CITY COUNCIL MEETING & PUBLIC HEARING
DECEMBER 12, 2022

ALPHARETTA CITY HALL
COUNCIL CHAMBERS
2 PARK PLAZA
6:30 PM

I. CALL TO ORDER

II. ROLL CALL

III. PLEDGE TO THE FLAG

IV. PRESENTATIONS & PROCLAMATIONS

A. Proclamation: Fulton County Commissioner Liz Hausmann

B. The Bees Needs Fundraiser: Donor Appreciation

V. CONSENT AGENDA

A. Special Called Council Meeting Minutes (Meeting of 11/9/2022)
Approval of the City Council meeting minutes from the November 9, 2022 Special Called meeting.

B. Council Meeting Minutes (Meeting of 11/28/2022)
Approval of the City Council meeting minutes from the November 28, 2022 meeting.

C. Alcoholic Beverage License Applications
Approval of the following alcoholic beverage license application:

1. PH-22-AB-36 First Watch Restaurants, Inc.
d/b/a First Watch #10015035 Windward Parkway, Alpharetta, GA 30004

Restaurant
Consumption on Premises
Liquor, Beer, Wine & Sunday Sales
Owner: First Watch Restaurants, Inc.
Registered Agent: Todd C. Smith

D. Financial Management Report (Month Ending October 31, 2022)
Approval of the Financial Management Report for the month ending October 31, 2022.

E. Intergovernmental Agreement: Fulton County Animal Control Services
Approval of the First Extension of the Intergovernmental Agreement for the provision of animal control services between Fulton County, Georgia and Alpharetta, Georgia.

F. Contract Award: Professional Probation Services, Inc. for Probation Supervision and Rehabilitation Services
Approval of the Contract for probation supervision and rehabilitation services between the City of Alpharetta and Professional Probation Services, Inc.

G. **Cities of Alpharetta & Johns Creek Parks Without Borders Memorandum of Understanding**
Consideration of a Memorandum of Understanding between the City of Alpharetta and the City of Johns Creek to allow residents and employees to access each city's softball, baseball, lacrosse, and soccer programs and facilities at the respective city's resident rate and to authorize the Mayor to execute all necessary documents.

H. City of Alpharetta - Northside Hospital, Inc. Memorandum of Understanding
Consideration of the Memorandum of Understanding between the City of Alpharetta and Northside Hospital, Inc. to renew the partnered sponsorship program focusing on the health and wellness aspects of the city's parks and programs and to authorize the mayor to execute all related documents.

I. City of Alpharetta Youth Athletic Association Facility Use Agreements: 2023 Renewal
Approval of the 2023 facility use agreements between the City of Alpharetta and the Alpharetta Youth Baseball Association, the Alpharetta Girls Youth Softball Association, Inc., the Alpharetta Ambush Soccer Club, Inc., and the North Atlanta Football League respectively, and to authorize the mayor to execute all necessary documents.

VI. PUBLIC HEARING

A. **Z-22-14 / CU-22-08 / V-22-27 / North Fulton Pharmacy / 2385 Old Milton Parkway**
Consideration of a rezoning, conditional use and variances to allow for the construction of an 8,000 SF office over retail building and 8 'For-Sale' townhomes on 1.31 acres in the Downtown. A rezoning is requested from R-12 (Dwelling, 'For-Sale', Residential) to DT-LW (Downtown Live-Work) and a conditional use is requested to allow a 'Drug Store (Pharmacy)' and 'Restaurant' to allow a coffee shop. A variance is requested to allow front loaded townhome units. The property is located at 2385 Old Milton Parkway and is legally described as being located in Land Lot 748, 1st District, 2nd Section, Fulton County, Georgia.

B. CU-22-11 Jean-Claude Salon / 312 Maxwell Road, Suite 500
Consideration of a conditional use to allow a 'Barber/Beauty Shop' for Jean-Claude Salon in a 1,100 square foot suite in the Colony Park Offices on South Main. The property is located at 312 Maxwell Road, Suite 500 and is legally described as being located in Land Lot 693, 1st District, 2nd Section, Fulton County, Georgia.

C. **CU-22-10 / Foamworks Alpharetta / 11725 Cotton Creek Entry**
DEFERRED: This item has been deferred by the applicant and will not be heard, discussed, or considered during the December 12, 2022 City Council Meeting & Public Hearing. The new City Council meeting date has not yet been determined.
Consideration of a conditional use to allow a 'Car Wash' for Foamworks on a property previously developed and used for a car wash. The property is located at 11725 Cotton Creek Entry and is legally described as being located in Land Lot 44, 1st District, 1st Section, Fulton County, Georgia.

D. PH-22-15 Unified Development Code (UDC) Text Amendments – Tree Conservation, Landscape, and Buffer Requirements
Consideration of text amendments to the Unified Development Code related to tree preservation in the Downtown Overlay. Regulations are proposed requiring that specimen trees and trees of quality be conserved if they are located within building setbacks along certain roads, including Academy Street, Canton Street, Church Street, Cumming Street, Marietta Street, Mayfield Road, Milton Avenue, and Roswell Street.

VII. NEW BUSINESS

A. Contract Award and Intergovernmental Agreement: Webb Bridge Road: East of North Point Parkway to Greenway Construction
Consideration of the award of ITB 23-003 to Georgia Bridge & Concrete, LLC for the construction of Webb Bridge Road from East of North Point Parkway to the Big Creek Greenway in an amount not to exceed $9,557,603.40, approval of $270,800.00 for the bridge construction ecological permit from the US Army Corps of Engineers, approval of $333,925.00 and the Intergovernmental Government Agreement with Fulton County associated with Waterline Work, and approval of Atkins North America, Inc.'s proposal for the bridge construction and stream bank restoration management and inspections services in an amount not to exceed of $255,729.10, and to authorize the Mayor to execute all necessary documents.

B. Contract Award: Webb Bridge Road Maid Marion Close to Webb Bridge Park Construction
Approval of the award of ITB 23-002 to Sol Construction, LLC for the construction of Webb Bridge Road from Maid Marion Close to Webb Bridge Park in an amount not to exceed $3,994,545.00 and to authorize the Mayor to execute all necessary documents.

C. Grant Acceptance: Environmental Protection Division Grant for Wills Park Stream Reforestation
Consideration of the use of grant funds authorized under section 319(h) of the Federal Water

Pollution Control Act administered through the Georgia Environmental Protection Division up to $200,000.00 toward buffer enhancement and native plantings along the tributary to Foe Killer Creek within Wills Park, and to authorize the Mayor to execute all necessary documents.

D. Waters Road & Kimball Bridge Road Community Park Design/Build Construction Award
Approval to award a contract with Prime Contractors, Inc. under the State of Georgia convenience contract (#99999-S20200901) for design and construction of the community park at the intersection of Kimball Bridge Road and Waters Road in an amount totaling $1,232,233.34 through Gordian and to authorize the Mayor to execute all necessary documents.

E. Contract Award: AT&T Network Integration Change Order Request for AT&T Network Integration Pricing Schedule dated 6/27/2017
Consideration of a contract award to AT&T to provide for telephony management, monitoring, and service for the City of Alpharetta in the amount of $60,256.20 and authorize the Mayor to execute all necessary documents.

F. Memorandum of Understanding Renewal: City of Alpharetta & BrewAble
Approval of the 2023 Memorandum of Understanding between the City of Alpharetta and Brewable, Inc., and to authorize the Mayor to execute all necessary documents.

G. **Resolution: City of Alpharetta Community Agriculture Plan**
Adoption of a resolution to approve the City of Alpharetta Community Agriculture Plan and authorize the Mayor to execute all necessary documents.

VIII. PUBLIC COMMENT

IX. REPORTS

X. EXECUTIVE SESSION

XI. ADJOURNMENT

STAFF REPORT

Submitting Department: Recreation, Parks & Cultural Services
Submitted By: Amanda Musilli
Sponsored By: None.
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: THE BEES NEEDS FUNDRAISER: DONOR APPRECIATION

II. RECOMMENDATION:

This report is for formal acknowledgement and recognition of the project donors during a City Council Meeting only. No vote or formal action is requested at this time.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO
FISCAL IMPACT: NO
INCLUDED IN CURRENT FY CPTL BUDGET: NO
INCLUDED IN CURRENT FY OPRT. BUDGET: NO
TOTAL PROJECT COST: NONE.
APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

BACKGROUND:
The Alpharetta Community Agriculture Program is working alongside Innovation Academy STEM High School on a honeybee foraging and pollen identification project. Using radio frequency identification, a.k.a. RFID technology, attached to a single hive, and micro tags attached to numerous honeybee workers, the students collect data on the following:

- Tracking bees and their time spent inside the hive and outside foraging during different seasons.
- Pollen samples taken from bees returning to the hive to study types of plants they visit seasonally using DNA bioinformatics.
- Identifying potential pathogens and bacteria the bees bring to the hive that could cause disease or death to the colony.

Studying honeybee movement and behavior can help provide answers to important ecological questions that impact the diversity, health, and persistence of species and ecosystems. Recognizing the value of such studies, Innovation Academy STEM High School wished to implement such a study at Old Rucker Farm. The results of the study would benefit the students with their curriculum as well as support the local community in identifying and cultivating plant species for landscaping that would be more appealing and beneficial to honeybees, reducing their foraging time and distance, and aiding in their success and survival.

THE INITIATIVE:
Two RFID systems, each at a cost of $3,200, would be required to facilitate the study. The first system was installed at Old Rucker Farm and was funded through the annual operating budget for the City's Community Agriculture Program. The second system would be installed at Innovation Academy STEM High School. Unable to fund the second system, Innovation Academy STEM High School implemented a fundraising initiative to help offset the cost of the equipment. The Community Agriculture division of the Recreation, Parks & Cultural Services Department, agreed to host the fundraiser via the Alpharetta Community Agriculture Program Square site to help increase the project's visibility and hopefully lead to successful fundraising. 100% of the funds raised through the community-funded grant would be used to purchase and install the RFID system at Innovation Academy STEM High School.

RECOGNITION:
Through the generous donations of the public, $1,125 was raised to help in the purchase of second the RFID system. The Recreation, Parks & Cultural Services staff wish to formally recognize the individuals who helped donate to the project and minimize the out-of-pocket expense for Innovation Academy STEM High School.

V. ALTERNATIVES:

None.

VI. ATTACHMENTS:

The Bees Needs Campaign & Bee Tracking Photos

THE BEES NEEDS

A COMMUNITY FUNDED GRANT PROJECT

FUNDRAISING GOAL: **$3,200**

The Alpharetta Community Agriculture Program is seeking your help providing a grant to Innovation Academy STEM High School for a honeybee foraging and pollen identification project.

This project will use RFID technology to observe and track honeybees.

What will we learn?

- Where are bees foraging for pollen and nectar?
- How long are they away from the hive?
- What kinds of chemicals and microorganisms are they bringing in to the hive?
- What should we plant to further support honey bees?



THE CITY OF ALPHARETTA
RECREATION PARKS & CULTURAL SERVICES

FULTON COUNTY SCHOOLS
INNOVATION ACADEMY

THE BEES NEEDS

FULTON COUNTY SCHOOLS
INNOVATION ACADEMY

A COMMUNITY FUNDED GRANT PROJECT

FUNDRAISING GOAL: **$3,200**

WITH A DONATION OF $100 OR MORE, RECEIVE:

A certificate of bee adoption

Regular updates on your bee, including their:

- Travel distance
- Pollen specifics
- Disease and bacteria

Recognition on social media

E-mail updates on the project

WITH A DONATION OF $50 OR MORE, RECEIVE:

(1) 6 oz. jar of Old Rucker Farm fresh honey

E-mail updates on the project

YOU CHOOSE THE AMOUNT, AND RECEIVE:

E-mail updates on the project



THE CITY OF ALPHARETTA
RECREATION PARKS & CULTURAL SERVICES

Text for communication and social:

Whats' all the BUZZ?? Click here to help fund this project: xxxxxxxxx

We are asking the community to help fund a Community Funded Grant: The Bees Needs.

What is the Bees Needs Project? The Alpharetta Community Agriculture Program is working along side Innovation Academy STEM High School on a honeybee foraging and pollen identification project.

Using radio frequency identification, aka RFID technology attached to a single hive, and micro tags attached to numerous honeybee workers, the students will collect data on the following:

- Tracking bees and their time spent inside the hive and outside foraging during different seasons.
- Pollen samples will be taken from bees returning to the hive to study types of plants they visit seasonally using DNA bioinformatics.
- Identifying potential pathogens and bacteria the bees bring to the hive that could cause disease or death to the colony.

Why is this Important? Studying honeybee movement and behavior can help provide answers to important ecological questions that impact the diversity, health and persistence of species and ecosystems.

Cost? The RFID system cost is $3,200.
100% of the funds raised for this project will go to funding and installing this system at Innovation Academy STEM High School.

Want to learn more about this process? Watch this short video about RFID technology on bumblebees.

Click here to watch: https://www.youtube.com/watch?v=Bn33l_0GJ94&feature=youtu.be

THE BEES NEEDS

A COMMUNITY FUNDED GRANT PROJECT

FUNDRAISING GOAL: **$3,200**

ADOPT A BEE



WITH A DONATION OF $100 OR MORE, RECEIVE:

Certificate of bee adoption

Regular updates on your bee, including their:

- Travel distance
- Pollen specifics
- Disease and bacteria

Recognition on Social Media

E-mail updates on the project

THE CITY OF ALPHARETTA
RECREATION PARKS & CULTURAL SERVICES

INNOVATION ACADEMY

*EACH BEE IS INDIVIDUALLY TAGGED, NUMBERED, TRACKED AND REPORTED.

THE BEES NEEDS

THE CITY OF ALPHARETTA
RECREATION PARKS & CULTURAL SERVICES

INNOVATION ACADEMY



RFID SYSTEM



HONEY BEE WITH TAG



TAGGING BEES








American
National Can



STAFF REPORT

Submitting Department: City Clerk
Submitted By: Lauren Shapiro
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: SPECIAL CALLED COUNCIL MEETING MINUTES (MEETING OF 11/9/2022)
APPROVAL OF THE CITY COUNCIL MEETING MINUTES FROM THE November 9, 2022 SPECIAL CALLED MEETING.

II. RECOMMENDATION:

Approve the Special Called City Council Meeting minutes from the meeting of November 9, 2022.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO
FISCAL IMPACT: NO
INCLUDED IN CURRENT FY CPTL BUDGET: NO
INCLUDED IN CURRENT FY OPRT. BUDGET: NO
TOTAL PROJECT COST:
APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

City Clerk, Lauren Shapiro, attended, recorded, and prepared a synopsis of the pertinent information that occurred during the Special Called City Council meeting on November 9, 2022 at 12:00 p.m.

V. ALTERNATIVES:

Do not approve the Special Called City Council meeting minutes from November 9, 2022 at 12:00 p.m. as part of the Consent Agenda.

VI. ATTACHMENTS:

CC Minutes 11.9.2022

City Council Meeting & Public Hearing
SPECIAL CALLED - NOVEMBER 9, 2022
UNOFFICIAL MINUTES
Office of the City Clerk

ALPHARETTA CITY HALL
COUNCIL CHAMBERS | 2 PARK PLAZA | 12:00 PM

This summary is provided as a convenience and service to the public, media, and staff. It is not the intent to record proceedings verbatim. Any reproduction of this summary must include this notice. This is not an official record of the Alpharetta City Council Meeting proceedings. City Council Meetings are recorded and available for review at https://www.youtube.com/user/alpharettagov.

I. CALL TO ORDER

- Mayor Gilvin called the meeting to order at 12:00 p.m.

II. ROLL CALL

- Council Members
  - Mayor Jim Gilvin
  - Mayor Pro Tem Dan Merkel
  - Douglas J. DeRito
  - Brian Will
  - John Hipes
  - Jason Binder
- Council Member Absent
  - Donald F. Mitchell
- Staff
  - Chris Lagerbloom, City Administrator
  - Molly Esswein, City Attorney with Jarrard & Davis
  - James Drinkard, Asst. City Administrator
  - Lauren Shapiro, City Clerk
  - Kathi Cook, Director of Community an Economic Development
  - Tom Harris, Director of Finance

III. PLEDGE TO THE FLAG

IV. NEW BUSINESS

Mayor Gilvin announced that this Special Called City Council meeting was called out of necessity for Council to consider the Resolution for Distribution of LOST Proceeds, as the next City Council is almost three (3) weeks away and this is something that we did not want to delay.

A. Resolution Distribution of Local Option Sales Tax (LOST) Proceeds

Adoption of a Resolution of the City of Alpharetta, Georgia to approve a distribution of Local Option Sales Tax (LOST) proceeds, authorize the Mayor and/or Council to execute a Certificate of Distribution for submission to the Commissioner of the Department of Revenue, to preserve rights, and for other purposes.

- City Attorney, Molly Esswein, read the resolution title aloud.
- City Attorney, Molly Esswein, came forward to present this item.
- This distribution was agreed to by all cities in Fulton County and Fulton County; the attachment depicted as "Exhibit A" shows the distribution for all municipalities over the next ten (10) years.

Public Comment:

- There were no public comments.

❖ Mayor Pro Tem offered a motion to approve a Resolution of the City of Alpharetta, Georgia to approve a distribution of Local Option Sales Tax (LOST) proceeds.

- Council Member DeRito seconded the motion.
- The motion was approved unanimously (6-0).

V. PUBLIC COMMENT

- There were no public comments.

VI. REPORTS

- There were no public comments.

VII. EXECUTIVE SESSION

❖ Council Member DeRito offered a motion to recess to Executive Session.

- Mayor Pro Tem Merkel seconded the motion.
- The motion was approved unanimously (6-0).

- Mayor Gilvin recessed the meeting at 12:10 p.m.
- Council Member Binder left the meeting prior to the meeting reconvening.

❖ Council Member Will offered a motion to reconvene the meeting.

- Mayor Pro Tem Merkel seconded the motion.
- The motion was approved unanimously (5-0; as Council Member Binder left the meeting).

- Mayor Gilvin reconvened the meeting at 1:09 p.m.

VIII. ADJOURNMENT

- ❖ Council Member Hipes offered a motion to adjourn.
  - Council Member DeRito seconded the motion.
  - The motion was approved unanimously (5-0; as Council Member Binder left the meeting).

- With there being no further items to consider or discuss, Mayor Gilvin adjourned the meeting at 1:09 p.m.

Respectfully submitted,



Lauren Shapiro, City Clerk

Exhibit "A"

MUNICIPAL LOST SHARES BASED ON HOLD-HARMLESS TO 2021 BASE YEAR AND POPULATION DISTRIBUTION

Final Computed Certificate Percentages:	2022 (Current)	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Ten Year Average
Fulton County	4.9794%	5.0000%	6.0000%	7.1500%	8.7500%	10.2500%	11.0000%	12.0000%	12.5000%	12.5000%	12.5000%	9.9845%
ALPHARETTA	5.8367%	5.8164%	5.7788%	5.7177%	5.6232%	5.5351%	5.4943%	5.4342%	5.4034%	5.4034%	5.4034%	5.5485%
ATLANTA	40.4358%	40.5358%	40.2737%	39.8476%	39.1895%	38.5750%	38.2907%	37.8723%	37.6573%	37.6573%	37.6573%	38.6687%
CHATTAHOOCHEE HILLS	0.2672%	0.2605%	0.2588%	0.2561%	0.2519%	0.2479%	0.2461%	0.2434%	0.2420%	0.2420%	0.2420%	0.2485%
COLLEGE PARK	1.3079%	1.2306%	1.1947%	1.1599%	1.1261%	1.0933%	1.0816%	1.0698%	1.0637%	1.0637%	1.0637%	1.1103%
EAST POINT	3.9590%	3.7326%	3.6238%	3.5183%	3.4158%	3.3163%	3.2197%	3.1670%	3.1490%	3.1490%	3.1490%	3.3276%
FAIRBURN	1.4829%	1.4566%	1.4472%	1.4319%	1.4082%	1.3862%	1.3759%	1.3609%	1.3532%	1.3532%	1.3532%	1.3895%
HAPEVILLE	0.6856%	0.6467%	0.6278%	0.6095%	0.5918%	0.5746%	0.5578%	0.5416%	0.5380%	0.5380%	0.5380%	0.5732%
JOHNS CREEK	7.7815%	7.3493%	7.2394%	7.1628%	7.0445%	6.9340%	6.8829%	6.8077%	6.7691%	6.7691%	6.7691%	6.9564%
MILTON	3.3124%	3.6494%	3.6258%	3.5875%	3.5282%	3.4729%	3.4473%	3.4096%	3.3903%	3.3903%	3.3903%	3.4813%
MOUNTAIN PARK	0.0550%	0.0518%	0.0504%	0.0496%	0.0488%	0.0480%	0.0477%	0.0472%	0.0469%	0.0469%	0.0469%	0.0483%
PALMETTO	0.4247%	0.4019%	0.3959%	0.3917%	0.3853%	0.3792%	0.3764%	0.3723%	0.3702%	0.3702%	0.3702%	0.3805%
ROSWELL	8.9598%	8.4519%	8.2057%	8.0645%	7.9314%	7.8070%	7.7494%	7.6648%	7.6213%	7.6213%	7.6213%	7.8525%
SANDY SPRINGS	9.5183%	9.5512%	9.4894%	9.3890%	9.2340%	9.0892%	9.0221%	8.9236%	8.8729%	8.8729%	8.8729%	9.1113%
SOUTH FULTON	9.0206%	9.4943%	9.4329%	9.3331%	9.1790%	9.0350%	8.9684%	8.8704%	8.8201%	8.8201%	8.8201%	9.0570%
UNION CITY	1.9732%	2.3710%	2.3557%	2.3308%	2.2923%	2.2563%	2.2397%	2.2152%	2.2026%	2.2026%	2.2026%	2.2618%
Total Municipal Share		95.0000%	94.0000%	92.8500%	91.2500%	89.7500%	89.0000%	88.0000%	87.5000%	87.5000%	87.5000%	90.0155%
Total Certificate		100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%

STAFF REPORT

Submitting Department: City Clerk
Submitted By: Lauren Shapiro
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: COUNCIL MEETING MINUTES (MEETING OF 11/28/2022)
APPROVAL OF THE CITY COUNCIL MEETING MINUTES FROM THE November 28, 2022 MEETING.

II. RECOMMENDATION:

Approve the City Council Meeting minutes from the meeting of November 28, 2022.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO
FISCAL IMPACT: NO
INCLUDED IN CURRENT FY CPTL BUDGET: NO
INCLUDED IN CURRENT FY OPRT. BUDGET: NO
TOTAL PROJECT COST:
APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

City Clerk, Lauren Shapiro, attended, recorded, and prepared a synopsis of the pertinent information that occurred during the City Council meeting on November 28, 2022 at 6:30 p.m.

V. ALTERNATIVES:

Do not approve the City Council meeting minutes from November 28, 2022 as part of the Consent Agenda.

VI. ATTACHMENTS:

CC Minutes 11.28.2022

City Council Meeting & Public Hearing
NOVEMBER 28, 2022
UNOFFICIAL MINUTES
Office of the City Clerk

ALPHARETTA CITY HALL
COUNCIL CHAMBERS | 2 PARK PLAZA | 6:30 PM

This summary is provided as a convenience and service to the public, media, and staff. It is not the intent to record proceedings verbatim. Any reproduction of this summary must include this notice. This is not an official record of the Alpharetta City Council Meeting proceedings. City Council Meetings are recorded and available for review at https://www.youtube.com/user/alpharettagov.

I. CALL TO ORDER

- Mayor Gilvin called the meeting to order at 6:30 p.m.
- Mayor Gilvin announced that the application for CU-22-10 / Foamworks Alpharetta / 11725 Cotton Creek Entry has been deferred by the applicant. This item will be heard during the December 12, 2022 City Council Meeting & Public Hearing.

II. ROLL CALL

- **Council Members**
  - Mayor Jim Gilvin
  - Mayor Pro Tem Dan Merkel
  - Donald F. Mitchell
  - Douglas J. DeRito
  - Brian Will
  - John Hipes
  - Jason Binder
- **Staff**
  - Chris Lagerbloom, City Administrator
  - Molly Esswein, City Attorney with Jarrard & Davis
  - James Drinkard, Asst. City Administrator
  - Lauren Shapiro, City Clerk
  - John Robison, Director of Public Safety
  - Kathi Cook, Director of Community an Economic Development
  - Pete Sewczwicz, Director of Public Works
  - Tom Harris, Director of Finance

III. PLEDGE TO THE FLAG

IV. PRESENTATIONS & PROCLAMATIONS

A. Girl Scout Troop 21675 – First Aid Badge Ceremony

- Mayor Gilvin presented members of Girl Scout Troop 21675 with their First Aid Badge.

B. Machell Stone, 911 Communications Officer, 25 Year Service Award

- Mayor Gilvin, Chief John Robison, and City Administrator, Chris Lagerbloom, presented Machell Stone with a 25 Year Service Award.

V. CONSENT AGENDA

A. Council Meeting Minutes (Meeting of 11/7/2022)

B. Alcoholic Beverage License Applications

Approval of the following alcoholic beverage license applications:

1. PH-22-AB-33 R & A Hospitality Group, LLC
d/b/a Coalition Food and Beverage
50 Canton Street Suite 108, Alpharetta, GA 30009

Restaurant
Consumption on Premises
Liquor, Beer, Wine & Sunday Sales
Owner: R & A Hospitality Group, LLC
Registered Agent: Andrea Burch

2. PH-22-AB-34 Shrisha Foods, LLC
d/b/a MH-15
3630 Old Milton Parkway Unit 120, Alpharetta, GA 30005

Restaurant
Consumption on Premises
Beer, Wine & Sunday Sales
Owner: Shrisha Foods, LLC
Registered Agent: Pratik Kasralikar

3. PH-22-AB-35 Thai Candle, LLC
d/b/a District III
7140 Avalon Boulevard Alpharetta, GA 30009

Restaurant
Consumption on Premises
Liquor, Beer, Wine & Sunday Sales
Owner: Thai Candle, LLC
Registered Agent: Billy Lewis

C. Financial Management Report: Month Ending September 30, 2022

Approval of the City of Alpharetta's Financial Management Report for the month ending September 30, 2022.

D. Contract Award: Pyro Shows East Coast, Inc. for July 4, 2023 Firework Pyrotechnics

Consideration of the contract award to Pyro Shows East Coast, Inc. for firework pyrotechnics for the July 4, 2023 event and authorize the Mayor to execute all necessary documents.

E. Cities of Alpharetta & Johns Creek Parks Without Boarders Memorandum of Understanding

Consideration of a Memorandum of Understanding between the City of Alpharetta and the City of Johns Creek to allow residents and employees access to each city's softball, baseball, lacrosse, and soccer programs and facilities at the respective city's resident rate and to authorize the Mayor to execute all necessary documents.

F. Private Development Agreement: Chelsea Walk Subdivision

Approval of a private development agreement for the Chelsea Walk Subdivision between the City of Alpharetta and JBGL Development, LLC.

G. Georgia Power: Governmental Encroachment Agreement for Easement

Approval of Governmental Encroachment Agreement for Easement between Georgia Power Company and the City of Alpharetta for subject property Alpharetta-Northwinds 230 KV Transmission Line right-of-way and to authorize the Mayor to execute all necessary documents.

- Mayor Gilvin requested that the Cities of Alpharetta & Johns Creek Parks Without Boarders Memorandum of Understanding be removed from the Consent Agenda and be added to the agenda for the December 12, 2022 City Council meeting.
- Council Member Binder requested that the Financial Management Report: Month Ending September 30, 2022 be removed from the Consent Agenda and considered as a New Business item.
    - ❖ Council Member Hipes offered a motion to approve the Consent Agenda.
        - Council Member Mitchell seconded the motion.
        - The motion was approved unanimously (7-0).

VI. NEW BUSINESS

A. Financial Management Report: Month Ending September 30, 2022

Approval of the City of Alpharetta's Financial Management Report for the month ending September 30, 2022.

- Director of Finance, Tom Harris, came forward to present this item and discussed the numbers provided in the Fiscal Year 2022 Financial Review and September 2022 Financial Management Report.
- A copy of the Fiscal Year 2022 Financial Review and September 2022 Financial Management Report is attached hereto as "Exhibit A."

- ❖ Council Member Binder offered a motion to approve the Financial Management Report for Month Ending September 30, 2022.
  - Council Member Mitchell seconded the motion.
  - The motion was approved unanimously (7-0).

VII. PUBLIC HEARING

A. CU-22-10 / Foamworks Alpharetta / 11725 Cotton Creek Entry

Consideration of a conditional use to allow a 'Car Wash' for Foamworks on a property previously developed and used for a car wash. The property is located at 11725 Cotton Creek Entry and is legally described as being located in Land Lot 44, 1st District, 1st Section, Fulton County, Georgia.

- Mayor Gilvin announced that the application for CU-22-10 / Foamworks Alpharetta / 11725 Cotton Creek Entry has been deferred by the applicant. This item will be heard during the December 12, 2022 City Council Meeting & Public Hearing.

B. PH-22-12 / Brookside Small Area Plan

Consideration of a resolution to adopt the Brookside Small Area Plan.

- Director of Community and Economic Development, Kathi Cook, came forward to present this item.
- The Brookside Small Area Plan was prepared in response to community feedback identifying the area as a priority redevelopment opportunity in conjunction with the Horizon 2040 Comprehensive Plan. This study area includes a 30-acre park.
- The area, consisting of a mix of office, institutional and commercial uses, has one of the highest office vacancies rates in the City. Staff and the planning services consultant, Kimley-Horn & Associates, developed the plan with input from a variety of commercial brokers, office tenants, Georgia State University, and adjacent Homeowner's Associations (Glen Abbey, Pennbrooke, and Park Brooke).
- The plan includes a review of existing conditions, development regulation recommendations, concepts and themes, development framework and an action plan. It is recommended that the plan be adopted and incorporated into the Horizon 2040 Comprehensive Plan, which will provide opportunities to seek grant funding for public improvements.
- Next steps may include an overlay for the area incorporating development regulations that promote connectivity, walkability, and retrofitting the area with amenities.
- Cost estimates are included in the Brookside Small Area Plan; however, costs have likely increased since the estimates were completed earlier this year.
- City Attorney, Molly Esswein, read the resolution title aloud.

City Council Discussion:

- Council Member Hipes asked about participation from Georgia State University, the North Point Church Bridge, and commented that it is a bargain to have a 30-acre park in this area that not too many people know of, yet.

Public Comment:

- There were no public comments.

❖ Mayor Pro Tem Merkel offered a motion to approve PH-22-12 / Brookside Small Area Plan.

  - Council Member DeRito seconded the motion.
  - The motion was approved unanimously (7-0).

C. Ordinance to Amend the Charter of the City of Alpharetta, Georgia

Second Reading

Public Hearing #1 and First Reading occurred during the November 7, 2022 City Council Meeting and Public Hearing.

Approval of an Ordinance to amend the Alpharetta City Charter; to clarify and amend provisions regarding the acquisition, disposal, and leasing of municipal property; to revise provisions pertaining to contracting; to provide for an effective date; to repeal conflicting ordinances; and for other purposes.

- City Attorney, Molly Esswein, read the resolution title aloud.
- City Attorney, Molly Esswein, came forward to present this item.
- If approved, this Ordinance will amend the following sections of the Alpharetta Charter:
  - Section 1.13(6) Municipal property ownership and control;
  - Section 6.28 Contracting procedures; and
  - Section 6.30 Sale and lease of property; contracts for use, operation, or management.

Public Comment:

- There were no public comments.

❖ Council Member DeRito offered a motion to approve Ordinance to Amend the Charter of the City of Alpharetta, Georgia; to clarify and amend provisions regarding the acquisition, disposal, and leasing of municipal property; to revise provisions pertaining to contracting; to provide for an effective date; to repeal conflicting ordinances; and for other purposes.

  - Mayor Pro Tem Merkel seconded the motion.
  - The motion was approved unanimously (7-0).

VIII. WORKSHOP ITEMS

The following items were for discussion purposes only. No formal action was taken or requested of Mayor and City Council.

A. City of Alpharetta Community Agriculture Plan

Review and discussion of the final draft of the City of Alpharetta's Community Agriculture Plan. This item, pending discussion, is set to seek approval at the December 5, 2022 Council Meeting.

- Director of Recreation, Parks, and Cultural Services, Morgan Rodgers, came forward to present this item.
- Kate Connor (Executive Director at Food Well Alliance), Sarah Brown (Policy and Planning Manager at Food Well Alliance), Keri Stevens (Atlanta Regional Commission) came forward to speak on behalf of this item.
- In 2018, FWA launched the City Agriculture Plan program to address major findings of Metro Atlanta's Local Food Baseline Report. In 2019, FWA and the Atlanta Regional Commission (ARC) partnered to develop the region's first plan for the City of East Point, Georgia. The plan was finalized in 2021 and the two organizations began the search for a second city.
- The City of Alpharetta also came to realize the value of urban agriculture through the continued, successful development of Old Rucker Farm. With the expansion in offerings and explosion of interest in the community farm, the City applied to be considered for the region's second City Agriculture Plan and was ultimately selected from the competing cities in Food Well Alliance's five-county service area.
- The Memorandum of Understanding approved by City Council on January 18, 2022 and entered into by the City of Alpharetta in support of the City Agriculture Plan includes acceptance of a $75,000 monetary grant from the Food Well Alliance with required matching fiscal support match from the City of Alpharetta in the amount of $75,000. The grant and match would result in $150,000 being applied towards implementation of the plan.
- At this time, City staff, FWA, and ARC wish to present the final draft of Alpharetta's City Agriculture Plan to the Mayor and City Council for review and discussion. Upon the Mayor and Council's review, staff will recommend approval and adoption of the plan at the December 5, 2022, Council Meeting.

Public Comment:

- James Graeme (1043 Southerby Lane, Alpharetta, GA 30004) came forward to speak about the importance of agriculture and the positive impact that this program has had on his life.

B. Ethics Ordinance Amendments

Discussion of proposed Text Amendments to Chapter 2, Article V Code of Ethics and Conduct of the Alpharetta City Code.

- City Administrator, Chris Lagerbloom, and City Attorney, Molly Esswein, came forward to present this item.
- City Attorney Esswein reviewed an Ethics Ordinance presentation which is attached hereto as "Exhibit B."

City Council Discussion:

- Council Member Will shared that he believed that it may be difficult to find 9-15 attorneys that meet the proposed qualifications. He also asked if the City's municipal judge could lead the Board of Ethics and asked if there was any interest in eliminating the Board of Ethics.
    - City Attorney Esswein shared that the City of Milton's Ethics Ordinance prescribes nearly the same board member qualifications and requires 9-15 attorneys.
    - City Administrator Lagerbloom shared that the composition of the Board is of vital importance because of the intricacies of the hearing process.
    - City Attorney Esswein shared that if we were to eliminate the ethics ordinance, then we would have to come up with alternative procedures; she will report back to Council on this.
- Council Member Hipes shared that he liked the idea of having attorneys decide ethics ordinance complaints. He also proposed the idea of having a 3-person panel instead of 5-person panel (similar to the Court of Appeals). He shared that he believed the 6-month statute of limitations from the date of alleged ethics violation seemed appropriate. Additionally, he asked about the point of time when an ethics complaint becomes a public record. He mentioned that he does not want City Council to be charged with the responsibility of issuing subpoenas. In terms of the timeline for an ethics complaint, he would like to defer to the City Clerk on the response and review time of complaints, and he would like to consider extending the complainant's corrective action timeline to 10 days instead of the proposed 5 days. Additionally, he does not believe that the city's judge would be able to serve on the ethics panel, but suggested approaching a judge in a neighboring jurisdiction.
    - City Attorney Esswein shared that there is language from the Open Meetings Law that could address the "discovery rule" issue (of when the complainant knew or should have known about the violation). She also shared that an ethics complaint becomes a public record, subject to the open records act, at the time the ethics complaint is filed.

- Council Member DeRito shared that a charge of an ethics complaint could destroy an individual, and he shared a bit of his personal experience in dealing with an alleged ethics violation. Additionally, he asked if there are state ethics laws that would be sufficient for the City.
- Mayor Pro Tem Merkel shared that he did not believe getting rid of the ethics ordinance is an option, but also did not feel like there was enough expertise on the most recent ethics panel. Additionally, he shared that proposed ordinance amendment is much better than the current ordinance. He would like to see Council Member Hipes' suggestions added in and tweak the proposed ordinance in a way that would work best for the City.
- Council Member Binder shared that in terms of qualifications, he is fine with the panel being composed of residents or non-residents. He shared that he saw an example where the City Judge was the only member on the panel (and suggested having the Alpharetta Judge serve as the Chair of the panel). He recommended for City Attorney Esswein to come back with other examples how the ethics board could be composed (not all attorneys). He liked the proposed board qualifications and recommended that one of the qualifications be expanded to say that "he/she has no business with the city, city officials, and/or employees." In terms of the tolling period, he asked City Attorney Esswein to review and consider in situations where the charged individual is not re-elected, does the ethics complaint still move forward or is it dismissed.
    - City Attorney Esswein provided an example in another jurisdiction where based on knowledge from the City Council, the Board of Ethics received findings from an outside investigation, and the Board of Ethics authorized the Chairman of the Board to bring forward an ethics complaint. Further, she mentioned that she will look into subpoena powers.
- Council Member Mitchell shared that volunteers serve on our boards; he would like to strike the portion in the proposed qualifications that requires the board members to be an attorney in good standing and have five years of experience. He also suggested creating a manual or booklet on how to instruct the Board of Ethics, similar to instructing a jury. Further, he liked the idea of having the judge serve as de-facto Chairman.
- City Attorney Esswein shared that there is no requirement that you have to be represented by counsel. Further, the procedures that are provided in this version of the proposed ordinance are not an expansion of the powers of the board, but are written to provide clarity where the current ordinance is vague or where the current ordinance only implies acts and procedures
- Mayor Gilvin shared that he is comfortable with the proposed amendments. He shared that he would rather trust strangers that have a legal background to review ethics complaints, as opposed to a lay person with no formal instruction (similar to how a judge would instruct a jury). Additionally, he shared that there might be an

interest to have a process (council in majority) to remove someone from a board or commission, if necessary. Further, he mentioned having only the ethics ordinance apply to Council (not all board members), as they should be held to a higher standard.

- City Attorney Esswein shared that there are currently no evidentiary rules in the City's ethics ordinance, which is pretty common for ethics ordinances. Also, depending on the charter and enabling ordinances of the City's boards and commissions, appointees may have a property interest in their position and may not be able to be removed without cause (allowing for due process for the board member).

IX. PUBLIC COMMENT

- There were no public comments.

X. REPORTS

- Council Member Hipes shared that Friday, December 2nd at 6:30 p.m. is the lighting of the Evans Family Christmas Tree at the Season of Celebration event on the Town Green.
- Council Member Will shared that the week before Thanksgiving, 911 Communications Officer, Karen Walker, coached a caller on CPR and assisted with saving someone's life.
- Council Member Mitchell shared that his appointment to the Board of Zoning Appeals, Mike Fowler, will step down from the Board and thanked him for his service. Additionally, he would like to appoint Dereje (DJ) Teshale to the Board of Zoning Appeals.

XI. EXECUTIVE SESSION

- There was not an Executive Session.

XII. ADJOURNMENT

- ❖ Council Member Binder offered a motion to adjourn.
  - Council Member Mitchell seconded the motion.
  - The motion was approved unanimously (7-0).

- With there being no further items to consider or discuss, Mayor Gilvin adjourned the meeting at 9:00 p.m.

Respectfully submitted,

Lauren Shapiro

Lauren Shapiro, City Clerk

EXHIBIT A



Fiscal Year 2022 Financial Review and September 2022 Financial Management Report

FY 2022 Financial Review

General Fund

• Operations	Actual	Over/(Under) Budget
– Revenues	$81.1M	$ 9.7M
– Expenditures		
• Operations	(66.4M)	(3.3M)
Surplus from Operations	$14.7M	
• Appropriated Capital Transfer	(1.7M)	
• PY Fund Balance Capital Transfer	(5.8M)	
Net increase in Fund Balance	$ 7.2M	*

% of Budget Spend Statistics
Salaries/Benefits (95%)
Maint./Operations (99%)

- Fund Balance
  - Beginning Fund Balance $35.7M
  - Result from Operations 7.2M
  - Ending Fund Balance $42.9M

*FY 2022 Total Capacity to cover Capital = $14.7M

Deep Dive into Fund Balance

General Fund

- $42.9M Total Fund Balance @ 6/30/2022*
- (19.7M) Emergency Reserve**
- (12.6M) Capital Contribution in 2023*** (currently being spent)
- $10.5M Remaining Fund Balance

* *Represents 54% of Budgeted Revenue; same % as Median/Peer AAA cities; Projected to drop for FYE 2023.*

** *Represents Emergency Reserve target at 25% of Budgeted Operating Expenditures.*

*** *Current/Best Practice is to use remaining fund balance for capital/one-time investment in the next budget cycle.*

Annual Recurring Capital Needs

- Goal is to fund Recurring Capital from General Operations (between current year appropriation and prior year fund balance) and not unsustainable sources such as TSPLOST, bonds, impact fees, grants, etc.
- Annual Replacement ("Recurring") Needs: >$15M
  - $3.6M Milling & Resurfacing
  - $4.2M Stormwater
  - $2.2M Fleet
  - $5.0M Technology, Facilities, Recreation Fields/Courts/Turf and Playgrounds, Sidewalks, Non-PS Fleet/Equipment, Transportation Infrastructure, etc.
  - Figures above do not include new capital investment

Funding Annual Recurring Capital Needs

Sources	2022 Prior Year	2023 Current	2024 As-Is	2024 Goal
Annual Capital Appropriation	$1.7M	$3M	$3M	$5M to $7.5M
Fund Balance Carryforward (year)	$5.8M (2020)	$12.6M (2021)	$10.5M (2022)	$10.5M
Total:	**$7.5M**	**$15.6M**	**$13.5M**	**$15.5M to $18M**

To more appropriately meet Minimum Annual Recurring Capital Needs with annual appropriations, Finance recommends increasing Annual Capital Appropriation by at least $2M in the 2024 budget (from $3M to $5M), or more.

As noted in our 10-year CIP, the annual capital requests are greater than forecasted funding. Additional sources will be needed. Example – the FY 2024 Preliminary CIP requests exceed the funding goal above by $11 million.

Performance Dashboard

September 2022

GENERAL FUND DETAIL

Revenues	Performance Status	Forecasted Gain/Loss
Top-10		
Property Taxes (incl. Motor Vehicle taxes)	↑	$950,000
Local Option Sales Tax	↑	$2,325,000
Franchise Tax	↓	($350,000)
Insurance Premium Tax	↑	$593,627
Alcohol Beverage Excise Tax	↑	$200,000
Building Permit Fees	↑	$150,000
Business and Occupational Tax	↔	$0
Court/Traffic Fines	↑	$280,500
Recreation/Special Event Fees	↔	($100,338)
Hotel/Motel Tax (City portion)	↑	$618,750
Other Revenues	↔	($66,937)
Minimum Surplus Goal Needed to Fund Capital: *($15M Annual Capital Need less $3M allocated in the budget)*		**$12M**
Less: Projected Revenue Gain		**($4.6M)**
Less: Projected Expenditure Savings		**($3.5M)**
Favorable (Unfavorable) Net Surplus vs $15M Capital Need:		**($3.9M)**

$4.6M

Performance Dashboard

September 2022

FUND SYNOPSIS

	Revenue	Expenses	Non-Allocated
General Fund (1)	↑	↑	$772,892
Special Revenue Funds			
Confiscated Assets Fund (DEA)	↔	↔	$93,901
Confiscated Assets Fund (State)	↔	↔	$0
Emergency 911 Fund (1)	↔	↔	$96,224
Impact Fee Fund	↔	↔	$118,471
Hotel/Motel Fund (1)	↑	↑	$417,821
Debt Service Fund	↑	↑	$767,968
Proprietary Funds			
Solid Waste Fund (2)	↔	↔	$0
Risk Management Fund	↔	↔	$1,434,177
Medical Insurance Fund	↔	↔	($633,196)

Please Note: Current year revenue in excess of budgeted amounts may be available to augment Non-Allocated balances upon City Council approval (e.g., Impact Fee Fund collections).

1. *General Fund value represents Contingency balance. Hotel/Motel Fund value represents Debt Service Reserve (target is $1.5 million). Other Funds represents amounts in excess of the 25% fund balance target.*
2. *Solid Waste Fund operational trends will remain neutral despite the recent rate adjustment as it will take multiple years to replenish the fund balance target.*

Performance Dashboard

September 2022

FUND SYNOPSIS

	Non-Allocated
Grant Funds	
Operating Grant Fund (3)	$23,377
Capital Grant Fund (3)	($9,179)
Capital Project Funds	
Capital Project Fund (3)	$2,277,177
Stormwater Capital Fund	$72,863
Series 2016 Bond Fund (Parks)	$17,682
Series 2022 Bond Fund (Parks)	$62,055
TSPLOST I Capital Fund	$38,446
TSPLOST II Capital Fund	$0
American Rescue Plan Act Capital Fund	$0
Development Authority Fund	$64,551

BOND RATING

AAA

strongest rating available

EMERGENCY RESERVE

General Fund
$19.7M est. (25%)

Emergency 911 Fund
$1.25M est. (25%)

Sanitation Fund
$116K est. (2%)

rate adj. improving reserve

3. Does not include amounts, if any, currently set aside for matches on active grant applications.

EXHIBIT B

Ethics Ordinance Revisions

ALPHARETTA CITY COUNCIL

NOVEMBER 28, 2022

Existing Ordinance

- No requirements for when ethics complaints must be filed.
- Provides for appointment of fourteen (14) individuals, from which five (5) members are drawn to compose the Ethics Board.
- Drawing must occur during a Council meeting
- Requires the Ethics Board to determine the validity of the complaint within 30 days of filing. If not dismissed within 30 days, the Ethics Board must hold a hearing.
- At the ethics hearing, both the complaining party and charged official may present evidence and witnesses, and may cross-examine witnesses.
- The Ethics Board makes a finding regarding the complaint and may make a recommendation to the City Council regarding any adverse action to be taken.
- The City Council takes final action, which may include public reprimand/censure or a request for resignation.

Proposed Changes: Ethics Complaints

- Complaints must be filed within six (6) months of when the alleged violation is said to have occurred (or within six (6) months of when such violation was or should have been discovered).
- Requires complaints to identify the specific provisions of the ethics ordinance alleged to be violated.
- Requires complaints to be supported by affidavits based on personal knowledge.
- Requires separate complaints to be filed for each person alleged to have engaged in any action violating the ordinance, even if the allegations arise from the same factual basis.
- Prohibits action from being taken when a complaint arises out of the same facts or circumstances serving as the basis of a prior complaint.

Proposed Changes: Ethics Panel Composition

- On an annual basis, City Council will jointly appoint no less than nine (9) and no more than fifteen (15) individuals from which to draw members of ethics panels.
- Qualifications:
  - Attorney in good standing;
  - At least five (5) years experience, with at least three (3) years experience in general civil litigation;
  - Does not reside in or maintain an office in the City;
  - Is not, and has never been, an employee or City official, and not the spouse, parent, child or sibling of an existing or former City employee or official;
  - Has no business or contractual relationship with the City;
  - Has not provided money or in kind campaign contributions to City Council members;
  - Has not been convicted of a felony involving moral turpitude

Proposed Changes: Processing a Complaint

- The City Clerk has five (5) business days to review the complaint to determine if it is valid on its face
  - If the complaint is not valid, the Clerk shall notify the complainant in writing of the defects and the complainant has the opportunity to cure by resubmitting within five business days.
- When the Clerk determines a complaint is valid, the Clerk must promptly forward a copy to the charged official, who has 30 days from receipt of the complaint to submit a written response.
- The Clerk must also draw the names of five (5) individuals to serve on the Ethics Panel.
  - Must be witnessed by another staff member or the City Attorney
  - The validity of the selection must be memorialized in writing and the legitimacy shall be attested by the Clerk and witness.
- Selected Panel members must sign an affidavit regarding their qualification to serve on the Ethics Panel.

Proposed Changes: Processing a Complaint

- Within 60 days of the determination that the ethics complaint is valid, the Ethics Panel must meet to conduct an initial review to determine whether specific, substantiated evidence from credible source(s) exists in the ethics complaint to support a reasonable belief that there has been a violation.
- The Panel may either dismiss the complaint (in writing) or may or set a hearing for further consideration of the ethics complaint.
- If a hearing is set, the Clerk shall provide written notice of the hearing time, date, and location to the complainant and respondent by certified mail.

Other Changes

- Provides for removal, resignation, and replacement of Ethics Panel members.
- Authorizes the issuance of subpoenas.
- Expands possible action on complaints:
  - Written warning, censure, or reprimand
  - Request for resignation from office
  - Removal from office to the extent provided by Georgia law
  - Repayment to the City of any unjust enrichment.
- Prohibits ex parte communications

Wrongful Use of Ethics Complaints

- A wrongful use occurs if and when a frivolous, false, or politically motivated ethics complaint is filed in a negligent, reckless, or purposeful manner without a basis in law or fact and for purpose other than reporting a violation.
- An ethics complaint is not frivolous if the complainant reasonably believes that facts exist to support the claim and either reasonably believes that under those facts the ethics complaint is valid under this article or acts upon the advice of counsel sought in good faith and given after full disclosure of all relevant facts within his/her knowledge and information.
- Allegations of a wrongful use an ethics complaint must be raised by the charged official in their formal response to the complaint.
- If the Panel determines there was a wrongful use of an ethics complaint, the City Council may impose penalties including:
  - Public reprimand
  - Criminal prosecution for perjury
  - Payment of costs and attorneys fees.

Proposed Changes: Attorney's Fees

- If a complaint is dismissed, the charged official may seek reimbursement from the City of attorney's fees, up to $5,000.
- The charged official must submit itemized documentation of attorney's fees to the City Administrator with a sworn statement from the attorney verifying the amount submitted.

STAFF REPORT

Submitting Department: City Clerk
Submitted By: Lauren Shapiro
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: ALCOHOLIC BEVERAGE LICENSE APPLICATIONS
APPROVAL OF THE FOLLOWING ALCOHOLIC BEVERAGE LICENSE APPLICATION:

1. PH-22-AB-36 FIRST WATCH RESTAURANTS, INC.
D/B/A FIRST WATCH #10015035 WINDWARD PARKWAY, ALPHARETTA, GA 30004

RESTAURANT
CONSUMPTION ON PREMISES
LIQUOR, BEER, WINE & SUNDAY SALES
OWNER: FIRST WATCH RESTAURANTS, INC.
REGISTERED AGENT: TODD C. SMITH

II. RECOMMENDATION:

Approve the following alcoholic beverage license application as part of the Consent Agenda:
1. PH-22-AB-36 First Watch Restaurants, Inc., d/b/a First Watch #10015035 Windward Parkway, Alpharetta, GA 30004

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO
FISCAL IMPACT: NO
INCLUDED IN CURRENT FY CPTL BUDGET: NO
INCLUDED IN CURRENT FY OPRT. BUDGET: NO
TOTAL PROJECT COST:
APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

The above referenced Alcoholic Beverage License Application was heard and considered during a virtual Alcohol License Public Hearing on Monday, December 1, 2022. There were no public comments during the hearing. At the conclusion of the hearing, City Clerk, Lauren Shapiro, recommended approval and forwarded the above referenced application to City Council for final approval.

V. ALTERNATIVES:

VI. ATTACHMENTS:

Alcohol License Application Minutes 12-1-2022

ALCOHOL LICENSE PUBLIC HEARING
DECEMBER 1, 2022

ALPHARETTA CITY CLERK'S OFFICE
VIRTUAL MEETING VIA ZOOM
CITY CLERK: LSHAPIRO@ALPHARETTA.GA.US
ASSISTANT CITY CLERK: KVANHORN@ALPHARETTA.GA.US

2:00 PM

I. VIRTUAL MEETING ZOOM LINK

The City of Alpharetta's Alcohol License Public Hearings are a virtual meeting via Zoom. The meeting begins at 2:00 p.m. on the day of the scheduled hearing. To join the meeting, pleases click on this link: https://zoom.us

Zoom Meeting ID: 829 0114 2483

II. CALL TO ORDER

- City Clerk Lauren Shapiro called the meeting to order at 2:02 p.m.

III. ROLL CALL

- Lauren Shapiro, City Clerk
- Kiersten VanHorn, Assistant City Clerk
- Beau Smith, Code Enforcement Officer
- Frank Jackson, Code Enforcement Officer
- Dana Resnick, Sard & Leff, LLC.

IV. PUBLIC HEARING

A. PH-22-AB-36 First Watch Restaurants, Inc.
d/b/a First Watch
5035 Windward Parkway
Alpharetta, GA 30004

Restaurant
Consumption on Premises
Liquor, Beer, Wine & Sunday Sales

Owner: First Watch Restaurants, Inc.
Registered Agent: Todd C. Smith

- Ms. Dana Resnick, Esq. of Sard & Leff, Inc. located at 3789 Roswell Road, Atlanta, GA 30342 was on the call representing the applicant.
- Ms. Resnick stated this restaurant is going in the location formerly occupied by Chili's Restaurant. This is the 2nd First Watch location in Alpharetta, GA.
- Ms. Resnick stated this location plans to open Monday, December 5, 2022 and will not be serving alcohol until they acquire the required licenses.

- Ms. Resnick stated First Watch is open 7 days a week from 7a.m. – 2:30p.m. and serves breakfast and lunch. Their sales are primarily 95% food and 5% alcohol.
- Ms. Resnick stated employees will be trained on the service of alcohol using ServSafe and are instructed to ask for ID for anyone appearing under than 40 years of age.
- Ms. Shapiro had Ms. Resnick confirm the applicant is familiar with the City of Alpharetta's alcohol ordinances and noted they will need to obtain their state of Georgia license as well before serving alcohol.
- Code Enforcement Officer Frank Jackson confirmed the applicant has met all the requirements of obtaining an alcohol license in the City of Alpharetta. Ms. Shapiro then recommended the application be approved. She advised the applicant that a representative will need to appear in person at the City Council meeting on Monday, December 5, 2022 at 6:30 pm.

NOTE: The 12/5/22 Council Meeting was cancelled, this Alcohol Application item will appear on the 12/12/22 City Council Meeting Consent Agenda

V. PUBLIC COMMENT

- There were no public comments

VI. ADJOURNMENT

- City Clerk Lauren Shapiro adjourned the hearing at 2:07 p.m.

Respectfully submitted,

Kiersten VanHorn

Kiersten VanHorn, Assistant City Clerk

STAFF REPORT

Submitting Department: Finance
Submitted By: Shawn Mitchell
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: FINANCIAL MANAGEMENT REPORT (MONTH ENDING OCTOBER 31, 2022)
APPROVAL OF THE FINANCIAL MANAGEMENT REPORT FOR THE MONTH ENDING OCTOBER 31, 2022.

II. RECOMMENDATION:

Approve the Financial Management Report for the month ending October 31, 2022 (period 4 of Fiscal Year 2023).

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO
FISCAL IMPACT: NO
INCLUDED IN CURRENT FY CPTL BUDGET: NO
INCLUDED IN CURRENT FY OPRT. BUDGET: NO
TOTAL PROJECT COST:
APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

On a monthly basis, the Finance Department prepares detailed revenue and expenditure statements for all city operating funds (including prior-year comparisons for the General Fund). In addition, this report includes:

1. Detailed capital project report including life-to-date activity;
2. Payments $5,000 and greater; and
3. Purchase orders with an estimated cost between $5,000 and $50,000.

V. ALTERNATIVES:

Do not approve the financial management report for month ending October 31, 2022 as part of the consent agenda and remove this item from the consent agenda.

VI. ATTACHMENTS:

FY 2023 Financial Management Report for the month ended October 31, 2022

City of Alpharetta, GA

Finance Department
2 Park Plaza, Alpharetta, GA 30009
Thomas G. Harris, Finance Director
(678) 297-6094 (o)
www.alpharetta.ga.us

Financial Management Reports

for the month ending

October 31, 2022

(period 4 of 12 – unaudited)

Please visit the Financial Transparency Portal for additional information including audited financial statements, adopted budgets, and automated tools aimed at simplifying access to the City's financial data.

https://www.alpharetta.ga.us/government/departments/finance/transparency-portal

Financial Management Reports
Fiscal Year 2023

Table of Contents

Performance Dashboard 1

Transmittal Letter 2

General Fund 6

- Revenue Summary and Collection Comparison 7
- Expenditure Summary by Department 9
- Expenditure Summary by Category 10

Grant and Capital Funds 11

- Grant Funds 12
- Capital Funds 16
- Special Revenue Funds (w/capital projects) 27

Other Reports 30

- Payments $5,000 and Greater 31
- PO's between $5,000 and $50,000 35
- GAAP Financial Statements (Governmental/Enterprise Funds) 36

Alpharetta Development Authority 42

- Revenue & Expenditure Report 43
- GAAP Financial Statements 45

Republic Services

- Accountability and Performance Dashboards (available online – link below):

  https://www.alpharetta.ga.us/government/departments/finance/services/trash-and-recycling

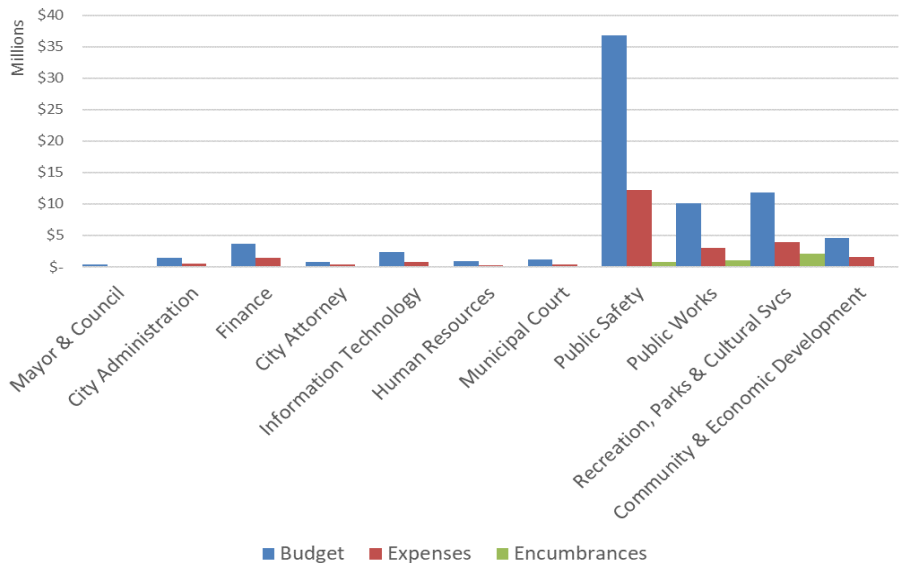
CITY OF ALPHARETTA

Financial Management Reports
Performance Dashboard
For the month ended October 31, 2022

LEGEND	
↑	Positive
↔	Neutral
↓	Negative

GENERAL FUND DETAIL

Revenues	Performance Status	Forecasted Gain/Loss
Top-10		
Property Taxes (current year)	↑	$950,000
Local Option Sales Tax	↑	$2,325,000
Franchise Tax	↓	($350,000)
Insurance Premium Tax	↑	$593,627
Alcohol Beverage Excise Tax	↑	$200,000
Building Permit Fees	↑	$150,000
Business and Occupational Tax	↔	$0
Court/Traffic Fines	↑	$380,500
Recreation/Special Event Fees	↔	($102,002)
Hotel/Motel Tax (City portion)	↑	$618,750
Other Revenues	↔	($211,858)
Minimum Surplus Goal Needed to Fund Capital: ***($15M Annual Capital Need less $3M allocated in the budget)***		**$12M**
Less: Projected Revenue Gain		**($4.6M)**
Less: Projected Expenditure Savings		**($3.5M)**
Favorable (Unfavorable) Net Surplus vs $15M Capital Need:		**($3.9M)**



FUND SYNOPSIS

	Revenue	Expenses	Non-Allocated
General Fund (1)	↑	↑	$772,892
Special Revenue Funds			
Confiscated Assets Fund (DEA)	↔	↔	$229,254
Confiscated Assets Fund (State)	↔	↔	$0
Emergency 911 Fund (1)	↔	↔	$656,421
Impact Fee Fund	↔	↔	$118,471
Hotel/Motel Fund (1)	↑	↑	$586,022
Debt Service Fund	↑	↑	$778,397
Proprietary Funds			
Solid Waste Fund (2)	↔	↔	$0
Risk Management Fund	↔	↔	$1,262,211
Medical Insurance Fund	↔	↔	($40,603)

	Non-Allocated
Grant Funds	
Operating Grant Fund (3)	$20,675
Capital Grant Fund (3)	($9,179)
Capital Project Funds	
Capital Project Fund (3)	$2,279,122
Stormwater Capital Fund	$72,863
Series 2016 Bond Fund (Parks)	$17,682
Series 2022 Bond Fund (Parks)	$62,055
TSPLOST I Capital Fund	$37,242
TSPLOST II Capital Fund	$0
American Rescue Plan Act Capital Fund	$0
Development Authority Fund	$64,551

BOND RATING

AAA

strongest rating available

EMERGENCY RESERVE

General Fund
$19.7M est. (25%)

Emergency 911 Fund
$1.25M est. (25%)

Sanitation Fund
$116K est. (2%)

rate adj. improving reserve

Please Note: Current year revenue in excess of budgeted amounts may be available to augment Non-Allocated balances upon City Council approval (e.g. Impact Fee Fund collections).

(1) General Fund value represents Contingency balance. Hotel/Motel Fund value represents Debt Service Reserve (target is $1.5 million). Other Funds represents amounts in excess of the 25% fund balance target.

(2) Solid Waste Fund operational trends will remain neutral despite the recent rate adjustment as it will take multiple years to replenish the fund balance target.

(3) Does not include amounts, if any, currently set aside for matches on active grant applications.

2 PARK PLAZA
ALPHARETTA, GA 30009
PHONE: 678.297.6000
WWW.ALPHARETTA.GA.US

TO: HONORABLE MAYOR AND CITY COUNCIL MEMBERS

FROM: THOMAS G. HARRIS, FINANCE DIRECTOR

DATE: DECEMBER 12, 2022

RE: FINANCIAL MANAGEMENT REPORTS AS OF OCTOBER 31, 2022

The documents contained herein represent the financial management reports for the City of Alpharetta ("city") as of the period ending September 30, 2022.

General Fund

Revenue: The following section pertains to information detailed in the attached Revenue Summary and Collection Comparison report. FY 2023 revenues are budgeted at $79 million (net of Carryforward Fund Balance totaling $13 million). As of October 31, 2022, actual revenue collections total 28% or $22 million. Trends (property digest valuations and collection trends) indicate a net gain over budget of $4.6 million with the detail as follows:

• Property Taxes (current year):	$ 950,000
• LOST:	2,325,000
• Insurance Premium Taxes:	593,627
• Alcohol Beverage Excise Taxes:	200,000
• Hotel Taxes:	618,750
• Franchise Tax:	(350,000)
• Other:	216,640
Estimated Gain:	$ 4,554,018 (rounded)

Revenue collection percentages are typically low for the first several months of the fiscal year due to various factors including: (a) property tax billings mailed in October that carry a December due date; and (b) accrual entries aimed at ensuring the city's revenues accurately reflect the period in which they were earned.

The October 1st billing for property taxes (incl. estimates for public utilities) totals roughly $28 million. Adjusting for historical appeal reductions (outside of the allowances already included within the billable digest), historical allowances for non-collections, etc., staff forecasts property tax revenue of $27.3 million which is $950,000 greater than budget.

Local Option Sales Tax collections is trending 12% higher than FY 2022 ($20.6 million). Collection estimates for FY 2023 total $21.3 million which is $2.3 million greater than budget.

MAYOR
JIM GILVIN

MAYOR PRO TEM
DAN MERKEL

COUNCIL MEMBERS
JASON BINDER
DOUGLAS J. DERITO
JOHN HIPES
DONALD F. MITCHELL
BRIAN WILL

CITY
ADMINISTRATOR
CHRIS LAGERBLOOM

Insurance Premium Tax collections total $5.4 million in FY 2023 and represent a 13% increase over FY 2022 collections of $4.8 million.

Alcohol Beverage Excise Tax collections is trending 11% higher than FY 2022 ($2.8 million). Collection estimates for FY 2023 conservatively total $2.8 million ($200,000 greater than budget) pending further trend data.

Hotel/Motel tax collections is discussed within the Special Revenue Funds section of this letter.

Early indications are that Franchise Tax collections for electric and cable are trending flat with the 2023 budget. Collections for natural gas will most likely exceed the 2023 budget, subject to multiple factors (e.g., winter weather). Early indications are that telephone collections will not meet budget as the 2023 forecast was based off prior-year trend data that included non-recurring audit collections. Overall, the Franchise Tax collection estimates for FY 2023 total $6.8 million which is $350,000 less than budget. Please note, it is very early, and this collection estimate will still vary upon receipt of trend data.

Expenditures: The following section pertains to information detailed in the attached Expenditure Summary by Department (expenditure rollup by department) and Expenditure Summary by Category (expenditure rollup by account) reports. As of October 31, 2022, city departments (not including General Government[1]) have encumbered and expensed 39%, or $28.9 million, of their FY 2023 budget appropriations. Early forecasts indicate a surplus of $3.5 million compared to budget and is primarily composed of savings at the personnel services category (e.g., approximately 23 vacancies within General Fund departments as of September 2022).

Contingency: The General Fund contingency balance totals $772,892.

Other Funds

The following section references information included within the attached Performance Dashboard, Grant and Capital Funds Detail Reports, GAAP Financial Statements, etc.

Operating Grant Fund (Fund 220): Unspent/unencumbered project appropriations total $115,916. Remaining appropriations are set aside for grant matches ($27,408) and a non-allocated reserve ($20,675).

Capital Grants Fund (Fund 340): Unspent/unencumbered project appropriations total $1.1 million.

General Capital Project Fund (Fund 301): Unspent/unencumbered project appropriations total $8.8 million. Remaining appropriations are set aside for a non-allocated reserve ($2.3 million).

Stormwater Capital Fund (Fund 302): Unspent/unencumbered project appropriations total $4.4 million. Remaining appropriations are set aside for a non-allocated reserve ($72,863).

American Rescue Act Capital Fund (Fund 303): Unspent/unencumbered project appropriations total $2.7 million.

[1] General Government is utilized to account for non-operating transactions such as transfers-out to other city funds, contingency, etc.

Series 2016 Parks and Transportation Bond Fund (Fund 317): Unspent/unencumbered project appropriations total $5,479. Remaining appropriations are set aside for a non-allocated reserve ($17,682).

Series 2022 Parks Bond Fund (Fund 318): Unspent/unencumbered project appropriations total $28.1 million. Remaining appropriations are set aside for a non-allocated reserve ($62,055).

TSPLOST 1 Capital Project Fund (Fund 335): This fund accounts for collections under the Transportation Special Local Option Sales Tax (TSPLOST) that went into effect on April 1, 2017 and expired on March 31, 2022. Unspent/unencumbered project appropriations total $31.6 million. Remaining appropriations are set aside for a non-allocated reserve ($37,242).

TSPLOST 2 Capital Project Fund (Fund 336): This fund accounts for collections under the Transportation Special Local Option Sales Tax (TSPLOST) that went into effect on April 1, 2022. Appropriated funding totals $51 million and represents Tier-1 project funding. Tier-1 projects are funded at 85% of forecasted revenue collections over the life of the 5-year tax. For comparison purposes, TSPLOST 1 collections have trended at over 90% of forecasted revenue collections. Unspent/unencumbered project appropriations total $38 million.

Hotel/Motel Fund: FY 2023 revenues are budgeted at $7.5 million (net of carryforward fund balance totaling $1.1 million) with budgeted disbursements as follows: Alpharetta Convention & Visitor's Bureau (43.75% or $3.3 million); Facilities (18.75% and a portion of the carryforward fund balance detailed above; $1.4 million for debt service on the Series 2016 Convention Center Bonds; $592,687 for eligible initiatives such as Equestrian Center and Wills Park Master Plan Improvements; with residual funding for bond/debt service reserve); and the city (37.5% or $2.8 million).

Specifically, Debt Service Reserve funding (Convention Center Bonds) from the Facilities portion of the tax totals $586,022. This reserve figure dipped below the $1.5 million target level in 2019 due to the impact of the COVID-19 pandemic on the hospitality industry and is being replenished as revenues within the Fund continue strengthening.

Hotel tax collections is continuing its strong growth and estimates for FY 2023 total $9.2 million which is $1.7 million greater than budget.

Solid Waste Fund: FY 2023 revenues are currently budgeted at $6.1 million. As of October 31, 2022, the city has collected $2.7 million representing the 1st - 2nd quarter advanced billings and is on target.

Other Items

Council Member Stipend Activity Listing: The FY 2023 budget includes appropriations of $7,200 for the Mayor and $4,000 for each City Council Post and the available balances as of September 30, 2022 are as follows:

	Budget	Expenditures	Available Balance
Mayor: Jim Gilvin	$ 7,200	$ 3,480	$ 3,720
Post #1: Donald Mitchell	$ 4,000	$ 0	$ 4,000
Post #2: Brian Will	$ 4,000	$ 242	$ 3,758
Post #3: Doug DeRito	$ 4,000	$ 0	$ 4,000
Post #4: John Hipes	$ 4,000	$ 390	$ 3,610
Post #5: Jason Binder	$ 4,000	$ 39	$ 3,961
Post #6: Dan Merkel	$ 4,000	$ 176	$ 3,824

Development Authority[2] (Component Reporting Unit)

As of October 31, 2022, the Development Authority has $182,436 in available resources to support its main functions of promoting the public good and general welfare, trade, commerce, industry, general tax base and the employment opportunities available in the city.

[2] The Development Authority is a public corporation created and existing under the Constitution and laws of the State of Georgia and is governed by seven directors duly appointed by the Alpharetta City Council.

GENERAL FUND

Revenue Report

CITY OF ALPHARETTA

Financial Management Reports
General Fund (Unaudited)
Revenue Summary and Collection Comparison
As of October 31, 2022

	Current Fiscal Year					Prior Fiscal Year		
	2023 Budget	2023 YTD	% Collected	2023 Estimated	Variance	2022 Actual	2022 YTD	% Collected
Top 10 Revenues:								
Property Taxes								
Current Year	$ 26,300,000	$ 3,960,635	15.1%	$ 27,250,000	$ 950,000	$ 26,738,657	$ 4,034,248	15.1%
Delinquent	147,000	22,642	15.4%	127,660	(19,340)	167,407	(100,170)	-59.8%
Motor Vehicle Tax	55,000	21,195	38.5%	55,000	-	79,585	20,756	26.1%
Motor Vehicle Title Fee	3,000,000	872,692	29.1%	3,150,000	150,000	3,142,797	784,632	25.0%
Local Option Sales Tax	18,925,000	5,389,654	28.5%	21,250,000	2,325,000	20,552,835	4,821,138	23.5%
Franchise Tax	7,100,000	232,752	3.3%	6,750,000	(350,000)	6,634,631	490,302	7.4%
Insurance Premium Tax	4,825,000	5,418,627	112.3%	5,418,627	593,627	4,759,402	4,759,402	100.0%
Alcohol Beverage Excise Tax	2,575,000	761,350	29.6%	2,775,000	200,000	2,764,435	687,495	24.9%
Building Permit Fees	1,850,000	1,061,756	57.4%	2,000,000	150,000	1,987,196	647,822	32.6%
Business and Occupational Tax	1,000,000	61,377	6.1%	1,000,000	-	1,063,180	70,905	6.7%
Court/Traffic Fines	2,370,000	889,695	37.5%	2,750,500	380,500	2,970,763	778,619	26.2%
Recreation/Special Event Fees	2,823,339	874,580	31.0%	2,721,337	(102,002)	2,566,047	754,518	29.4%
Hotel/Motel Tax (City portion)	2,812,500	637,574	22.7%	3,431,250	618,750	2,975,786	706,113	23.7%
subtotal	$ 73,782,839	$ 20,204,530	27.4%	$ 78,679,374	$ 4,896,535	$ 76,402,722	$ 18,455,779	24.2%
Other Revenues	5,005,443	1,573,979	31.4%	4,662,925	(342,518)	4,743,356	1,485,652	31.3%
Total Revenues	$ 78,788,282	$ 21,778,509	27.6%	$ 83,342,300	$ 4,554,018	$ 81,146,078	$ 19,941,431	24.6%
Carryforward Fund Balance	12,639,800							



GENERAL FUND

Expenditure Reports

CITY OF ALPHARETTA

Financial Management Reports
General Fund (unaudited)
Expenditure Summary by Department
As of October 31, 2022

	Current Fiscal Year						Prior Fiscal Year		
	2023 Budget	2023 Encumbrances	2023 Exp. (YTD)	Funds Available	% Enc./Exp.	% Exp.	2022 Exp. (Total)	2022 Exp. (YTD)	% Exp.
Expenditures by Department:									
Mayor & Council	$ 399,287	$ 7,579	$ 118,998	$ 272,710	31.7%	29.8%	$ 350,347	$ 129,111	36.9%
City Administration	1,420,733	17,722	499,710	903,300	36.4%	35.2%	1,440,308	788,665	54.8%
Finance	3,698,826	124,833	1,476,476	2,097,517	43.3%	39.9%	3,451,127	1,335,142	38.7%
City Attorney	750,000	-	364,357	385,643	48.6%	48.6%	1,062,905	146,044	13.7%
Information Technology	2,350,617	37,270	744,251	1,569,096	33.2%	31.7%	1,894,045	685,212	36.2%
Human Resources	855,513	24,180	248,749	582,584	31.9%	29.1%	606,075	203,262	33.5%
Municipal Court	1,148,200	40,288	357,937	749,975	34.7%	31.2%	1,080,027	345,915	32.0%
Public Safety	36,733,287	850,602	12,277,116	23,605,569	35.7%	33.4%	32,217,831	11,384,765	35.3%
Public Works	10,112,573	1,049,163	2,976,388	6,087,022	39.8%	29.4%	8,853,638	2,786,439	31.5%
Recreation, Parks & Cultural Svcs	11,802,191	2,107,146	3,907,449	5,787,596	51.0%	33.1%	10,281,112	3,354,930	32.6%
Community & Economic Development	4,630,115	71,575	1,561,531	2,997,010	35.3%	33.7%	4,081,289	1,301,371	31.9%
subtotal	$ 73,901,342	$ 4,330,358	$ 24,532,961	$ 45,038,023	39.1%	33.2%	$ 65,318,703	$ 22,460,856	34.4%
General Government:									
Insurance Premiums (Risk)	$ 823,300	$ -	$ 274,433	$ 548,867	33.3%	33.3%	$ 779,750	$ 259,917	33.3%
Gwinnett Tech Bond P&I	288,640	-	41,820	246,820	14.5%	14.5%	289,640	44,820	15.5%
Transfer(s) to other Funds	15,639,800	-	5,213,267	10,426,533	33.3%	33.3%	7,486,799	2,495,600	33.3%
Contingency	775,000	-	2,108	772,892	0.3%	0.3%	60,167	32,180	53.5%
subtotal	$ 17,526,740	$ -	$ 5,531,628	$ 11,995,112	31.6%	31.6%	$ 8,616,356	$ 2,832,517	32.9%
Total Expenditures	$ 91,428,082	$ 4,330,358	$ 30,064,589	$ 57,033,135	37.6%	32.9%	$ 73,935,059	$ 25,293,372	34.2%

CITY OF ALPHARETTA

Financial Management Reports
General Fund (unaudited)
Expenditure Summary by Category
As of October 31, 2022

	Current Fiscal Year						Prior Fiscal Year		
	2023 Budget	2023 Encumbrances	2023 Exp. (YTD)	Funds Available	% Enc./Exp.	% Exp.	2022 Exp. (Total)	2022 Exp. (YTD)	% Exp.
Expenditures by Category:									
Salaries & Benefits:									
(1) Regular Salaries	$ 33,167,362	$ -	$ 9,215,995	$ 23,951,367	27.8%	27.8%	$ 28,833,638	$ 8,098,170	28.1%
Overtime	2,193,913	-	836,801	1,357,112	38.1%	38.1%	2,452,865	671,045	27.4%
Group Insurance	10,081,080	-	3,110,615	6,970,465	30.9%	30.9%	8,085,777	3,084,599	38.1%
FICA and Social Security	2,705,978	-	730,813	1,975,165	27.0%	27.0%	2,277,379	631,483	27.7%
Defined Benefit Pension	2,869,712	-	2,869,712	-	100.0%	100.0%	2,818,660	2,818,660	100.0%
401(A) Retirement/Match	2,899,010	-	880,795	2,018,215	30.4%	30.4%	2,548,264	826,536	32.4%
(2) Other	1,535,153	-	946,629	588,524	61.7%	61.7%	1,402,233	842,756	60.1%
subtotal	$ 55,452,208	$ -	$ 18,591,360	$ 36,860,848	33.5%	33.5%	$ 48,418,816	$ 16,973,247	35.1%
Maintenance & Operations:									
Professional Services	$ 2,884,410	$ 867,970	$ 1,010,513	$ 1,005,927	65.1%	35.0%	$ 2,848,177	$ 953,374	33.5%
Legal Services	750,000	-	364,357	385,643	48.6%	48.6%	1,062,905	146,044	13.7%
Vehicle Fuel/Maintenance	1,065,060	4,223	387,320	673,517	36.8%	36.4%	1,237,660	363,597	29.4%
Maintenance Contracts	3,725,691	2,264,968	850,577	610,146	83.6%	22.8%	3,005,871	822,648	27.4%
IT Professional Services	2,419,108	789,578	1,134,932	494,598	79.6%	46.9%	1,962,573	1,074,503	54.7%
General Supplies	978,376	143,579	238,597	596,200	39.1%	24.4%	893,611	296,582	33.2%
Utilities	2,900,691	-	756,753	2,143,938	26.1%	26.1%	2,748,597	694,041	25.3%
Insurance Premiums (Risk)	823,300	-	274,433	548,867	33.3%	33.3%	779,750	259,917	33.3%
Other	3,031,990	260,040	801,799	1,970,151	35.0%	26.4%	2,462,929	692,229	28.1%
subtotal	$ 18,578,626	$ 4,330,358	$ 5,819,282	$ 8,428,986	54.6%	31.3%	$ 17,002,074	$ 5,302,935	31.2%
Capital:									
OSSI/Fire Truck Leases	$ 659,858	$ -	$ 396,752	$ 263,106	60.1%	60.1%	$ 675,893	$ 444,590	65.8%
Other	33,950	-	-	33,950	0.0%	0.0%	1,671	-	0.0%
subtotal	$ 693,808	$ -	$ 396,752	$ 297,056	57.2%	57.2%	$ 677,563	$ 444,590	65.6%
General Government:									
Gwinnett Tech Bond P&I	$ 288,640	$ -	$ 41,820	$ 246,820	14.5%	14.5%	$ 289,640	$ 44,820	15.5%
Transfer(s) to other Funds	15,639,800	-	5,213,267	10,426,533	33.3%	33.3%	7,486,799	2,495,600	33.3%
Contingency	775,000	-	2,108	772,892	0.3%	0.3%	60,167	32,180	53.5%
subtotal	$ 16,703,440	$ -	$ 5,257,195	$ 11,446,245	31.5%	31.5%	$ 7,836,606	$ 2,572,600	32.8%
Total Expenditures	$ 91,428,082	$ 4,330,358	$ 30,064,589	$ 57,033,135	37.6%	32.9%	$ 73,935,059	$ 25,293,372	34.2%

Notes:

(1) Includes the following components: regular salaries, holiday leave, temporary and seasonal salaries, and separation payout.

(2) Includes the following components: workers compensation, educational programs, automobile allowance, tuition reimbursement, and employee service awards.

GRANT AND CAPITAL FUNDS

Revenue & Expenditure Reports

CITY OF ALPHARETTA

Financial Management Reports

Grant Funds

Operating Grant Fund Detail (Fund 220; life-to-date for active projects)

As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenues										
City Administration										
22013230-371000	C2100	MURAL ART PROJECT	15,915	15,915	$ -	$ -	$ -	$ -		$ -
		subtotal			***$ -***	***$ -***	***$ -***	***$ -***		***$ -***
Public Safety										
22031150-331110	C1730	2017 BULLETPROOF VEST (DOJ)	13,179	12,462	$ -	$ 717	$ 717	$ -		$ 717
22031150-331110	C1831	2018 BULLETPROOF VEST (DOJ)	15,375	7,314	-	8,061	8,061	-		8,061
22031150-331110	C2018	2019 BULLETPROOF VEST (DOJ)	19,188	3,353	-	15,835	15,835	-		15,835
22031150-331110	C2059	2020 BULLETPROOF VEST (DOJ)	17,159	-	-	17,159	17,159	2,323		14,836
22031150-331110	C2115	2021 BULLETPROOF VEST (DOJ)	11,624	-	-	11,624	11,624	-		11,624
		subtotal			***$ -***	***$ 53,396***	***$ 53,396***	***$ 2,323***		***$ 51,073***
Recreation, Parks & Cultural Services										
22061150-347509	C2039	WIRE & WOOD (ACVB SPONSOR)	152,000	102,000	$ -	$ 50,000	$ 50,000	$ 50,000		$ -
22061150-371000	C2212	PARKING PERMIT - FILM	4,000	4,000	-	-	-			-
22061150-336000	C2213	2021 CAMP HAPPY HEARTS	5,000	5,000	-	-	-			-
22061150-336000	C2215	FC ARTS & CULTURE	7,800	7,800	-	-	-			-
22061150-336001	C2234	ARTS CENTER (CERAMICS)	2,248	2,248	-	-	-			-
22061150-347509	C2239	NORTH PARK SOFTBALL TOURNEY	2,397	2,397	-	-	-			-
22061150-336000	C2247	2022 CAMP HAPPY HEARTS	5,000	-	-	5,000	5,000	5,000		-
22061150-371000	C2308	MUSIC MATCH APPLICATIONS	-	-	-	-	-	2,175		(2,175)
		subtotal			***$ -***	***$ 55,000***	***$ 55,000***	***$ 57,175***		***$ (2,175)***
General Government										
22090200-361000		INTEREST EARNINGS			$ -	$ -	$ -	$ 973		$ (973)
22090200-363000		UNREALIZED GAIN/LOSS			-	-	-	(1,436)		1,436
22090200-395000		CARRYFORWARD FUND BALANCE			-	117,013	117,013	-		117,013
		subtotal			***$ -***	***$ 117,013***	***$ 117,013***	***$ (462)***		***$ 117,475***
		Total			**$ -**	**$ 225,409**	**$ 225,409**	**$ 59,036**		**$ 166,373**

CITY OF ALPHARETTA

Financial Management Reports

Grant Funds

Operating Grant Fund Detail (Fund 220; life-to-date for active projects)

As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Expenditures										
City Administration										
22013230-521200	C2100	MURAL ART PROJECT	17,215	2,800	$ -	$ 14,415	$ 14,415	$ -	$ -	$ 14,415
		subtotal			***$ -***	***$ 14,415***	***$ 14,415***	***$ -***	***$ -***	***$ 14,415***
Public Safety										
22031150-542100	C1730	2017 BULLETPROOF VEST (DOJ)	26,357	24,925	$ -	$ 1,432	$ 1,432	$ -	$ -	$ 1,432
22031150-542100	C1831	2018 BULLETPROOF VEST (DOJ)	30,751	16,675	-	14,076	14,076	-	-	14,076
22031150-542100	C2018	2019 BULLETPROOF VEST (DOJ)	38,374	12,280	-	26,094	26,094	-	-	26,094
22031150-542100	C2059	2020 BULLETPROOF VEST (DOJ)	30,694	4,646	-	26,048	26,048	-	-	26,048
22031150-542100	C2115	2021 BULLETPROOF VEST (DOJ)	23,248	-	-	23,248	23,248	-	-	23,248
		subtotal			***$ -***	***$ 90,898***	***$ 90,898***	***$ -***	***$ -***	***$ 90,898***
Recreation, Parks & Cultural Services										
22061159-521200	C2039	WIRE & WOOD (ACVB SPONSOR)	100,000	50,000	$ -	$ 50,000	$ 50,000	$ -	$ 50,000	$ -
22061150-531100	C2101	SPECIAL NEEDS EXPO / EVENT	1,018	-	-	1,018	1,018	-	-	1,018
22061150-531100	C2102	FULTON GOLDEN GAMES	3,630	-	-	3,630	3,630	-	-	3,630
22061150-531100	C2212	PARKING PERMIT - FILM	4,000	3,750	-	250	250	-	-	250
22061150-531100	C2213	2020 CAMP HAPPY HEARTS	5,000	2,671	-	2,329	2,329	2,329	-	-
22061150-531100	C2215	FC ARTS & CULTURE	7,800	6,056	-	1,744	1,744	1,744	-	-
22061150-531100	C2234	ARTS CENTER (CERAMICS)	2,249	1,604	-	645	645	-	-	645
22061150-531100	C2237	PARTNERED EVENTS	5,000	-	-	5,000	5,000	4,040	900	60
22061150-523300	C2239	NORTH PARK SOFTBALL TOURNEY	2,397	-	-	2,397	2,397	2,397	-	-
22061150-531100	C2247	2022 CAMP HAPPY HEARTS	5,000	-	-	5,000	5,000	-	-	5,000
		subtotal			***$ -***	***$ 72,013***	***$ 72,013***	***$ 10,510***	***$ 50,900***	***$ 10,603***
Non-Allocated										
22090200-579000		CONTINGENCY			$ -	$ 20,675	$ 20,675	$ -	$ -	$ 20,675
22090200-579011		MATCH (GRANTS UNDER REVIEW)			-	27,408	27,408	-	-	27,408
		subtotal			***$ -***	***$ 48,083***	***$ 48,083***	***$ -***	***$ -***	***$ 48,083***
		Total			**$ -**	**$ 225,409**	**$ 225,409**	**$ 10,510**	**$ 50,900**	**$ 163,999**

CITY OF ALPHARETTA

Financial Management Reports
Grant Funds
Capital Grant Fund Detail (Fund 340; life-to-date for active projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue										
Public Safety										
34031150-331350	C2235	CRABAPPLE TRAINING FACILITY	46,130	46,130	$ -	$ -	$ -	$ -		$ -
34034450-331150	C2244	2020 HOMELAND SECURITY GRANT	45,900	-	-	45,900	45,900	-		45,900
34031150-331150	C2246	2021 HOMELAND SECURITY GRANT	22,500	-	-	22,500	22,500	-		22,500
		subtotal			***$ -***	***$ 68,400***	***$ 68,400***	***$ -***		***$ 68,400***
Public Works										
34041100-334310	C1219	MILLING AND RESURFACING (LMIG)	5,879,265	5,234,146	$ -	$ 645,119	$ 645,119	$ 645,118		$ 1
34041100-331150	C2242	NORTHPOINT ALPHALINK (ARC/LCI)	1,000,000	-	-	1,000,000	1,000,000	-		1,000,000
34041100-331350	C2305	ALPHALOOP (LANDWATER)	500,000	-	-	500,000	500,000	-		500,000
		subtotal			***$ -***	***$ 2,145,119***	***$ 2,145,119***	***$ 645,118***		***$ 1,500,001***
Recreation, Parks & Cultural Services										
30161150-371000	C2248	CITY AGRICULTURE PLAN (FOOD WELL)	75,000	-	$ -	$ 75,000	$ 75,000	$ -		$ 75,000
		subtotal			***$ -***	***$ 75,000***	***$ 75,000***	***$ -***		***$ 75,000***
Community Development										
34074150-331350	C2107	NORTH POINT PKWY IMP	1,667,000	663,593	$ -	$ 1,003,407	$ 1,003,407	$ 58,906		$ 944,501
34074150-331150	C2114	S MAIN ST ARC STUDY	160,000	34,800	-	125,200	125,200	61,800		63,400
		subtotal			***$ -***	***$ 1,128,607***	***$ 1,128,607***	***$ 120,706***		***$ 1,007,901***
General Government										
34090200-361000		INTEREST EARNINGS			$ -	$ -	$ -	$ 2,162		$ (2,162)
34090200-363000		UNREALIZED GAIN/LOSS			-	-	-	(4,586)		4,586
34090200-395000		CARRYFORWARD FUND BALANCE			-	148,441	148,441	-		148,441
		subtotal			***$ -***	***$ 148,441***	***$ 148,441***	***$ (2,424)***		***$ 150,865***
		Total			**$ -**	**$ 3,565,567**	**$ 3,565,567**	**$ 763,400**		**$ 2,802,167**

CITY OF ALPHARETTA

Financial Management Reports

Grant Funds

Capital Grant Fund Detail (Fund 340; life-to-date for active projects)

As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Expenditures										
Public Safety										
34031150-542100	C2235	CRABAPPLE TRAINING FACILITY	46,130	46,130	$ -	$ -	$ -	$ -	$ -	$ -
34031150-542100	C2244	HOMELAND SECURITY GRANT	45,900	-	-	45,900	45,900	44,100	-	1,800
34031150-542100	C2246	HOMELAND SECURITY GRANT	22,500	-	-	22,500	22,500	-	18,965	3,535
		subtotal			***$ -***	***$ 68,400***	***$ 68,400***	***$ 44,100***	***$ 18,965***	***$ 5,335***
Public Works										
34041100-541410	C1215	STRIPING & SIGNAGE	185,325	185,325	$ -	$ -	$ -	$ -	$ -	$ -
34041100-541410	C1219	MILLING AND RESURFACING (LMIG)	5,879,265	5,234,146	-	645,119	645,119	121,942	523,177	-
34041100-521200	C2242	NORTHPOINT ALPHALINK (ARC/LCI)	1,000,000	-	-	1,000,000	1,000,000	-	-	1,000,000
34041100-541420	C2305	ALPHALOOP (LANDWATER)	500,000	-	-	500,000	500,000	-	500,000	-
		subtotal			***$ -***	***$ 2,145,119***	***$ 2,145,119***	***$ 121,942***	***$ 1,023,177***	***$ 1,000,000***
Recreation, Parks & Cultural Services										
30161150-541500	C2248	CITY AGRICULTURE PLAN (FOOD WELL)	75,000	-	$ -	$ 75,000	$ 75,000	$ -	$ -	$ 75,000
		subtotal			***$ -***	***$ 75,000***	***$ 75,000***	***$ -***	***$ -***	***$ 75,000***
Community Development										
34074150-541410	C2107	NORTH POINT PKWY IMP	2,083,750	903,123	$ -	$ 1,180,627	$ 1,180,627	$ 17,133	$ 1,163,493	$ 1
34074150-521200	C2114	S MAIN ST ARC STUDY	160,000	54,400	-	105,600	105,600	35,200	70,400	-
		subtotal			***$ -***	***$ 1,286,227***	***$ 1,286,227***	***$ 52,333***	***$ 1,233,893***	***$ 1***
Non-Allocated										
34090200-579000		CONTINGENCY			$ -	$ (9,179)	$ (9,179)	$ -	$ -	$ (9,179)
		subtotal			***$ -***	***$ (9,179)***	***$ (9,179)***	***$ -***	***$ -***	***$ (9,179)***
		Total			**$ -**	**$ 3,565,567**	**$ 3,565,567**	**$ 218,375**	**$ 2,276,035**	**$ 1,071,156**

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
General Capital Project Fund Detail (Fund 301; life-to-date for active projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue										
30113230-371000	C1618	CONVENTION CENTER (DESIGN)	-	-	$ -	$ -	$ -	$ 1.74		$ (2)
30141100-336000	C1410	RUCKER RD WATERLINE	1,562,604	1,459,845	-	102,759	102,759	-		102,759
30141100-336000	C1702	KIMBALL BR RD IMPROVEMENTS	6,146,784	5,544,518	-	602,266	602,266	-		602,266
30141100-371000	C2113	ENCORE GREENWAY GATEWAY	430,000	-	-	430,000	430,000	-		430,000
30141100-336000	C2238	DAVIS DR. WATER (COUNTY)	364,488	-	-	364,488	364,488	-		364,488
30141100-371000	C2305	ALPHALOOP (OMP-NORTHWINDS)	100,000	-	-	100,000	100,000	110,000		(10,000)
30161150-371000	C1929	COMM AG PROGRAM	53,245	50,135	-	3,110	3,110	3,387		(277)
30161150-371000	C2010	MEMORIAL-PARK ENHANCEMENTS	22,700	11,100	-	11,600	11,600	12,000		(400)
30174150-337000	C0910	TREE REPLACEMENT FUND (CONTRIBUTION)	467,450	467,450	-	-	-	5,400		(5,400)
30113230-336000	C0924	ECONOMIC DEVELOPMENT PLAN	37,500	-	-	37,500	37,500	-		37,500
30176100-371000	C1712	ALPHALOOP (ABC)	692,527	692,527	-	-	-	-		-
		subtotal			***$ -***	***$ 1,651,723***	***$ 1,651,723***	***$ 130,789***		***$ 1,520,934***
Non-Departmental										
30190200-395000		CARRYFORWARD FUND BALANCE			$ 2,500,000	$ 6,101,350	$ 8,601,350	$ -		$ 8,601,350
30190200-391100		TRANSFER-IN FROM THE GENERAL FUND			11,439,800	-	11,439,800	3,813,267		7,626,533
30190200-363000		UNREALIZED GAIN/LOSS INV			-	-	-	(84,771)		84,771
30190200-361000		INTEREST EARNINGS			155,000	-	155,000	62,453		92,547
		subtotal			***$ 14,094,800***	***$ 6,101,350***	***$ 20,196,150***	***$ 3,790,949***		***$ 16,405,201***
		Total			**$ 14,094,800**	**$ 7,753,073**	**$ 21,847,873**	**$ 3,921,737**		**$ 17,926,136**
Expenditures										
Administration										
30113230-542400	C1404	WEBSITE UPGRADE	145,000	-	$ 145,000	$ -	$ 145,000	$ -	$ -	$ 145,000
30113230-544100	C2105	BUSINESS RECOVERY PROGRAM	150,000	50,000	-	100,000	100,000	-	-	100,000
		subtotal			***$ 145,000***	***$ 100,000***	***$ 245,000***	***$ -***	***$ -***	***$ 245,000***
Finance										
30115150-542400	C1141	TYLER ERP SYSTEM	363,044	354,302	$ -	$ 8,742	$ 8,742	$ 789	$ 5,362	$ 2,591
		subtotal			***$ -***	***$ 8,742***	***$ 8,742***	***$ 789***	***$ 5,362***	***$ 2,591***

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
General Capital Project Fund Detail (Fund 301; life-to-date for active projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Information Technology										
30117400-542400	C0900	CISCO DATA NETWORK	300,002	189,138	$ -	$ 110,864	$ 110,864	$ -	$ 1,600	$ 109,264
30117400-542400	C1000	GIS AERIAL MAPPING	50,001	48,284	-	1,717	1,717	735	982	1
30117400-542400	C1103	NETWORK AND VOIP	717,679	154,210	200,000	363,469	563,469	-	246,681	316,788
30117400-542400	C1312	BACKUP DATA STORAGE MGMT.	510,003	488,947	-	21,056	21,056	-	-	21,056
30117400-542400	C1313	TECHNOLOGY REPLACEMENT	3,112,369	2,591,587	250,000	270,782	520,782	21,408	34,544	464,830
30117400-542400	C1615	APP/DESKTOP VIRTUALIZATION	400,145	116,249	-	283,896	283,896	-	12,500	271,396
30117400-542400	C2201	CITY COUNCIL A/V REPLACEMENT	300,001	30,185	-	269,816	269,816	-	161,792	108,024
30117400-544200	C2300	BUSINESS CONTINUITY STUDY	50,000	-	50,000	-	50,000	-	-	50,000
		subtotal			***$ 500,000***	***$ 1,321,600***	***$ 1,821,600***	***$ 22,143***	***$ 458,098***	***$ 1,341,359***
Human Resources										
30118450-542400	C1222	RECORDS MANAGEMENT	72,500	-	$ 72,500	$ -	$ 72,500	$ -	$ -	$ 72,500
		subtotal			***$ 72,500***	***$ -***	***$ 72,500***	***$ -***	***$ -***	***$ 72,500***
Municipal Court										
30126550-542400	C1222	RECORDS MANAGEMENT	39,600	32,900	$ -	$ 6,700	$ 6,700		$ 6,700	$ -
		subtotal			***$ -***	***$ 6,700***	***$ 6,700***	***$ -***	***$ 6,700***	***$ -***
Public Safety										
30131150-542200	C1202	FLEET REPLACEMENT	7,916,893	6,142,656	$ 1,375,000	$ 399,237	$ 1,774,237	$ 59,322	$ 202,884	$ 1,512,031
30131150-541300	C1229	PS ROOF REPAIR	1,197,111	904,690	300,000	(7,579)	292,421	-	267,420	25,001
30131150-542200	C1241	FLEET - FIRE TRUCK	-	-	-	-	-	-	2,353,251	(2,353,251)
30131150-542100	C1401	PS EQUIPMENT REPLACEMENT	1,513,924	1,140,581	263,000	110,343	373,343	111,805	69,124	192,414
30131150-541300	C1706	RAPSTC IMPROVEMENTS	492,531	173,695	-	318,836	318,836	-	102,143	216,693
30131150-542400	C2052	SECURITY SYSTEM REFRESH	400,059	129,485	220,000	50,574	270,574	-	254,808	15,766
30131150-542100	C2055	LICENSE PLATE READER PROGRAM	20,000	-	-	20,000	20,000	8,693	-	11,307
30131150-542100	C2207	LUCAS DEVICES	176,000	169,942	-	6,058	6,058	-	-	6,058

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
General Capital Project Fund Detail (Fund 301; life-to-date for active projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
30131150-542100	C2235	CRABAPPLE TRAINING FACILITY	43,870	37,552	-	6,318	6,318	838	-	5,480
30131150-542400	C2301	CAD/RECORDS MANAGEMENT SOFTWARE	2,250,000	-	2,250,000	-	2,250,000	-	-	2,250,000
30131150-542100	C2302	ALL TERRAIN VEHICLES	11,310	-	11,310	-	11,310	4,500	6,810	-
30131150-542100	C2303	2023 OP INITIATIVES EQUIPMENT	449,500	-	449,500	-	449,500	-	-	449,500
		subtotal			***$ 4,868,810***	***$ 903,787***	***$ 5,772,597***	***$ 185,157***	***$ 3,256,440***	***$ 2,330,999***
Public Works										
30141100-541410	C0041	TRAFFIC SIGNAL INTERCONNECT	279,781	275,044	$ -	$ 4,737	$ 4,737	$ 3,810	$ -	$ 927
30141100-541200	C0910	TREE REPLACEMENT FUND	1,626,301	1,404,067	-	222,234	222,234	21,243	67,286	133,705
30141100-541200	C1008	CEMETERY AUTHORITY-MAINTENANCE	479,543	207,186	-	272,357	272,357	3,426	11,205	257,726
30141100-541410	C1207	BRIDGE MAINTENANCE	665,212	377,330	200,000	87,882	287,882	-	29,158	258,724
30141100-541410	C1215	STRIPING & SIGNAGE	2,014,664	1,814,664	200,000	-	200,000	55,188	37,786	107,026
30141100-541410	C1217	TRAFFIC CALMING & INTERSECTION IMP	553,584	432,814	100,000	20,770	120,770	19,060	18,719	82,991
30141100-541410	C1218	TRAFFIC SIGNAL SYSTEM MAINTENANCE	804,267	691,872	100,000	12,395	112,395	56,998	4,983	50,414
30141100-541410	C1219	MILLING AND RESURFACING	24,017,759	21,564,565	1,000,000	1,453,194	2,453,194	142,578	2,204,678	105,938
30141100-541410	C1220	TRAFFIC CONTROL EQUIPMENT	987,078	887,078	100,000	-	100,000	24,216	14,078	61,706
30141100-541410	C1221	DESIGN SERVICES	943,300	794,459	75,000	73,841	148,841	12,936	47,991	87,915
30141100-542200	C1223	FLEET REPLACEMENT	1,469,452	1,091,468	195,000	182,984	377,984	74,737	292,956	10,291
30141100-541300	C1229	FACILITY ROOF REPLACEMENT			-	-	-		-	-
30141100-541200	C1302	TREE PLANTING & LANDSCAPING IMP	1,222,771	817,220	100,000	305,551	405,551	189,183	64,843	151,526
30141100-542100	C1802	PW EQUIPMENT REPLACEMENT	217,373	173,446	36,000	7,927	43,927	-	25,374	18,553
30141100-541410	C1901	TRAFFIC RESPONSIVE SYSTEM MAINT	450,001	299,856	100,000	50,145	150,145	43,353	106,367	425
30141100-541300	C1902	FIRE STATION RENOVATIONS	510,003	419,519	75,000	15,484	90,484	-	4,461	86,023
30141100-541300	C1904	PW HQ RENOVATIONS	178,037	121,982	50,000	6,055	56,055	-	-	56,055
30141100-541300	C1905	GYM RENOVATIONS	35,000	-	35,000	-	35,000	-	-	35,000
30141100-541410	C1918	PEDESTRIAN SAFETY STUDY	381,115	296,115	85,000	-	85,000	-	-	85,000
30141100-541410	C1935	WINDWARD PKWY WEST IMPROVEMENTS	305,753	203,977	-	101,776	101,776	1,540	100,235	1
30141100-541300	C2003	HVAC REPLACEMENTS	292,002	227,797	62,000	2,205	64,205	35,870	2,674	25,661
30141100-541300	C2004	GENERATOR REPLACEMENTS	295,075	187,197	-	107,878	107,878	-	101,830	6,048
30141100-542400	C2026	TCC HARDWARE/SOFTWARE	170,001	77,836	50,000	42,165	92,165	5,510	-	86,655

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
General Capital Project Fund Detail (Fund 301; life-to-date for active projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
30141100-541410	C2048	STREETLIGHT MAINTENANCE	269,079	104,108	80,000	84,971	164,971	27,728	30,604	106,640
30141100-541500	C2050	REC FACILITY MAINTENANCE	120,000	46,645	30,000	43,355	73,355	4,280	12,485	56,590
30141100-541300	C2053	PARKING GARAGE MAINTENANCE	145,351	36,582	100,000	8,769	108,769	1,775	-	106,994
30141100-541410	C2113	ENCORE GREENWAY GATEWAY	430,000	19,456	-	410,544	410,544	-	410,544	0
30141100-544200	C2200	CITY TRASH RECEPTACLE SERVICE	100,001	39,159	50,000	10,842	60,842	17,111	27,772	15,959
30141100-541410	C2209	SCRAMBLE INTERSECTION	27,248	-	-	27,248	27,248	-	27,248	1
30141100-541410	C2238	DAVIS DR WATER (COUNTY)	364,488	-	-	364,488	364,488	171,695	192,793	-
30141100-521200	C2242	NORTHPOINT ALPHALINK (ARC/LCI)	285,000	-	-	285,000	285,000	8,194	28,665	248,142
30141100-541420	C2305	ALPHALOOP (OMP - NORTHWINDS)	247,403	-	-	247,403	247,403	-	-	247,403
		subtotal			***$ 2,823,000***	***$ 4,452,200***	***$ 7,275,200***	***$ 920,429***	***$ 3,864,735***	***$ 2,490,036***
Recreation, Parks & Cultural Services										
30161150-541500	C0922	SYNTHETIC TURF REPLACEMENT	1,014,966	464,966	$ 550,000	$ -	$ 550,000	$ -	$ 492,610	$ 57,390
30161150-541200	C1210	TREE REMOVAL			150,000	-	150,000	147,560	2,440	-
30161150-541500	C1221	DESIGN SERVICES	214,224	186,473	20,000	7,751	27,751	5,292	3,800	18,659
30161150-541300	C1229	FACILITY ROOF REPAIR	494,741	-	700,000	(205,259)	494,741	-	494,741	-
30161150-542200	C1232	FLEET	352,578	72,130	120,000	160,448	280,448	33,523	126,925	120,000
30161150-542100	C1402	RP EQUIPMENT REPLACEMENT	799,218	699,218	100,000	-	100,000	24,561	28,871	46,568
30161150-541500	C1424	WILL PARK POOL EXPANSION	59,000	51,200	-	7,800	7,800	-	-	7,800
30161150-541500	C1520	WILLS PARK TENNIS CT RESURFACE	48,983	48,918	-	65	65	-	-	65
30113230-544200	C1527	VETERANS MEMORIAL	105,667	75,806	-	29,861	29,861	-	-	29,861
30161150-541500	C1614	THE STORIES PROJECT	85,000	31,065	35,000	18,935	53,935	-	-	53,935
30161150-541510	C1636	GREENWAY REPAIR AND MAINTENANCE	907,169	370,594	155,000	381,575	536,575	13,756	12,525	510,295
30161150-541500	C1804	PARK REPAIRS/IMPROVEMENTS	830,877	521,159	300,000	9,718	309,718	197,408	4,500	107,810
30161150-541500	C1806	PARKS PLAYGROUND EQUIPMENT	490,721	277,238	150,000	63,483	213,483	-	-	213,483
30161150-544100	C1807	PUBLIC ARTS PROGRAM	231,000	170,000	45,000	16,000	61,000	32,550	13,950	14,500
30161150-521200	C1926	NORTHSIDE MOU (PARKS)	11,400	-	-	11,400	11,400	-	11,400	-
30161150-541500	C1926	NORTHSIDE MOU (PARKS)	134,903	117,657	-	17,246	17,246	708	-	16,538
30161150-541500	C1929	COMMUNITY AGRICULTURE PROGRAM	53,249	35,170	-	18,079	18,079	6,233	11,600	246
30161150-541500	C2010	PARK ENHANCEMENTS	609,779	465,437	125,000	19,342	144,342	67,909	28,432	48,001
30161150-541500	C2030	TOWN GREEN IMPROVEMENTS	250,000	-	250,000	-	250,000	-	-	250,000
30161150-541500	C2031	INNOVATION ACADEMY IGA	250,000	249,638	-	362	362	354	-	8

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
General Capital Project Fund Detail (Fund 301; life-to-date for active projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
30161150-541500	C2051	FOUNTAIN MAINTENANCE	36,306	27,309	-	8,997	8,997	-	-	8,997
30161150-541500	C2202	ATHLETIC COURTS RESURFACING	98,433	58,433	40,000	-	40,000	-	9,935	30,065
30161150-541500	C2245	WILL PARK MAINTENANCE FACILITY	116,001	766	-	115,235	115,235	-	80,004	35,231
30161150-541500	C2248	CITY AGRICULTURE PLAN (FOOD WELL)	75,000	-	-	75,000	75,000	-	-	75,000
30161150-541500	C2304	PARK WOOD POLE REPLACEMENT	200,000	-	200,000	-	200,000	-	-	200,000
		subtotal			***$ 2,940,000***	***$ 756,038***	***$ 3,696,038***	***$ 529,854***	***$ 1,321,733***	***$ 1,844,451***
Community Development										
30174150-544100	C0019	DOWNTOWN PARKING FUND	576,749	297,748	$ -	$ 279,001	$ 279,001	$ -	$ -	$ 279,001
30174150-544100	C0924	ECONOMIC DEVELOPMENT PLAN	107,640	62,500	-	45,140	45,140	5,000	40,140	-
30174150-544200	C1300	CITY ECON DEVELOPMENT TOOLKIT	263,260	202,010	-	61,250	61,250	-	-	61,250
30174150-542200	C1433	FLEET REPLACEMENT	60,000	-	60,000	-	60,000	30,565	-	29,435
30174150-541410	C1603	DESIGN SERVICES	476,003	376,257	40,000	59,746	99,746	18,062	23,274	58,409
30174150-541410	C2107	NORTH POINT PARKWAY IMPROVEMENTS	78,500	52,670	-	25,830	25,830	19,209	6,621	0
30174150-542400	C2111	COMMUNITY DEVELOPMENT EQUIPMENT	21,000	7,993	-	13,007	13,007	-	-	13,007
30174150-521200	C2114	S MAIN ST ARC STUDY	40,000	13,600	-	26,400	26,400	8,800	17,600	-
30174150-521200	C2307	WINDWARD-HWY9 MASTER PLAN MOU	60,000	-	-	60,000	60,000	-	-	60,000
		subtotal			***$ 100,000***	***$ 570,374***	***$ 670,374***	***$ 81,636***	***$ 87,635***	***$ 501,103***
Non-Departmental										
30190200-579000		NON-ALLOCATED			$ 2,645,490	$ (366,368)	$ 2,279,122	$ -	$ -	$ 2,279,122
30190200-579011		GRANTS UNDER REVIEW			-	-	-	-	-	-
		subtotal			***$ 2,645,490***	***$ (366,368)***	***$ 2,279,122***	***$ -***	***$ -***	***$ 2,279,122***
		Total			**$ 14,094,800**	**$ 7,753,073**	**$ 21,847,873**	**$ 1,740,008**	**$ 9,000,703**	**11,107,162**

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
Stormwater Capital Fund Detail (Fund 302; life-to-date for all projects)
As of October 31, 2022

Account #	Project	Project Snapshot: FY2017 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue									
Public Works									
30241100-371000	DONATION FROM PRIVATE SOURCE			$ -	$ 4,496	$ 4,496	$ 4,496		$ 0
	subtotal			***$ -***	***$ 4,496***	***$ 4,496***	***$ 4,496***		***$ 0***
Non-Departmental									
30290200-361000	INTEREST EARNINGS			$ -	$ -	$ -	$ 15,474		$ (15,474)
30290200-363000	UNREALIZED GAIN/LOSS INV			-	-	-	(22,300)		22,300
30290200-391100	TRANSFER IN/GENERAL FUND MATCH			4,200,000	-	4,200,000	1,400,000		2,800,000
30290200-395000	CARRYFORWARD FUND BALANCE			-	1,716,691	1,716,691	-		1,716,691
	subtotal			***$ 4,200,000***	***$ 1,716,691***	***$ 5,916,691***	***$ 1,393,174***		***$ 4,523,517***
	Total			**$ 4,200,000**	**$ 1,721,187**	**$ 5,921,187**	**$ 1,397,670**		**$ 4,523,517**
Expenditures									
Public Works									
30241100-541430 C1216	SW DRAINAGE MAINTENANCE	1,006,403	629,910	$ 150,000	$ 226,493	$ 376,493	$ 23,825	$ 31,160	$ 321,508
30241100-541430 C1308	SW PIPE & STRUCTURE R&M	11,429,215	6,438,340	3,930,000	1,060,875	4,990,875	115,084	1,134,028	3,741,763
30241100-541430 C1503	STORMWATER STUDIES	500,001	323,580	-	176,421	176,421	-	20,200	156,221
30241100-541430 C1604	STORMWATER INSPECTIONS	664,055	458,720	120,000	85,335	205,335	3,628	80,017	121,690
30241100-541430 C2208	MEADOW BROOK HILLS DRAINAGE	250,000	150,800	-	99,200	99,200	61,525	23,200	14,475
	subtotal			***$ 4,200,000***	***$ 1,648,324***	***$ 5,848,324***	***$ 204,062***	***$ 1,288,605***	***$ 4,355,657***
Non-Departmental									
30290200-579000	NON-ALLOCATED			$ -	$ 72,863	$ 72,863	$ -	$ -	$ 72,863
	subtotal			***$ -***	***$ 72,863***	***$ 72,863***	***$ -***	***$ -***	***$ 72,863***
	Total			**$ 4,200,000**	**$ 1,721,187**	**$ 5,921,187**	**$ 204,062**	**$ 1,288,605**	**$ 4,428,520**

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
American Rescue Act Fund Detail (Fund 303; life-to-date for all projects)
As of October 31, 2022

Account #	Project	Project Snapshot: FY2017 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue									
General Government									
30390200-331350	FEDERAL GRANT	-	2,445,511	$ -	$ -	$ -	$ -		$ -
30390200-395000	CARRYFORWARD FUND BALANCE			-	4,199,000	4,199,000	191,471		4,007,529
	Total			**$ -**	**$ 4,199,000**	**$ 4,199,000**	**$ 191,471**		**$ 4,007,529**
Expenditures									
Public Works									
30341100-541410 C1219	MILLING & RESURFACING	1,176,000	1,175,955	$ -	$ 45	$ 45	$ 4	$ -	$ 41
30341100-541430 C1308	PIPE/STORM STRUCTURE REPLACEMENT	2,144,510	939,002	-	1,205,508	1,205,508	2,330	1,203,178	-
30341100-541420 C1801	SIDEWALK MAINTENANCE/REPAIR	1,324,001	269,139	-	1,054,862	1,054,862	188,583	88,868	777,411
	subtotal			***$ -***	***$ 2,260,415***	***$ 2,260,415***	***$ 190,917***	***$ 1,292,046***	***$ 777,452***
Recreation, Parks & Cultural Services									
30361150-541500 C1636	GREENWAY REPAIR/MAINTENANCE	2,000,000.00	61,415	$ -	$ 1,938,585	$ 1,938,585	$ 554	$ 24,996	$ 1,913,035
	subtotal			***$ -***	***$ 1,938,585***	***$ 1,938,585***	***$ 554***	***$ 24,996***	***$ 1,913,035***
	Total			**$ -**	**$ 4,199,000**	**$ 4,199,000**	**$ 191,471**	**$ 1,317,042**	**$ 2,690,487**

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
2016 Parks and Transportation Bond Fund Detail (Fund 317; life-to-date for all projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2017 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue										
Non-Departmental										
31790200-395000		CARRYFORWARD FUND BALANCE			$ -	$ 190,370	$ 190,370	$ -		$ 190,370
31790200-389000		MISCELLANEOUS REVENUE			-	108,000	108,000	-		108,000
31790200-361000		INTEREST EARNINGS			-	-	-	11,005		(11,005)
		subtotal			***$ -***	***$ 298,370***	***$ 298,370***	***$ 11,005***		***$ 287,365***
		Total			**$ -**	**$ 298,370**	**$ 298,370**	**$ 11,005**		**$ 287,365**
Expenditures										
31741100-541410	C1410	RUCKER RD CORRIDOR	14,651,644	14,651,644	$ -	$ -	$ -	$ -	$ -	$ -
31741100-541410	C1631	MCGINNIS RD IGA (FORSYTH)	3,773,587	3,773,587	-	-	-	-	-	-
31741100-541410	C1702	KIMBALL BR RD IMPROVEMENTS	9,872,926	9,872,926	-	-	-	-	-	-
31741100-541420	C1712	ALPHALOOP	449,253	359,043	-	90,210	90,210	45,438	44,772	0
31741100-541420	C1715	BETHANY/MAYFIELD ROUNDABOUT	299,137	299,137	-	-	-	-	-	-
31741100-541420	C1826	SPRUELL CIRCLE SIDEWALK	308,628	308,128	-	500	500	-	-	500
31741100-541420	C1829	PROVIDENCE AREA SIDEWALKS	920,441	920,441	-	-	-	-	-	-
31741100-541420	C1925	MORRISON PARKWAY SIDEWALKS	921,718	921,718	-	-	-	-	-	-
31741100-541420	C2305	ALPHALOOP (OMP - NORTHWINDS)	150,749	-	-	150,749	150,749	150,749	-	-
31761150-541300	C1708	GREENWAY EXT TO FORSYTH	9,842,189	9,837,210	-	4,979	4,979	-	-	4,979
31761150-541300	C1709	EASTSIDE COMMUNITY CTR	2,553,436	2,519,186	-	34,250	34,250	-	34,250	-
31741100-579000		PW RESERVE	-	-	-	-	-	-	-	-
31761150-579000		PARKS RESERVE	17,682	-	-	17,682	17,682	-	-	17,682
		Total			**$ -**	**$ 298,370**	**$ 298,370**	**$ 196,187**	**$ 79,022**	**$ 23,161**

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
2022 Parks Bond Fund Detail (Fund 318; life-to-date for all projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2017 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue										
Non-Departmental										
31890200-361000		INTEREST EARNINGS			$ -	$ -	$ -	$ 220,821		$ (220,821)
3180200-393310		BOND PROCEEDS			-	-	-	-		-
31890200-393400		BOND PREMIUM				28,908,660	28,908,660	-		28,908,660
31890200-395000		CARRYFORWARD FUND BALANCE			-	367,339	367,339	-		367,339
		subtotal			***$ -***	***$ 29,275,999***	***$ 29,275,999***	***$ 220,821***		***$ 29,055,178***
		Total			**$ -**	**$ 29,275,999**	**$ 29,275,999**	**$ 220,821**		**$ 29,055,178**
Expenditures										
31841100-541420	C1712	ALPHALOOP	7,500,000	-	$ -	$ 7,500,000	$ 7,500,000	$ -	$ -	$ 7,500,000
31861150-541500	C0922	SYNTHETIC TURF	1,000,000	23,990	-	976,010	976,010	-	-	976,010
31861150-541500	C1911	EQUESTRIAN CENTER (CITY)	5,000,000	11,664	-	4,988,336	4,988,336	64,634	4,700	4,919,002
31861150-541500	C2011	WILLS PARK MASTER PLAN IMP	5,671,367	125,098	-	5,546,269	5,546,269	21,890	6,270	5,518,109
31861150-541500	C2216	UNION HILL PARK	3,250,001	25,753	-	3,224,248	3,224,248	-	336,500	2,887,748
31861150-541500	C2217	MID-BROADWELL PARK	500,001	47,538	-	452,463	452,463	2,475	-	449,988
31861150-541500	C2218	OLD RUCKER PARK	3,000,000	20,170	-	2,979,830	2,979,830	10,715	347,185	2,621,930
31861150-541500	C2219	FARMHOUSE PARK	2,000,000	16,720	-	1,983,280	1,983,280	-	13,850	1,969,430
31861150-541500	C2220	WATERS ROAD PARK	1,250,001	15,127	-	1,234,874	1,234,874	1,861	779	1,232,234
31861150-541500	C2245	WILLS PARK MAINTENANCE FACIL	328,634	-	-	328,634	328,634	50,000	278,634	-
31890200-579000		PARKS RESERVE	62,055	-	-	62,055	62,055	-	-	62,055
31890200-584000		DEBT ISSUANCE COSTS	368,549	368,549	-	-	-	-	-	-
		Total			**$ -**	**$ 29,275,999**	**$ 29,275,999**	**$ 151,575**	**$ 987,918**	**$ 28,136,506**

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
TSPLOST I Fund Detail (Fund 335; life-to-date for all projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2017 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue										
Non-Departmental										
33590200-395000		CARRYFORWARD FUND BALANCE			$ 4,300,000	$ 37,289,778	$ 41,589,778			$ 41,589,778
33541100-361000		INTEREST EARNINGS			-	-	-	322,538		(322,538)
		Total			**$ 4,300,000**	**$ 37,289,778**	**$ 41,589,778**	**$ 322,538**		**$ 41,267,240**
Expenditures										
33541100-541410	C1219	MILLING AND RESURFACING	2,000,000	-	$ 2,000,000	$ -	$ 2,000,000	$ -	$ 2,000,000	$ -
33541100-541410	C1631	MCGINNIS RD IGA (FORSYTH)	5,026,414	140,756	-	4,885,658	4,885,658	52,000	-	4,833,658
33541100-541410	C1713	KIMBALL BR RD OP IMPROVEMENTS	1,359,742	1,119,002	-	240,740	240,740	-	233,749	6,991
33541100-541410	C1717	OLD MILTON PKWY CAPACITY IMP	5,579,474	1,924,663	-	3,654,811	3,654,811	27,756	1,627,053	2,000,001
33541100-541410	C1800	HAYNES BRIDGE RD IMP	197,826	187,598	-	10,228	10,228	-	10,228	0
33541100-541410	C1933	WEBB BRIDGE RD (DESIGN-PROJ. MGMT., ETC.)	876,389	860,986	-	15,403	15,403	-	15,402	1
33541100-541410	C1934	WINDWARD PKWY EAST IMPROVEMENTS	1,614,835	1,263,692	-	351,143	351,143	164,297	186,846	-
33541100-541410	C2054	GA 400 BRIDGES (WEBB; KIMBALL)	4,886,001	737,429	-	4,148,572	4,148,572	-	4,148,571	1
33541100-541410	C2104	WEBB BR RD PHASE 4 (NPP TO GREENWAY)	692,509	676,585	-	15,924	15,924	14,772	1,151	1
33541100-541410	C2113	ENCORE GREENWAY GATEWAY	2,573,000	230,000	2,300,000	43,000	2,343,000	-	43,000	2,300,000
33541100-541410	C2211	WEBB BRIDGE RD PHASE 1 (WESTWIND TO GREENWAY)	874,801	725,037	-	149,764	149,764	-	-	149,764
33541100-541410	C2229	WEBB BRIDGE RD PHASE 2 (ROUNDABOUT-PARK)	6,000,000	54,157	-	5,945,843	5,945,843	171,544	66,392	5,707,907
33541100-541410	C2232	WEBB BRIDGE RD PHASE 3 (GREENWAY-ROUNDABOUT)	17,000,000	33,550	-	16,966,450	16,966,450	389,989	-	16,576,461
3541100-541420	C2305	ALPHALOOP-(OMP - NORTHWINDS	825,000	-	-	825,000	825,000	-	825,000	-
33590200-579000		CONTINGENCY			-	37,242	37,242	-	-	37,242
		Total			**$ 4,300,000**	**$ 37,289,778**	**$ 41,589,778**	**$ 820,359**	**$ 9,157,392**	**$ 31,612,027**

CITY OF ALPHARETTA

Financial Management Reports
Capital Project Funds
TSPLOST II Fund Detail (Fund 336; life-to-date for all projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2017 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue										
Non-Departmental										
33690200-313400		TSPLOST II			$ -	$ 48,335,327	$ 48,335,327	$ 3,671,163		$ 44,664,164
33641100-361000		INTEREST EARNINGS			-	-	-	29,207		(29,207)
33690200-395000		CARRYFORWARD FUND BALANCE			-	3,648,408	3,648,408	-		3,648,408
		Total			**$ -**	**$ 51,983,735**	**$ 51,983,735**	**$ 3,700,370**		**$ 48,283,365**
Expenditures										
33641100-541410	C2040	TRADEWINDS PARKWAY	6,500,000	2,400	$ -	$ 6,497,600	$ 6,497,600	$ 1,265	$ -	$ 6,496,335
33641100-541410	C2104	WEBB BRIDGE ROAD (NPP-GREENWAY)	13,000,000	13,873	-	12,986,127	12,986,127	104,008	23,450	12,858,669
33641100-541410	C2107	NORTH POINT PARKWAY IMP	10,000,000	-	-	10,000,000	10,000,000	-	738,300	9,261,700
33641100-541410	C2221	CROSSWALK (ALPHARETTA ELEM)	113,037	18,537	-	94,500	94,500	76,890	17,610	-
33641100-541410	C2222	CROSSWALK (MANNING OAKS ELEM)	74,263	18,537	-	55,726	55,726	-	-	55,726
33641100-541410	C2223	CROSSING (92 MILTON GARAGE)	212,300	-	-	212,300	212,300	-	212,300	-
33641100-541410	C2224	RAISED INTSECTION (MARIETTA ST)	350,001	1,525	-	348,476	348,476	-	14,675	333,801
33641100-541410	C2225	CROSSINGS (CITY CTR/CHURCHES)	750,000	1,161	-	748,839	748,839	-	15,039	733,800
33641100-541410	C2226	PEDESTRIAN BRIDGES (WW PKWY)	4,000,000	12,349	-	3,987,651	3,987,651	36,547	593,777	3,357,326
33641100-541410	C2227	CROSSWALK (COGBURN PARK)	149,401	-	-	149,401	149,401	-	149,401	0
33641100-541410	C2228	CROSWALK (CHARLOTTE DR)	146,000	-	-	146,000	146,000	109,161	36,839	-
33641100-541410	C2230	CUMMING ST CORRIDOR	4,757,526	-	-	4,757,526	4,757,526	-	-	4,757,526
33641100-541420	C2305	ALPHALOOP (OMP - NORTHWINDS)	12,000,000	411	-	11,999,589	11,999,589	38,400	11,565,839	395,350
		Total			**$ -**	**$ 51,983,735**	**$ 51,983,735**	**$ 366,271**	**$ 13,367,230**	**$ 38,250,234**

CITY OF ALPHARETTA

Financial Management Reports
Special Revenue Funds
Impact Fee Fund (Fund 270; life-to-date for active projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue										
27074110-341321		IMPACT FEES STREETS & HIGHWAYS			$ -	$ 200,000	$ 200,000	$ 75,260		$ 124,740
27074110-341323		IMPACT FEES RECREATION & PARKS			350,000	34,089	384,089	124,206		259,883
27074110-341324		IMPACT FEES PUBLIC SAFETY			-	-	-	6,911		(6,911)
27074110-395000		CARRYFORWARD FUND BALANCE			1,668,690	3,234,586	4,903,276	-		4,903,276
27074110-363000		UNREALIZED GAIN/LOSS			-	-	-	(41,376)		41,376
27074110-361000		INTEREST EARNINGS			-	-	-	30,227		(30,227)
		Total			**$ 2,018,690**	**$ 3,468,675**	**$ 5,487,365**	**$ 195,228**		**$ 5,292,137**
Expenditures										
Public Safety										
27031150-544200	C2206	RAPID RESCUE TRUCK	124,600	124,100	$ -	$ 500	$ 500		$ -	$ 500
27031150-542100	C2302	ALL TERRAIN VEHICLES	18,690	-	18,690	-	18,690	-	18,690	-
		subtotal			***$ 18,690***	***$ 500***	***$ 19,190***	***$ -***	***$ 18,690***	***$ 500***
Public Works										
27041100-541410	C1410	RUCKER RD CORRIDOR	1,002,553	857,003	$ -	$ 145,550	145,550		$ 145,550	$ 0
27041100-541410	C1723	TEASLEY ST IMPROVEMENTS	56,925	38,125	-	18,800	18,800		-	18,800
27041100-541410	C2107	NORTH POINT PARKWAY IMPROVEMENTS	1,250,000	-	-	1,250,000	1,250,000		-	1,250,000
27041100-541420	C2305	ALPHALOOP (OMP - NORTHWINDS)	1,540,000	-	-	1,540,000	1,540,000	75,347	1,464,653	-
		subtotal			***$ -***	***$ 2,954,350***	***$ 2,954,350***	***$ 75,347***	***$ 1,610,203***	***$ 1,268,800***
Recreation, Parks & Cultural Services										
27061150-541500	C2011	WILLS PARK MASTER PLAN	328,634	-	$ -	$ 328,634	$ 328,634		$ 21,930	$ 306,704
27061150-541410	C2113	ENCORE GREENWAY GATEWAY	2,000,000	-	2,000,000	-	2,000,000	27,480	-	1,972,520
		subtotal			***$ 2,000,000***	***$ 328,634***	***$ 2,328,634***	***$ 27,480***	***$ 21,930***	***$ 2,279,224***

CITY OF ALPHARETTA

Financial Management Reports
Special Revenue Funds
Impact Fee Fund (Fund 270; life-to-date for active projects)
As of October 31, 2022

Account #	Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Project Snapshot: FY2013 - FY2022 Prior Year Actuals	FY 2023 Original Appropriation	FY 2023 Transfers / Adjustments	FY 2023 Revised Budget	FY 2023 Collections / Expenditures	FY 2023 Encumbrances	Available Budget
Non-Departmental									
27074110-521200	PROFESSIONAL SERVICES			$ -	$ 66,720	$ 66,720		$ 66,720	$ -
27074110-579001	NON-ALLOCATED STREETS & HIGHWAYS			-	1,016	1,016	-	-	1,016
27074110-579002	NON-ALLOCATED RECREATION & PARKS			-	-	-	-	-	-
27074110-579003	NON-ALLOCATED PUBLIC SAFETY			-	117,455	117,455	-	-	117,455
27041100-579011	MATCH (GRANTS UNDER REVIEW)			-	-	-	-	-	-
	subtotal			***$ -***	***$ 185,191***	***$ 185,191***	***$ -***	***$ 66,720***	***$ 118,471***
	Total			**$ 2,018,690**	**$ 3,468,675**	**$ 5,487,365**	**$ 102,827**	**$ 1,717,543**	**$ 3,666,995**

CITY OF ALPHARETTA

Financial Management Reports
Special Revenue Funds
Hotel/Motel Fund (Fund 275; life-to-date for active projects)
As of October 31, 2022

Account #		Project	Project Snapshot: FY2013 - FY2022 Total Project Authorization	Prior Year Actuals	FY 2023 Original Appropriation	Transfers / Adjustments	Revised Budget	Collections / Expenditures	Encumbrances	Available Budget
Revenue										
27590150-314100		HOTEL/MOTEL TAXES			$ 7,500,000	$ -	$ 7,500,000	$ 2,442,433		$ 5,057,567
27590150-363000		UNREALIZED GAIN/LOSS			-	-	-	(12,500)		12,500
27590150-361000		INTEREST EARNINGS			-	-	-	8,992		(8,992)
		subtotal			***$ 7,500,000***	***$ -***	***$ 7,500,000***	***$ 2,438,925***		***$ 5,061,075***
Non-Departmental										
27590150-395000		CARRYFORWARD FUND BALANCE			$ -	$ 1,143,172	$ 1,143,172	$ -		$ 1,143,172
		subtotal			***$ -***	***$ 1,143,172***	***$ 1,143,172***	***$ -***		***$ 1,143,172***
		Total			**$ 7,500,000**	**$ 1,143,172**	**$ 8,643,172**	**$ 2,438,925**		**$ 6,204,247**
Expenditures										
Alpharetta Convention & Visitors Bureau										
27590150-572002		ALPHA CONV & VISITORS BUREAU DISTRIBUTION	29,944,535	26,663,285	$ 3,281,250	$ -	$ 3,281,250	$ 741,503	$ -	$ 2,539,747
		subtotal			***$ 3,281,250***	***$ -***	***$ 3,281,250***	***$ 741,503***	***$ -***	***$ 2,539,747***
City/Other										
27590150-521200		PROFESSIONAL SERVICES	35,655	30,155	$ 5,500	$ -	$ 5,500	$ 2,915	$ -	$ 2,585
27590150-579006		DEBT SERVICE RESERVE	586,022	-	35,537	550,485	586,022		-	586,022
27590150-611100		CITY OF ALPHARETTA DISTRIBUTION	26,063,456	23,250,956	2,812,500	-	2,812,500	637,574	-	2,174,926
		subtotal			***$ 2,853,537***	***$ 550,485***	***$ 3,404,022***	***$ 640,489***	***$ -***	***$ 2,763,533***
Tourism Product Development										
27590150-541500	C1911	EQUESTRIAN CENTER	38,739	38,739	$ -	$ -	$ -		$ -	$ -
27590450-541500	C2011	WILLS PARK MASTER PLAN	751,891	468,574	-	283,317	283,317	204,357	71,691	7,270
27590150-541500	C2245	WILLS PRK MAINTENANCE FACILITY	309,370	-	-	309,370	309,370		309,369	1
27590151-581100	D1600	PRINCIPAL (2016 CONF CTR BOND)	2,185,000	1,535,000	650,000	-	650,000		-	650,000
27590151-582100	D1600	INTEREST PAYMENT (2016 CONF CTR BOND)	5,343,655	4,628,442	715,213	-	715,213	357,606	-	357,607
		subtotal			***$ 1,365,213***	***$ 592,687***	***$ 1,957,900***	***$ 561,963***	***$ 381,060***	***$ 1,014,877***
		Total			**$ 7,500,000**	**$ 1,143,172**	**$ 8,643,172**	**$ 1,943,955**	**$ 381,060**	**$ 6,318,157**



OTHER REPORTS

CITY OF ALPHARETTA

Financial Management Reports

Listing of Payments $5,000 and greater

for the month ended October 31, 2022

Vendor	Description	Department	$ Amount
A. B. GYMNASTICS LLC	INSTRUCTORS, CLASSES FOR THE PUBLIC	Rec., Parks & Cultural Services	$ 12,628.50
ACOMFORT BY DESIGN	HVAC REPLACEMENTS	Public Works	$ 35,870.17
ACOMFORT BY DESIGN	HVAC SERVICE	Public Works	$ 8,707.60
ALLAN VIGIL FORD	TRUCKS (INCLUDING, DIESEL, GAS)	Rec., Parks & Cultural Services	$ 33,523.00
ALLIED PAVING	PAVING/RESURFACING, STREET (MAJOR AND RESIDENTIAL)	Public Works	$ 121,942.20
ALLIED WASTE SERVICE	WASTE MANAGEMENT SERVICES	Finance	$ 12,392.77
ALLIED WASTE SERVICE	WASTE MANAGEMENT SERVICES	Finance	$ 406,220.42
ALLIED WASTE SERVICE	WASTE SERVICE	Various Departments	$ 9,403.69
ALPHARETTA CHAMBER OF COMMERCE	DOWNTOWN ALPHARETTA DISTRICT INITIATIVE PAYMENT 2	Development Authority	$ 20,000.00
AMERICAN FACILITY	JANITORIAL/CUSTODIAL SERVICES	Various Departments	$ 33,687.50
ARTS ALPHARETTA	ARTS SERVICES (CULTURAL, DESIGN, VISUAL, ETC.)	Rec., Parks & Cultural Services	$ 32,550.00
AT&T/BELLSOUTH @ 85	COMMUNICATIONS	Public Safety	$ 19,032.80
ATKINS NORTH AMERICA	PROJECT MANAGEMENT SERVICES	Public Works	$ 7,676.14
ATKINS NORTH AMERICA	PROJECT MANAGEMENT SERVICES	Various Departments	$ 9,877.07
ATLANTA BUSINESS CHRONICLE	ADVERTISING	Community Development	$ 8,250.00
ATLANTA TENT RENTALS	WIRE & WOOD	Rec., Parks & Cultural Services	$ 5,810.00
BENNETT FIRE PRODUCT	FIRE PROTECTION CLOTHING	Public Safety	$ 7,335.00
BENNETT FIRE PRODUCT	FIRE PROTECTION CLOTHING	Public Safety	$ 9,780.00
BNY MELLON	INTEREST (GTECH SERIES 2013)	General Government	$ 41,820.00
BNY MELLON	INTEREST (2016 CONF CTR)	General Government	$ 357,606.25
BNY MELLON	INTEREST (GO SERIES 2014R)	General Government	$ 84,064.50
BNY MELLON	BOND INTEREST (2016 GO BOND)	General Government	$ 717,593.75
BNY MELLON	INTEREST (GO 2020 REFUNDING)	General Government	$ 433,375.00
BNY MELLON	INTEREST (GO 2022 BOND)	General Government	$ 640,506.52
BUTCH THOMPSON	CLAIMS (PROPERTY/EQUIP)	Risk Management	$ 60,898.10
BUTCH THOMPSON	CONSTRUCTION, CURB AND GUTTER (INCLUDES MAINTENANC	Public Works	$ 44,189.45
CAMBRIDGE INVESTMENT	CONSULTING FEE BENEFITS AND WELLNESS	Finance	$ 8,157.14
CAPITAL CITY ELECTRICAL SERVICES, LLC	STREET LIGHT MAINTENANCE AND REPAIR	Public Works	$ 6,172.60
CARL BLACK BUICK GMC	VEHICLE REPAIR & MAINTENANCE	Public Safety	$ 24,142.50
CARL BLACK BUICK GMC	VEHICLE REPAIR & MAINTENANCE	Public Safety	$ 18,248.54
CARL BLACK BUICK GMC	VEHICLE REPAIR & MAINTENANCE	Public Safety	$ 6,101.67

CITY OF ALPHARETTA

Financial Management Reports

Listing of Payments $5,000 and greater

for the month ended October 31, 2022

Vendor	Description	Department	$ Amount
CASE SYSTEMS INC	EMERGENCY RADIO/TELEPHONE SYSTEMS	Rec., Parks & Cultural Services	$ 24,560.55
CITY OF MILTON	LEASE-COURTROOM IGA-OCTOBER 2022	Municipal Court	$ 6,775.00
CITY OF ROSWELL	FIREMAN TRAINING AND INSTRUCTIONAL AIDS AND MATERIALS	Public Safety	$ 50,018.06
COLUMBIA ENGINEERING	NORTH POINT PKWY IMP	Community Development	$ 10,633.25
COLUMBIA ENGINEERING	OLD RUCKER PARK DESIGNING SERVICES	Rec., Parks & Cultural Services	$ 10,715.00
CRABAPPLE TURF	ROADSIDE, GROUNDS, RECREATIONAL AND PARK AREA SERVICES	Rec., Parks & Cultural Services	$ 18,592.60
CRABAPPLE TURF	MAINTENANCE CONTRACTS AND EQUESTRIAN CENTER SERVICES	Rec., Parks & Cultural Services	$ 26,609.60
DATA MEDIA ASSOCIATE	STATEMENTS	Finance	$ 20,065.48
DC POOL SERVICE LLC.	SWIMMING POOL MANAGEMENT AND OPERATION	Rec., Parks & Cultural Services	$ 7,345.00
ESIS INC	CLAIMS (WORKERS COMP)	Risk Management	$ 13,556.36
EXCELLERE CONSTRUCTION	CROSSWALK (CHARLOTTE DR)	Public Works	$ 109,160.76
EXCELLERE CONSTRUCTION	SIDEWALK MAINT/REPAIR & RETAINAGE PAYABLE	Public Works	$ 143,654.71
FIVE OAKS FENCE COMP	FENCE INSTALLATION, MAINTENANCE AND REPAIR	Rec., Parks & Cultural Services	$ 6,462.50
FIVE OAKS FENCE COMPANY INC	FENCE INSTALLATION, MAINTENANCE AND REPAIR	Rec., Parks & Cultural Services	$ 6,976.00
FULTON COUNTY BOARD 7342	STATE REPORTS-LVAP FUND DISBURSEMENTS	Public Safety	$ 10,390.75
FULTON COUNTY BOARD OF EDUCATION	FUEL BILL SEPT 2022	General Government	$ 46,180.40
FULTON COUNTY CLERK OF SUPERIOR COURT	ENCORE GREENWAY GATEWAY	Rec., Parks & Cultural Services	$ 27,480.00
FULTON COUNTY-DEPT OF FINANCE	WATER AND SEWER UTILITIES	Rec., Parks & Cultural Services	$ 7,558.73
FULTON COUNTY-DEPT OF FINANCE	WATER AND SEWER UTILITIES	Various Departments	$ 11,847.15
GEORGIA FIRE & RESCUE SUPPLY LLC	CAMERAS, STILL, NON-SPECIALIZED	Public Safety	$ 49,990.00
GEORGIA GREEN	GROUNDS MAINTENANCE: MOWING, EDGING, PLANT	Public Works	$ 15,065.83
GEORGIA POWER CO	ELECTRICITY UTILITIES	Various Departments	$ 181,086.19
GEORGIA SUPERIOR COURT CLERK'S	STATE REPORTS	Public Safety	$ 42,939.80
GEVEKO MARKINGS INC	STRIPING & SIGNAGE	Public Works	$ 6,818.00
GLOBAL EQUIPMENT CO	CONTAINERS: BARRELS, DRUMS, ETC.	Rec., Parks & Cultural Services	$ 13,045.00
GREENTREE SHAVINGS	EQUESTRIAN BEDDING (ALL TYPES)	Rec., Parks & Cultural Services	$ 5,430.60
INTEGRATED CONSTRUCTION	ALPHALOOP (OMP-NORTHWINDS)	Public Works	$ 213,746.21
J.G. LEONE ENTERPRIS	PARK AREA CONSTRUCTION/RENOVATION	General Government	$ 204,356.90
JARRARD & DAVIS	SEPTEMBER 2022 REPRESENTATION	Legal Services	$ 107,327.80
KIMLEY-HORN & ASSOCIATES	LAND DEVELOPMENT AND PLANNING/ENGINEERING	Community Development	$ 6,573.08
KIMLEY-HORN & ASSOCIATES	ANALYTICAL STUDIES AND SURVEYS (CONSULTING)	Community Development	$ 27,615.00

CITY OF ALPHARETTA

Financial Management Reports

Listing of Payments $5,000 and greater

for the month ended October 31, 2022

Vendor	Description	Department	$ Amount
LD GYMNASTICS INC	INSTRUCTORS, CLASSES FOR THE PUBLIC	Rec., Parks & Cultural Services	$ 28,149.75
MAULDIN & JENKINS	ACCOUNTING/AUDITING/BUDGET CONSULTING	Finance	$ 30,000.00
MEER ELECTRIC	ELECTRICAL AND HVAC SERVICES	Various Departments	$ 10,204.06
MEER ELECTRIC	ELECTRICAL SERVICE	Rec., Parks & Cultural Services	$ 6,301.92
MEER ELECTRIC	ELECTRICAL SERVICES	Rec., Parks & Cultural Services	$ 7,762.80
MEER ELECTRIC	ELECTRICAL SERVICES	Various Departments	$ 24,181.29
MERIDIAN RAPID DEFENCE	TRAFFIC CONES, LANE MARKERS, AND BARRICADES	Rec., Parks & Cultural Services	$ 5,400.00
MERIDIAN RAPID DEFENCE	TRAFFIC CONES, LANE MARKERS, AND BARRICADES	Rec., Parks & Cultural Services	$ 9,200.00
MOFFATT & NICHOL	PEDESTRIAN BRIDGES (WW PKWY) DESIGN SERVICES	Public Works	$ 31,597.97
NATIONAL OFFICE FURNITURE	FURNITURE: OFFICE	Rec., Parks & Cultural Services	$ 5,559.87
NEWCASTLE PROPERTIES	DEPOSITS PAYABLE REFUND	General Government	$ 33,100.00
NORTH FULTON COMMUNITY IMP. DISTRICT	CONSTRUCTION, WATER SYSTEM/PLANTS, MAINTENANCE AND SERVICING	Public Works	$ 171,695.00
NORTH FULTON REGIONAL RADIO SYS. AUTH.	RADIO FREQUENCY ACCESS SERVICES	Various Departments	$ 118,920.25
PEACE OFFICER'S ANNUITY & BENEFIT FUND OF GA	STATE REPORTS	Public Safety	$ 21,105.50
POPE & LAND NORTHWIND	ALPHALOOP (OMP-NORTHWINDS)	Public Works	$ 30,000.00
PREMIER EVENTS LLC	EVENT PLANNING SERVICES	Rec., Parks & Cultural Services	$ 14,750.00
PRIME CONTRACTORS	WILLS PARK MAINT FACILITY CONSTRUCTION	Rec., Parks & Cultural Services	$ 50,000.00
RCS PRODUCTIONS	EVENT PLANNING SERVICES	Rec., Parks & Cultural Services	$ 63,525.00
RCS PRODUCTIONS	EVENT PLANNING SERVICES	Rec., Parks & Cultural Services	$ 9,600.00
REEP RTL NPM GA LLC	CURRENT YEAR PROPERTY TAXES	General Government	$ 20,930.50
RHYTHM N SHOES LLC	INSTRUCTORS, CLASSES FOR THE PUBLIC	Rec., Parks & Cultural Services	$ 6,162.00
RUPPERT LANDSCAPE	LANDSCAPING (INCLUDING DESIGN)	Public Works	$ 7,081.08
RUSSELL LANDSCAPE	GROUNDS MAINTENANCE: MOWING, EDGING, PLANTING	Public Works	$ 58,437.41
SAVATREE LLC	TREE AND SHRUB REMOVAL SERVICES	Rec., Parks & Cultural Services	$ 44,330.00
SAWNEE ELECTRIC MEMBERSHIP	ELECTRICITY UTILITIES	Various Departments	$ 34,127.63
SHI INTERNATIONAL CO	MICROSOFT AZURE CLOUD SERVICES	Various Departments	$ 22,242.39
SMITH WELCH WEBB & WHITE, LLC	LEGAL SERVICES	Legal Services	$ 8,957.40
SOL CONSTRUCTION LLC	GENERAL CONSTRUCTION: MANAGEMENT	Public Works	$ 24,198.50
SOUTHEASTERN REFEREE	INSTRUCTORS, CLASSES FOR THE PUBLIC	Rec., Parks & Cultural Services	$ 5,887.00
SPYGLASS GROUP LLC	AUDITING	Various Departments	$ 6,000.00
STARR WHITEHOUSE	LAND DEVELOPMENT AND PLANNING/ENGINEERING FOR ALPHALOOP	Public Works	$ 17,367.00

CITY OF ALPHARETTA

Financial Management Reports

Listing of Payments $5,000 and greater

for the month ended October 31, 2022

Vendor	Description	Department	$ Amount
STARR WHITEHOUSE	LAND DEVELOPMENT AND PLANNING/ENGINEERING	Public Works	$ 10,082.50
STEPHEN A. LASER ASSOCIATES, PC	PSYCHOLOGISTS/PSYCHOLOGICAL AND PSYCHIATRIC SERVICES	Human Resources	$ 7,475.00
SUCCESS AND RESULTS	FLOORING MAINTENANCE AND REPAIR	Rec., Parks & Cultural Services	$ 85,111.50
TECH ALPHARETTA	ATC OPERATIONAL FUNDS	Development Authority	$ 7,916.67
TEMPLE INC	TRAFFIC RESPONSIVE SYS MAINTENANCE	Public Works	$ 5,418.33
TETRA TECH INC	MEADOW BROOK HILLS DRAINAGE	Public Works	$ 58,000.00
THE DUMPSTER CO	CLEANING OF AMUSEMENT AREAS, EXPOSITION CENTERS	Rec., Parks & Cultural Services	$ 17,937.15
THE DUMPSTER CO	CLEANING OF AMUSEMENT AREAS, EXPOSITION CENTERS	Rec., Parks & Cultural Services	$ 14,538.77
TJ & KJ PROPERTIES	DEPOSITS PAYABLE REFUND	General Government	$ 5,000.00
TPG DEVELOPMENT, LLC	REFUND FOR RELEASE OF TREE BOND	General Government	$ 64,500.00
TRI SCAPES INC	ROADSIDE, GROUNDS, RECREATIONAL AND PARK AREA SERVICES	Rec., Parks & Cultural Services	$ 41,658.42
TRI SCAPES INC	LANDSCAPING	Rec., Parks & Cultural Services	$ 5,800.89
TRUIST BANK	OCTOBER 2022 PCARD	General Government	$ 132,509.09
TUNNELL-SPANGLER	WILLS PARK MASTER PLAN IMP	Rec., Parks & Cultural Services	$ 16,705.00
UNITED FIRE PROTECTION	ALARM EQUIPMENT MAINTENANCE/REPAIR (FIRE, ETC.)	Public Works	$ 11,750.00
USI INSURANCE	CONDO INSURANCE (GARAGE)	Risk Management	$ 21,711.36
VERIZON WIRELESS	TELEPHONE SERVICES, CELLULAR	Various Departments	$ 15,313.38
WADE FORD INC	VEHICLES, INCLUDING AUTOMOBILES, TRUCKS, TRAILERS,	Community Development	$ 30,565.00

CITY OF ALPHARETTA

Financial Management Reports

Listing of PO's between $5,000.01 and $50,000.00

for the month ended October 31, 2022

Purchase Order #	Vendor	Department	Purchase Order Amt.	Description
23000349	VERISTOR SYSTEMS INC	INFORMATION TECHNOLOGY	$ 7,078.50	MIMECAST ADVANCED SUPPORT
23000356	HIGHWAY MARKINGS LLC	PUBLIC WORKS	$ 19,715.00	THERMO-STRIPING ON KIMBALL BRIDGE RD/UNION HILL RD
23000357	YBA SHIRTS, INC	REC., PARKS & CULTURAL SVCS	$ 16,657.50	2022 - 2023 YOUTH BASKETBALL ATHLETIC UNIFORMS
23000358	COLUMBIA ENGINEERING & SERVICES INC	PUBLIC WORKS	$ 13,850.00	CONCEPTUAL DESIGN OF FARMHOUSE PARK TRAIL
23000360	MEER ELECTRICAL CONTRACTORS INC	REC., PARKS & CULTURAL SVCS	$ 7,632.50	ELECTRICAL SERVICES FOR WIRE AND WOOD
23000363	KIMLEY-HORN & ASSOCIATES INC	COMMUNITY DEVELOPMENT	$ 6,573.08	NORTH POINT PLAN CONCEPTS AND RENDERINGS
23000365	MARR TRAFFIC INC	PUBLIC WORKS	$ 8,030.00	TRAFFIC COUNTING SERVICES
23000366	VERA ANN MYERS	REC., PARKS & CULTURAL SVCS	$ 8,996.00	TOUR GUIDE SERVICES FOR SENIOR TRIP TO ASHEVILLE, NC
23000368	ATLANTA BUSINESS CHRONICLE	COMMUNITY DEVELOPMENT	$ 8,250.00	FULL PAGE AD IN ATLANTA BUSINESS CHRONICLE
23000370	AMERICAN SIGNAL COMPANY	PUBLIC WORKS	$ 25,373.94	(2) VARIABLE MESSAGE BOARDS
23000371	POND & COMPANY	PUBLIC WORKS	$ 29,158.00	BRIDGE MAINTENANCE PLAN
23000374	WADE FORD INC	COMMUNITY DEVELOPMENT	$ 30,565.00	(1) 2022 FORD RANGER 4WD SUPERCAB TRUCK
23000380	ANALYTICAL ENVIRONMENTAL SERVICES	PUBLIC WORKS	$ 15,136.00	WATER QUALITY MONITORING FOR E.COLI BACTERIA
23000381	TACTICAL ELECTRONICS AND MILITARY SUPPLY LLC.	PUBLIC SAFETY	$ 18,965.32	ADVANCED POLE CAMERA SYSTEM FOR SWAT TEAM
23000382	MEER ELECTRICAL CONTRACTORS INC	REC., PARKS & CULTURAL SVCS	$ 7,102.42	INSTALLATION OF FLOOD LIGHT FOR LOG CABIN BUILDING
23000384	ROSWELL SIGNS LLC	REC., PARKS & CULTURAL SVCS	$ 9,870.80	SIGNAGE FOR WILLS PARK REC CTR & COMMUNITY CTR
23000385	THE SPYGLASS GROUP LLC	INFORMATION TECHNOLOGY	$ 6,000.00	TECHNOLOGY EXPENSE MANAGEMENT AUDITING SERVICES
23000392	TARGETSOLUTIONS LEARNING LLC	PUBLIC SAFETY	$ 7,894.60	ANNUAL RENEWAL FOR FIRE SHIFT SCHEDULING SOFTWARE
23000393	KRISTEN THIGPEN ORR	REC., PARKS & CULTURAL SVCS	$ 45,000.00	COMMUNITY AG VOLUNTEER & EDUCATION COORDINATOR
23000396	TIOMAN CONSTRUCTION	PUBLIC WORKS	$ 8,130.00	STRIPING ON KIMBALL BRIDGE RD AND UNION HILL RD
23000398	PYE-BARKER FIRE & SAFETY, LLC	PUBLIC WORKS	$ 13,710.00	ALARM EQUIPMENT MAINT & REPAIR AT MULTIPLE FACILITIES
23000399	RUSSELL LANDSCAPE, LLC	PUBLIC WORKS	$ 5,370.00	LANDSCAPING REPAIR SERVICES AT 330 DASHING LANE WAY
23000400	CDW LLC	INFORMATION TECHNOLOGY	$ 19,294.10	ADOBE LICENSE AND MAITNENANCE RENEWAL
23000401	CDW LLC	INFORMATION TECHNOLOGY	$ 11,000.00	AEROHIVE WIRELESS NETWORK SUPPORT RENEWAL
23000402	TOMAL CONSTRUCTION	PUBLIC WORKS	$ 12,211.00	REMOVAL/REPLACEMENT OF 130 LF OF DAMAGED GUARDRAIL
23000408	SIGNATURE TENNIS COURTS INC	REC., PARKS & CULTURAL SVCS	$ 9,935.00	RESURFACING WILLS PARK OUTDOOR BASKETBALL COURTS

City of Alpharetta
Balance Sheet
Governmental Funds
October 31, 2022

	Major Governmental Funds							Non-Major	Total
	General Fund	Capital Project Fund	Capital Grant Fund	2016 Bond Fund	2022 Bond Fund	T-SPLOST Capital Fund	T-SPLOST II Capital Fund	Governmental Funds	Governmental Funds
ASSETS									
Cash / Cash Equivalents / Investments	$ 33,273,766	$ 10,669,436	$ 696,270	$ 590,791	$ 29,349,334	$ 43,049,625	$ 7,002,220	$ 15,656,797	$ 140,288,239
Receivables (net of allowance for uncollectibles)									
Taxes Receivable									
Property Taxes	24,161,260	-	-	-	-	-	-	-	24,161,260
Other Taxes	667,267	-	-	-	-	-	-	-	667,267
Interest	-	-	-	-	-	-	-	-	-
Accounts		-	-	-	-	-	-	5,862,029	5,862,029
Due from Other Funds	2,462,782	-	-	-	-	-	-	18,218	2,481,000
Intergovernmental Receivable	15,143	-	19,800	-	-	-	-	-	34,943
Cash - Restricted	95,135	300,504	-	-	-	-	-	-	395,640
Total Assets	**60,675,353**	**10,969,941**	**716,070**	**590,791**	**29,349,334**	**43,049,625**	**7,002,220**	**21,537,044**	**173,890,378**
LIABILITIES AND FUND BALANCES									
Liabilities									
Current									
Accounts Payable	381,321	4,647	-	-	-	1,087	1,108	10,737	398,899
Retainage Payable	-	182,213	6,097	58,084	5,000	56,288	18,605	52,956	379,244
Intergovernmental Payable	-	-	-	-	-	-	-	-	-
Accounts payable/AR Suspense acct								-	-
Claims Payable	-	-	-	-	-	-	-	-	-
Payroll Payable	93,922	-	-	-	-	-	-	-	93,922
Due to Other Funds	-	-	-	527,518	-	1,900,295	-	3,805	2,431,619
Deferred Revenue	24,861,764	-	19,800	-	-	-	-	9,887,776	34,769,341
Unearned Revenue	670,883	-	-	-	-	-	-	14,773	685,657
Non-Current									
Unclaimed Property	122,675	-	-	-	-	-	-	-	122,675
Claims Payable	41,671	-	-	-	-	-	-	-	41,671
Total Liabilities	**26,172,237**	**186,860**	**25,897**	**585,603**	**5,000**	**1,957,670**	**19,713**	**9,970,048**	**38,923,028**
Fund Balances:									
Restricted for:									
Capital Projects	-	(496,745)	(1,576,683)	(91,515)	28,294,361	31,897,322	(6,384,723)	3,411,435	55,053,450
Law Enforcement	-	-	-	-	-	-	-	42,300	42,300
Emergency Telephone Activities	-	-	-	-	-	-	-	(100,269)	(100,269)
Grant Projects	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	(549,435)	(549,435)
Promotion of Tourism	-	-	-	-	-	-	-	671,061	671,061
Assigned for:									
Grant Projects	-	-	-	-	-	-	-	93,965	93,965
Capital Projects	-	-	-	-	-	-	-	-	-
Emergency Reserve	19,700,000	-	-	-	-	-	-	-	19,700,000
2024 Fiscal Year Capital	10,547,818	-	-	-	-	-	-	-	10,547,818
Encumbrances	4,330,358	9,000,703	2,276,035	79,022	987,918	9,157,392	13,367,230	5,530,836	44,729,494
Remaining 2023 Net Spend	(8,129,078)	-	-	-	-	-	-	-	(8,129,078)
Projected Net Surplus/2025 Capital	8,054,018	-	-	-	-	-	-	-	8,054,018
Unallocated	-	2,279,122	(9,179)	17,682	62,055	37,242	-	2,467,103	4,854,025
Total Fund Balances	34,503,116	10,783,080	690,173	5,189	29,344,334	41,091,956	6,982,507	11,566,996	134,967,350
Total Liabilities and Fund Balances	**$ 60,675,353**	**$ 10,969,941**	**$ 716,070**	**$ 590,791**	**$ 29,349,334**	**$ 43,049,625**	**$ 7,002,220**	**$ 21,537,044**	**$ 173,890,378**

City of Alpharetta
Statement of Revenues, Expenditures, and Changes in Fund Balances
Governmental Funds
For the Period Ended October 31, 2022

	Major Governmental Funds							Non-Major	Total
	General Fund	Capital Project Fund	Capital Grant Fund	S2016 Const Bond Fund	S2022 Const Bond Fund	T-SPLOST Capital Fund	T-SPLOST II Capital Fund	Governmental Funds	Governmental Funds
REVENUES									
Taxes:									
Property Tax	$ 4,877,164	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,016,934	$ 5,894,098
Local Option Sales Tax	5,389,654	-	-	-	-	-	-	-	5,389,654
Transportation SPLOST	-	-	-	-	-	-	3,671,163	-	3,671,163
Other Taxes	6,759,474	-	-	-	-	-	-	2,442,433	9,201,907
Licenses and permits	1,532,639	-	-	-	-	-	-	-	1,532,639
Intergovernmental	37,258	-	765,824	-	-	-	-	191,471	994,553
Charges for services	1,616,462	-	-	-	-	-	-	849,110	2,465,572
Impact Fees	-	-	-	-	-	-	-	206,377	206,377
Fines/Forfeitures	895,645	-	-	-	-	-	-	2,832	898,477
Investment earnings (Loss)	(86,947)	(22,316)	(2,423)	11,005	220,821	322,538	29,207	(30,038)	441,846
Contributions and Donations	22,799	127,400	-	-	-	-	-	-	150,199
Misc Revenue	75,317	3,387	-	-	-	-	-	-	78,704
Other	-	-	-	-	-	-	-	4,496	4,496
Total revenues	**21,119,464**	**108,471**	**763,401**	**11,005**	**220,821**	**322,538**	**3,700,370**	**4,683,614**	**30,929,683**
EXPENDITURES									
Current:									
Unallocated	-	-	-	-	-	-	-	-	-
General government	4,096,049	22,932	-	-	-	-	-	749,168	4,868,148
Public safety	12,303,322	185,157	47,394	-	-	-	-	2,116,717	14,652,590
Public works	2,987,642	920,429	121,942	196,187	-	820,360	366,271	498,871	5,911,703
Economic and community development	1,569,024	81,636	52,333	-	-	-	-	-	1,702,993
Alpharetta Business Community	-	-	-	-	-	-	-	-	-
Culture and recreation	3,949,855	529,854	-	-	152,486	-	-	214,867	4,847,062
Contingency	2,108	-	-	-	-	-	-	-	2,108
Professional Services	-	-	-	-	-	-	-	-	-
Debt service:									-
Principal	-	-	-	-	-	-	-	-	-
Interest	41,820	-	-	-	-	-	-	2,233,146	2,274,966
Other Costs		-	-	-	-	-	-	-	-
Bond issuance costs	-	-	-	-	-	-	-	-	-
Capital outlay	-	-	-	-	-	-	-	-	-
Total expenditures	**24,949,820**	**1,740,008**	**221,669**	**196,187**	**152,486**	**820,360**	**366,271**	**5,812,769**	**34,259,571**
Excess (deficiency) of revenues over (under) expenditures	(3,830,355)	(1,631,537)	541,732	(185,182)	68,334	(497,823)	3,334,099	(1,129,154)	(3,329,887)
OTHER FINANCING SOURCES (USES)									
Transfers in	637,574	3,813,267	-	-	-	-	-	1,400,000	5,850,841
Transfers out	(5,213,267)	-	-	-	-	-	-	(637,574)	(5,850,841)
Loan Proceeds	-	-	-	-	-	-	-	-	-
Capital Leases	-	-	-	-	-	-	-	-	-
Sale of capital assets	21,045	-	-	-	-	-	-	-	21,045
Sale of non-capital assets	500	-	-	-	-	-	-	-	500
Land Sale	-	-	-	-	-	-	-	-	-
Insurance Proceeds	-	-	-	-	-	-	-	-	-
Bond Proceeds	-	-	-	-	-	-	-	-	-
Total other financing sources and (uses)	(4,554,148)	3,813,267	-	-	-	-	-	762,426	21,545
Net change in fund balances	(8,384,503)	2,181,729	541,732	(185,182)	68,334	(497,823)	3,334,099	(366,728)	(3,308,342)
Fund balances - beginning	**42,887,620**	**8,601,351**	**148,441**	**190,370**	**29,275,999**	**41,589,779**	**3,648,408**	**11,933,724**	**138,275,692**
Fund balances - ending	**$ 34,503,116**	**$ 10,783,080**	**$ 690,173**	**$ 5,189**	**$ 29,344,334**	**$ 41,091,956**	**$ 6,982,507**	**$ 11,566,996**	**$ 134,967,350**

City of Alpharetta
Combining Balance Sheet
Non-Major Governmental Funds
October 31, 2022

	Special Revenue									Total Non-major
	Hotel Motel	Impact Fee	Federal Confiscated Assets	State Confiscated Assets	Grant Operating	E911	American Rescue ACT	Debt Service Fund	Stormwater Capital Fund	Governmental Funds
ASSETS										
Cash / Cash Equivalents / Investments	$ 1,638,143	$ 5,023,734	$ 270,705	$ 30,333	$ 167,640	$ 1,337,696	$ 4,032,934	$ 243,736	$ 2,911,878	$ 15,656,797
Taxes Receivable	-	-	-	-	-	-	-	-	-	-
Pre-Paid Expenditures	-	-	-	-	-	-	-	-	-	-
Accounts Receivable	-	-	-	-	-	-	-	-	-	-
Property Taxes	-	-	-	-	-	-	-	5,862,029	-	5,862,029
Intergovernmental Receivable	-	-	-	-	18,218	-	-	-	-	18,218
Due From Other Funds										
Restricted	-	-	-	-	-	-	-	-	-	-
Total Assets	**1,638,143**	**5,023,734**	**270,705**	**30,333**	**185,857**	**1,337,696**	**4,032,934**	**6,105,765**	**2,911,878**	**21,537,044**
LIABILITIES										
Accounts Payable	-	-	-	-	2,100	6,043	1,015	-	1,578	10,737
Retainage Payable	-	28,056	-	-	-	-	24,900	-	-	52,956
Intergovernmental Payable	-	-	-	-	-	-	-	-	-	-
Arbitrage Payable	-	-	-	-	-	-	-	-	-	-
Accounts payable/AR Suspense acct	-	-	-	-	-	-	-	-	-	-
Compensated Absences	-	-	-	-	-	-	-	-	-	-
Payroll Liabilities	-	-	-	-	-	3,805	-	-	-	3,805
Due to Other Fund	-	-	-	-	-	-	-	-	-	-
Deferred Revenue	-	-	-	-	18,218	-	4,007,529	5,862,029	-	9,887,776
Unearned Revenue	-	-	-	-	-	-	-	14,773	-	14,773
Total Liabilities	**-**	**28,056**	**-**	**-**	**20,318**	**9,849**	**4,033,445**	**5,876,803**	**1,578**	**9,970,048**
FUND BALANCES										
Restricted:										
Capital Projects	-	3,159,664	-	-	-	-	(1,317,553)	-	1,569,323	3,411,435
Law Enforcement	-	-	11,967	30,333	-	-	-	-	-	42,300
Promotion of Tourism	671,061	-	-	-	-	-	-	-	-	671,061
Emergency Telephone Activities	-	-	-	-	-	(100,269)	-	-	-	(100,269)
Debt Service	-	-	-	-	-	-	-	(549,435)	-	(549,435)
Assigned for: Grant Projects	-	-	-	-		-	-	-	-	-
Grant Projects	-	-	-	-	93,965	-	-	-	-	93,965
Encumbrances	381,060	1,717,543	24,484	-	50,900	771,694	1,317,042	-	1,268,113	5,530,836
Unallocated	586,022	118,471	234,254	-	20,675	656,421	-	778,397	72,863	2,467,103
Total Fund Balances	1,638,143	4,995,677	270,705	30,333	165,540	1,327,847	(511)	228,962	2,910,300	11,566,996
Total Liabilities and Fund Balances	**$ 1,638,143**	**$ 5,023,734**	**$ 270,705**	**$ 30,333**	**$ 185,857**	**$ 1,337,696**	**$ 4,032,934**	**$ 6,105,765**	**$ 2,911,878**	**$ 21,537,044**

City of Alpharetta
Combining Statement of Revenues, Expenditures, and Changes in Fund Balances
Non-major Governmental Funds
For the Period Ended October 31, 2022

	Special Revenue									Total Non-major
	Hotel Motel	Impact Fee	Confiscated Assets	State Confiscated Assets	Grant Operating	E911 Fund	American Rescue Act	Debt Service Fund	Stormwater Service Fund	Governmental Funds
REVENUES:										
Hotel Motel Tax	$ 2,442,433	$ -	$ -	$ -	$ -		$ -	$ -	$ -	$ 2,442,433
Property tax	-	-	-	-	-	-	-	1,016,934	-	1,016,934
Charges for Service	-	-	-	-	59,498	789,612	-	-	-	849,110
Impact Fees	-	206,377	-	-	-	-	-	-	-	206,377
Forfeiture Income	-	-	-	2,832	-	-	-	-	-	2,832
Intergovernmental	-	-	-	-	-	-	191,471	-	-	191,471
Contributions & Donations	-	-	-	-	-	-	-	-	-	-
Investment Earnings (Loss)	(3,508)	(11,149)	-	-	(462)	(4,556)	-	(3,538)	(6,826)	(30,038)
Other	-	-	-	-	-	-	-	-	4,496	4,496
Total revenues	**2,438,925**	**195,228**	**-**	**2,832**	**59,036**	**785,056**	**191,471**	**1,013,396**	**(2,330)**	**4,683,614**
EXPENDITURES:										
Tourism	741,503	-	-	-	-	-	-	-	-	741,503
Community Development	-	-	-	-	-	-	-	-	-	-
Culture/Recreation	204,357	-	-	-	10,510	-	-	-	-	214,867
Public Safety	-	-	32,205	10,566	-	2,073,946	-	-	-	2,116,717
Public Works	-	102,827	-	-	-	-	191,982	-	204,062	498,871
General Government	2,915	-	-	-	-	-	-	4,750	-	7,665
Debt Service:	-	-	-	-		-	-	-	-	-
Principal	-	-	-	-	-	-	-	-	-	-
Interest	357,606	-	-	-	-	-	-	1,875,540	-	2,233,146
Bond Issuance Costs	-	-	-	-	-	-	-	-	-	-
Total expenditures	**1,306,381**	**102,827**	**32,205**	**10,566**	**10,510**	**2,073,946**	**191,982**	**1,880,290**	**204,062**	**5,812,769**
Excess (deficiency) of revenues over expenditures	1,132,544	92,401	(32,205)	(7,734)	48,526	(1,288,890)	(511)	(866,894)	(206,392)	(1,129,154)
OTHER FINANCING SOURCES (USES):										
Transfers in / out:										
General fund	(637,574)	-	-	-	-	-	-	-	1,400,000	762,426
Budgeted Fund Balance:	-	-	-	-	-	-	-	-	-	-
Capital Leases	-	-	-	-	-	-	-	-	-	-
Total other financing sources	(637,574)	-	-	-	-	-	-	-	1,400,000	762,426
Net change in fund balances	494,970	92,401	(32,205)	(7,734)	48,526	(1,288,890)	(511)	(866,894)	1,193,608	(366,728)
Fund balances - beginning	**1,143,173**	**4,903,276**	**302,910**	**38,067**	**117,014**	**2,616,737**	**-**	**1,095,856**	**1,716,692**	**11,933,724**
Fund balances - ending	**$ 1,638,143**	**$ 4,995,677**	**$ 270,705**	**$ 30,333**	**$ 165,540**	**$ 1,327,847**	**$ (511)**	**$ 228,962**	**$ 2,910,300**	**$ 11,566,996**

City of Alpharetta
Enterprise Fund -Solid Waste
Statement of Net Position
October 31, 2022

.	Solid Waste
ASSETS	
Current Assets:	
Cash and Cash Equivalents & Investments	$ 1,396,591
Inventories, at cost	-
Accounts Receivables (net of allowance for uncollectibles)	46,434
Prepaid Insurance Expenses	-
Total Current Assets	1,443,025
Noncurrent Assets:	
Restricted Cash, Cash Equivalents, and Investments	-
Total Restricted Assets	-
Other	-
Capital Assets	
Buildings and System	-
Machinery and Equipment	-
Less Accumulated Depreciation	-
Total Capital Assets (net of accumulated depreciation)	-
Total Noncurrent Assets	-
Total Assets	**1,443,025**
LIABILITIES	
Current Liabilities:	
Accounts Payable	-
Accounts Payable/ Customer Credit Balances	64,972
Accounts Payable/ Customer Pre-Paid Service	-
Accounts Payable/ A/R Module Suspense Acct	6,100
Payroll Liabilities	265
Accrued Salaries	-
Accrued Interest Payable	-
Compensated Absences Payable	-
Notes Payable - Revenue Bonds	-
Due to Other Funds	-
Total Current Liabilities	71,337
Current Liabilities Payable from Restricted Assets:	
Revenue Bonds Payable	-
Total Current Liabilities Payable from Restricted Assets	-
Noncurrent Liabilities:	
Customer Deposits	-
Compensated Absences less Current Portion	-
Revenue Bonds Payable	-
Total Noncurrent Liabilities	-
Total Liabilities	**71,337**
NET ASSETS	
Invested in Capital Assets, net of related debt	-
Reserved for Debt Service	-
Reserved for Encumbrances	-
Unreserved	1,371,688
Total Net Assets	1,371,688
Total Liabilities & Net Assets	**$ 1,443,025**

City of Alpharetta
Enterprise Fund - Solid Waste
Statement of Revenues, Expenses, and Changes in Net Position
For the Period Ended October 31, 2022

Operating revenues:	
Charges for sales and services:	
Refuse Collection charges	$ 2,658,218
Misc Revenue	1,279
Total operating revenues	2,659,497
Operating expenses:	
Administration	5,908,535
Non-departmental	-
Total operating expenses	5,908,535
Operating Gain (loss)	(3,249,038)
Non-operating revenues (expenses):	
Investment earnings (Loss)	(10,591)
Total non-operating revenue (expenses)	(10,591)
Income (loss) before transfers	(3,259,628)
Transfers In	-
Transfers Out	-
Change In Net Assets	(3,259,628)
Total net assets-beginning	**115,976**
Total net assets-ending (net of encumbrances)	**(3,143,653)**
Adjustments to GAAP basis:	
Encumbrances	4,515,341
Misc adj-Encumbrances Resv/Prior Year	
Total net assets-ending	**$ 1,371,688**

DEVELOPMENT AUTHORITY

Revenue & Expenditure Report
GAAP Financial Statements

ALPHARETTA DEVELOPMENT AUTHORITY

Financial Management Report - As of October 31, 2022 (unaudited)

	Account #	Project	Total Budget	Actuals (Collections/ Expenditures)	Encumbrances	Remaining
Revenues						
	99575100-346900	Bond Application Fee	$ 119,750	$ 119,750		$ -
	99575100-371000-C1532	ATC Operational Funding (COA)	95,000	95,000		-
(2)	99575100-381000-C1535	Innovation Center Operations (ATC)	23,700	3,858		19,842
		subtotal	***$ 238,450***	***$ 218,608***		***$ 19,842***
(1)	99575100-395000	Carryforward Fund Balance	$ 214,749	$ -		$ 214,749
		subtotal	***$ 214,749***	***$ -***		***$ 214,749***
		Total	**$ 453,199**	**$ 218,608**		**$ 234,591**
Expenditures						
	99575100-571000-C1403	Local Job Creation Grant Program	$ 32,500	$ -	$ -	$ 32,500
	99575100-544100-C1532	ATC Operational Funds	95,000	39,583	55,417	-
	99575100-544100-C1601	High Impact Permitting Grant Program (IGA with COA)	20,948	-	-	20,948
	99575100-544100-C0924	Economic Development Strategic Plan (split with COA)	37,500	-	-	37,500
	99575100-544100-C2210	Downtown Economic Development Initiative	60,000	40,000	-	20,000
	99575100-531100	General Supplies & Materials	-	-	-	-
		subtotal	***$ 245,948***	***$ 79,583***	***$ 55,417***	***$ 110,948***
(2)	99575100-522250-C1535	Innovation Center Operations (Facility Repair & Maint.)	$ -	$ -	$ -	$ -
(2)	99575100-523860-C1535	Innovation Center Operations (Maintenance Contracts)	12,000	2,236	4,500	5,264
(2)	99575100-531200-C1535	Innovation Center Operations (Miscellaneous Utilities)	1,100	261	-	839
(2)	99575100-531210-C1535	Innovation Center Operations (Water/Sewer)	600	343	-	257
(2)	99575100-531220-C1535	Innovation Center Operations (Natural Gas)	5,000	1,017	-	3,983
(2)	99575100-531230-C1535	Innovation Center Operations (Electricity)	5,000	1,115	-	3,885
		subtotal	***$ 23,700***	***$ 4,973***	***$ 4,500***	***$ 14,227***
	99575100-579000	Reserve	$ 183,551	$ -	$ -	$ 183,551
		Total	**$ 453,199**	**$ 84,556**	**$ 59,917**	**$ 308,726**

(1) Carryforward Fund Balance represents cash available at the end of the prior fiscal year that is programmed into the current fiscal year budget. As this account represents cash already received, there will not be actual collections.

(2) Innovation Center utilities are being funded by the Alpharetta Technology commission (ATC) on a reimbursement basis. As such, expenses will outpace budget at month end due to the billing/reimbursement delay.

ALPHARETTA DEVELOPMENT AUTHORITY

Financial Management Report - As of October 31, 2022 (unaudited)

Account #	Project	Total Budget	Actuals (Collections/ Expenditures)	Encumbrances	Remaining

Fund Balance Reconciliation

Fund Balance (beginning of Fiscal Year)	**$**	**214,749**
Revenues collected to date		218,608
Expenditures incurred to date		(84,556)
Fund Balance	**$**	**348,801**
Fund Balance Allocation:		
Non-Spendable (unspent/remaining project allocations)	$	166,365
Spendable (available for investment by the Board)		182,436
	$	**348,801**

City of Alpharetta
Balance Sheet
COMPONENT UNIT-DEVELOPMENT AUTHORITY
October 31, 2022

ASSETS		
Current Assets:		
Cash and Cash Equivalents	$	349,892
Investments		-
Receivables		-
Restricted Cash for Bond Issuance Costs		-
Total Assets		**349,892**
LIABILITIES		
Current Liabilities:		
Accounts Payable		-
Deferred Revenue		-
Due to Other Funds		1,091
Total Current Liabilities		1,091
Current Liabilities Payable from Restricted Assets:		
		-
Total Current Liabilities Payable from Restricted Assets		-
Noncurrent Liabilities:		
		-
Total Noncurrent Liabilities		-
Total Liabilities		1,091
Fund Balance		
Restricted		166,365
Unallocated		182,436
Total Fund Balance		348,801
Total Liabilities & Fund Balance	**$**	**349,892**

City of Alpharetta
Statement of Revenues, Expenditures, and Changes in Fund Balance
COMPONENT UNIT-DEVELOPMENT AUTHORITY
For the Period Ended October 31, 2022

	Actual Amounts
Revenues	
Rent/Royalties	$ 3,858
State Grant	-
Fees	119,750
Contributions & Donations	95,000
Miscellaneous Income-Interest	-
Miscellaneous Revenue	-
Total Revenues	**218,608**
Expenditures	
Economic Development	135,000
Maintenance Contracts	6,736
Donation to private source	-
Utilities - Miscellaneous	2,737
Debt Service:	
Principal	-
Interest	-
Total Expenditures	**144,473**
Excess (deficiency) of revenues over (under) expenditures	74,135
Other Financing Sources (Uses)	
Sale of capital assets	-
Net Change in Fund Balances	74,135
Fund Balance, Beginning of Year	**214,749**
Encumbrances	59,917
Fund Balance, End of Year	**348,801**

THE CITY OF

ALPHARETTA

GEORGIA

STAFF REPORT

Submitting Department: Administration
Submitted By: Chris Lagerbloom
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: INTERGOVERNMENTAL AGREEMENT: FULTON COUNTY ANIMAL CONTROL SERVICES

APPROVAL OF THE FIRST EXTENSION OF THE INTERGOVERNMENTAL AGREEMENT FOR THE PROVISION OF ANIMAL CONTROL SERVICES BETWEEN FULTON COUNTY, GEORGIA AND ALPHARETTA, GEORGIA.

II. RECOMMENDATION:

Approve the the First Extension of the Intergovernmental Agreement for the provision of animal control services between Fulton County, Georgia and Alpharetta, Georgia.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO

FISCAL IMPACT: NO

INCLUDED IN CURRENT FY CPTL BUDGET: NO

INCLUDED IN CURRENT FY OPRT. BUDGET: NO

TOTAL PROJECT COST:

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

The City of Alpharetta currently contracts with Fulton County to provide Animal Control Services in the City. This is an agreement which has been in place in Alpharetta and other cities within Fulton County. The contract is set to expire at the end of 2022. This first amendment would extend the contract for one year. No other changes are contemplated with this action other than to maintain the status quo for an additional year. It is cost prohibitive to provide the service, and timing would prohibit us from starting our own animal control services in Alpharetta.

The Alpharetta cost share for calendar year 2023 is $84,034.67.

V. ALTERNATIVES:

There are no alternatives.

VI. ATTACHMENTS:

Fulton County Animal Control IGA Extension Agreement

FIRST EXTENSION OF THE INTERGOVERNMENTAL AGREEMENT FOR THE PROVISION OF ANIMAL CONTROL SERVICES BETWEEN FULTON COUNTY, GEORGIA AND ALPHARETTA, GEORGIA

This First Extension to the Intergovernmental Agreement ("First Extension") is made and entered this _____ day of _____, 2022, by and between the **City of Alpharetta**, Georgia ("Alpharetta"), a municipal corporation, and **Fulton County**, a political subdivision of the State of Georgia ("County"), herein after collectively referred to as the "Parties".

WHEREAS, pursuant to the Georgia Constitution, Article IX, Section II, Paragraph I, cities and counties are prohibited from exercising governmental authority within each other's boundaries except by Intergovernmental Agreement, or as otherwise provided by law; and

WHEREAS, Alpharetta and the County entered into that certain Intergovernmental Agreement on or about July 7, 2014 as Fulton County Board of Commissioners Agenda Item #14-0641 ("Original Agreement"), for the purpose of authorizing the County to provide animal control services to Alpharetta, by way of a contract with an animal control services vendor; and

WHEREAS, by written agreement between the Parties, the Term of the Original Agreement was extended to April 30, 2018; and

WHEREAS, the Parties entered into a superseding Intergovernmental Agreement, effective beginning May 1, 2018, to maintain the same level of animal control services through December 31, 2022 (the "Current Agreement"); and

WHEREAS, the Parties desire to maintain the same level of services for an additional period beyond this set date so that the Parties can evaluate the scope and manner of delivery of these services moving forward; and

WHEREAS, the Parties desire, through this First Extension, to extend the Term (Article 2) of the Current Agreement under the same terms and conditions set forth in the Current Agreement for an additional period of three hundred and sixty-five (365) days, up to and including December 31, 2023.

NOW THEREFORE, Alpharetta and the County, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby agree as follows:

Section 1. Alpharetta and the County do hereby agree that Article 2 (Term of Agreement) of the Current Agreement is hereby amended by this First Extension for an additional period of three hundred and sixty-five (365) days, up to and including December 31, 2023.

Section 2. The Parties further agree that all the terms and conditions, including, but not limited to, Article 3 (Compensation and Consideration), that are set out in the Current Agreement, as modified by this First Extension, will continue to be enforceable during the Term of the First Extension. The estimated calendar year 2023 animal control services payment amounts for participating municipalities, including Alpharetta, and the County is attached hereto marked "Attachment 1."

Section 3. The Current Agreement, as modified by the First Extension, contains the entire agreement between the Parties, and no modification shall be binding upon the Parties unless evidenced by a subsequent written agreement signed by the County acting by and through the Fulton County Board of Commissioners, and Alpharetta, acting by and through its duly authorized officers.

Section 4. In the event any one or more of the provisions contained herein shall, for any reason, be held invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision of the Current Agreement, as modified by the First Extension.

Section 5. The Current Agreement, as modified by the First Extension, shall be governed in all respects as to the validity, construction, capacity performance, or otherwise by the laws of the State of Georgia.

Section 6. Nothing contained in the Current Agreement, as modified by the First Extension, shall be constructed to be a waiver of any of the Parties' sovereign immunity, any individual's qualified immunity, or any other immunity or exemption from liability provided for by law.

Section 7. The Current Agreement, as modified by the First Extension, shall not be construed as, or deemed to be, an agreement for the benefit of any third party or parties, and no third party or parties shall have any right of action hereunder for any cause whatsoever.

Section 8. Except as modified by this First Extension, all terms and conditions of the Current Agreement remain in full force and effect.

(SIGNATURES ON NEXT PAGE)

IN WITNESS WHEREOF, the Parties have hereunto set their hands and affixed their seals the day and year first written above.

ALPHARETTA, GEORGIA

_____ Date: _____
Jim Gilvin, Mayor

ATTEST:

_____ Date: _____
City Clerk

APPROVED AS TO FORM:

_____ Date: _____
City Attorney

FULTON COUNTY, GEORGIA

_____ Date: _____
Robert L. Pitts, Chairman
Board of Commissioners

ATTEST:

_____ Date: _____
Tonya R. Grier
Clerk to the Commission

APPROVED AS TO FORM:

_____ Date: _____
Y. Soo Jo
County Attorney

ATTACHMENT 1

Estimated Annual Animal Control Services Payment Amounts for Municipalities and Fulton County

(Based on data for the period ending 7/1/2021 thru 6/30/2022

Payment Amount= (A+V+C+M+D)(C/TC)

A	2023 Annualized contract amount	$ 4,900,000.00	36.11% increase from the 2018-2022 contract amount ($3,600,000)
V	Vehicle replacement (total cost $832,592 over 5 years -- Approx cost per unit $52,037)	$ 166,518.40	
C	Capital improvement plan	$ 500,000.00	
M	Annual maintenance cost	$ 300,000.00	
D	Call Taking and Dispatch Services (24/7/365)	$ 328,000.00	
TC	Total Calls		
	2023 Annual Shared Costs	$ 6,194,518.40	
	County Contribution	$ 128,000.00	
	County one-time absorbtion of contract increase during 1 year extension	$ 1,300,000.00	
Paid by Cities	**2023 Total Annual Shared Cost** (Minus County annual contribution & one-time absorbtion of contract increase)	$ 4,766,518.40	0% increase from 2018-2022 contract amount ($4,766,518.40)
	Additional Animal Services Costs Covered by the County	$ 209,115.00	
	2023 Total Cost for Animal Services Program	$ 6,531,633.40	

	Name of Jurisdiction	# of Responses Per Jurisdiction	% of Jurisdiction Responses to Total Responses	Share of Total Cost
1	Alpharetta	326	1.76%	$ 84,034.67
2	Atlanta	10192	55.12%	$ 2,627,243.28
3	College Park	137	0.74%	$ 35,315.18
4	East Point	1267	6.85%	$ 326,600.98
5	Fairburn	447	2.42%	$ 115,225.45
6	Hapeville	80	0.43%	$ 20,622.00
7	Mountain Park	1	0.01%	$ 257.78
8	Palmetto	124	0.67%	$ 31,964.11
9	Sandy Springs	648	3.50%	$ 167,038.23
10	Roswell	516	2.79%	$ 133,011.92
11	Union City	836	4.52%	$ 215,499.94
12	Johns Creek	333	1.80%	$ 85,839.09
13	Milton	163	0.88%	$ 42,017.33
14	South Fulton	3284	17.76%	$ 846,533.26
15	Chattahoochee	96	0.52%	$ 24,746.40
16	Fulton Industrial District	41	0.22%	$ 10,568.78
	Total	**18491**	**100.00%**	**$ 4,766,518.40**

STAFF REPORT

Submitting Department: Courts
Submitted By: Brooke Lappin
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: CONTRACT AWARD: PROFESSIONAL PROBATION SERVICES, INC. FOR PROBATION SUPERVISION AND REHABILITATION SERVICES

Approval of the Contract for probation supervision and rehabilitation services between the City of Alpharetta and Professional Probation Services, Inc.

II. RECOMMENDATION:

Approve the Contract for probation supervision and rehabilitation services between the City of Alpharetta and Professional Probation Services, Inc.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: YES

FISCAL IMPACT: NO

INCLUDED IN CURRENT FY CPTL BUDGET: NO

INCLUDED IN CURRENT FY OPRT. BUDGET: NO

TOTAL PROJECT COST: NO FISCAL IMPACT. ALL FEES ARE PAID BY THE DEFENDANT.

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

The City of Alpharetta desires to enter into a contract with Professional Probation Services, Inc (PPS). to provide probation supervision and rehabilitation services for the Municipal Court. The attached contract describes the services and programs that will be available for the offenders placed on probation by the Municipal Court. PPS agrees to have a Probation Officer present at all court sessions. Although the probation company has been purchased by other providers over the years, we have been able to maintain the same level of service as well as the same Probation Officer.

There is no fiscal impact to the CIty of Alpharetta for the use of Probation services. All fees are paid by the defendant.

V. ALTERNATIVES:

Do not approve the Agreement between the City of Alpharetta and Professional Probation Services and search for alternative supervision services.

VI. ATTACHMENTS:

Probation & Rehabilitation Services Contract

STATE OF GEORGIA
COUNTY OF FULTON

CONTRACT FOR PROBATION SUPERVISION AND REHABILITATION SERVICES

THIS CONTRACT made and entered into this _____ day of _____, 20_____, by and between the City of Alpharetta, a Georgia municipal corporation, (hereinafter referred to as the "City"), the City of Alpharetta Municipal Court (hereinafter referred to as the "Court),and Professional Probation Services, Inc., a Georgia corporation, (hereinafter referred to as "PPSI"), upon the request and consent of the Chief Judge of the Alpharetta Municipal Court (hereinafter referred to as the "Court").

WITNESSETH:

WHEREAS, the City, authorized by O.C.G.A. §42-8-101, wishes to enter into this agreement with PPSI with the consent of the Court, and recognizes its responsibility to provide professional and effective sentencing alternatives for citizenry and offenders of the community; and

WHEREAS, PPSI is uniquely qualified and experienced in providing such comprehensive professional services and is willing to contract with the City with the approval of the Court; and

WHEREAS, the parties hereto deem it in their respective best interests and each will best be served by entering into said Contract for the provision by PPSI of such probation services as ordered by the Court.

NOW THEREFORE, in consideration of the premises and the mutual benefits and covenants provided under the terms and conditions of this Contract, the parties hereto agree as follows:

DESIGNATION BY THE CITY

The City shall designate PPSI as the sole private entity to coordinate, provide and direct probation programs and services to offenders sentenced by and under the jurisdiction of the Court.

SCOPE OF SERVICES

PPSI shall provide the services and programs for the misdemeanor offenders placed on probation by the Court which shall include the following particulars:

A. Comply with the rules, standards, and qualifications as set forth by the Department of Community Supervision (DCS), and any subsequent changes, thereto, and the Laws of the State of Georgia.

B. Operate under the conditions as agreed to by and between PPSI and the City, as more fully set forth in the Specifications for Probation Services attached hereto and incorporated herein by reference.

C. Provide such services as specifically set forth in the Specifications for Probation Services for the provisions of services to offenders under the jurisdiction of the Court.

D. Meet, maintain, and comply with all rehabilitation program offerings as specified in the Specifications for Probation Services.

E. Maintain individual files for each offender participating in PPSI's programs in accordance with DCS Board Rule 105-2-.14. The files will be maintained in a secured area, in a secure file cabinet, or electronically. PPSI shall maintain the confidentiality of all files, records, and papers relative to the supervision of probationers under this agreement.

F. Provide timely and prompt reports as are, or may be required by the Court during the period of the Contract, which include, but are not limited to, statistical reports, caseload data, and other records documenting the types of program services provided and the identity of the offenders receiving such services in accordance with O.C.G.A. §42-8-108 and DCS Board Rule 105-2-.13.

G. Provide counseling and supervision services for all persons ordered by the Court to participate in such programs during the period of the Contract and assure that PPSI is providing program services and maintaining records reflective of good business practice.

H. Make fiscal and program records available within ten (10) working days for review and maintain financial records reflective of good business practice. Records shall be maintained in accordance with O.C.G.A. §42-8-109.2 and DCS Board Rule 105-2-.14.

I. Bill the offender for program services provided on such forms and in such manner to conform to acceptable business practice in accordance with DCS Board Rule 105-2-.14 and 105-2-.15. The accuracy of billing is to be confirmed by providing a copy of the services and attending cost to the offender.

J. Charge each offender participating in rehabilitation programs the reasonable cost of the program as reflected in the Specifications for Probation Services attached hereto and incorporated herein by reference. Each offender shall be charged a maximum not to exceed the program costs as specified in the Specifications for Probation Services unless it is approved in advance by the Court. Those offenders the Court shall determine to be indigent shall be ordered as such and shall be supervised at no cost in accordance with O.C.G.A. §42-8-102.

K. Collect restitution, fines, court costs and fees, program fees, and probation fees as ordered by the Court. PPSI shall prioritize the collection of restitution before the collection of fines and probation fees pursuant to O.C.G.A. §17-14-8. PPSI shall collect funds for the Georgia Crime Victims Emergency Fund, as applicable, and forward them directly to the Georgia Crime Victims Compensation Board by the end of each month along with a corresponding remittance report pursuant to O.C.G.A. §17-15-13(f).

L. Submit a written report to the Court as frequently as the Court requires on the amount of Court fines, costs, fees, and restitution Court ordered and collected from each offender. The report shall include the total dollar amount applied to Court ordered fines, fees, restitution, and other conviction related costs.

M. Tender all Court fines and costs ordered and collected from offenders to the Court as frequently as the Court requires.

N. Comply with all laws regarding confidentiality of offender records in accordance with O.C.G.A. §42-8-109.2 and DCS Board Rule 105-2-.09.

O. Furnish a fidelity bond or letter of credit in the amount of not less than one hundred thousand

($100,000.00) dollars as surety for the satisfactory performance of the Contract.

P. Not profit or attempt to profit from any fines, restitution, or Court cost collected from the offenders.

Q. The Court shall assist PPSI in obtaining access to criminal histories in the Georgia Crime Information Center and National Crime Information Center through local law enforcement in order for PPSI to conduct pre-sentence or probationer investigations as may be requested. PPSI may obtain a Georgia Crime Information Center (GCIC) Originating Agency Identifier (ORI) number. The Federal Bureau of Investigation (FBI) CJIS Security Addendum is, therefore, attached hereto and incorporated herein by reference.

R. PPSI shall employ competent and able personnel to provide services rendered hereunder and to appropriately administer this caseload. All staff shall meet qualifications as prescribed by O.C.G.A. §42-8-107 and DCS Board Rule 105-2-.09.

S. PPSI shall have a criminal history records check made of all staff in accordance with O.C.G.A. §42-8-106.1, O.C.G.A. §42-8-107, and DCS Board Rule 105-2-.10.

T. PPSI staff shall comply with the orientation and continuing education training required per annum as prescribed by O.C.G.A. §42-8-107, DCS Board Rule 105-2-.09, and DCS Board Rule 105-2-.12.

U. PPSI shall make a supervision assessment of each offender and determine the reporting schedule, type of contact(s), and frequency of contact(s) pursuant to the direction of the Court. There are no minimally required contacts for pay-only cases. Probation officers shall supervise no more than 250 probationers under Basic Supervision and no more than 50 probationers under Intensive Supervision. There are no caseload size limitations regarding pay-only cases.

V. PPSI shall coordinate and ensure compliance with community service by each probationer as ordered by the Court. PPSI will maintain records of community service participation and completion.

W. PPSI shall coordinate with certified vendors the evaluation and assessment of probationers for drug/alcohol rehabilitation, mental health, psychological counseling, or educational programs mandated by the Court and shall require probationer's compliance. PPSI shall not specify, directly or indirectly, a particular DUI Alcohol or Drug Use Risk Reduction Program, which a probationer may or shall attend. PPSI shall conduct on-site drug and alcohol screens as determined necessary by the Court, the costs for which shall be paid by the offender as fully set forth in the Specifications for Services, attached hereto.

X. The term "pay-only probation" means a defendant has been placed under probation supervision solely because such defendant is unable to pay the court imposed fine and statutory surcharges when such defendant's sentence is imposed. Such term shall not include circumstances when restitution has been imposed or other probation services are deemed appropriate by the court. When pay-only probation is imposed, the probation supervision fees shall be capped so as not to exceed three months of ordinary probation supervision fees.

Y. Consecutive misdemeanor sentences shall be supervised in accordance with O.C.G.A. §42-8-103 and §42-8-103.1.

Z. PPSI shall prepare probation violation warrants, orders, and petitions for modification/revocation of probation for submission to the Court. PPSI shall recommend the modification or revocation of probation whenever the probationer fails to substantially comply with the terms and conditions of probation. The Court shall determine what constitutes a substantial failure to comply with probation terms and conditions. Modification/Revocation proceedings shall be conducted in accordance with O.C.G.A. §42-8-102 and the Court's Judicial Procedures.

PRETRIAL INTERVENTION AND DIVERSION PROGRAM

In accordance with O.C.G.A. §15-18-80, the Solicitor of the Alpharetta Municipal Court is authorized to create and administer a Pretrial Intervention and Diversion Program for offenses within the jurisdiction of the Court. The purpose of such program is to provide an alternative to prosecuting offenders in the criminal justice system. Upon the request of the Solicitor and with the advice and express written consent of the Solicitor, which is now given, the City designates PPSI as the private entity to be used for the purpose of monitoring program participants' compliance with the Pretrial Intervention and Diversion Program. Fees for monitoring services are payable not by the City, but by the program participants. Entry into the Pretrial Intervention and Diversion Program shall be at the discretion of the Solicitor

PERIOD OF SERVICE

The performance of the aforementioned services shall commence on the 27th day of January, 2023, and shall continue with a specific expiration date of the 26th day of January, 2024. The contract shall automatically renew for specific one-year terms on January 27th each year, thereafter, under the same terms and conditions as provided herein, unless written notice to the contrary is directed to the other party not less than thirty (30) days prior to the current term's expiration, in accordance with O.C.G.A. §36-60-13. Said automatic renewals shall continue for a maximum period of four (4) years. The contract shall absolutely terminate on January 26, 2028. Either party may terminate this Contract upon thirty (30) days written notice. The City may terminate this Contract immediately for cause including, without limitation, material breach of this Contract, insolvency of PPSI, or filing of a voluntary or involuntary case in bankruptcy.

CHANGES IN SERVICE

The Court and the City reserve the right to order changes in the aforementioned services to be performed under this contract by altering, adding to, or deducting from the services.

PAYMENTS FOR SERVICES

Fees for basic services are set out in the Specifications for Probation Services, which fees are payable not by the City, but by sentenced offenders. No fees accrued pursuant to the Specifications for Probation Services shall be obligations of the City.

DEFICIENCIES IN SERVICE, TERMINATION

In the event the City determines there are deficiencies in the service and work provided by PPSI, the City shall notify PPSI in writing as to the precise nature of any such deficiencies. Within ten (10) working days of receipt of such notice, PPSI shall correct or take reasonable steps to correct the deficiencies complained of, including, if necessary, increasing the work force and/or equipment, or modifying the policies and procedures used by PPSI in performing services pursuant to this Contract. If PPSI fails to correct or take reasonable steps to correct

the deficiencies within ten (10) working days, the City may declare PPSI in default and this Contract shall be declared terminated upon receipt by PPSI of notice thereof. PPSI agrees that in the event it disputes the City's right to invoke the provisions of this paragraph, it will not seek injunctive or other similar relief, but will either negotiate a settlement of the matter with the City or seek, as its remedy, monetary damages in a Court of competent jurisdiction.

DISPUTES

In the event of any controversy, claim or dispute as to the services and work performed or to be performed by PPSI, or the construction or operation of or rights and liabilities of the parties under this Contract, where the City is the complaining party, each such question shall be submitted to the Chief Judge of the Alpharetta Municipal Court for resolution; provided, however, in the event either party disagrees with the decisions of the Judge, that party shall have the right to litigate the matter in its entirety in a Court of competent jurisdiction. The party wishing to submit a matter to the Judge shall do so by written notice to the other party and to the Judge, which shall specify the nature of the controversy, claim or dispute. The Judge shall schedule a hearing within fifteen (15) days of such notice, at which time both parties shall present their positions. The Judge shall render a decision within seven (7) days after the date of the hearing. In the event the Judge is the complaining party, the Presiding Judge of the Fulton County Superior Court, or his/her designee, shall be asked to resolve the issues presented.

TRANSFER OF OPERATIONS

In the event PPSI defaults for any reason in the service provided for by this Contract, the City may, at its election and upon five (5) working days' prior written notice to PPSI, take possession of all records and other documents generated by PPSI in connection with this Contract, and the City may use the same in the performance of the services described herein. PPSI agrees to surrender peacefully said records and documents. The City shall provide PPSI with a written receipt of those items over which the City assumes exclusive control. PPSI agrees that in the event it disputes the City's right to invoke the provisions of this paragraph, it will not seek injunctive or other similar relief, but will either negotiate a settlement of the matter with the City, or seek monetary damages as its remedy in a court of competent jurisdiction.

RIGHT TO REQUIRE PERFORMANCE

The failure of the City at any time to require performance by PPSI of any provisions hereof shall in no way affect the right of the City thereafter to enforce same. Nor shall waiver by the City of any breach of any provision hereof be taken or held to be a waiver of any succeeding breach of such provision or as a waiver of any provision itself.

ACCESS TO BOOKS AND RECORDS

The City's representatives shall have access on a weekday, other than a legal State holiday, upon forty-eight (48) hours prior written notice to PPSI's representative, to all PPSI's books, records, correspondence, instructions, receipts, vouchers, and memoranda of every description pertaining to work under this Contract, for the purpose of conducting a complete independent fiscal audit for any fiscal year within the immediately preceding two (2) years, in accordance with O.C.G.A. §42-8-108, DCS Board Rule 105-2-.14, and DCS Board Rule 105-2-.19.

CONFIDENTIALITY

Except as provided in O.C.G.A. § 42-8-108(a) and § 42-8-109.2(b), all reports, files, records, and papers of whatever kind relative to the supervision of probationers by PPSI under this Contract are declared to be confidential and shall be available only to the City, or an auditor appointed by the City, the judge handling a particular case, the Georgia Department of Audits and Accounts, the Georgia Department of Corrections, the Georgia Department of

Community Supervision, or the Georgia Board of Pardons and Paroles.

PPSI acknowledges that it may receive confidential information of the City and that it will protect the confidentiality of any such confidential information and will require any of its subcontractors, Contractors, and/or staff to likewise protect such confidential information. PPSI agrees that confidential information it receives or such reports, information, opinions or conclusions that PPSI creates under this Contract shall not be made available to, or discussed with, any individual or organization, including the news media, without prior written approval of the City. PPSI shall exercise reasonable precautions to prevent the unauthorized disclosure and use of City information whether specifically deemed confidential or not.

PPSI acknowledges that the City's disclosure of documentation is governed by Georgia's Open Record's Act, and PPSI further acknowledges that if PPSI submits records containing trade secret information, and if PPSI wishes to keep such records confidential, PPSI must submit and attach to such records an affidavit affirmatively declaring that specific information in the records constitutes trade secrets pursuant to Article 27 of Chapter 1 of Title 10, and the Parties shall follow the requirements of O.C.G.A. § 50-18-72(a)(34) related thereto. However, pursuant to O.C.G.A. § 42-8-109.2(b)(3)(D), the rules, regulations, operating procedures, and guidelines of PPSI shall be subject to disclosure under the Georgia Open Records Act.

INSURANCE

PPSI shall provide and maintain during the life of this Contract, workers' compensation insurance and general liability with the following limits of liability:

Workers' Compensation	- Statutory
Bodily Injury Liability	- $ 100,000 each accident
	- $ 500,000 each occurrence
General Liability	- $1,000,000 each occurrence
Personal & Advertising Injury	- $1,000,000 each occurrence
Professional Liability	- $1,000,000 each occurrence

INDEMNIFICATION/HOLD HARMLESS

With regard to the work to be performed by PPSI, neither the Court nor the City shall be liable to PPSI, or to anyone who may claim a right resulting from any relationship with PPSI, for any negligent act or omission of PPSI, its employees, agents, or participants in the performance of services conducted on behalf of the City. In addition, PPSI agrees to indemnify and hold harmless the Court and the City, their officials, employees, agents, or participants with the Court and the Probation Services described herein, from any and all claims, actions, proceedings, expenses, damages, liabilities or losses (including, but not limited to, attorney's fees and court costs) arising out of or in connection with any negligent act or omission of PPSI, including wrongful criminal acts of PPSI, or PPSI's employees, agents, or representatives. Further, the City is to be named as an additional named insured on PPSI's liability insurance policies.

PERSONAL LIABILITY

Nothing herein shall be construed as creating any individual or personal liability on the part of any of City's elected or appointed officials, officers, directors or employees. No such individual shall be personally liable to PPSI or any successor in interest in the event of any default or breach by the City or for any amount which may become due to PPSI or successor or on any obligation under the terms of this Contract. Likewise, PPSI's performance of services under this Contract shall not subject PPSI's individual employees, officers or directors to any personal

liability. The Parties agree that their sole and exclusive remedy, claim, demand or suit shall be directed and/or asserted only against PPS or the City, respectively, and not against any employee, officer, director, or elected or appointed official.

ASSIGNMENT

The duties and obligations assumed by PPSI are professional services unique to PPSI and are therefore not transferable or assignable without prior consent of the City and Court. Consent, however, shall not be unreasonably withheld.

VALIDITY

This Contract shall be binding on any successor to the undersigned official of the City or Court. The provisions enumerated in this Contract shall be deemed valid insofar as they do not violate any City, State, or Federal laws. In the event any provision of this Contract should be declared invalid, the remainder of this Contract shall remain in full force and effect.

NOTICE

Any notice provided for in this Contract shall be in writing and served by personal delivery or by registered or certified mail addressed to:

As to the City:	The City of Alpharetta 2 Park Plaza Alpharetta, Georgia 30009
As to the Court:	Alpharetta Municipal Court Attn: Chief Judge 13690 Highway 9 Building B Milton, Georgia 30004
As to PPSI:	Professional Probation Services, Inc. 327 South Hill Street, Building A Buford, Georgia 30518 Attn: Keith Ward, CEO

Notices sent by registered or certified mail shall be deemed delivered/received upon actual receipt or three (3) days from mailing, whichever is shorter. The above addresses may be modified by written notice to the other party.

WAIVER OF AGREEMENT

No failure by the City to enforce any right or power granted under this Contract, or to insist upon strict compliance by PPSI with this Contract, and no custom or practice of the City at variance with the terms and conditions of this Contract shall constitute a general waiver of any future breach or default or affect the City's right to demand exact and strict compliance by PPSI with the terms and conditions of this Contract. Further, no express

waiver shall affect any term or condition other than the one specified in such waiver, and that one only for the time and manner specifically stated.

NO THIRD PARTY RIGHTS

This Contract shall be exclusively for the benefit of the Parties and shall not provide any third parties with any remedy, claim, liability, reimbursement, cause of action or other right.

SOVEREIGN IMMUNITY

Nothing contained in this Contract shall be construed to be a waiver of the City's sovereign immunity or any individual's qualified good faith or official immunities.

FORCE MAJEURE

Neither the City nor PPSI shall be liable for their respective non-negligent or non-willful failure to perform or shall be deemed in default with respect to the failure to perform (or cure a failure to perform) any of their respective duties or obligations under this Contract or for any delay in such performance due to: (a) any cause beyond their respective reasonable control; (b) any act of God; (c) any change in applicable governmental rules or regulations rendering the performance of any portion of this Agreement legally impossible; (d) earthquake, fire, explosion or flood; (e) strike or labor dispute, excluding strikes or labor disputes by employees and/or agents of PPSI; (f) delay or failure to act by any governmental or military authority; or (g) any war, hostility, embargo, sabotage, civil disturbance, riot, insurrection or invasion. In such event, the time for performance shall be extended by an amount of time equal to the period of delay caused by such acts, and all other obligations shall remain intact.

ENTIRE AGREEMENT

This Contract, including all exhibits attached hereto and incorporated herein by reference, constitutes the entire understanding and agreement between the parties hereto and supersedes any and all agreements, whether written or oral, that may exist between the parties regarding the same. No representations, inducements, promises, or agreements between the parties not embodied herein shall be of any force and effect. No amendment or modification to this Contract or any waiver of any provisions hereof shall be effective unless in writing and signed by the City and PPSI.

[signatures to follow]

IN WITNESS WHEREOF the City, the Chief Judge of the City Municipal Court and PPSI have executed this Contract effective as of the date first written above.

CITY OF ALPHARETTA, GEORGIA

By: _____
Jim Gilvin, Mayor

Date: _____

Approved as to form and legal sufficiency:
JARRARD & DAVIS, LLP

_____

Molly N. Esswein, City Attorney

PROFESSIONAL PROBATION SERVICES, INC.

By: _____
Keith Ward, CEO

Date: _____

Attest:

By: _____

Title:

Date: _____

APPROVED BY THE ALPHARETTA MUNICIPAL COURT

_____
Chief Judge or designee

_____
Solicitor

Specifications for Services

Pay-Only Probation Supervision	**$40.00 per month.** **The pay-only probation supervision fees shall be capped per O.C.G.A. §42-8-103.**
Basic Probation Supervision	**$40.00 per month**
Intensive Probation Supervision	**$40.00 per month**
Indigent Supervision	**$0.00** – As determined and ordered by the Court
Case Initiation Fee	**$10.00 one-time set up fee for non pay-only cases**
Pre-Trial/Diversion Supervision	**$40.00 per month**
Electronic Monitoring	**$75.00 Installation Fee +** **RF House Arrest: $6.00 per day** **Active GPS: $10.00 per day** **SCRAM – Remote Breath: $7.25 per day** **SCRAM – with landline: $10.00 per day** **SCRAM – Alcohol Monitoring with Cellular Connector: $12.00 per day** **SCRAM – Alcohol Monitoring plus House Arrest: $15.00 per day**
Alternative GPS Monitoring with Victim Notification	**Shepherd System Smart Phone Application** **$55.00/$85.00 Enrollment Fee +** **$5.00 - $6.00 per day**
On-Site, Multi-Panel Drug Screen	**$15.00**
Alcohol Test – Breathalyzer	**$15.00**
On-Site EtG Test	**$25.00**
Laboratory Confirmation Test	**$25.00**
Termination Letter Administrative Fee	**$10.00 (If applicable)**
Community Service Work Coordination	**No Cost**
Restitution Collection - Direct Disbursement to Victim	**No Cost**
On-Line Access for the Court to the PPSI Probation Tracker 2.0 Computer Program	**No Cost** **For 24/7 Internet Access to all Offender Data and Activity**
Transfer of Supervision	**No Cost to any of our more than 50 locations nationwide**
Resume and Interview Skills Development with Job Placement Assistance	**No Cost**
Indemnification of the City, and Naming the City as an Additional Insured	**No Cost – Professional and General Liability**

STAFF REPORT

Submitting Department: Recreation, Parks & Cultural Services
Submitted By: Morgan Rodgers
Sponsored By: N/A.
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: CITIES OF ALPHARETTA & JOHNS CREEK PARKS WITHOUT BORDERS MEMORANDUM OF UNDERSTANDING

CONSIDERATION OF A MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF ALPHARETTA AND THE CITY OF JOHNS CREEK TO ALLOW RESIDENTS AND EMPLOYEES TO ACCESS EACH CITY'S SOFTBALL, BASEBALL, LACROSSE, AND SOCCER PROGRAMS AND FACILITIES AT THE RESPECTIVE CITY'S RESIDENT RATE AND TO AUTHORIZE THE MAYOR TO EXECUTE ALL NECESSARY DOCUMENTS.

II. RECOMMENDATION:

Approve, as presented, the Memorandum of Understanding between the Cities of Alpharetta and Johns Creek to allow residents and employees access to each city's softball, baseball, lacrosse, and soccer programs and facilities at the respective city's resident rate and authorization of the Mayor to execute all related documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO FISCAL IMPACT: NO

INCLUDED IN CURRENT FY CPTL BUDGET: NO INCLUDED IN CURRENT FY OPRT. BUDGET: NO

Total Project Cost: It is believed the agreement has had and will continue to have a positive fiscal impact on the City of Alpharetta. Currently, the city's recreational sports programs are available to all neighboring residents at a non-resident rate, but participation can be minimally beneficial when the programs and facilities are not easily accessible to non-residents. Fortunately, Alpharetta and Johns Creek are neighboring cities with parks available on their adjoining borders and both boast quality recreational sports programs. Allowing each city to expand through simple sharing raises the number of available facilities and programs at no cost to either city, increases revenue through participation, and is an effective way to enhance the program and ultimately, the quality of life for residents.

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

BACKGROUND:

The cities of Alpharetta and Johns Creek offer exceptional recreation programs and, throughout the years, have each experienced a high level of citizen engagement in recreational youth softball, baseball, and lacrosse. In December 2020, as resident participation continued to grow, eventually exceeding either city's bandwidth, the adjoining cities discovered that agreeing to share certain programs and facilities would assist both cities in meeting the increased demand.

In subsequent years, the cities have continued to enter into an annual agreement (set to renew automatically) in the form of a Memorandum of Understan
ding (MOU) for the upcoming spring and fall sports seasons. The MOU permits residents in either city to enjoy the neighboring city's recreational youth softball, baseball, and lacrosse programs at the respective city's resident rates, provided space is available. Additionally, the MOU has permitted full-time employees of each partner city and their immediate family members living in the same household to be considered "residents of the city' in which they are employed, granting the same benefit and access to the specified recreational sports programs.

AGREEMENT FOR 2023-2024:

For the 2023 - 2024 operating year, the City of Johns Creek has requested an amendment to the agreement. Amid updates to that city's comprehensive plan, Johns Creek has realized that soccer is now one of their most popular recreational sports programs. To accommodate the growing interest, Johns Creek has proposed including recreational soccer in the MOU's list of shared programs between the two cities.

The Department of Recreation, Parks, & Cultural Services staff believe the MOU amendment request is mutually beneficial, as Alpharetta is also experiencing similar growth in its recreational soccer program. Access to John's Creek's programs and facilities provides Alpharetta with the opportunity to easily expand the program to meet demand. Additionally, sharing the recreational soccer program and facilities proves to be a natural, suitable option given that Webb Bridge Park (Alpharetta) and Ocee Park (Johns Creek), which both host soccer fields, are situated along our shared borders, making programs and facilities easily accessible for citizens of either city.

Under the agreement attached hereto, Alpharetta and Johns Creek would offer residents and employees of either city the opportunity to participate in the neighboring city's recreational youth softball, baseball, lacrosse, and soccer programs at the respective city's resident rates, provided space is available. The MOU will be in effect from January-December 2023, after which the two cities will assess the modified agreement and the desire to renew it.

V. ALTERNATIVES:

There are three alternatives to the recommended action:

1. Discontinue the longstanding MOU between the Cities of Alpharetta and Johns Creek to explore the possibility of shared programs with other neighboring communities, such as the Cities of Roswell or Milton.
2. Discontinue the longstanding MOU between the Cities of Alpharetta and Johns Creek and task the Department of Recreation, Parks, and Cultural Services staff with developing a plan to meet the rising demand among Alpharetta residents for recreational sports programs. It should be noted that additional staff, funding, and the identification and/or construction of facilities may be required to achieve this goal.
3. Renew the longstanding Memorandum of Understanding (MOU) without the addition of recreational soccer, thereby restricting access to the resident rate and program to only Alpharetta residents and employees. This action could also limit expansion of the programs and facilities for city residents by excluding access to the City of Johns Creeks programs and facilities.

VI. ATTACHMENTS:

Alpharetta-Johns Creek Parks Without Borders Memorandum of Understanding (2023)

PARKS WITHOUT BORDERS
MEMORANDUM OF UNDERSTANDING
BETWEEN THE CITY OF ALPHARETTA AND THE CITY OF JOHNS CREEK

THIS MEMORANDUM OF UNDERSTANDING ("MOU") is entered into by and between the City of Alpharetta, a municipal corporation of the State of Georgia, located at 2 Park Plaza, Alpharetta, Georgia 30009 ("Alpharetta"), and the City of Johns Creek, a municipal corporation of the State of Georgia, located at 11360 Lakefield Drive Johns Creek, GA 30097 ("Johns Creek"). Alpharetta and Johns Creek are sometimes referred to in this MOU individually as a "City" or collectively as the "Cities."

WHEREAS, the Cities of Alpharetta and Johns Creek are adjoining communities in North Fulton County; and

WHEREAS, each City maintains and provides staff for its respective department within each City for the purpose of providing recreation and parks services; and

WHEREAS, the Cities have determined that it is to their best interest and mutual advantage to share certain programs and facilities.

NOW, THEREFORE, for and in consideration of the mutual covenants contained herein, and for good and valuable consideration, the parties agree as follows:

1. GENERAL PURPOSE OF MOU.

The purpose of this MOU is to take another step to continue to foster a long-term mutually beneficial relationship between Alpharetta and Johns Creek as it relates to parks and recreation programs and services as a way to better serve the Cities' respective citizens, offer a wider variety of recreational services, and grow the relationship between the Cities such that similar opportunities can be developed over time.

2. GENERAL RESPONSIBILITIES OF PARTIES.

(a) Alpharetta shall waive non-resident fees for Johns Creek residents who participate in Alpharetta's recreational youth softball, baseball, lacrosse, and soccer programs, provided space is available.

(b) Johns Creek shall waive non-resident fees for Alpharetta residents who participate in Johns Creek's recreational youth softball, baseball, lacrosse, and soccer programs, provided space is available.

(c) Travel/select/club softball, baseball, lacrosse, and soccer programs are not included in this MOU.

(d) Residents of each City shall have first priority to register for their City's recreation programs (at least two (2) weeks before open registration). Residents of the other City shall have second priority to register for the recreational youth softball, baseball, lacrosse, and soccer programs (at least one (1) week before open registration). The open registration period for non-Alpharetta and non-Johns Creek residents shall begin after the priority registration ends.

(e) Full time employees of each partner City and their immediate family members living in the same household will be considered residents of the City in which they are employed. As residents of the partner City, eligible employees/family members may register for recreational youth softball, baseball, lacrosse, and soccer programs during the partner City's resident registration period and will pay resident registration fees. Each partner City will waive non-resident fees for the full-time employees and their immediate family members of the other City. To receive the non-resident fee waiver, an employee must provide proof of employment with the partner City when registering for the program. These guidelines are not applicable for part-time and seasonal employees, contracted vendors, and volunteers.

(f) The MOU shall become effective with registration for the Spring 2023 recreational youth softball, baseball, lacrosse, and soccer seasons and shall continue through registration for the Fall 2023 recreational youth softball, baseball, lacrosse, and soccer seasons.

(g) At the conclusion of each Spring season, Alpharetta, and Johns Creek officials (to include the Mayors and City Manager/Administrator, or their designees), shall evaluate the effectiveness of the MOU in meeting established goals. Officials shall evaluate participation in recreational youth softball, baseball, lacrosse, and soccer, and the other terms of the MOU to ensure they are fair and just for both parties. The parties shall exercise their best efforts to resolve any issues.

(h) Duration; Termination. The term of the MOU shall be for a period of one calendar year. This MOU shall take effect and be in full force on January 1, 2023, and shall terminate on December 31, 2023.

3. ADMINISTRATION.

(a) The parties place high value on regular, timely and full communications between themselves, and commit themselves to ensuring strong communication links through their actions.

(b) Each party will designate a single point of contact to coordinate all activities between the parties involved.

(c) Communication between the two parties at the highest level (Mayors, any Administrator/City Manager) will take place if judged necessary by the respective Recreation & Parks Director or Recreation Manager of each City.

(d) More specific delineations of roles, responsibilities, resources, and commitments concerning particular matters may be addressed in written guidelines approved by the Alpharetta Recreation

& Parks Director and the Johns Creek Recreation Manager, if such guidelines are consistent with the general purposes of this MOU.

(e) Unless otherwise provided for herein, this MOU does not impose specific program, resources, or budgetary obligations on either party.

4. OTHER PROVISIONS.

(a) Insurance. Each City shall be responsible for obtaining and maintaining its own liability and property insurance against losses or liability related to this MOU.

(b) No Third Party Beneficiaries. There are no third party beneficiaries to this MOU. No person or entity other than a party to this MOU shall have any rights hereunder or any authority to enforce its provisions. Nothing in this MOU shall be deemed to waive either party's sovereign or other immunity.

(c) Relationship Between the Parties. In consideration of the mutual services provided herein, both parties agree that nothing contained herein is intended to be or should be construed in any manner as creating or establishing the relationship of partners or join ventures between the parties hereto or as constituting an agency relationship in any manner whatsoever. The individual parties are and shall remain independent entities with respect to all services performed under this MOU. Each party represents that it has, or will secure all its expense, all personnel required in performing its service obligation under this MOU and that the acts of its employees performing the service under this MOU shall be the acts of employees of that entity alone. Each entity agrees that in the performance of this mutual service, its employees shall not require nor be entitled to any compensation, rights, or benefits of any kind whatsoever from the other entity to this MOU, including, but not limited to, medical and hospital care, sick and vacation leave, disability, Worker's Compensation or Unemployment Compensation.

(d) Severability. In the event any part or provision of this MOU is held to be invalid, the remainder of this MOU shall not be affected thereby and shall continue in full force and effect.

(e) Applicable Law. This MOU shall be governed in all respects as to the validity, construction, capacity, performance, or otherwise by the laws of the State of Georgia.

(remainder of this page intentionally left blank)

(signature page follows)

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals as of the day and year written below.

CITY OF ALPHARETTA, GEORGIA

Date: _____

By: _____

Jim Gilvin, Mayor

APPROVED AS TO FORM:

_____

Molly Esswein, City Attorney

City of Alpharetta, Georgia

APPROVED AS TO CONTENT:

_____

Morgan Rodgers, Recreation, Parks & Cultural Services Director

City of Alpharetta, Georgia

CITY OF JOHNS CREEK, GEORGIA

Date: _____

By: _____

John Bradberry, Mayor

APPROVED AS TO FORM:

_____

E. Ronald Bennett, Jr., City Attorney

City of Johns Creek, Georgia

STAFF REPORT

Submitting Department: Recreation, Parks & Cultural Services
Submitted By: Morgan Rodgers
Sponsored By: N/A.
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: CITY OF ALPHARETTA - NORTHSIDE HOSPITAL, INC. MEMORANDUM OF UNDERSTANDING

CONSIDERATION OF THE MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF ALPHARETTA AND NORTHSIDE HOSPITAL, INC. TO RENEW THE PARTNERED SPONSORSHIP PROGRAM FOCUSING ON THE HEALTH AND WELLNESS ASPECTS OF THE CITY'S PARKS AND PROGRAMS AND TO AUTHORIZE THE MAYOR TO EXECUTE ALL RELATED DOCUMENTS.

II. RECOMMENDATION:

Approve, as presented, the Memorandum of Understanding between the City of Alpharetta and Northside Hospital, Inc. and authorize the Mayor to execute all necessary documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO FISCAL IMPACT: YES

INCLUDED IN CURRENT FY CPTL BUDGET: YES INCLUDED IN CURRENT FY OPRT. BUDGET: NO

TOTAL PROJECT COST: $25,000 per year for three consecutive years, which is fully funded by Northside Hospital, Inc.

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
Northside Hospital MOU (Equipment & Facilities; 30161150-541500-C1926)	$15,000.00
Northside Hospital MOU (Programs - Seasonal Salaries; 10061650-511200-C1926)	$9,250.00
Northside Hospital MOU (Programs - FICA; 10061650-512200-C1926)	$750.00

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
Northside Hospital MOU Grant (Equipment & Facilities; 30161150-371000-C1926)	$15,000
Northside Hospital MOU Grant (Programs; 10061650-371000-C1926)	$9,250
Northside Hospital MOU Grant (Programs; 10061650-371000-C1926)	$750

IV. REPORT IN BRIEF:

BACKGROUND:

The City of Alpharetta has always strived to provide exceptional recreational programs that improve the quality of life for citizens. The Recreation, Parks & Cultural Services Department recognizes that offering classes and activities that promote health and wellness aids in meeting this initiative.

The leadership at Northside Hospital realizes that those with active lifestyles are more likely to live longer and healthier. As the hospital mainly serves North Fulton and South Forsyth residents, the organization's leadership believed it wise to foster community health and wellness programs to encourage people to live healthier lifestyles and to diminish sickness and disease.

With a shared desire to improve the overall health and wellness of residents in the North Fulton community, Northside Hospital and the City of Alpharetta have worked together to establish a partnership that would be

mutually beneficial in achieving this goal.

In 2018, the City entered into an agreement in the form of a Memorandum of Understanding (MOU). Under the MOU, Northside Hospital would offer a monetary sponsorship to the City of Alpharetta to be explicitly used for bolstering community health and wellness programs, facilities, equipment, and amenities. To date, the sponsorship has helped provide citizens with new and renovated equipment at Wills Park and the Greenway and made free health and wellness programs available to residents, which include yoga, aerobics, water-based exercise programs, walking programs, and the like. In exchange for the sponsorship, as was outlined in the MOU, the City erected signs throughout parks and trails to acknowledge Northside Hospital's sponsorship and exhibited gratitude through various media outlets.

AGREEMENT FOR 2022-2025:

The Department of Recreation, Parks & Cultural Services staff have witnessed the benefit of the MOU (as stated above) and encourage renewal of the agreement for another term. Under the MOU attached hereto, Northside Hospital will continue to commit to a sponsorship of $25,000 per year for three consecutive years (for a total of $75,000) to strengthen community health and wellness programs, facilities, equipment, and amenities. In exchange, the City will continue to establish signage (where needed) acknowledging Northside Hospital's gracious donations and recognize the hospital via the Alpharetta Guidebook, Recreation, Parks & Cultural Services program guides, and social media posts related to any project in which Northside Hospital funds are used.

V. ALTERNATIVES:

There are two alternatives to this recommendation:

1. To discontinue the MOU between the City of Alpharetta and Northside Hospital for the partnered sponsorship program focusing on the health and wellness aspects of the city's parks and programs.
2. To deny or defer renewal of the MOU between the City of Alpharetta and Northside Hospital and direct staff to establish new terms for the MOU prior to approval.

VI. ATTACHMENTS:

City of Alpharetta - Northside Hospital MOU (2022-2025)

THE CITY OF
ALPHARETTA
RECREATION, PARKS & CULTURAL SERVICES

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is made and effective this _____, day of _____, 2022 (the "Effective Date"), by and between Northside Hospital, Inc. a Georgia nonprofit corporation, located at 1000 Johnson Ferry Rd, Atlanta, GA, 30342, USA ("Northside"), and the City of Alpharetta, a Georgia municipal corporation, located at 2 Park Plaza, Alpharetta, Georgia 30009 ("CoA"). Northside and CoA are sometimes referred to in this MOU individually as a "Party" or collectively as the "Parties."

WHEREAS, the CoA and Northside are concerned with the health and wellness of the Citizens of Alpharetta, and;

WHEREAS, Northside has the desire to be a part of the Alpharetta Community and improve the overall health of the Community, and;

WHEREAS, CoA has the desire to improve certain facilities that relate directly to the health and wellness of its citizens, and to expand free health related programs.

NOW, THEREFORE, for and in consideration of the mutual covenants contained herein, and for good and valuable consideration, the Parties agree as follows:

1. TERMS OF AGREEMENT.

1.1. Northside will donate $25,000.00 per year to CoA for three consecutive years in the form of a check payable to the CoA each year.

1.2. CoA will expend $15,000.00 each year to improve and/or enhance park facilities to include new equipment, renovated equipment, landscaping and signage.

1.3. CoA will expend $10,000.00 each year to offer free health and wellness programs throughout the CoA such as:

a. Yoga Instruction
b. Aerobic Instruction
c. Water-Related Exercise Instruction (during summer season)
d. Walking Programs
e. General Fitness Programs

1.4. CoA will install signage mutually agreed upon for verbiage and location by CoA and Northside which recognizes Northside at parks and facilities.

1.5. CoA will include Northside's official logo on all sponsored program materials and will include appreciation announcements in the Alpharetta Guidebook, in the Recreation, Parks & Cultural Services Department's program guides, and in social media posts related to facility improvements and established classes and programs as outlined in this MOU.

THE CITY OF ALPHARETTA
RECREATION, PARKS & CULTURAL SERVICES

MEMORANDUM OF UNDERSTANDING

2. ADMINISTRATION.

2.1. The Parties place high value on regular, timely, and full communications between themselves, and commit themselves to ensuring strong communication links through their actions.

2.2. Each Party will designate a single point of contact to coordinate all activities between the Parties involved.

2.3. Unless otherwise provided for herein, this MOU does not impose specific program, resources, or budgetary obligations on either Party.

3. OTHER PROVISIONS.

3.1. **No Third-Party Beneficiaries.** There are no third-Party beneficiaries to this MOU. No person or entity other than a Party to this MOU shall have any rights hereunder or any authority to enforce its provisions. Nothing in this MOU shall be deemed to waive either Party's sovereign or other immunity.

3.2. **Duration**. The term of the MOU shall be for a period of three years and shall take effect and be in full force on December 15, 2022.

3.3. **Severability.** In the event any part or provision of this MOU is held to be invalid, the remainder of this MOU shall not be affected thereby and shall continue in full force and effect.

3.4. **Relationship Between the Parties.** In consideration of the mutual promises or services provided herein, both Parties agree that nothing contained herein is intended to be or should be construed in any manner as creating or establishing the relationship of partners or joint ventures between the Parties hereto or as constituting an agency relationship in any manner whatsoever. The individual Parties are and shall remain independent entities with respect to all services performed under this MOU. Each Party represents that is has, or will secure all its expense, all personnel required in performing its service obligation under this MOU and that the acts of its employees performing services under this MOU shall be the acts of the employees of that entity alone. Each Party agrees that in the performance of this MOU, its employees shall not require nor be entitled to any compensation, rights, or benefits of any kind whatsoever from the other Party to his MOU, including but not limited to, medical and hospital care, sick and vacation leave, disability, Worker's Compensation, or Unemployment Compensation.

3.5. **Applicable Law.** This MOU shall be governed in all respects as to the validity, construction, capacity, performance, or otherwise by the laws of the State of Georgia.

THE CITY OF
ALPHARETTA
RECREATION, PARKS & CULTURAL SERVICES

MEMORANDUM OF UNDERSTANDING

IN WITNESS WHEROF, the Parties support the goals and objectives of this Memorandum and have hereunto executed this Memorandum of Understanding on the day and year first above written.

NORTHSIDE HOSPITAL, INC.

By: _____

Print Name: Freda B. Hardage

Title: Community Liaison, Northside Hospital

CITY OF ALPHARETTA, GEORGIA

By: _____

Print Name: Jim Gilvin

Title: Mayor, City of Alpharetta

APPROVED AS TO CONTENT:

By:

_____

Print Name: Morgan Rodgers
Title: Director, Recreation, Parks, and Cultural Services Department

APPROVED AS TO FORM:

By:

_____

Attorney, Northside Hospital

APPROVED AS TO FORM:

By:

_____

Molly Esswein, City Attorney

STAFF REPORT

Submitting Department: Recreation, Parks & Cultural Services
Submitted By: Christine Young
Sponsored By: N/A.
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: CITY OF ALPHARETTA YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENTS: 2023 RENEWAL

APPROVAL OF THE 2023 FACILITY USE AGREEMENTS BETWEEN THE CITY OF ALPHARETTA AND THE ALPHARETTA YOUTH BASEBALL ASSOCIATION, THE ALPHARETTA GIRLS YOUTH SOFTBALL ASSOCIATION, INC., THE ALPHARETTA AMBUSH SOCCER CLUB, INC., AND THE NORTH ATLANTA FOOTBALL LEAGUE RESPECTIVELY, AND TO AUTHORIZE THE MAYOR TO EXECUTE ALL NECESSARY DOCUMENTS.

II. RECOMMENDATION:

Approve, as written, the 2023 facility use agreements between the City of Alpharetta and the Alpharetta Youth Baseball Association, the Alpharetta Girls Youth Softball Association, Inc., the Alpharetta Ambush Soccer Club, Inc., and the North Atlanta Football League respectively and to authorize the mayor to execute all necessary documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO FISCAL IMPACT: NO

INCLUDED IN CURRENT FY CPTL BUDGET: NO INCLUDED IN CURRENT FY OPRT. BUDGET: NO

Total Project Cost: While there is not a specific fiscal appropriation for this item, associations are required to calculate a registration fee for program participants that will cover program expenses, the association's operations, and the city's cost to maintain and repair the fields and facilities used to facilitate the program. In addition, all program participants who reside outside the city limits of Alpharetta will be assessed a non-resident fee and associations are to pay the City the non-resident fees for each association's non-resident participant in their program. Association non-resident fees are calculated at 75% more than the resident registration fee. The dollar amount of an association's non-resident fee shall not exceed the highest non-resident fee charged to participants in youth athletic programs managed directly by the Department. Therefore, there are two fiscal impacts on the city:

1. The fiscal impact on the City would be the cost to repair or maintain the field and facilities. However, this expense is budgeted into the registration fee and therefore nullified.
2. Any revenue generated from non-resident participant fees in the association programs.

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

BACKGROUND:

The City of Alpharetta's has worked diligently to cultivate park settings conducive for a multitude of uses. Parks offer not only playgrounds, walking trails, and a setting for leisure activities but also fields and facilities favorable for recreational and competitive sports.

Recognizing the well-maintained park amenities offered to residents, several Alpharetta and North Fulton based athletic associations have connected with the City of Alpharetta to develop a mutually beneficial agreement for the usage of the fields and facilities throughout the City's park system. In exchange for a location in which to conduct athletics, the organizations would offer and facilitate high quality athletic leagues for the community.

The Department of Recreation, Parks & Cultural Services staff believed that such an agreement could benefit all. The City would easily be able to maintain park fields and facilities and the organizations would have the skillset and bandwidth to offer exceptional athletic leagues for residents thereby enhancing and expanding the City's current offerings of sports programs. Under the notion that an agreement would be in effect for one year, the City could then assess an organization's integrity and popularity of the program and determine if a renewed agreement should be considered.

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENTS (2023):
Currently, the City of Alpharetta Recreation, Parks & Cultural Services Department partners with four Youth Athletic Associations. The youth athletic league programs operate in Wills Park, Webb Bridge Park, North Park, and the Innovation Academy Sports Complex.

Staff have found the following associations are in good standing with the department and recommend renewal of each of their facility use agreements for calendar year 2023:

- Alpharetta Youth Baseball Association
- Alpharetta Girls Youth Softball Association, Inc.
- Alpharetta Ambush Soccer Club, Inc.
- North Atlanta Football League

Under the agreements attached hereto, the City of Alpharetta would continue to permit each of the youth athletic associations usage of park fields and facilities for the operation of high-quality youth athletic leagues for Alpharetta citizens.

V. ALTERNATIVES:

There are two alternatives to this recommendation:

1. To deny approval of any one or more of the facility use agreements between the City of Alpharetta and the four associations and task the Department of Recreation, Parks, and Cultural Services staff with developing new facility use agreements with additional modifications set for by City Council.
2. To deny approval of any one or more of the facility use agreements between the City of Alpharetta and the four associations and require cessation of the respective youth athletic association's program in City parks.

VI. ATTACHMENTS:

City of Alpharetta - Alpharetta Ambush Soccer Club, Inc. Facility Use Agreement 2023, City of Alpharetta - Alpharetta Girls Youth Softball Association, Inc. Facility Use Agreement 2023, City of Alpharetta - Alpharetta Youth Baseball Association Facility Use Agreement 2023, City of Alpharetta - North Atlanta Football League Facility Use Agreement 2023

THE CITY OF
ALPHARETTA
RECREATION PARKS &
CULTURAL SERVICES

Youth Athletic Associations



North Atlanta
Football League



Alpharetta Youth
Baseball Association



Alpharetta Youth
Softball Association



Alpharetta Ambush Soccer Club

Organizational Requirements and Facility Use Agreement 2023

YOUTH ATHLETIC ASSOCIATION
FACILITY USE AGREEMENT AND ORGANIZATIONAL REQUIREMENTS

Original approved by Alpharetta Recreation Commission – January 11, 2018
Updated for changes to Milton MOU – December 2021; John's Creek MOU- December 2022

TABLE OF CONTENTS PAGE

Alpharetta Recreation, Parks & Cultural Services Mission Statement	3
Legal and Organizational Requirements	3
Requirements of Associations	9
Facility Guidelines and Ordinances	17
Park/Facility Regulations	18
Recreation and Parks Personnel/Contact Information	20
City of Alpharetta Accident/Incident Report Form	21
Association Checklist	22
Facility Use Agreement	23

MISSION STATEMENT

Alpharetta Recreation, Parks and Cultural Services strives to promote the highest quality recreation programs and park facilities to our citizens consistent with our core values of Excellence, Stewardship, Integrity, Service and Loyalty.

(Adopted: February 14, 2013 by Alpharetta Recreation Commission)

Associations and the leaders of these Associations are expected to understand and promote the mission and philosophy of the City of Alpharetta to serve the citizens of Alpharetta. Association members are ambassadors for the City as well as their affiliate Association. While serving as a volunteer for the Association, members are expected to conduct themselves in an ethical and professional manner.

LEGAL AND ORGANIZATIONAL REQUIREMENTS

In order to qualify as a Youth Athletic Association ("Association") and to operate on City of Alpharetta ("City") property, each Association must adhere to certain minimum legal and organizational requirements. These requirements are a part of the Facility Use Agreement which must be signed by each Association prior to the operation of any activity on City property.

These requirements are necessary in order to insure the safety and well-being of all participating Associations.

The signing of the Facility Use Agreement indicates the Association's assumption of the financial responsibility for the program, as well as the management of the program participants and volunteers. The City will not be held responsible for the finances or the program management. Violation of the above mentioned responsibilities constitutes cause for the revocation of the agreement. The requirements are as follows:

1. NON-PROFIT STATUS

Each Association must register with the Secretary of State's office as a non-profit organization. Proof of current non-profit status must be on file with Alpharetta Recreation, Parks and Cultural Services ("Department").

2. BYLAWS

Associations shall furnish a current copy of their by-laws to the Department. By-laws must be on file or submitted with the signed Facility Use Agreement.

3. ELECTION OF OFFICERS

The Board of Directors ("Board") shall be the governing body of each Association for the operation of the affairs of the Association as documented in the bylaws. Each Association board must be comprised of a majority of Residents upon election or appointment, and each Association should strive to achieve a minimum of sixty percent (60%) Residents on the Board. The Board of Directors must be elected annually or as mandated by the Association's by-laws, but no less than once every two years, by the Association membership. A Department employee and a member of Alpharetta

Recreation Commission ("Commission") must be notified of and invited to attend all Board meetings. The Department Director will appoint the employee liaison to the Board. The Chairman of the Commission will appoint the Commission liaison(s) to the Board on an annual basis.

Open advertised election of the Board is mandatory. All members of the Association as defined by the bylaws shall have the opportunity to vote. A notice of upcoming elections must be sent to the Department, and shall be posted on the Association website at least thirty (30) days prior to the elections. Associations are encouraged to email notice of elections to all participant families and to post flyers at the park. Elections should be held in an easily accessible central location within the Association's primary park when there are normal Association activities scheduled at the park to provide the best opportunity for members to vote. Associations are also encouraged to provide a process for members to vote electronically.

To serve as a member of the Association executive committee, a candidate must have a child actively participating in the Association program at the time of the elections.

The Association shall consider any and all qualified candidates interested in running for a Board position. The Association nominating committee shall prepare a recommended slate of officers and submit to the City for review at least thirty (30) days prior to the elections. The slate of officers must be advertised along with the notice of elections. Nominees must successfully pass the City's criminal history check before being included in the slate of officers.

The Association must furnish a list of all elected board members, addresses, email addresses, telephone numbers (home and office) to the Department no later than one (1) month after the elections. City will verify residency and notify Commission liaison ofCity resident percentage of newly elected board.

Board members are expected to adhere to the City's volunteer code of conduct. Upon election to the board and no less than once every two years, board members shall review and sign the City's volunteer code of conduct.

4. ASSOCIATION MEETINGS AND ANNUAL MEETING

Upon request, Association must provide copies of meeting minutes from Association membership and board meetings to Association members and City. It is recommended that meeting minutes be posted on the Association website.

Each Association must schedule a minimum of one (1) annual membership meeting. This meeting shall be for the purpose of electing board members, and any other necessary business. Efforts must be made to contact all members, and the Department must be notified of the meeting. Notice of said meeting must be posted at Department facilities and on the Association website two weeks prior to meeting date.

5. CAPACITY PLAN

Each Association shall ensure that their total registration for each season does not exceed the capacity of the facilities available. Adequate time shall be allotted for each recreation team to practice and play games. Recreation teams shall have priority of field use for games and practices. Travel/select/elite teams shall be given available field time for practices and games after the recreation teams have been served.

Extra facility space is not available through the City. The Association may seek to utilize facility space at other non-City locations. The Association is financially responsible for field usage fees at non-City locations if applicable.

Field time not used by the Association reverts to the City for use as needed.

6. ASSOCIATION OPERATING BUDGET

Each Association must submit a formal budget to the City to coincide with the start of the Association's fiscal year. The submitted budget must detail revenues offsetting expenditures for the fiscal year, based on the Capacity Plan. Excess revenues should initiate an Association's review of program fees. Non-resident fees should not be included in the budget due to those fees being remitted to the City.

7. FINANCIAL REPORTS

The City assumes no responsibility for the financial well-being or outstanding debts of Associations. Each Association must provide the City with an annual Financial Statement to include a summary of operating income and expenses, capital expenditures, registration fees charged to participants, Federal and State tax returns, and profit/loss statement.

8. LIABILITY INSURANCE COVERAGE

- Each Association must provide comprehensive liability insurance coverage for all players, coaches, officials, volunteers, sub-contractors and all other association participants, minimum of $1,000,000 coverage stated for Project use, listing names and addresses of designated City venues (to be provided)

The City should be listed as an additional insured. A copy of the current liability insurance coverage policy should be on file with the City, submitted annually.

9. PARTICIPATION REPORTS

All Associations are required to submit a list of registered players to the Department no later than one (1) month after the end of the established program registration period. The listshall be provided in an electronic format (i.e. Microsoft Excel) and shall include each player's name, street address, and zip code. The Department will use the list to verify the resident status of registered players and shall not use the list to promote Department programs, without prior consent of the Association. After the City has verified residency of participants, the City will issue an invoice to the Association for non-resident fees payable to the City.

NOTE: It is imperative that participation information be sent to the Department as soon

as possible in order for Department to verify addresses. Association may send participant information at any time during their registration period for Department to check residency status of participants.

10. REGISTRATION

Associations are encouraged to provide registration dates to the Department in time for inclusion in Department program guides or other promotions. City will notify Associations of the deadline to submit information. The City provides a link to Association websites at www.alpharetta.ga.us. Associations must notify City of any web address changes. Associations are encouraged to establish Facebook events for seasonal registration dates, and to invite the Department page as a co-host at www.Facebook.com/AlpharettaRecreation.

11. CITY RESIDENCY REQUIREMENT FOR TRAVEL/SELECT/ELITE TEAMS

The mission of the Department is to provide quality programs and services to the citizens of Alpharetta. Youth select athletic programs provide high level athletic competition and opportunities for young people. Residency requirement guidelines ensure travel/select/elite teams are formed in the best interest of the City resident participants, to ensure City residents are fairly represented on these teams, to ensure City assets and resources are utilized in the best interest of City resident participants, and to foster long-term success of the Association's competitive youth athletic program.

GUIDELINES:

A. Open, advertised tryouts must be held prior to team formation. Players are not guaranteed positions on any teams prior to the first tryout date.
B. For these guidelines, the word "Resident" shall only include residents of the City of Alpharetta.
C. Each travel/select/elite team must have a minimum of 50% Residents.
D. Each travel/select/elite team must adhere to the COA guidelines and policy on team formation of Alpharetta Ambush Academy and Select teams dated May 18, 2010.

Each team roster must be verified by Department staff before a team can officially form. Teams that do not meet the minimum requirement will not be permitted to use City facilities for practices and games.

Any team that meets the required Resident percentages as noted above when the team is formed, but drops below the minimum percentage during the season due to no fault of their own (i.e. a Resident quits the team, gets injured, relocates, etc.) shall be allowed to exist and continue playing through the remainder of the season.

Any abuse of these guidelines or the intent of these guidelines may result in punitive action, up to and including immediate dissolution of a team.

12. FACILITY USE - RESTRICTIONS

Each Association is organized to provide league play for youth, including player evaluations, pre-season player and coach clinics, league practices, scrimmages, games, and post-season tournaments. All field use shall be coordinated with the Department using whatever methods are agreed to by the parties to insure proper preparation and care of the facilities. Hosting of camps and tournaments involving participants from outside the association's own program along with participants in the Association's own program

is allowed, but requires coordination with and written consent of the Department. Field rental fees and staff fees may be applicable. Associations must seek approval from the City to host outside camps and tournaments at the parks at least ninety (90) days prior to the proposed event. Staffing fees for these kinds of events may apply. The Association is specifically not permitted to sublet facilities to any individual or organization. The Association's Facility Use Agreement is for the Association's own use.

Associations may not schedule or host any activities at Wills Park on July 4th and 5th due to the City's annual July 4th celebration and fireworks, and day-after park clean-up. Associations may request special permission from the Department Director to schedule or host any activities at Wills Park on July 4th and/or 5th. The decision shall be made by the Department Director in his sole discretion.

The City reserves the right to restrict facility use on other dates when there are special events hosted by the City, the Department, or a non-City entity utilizing City facilities for a tournament, clinic, camp, etc. deemed appropriate and beneficial to the City. These dates, if applicable, will be included in the annual facility use agreement or will be communicated to the Association as soon as the dates are confirmed.

13. CAPITAL IMPROVEMENTS

The Department formally evaluates the condition of all park facilities and amenities twice per year. During these inspections, Department staff will determine whether or not facilities and amenities are in need of removal, repair, and/or replacement. Maintenance needs are prioritized by the Department based on safety, vandalism, functionality, aesthetics, etc.

During the City budget process (mid-year and/or fiscal year), Department staff will prepare a list of capital improvement projects to be recommended for funding. The list of projects shall include cost estimates and justification, and shall be presented to the Commission for review. The Commission shall prioritize the list of projects and may add or delete any projects recommended by staff. The Commission shall approve a capital improvements project budget request to be provided to the City Budget Review Committee and/or Mayor/Council for consideration during the budget process.

Association representatives are encouraged to identify capital improvement projects respective to the facility or facilities on which they operate. The list of projects should be prioritized by the Association Board and presented to the Commission liaison and the Department Director and/or his designee no later than early December prior to the start of the budget process. The Director determines whether or not to include recommended projects in the list that is given to the Commission. Financial partnerships (50/50) between the Associations and the Department are encouraged.

14. ANNUAL PRESENTATION

The President/Commissioner of the Association will be invited to the December meeting of the Commission in order to make a brief presentation on the activities of the Association during the past year and its plans for the following year. Each Association representative will be asked to submit a written report electronically to the City at least one week prior to the meeting. Presentation at the meeting and submission of a written report are both mandatory annual requirements.

15. CHANGES TO PROGRAM CONTENT, STRUCTURE, PHILOSOPHY, ETC. Each Association shall communicate to the Commission liaison(s) and employee liaison(s) any and all substantial changes in their program. For this purpose, a **substantial change** shall be defined as any change in the philosophy, mission, and organization of the Association which would impact the delivery of expected service to any and all program participants, current and future.

This includes but is not limited to the following:

- Addition/elimination of any age or skill level
- Addition/elimination of any component of overall program content (i.e. cheerleading, flag football, fast pitch softball, out-of-park All Stars, Sunday select, summer or winter league play, etc.)
- Association by-laws
- Board structure and composition
- Schedule of fees for participants
- Anything that would be in direct conflict with existing City/Department policies

Association shall notify liaisons as soon as the idea for a substantial change is included on an Association meeting agenda. Upon notification by the Association, the Commission and/or employee liaison shall communicate the information to the Department Director or his/her designee. Before any action shall be taken by the Association to implement the substantial change, the Association shall prepare a written proposal outlining the planned change to include justification for the change; benefits of the change to the Association, citizens of Alpharetta, and the City; communication plan to inform the general public; timeline for implementation; financial impact to program participants (if any); legal requirements (if any); etc. It shall be at the sole discretion of the Department to determine if an in-depth written proposal shall be required. This will be determined on a case-by-case basis, depending on the nature of the proposed change.

The Department shall determine the level of approval needed for the Association to implement the substantial change. The approval levels are noted as follows:

a. Association Board and members only
b. Department Director or his/her designee
c. Recreation Commission Sub-Committees
d. Alpharetta Recreation Commission
e. Alpharetta Mayor and City Council

18. SPONSORSHIPS/ADVERTISING

Associations are not permitted to display permanent advertising signage of any kind on fences, dugouts, concession buildings, grounds, roadways, etc.

Associations are allowed to seek sponsors to help offset expenses associated with administering their programs and to create a revenue stream for Associations to assist the City in funding capital projects benefitting the parks and facilities they use. Associations are not permitted to obtain sponsorships, including direct financial aid and/or in-kind

donations, from any religious organization, individuals, and businesses that compete with contractual obligations of the City. Sponsors must be in good taste and appropriate for City park environment (i.e. alcohol and/or tobacco-related products/businesses are not allowed to advertise in City parks).

Associations must request in writing to the Department Director permission to display sponsor banners in the parks. With approval of the Department Director, sponsor banners may be displayed on fences only during games. All banners must be taken down immediately at the conclusion of the last game of the day.

Associations are encouraged to support the City's Scoreboard Sponsor Program as a fundraising opportunity for Associations. Associations are assigned certain scoreboards and may sell advertising on these scoreboards per the terms of the City's Scoreboard Sponsor Program. Contact Department Director or his/her designee for information on the City's Scoreboard Sponsor Program.

REQUIREMENTS OF ASSOCIATIONS

1. FACILITY USE AGREEMENT

Any Association operating on City property must sign a Facility Use Agreement with the City. The agreement is issued prior to the start of the calendar year and specifically identifies the facilities to be used by the Association and the terms of that use.
Adherence to all policies and procedures in this manual is considered part of the Facility Use Agreement. The City retains the right to change these guidelines and policies at any time, without advance notice, as it deems appropriate. Any changes will be communicated to the Association within five (5) business days after the change has been made and approved.

In accordance with O.C.G.A. § 36-60-13, this agreement may be renewed for one (1) successive one (1) year term if, prior to the expiration of the then existing term, the parties execute a written agreement to renew same for a one (1) year term. For any such subsequent terms, facilities, dates, times, fees, and any modifications to the agreement will be determined by written agreement of the City and Association.

With respect to renewal of this agreement, any Association currently holding a Facility Use Agreement will receive priority, unless the City has reason to revoke the agreement. Facilities not in use will be distributed on a first come first served basis.

2. COACH CERTIFICATION AND TRAINING

Association must provide coach certification and/or training for all head and assistant coaches of each team. It is the responsibility of the Association to ensure that their volunteers complete all legally mandated training programs before being permitted to coach a team. Association must provide documentation of such training to the City upon request.

A comprehensive training program should include but not be limited to the information listed below:

- Sport Specific Training
- How to Organize Practices
- Communication with Parents
- Basic First Aid and CPR/AED
- Concussion Awareness Training
- Mandatory Child Abuse Reporting Requirement
- Severe Weather Policies and Procedures
- Heat and Hydration Guidelines
- Association Mission/Expectations
- Association Relationship with the City

3. SELECTION OF COACHES

Associations are responsible to select qualified coaches for their program. Each Association shall establish their own criteria to determine qualifications of coaches, such as coaching experience, past playing experience, etc.

4. FEES AND CHARGES

Note: Each Association will adhere to fee policies set by the City, including fees that may not yet be currently established.

Registration Fees

All registration fees shall be fair and equitable to all participants. Associations shall communicate to participants what the registration fee covers, including the number of practices and games per season. Registration fees shall be derived from predicted costs to operate the program, to fund Association operations, and to fund park capital improvements (current and future) that mutually benefit the City and Association.

Registration fees shall include the total cost of operating the association's program to include but not limited to; cost of uniforms, player awards, umpires/officials, equipment for the league/teams, first aid supplies, marketing, web administration, general maintenance of facilities, etc.

Non-Resident Fees

All program participants who reside outside the city limits of Alpharetta will be assessed a non-resident fee. Association shall pay the City non-resident fees for each Association non-resident participant in their program. This fee shall be paid for each athletic season held each year (fall, winter, spring, and/or summer), and must be paid to the City no later than three (3) months after the end of the last game of the season. Association non-resident fees shall be calculated at 75% more than the resident registration fee.

Note: the dollar amount of the Association non-resident fee shall not exceed the highest non-resident fee charged to participants in youth athletic programs managed directly by the Department. (Department's highest recreation league non-resident fee shall be the

maximum for the Association's recreation league non-resident players. Department's highest travel/select league non-resident fee shall be the maximum for the Association's travel/select/division 1 league non-resident players.)

At least two (2) weeks before the advertisement/announcement of registration and non-resident fees for a particular season, the Association must submit a fee schedule to the Department. The Department will review the fee schedule, and will have final approval of any and all non-resident fees.

The Association will be responsible for the determination of city residence during the registration period. Within one (1) week after receiving the Association's participation list with addresses, the Department will verify player residency and report information to theAssociation. The non-resident fee will be paid directly to the City of Alpharetta based onthe Department's verification of player residency. The Association is responsible for remitting non-resident fees for all non-City participants, regardless of whether or not it was collected by the Association.

City of Alpharetta employees and their immediate family members, regardless of where they reside, are considered Residents and may register during the Resident registration period. Non-resident fees are waived for these participants. Associations should contact the Department to verify employee status.

Scholarships
The Association should make available a reasonable number of scholarships for participants requiring assistance. The Association shall determine the eligibility criteria for scholarship recipients and shall determine whether or not to charge non-resident fees to scholarship recipients. Regardless, the Association is responsible to pay the City non-resident fees for non-resident scholarship recipients to the City.

Admission Fees
Associations are not allowed to require an admission fee to any normal association play. Admission fees may be collected for tournament play or other special events, upon approval of the Department. The Association must submit a letter of request in order to have an admission fee request approved.

5. PROGRAM/FACILITY SCHEDULES

Associations are required to submit all master schedules to the Department prior to the beginning of use of any City facility. This includes tryout dates, practice schedules, opening ceremonies, game schedules, special events such as player clinics, travel team schedules, etc. These schedules should be submitted thirty (30) days prior to the beginning of any program. Facility use outside the scope of the Facility Use Agreement must be requested through the Department and is not guaranteed.

6. SAFETY/ACCIDENT PREVENTION

Associations are responsible for operating their programs in a safe and effective manner. All fields, equipment and other facilities should be inspected before each use.

Associations should have an adequate number of adults present at each scheduled activity to supervise the participants from the outset to the close of the program. League officials are responsible for insuring that all programs are operated under safe weather conditions. Safety plans should be implemented in case hazardous situations should occur.

7. DISCRIMINATION

Associations must provide equal opportunity without regard to race, color, religion, sex, national origin, age, veteran's status, and disability. Associations must comply with the Americans With Disabilities Act (ADA) of 1990 and provide reasonable accommodations to members of the public, if so requested, unless participation would create a risk to any participant.

8. MAINTENANCE/FACILITY UPKEEP

The Department will be responsible for all field and facility preparation for all practices and games. This includes game day facility preparation, grass mowing, and lining of baseball and softball fields. Parks Services staff will prepare fields only once per day, usually in the morning. Staff is not available to prepare fields on Sundays. Staff is not responsible for lining of grass football fields.

Associations are responsible to report any and all facility maintenance issues to the Department as soon as they are noticed.

Associations are required to provide safe sports equipment for participants.

Associations are responsible for picking up litter around facilities and placing it in proper receptacles after the conclusion of a scheduled program. This includes playing areas, walkways, restrooms, press boxes, concession stands, dugouts, etc.

Associations should take proper steps to ensure that scheduled activities do not infringe on park neighbors or other park users. This includes reducing excessive noise, excessive traffic, parking problems, etc.

9. WEATHER POLICIES

The Department will determine if fields are playable. Associations will be notified as early as possible if the fields are not playable. Associations are prohibited from field use if the field has been deemed "unplayable." In the event of inclement weather after the Department's normal business hours, the Association is responsible for determining field playability. Associations are expected to exercise good judgment in determining if a field is playable, keeping the safety of the players foremost.

Associations must adhere to the **City's Severe Weather Policy**. For the safety of all, the City of Alpharetta observes the following severe weather procedures for all outdoor programs: Any flash or sound (thunder) which indicates diminishing weather conditions will result in the immediate suspension of any outdoor activities for a safe waiting period of **thirty (30) minutes**. All participants will be encouraged to seek shelter immediately.

Department staff and/or on-site supervisors will monitor conditions during this time. Subsequent flashes or sounds will result in an extended safe waiting period until it is determined by staff or on-site supervisor either that conditions are safe to resume scheduled outdoor activities, or that conditions have deteriorated to the point of canceling the outdoor activities.

Associations that do not have their own established **Hydration and Heat Guidelines** must adhere to the Hydration and Heat Related Guidelines observed by the Department. In summary, outdoor activities must be canceled if the WBGT (Wet Bulb Globe Temperature) is over 92 degrees. Additional guidelines also apply. A copy of the guidelines in their entirety will be provided to Associations.

Associations that do not have their own established **Cold Weather Policy** must adhere to the Cold Weather Policy observed by the Department. The policy is as follows: If the official Alpharetta, GA temperature according to www.weather.com is forecasted to be 30 degrees or lower at the time of the scheduled practice or game, it is recommended that the scheduled event be cancelled. If the temperature reaches 25 degrees, it is mandatory the event be cancelled.

The Department may cancel and/or postpone all youth programs and activities whenever Fulton County Schools are closed for inclement weather. If Department cancels programs, Associations shall also cancel programs.

10. CONCESSIONS OPERATIONS

Associations must comply with Fulton County Health Department regulations for concessions operations. Associations are required to purchase their own supplies and equipment, such as microwave, popcorn machine, nacho machine, crock pot, etc.

Associations are required to comply with the terms and conditions of City contracts with food and/or beverage providers for concession operations. Failure to adhere to the terms of any City contracts with concessions providers may result in termination of the facility use agreement. Contact the Department Director or his/her designee for information on current contracts.

Each Association that utilizes the services of a contract vendor ("for-profit" business or individual) to provide concession operations is required to pay the City 15% of all gross receipts from concessions. Gross receipts will constitute any and all revenues collected from sales of concessions. This 15% must be paid directly to the City and held by the City for projects the Association requests (in escrow). Projects for future park improvements require Department Director and Recreation Commission approval. All capital improvements must be completed prior to the start of the following season unless the City agrees that it is in the best interest of the City to delay the completion of the capital improvement.

Each Association that utilizes volunteer board members and/or parents to operate the concession stand is not required to remit a percentage of revenue to the City.

Concession facilities must be cleaned after each use and at the end of the season. Necessary building maintenance and vandalism should be reported to the City.

11. RESTROOMS

It shall be the responsibility of Associations to insure that restrooms are inspected after each program session. The City is responsible for the supply of paper products and general maintenance that may occur.

12. SECURING OF FACILITIES

An Association Board member, Coach or Club Approved Field Marshall should be responsible for securing facilities after each use, including all practices and games. This includes closing and locking of all buildings, the turning off of all lights and scoreboards, and ensuring all necessary gates are closed and secured. Association board members and coaches are asked to turn off lights and scoreboards immediately following the last practice or game of the night, instead of waiting for the timer to take effect.

13. KEYS

Keys to all required facilities will be distributed to the Commissioner/President of the Association, and may be distributed to the necessary individuals. A list of all individuals who have keys in their possession shall be submitted to the Department. The Association is responsible for returning all issued keys at the conclusion of the program. Any unreturned keys are subject to a fine at the discretion of the City. Periodically, the Department will change the locks and/or combinations to buildings, gates, and electrical boxes. The Department will notify affected Association of any changes, and will supply new keys/combinations as needed.

14. PUBLICITY

Associations must provide the Department with information at least two (2) weeks prior to publicizing the information to past and potential participants and on the Association website. The purpose of this is to ensure that guidelines for registration and fee structures (resident/non-resident) are followed by each Association. The Department will review information and notify Association within five (5) business days if any changes need to be made in order to comply with established guidelines.

The Department will provide links to Association websites on the City's website, www.alpharetta.ga.us. The Association must notify the City if the web address changes. Associations may request assistance from the City to help with marketing of registration. City may send news releases to local media outlets, email notifications to Department participants, include information in the City's e-newsletter and the Department's Facebook page. The City will not pay for Association advertising, flyers, mailings, etc.

15. PUBLIC USE OF FIELDS

The Facility Use Agreement applies only to organized league play for the duration of the agreement as specified on the agreement. Unless otherwise scheduled, the facilities are available to the public on a first come first serve basis, or may be rented by the Department to outside groups for activities deemed appropriate and beneficial to the City.

The terms of any facility rental agreements between the Department and outside groups are established and agreed upon solely by the City and the group renting the City's facilities. These agreements are independent of the lease agreements with the Associations. The City will not rent facilities to teams and programs that compete with the City's partner Associations. The City may host large tournaments through the Alpharetta Convention and Visitors Bureau.

16. ACCIDENT/INCIDENT REPORTS (attached)

The Association is responsible for filing an accident/incident report to the City which documents the details of any accident, injury, or incident which occurs on City property. The report should detail what occurred, the time of the accident/incident, where it occurred, who was involved, and who witnessed the accident/incident and filed the report. A copy of the accident/incident report is included in this manual. The report shall be submitted to the Department within two (2) working days of the accident/incident. Any and all accidents/incidents must be reported!

17. PARTICIPANT EVALUATIONS

All participants in Association programs must be given an opportunity to complete a participant evaluation at the conclusion of each athletic season in which he/she participated. The evaluation should include questions pertaining to the administration and organization of the program (i.e. ease of registration, quality of the coaches, program structure, program content, etc.), and the condition and appearance of the Department facilities. The Association should ask participants for comments and suggestions to improve the program. A summary of participant evaluations should be prepared and distributed to the Association Board, the Department, and the Recreation Commission within two (2) months at the end of each season. Upon request, the Association must make completed participant evaluations available to the Department and/or Commission. The City reserves the right to conduct independent participant surveys.

18. GRIEVANCE PROCEDURE

All participants must have due process to address any grievances with the Association's Board at a scheduled meeting.

19. COMPLAINT PROCEDURE

Any written complaint regarding a coach, league official, umpire, etc., should be copied to the Department Director.

20. BACKGROUND CHECK - VOLUNTEERS

All Association board members and any individual who wants to coach a youth team shall go through the City's criminal history background check once per calendar year. All potential volunteers must complete the Request for Criminal History form and provide a copy of valid photo identification. An Association representative shall be designated to collect the documentation and shall submit this to the designated Department staff, who will coordinate with Alpharetta Department of Public Safety.

The City's Human Resources Department personnel confers with the Department Director on any problematic criminal history background checks. Any individual who does not meet City standards for criminal history background check will not be allowed to coach in the youth league and should not be assigned a team. Potential volunteers who refuse to provide information necessary to complete the criminal history background check shall not be allowed to volunteer.

NOTE: Associations are responsible for collecting and submitting criminal history background check documentation (forms and photo ID) at least one (1) month prior to finalizing team coaching assignments. This will allow ample time for the criminal history background check to be completed. Association will be notified of any and all potential volunteers who do not successfully pass the City's criminal history background check. It is the Association's responsibility to inform volunteers of the outcome of their criminal history background checks. The City provides a process for any denied application to request an appeal of decision. This information is available upon request. The Department strongly encourages all Associations to submit background checks for potential assistant coaches.

21. BACKGROUND CHECK – OFFICIALS AND UMPIRES

Each Association who has a contractual agreement with an outside vendor to provide officiating services for the Association shall require, as part of the written agreement, that all officials/umpires who will be scheduled to officiate at Association activities complete a criminal history background check prior to officiating any games for the Association. The criminal history background check should be performed once per calendar year. The Association shall require appropriate documentation of completion of background checks. Documentation must be maintained on file by the Association.

22. MANDATORY REPORTING LAW

Volunteers who work with children are required by law to report suspected child abuse. The mandatory reporting requirement is a provision in HB 1176, the criminal justice reform bill signed by Governor Nathan Deal on May 2, 2012. Specifically, HB 1176 changed the definition of "child service organization personnel" to include volunteers. The law defines "child service organization personnel" as follows: "Child service organization personnel" means persons employed by or volunteering at a business or an organization, whether public, private, for profit, not for profit, or voluntary, that provides care, treatment, education, training, supervision, coaching, counseling, recreational programs, or shelter to children."

It will be the responsibility of each Association to ensure that all volunteers and contracted vendors are notified of the law. All Association volunteers must complete a training program before being allowed to serve as a volunteer for the Association. The City will provide access to online training for volunteers as available.

23. CONCUSSION AWARENESS POLICIES AND PROCEDURES

HB 48 by the Georgia Legislature requires agencies to educate youth athletes and their parents on the dangers of concussions in youth athletic activities. The Georgia Department of Public Health is referring everyone to the "Heads Up – Concussion in Youth Sports" program offered by the CDC. The following is a link to the program: http://www.cdc.gov/concussion/HeadsUp/online_training.html.

It is the policy of the Department to educate coaches, referees, employees, instructors of at-risk activities, trainers, parents, and participants of the signs, symptoms and behaviors consistent with sports- and activity-induced concussions. Further, the Department requires that any participant, under the age of 18, suspected of a concussion or head injury must be removed from the activity and it is recommended that the participant be examined by a licensed health care provider. If a participant is deemed by a licensed health care provider to have sustained a concussion, Department personnel or other designated personnel (coaches, referees, instructors of at-risk activities, trainers, and parents) shall not permit the participant to return to play until he or she receives documented clearance from a licensed health care provider for a full or graduated return to play.

A full copy of the Department's policies and procedures is available upon request.

FACILITY GUIDELINES AND ORDINANCES

Associations are responsible for adherence to all City and park ordinances.

1. HOURS OF OPERATION

City facilities open at 8:00am and close at 11:00pm. Associations are not allowed to conduct a program prior to 8:00am and after 11:00pm, unless prior written approval has been given by the Department.

2. USE OF PARKS FOR GOLF PRACTICE

Parks may not be used for golf practice, with the exception of disc golf which is permitted at the disc golf course at Wills Park.

3. MOTOR VEHICLES IN PARKS

Motorized vehicle operation is restricted to prescribed paths, marked roadways, driveways and parking lots. This also applies to parking in areas other than designated parking spaces. Unauthorized vehicles are not allowed in "plaza" areas of ball fields without permission from the Department.

4. LITTER CONTROL

It is unlawful to litter. Each Association is responsible for insuring that all fields, parking lots, restrooms, dugouts, bleachers, concession areas, etc. are kept clean and litter free on a daily basis. Clean up fees may be assessed to Associations not adhering to this policy. All litter should be picked up and placed in the proper containers.

5. ALCOHOL BEVERAGES

Per City ordinance, the selling or consumption of alcoholic beverages on park property is strictly prohibited.

6. TOBACCO USE

Per City ordinance, the use of any and all tobacco products on park property is strictly prohibited.

7. ANIMALS IN PARKS

Other than service animals, it is against park regulations for any individual who possesses or is in charge of a domestic animal, restrained or unrestrained, to bring the animal onto any athletic field. It is the owner's responsibility to remove any animal excrement deposited by their animal on park property and dispose of it in a sanitary manner. For the safety of all, pet owners are required by law to obey Fulton County leash laws while visiting city of Alpharetta park facilities.

8. NOISES AND SOUNDS PROHIBITED

It is unlawful for any person to make, continue or cause to be made any loud, unnecessary or unusual noises that annoy, disturb, injure, or endanger the safety or comfort of others in the area.

9. CLOSING OF BALLFIELDS

The Department may close to the Association and/or public any ballfield or facility for maintenance purposes. Such facilities will be posted, and it is unlawful for any person to enter a closed facility.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

PARK/FACILITY REGULATIONS

1. Associations conducting youth activities on City facilities must have at least one (1) adult present for every fifteen (15) youth participating in an activity to supervise all scheduled activities from the outset to the conclusion of the activity.

2. Participants, Spectators, Parents, Coaches, or Officials of an organization must display appropriate conduct while operating activities on City facilities and must adhere to the Department's Code of Conduct. A copy of this document is available upon request. Association is responsible to provide this information to the appropriate parties. Continuous failure to do so could result in the termination of this agreement.

3. The Association shall be responsible for any damage incurred to the facilities while in use by the Association. Persistent damage to City facilities while in use by the Association could result in agreement revocation

4. The Association is responsible for policing the area around athletic fields, plaza areas, parking lots, rest rooms, concession stand, dugouts, and walkways. This must be completed upon the conclusion of each activity.

5. Association representatives are responsible to report any/all suspicious activity occurring on City property to the Department and/or to the City's Department of Public Safety.

6. The Department will supply locks for all required facilities and structures. Keys and/or combinations will be distributed as per Department policy.

7. The City shall be responsible for mowing the grass, moving bleachers, general maintenance, etc., unless otherwise specified in the agreement.

8. A designated Association member must make sure the facilities are secure and all lights turned off before departing the area.

9. The Department reserves the right to cancel any scheduled activities when it is believed that such use as during bad weather would damage facilities or put participants at risk.

10. Bicycles, roller blades, skateboards are prohibited on walkways or other designated areas.

11. No game shall begin after 10:00pm; every effort should be made to conclude by 11:00pm.

12. Questions, recommendations, complaints, etc. regarding park facilities and operations should be directed to the Department: 678-297-6152, athleticprograms@alpharetta.ga.us.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

DEPARTMENT PERSONNEL AND CONTACT INFORMATION

Director		
Morgan Rodgers, CPRP	678-297-6103	mrodgers@alpharetta.ga.us
Administrative Office Coordinator		
Amber O'Dwyer	678-297-6104	aodwyer@alpharetta.ga.us
Projects Manager		
Kurt Kirby, CPRP, CPO, CPSI	770-740-1034	kkirby@alpharetta.ga.us
Wills Park Manager – *Park Facilities, Equestrian Center*		
Matt Casey, CPRP	678-297-6122	mcasey@alpharetta.ga.us
Parks Services Manager – *Park Supervisors, Greenway*		
Eric Milley, CPO, CPSI	678-297-6106	emilley@alpharetta.ga.us
Park Supervisor II		
Barry Pike (Wills Park)	678-297-6125	bpike@alpharetta.ga.us
Chris Anderson, CPSI, CPO (North Park)	770-751-7840	canderson@alpharetta.ga.us
Nate Hand, CPSI (Webb Bridge)	770-751-7841	nhand@alpharetta.ga.us
Administrative Assistant II - *Parks*		
Ruby Flynn	678-297-6123	rflynn@alpharetta.ga.us
Community Services Manager		
Amanda Musilli	404-314-1245	amusilli@alpharetta.ga.us
Marketing Coordinator		
Deanna McKay	678-879-2568	dmckay@alpharetta.ga.us
Cultural Arts Services Manager		
Kim Manning	678-297-6078	kmanning@alpharetta.ga.us
Alpharetta Arts Center	678-297-6135	arts@alpharetta.ga.us
Recreation Services Manager		
Christine Young	678-297-6154	cyoung@alpharetta.ga.us
Recreation Centers/Program Areas		
General Information	678-297-6100	recreation@alpharetta.ga.us
Athletics Supervisor	678-297-6163	athleticprograms@alpharetta.ga.us
Alpharetta Community Center (Wills Park)	678-297-6100	accprograms@alpharetta.ga.us
Alpharetta Adult Activity Center (North Park)	678-297-6140	activeadults@alpharetta.ga.us
Wills Park Recreation Center (Wills Park)	678-297-6130	wprcprograms@alpharetta.ga.us
Wills Park Pool, Aquatics and Wellness	678-297-6153	aquatics@alpharetta.ga.us

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

City of Alpharetta
Accident / Incident Report Form

Date of accident/incident_____ **Time of accident/incident** _____
Facility where accident/incident occurred _____
Specific location of accident/incident within the facility _
Number of persons involved_____ **Police notified Y N EMS notified Y N**

Information on persons involved in the accident/incident:

NAME (please print)	PHONE	Under the age of 18
	Day: **Evening:**	
	Day: **Evening:**	
	Day: **Evening:**	

Information on witnesses to the accident/incident

NAME (print)	SIGNATURE	PHONE
		Day: **Evening:**
		Day: **Evening:**
		Day: **Evening:**
		Day: **Evening:**

ACCIDENT/INCIDENT SUMMARY: _____

If applicable, who offered treatment options

_____

Did the injured party waive treatment Y N
****Photos of accident/incident site taken Y N**
Person completing form _____ _____ _____
(Print name) Signature Date
Person completing form _____ _____
Day phone Evening phone

** Take photographs of the accident/incident site as soon as practical but within 24 hours of the accident/incident
Fax or email completed form to **Safety/Risk Administrator at 678-297-6292 or dnelson@alpharetta.ga.us; and City at 678-297-6154 or recreation@alpharetta.ga.us.**

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

ASSOCIATION CHECKLIST

REQUIRED ANNUALLY AND/OR BEFORE SEASON BEGINS EACH YEAR;

DESCRIPTION	DUE*	DONE
Proof of Non-profit status submitted to ARPCS	On file each year	_____
Current Association by-laws to ARPCS	On file each year	_____
Copy of Certificate of Insurance naming ARPCS as a certificate holder	On file each year	_____
Open election of Board of Directors	On file each year	_____
Annual membership meeting	Annually	_____
Coach Background Check Consent Forms	Annually	_____
Signed Facility Use Agreement	Annually	_____
Financial Statements – **to include the following**;	Annually	_____
1. Summary of operating budget, income and expenses 2. Summary of capital expenditures 3. Registration fees charged to participants 4. Federal and State tax returns 5. Profit and Loss statement		
Slate of nominated officers and home address to ARPCS	30 days before elections	_____
List of elected officers to ARPCS	One month after elections	_____
Rosters to ARPCS	One month after end of registration period	_____
Master Schedule to ARPCS (tryouts, practices, games)	1 month before season	_____

REQUIRED AFTER THE SEASON ENDS;

DESCRIPTION	DUE*	DONE
Participant Evaluation Summary to ARPCS	2 months after each season	_____
Payment of Non-Resident Fees to City	3 months after each season	_____
List of Certified Coaches to ARPCS	Provide upon request	_____

REQUIRED SEASONALLY/AS NEEDED;

DESCRIPTION	DUE*	DONE
List of key holders to ARPCS	Update as necessary	_____
Accident/Incident Reports	As necessary	_____
Copy of Coach Complaint to ARPCS	As necessary	_____
Information for ARPCS promotions	TBD by ARPCS	_____

**Due Dates for each Association will be discussed and agreed upon with each Association Commissioner/President during the contract review process. Some Due Dates will vary per Association, based on Association fiscal year.*

Note: ARPCS = Alpharetta Recreation, Parks and Cultural Services

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENT

This agreement, made this 12th day of December 2022, is entered into by and between the City of Alpharetta, a municipal corporation of the State of Georgia, located at 2 Park Plaza, Alpharetta, Georgia, 30009 ("City"), and the Alpharetta Ambush Soccer Club, Inc., a non-profit corporation located at 10945 State Bridge Road, Suite 401-315, Alpharetta, GA 30022 ("Association"). The City and the Association are sometimes referred to in this agreement collectively as the "Parties".

WITNESSETH:

In consideration of the mutual agreements contained in this document, the City and Association agree as follows:

1. The Association agrees to provide a youth sports program (organized league play) as a service for the City in accordance with all policies and procedures for youth sports associations operating on city property previously set forth, (including the Youth Athletic Association Facility Use Agreement and Organizational Requirements) and attached in this agreement.

2. This Facility Use Agreement shall begin on the Effective Date and terminate on December 31, 2023. Thereafter, in accordance with O.C.G.A. § 36-60-13, this agreement may be renewed for one (1) successive one (1) year term if, prior to the expiration of the then existing term, the Parties execute a written agreement to renew same for a one (1) year term. For any such subsequent terms, facilities, dates, times, fees, and any modifications to the agreement will be determined by written agreement of the City and Association.

3. The City agrees to authorize the Association the use of fields and facilities as listed below at Webb Bridge Park & Innovation Sports Complex. The agreement includes use of all support structures (dugouts, lights, press-boxes, concession stands, storage facilities, bleachers, batting cages, fencing, etc.) for approved league play unless otherwise specified. See Exhibit A for detailed information on days and times of approved use of fields and facilities.

4. The Association agrees the facilities will be used in a safe manner, and in compliance with all applicable federal and state laws and City ordinances, rules, and regulations.

5. Association shall not cause or permit damage or injury to the facilities. No alteration, addition, or improvement to the facilities shall be made by the Association without prior written consent from the City. Such alterations, additions, or improvements shall become and remain City property.

6. Failure of the City to insist upon strict performance of any term or condition of this agreement shall not be a waiver of any right or remedy the City may have and shall not be a waiver of any subsequent breach of terms or conditions.

7. The City may enter the facilities at any time during the period of this agreement for inspection or supervision as deemed necessary. Nothing within this agreement shall be construed as a waiver of governmental immunity by the City, its officers, or employees.

8. It is agreed and understood that the Association shall indemnify and hold the City, its agents, and employees harmless from any and all liability, costs, legal fees, expenses, damage or injury to participants or property, and any claim or causes of action arising out of the performance of this agreement or negligence.

9. This agreement may be modified only by a written agreement between the City and the Association.

10. It is the understanding of the City and the Association that nothing contained in this agreement shall be interpreted to assign to the Association any status under this agreement other than that of an independent Association.

11. Nothing within this agreement shall be construed as a waiver of governmental immunity by the City, its officers, or employees.

12. For the purpose of this agreement, any notices required to be sent to the Parties shall be mailed to the following respective addresses:

ASSOCIATION NAME:	Alpharetta Ambush Soccer Club, Inc.
ADDRESS:	10945 State Bridge Road, Suite 401-315
CITY/STATE/ZIP:	Alpharetta, GA 30022
PHONE:	678.353.4027
WEBSITE:	www.alpharettaambush.org
EMAIL:	ambushsc@info.com

CITY:	Alpharetta Recreation, Parks & Cultural Services
	Attn: Recreation Manager
	2 Park Plaza
	Alpharetta, GA 30009
	678.297.6154
	recreation@alpharetta.ga.us

13. It is agreed between the City and the Association that this agreement shall be executed in an original and one copy, which may be used for any purpose for which the original may be used.

14. The City has designated the Recreation Manager for the City as its contact person, coordinator, and liaison person with the Association in the execution of the terms of this agreement.

15. The Association shall not have the right to assign the interest it holds in this agreement.

16. The facilities shall not be used for any purpose other than those designated within this agreement, without the written consent of the City.

17. The Association may not deny participation in any park or program based on race, color, national origin, religion, sex, age, or disability.

18. The Association members agree to abide by all City policies and procedures as attached in this agreement.

19. The Association will adhere to fee policies set by the City, including fees that may not yet be currently established.

20. This Agreement shall not be assigned or subcontracted in whole or in part without the prior written consent of ARPCS. This Agreement shall be construed under and governed by the laws of the State of Georgia. This Agreement is the complete understanding of the Parties in respect of the subject matter of this Agreement and supersedes all prior agreements relating to the same subject matter. The Parties may modify this Agreement only by written instrument signed by each of the Parties hereto. Failure by either party to enforce a provision of this Agreement shall not constitute a waiver

of that or any other provision of the Agreement. The invalidity or unenforceability of any provision of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement.

21. The Association acknowledges and agrees that by virtue of the fact that the fields and other facilities made available to the Association under this Facility Use Agreement were funded by the taxpayers of the City and are owned by the City, and further due to the fact that the recreation fees generated from the availability of such fields, the Association is subject to the Open Records and Open Meeting laws of the state of Georgia. The Association agrees to comply with those laws. To the extent that the Association is uncertain or needs assistance as to proper compliance with such laws, the City shall provide such assistance and guidance. The Association further agrees that all books and records of the Association shall be made available to the City of Alpharetta as and when requested for review or audit.

22. City shall have the right to terminate this Agreement upon failure of Association to perform its obligations to the satisfaction of City. Prior to exercising this right of termination, City shall provide Association with a written notice specifying Association's failure to perform and providing Association with a reasonable opportunity to cure its performance. In the event that Association fails to cure its performance, or in the event of subsequent failure to perform, City shall have the right to immediately terminate the Agreement by providing written notice of termination to Association.

    Association shall have the right to terminate this Agreement upon failure of City to perform its obligations to the satisfaction of Association. Prior to exercising this right of termination, Association shall provide City with a written notice specifying City's failure to perform and providing City with a reasonable opportunity to cure its performance. In the event that City fails to cure its performance, or in the event of subsequent failure to perform, Association shall have the right to immediately terminate the Agreement by providing written notice of termination to City.

    Either party may terminate this Agreement at any time without cause upon ninety (90) days written notice to the other party.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENT

I hereby acknowledge and understand that the Association of which I am authorized to represent will abide by and comply with the terms and conditions as set forth in this Facility Use Agreement as well as all of the policies, procedures, guidelines, and rules contained within the City's Youth Athletic Association Handbook. I understand that failure of the Association or any of its members to comply may result in termination of this Agreement with the City.

ALPHARETTA AMBUSH SOCCER CLUB, INC.

By:_____

Print Name:

Title:

CITY OF ALPHARETTA, GEORGIA

By:_____

Print Name: Jim Gilvin

Title: Mayor, City of Alpharetta

APPROVED AS TO CONTENT:

By:_____

Print Name: Morgan Rodgers

Title: Recreation, Parks & Cultural Services Department

APPROVED AS TO FORM:

By:_____

Molly Esswein, City Attorney

EXHIBIT A – 2023 Facility Use Agreement

Annual Association Schedule

EXHIBIT A – 2023 Facility Use Agreement Annual Association Schedule for Alpharetta Ambush Soccer Association

MOU WITH CITY OF JOHNS CREEK

The City of Alpharetta Mayor and Council Members approved a resolution to enter into memorandum of understandings (MOU's) with the City of Johns Creek. The "Parks without Borders" MOU provides for a mutual waiving of non-resident fees for residents of each city who participate in the partner city's recreational soccer program. The MOU also allows residents of each partner city to register for the other city's recreational soccer program during the second week of registration instead of during the third week of registration. This MOU shall be in effect for the 2023 seasons, and shall be renewed automatically with registration through the 2024 seasons unless either City delivers written notice of non-renewal to the other City at least ninety (90) days prior to the expiration of the term or any renewal term.

FIELD SPACE ALLOCATION FOR 2023

Field space at Webb Bridge Park and Innovation Sports Complex will be allocated by the City to the Association based on demonstrated need by the Association. Association shall use field space solely for the purpose of providing organized Association activities including but not limited to: team practices, games, end of season tournaments, player clinics, coach clinics, referee clinics, camps, and tournaments organized solely by Association officials. The City reserves the right to use unscheduled field space for other activities, tournaments, camps, rentals, etc.

SPRING SEASON – January 1, 2023 – May 21, 2023:

- Monday-Friday from 4pm to 11pm
- Monday-Friday before 4pm may be available upon request
- Saturday and Sunday from 8am to 11pm
- North Park Field 1 or 2 dependent upon availability.
- EXCEPTION to spring season field usage is as follows:
  - Additional tournaments and events may be added after the execution of this use agreement

SUMMER SEASON – May 22, 2023 – July 30, 2023:

- Monday-Friday from 4pm to 11pm
- Monday-Friday before 4pm may be available upon request
- Saturday and Sunday from 8am to 11pm
- North Park Field 1 or 2 dependent upon availability.
- EXCEPTION to summer season field usage is as follows:
  - Additional tournaments and events may be added after the execution of this use agreement

FALL SEASON – July 31, 2023 – December 3, 2023:

- Monday-Friday from 4pm to 11pm
- Monday-Friday before 4pm may be available upon request
- Saturday and Sunday from 8am to 11pm
- North Park Field 1 or 2 dependent upon availability.
- EXCEPTION to fall season field usage is as follows:
  - Additional tournaments and events may be added after the execution of this use agreement

- Upon the conclusion of the Fall season, the City of Alpharetta will commence with turf installment of the upper field at Webb Bridge Park. City will coordinate with Ambush on exact dates.

Invoicing Schedule

The Association shall be responsible for submitting rosters to designated City staff in a timely manner for residency invoicing:

Youth Athletics SEASONAL INVOICING					
SEASON	ASSOCIATION	SEASON DATES	ROSTER VERIFICATION	INVOICE SUBMISSION	
Fall	AYBA, AYSA, AMBUSH, NAFL	Sept.-Nov.	Mid-January	Mid- March	
Winter					
Spring	AYBA, AYSA, Ambush , Travel	Mar.-May	Mid-July	Mid-September	
Summer	AYBA, AYSA	June-July	Mid-July	Mid-August	

This fee shall be paid for each athletic season held each year (fall, winter, spring, and/or summer), and must be paid to the City no later than three (3) months after the end of the last game of the season.

TRAVEL/SELECT/ELITE TEAMS: Each team roster must be verified by Department staff before a team can officially form. Teams that do not meet the minimum requirement will not be permitted to use City facilities for practices and games.

To check residency: https://alphagis.alpharetta.ga.us/AlphaGIS/

2023 AYBA Contact

Name/Title: Doug Yearwood, President
Email: dyearwood2@comcast.net
Phone: 678-353-4027

GEORGIA
CORPORATIONS DIVISION

GEORGIA SECRETARY OF STATE
BRAD RAFFENSPERGER

HOME

BUSINESS SEARCH

BUSINESS INFORMATION

Business Name:	**ALPHARETTA AMBUSH SOCCER CLUB, INC.**	Control Number:	**0638727**
Business Type:	**Domestic Nonprofit Corporation**	Business Status:	**Active/Compliance**
Business Purpose:	**NONE**		
Principal Office Address:	**10945 State Bridge Rd., Suite 401-315, Alpharetta, GA, 30022, USA**	Date of Formation / Registration Date:	**5/4/2006**
State of Formation:	**Georgia**	Last Annual Registration Year:	**2022**

REGISTERED AGENT INFORMATION

Registered Agent Name:	**Thomas OConnor**
Physical Address:	**12145 Magnolia Circle, Alpharetta, GA, 30005, USA**
County:	**Fulton**

OFFICER INFORMATION

Name	Title	Business Address
Doug Yearwood	CEO	10945 State Bridge Rd., Suite 401-315, Alpharetta, GA, 30022, USA
Kimberly Konopka	Secretary	10945 State Bridge Rd., Suite 401-315, Alpharetta, GA, 30022, USA
Thomas O'Connor	CFO	10945 State Bridge Rd., Suite 401-315, Alpharetta, GA, 30022, USA

Back | Filing History | Name History | Return to Business Search

THE CITY OF
ALPHARETTA
RECREATION PARKS &
CULTURAL SERVICES

Youth Athletic Associations



North Atlanta
Football League



Alpharetta Youth
Baseball Association



Alpharetta Youth
Softball Association



Alpharetta Ambush Soccer Club

Organizational Requirements and Facility Use Agreement 2023

YOUTH ATHLETIC ASSOCIATION
FACILITY USE AGREEMENT AND ORGANIZATIONAL REQUIREMENTS

Original approved by Alpharetta Recreation Commission – January 11, 2018
Updated for changes to Milton MOU – December 2021; John's Creek MOU- December 2022

TABLE OF CONTENTS PAGE

Alpharetta Recreation, Parks & Cultural Services Mission Statement	3
Legal and Organizational Requirements	3
Requirements of Associations	9
Facility Guidelines and Ordinances	17
Park/Facility Regulations	18
Recreation and Parks Personnel/Contact Information	20
City of Alpharetta Accident/Incident Report Form	21
Association Checklist	22
Facility Use Agreement	23

MISSION STATEMENT

Alpharetta Recreation, Parks and Cultural Services strives to promote the highest quality recreation programs and park facilities to our citizens consistent with our core values of Excellence, Stewardship, Integrity, Service and Loyalty.

(Adopted: February 14, 2013 by Alpharetta Recreation Commission)

Associations and the leaders of these Associations are expected to understand and promote the mission and philosophy of the City of Alpharetta to serve the citizens of Alpharetta. Association members are ambassadors for the City as well as their affiliate Association. While serving as a volunteer for the Association, members are expected to conduct themselves in an ethical and professional manner.

LEGAL AND ORGANIZATIONAL REQUIREMENTS

In order to qualify as a Youth Athletic Association ("Association") and to operate on City of Alpharetta ("City") property, each Association must adhere to certain minimum legal and organizational requirements. These requirements are a part of the Facility Use Agreement which must be signed by each Association prior to the operation of any activity on City property.

These requirements are necessary in order to insure the safety and well-being of all participating Associations.

The signing of the Facility Use Agreement indicates the Association's assumption of the financial responsibility for the program, as well as the management of the program participants and volunteers. The City will not be held responsible for the finances or the program management. Violation of the above mentioned responsibilities constitutes cause for the revocation of the agreement. The requirements are as follows:

1. NON-PROFIT STATUS

Each Association must register with the Secretary of State's office as a non-profit organization. Proof of current non-profit status must be on file with Alpharetta Recreation, Parks and Cultural Services ("Department").

2. BYLAWS

Associations shall furnish a current copy of their by-laws to the Department. By-laws must be on file or submitted with the signed Facility Use Agreement.

3. ELECTION OF OFFICERS

The Board of Directors ("Board") shall be the governing body of each Association for the operation of the affairs of the Association as documented in the bylaws. Each Association board must be comprised of a majority of Residents upon election or appointment, and each Association should strive to achieve a minimum of sixty percent (60%) Residents on the Board. The Board of Directors must be elected annually or as mandated by the Association's by-laws, but no less than once every two years, by the Association membership. A Department employee and a member of Alpharetta

Recreation Commission ("Commission") must be notified of and invited to attend all Board meetings. The Department Director will appoint the employee liaison to the Board. The Chairman of the Commission will appoint the Commission liaison(s) to the Board on an annual basis.

Open advertised election of the Board is mandatory. All members of the Association as defined by the bylaws shall have the opportunity to vote. A notice of upcoming elections must be sent to the Department, and shall be posted on the Association website at least thirty (30) days prior to the elections. Associations are encouraged to email notice of elections to all participant families and to post flyers at the park. Elections should be held in an easily accessible central location within the Association's primary park when there are normal Association activities scheduled at the park to provide the best opportunity for members to vote. Associations are also encouraged to provide a process for members to vote electronically.

To serve as a member of the Association executive committee, a candidate must have a child actively participating in the Association program at the time of the elections.

The Association shall consider any and all qualified candidates interested in running for a Board position. The Association nominating committee shall prepare a recommended slate of officers and submit to the City for review at least thirty (30) days prior to the elections. The slate of officers must be advertised along with the notice of elections. Nominees must successfully pass the City's criminal history check before being included in the slate of officers.

The Association must furnish a list of all elected board members, addresses, email addresses, telephone numbers (home and office) to the Department no later than one (1) month after the elections. City will verify residency and notify Commission liaison ofCity resident percentage of newly elected board.

Board members are expected to adhere to the City's volunteer code of conduct. Upon election to the board and no less than once every two years, board members shall review and sign the City's volunteer code of conduct.

4. ASSOCIATION MEETINGS AND ANNUAL MEETING

Upon request, Association must provide copies of meeting minutes from Association membership and board meetings to Association members and City. It is recommended that meeting minutes be posted on the Association website.

Each Association must schedule a minimum of one (1) annual membership meeting. This meeting shall be for the purpose of electing board members, and any other necessary business. Efforts must be made to contact all members, and the Department must be notified of the meeting. Notice of said meeting must be posted at Department facilities and on the Association website two weeks prior to meeting date.

5. CAPACITY PLAN

Each Association shall ensure that their total registration for each season does not exceed the capacity of the facilities available. Adequate time shall be allotted for each recreation team to practice and play games. Recreation teams shall have priority of field use for games and practices. Travel/select/elite teams shall be given available field time for practices and games after the recreation teams have been served.

Extra facility space is not available through the City. The Association may seek to utilize facility space at other non-City locations. The Association is financially responsible for field usage fees at non-City locations if applicable.

Field time not used by the Association reverts to the City for use as needed.

6. ASSOCIATION OPERATING BUDGET

Each Association must submit a formal budget to the City to coincide with the start of the Association's fiscal year. The submitted budget must detail revenues offsetting expenditures for the fiscal year, based on the Capacity Plan. Excess revenues should initiate an Association's review of program fees. Non-resident fees should not be included in the budget due to those fees being remitted to the City.

7. FINANCIAL REPORTS

The City assumes no responsibility for the financial well-being or outstanding debts of Associations. Each Association must provide the City with an annual Financial Statement to include a summary of operating income and expenses, capital expenditures, registration fees charged to participants, Federal and State tax returns, and profit/loss statement.

8. LIABILITY INSURANCE COVERAGE

- Each Association must provide comprehensive liability insurance coverage for all players, coaches, officials, volunteers, sub-contractors and all other association participants, minimum of $1,000,000 coverage stated for Project use, listing names and addresses of designated City venues (to be provided)

The City should be listed as an additional insured. A copy of the current liability insurance coverage policy should be on file with the City, submitted annually.

9. PARTICIPATION REPORTS

All Associations are required to submit a list of registered players to the Department no later than one (1) month after the end of the established program registration period. The listshall be provided in an electronic format (i.e. Microsoft Excel) and shall include each player's name, street address, and zip code. The Department will use the list to verify the resident status of registered players and shall not use the list to promote Department programs, without prior consent of the Association. After the City has verified residency of participants, the City will issue an invoice to the Association for non-resident fees payable to the City.

NOTE: It is imperative that participation information be sent to the Department as soon

as possible in order for Department to verify addresses. Association may send participant information at any time during their registration period for Department to check residency status of participants.

10. REGISTRATION

Associations are encouraged to provide registration dates to the Department in time for inclusion in Department program guides or other promotions. City will notify Associations of the deadline to submit information. The City provides a link to Association websites at www.alpharetta.ga.us. Associations must notify City of any web address changes. Associations are encouraged to establish Facebook events for seasonal registration dates, and to invite the Department page as a co-host at www.Facebook.com/AlpharettaRecreation.

11. CITY RESIDENCY REQUIREMENT FOR TRAVEL/SELECT/ELITE TEAMS

The mission of the Department is to provide quality programs and services to the citizens of Alpharetta. Youth select athletic programs provide high level athletic competition and opportunities for young people. Residency requirement guidelines ensure travel/select/elite teams are formed in the best interest of the City resident participants, to ensure City residents are fairly represented on these teams, to ensure City assets and resources are utilized in the best interest of City resident participants, and to foster long-term success of the Association's competitive youth athletic program.

GUIDELINES:

A. Open, advertised tryouts must be held prior to team formation. Players are not guaranteed positions on any teams prior to the first tryout date.
B. For these guidelines, the word "Resident" shall only include residents of the City of Alpharetta.
C. Each travel/select/elite team must have a minimum of 50% Residents.
D. Each travel/select/elite team must adhere to the COA guidelines and policy on team formation of Alpharetta Ambush Academy and Select teams dated May 18, 2010.

Each team roster must be verified by Department staff before a team can officially form. Teams that do not meet the minimum requirement will not be permitted to use City facilities for practices and games.

Any team that meets the required Resident percentages as noted above when the team is formed, but drops below the minimum percentage during the season due to no fault of their own (i.e. a Resident quits the team, gets injured, relocates, etc.) shall be allowed to exist and continue playing through the remainder of the season.

Any abuse of these guidelines or the intent of these guidelines may result in punitive action, up to and including immediate dissolution of a team.

12. FACILITY USE - RESTRICTIONS

Each Association is organized to provide league play for youth, including player evaluations, pre-season player and coach clinics, league practices, scrimmages, games, and post-season tournaments. All field use shall be coordinated with the Department using whatever methods are agreed to by the parties to insure proper preparation and care of the facilities. Hosting of camps and tournaments involving participants from outside the association's own program along with participants in the Association's own program

is allowed, but requires coordination with and written consent of the Department. Field rental fees and staff fees may be applicable. Associations must seek approval from the City to host outside camps and tournaments at the parks at least ninety (90) days prior to the proposed event. Staffing fees for these kinds of events may apply. The Association is specifically not permitted to sublet facilities to any individual or organization. The Association's Facility Use Agreement is for the Association's own use.

Associations may not schedule or host any activities at Wills Park on July 4th and 5th due to the City's annual July 4th celebration and fireworks, and day-after park clean-up. Associations may request special permission from the Department Director to schedule or host any activities at Wills Park on July 4th and/or 5th. The decision shall be made by the Department Director in his sole discretion.

The City reserves the right to restrict facility use on other dates when there are special events hosted by the City, the Department, or a non-City entity utilizing City facilities for a tournament, clinic, camp, etc. deemed appropriate and beneficial to the City. These dates, if applicable, will be included in the annual facility use agreement or will be communicated to the Association as soon as the dates are confirmed.

13. CAPITAL IMPROVEMENTS

The Department formally evaluates the condition of all park facilities and amenities twice per year. During these inspections, Department staff will determine whether or not facilities and amenities are in need of removal, repair, and/or replacement. Maintenance needs are prioritized by the Department based on safety, vandalism, functionality, aesthetics, etc.

During the City budget process (mid-year and/or fiscal year), Department staff will prepare a list of capital improvement projects to be recommended for funding. The list of projects shall include cost estimates and justification, and shall be presented to the Commission for review. The Commission shall prioritize the list of projects and may add or delete any projects recommended by staff. The Commission shall approve a capital improvements project budget request to be provided to the City Budget Review Committee and/or Mayor/Council for consideration during the budget process.

Association representatives are encouraged to identify capital improvement projects respective to the facility or facilities on which they operate. The list of projects should be prioritized by the Association Board and presented to the Commission liaison and the Department Director and/or his designee no later than early December prior to the start of the budget process. The Director determines whether or not to include recommended projects in the list that is given to the Commission. Financial partnerships (50/50) between the Associations and the Department are encouraged.

14. ANNUAL PRESENTATION

The President/Commissioner of the Association will be invited to the December meeting of the Commission in order to make a brief presentation on the activities of the Association during the past year and its plans for the following year. Each Association representative will be asked to submit a written report electronically to the City at least one week prior to the meeting. Presentation at the meeting and submission of a written report are both mandatory annual requirements.

15. CHANGES TO PROGRAM CONTENT, STRUCTURE, PHILOSOPHY, ETC. Each Association shall communicate to the Commission liaison(s) and employee liaison(s) any and all substantial changes in their program. For this purpose, a **substantial change** shall be defined as any change in the philosophy, mission, and organization of the Association which would impact the delivery of expected service to any and all program participants, current and future.

This includes but is not limited to the following:

- Addition/elimination of any age or skill level
- Addition/elimination of any component of overall program content (i.e. cheerleading, flag football, fast pitch softball, out-of-park All Stars, Sunday select, summer or winter league play, etc.)
- Association by-laws
- Board structure and composition
- Schedule of fees for participants
- Anything that would be in direct conflict with existing City/Department policies

Association shall notify liaisons as soon as the idea for a substantial change is included on an Association meeting agenda. Upon notification by the Association, the Commission and/or employee liaison shall communicate the information to the Department Director or his/her designee. Before any action shall be taken by the Association to implement the substantial change, the Association shall prepare a written proposal outlining the planned change to include justification for the change; benefits of the change to the Association, citizens of Alpharetta, and the City; communication plan to inform the general public; timeline for implementation; financial impact to program participants (if any); legal requirements (if any); etc. It shall be at the sole discretion of the Department to determine if an in-depth written proposal shall be required. This will be determined on a case-by-case basis, depending on the nature of the proposed change.

The Department shall determine the level of approval needed for the Association to implement the substantial change. The approval levels are noted as follows:

a. Association Board and members only
b. Department Director or his/her designee
c. Recreation Commission Sub-Committees
d. Alpharetta Recreation Commission
e. Alpharetta Mayor and City Council

18. SPONSORSHIPS/ADVERTISING

Associations are not permitted to display permanent advertising signage of any kind on fences, dugouts, concession buildings, grounds, roadways, etc.

Associations are allowed to seek sponsors to help offset expenses associated with administering their programs and to create a revenue stream for Associations to assist the City in funding capital projects benefitting the parks and facilities they use. Associations are not permitted to obtain sponsorships, including direct financial aid and/or in-kind

donations, from any religious organization, individuals, and businesses that compete with contractual obligations of the City. Sponsors must be in good taste and appropriate for City park environment (i.e. alcohol and/or tobacco-related products/businesses are not allowed to advertise in City parks).

Associations must request in writing to the Department Director permission to display sponsor banners in the parks. With approval of the Department Director, sponsor banners may be displayed on fences only during games. All banners must be taken down immediately at the conclusion of the last game of the day.

Associations are encouraged to support the City's Scoreboard Sponsor Program as a fundraising opportunity for Associations. Associations are assigned certain scoreboards and may sell advertising on these scoreboards per the terms of the City's Scoreboard Sponsor Program. Contact Department Director or his/her designee for information on the City's Scoreboard Sponsor Program.

REQUIREMENTS OF ASSOCIATIONS

1. FACILITY USE AGREEMENT

Any Association operating on City property must sign a Facility Use Agreement with the City. The agreement is issued prior to the start of the calendar year and specifically identifies the facilities to be used by the Association and the terms of that use.
Adherence to all policies and procedures in this manual is considered part of the Facility Use Agreement. The City retains the right to change these guidelines and policies at any time, without advance notice, as it deems appropriate. Any changes will be communicated to the Association within five (5) business days after the change has been made and approved.

In accordance with O.C.G.A. § 36-60-13, this agreement may be renewed for one (1) successive one (1) year term if, prior to the expiration of the then existing term, the parties execute a written agreement to renew same for a one (1) year term. For any such subsequent terms, facilities, dates, times, fees, and any modifications to the agreement will be determined by written agreement of the City and Association.

With respect to renewal of this agreement, any Association currently holding a Facility Use Agreement will receive priority, unless the City has reason to revoke the agreement. Facilities not in use will be distributed on a first come first served basis.

2. COACH CERTIFICATION AND TRAINING

Association must provide coach certification and/or training for all head and assistant coaches of each team. It is the responsibility of the Association to ensure that their volunteers complete all legally mandated training programs before being permitted to coach a team. Association must provide documentation of such training to the City upon request.

A comprehensive training program should include but not be limited to the information listed below:

- Sport Specific Training
- How to Organize Practices
- Communication with Parents
- Basic First Aid and CPR/AED
- Concussion Awareness Training
- Mandatory Child Abuse Reporting Requirement
- Severe Weather Policies and Procedures
- Heat and Hydration Guidelines
- Association Mission/Expectations
- Association Relationship with the City

3. SELECTION OF COACHES

Associations are responsible to select qualified coaches for their program. Each Association shall establish their own criteria to determine qualifications of coaches, such as coaching experience, past playing experience, etc.

4. FEES AND CHARGES

Note: Each Association will adhere to fee policies set by the City, including fees that may not yet be currently established.

Registration Fees

All registration fees shall be fair and equitable to all participants. Associations shall communicate to participants what the registration fee covers, including the number of practices and games per season. Registration fees shall be derived from predicted costs to operate the program, to fund Association operations, and to fund park capital improvements (current and future) that mutually benefit the City and Association.

Registration fees shall include the total cost of operating the association's program to include but not limited to; cost of uniforms, player awards, umpires/officials, equipment for the league/teams, first aid supplies, marketing, web administration, general maintenance of facilities, etc.

Non-Resident Fees

All program participants who reside outside the city limits of Alpharetta will be assessed a non-resident fee. Association shall pay the City non-resident fees for each Association non-resident participant in their program. This fee shall be paid for each athletic season held each year (fall, winter, spring, and/or summer), and must be paid to the City no later than three (3) months after the end of the last game of the season. Association non-resident fees shall be calculated at 75% more than the resident registration fee.

Note: the dollar amount of the Association non-resident fee shall not exceed the highest non-resident fee charged to participants in youth athletic programs managed directly by the Department. (Department's highest recreation league non-resident fee shall be the

maximum for the Association's recreation league non-resident players. Department's highest travel/select league non-resident fee shall be the maximum for the Association's travel/select/division 1 league non-resident players.)

At least two (2) weeks before the advertisement/announcement of registration and non-resident fees for a particular season, the Association must submit a fee schedule to the Department. The Department will review the fee schedule, and will have final approval of any and all non-resident fees.

The Association will be responsible for the determination of city residence during the registration period. Within one (1) week after receiving the Association's participation list with addresses, the Department will verify player residency and report information to theAssociation. The non-resident fee will be paid directly to the City of Alpharetta based onthe Department's verification of player residency. The Association is responsible for remitting non-resident fees for all non-City participants, regardless of whether or not it was collected by the Association.

City of Alpharetta employees and their immediate family members, regardless of where they reside, are considered Residents and may register during the Resident registration period. Non-resident fees are waived for these participants. Associations should contact the Department to verify employee status.

Scholarships
The Association should make available a reasonable number of scholarships for participants requiring assistance. The Association shall determine the eligibility criteria for scholarship recipients and shall determine whether or not to charge non-resident fees to scholarship recipients. Regardless, the Association is responsible to pay the City non-resident fees for non-resident scholarship recipients to the City.

Admission Fees
Associations are not allowed to require an admission fee to any normal association play. Admission fees may be collected for tournament play or other special events, upon approval of the Department. The Association must submit a letter of request in order to have an admission fee request approved.

5. PROGRAM/FACILITY SCHEDULES

Associations are required to submit all master schedules to the Department prior to the beginning of use of any City facility. This includes tryout dates, practice schedules, opening ceremonies, game schedules, special events such as player clinics, travel team schedules, etc. These schedules should be submitted thirty (30) days prior to the beginning of any program. Facility use outside the scope of the Facility Use Agreement must be requested through the Department and is not guaranteed.

6. SAFETY/ACCIDENT PREVENTION

Associations are responsible for operating their programs in a safe and effective manner. All fields, equipment and other facilities should be inspected before each use.

Associations should have an adequate number of adults present at each scheduled activity to supervise the participants from the outset to the close of the program. League officials are responsible for insuring that all programs are operated under safe weather conditions. Safety plans should be implemented in case hazardous situations should occur.

7. DISCRIMINATION

Associations must provide equal opportunity without regard to race, color, religion, sex, national origin, age, veteran's status, and disability. Associations must comply with the Americans With Disabilities Act (ADA) of 1990 and provide reasonable accommodations to members of the public, if so requested, unless participation would create a risk to any participant.

8. MAINTENANCE/FACILITY UPKEEP

The Department will be responsible for all field and facility preparation for all practices and games. This includes game day facility preparation, grass mowing, and lining of baseball and softball fields. Parks Services staff will prepare fields only once per day, usually in the morning. Staff is not available to prepare fields on Sundays. Staff is not responsible for lining of grass football fields.

Associations are responsible to report any and all facility maintenance issues to the Department as soon as they are noticed.

Associations are required to provide safe sports equipment for participants.

Associations are responsible for picking up litter around facilities and placing it in proper receptacles after the conclusion of a scheduled program. This includes playing areas, walkways, restrooms, press boxes, concession stands, dugouts, etc.

Associations should take proper steps to ensure that scheduled activities do not infringe on park neighbors or other park users. This includes reducing excessive noise, excessive traffic, parking problems, etc.

9. WEATHER POLICIES

The Department will determine if fields are playable. Associations will be notified as early as possible if the fields are not playable. Associations are prohibited from field use if the field has been deemed "unplayable." In the event of inclement weather after the Department's normal business hours, the Association is responsible for determining field playability. Associations are expected to exercise good judgment in determining if a field is playable, keeping the safety of the players foremost.

Associations must adhere to the **City's Severe Weather Policy**. For the safety of all, the City of Alpharetta observes the following severe weather procedures for all outdoor programs: Any flash or sound (thunder) which indicates diminishing weather conditions will result in the immediate suspension of any outdoor activities for a safe waiting period of **thirty (30) minutes**. All participants will be encouraged to seek shelter immediately.

Department staff and/or on-site supervisors will monitor conditions during this time. Subsequent flashes or sounds will result in an extended safe waiting period until it is determined by staff or on-site supervisor either that conditions are safe to resume scheduled outdoor activities, or that conditions have deteriorated to the point of canceling the outdoor activities.

Associations that do not have their own established **Hydration and Heat Guidelines** must adhere to the Hydration and Heat Related Guidelines observed by the Department. In summary, outdoor activities must be canceled if the WBGT (Wet Bulb Globe Temperature) is over 92 degrees. Additional guidelines also apply. A copy of the guidelines in their entirety will be provided to Associations.

Associations that do not have their own established **Cold Weather Policy** must adhere to the Cold Weather Policy observed by the Department. The policy is as follows: If the official Alpharetta, GA temperature according to www.weather.com is forecasted to be 30 degrees or lower at the time of the scheduled practice or game, it is recommended that the scheduled event be cancelled. If the temperature reaches 25 degrees, it is mandatory the event be cancelled.

The Department may cancel and/or postpone all youth programs and activities whenever Fulton County Schools are closed for inclement weather. If Department cancels programs, Associations shall also cancel programs.

10. CONCESSIONS OPERATIONS

Associations must comply with Fulton County Health Department regulations for concessions operations. Associations are required to purchase their own supplies and equipment, such as microwave, popcorn machine, nacho machine, crock pot, etc.

Associations are required to comply with the terms and conditions of City contracts with food and/or beverage providers for concession operations. Failure to adhere to the terms of any City contracts with concessions providers may result in termination of the facility use agreement. Contact the Department Director or his/her designee for information on current contracts.

Each Association that utilizes the services of a contract vendor ("for-profit" business or individual) to provide concession operations is required to pay the City 15% of all gross receipts from concessions. Gross receipts will constitute any and all revenues collected from sales of concessions. This 15% must be paid directly to the City and held by the City for projects the Association requests (in escrow). Projects for future park improvements require Department Director and Recreation Commission approval. All capital improvements must be completed prior to the start of the following season unless the City agrees that it is in the best interest of the City to delay the completion of the capital improvement.

Each Association that utilizes volunteer board members and/or parents to operate the concession stand is not required to remit a percentage of revenue to the City.

Concession facilities must be cleaned after each use and at the end of the season. Necessary building maintenance and vandalism should be reported to the City.

11. RESTROOMS

It shall be the responsibility of Associations to insure that restrooms are inspected after each program session. The City is responsible for the supply of paper products and general maintenance that may occur.

12. SECURING OF FACILITIES

An Association Board member, Coach or Club Approved Field Marshall should be responsible for securing facilities after each use, including all practices and games. This includes closing and locking of all buildings, the turning off of all lights and scoreboards, and ensuring all necessary gates are closed and secured. Association board members and coaches are asked to turn off lights and scoreboards immediately following the last practice or game of the night, instead of waiting for the timer to take effect.

13. KEYS

Keys to all required facilities will be distributed to the Commissioner/President of the Association, and may be distributed to the necessary individuals. A list of all individuals who have keys in their possession shall be submitted to the Department. The Association is responsible for returning all issued keys at the conclusion of the program. Any unreturned keys are subject to a fine at the discretion of the City. Periodically, the Department will change the locks and/or combinations to buildings, gates, and electrical boxes. The Department will notify affected Association of any changes, and will supply new keys/combinations as needed.

14. PUBLICITY

Associations must provide the Department with information at least two (2) weeks prior to publicizing the information to past and potential participants and on the Association website. The purpose of this is to ensure that guidelines for registration and fee structures (resident/non-resident) are followed by each Association. The Department will review information and notify Association within five (5) business days if any changes need to be made in order to comply with established guidelines.

The Department will provide links to Association websites on the City's website, www.alpharetta.ga.us. The Association must notify the City if the web address changes. Associations may request assistance from the City to help with marketing of registration. City may send news releases to local media outlets, email notifications to Department participants, include information in the City's e-newsletter and the Department's Facebook page. The City will not pay for Association advertising, flyers, mailings, etc.

15. PUBLIC USE OF FIELDS

The Facility Use Agreement applies only to organized league play for the duration of the agreement as specified on the agreement. Unless otherwise scheduled, the facilities are available to the public on a first come first serve basis, or may be rented by the Department to outside groups for activities deemed appropriate and beneficial to the City.

The terms of any facility rental agreements between the Department and outside groups are established and agreed upon solely by the City and the group renting the City's facilities. These agreements are independent of the lease agreements with the Associations. The City will not rent facilities to teams and programs that compete with the City's partner Associations. The City may host large tournaments through the Alpharetta Convention and Visitors Bureau.

16. ACCIDENT/INCIDENT REPORTS (attached)

The Association is responsible for filing an accident/incident report to the City which documents the details of any accident, injury, or incident which occurs on City property. The report should detail what occurred, the time of the accident/incident, where it occurred, who was involved, and who witnessed the accident/incident and filed the report. A copy of the accident/incident report is included in this manual. The report shall be submitted to the Department within two (2) working days of the accident/incident. Any and all accidents/incidents must be reported!

17. PARTICIPANT EVALUATIONS

All participants in Association programs must be given an opportunity to complete a participant evaluation at the conclusion of each athletic season in which he/she participated. The evaluation should include questions pertaining to the administration and organization of the program (i.e. ease of registration, quality of the coaches, program structure, program content, etc.), and the condition and appearance of the Department facilities. The Association should ask participants for comments and suggestions to improve the program. A summary of participant evaluations should be prepared and distributed to the Association Board, the Department, and the Recreation Commission within two (2) months at the end of each season. Upon request, the Association must make completed participant evaluations available to the Department and/or Commission. The City reserves the right to conduct independent participant surveys.

18. GRIEVANCE PROCEDURE

All participants must have due process to address any grievances with the Association's Board at a scheduled meeting.

19. COMPLAINT PROCEDURE

Any written complaint regarding a coach, league official, umpire, etc., should be copied to the Department Director.

20. BACKGROUND CHECK - VOLUNTEERS

All Association board members and any individual who wants to coach a youth team shall go through the City's criminal history background check once per calendar year. All potential volunteers must complete the Request for Criminal History form and provide a copy of valid photo identification. An Association representative shall be designated to collect the documentation and shall submit this to the designated Department staff, who will coordinate with Alpharetta Department of Public Safety.

The City's Human Resources Department personnel confers with the Department Director on any problematic criminal history background checks. Any individual who does not meet City standards for criminal history background check will not be allowed to coach in the youth league and should not be assigned a team. Potential volunteers who refuse to provide information necessary to complete the criminal history background check shall not be allowed to volunteer.

NOTE: Associations are responsible for collecting and submitting criminal history background check documentation (forms and photo ID) at least one (1) month prior to finalizing team coaching assignments. This will allow ample time for the criminal history background check to be completed. Association will be notified of any and all potential volunteers who do not successfully pass the City's criminal history background check. It is the Association's responsibility to inform volunteers of the outcome of their criminal history background checks. The City provides a process for any denied application to request an appeal of decision. This information is available upon request. The Department strongly encourages all Associations to submit background checks for potential assistant coaches.

21. BACKGROUND CHECK – OFFICIALS AND UMPIRES

Each Association who has a contractual agreement with an outside vendor to provide officiating services for the Association shall require, as part of the written agreement, that all officials/umpires who will be scheduled to officiate at Association activities complete a criminal history background check prior to officiating any games for the Association. The criminal history background check should be performed once per calendar year. The Association shall require appropriate documentation of completion of background checks. Documentation must be maintained on file by the Association.

22. MANDATORY REPORTING LAW

Volunteers who work with children are required by law to report suspected child abuse. The mandatory reporting requirement is a provision in HB 1176, the criminal justice reform bill signed by Governor Nathan Deal on May 2, 2012. Specifically, HB 1176 changed the definition of "child service organization personnel" to include volunteers. The law defines "child service organization personnel" as follows: "Child service organization personnel" means persons employed by or volunteering at a business or an organization, whether public, private, for profit, not for profit, or voluntary, that provides care, treatment, education, training, supervision, coaching, counseling, recreational programs, or shelter to children."

It will be the responsibility of each Association to ensure that all volunteers and contracted vendors are notified of the law. All Association volunteers must complete a training program before being allowed to serve as a volunteer for the Association. The City will provide access to online training for volunteers as available.

23. CONCUSSION AWARENESS POLICIES AND PROCEDURES

HB 48 by the Georgia Legislature requires agencies to educate youth athletes and their parents on the dangers of concussions in youth athletic activities. The Georgia Department of Public Health is referring everyone to the "Heads Up – Concussion in Youth Sports" program offered by the CDC. The following is a link to the program: http://www.cdc.gov/concussion/HeadsUp/online_training.html.

It is the policy of the Department to educate coaches, referees, employees, instructors of at-risk activities, trainers, parents, and participants of the signs, symptoms and behaviors consistent with sports- and activity-induced concussions. Further, the Department requires that any participant, under the age of 18, suspected of a concussion or head injury must be removed from the activity and it is recommended that the participant be examined by a licensed health care provider. If a participant is deemed by a licensed health care provider to have sustained a concussion, Department personnel or other designated personnel (coaches, referees, instructors of at-risk activities, trainers, and parents) shall not permit the participant to return to play until he or she receives documented clearance from a licensed health care provider for a full or graduated return to play.

A full copy of the Department's policies and procedures is available upon request.

FACILITY GUIDELINES AND ORDINANCES

Associations are responsible for adherence to all City and park ordinances.

1. HOURS OF OPERATION

City facilities open at 8:00am and close at 11:00pm. Associations are not allowed to conduct a program prior to 8:00am and after 11:00pm, unless prior written approval has been given by the Department.

2. USE OF PARKS FOR GOLF PRACTICE

Parks may not be used for golf practice, with the exception of disc golf which is permitted at the disc golf course at Wills Park.

3. MOTOR VEHICLES IN PARKS

Motorized vehicle operation is restricted to prescribed paths, marked roadways, driveways and parking lots. This also applies to parking in areas other than designated parking spaces. Unauthorized vehicles are not allowed in "plaza" areas of ball fields without permission from the Department.

4. LITTER CONTROL

It is unlawful to litter. Each Association is responsible for insuring that all fields, parking lots, restrooms, dugouts, bleachers, concession areas, etc. are kept clean and litter free on a daily basis. Clean up fees may be assessed to Associations not adhering to this policy. All litter should be picked up and placed in the proper containers.

5. ALCOHOL BEVERAGES

Per City ordinance, the selling or consumption of alcoholic beverages on park property is strictly prohibited.

6. TOBACCO USE

Per City ordinance, the use of any and all tobacco products on park property is strictly prohibited.

7. ANIMALS IN PARKS

Other than service animals, it is against park regulations for any individual who possesses or is in charge of a domestic animal, restrained or unrestrained, to bring the animal onto any athletic field. It is the owner's responsibility to remove any animal excrement deposited by their animal on park property and dispose of it in a sanitary manner. For the safety of all, pet owners are required by law to obey Fulton County leash laws while visiting city of Alpharetta park facilities.

8. NOISES AND SOUNDS PROHIBITED

It is unlawful for any person to make, continue or cause to be made any loud, unnecessary or unusual noises that annoy, disturb, injure, or endanger the safety or comfort of others in the area.

9. CLOSING OF BALLFIELDS

The Department may close to the Association and/or public any ballfield or facility for maintenance purposes. Such facilities will be posted, and it is unlawful for any person to enter a closed facility.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

PARK/FACILITY REGULATIONS

1. Associations conducting youth activities on City facilities must have at least one (1) adult present for every fifteen (15) youth participating in an activity to supervise all scheduled activities from the outset to the conclusion of the activity.

2. Participants, Spectators, Parents, Coaches, or Officials of an organization must display appropriate conduct while operating activities on City facilities and must adhere to the Department's Code of Conduct. A copy of this document is available upon request. Association is responsible to provide this information to the appropriate parties. Continuous failure to do so could result in the termination of this agreement.

3. The Association shall be responsible for any damage incurred to the facilities while in use by the Association. Persistent damage to City facilities while in use by the Association could result in agreement revocation

4. The Association is responsible for policing the area around athletic fields, plaza areas, parking lots, rest rooms, concession stand, dugouts, and walkways. This must be completed upon the conclusion of each activity.

5. Association representatives are responsible to report any/all suspicious activity occurring on City property to the Department and/or to the City's Department of Public Safety.

6. The Department will supply locks for all required facilities and structures. Keys and/or combinations will be distributed as per Department policy.

7. The City shall be responsible for mowing the grass, moving bleachers, general maintenance, etc., unless otherwise specified in the agreement.

8. A designated Association member must make sure the facilities are secure and all lights turned off before departing the area.

9. The Department reserves the right to cancel any scheduled activities when it is believed that such use as during bad weather would damage facilities or put participants at risk.

10. Bicycles, roller blades, skateboards are prohibited on walkways or other designated areas.

11. No game shall begin after 10:00pm; every effort should be made to conclude by 11:00pm.

12. Questions, recommendations, complaints, etc. regarding park facilities and operations should be directed to the Department: 678-297-6152, athleticprograms@alpharetta.ga.us.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

DEPARTMENT PERSONNEL AND CONTACT INFORMATION

Director		
Morgan Rodgers, CPRP	678-297-6103	mrodgers@alpharetta.ga.us
Administrative Office Coordinator		
Amber O'Dwyer	678-297-6104	aodwyer@alpharetta.ga.us
Projects Manager		
Kurt Kirby, CPRP, CPO, CPSI	770-740-1034	kkirby@alpharetta.ga.us
Wills Park Manager – *Park Facilities, Equestrian Center*		
Matt Casey, CPRP	678-297-6122	mcasey@alpharetta.ga.us
Parks Services Manager – *Park Supervisors, Greenway*		
Eric Milley, CPO, CPSI	678-297-6106	emilley@alpharetta.ga.us
Park Supervisor II		
Barry Pike (Wills Park)	678-297-6125	bpike@alpharetta.ga.us
Chris Anderson, CPSI, CPO (North Park)	770-751-7840	canderson@alpharetta.ga.us
Nate Hand, CPSI (Webb Bridge)	770-751-7841	nhand@alpharetta.ga.us
Administrative Assistant II - *Parks*		
Ruby Flynn	678-297-6123	rflynn@alpharetta.ga.us
Community Services Manager		
Amanda Musilli	404-314-1245	amusilli@alpharetta.ga.us
Marketing Coordinator		
Deanna McKay	678-879-2568	dmckay@alpharetta.ga.us
Cultural Arts Services Manager		
Kim Manning	678-297-6078	kmanning@alpharetta.ga.us
Alpharetta Arts Center	678-297-6135	arts@alpharetta.ga.us
Recreation Services Manager		
Christine Young	678-297-6154	cyoung@alpharetta.ga.us
Recreation Centers/Program Areas		
General Information	678-297-6100	recreation@alpharetta.ga.us
Athletics Supervisor	678-297-6163	athleticprograms@alpharetta.ga.us
Alpharetta Community Center (Wills Park)	678-297-6100	accprograms@alpharetta.ga.us
Alpharetta Adult Activity Center (North Park)	678-297-6140	activeadults@alpharetta.ga.us
Wills Park Recreation Center (Wills Park)	678-297-6130	wprcprograms@alpharetta.ga.us
Wills Park Pool, Aquatics and Wellness	678-297-6153	aquatics@alpharetta.ga.us

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

City of Alpharetta
Accident / Incident Report Form

Date of accident/incident_____ **Time of accident/incident** _____
Facility where accident/incident occurred _____
Specific location of accident/incident within the facility _
Number of persons involved_____ **Police notified Y N EMS notified Y N**

Information on persons involved in the accident/incident:

NAME (please print)	PHONE	Under the age of 18
	Day: **Evening:**	
	Day: **Evening:**	
	Day: **Evening:**	

Information on witnesses to the accident/incident

NAME (print)	SIGNATURE	PHONE
		Day: **Evening:**
		Day: **Evening:**
		Day: **Evening:**
		Day: **Evening:**

ACCIDENT/INCIDENT SUMMARY: _____

If applicable, who offered treatment options

_____

Did the injured party waive treatment Y N
****Photos of accident/incident site taken Y N**
Person completing form _____ _____ _____
(Print name) Signature Date
Person completing form _____ _____
Day phone Evening phone

** Take photographs of the accident/incident site as soon as practical but within 24 hours of the accident/incident
Fax or email completed form to **Safety/Risk Administrator at 678-297-6292 or dnelson@alpharetta.ga.us; and City at 678-297-6154 or recreation@alpharetta.ga.us.**

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

ASSOCIATION CHECKLIST

REQUIRED ANNUALLY AND/OR BEFORE SEASON BEGINS EACH YEAR;

DESCRIPTION	DUE*	DONE
Proof of Non-profit status submitted to ARPCS	On file each year	_____
Current Association by-laws to ARPCS	On file each year	_____
Copy of Certificate of Insurance naming ARPCS as a certificate holder	On file each year	_____
Open election of Board of Directors	On file each year	_____
Annual membership meeting	Annually	_____
Coach Background Check Consent Forms	Annually	_____
Signed Facility Use Agreement	Annually	_____
Financial Statements – **to include the following**;	Annually	_____
1. Summary of operating budget, income and expenses 2. Summary of capital expenditures 3. Registration fees charged to participants 4. Federal and State tax returns 5. Profit and Loss statement		
Slate of nominated officers and home address to ARPCS	30 days before elections	_____
List of elected officers to ARPCS	One month after elections	_____
Rosters to ARPCS	One month after end of registration period	_____
Master Schedule to ARPCS (tryouts, practices, games)	1 month before season	_____

REQUIRED AFTER THE SEASON ENDS;

DESCRIPTION	DUE*	DONE
Participant Evaluation Summary to ARPCS	2 months after each season	_____
Payment of Non-Resident Fees to City	3 months after each season	_____
List of Certified Coaches to ARPCS	Provide upon request	_____

REQUIRED SEASONALLY/AS NEEDED;

DESCRIPTION	DUE*	DONE
List of key holders to ARPCS	Update as necessary	_____
Accident/Incident Reports	As necessary	_____
Copy of Coach Complaint to ARPCS	As necessary	_____
Information for ARPCS promotions	TBD by ARPCS	_____

**Due Dates for each Association will be discussed and agreed upon with each Association Commissioner/President during the contract review process. Some Due Dates will vary per Association, based on Association fiscal year.*

Note: ARPCS = Alpharetta Recreation, Parks and Cultural Services

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENT

This agreement, made this 12th day of December 2022, is entered into by and between the City of Alpharetta, a municipal corporation of the State of Georgia, located at 2 Park Plaza, Alpharetta, Georgia, 30009 ("City"), and the Alpharetta Girls Youth Softball Association, Inc., a non-profit corporation located at 5665 Atlanta, Hwy, Ste. 103-141, Alpharetta, GA 30004 ("Association"). The City and the Association are sometimes referred to in this agreement collectively as the "Parties".

WITNESSETH:

In consideration of the mutual agreements contained in this document, the City and Association agree as follows:

1. The Association agrees to provide a youth sports program (organized league play) as a service for the City in accordance with all policies and procedures for youth sports associations operating on city property previously set forth, (including the Youth Athletic Association Facility Use Agreement and Organizational Requirements) and attached in this agreement.

2. This Facility Use Agreement shall begin on the Effective Date and terminate on December 31, 2023. Thereafter, in accordance with O.C.G.A. § 36-60-13, this agreement may be renewed for one (1) successive one (1) year term if, prior to the expiration of the then existing term, the parties execute a written agreement to renew same for a one (1) year term. For any such subsequent terms, facilities, dates, times, fees, and any modifications to the agreement will be determined by written agreement of the City and Association.

3. The City agrees to authorize the Association the use of fields and facilities as listed below at North Park. The agreement includes use of all support structures (dugouts, lights, press-boxes, concession stands, storage facilities, bleachers, batting cages, fencing, etc.) for approved league play unless otherwise specified. See Exhibit A for detailed information on days and times of approved use of fields and facilities.

4. The Association agrees the facilities will be used in a safe manner, and in compliance with all applicable federal and state laws and City ordinances, rules, and regulations.

5. Association shall not cause or permit damage or injury to the facilities. No alteration, addition, or improvement to the facilities shall be made by the Association without prior written consent from the City. Such alterations, additions, or improvements shall become and remain City property.

6. Failure of the City to insist upon strict performance of any term or condition of this agreement shall not be a waiver of any right or remedy the City may have and shall not be a waiver of any subsequent breach of terms or conditions.

7. The City may enter the facilities at any time during the period of this agreement for inspection or supervision as deemed necessary.

8. It is agreed and understood that the Association shall indemnify and hold the City, its agents, and employees harmless from any and all liability, costs, legal fees, expenses, damage or injury to participants or property, and any claim or causes of action arising out of the performance of this agreement or negligence.

9. This agreement may be modified only by a written agreement between the City and the Association.

10. It is the understanding of the City and the Association that nothing contained in this agreement shall be interpreted to assign to the Association any status under this agreement other than that of an independent Association.

11. Nothing within this agreement shall be construed as a waiver of governmental immunity by the City, its officers, or employees.

12. For the purpose of this agreement, any notices required to be sent to the parties shall be mailed to the following respective addresses:

ASSOCIATION NAME:	Alpharetta Girls Youth Softball Association, Inc.
ADDRESS:	5665 Atlanta Hwy., Ste. 103-141
CITY/STATE/ZIP:	Alpharetta, GA 30004
PHONE:	678.602.0875
WEBSITE:	www.alpharettasoftball.com
EMAIL:	aysacommissioner@gmail.com

CITY: Alpharetta Recreation, Parks & Cultural Services
Attn: Recreation Manager
2 Park Plaza
Alpharetta, GA 30009
678.297.6154
recreation@alpharetta.ga.us

13. It is agreed between the City and the Association that this agreement shall be executed in an original and one copy, which may be used for any purpose for which the original may be used.

14. The City has designated the Recreation Manager for the City as its contact person, coordinator, and liaison person with the Association in the execution of the terms of this agreement.

15. The Association shall not have the right to assign the interest it holds in this agreement.

16. The facilities shall not be used for any purpose other than those designated within this agreement, without the written consent of the City.

17. The Association may not deny participation in any park or program based on race, color, national origin, religion, sex, age, or disability.

18. The Association members agree to abide by all City policies and procedures as attached in this agreement.

19. The Association will adhere to fee policies set by the City, including fees that may not yet be currently established.

20. This Agreement shall not be assigned or subcontracted in whole or in part without the prior written consent of ARPCS. This Agreement shall be construed under and governed by the laws of the State of Georgia. This Agreement is the complete understanding of the parties in respect of the subject matter of this Agreement and supersedes all prior agreements relating to the same subject matter. The parties may modify this Agreement only by written instrument signed by each of the parties

hereto. Failure by either party to enforce a provision of this Agreement shall not constitute a waiver of that or any other provision of the Agreement. The invalidity or unenforceability of any provision of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement.

21. The Association acknowledges and agrees that by virtue of the fact that the fields and other facilities made available to the Association under this Facility Use Agreement were funded by the taxpayers of the City and are owned by the City, and further due to the fact that the recreation fees generated from the availability of such fields, the Association is subject to the Open Records and Open Meeting laws of the state of Georgia. The Association agrees to comply with those laws. To the extent that the Association is uncertain or needs assistance as to proper compliance with such laws, the City shall provide such assistance and guidance. The Association further agrees that all books and records of the Association shall be made available to the City of Alpharetta as and when requested for review or audit.

22. City shall have the right to terminate this Agreement upon failure of Association to perform its obligations to the satisfaction of City. Prior to exercising this right of termination, City shall provide Association with a written notice specifying Association's failure to perform and providing Association with a reasonable opportunity to cure its performance. In the event that Association fails to cure its performance, or in the event of subsequent failure to perform, City shall have the right to immediately terminate the Agreement by providing written notice of termination to Association.

    Association shall have the right to terminate this Agreement upon failure of City to perform its obligations to the satisfaction of Association. Prior to exercising this right of termination, Association shall provide City with a written notice specifying City's failure to perform and providing City with a reasonable opportunity to cure its performance. In the event that City fails to cure its performance, or in the event of subsequent failure to perform, Association shall have the right to immediately terminate the Agreement by providing written notice of termination to City.

    Either party may terminate this Agreement at any time without cause upon ninety (90) days written notice to the other party.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENT

I hereby acknowledge and understand that the Association of which I am authorized to represent will abide by and comply with the terms and conditions as set forth in this Facility Use Agreement as well as all of the policies, procedures, guidelines, and rules contained within the City's Youth Athletic Association Handbook. I understand that failure of the Association or any of its members to comply may result in termination of this Agreement with the City.

ALPHARETTA GIRLS YOUTH SOFTBALL ASSOCIATION, INC.

By:_____

Print Name:

Title:

CITY OF ALPHARETTA, GEORGIA

By:_____

Print Name: Jim Gilvin

Title: Mayor, City of Alpharetta

APPROVED AS TO CONTENT:

By:_____

Print Name: Morgan Rodgers

Title: Recreation, Parks & Cultural Services Department

APPROVED AS TO FORM:

By:_____

Molly Esswein, City Attorney

EXHIBIT A – 2023 Facility Use Agreement

Annual Association Schedule

EXHIBIT A

2023 FACILITY USE AGREEMENT – ALPHARETTA YOUTH SOFTBALL ASSOCIATION (AYSA)

MOU WITH CITIES OF JOHNS CREEK & MILTON

The City of Alpharetta Mayor and Council Members approved a resolution to enter into memorandum of understandings (MOU's) with the City of Johns Creek and the City of Milton. The "Parks without Borders" MOU provides for a mutual waiving of non-resident fees for residents of each city who participate in the partner city's recreational softball program. The MOU also allows residents of each partner city to register for the other city's recreational softball program during the second week of registration instead of during the third week of registration. This MOU shall be in effect for the 2023 seasons, and shall be renewed automatically with registration through the 2024 seasons unless either City delivers written notice of non-renewal to the other City at least ninety (90) days prior to the expiration of the term or any renewal term.

FIELD SPACE ALLOCATION FOR 2023

Field space at North Park will be allocated by the City to the Association based on demonstrated need by the Association. Association shall use field space solely for the purpose of providing organized Association activities including but not limited to: team practices, games, end of season tournaments, player clinics, coach clinics, umpire clinics, camps, and tournament organized solely by Association officials. The City reserves the right to use unscheduled field space for other activities, tournaments, camps, rentals, etc.

SPRING SEASON – January 1, 2023 – May 21, 2023:

- Fields 1-4: Tuesdays, Thursdays, and Fridays from 5pm to 11pm; and Saturdays from 8am to 10pm; AYSA will be given right of first refusal if fields are available Monday & Wednesday
- Fields 1-4: Sundays from 8:00am to 10pm, if needed and agreed upon by City and Association
- Fields 5-8: Monday through Friday from 5pm to 11pm; Saturdays from 8am to 10pm; and Sundays from 8am to 10pm
- EXCEPTION to spring season field usage is as follows:
  - Field 5: Association agrees to provide field space for North Metro Miracle League on Saturdays as needed for their spring program with dates/times to be coordinated through the City and NMML
  - Additional tournaments and events may be added after the execution of this use agreement

SUMMER SEASON – May 22, 2023 – August 7, 2023:

- Fields 1-4: Fridays from 5pm to 11pm and Saturdays from 8am to 11pm; AYSA will be given right of first refusal if fields are available Monday – Thursday.
- Fields 1-4: Sundays from 8:00am to 10pm, if needed and agreed upon by City and Association
- Fields 5-8: Monday through Friday from 5pm to 11pm; Saturdays from 8am to 10pm; and Sundays from 8am to 11pm
- EXCEPTION to summer season field usage is as follows:
  - Field 5: Association agrees to provide field space for North Metro Miracle League as needed for summer camps and programs with dates/times to be coordinated through the City and NMML

- Fields 1-8: These fields are not available June 1-4, 2023 due to USA Top Flight Tournament.
- Fields 1-8: These fields are not available July 10-13, 2023 due to Triple Crown Tournament.
- Additional tournaments and events may be added after the execution of this use agreement

FALL SEASON – August 8, 2023 – November 12, 2023:

- Fields 1-4: Fridays from 5pm to 11pm; and Saturdays from 8am to 10pm; AYSA will be given right of first refusal if fields are available Monday- Thursday.
- Fields 1-4: Sundays from 1pm to 6pm, if needed and agreed upon by City and Association
- Fields 5-8: Monday through Friday from 5:00pm to 11pm; Saturdays from 8am to 10pm; and Sundays from 8am to 10pm
- EXCEPTION to fall season field usage is as follows:
  - Field 5: Association agrees to provide field space for North Metro Miracle League on Saturdays as needed for their fall program with dates/times to be coordinated through the City and NMML
  - Fields 1-4: These fields are not available on Saturday October TBD, 2022 due to the Cystic Fibrosis Foundation Wish for Wendy adult softball tournament.
  - Fields 6-7: These fields may be rented by Kings Ridge Christian School softball teams August to October for practices and games; 3:00-5:00pm. Dates to be coordinated by the City in coordination with the Association.
  - Additional tournaments and events may be added after the execution of this use agreement

Invoicing Schedule

The Association shall be responsible for submitting rosters to designated City staff in a timely manner for residency invoicing:

Youth Athletics SEASONAL INVOICING					
SEASON	ASSOCIATION	SEASON DATES	ROSTER VERIFICATION	INVOICE SUBMISSION	
Fall	AYBA, AYSA, AMBUSH, NAFL	Sept.-Nov.	Mid-January	Mid- March	
Winter					
Spring	AYBA, AYSA, Ambush , Travel	Mar.-May	Mid-July	Mid-September	
Summer	AYBA, AYSA	June-July	Mid-July	Mid-August	

Residents on rosters will be verified per the MOU for each Association.
AYSA: Residents- Alpharetta & Milton; Johns Creek Recreational Only

This fee shall be paid for each athletic season held each year (fall, winter, spring, and/or summer), and must be paid to the City no later than three (3) months after the end of the last game of the season.

TRAVEL/SELECT/ELITE TEAMS: Each team roster must be verified by Department staff before a team can officially form. Teams that do not meet the minimum requirement will not be permitted to use City

facilities for practices and games.

To check residency: https://alphagis.alpharetta.ga.us/AlphaGIS/

AYSA - 2023 Contact

Name/Title: Sean Cunningham
Email: seanpat.cunningham@gmail.com
Phone: 678-602-0875

GEORGIA
CORPORATIONS DIVISION

GEORGIA SECRETARY OF STATE
BRAD RAFFENSPERGER

HOME

BUSINESS SEARCH

BUSINESS INFORMATION

Business Name:	**ALPHARETTA GIRLS YOUTH SOFTBALL ASSOCIATION, INC.**	Control Number:	**0687227**
Business Type:	**Domestic Nonprofit Corporation**	Business Status:	**Active/Compliance**
Business Purpose:	**NONE**		
Principal Office Address:	**5665 Atlanta Hwy., Ste. 103-141, Alpharetta, GA, 30004-3959, USA**	Date of Formation / Registration Date:	**10/3/2006**
State of Formation:	**Georgia**	Last Annual Registration Year:	**2024**

REGISTERED AGENT INFORMATION

Registered Agent Name:	**MARTIN CHARLTON**
Physical Address:	**87 VICKERY STREET, ROSWELL, GA, 30075, USA**
County:	**Fulton**

OFFICER INFORMATION

Name	Title	Business Address
Cindy Childress	CFO	5665 Atlanta Hwy, Ste. 103-141, Alpharetta, GA, 30004, USA
Melissa Henson	Secretary	5665 Atlanta Hwy, Ste. 103-141, Alpharetta, GA, 30004, USA
Tammy Cottrell	CEO	5665 Atlanta Hwy, Ste. 103-141, Alpharetta, GA, 30004, USA

Back | Filing History | Name History | Return to Business Search

THE CITY OF
ALPHARETTA
RECREATION PARKS &
CULTURAL SERVICES

Youth Athletic Associations



North Atlanta
Football League



Alpharetta Youth
Baseball Association



Alpharetta Youth
Softball Association



Alpharetta Ambush Soccer Club

Organizational Requirements and Facility Use Agreement 2023

YOUTH ATHLETIC ASSOCIATION
FACILITY USE AGREEMENT AND ORGANIZATIONAL REQUIREMENTS

Original approved by Alpharetta Recreation Commission – January 11, 2018
Updated for changes to Milton MOU – December 2021; John's Creek MOU- December 2022

TABLE OF CONTENTS PAGE

Alpharetta Recreation, Parks & Cultural Services Mission Statement	3
Legal and Organizational Requirements	3
Requirements of Associations	9
Facility Guidelines and Ordinances	17
Park/Facility Regulations	18
Recreation and Parks Personnel/Contact Information	20
City of Alpharetta Accident/Incident Report Form	21
Association Checklist	22
Facility Use Agreement	23

MISSION STATEMENT

Alpharetta Recreation, Parks and Cultural Services strives to promote the highest quality recreation programs and park facilities to our citizens consistent with our core values of Excellence, Stewardship, Integrity, Service and Loyalty.

(Adopted: February 14, 2013 by Alpharetta Recreation Commission)

Associations and the leaders of these Associations are expected to understand and promote the mission and philosophy of the City of Alpharetta to serve the citizens of Alpharetta. Association members are ambassadors for the City as well as their affiliate Association. While serving as a volunteer for the Association, members are expected to conduct themselves in an ethical and professional manner.

LEGAL AND ORGANIZATIONAL REQUIREMENTS

In order to qualify as a Youth Athletic Association ("Association") and to operate on City of Alpharetta ("City") property, each Association must adhere to certain minimum legal and organizational requirements. These requirements are a part of the Facility Use Agreement which must be signed by each Association prior to the operation of any activity on City property.

These requirements are necessary in order to insure the safety and well-being of all participating Associations.

The signing of the Facility Use Agreement indicates the Association's assumption of the financial responsibility for the program, as well as the management of the program participants and volunteers. The City will not be held responsible for the finances or the program management. Violation of the above mentioned responsibilities constitutes cause for the revocation of the agreement. The requirements are as follows:

1. NON-PROFIT STATUS

Each Association must register with the Secretary of State's office as a non-profit organization. Proof of current non-profit status must be on file with Alpharetta Recreation, Parks and Cultural Services ("Department").

2. BYLAWS

Associations shall furnish a current copy of their by-laws to the Department. By-laws must be on file or submitted with the signed Facility Use Agreement.

3. ELECTION OF OFFICERS

The Board of Directors ("Board") shall be the governing body of each Association for the operation of the affairs of the Association as documented in the bylaws. Each Association board must be comprised of a majority of Residents upon election or appointment, and each Association should strive to achieve a minimum of sixty percent (60%) Residents on the Board. The Board of Directors must be elected annually or as mandated by the Association's by-laws, but no less than once every two years, by the Association membership. A Department employee and a member of Alpharetta

Recreation Commission ("Commission") must be notified of and invited to attend all Board meetings. The Department Director will appoint the employee liaison to the Board. The Chairman of the Commission will appoint the Commission liaison(s) to the Board on an annual basis.

Open advertised election of the Board is mandatory. All members of the Association as defined by the bylaws shall have the opportunity to vote. A notice of upcoming elections must be sent to the Department, and shall be posted on the Association website at least thirty (30) days prior to the elections. Associations are encouraged to email notice of elections to all participant families and to post flyers at the park. Elections should be held in an easily accessible central location within the Association's primary park when there are normal Association activities scheduled at the park to provide the best opportunity for members to vote. Associations are also encouraged to provide a process for members to vote electronically.

To serve as a member of the Association executive committee, a candidate must have a child actively participating in the Association program at the time of the elections.

The Association shall consider any and all qualified candidates interested in running for a Board position. The Association nominating committee shall prepare a recommended slate of officers and submit to the City for review at least thirty (30) days prior to the elections. The slate of officers must be advertised along with the notice of elections. Nominees must successfully pass the City's criminal history check before being included in the slate of officers.

The Association must furnish a list of all elected board members, addresses, email addresses, telephone numbers (home and office) to the Department no later than one (1) month after the elections. City will verify residency and notify Commission liaison ofCity resident percentage of newly elected board.

Board members are expected to adhere to the City's volunteer code of conduct. Upon election to the board and no less than once every two years, board members shall review and sign the City's volunteer code of conduct.

4. ASSOCIATION MEETINGS AND ANNUAL MEETING

Upon request, Association must provide copies of meeting minutes from Association membership and board meetings to Association members and City. It is recommended that meeting minutes be posted on the Association website.

Each Association must schedule a minimum of one (1) annual membership meeting. This meeting shall be for the purpose of electing board members, and any other necessary business. Efforts must be made to contact all members, and the Department must be notified of the meeting. Notice of said meeting must be posted at Department facilities and on the Association website two weeks prior to meeting date.

5. CAPACITY PLAN

Each Association shall ensure that their total registration for each season does not exceed the capacity of the facilities available. Adequate time shall be allotted for each recreation team to practice and play games. Recreation teams shall have priority of field use for games and practices. Travel/select/elite teams shall be given available field time for practices and games after the recreation teams have been served.

Extra facility space is not available through the City. The Association may seek to utilize facility space at other non-City locations. The Association is financially responsible for field usage fees at non-City locations if applicable.

Field time not used by the Association reverts to the City for use as needed.

6. ASSOCIATION OPERATING BUDGET

Each Association must submit a formal budget to the City to coincide with the start of the Association's fiscal year. The submitted budget must detail revenues offsetting expenditures for the fiscal year, based on the Capacity Plan. Excess revenues should initiate an Association's review of program fees. Non-resident fees should not be included in the budget due to those fees being remitted to the City.

7. FINANCIAL REPORTS

The City assumes no responsibility for the financial well-being or outstanding debts of Associations. Each Association must provide the City with an annual Financial Statement to include a summary of operating income and expenses, capital expenditures, registration fees charged to participants, Federal and State tax returns, and profit/loss statement.

8. LIABILITY INSURANCE COVERAGE

- Each Association must provide comprehensive liability insurance coverage for all players, coaches, officials, volunteers, sub-contractors and all other association participants, minimum of $1,000,000 coverage stated for Project use, listing names and addresses of designated City venues (to be provided)

The City should be listed as an additional insured. A copy of the current liability insurance coverage policy should be on file with the City, submitted annually.

9. PARTICIPATION REPORTS

All Associations are required to submit a list of registered players to the Department no later than one (1) month after the end of the established program registration period. The listshall be provided in an electronic format (i.e. Microsoft Excel) and shall include each player's name, street address, and zip code. The Department will use the list to verify the resident status of registered players and shall not use the list to promote Department programs, without prior consent of the Association. After the City has verified residency of participants, the City will issue an invoice to the Association for non-resident fees payable to the City.

NOTE: It is imperative that participation information be sent to the Department as soon

as possible in order for Department to verify addresses. Association may send participant information at any time during their registration period for Department to check residency status of participants.

10. REGISTRATION

Associations are encouraged to provide registration dates to the Department in time for inclusion in Department program guides or other promotions. City will notify Associations of the deadline to submit information. The City provides a link to Association websites at www.alpharetta.ga.us. Associations must notify City of any web address changes. Associations are encouraged to establish Facebook events for seasonal registration dates, and to invite the Department page as a co-host at www.Facebook.com/AlpharettaRecreation.

11. CITY RESIDENCY REQUIREMENT FOR TRAVEL/SELECT/ELITE TEAMS

The mission of the Department is to provide quality programs and services to the citizens of Alpharetta. Youth select athletic programs provide high level athletic competition and opportunities for young people. Residency requirement guidelines ensure travel/select/elite teams are formed in the best interest of the City resident participants, to ensure City residents are fairly represented on these teams, to ensure City assets and resources are utilized in the best interest of City resident participants, and to foster long-term success of the Association's competitive youth athletic program.

GUIDELINES:

A. Open, advertised tryouts must be held prior to team formation. Players are not guaranteed positions on any teams prior to the first tryout date.
B. For these guidelines, the word "Resident" shall only include residents of the City of Alpharetta.
C. Each travel/select/elite team must have a minimum of 50% Residents.
D. Each travel/select/elite team must adhere to the COA guidelines and policy on team formation of Alpharetta Ambush Academy and Select teams dated May 18, 2010.

Each team roster must be verified by Department staff before a team can officially form. Teams that do not meet the minimum requirement will not be permitted to use City facilities for practices and games.

Any team that meets the required Resident percentages as noted above when the team is formed, but drops below the minimum percentage during the season due to no fault of their own (i.e. a Resident quits the team, gets injured, relocates, etc.) shall be allowed to exist and continue playing through the remainder of the season.

Any abuse of these guidelines or the intent of these guidelines may result in punitive action, up to and including immediate dissolution of a team.

12. FACILITY USE - RESTRICTIONS

Each Association is organized to provide league play for youth, including player evaluations, pre-season player and coach clinics, league practices, scrimmages, games, and post-season tournaments. All field use shall be coordinated with the Department using whatever methods are agreed to by the parties to insure proper preparation and care of the facilities. Hosting of camps and tournaments involving participants from outside the association's own program along with participants in the Association's own program

is allowed, but requires coordination with and written consent of the Department. Field rental fees and staff fees may be applicable. Associations must seek approval from the City to host outside camps and tournaments at the parks at least ninety (90) days prior to the proposed event. Staffing fees for these kinds of events may apply. The Association is specifically not permitted to sublet facilities to any individual or organization. The Association's Facility Use Agreement is for the Association's own use.

Associations may not schedule or host any activities at Wills Park on July 4th and 5th due to the City's annual July 4th celebration and fireworks, and day-after park clean-up. Associations may request special permission from the Department Director to schedule or host any activities at Wills Park on July 4th and/or 5th. The decision shall be made by the Department Director in his sole discretion.

The City reserves the right to restrict facility use on other dates when there are special events hosted by the City, the Department, or a non-City entity utilizing City facilities for a tournament, clinic, camp, etc. deemed appropriate and beneficial to the City. These dates, if applicable, will be included in the annual facility use agreement or will be communicated to the Association as soon as the dates are confirmed.

13. CAPITAL IMPROVEMENTS

The Department formally evaluates the condition of all park facilities and amenities twice per year. During these inspections, Department staff will determine whether or not facilities and amenities are in need of removal, repair, and/or replacement. Maintenance needs are prioritized by the Department based on safety, vandalism, functionality, aesthetics, etc.

During the City budget process (mid-year and/or fiscal year), Department staff will prepare a list of capital improvement projects to be recommended for funding. The list of projects shall include cost estimates and justification, and shall be presented to the Commission for review. The Commission shall prioritize the list of projects and may add or delete any projects recommended by staff. The Commission shall approve a capital improvements project budget request to be provided to the City Budget Review Committee and/or Mayor/Council for consideration during the budget process.

Association representatives are encouraged to identify capital improvement projects respective to the facility or facilities on which they operate. The list of projects should be prioritized by the Association Board and presented to the Commission liaison and the Department Director and/or his designee no later than early December prior to the start of the budget process. The Director determines whether or not to include recommended projects in the list that is given to the Commission. Financial partnerships (50/50) between the Associations and the Department are encouraged.

14. ANNUAL PRESENTATION

The President/Commissioner of the Association will be invited to the December meeting of the Commission in order to make a brief presentation on the activities of the Association during the past year and its plans for the following year. Each Association representative will be asked to submit a written report electronically to the City at least one week prior to the meeting. Presentation at the meeting and submission of a written report are both mandatory annual requirements.

15. CHANGES TO PROGRAM CONTENT, STRUCTURE, PHILOSOPHY, ETC. Each Association shall communicate to the Commission liaison(s) and employee liaison(s) any and all substantial changes in their program. For this purpose, a **substantial change** shall be defined as any change in the philosophy, mission, and organization of the Association which would impact the delivery of expected service to any and all program participants, current and future.

This includes but is not limited to the following:

- Addition/elimination of any age or skill level
- Addition/elimination of any component of overall program content (i.e. cheerleading, flag football, fast pitch softball, out-of-park All Stars, Sunday select, summer or winter league play, etc.)
- Association by-laws
- Board structure and composition
- Schedule of fees for participants
- Anything that would be in direct conflict with existing City/Department policies

Association shall notify liaisons as soon as the idea for a substantial change is included on an Association meeting agenda. Upon notification by the Association, the Commission and/or employee liaison shall communicate the information to the Department Director or his/her designee. Before any action shall be taken by the Association to implement the substantial change, the Association shall prepare a written proposal outlining the planned change to include justification for the change; benefits of the change to the Association, citizens of Alpharetta, and the City; communication plan to inform the general public; timeline for implementation; financial impact to program participants (if any); legal requirements (if any); etc. It shall be at the sole discretion of the Department to determine if an in-depth written proposal shall be required. This will be determined on a case-by-case basis, depending on the nature of the proposed change.

The Department shall determine the level of approval needed for the Association to implement the substantial change. The approval levels are noted as follows:

a. Association Board and members only
b. Department Director or his/her designee
c. Recreation Commission Sub-Committees
d. Alpharetta Recreation Commission
e. Alpharetta Mayor and City Council

18. SPONSORSHIPS/ADVERTISING

Associations are not permitted to display permanent advertising signage of any kind on fences, dugouts, concession buildings, grounds, roadways, etc.

Associations are allowed to seek sponsors to help offset expenses associated with administering their programs and to create a revenue stream for Associations to assist the City in funding capital projects benefitting the parks and facilities they use. Associations are not permitted to obtain sponsorships, including direct financial aid and/or in-kind

donations, from any religious organization, individuals, and businesses that compete with contractual obligations of the City. Sponsors must be in good taste and appropriate for City park environment (i.e. alcohol and/or tobacco-related products/businesses are not allowed to advertise in City parks).

Associations must request in writing to the Department Director permission to display sponsor banners in the parks. With approval of the Department Director, sponsor banners may be displayed on fences only during games. All banners must be taken down immediately at the conclusion of the last game of the day.

Associations are encouraged to support the City's Scoreboard Sponsor Program as a fundraising opportunity for Associations. Associations are assigned certain scoreboards and may sell advertising on these scoreboards per the terms of the City's Scoreboard Sponsor Program. Contact Department Director or his/her designee for information on the City's Scoreboard Sponsor Program.

REQUIREMENTS OF ASSOCIATIONS

1. FACILITY USE AGREEMENT

Any Association operating on City property must sign a Facility Use Agreement with the City. The agreement is issued prior to the start of the calendar year and specifically identifies the facilities to be used by the Association and the terms of that use.
Adherence to all policies and procedures in this manual is considered part of the Facility Use Agreement. The City retains the right to change these guidelines and policies at any time, without advance notice, as it deems appropriate. Any changes will be communicated to the Association within five (5) business days after the change has been made and approved.

In accordance with O.C.G.A. § 36-60-13, this agreement may be renewed for one (1) successive one (1) year term if, prior to the expiration of the then existing term, the parties execute a written agreement to renew same for a one (1) year term. For any such subsequent terms, facilities, dates, times, fees, and any modifications to the agreement will be determined by written agreement of the City and Association.

With respect to renewal of this agreement, any Association currently holding a Facility Use Agreement will receive priority, unless the City has reason to revoke the agreement. Facilities not in use will be distributed on a first come first served basis.

2. COACH CERTIFICATION AND TRAINING

Association must provide coach certification and/or training for all head and assistant coaches of each team. It is the responsibility of the Association to ensure that their volunteers complete all legally mandated training programs before being permitted to coach a team. Association must provide documentation of such training to the City upon request.

A comprehensive training program should include but not be limited to the information listed below:

- Sport Specific Training
- How to Organize Practices
- Communication with Parents
- Basic First Aid and CPR/AED
- Concussion Awareness Training
- Mandatory Child Abuse Reporting Requirement
- Severe Weather Policies and Procedures
- Heat and Hydration Guidelines
- Association Mission/Expectations
- Association Relationship with the City

3. SELECTION OF COACHES

Associations are responsible to select qualified coaches for their program. Each Association shall establish their own criteria to determine qualifications of coaches, such as coaching experience, past playing experience, etc.

4. FEES AND CHARGES

Note: Each Association will adhere to fee policies set by the City, including fees that may not yet be currently established.

Registration Fees

All registration fees shall be fair and equitable to all participants. Associations shall communicate to participants what the registration fee covers, including the number of practices and games per season. Registration fees shall be derived from predicted costs to operate the program, to fund Association operations, and to fund park capital improvements (current and future) that mutually benefit the City and Association.

Registration fees shall include the total cost of operating the association's program to include but not limited to; cost of uniforms, player awards, umpires/officials, equipment for the league/teams, first aid supplies, marketing, web administration, general maintenance of facilities, etc.

Non-Resident Fees

All program participants who reside outside the city limits of Alpharetta will be assessed a non-resident fee. Association shall pay the City non-resident fees for each Association non-resident participant in their program. This fee shall be paid for each athletic season held each year (fall, winter, spring, and/or summer), and must be paid to the City no later than three (3) months after the end of the last game of the season. Association non-resident fees shall be calculated at 75% more than the resident registration fee.

Note: the dollar amount of the Association non-resident fee shall not exceed the highest non-resident fee charged to participants in youth athletic programs managed directly by the Department. (Department's highest recreation league non-resident fee shall be the

maximum for the Association's recreation league non-resident players. Department's highest travel/select league non-resident fee shall be the maximum for the Association's travel/select/division 1 league non-resident players.)

At least two (2) weeks before the advertisement/announcement of registration and non-resident fees for a particular season, the Association must submit a fee schedule to the Department. The Department will review the fee schedule, and will have final approval of any and all non-resident fees.

The Association will be responsible for the determination of city residence during the registration period. Within one (1) week after receiving the Association's participation list with addresses, the Department will verify player residency and report information to theAssociation. The non-resident fee will be paid directly to the City of Alpharetta based onthe Department's verification of player residency. The Association is responsible for remitting non-resident fees for all non-City participants, regardless of whether or not it was collected by the Association.

City of Alpharetta employees and their immediate family members, regardless of where they reside, are considered Residents and may register during the Resident registration period. Non-resident fees are waived for these participants. Associations should contact the Department to verify employee status.

Scholarships
The Association should make available a reasonable number of scholarships for participants requiring assistance. The Association shall determine the eligibility criteria for scholarship recipients and shall determine whether or not to charge non-resident fees to scholarship recipients. Regardless, the Association is responsible to pay the City non-resident fees for non-resident scholarship recipients to the City.

Admission Fees
Associations are not allowed to require an admission fee to any normal association play. Admission fees may be collected for tournament play or other special events, upon approval of the Department. The Association must submit a letter of request in order to have an admission fee request approved.

5. PROGRAM/FACILITY SCHEDULES

Associations are required to submit all master schedules to the Department prior to the beginning of use of any City facility. This includes tryout dates, practice schedules, opening ceremonies, game schedules, special events such as player clinics, travel team schedules, etc. These schedules should be submitted thirty (30) days prior to the beginning of any program. Facility use outside the scope of the Facility Use Agreement must be requested through the Department and is not guaranteed.

6. SAFETY/ACCIDENT PREVENTION

Associations are responsible for operating their programs in a safe and effective manner. All fields, equipment and other facilities should be inspected before each use.

Associations should have an adequate number of adults present at each scheduled activity to supervise the participants from the outset to the close of the program. League officials are responsible for insuring that all programs are operated under safe weather conditions. Safety plans should be implemented in case hazardous situations should occur.

7. DISCRIMINATION

Associations must provide equal opportunity without regard to race, color, religion, sex, national origin, age, veteran's status, and disability. Associations must comply with the Americans With Disabilities Act (ADA) of 1990 and provide reasonable accommodations to members of the public, if so requested, unless participation would create a risk to any participant.

8. MAINTENANCE/FACILITY UPKEEP

The Department will be responsible for all field and facility preparation for all practices and games. This includes game day facility preparation, grass mowing, and lining of baseball and softball fields. Parks Services staff will prepare fields only once per day, usually in the morning. Staff is not available to prepare fields on Sundays. Staff is not responsible for lining of grass football fields.

Associations are responsible to report any and all facility maintenance issues to the Department as soon as they are noticed.

Associations are required to provide safe sports equipment for participants.

Associations are responsible for picking up litter around facilities and placing it in proper receptacles after the conclusion of a scheduled program. This includes playing areas, walkways, restrooms, press boxes, concession stands, dugouts, etc.

Associations should take proper steps to ensure that scheduled activities do not infringe on park neighbors or other park users. This includes reducing excessive noise, excessive traffic, parking problems, etc.

9. WEATHER POLICIES

The Department will determine if fields are playable. Associations will be notified as early as possible if the fields are not playable. Associations are prohibited from field use if the field has been deemed "unplayable." In the event of inclement weather after the Department's normal business hours, the Association is responsible for determining field playability. Associations are expected to exercise good judgment in determining if a field is playable, keeping the safety of the players foremost.

Associations must adhere to the **City's Severe Weather Policy**. For the safety of all, the City of Alpharetta observes the following severe weather procedures for all outdoor programs: Any flash or sound (thunder) which indicates diminishing weather conditions will result in the immediate suspension of any outdoor activities for a safe waiting period of **thirty (30) minutes**. All participants will be encouraged to seek shelter immediately.

Department staff and/or on-site supervisors will monitor conditions during this time. Subsequent flashes or sounds will result in an extended safe waiting period until it is determined by staff or on-site supervisor either that conditions are safe to resume scheduled outdoor activities, or that conditions have deteriorated to the point of canceling the outdoor activities.

Associations that do not have their own established **Hydration and Heat Guidelines** must adhere to the Hydration and Heat Related Guidelines observed by the Department. In summary, outdoor activities must be canceled if the WBGT (Wet Bulb Globe Temperature) is over 92 degrees. Additional guidelines also apply. A copy of the guidelines in their entirety will be provided to Associations.

Associations that do not have their own established **Cold Weather Policy** must adhere to the Cold Weather Policy observed by the Department. The policy is as follows: If the official Alpharetta, GA temperature according to www.weather.com is forecasted to be 30 degrees or lower at the time of the scheduled practice or game, it is recommended that the scheduled event be cancelled. If the temperature reaches 25 degrees, it is mandatory the event be cancelled.

The Department may cancel and/or postpone all youth programs and activities whenever Fulton County Schools are closed for inclement weather. If Department cancels programs, Associations shall also cancel programs.

10. CONCESSIONS OPERATIONS

Associations must comply with Fulton County Health Department regulations for concessions operations. Associations are required to purchase their own supplies and equipment, such as microwave, popcorn machine, nacho machine, crock pot, etc.

Associations are required to comply with the terms and conditions of City contracts with food and/or beverage providers for concession operations. Failure to adhere to the terms of any City contracts with concessions providers may result in termination of the facility use agreement. Contact the Department Director or his/her designee for information on current contracts.

Each Association that utilizes the services of a contract vendor ("for-profit" business or individual) to provide concession operations is required to pay the City 15% of all gross receipts from concessions. Gross receipts will constitute any and all revenues collected from sales of concessions. This 15% must be paid directly to the City and held by the City for projects the Association requests (in escrow). Projects for future park improvements require Department Director and Recreation Commission approval. All capital improvements must be completed prior to the start of the following season unless the City agrees that it is in the best interest of the City to delay the completion of the capital improvement.

Each Association that utilizes volunteer board members and/or parents to operate the concession stand is not required to remit a percentage of revenue to the City.

Concession facilities must be cleaned after each use and at the end of the season. Necessary building maintenance and vandalism should be reported to the City.

11. RESTROOMS

It shall be the responsibility of Associations to insure that restrooms are inspected after each program session. The City is responsible for the supply of paper products and general maintenance that may occur.

12. SECURING OF FACILITIES

An Association Board member, Coach or Club Approved Field Marshall should be responsible for securing facilities after each use, including all practices and games. This includes closing and locking of all buildings, the turning off of all lights and scoreboards, and ensuring all necessary gates are closed and secured. Association board members and coaches are asked to turn off lights and scoreboards immediately following the last practice or game of the night, instead of waiting for the timer to take effect.

13. KEYS

Keys to all required facilities will be distributed to the Commissioner/President of the Association, and may be distributed to the necessary individuals. A list of all individuals who have keys in their possession shall be submitted to the Department. The Association is responsible for returning all issued keys at the conclusion of the program. Any unreturned keys are subject to a fine at the discretion of the City. Periodically, the Department will change the locks and/or combinations to buildings, gates, and electrical boxes. The Department will notify affected Association of any changes, and will supply new keys/combinations as needed.

14. PUBLICITY

Associations must provide the Department with information at least two (2) weeks prior to publicizing the information to past and potential participants and on the Association website. The purpose of this is to ensure that guidelines for registration and fee structures (resident/non-resident) are followed by each Association. The Department will review information and notify Association within five (5) business days if any changes need to be made in order to comply with established guidelines.

The Department will provide links to Association websites on the City's website, www.alpharetta.ga.us. The Association must notify the City if the web address changes. Associations may request assistance from the City to help with marketing of registration. City may send news releases to local media outlets, email notifications to Department participants, include information in the City's e-newsletter and the Department's Facebook page. The City will not pay for Association advertising, flyers, mailings, etc.

15. PUBLIC USE OF FIELDS

The Facility Use Agreement applies only to organized league play for the duration of the agreement as specified on the agreement. Unless otherwise scheduled, the facilities are available to the public on a first come first serve basis, or may be rented by the Department to outside groups for activities deemed appropriate and beneficial to the City.

The terms of any facility rental agreements between the Department and outside groups are established and agreed upon solely by the City and the group renting the City's facilities. These agreements are independent of the lease agreements with the Associations. The City will not rent facilities to teams and programs that compete with the City's partner Associations. The City may host large tournaments through the Alpharetta Convention and Visitors Bureau.

16. ACCIDENT/INCIDENT REPORTS (attached)

The Association is responsible for filing an accident/incident report to the City which documents the details of any accident, injury, or incident which occurs on City property. The report should detail what occurred, the time of the accident/incident, where it occurred, who was involved, and who witnessed the accident/incident and filed the report. A copy of the accident/incident report is included in this manual. The report shall be submitted to the Department within two (2) working days of the accident/incident. Any and all accidents/incidents must be reported!

17. PARTICIPANT EVALUATIONS

All participants in Association programs must be given an opportunity to complete a participant evaluation at the conclusion of each athletic season in which he/she participated. The evaluation should include questions pertaining to the administration and organization of the program (i.e. ease of registration, quality of the coaches, program structure, program content, etc.), and the condition and appearance of the Department facilities. The Association should ask participants for comments and suggestions to improve the program. A summary of participant evaluations should be prepared and distributed to the Association Board, the Department, and the Recreation Commission within two (2) months at the end of each season. Upon request, the Association must make completed participant evaluations available to the Department and/or Commission. The City reserves the right to conduct independent participant surveys.

18. GRIEVANCE PROCEDURE

All participants must have due process to address any grievances with the Association's Board at a scheduled meeting.

19. COMPLAINT PROCEDURE

Any written complaint regarding a coach, league official, umpire, etc., should be copied to the Department Director.

20. BACKGROUND CHECK - VOLUNTEERS

All Association board members and any individual who wants to coach a youth team shall go through the City's criminal history background check once per calendar year. All potential volunteers must complete the Request for Criminal History form and provide a copy of valid photo identification. An Association representative shall be designated to collect the documentation and shall submit this to the designated Department staff, who will coordinate with Alpharetta Department of Public Safety.

The City's Human Resources Department personnel confers with the Department Director on any problematic criminal history background checks. Any individual who does not meet City standards for criminal history background check will not be allowed to coach in the youth league and should not be assigned a team. Potential volunteers who refuse to provide information necessary to complete the criminal history background check shall not be allowed to volunteer.

NOTE: Associations are responsible for collecting and submitting criminal history background check documentation (forms and photo ID) at least one (1) month prior to finalizing team coaching assignments. This will allow ample time for the criminal history background check to be completed. Association will be notified of any and all potential volunteers who do not successfully pass the City's criminal history background check. It is the Association's responsibility to inform volunteers of the outcome of their criminal history background checks. The City provides a process for any denied application to request an appeal of decision. This information is available upon request. The Department strongly encourages all Associations to submit background checks for potential assistant coaches.

21. BACKGROUND CHECK – OFFICIALS AND UMPIRES

Each Association who has a contractual agreement with an outside vendor to provide officiating services for the Association shall require, as part of the written agreement, that all officials/umpires who will be scheduled to officiate at Association activities complete a criminal history background check prior to officiating any games for the Association. The criminal history background check should be performed once per calendar year. The Association shall require appropriate documentation of completion of background checks. Documentation must be maintained on file by the Association.

22. MANDATORY REPORTING LAW

Volunteers who work with children are required by law to report suspected child abuse. The mandatory reporting requirement is a provision in HB 1176, the criminal justice reform bill signed by Governor Nathan Deal on May 2, 2012. Specifically, HB 1176 changed the definition of "child service organization personnel" to include volunteers. The law defines "child service organization personnel" as follows: "Child service organization personnel" means persons employed by or volunteering at a business or an organization, whether public, private, for profit, not for profit, or voluntary, that provides care, treatment, education, training, supervision, coaching, counseling, recreational programs, or shelter to children."

It will be the responsibility of each Association to ensure that all volunteers and contracted vendors are notified of the law. All Association volunteers must complete a training program before being allowed to serve as a volunteer for the Association. The City will provide access to online training for volunteers as available.

23. CONCUSSION AWARENESS POLICIES AND PROCEDURES

HB 48 by the Georgia Legislature requires agencies to educate youth athletes and their parents on the dangers of concussions in youth athletic activities. The Georgia Department of Public Health is referring everyone to the "Heads Up – Concussion in Youth Sports" program offered by the CDC. The following is a link to the program: http://www.cdc.gov/concussion/HeadsUp/online_training.html.

It is the policy of the Department to educate coaches, referees, employees, instructors of at-risk activities, trainers, parents, and participants of the signs, symptoms and behaviors consistent with sports- and activity-induced concussions. Further, the Department requires that any participant, under the age of 18, suspected of a concussion or head injury must be removed from the activity and it is recommended that the participant be examined by a licensed health care provider. If a participant is deemed by a licensed health care provider to have sustained a concussion, Department personnel or other designated personnel (coaches, referees, instructors of at-risk activities, trainers, and parents) shall not permit the participant to return to play until he or she receives documented clearance from a licensed health care provider for a full or graduated return to play.

A full copy of the Department's policies and procedures is available upon request.

FACILITY GUIDELINES AND ORDINANCES

Associations are responsible for adherence to all City and park ordinances.

1. HOURS OF OPERATION

City facilities open at 8:00am and close at 11:00pm. Associations are not allowed to conduct a program prior to 8:00am and after 11:00pm, unless prior written approval has been given by the Department.

2. USE OF PARKS FOR GOLF PRACTICE

Parks may not be used for golf practice, with the exception of disc golf which is permitted at the disc golf course at Wills Park.

3. MOTOR VEHICLES IN PARKS

Motorized vehicle operation is restricted to prescribed paths, marked roadways, driveways and parking lots. This also applies to parking in areas other than designated parking spaces. Unauthorized vehicles are not allowed in "plaza" areas of ball fields without permission from the Department.

4. LITTER CONTROL

It is unlawful to litter. Each Association is responsible for insuring that all fields, parking lots, restrooms, dugouts, bleachers, concession areas, etc. are kept clean and litter free on a daily basis. Clean up fees may be assessed to Associations not adhering to this policy. All litter should be picked up and placed in the proper containers.

5. ALCOHOL BEVERAGES

Per City ordinance, the selling or consumption of alcoholic beverages on park property is strictly prohibited.

6. TOBACCO USE

Per City ordinance, the use of any and all tobacco products on park property is strictly prohibited.

7. ANIMALS IN PARKS

Other than service animals, it is against park regulations for any individual who possesses or is in charge of a domestic animal, restrained or unrestrained, to bring the animal onto any athletic field. It is the owner's responsibility to remove any animal excrement deposited by their animal on park property and dispose of it in a sanitary manner. For the safety of all, pet owners are required by law to obey Fulton County leash laws while visiting city of Alpharetta park facilities.

8. NOISES AND SOUNDS PROHIBITED

It is unlawful for any person to make, continue or cause to be made any loud, unnecessary or unusual noises that annoy, disturb, injure, or endanger the safety or comfort of others in the area.

9. CLOSING OF BALLFIELDS

The Department may close to the Association and/or public any ballfield or facility for maintenance purposes. Such facilities will be posted, and it is unlawful for any person to enter a closed facility.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

PARK/FACILITY REGULATIONS

1. Associations conducting youth activities on City facilities must have at least one (1) adult present for every fifteen (15) youth participating in an activity to supervise all scheduled activities from the outset to the conclusion of the activity.

2. Participants, Spectators, Parents, Coaches, or Officials of an organization must display appropriate conduct while operating activities on City facilities and must adhere to the Department's Code of Conduct. A copy of this document is available upon request. Association is responsible to provide this information to the appropriate parties. Continuous failure to do so could result in the termination of this agreement.

3. The Association shall be responsible for any damage incurred to the facilities while in use by the Association. Persistent damage to City facilities while in use by the Association could result in agreement revocation

4. The Association is responsible for policing the area around athletic fields, plaza areas, parking lots, rest rooms, concession stand, dugouts, and walkways. This must be completed upon the conclusion of each activity.

5. Association representatives are responsible to report any/all suspicious activity occurring on City property to the Department and/or to the City's Department of Public Safety.

6. The Department will supply locks for all required facilities and structures. Keys and/or combinations will be distributed as per Department policy.

7. The City shall be responsible for mowing the grass, moving bleachers, general maintenance, etc., unless otherwise specified in the agreement.

8. A designated Association member must make sure the facilities are secure and all lights turned off before departing the area.

9. The Department reserves the right to cancel any scheduled activities when it is believed that such use as during bad weather would damage facilities or put participants at risk.

10. Bicycles, roller blades, skateboards are prohibited on walkways or other designated areas.

11. No game shall begin after 10:00pm; every effort should be made to conclude by 11:00pm.

12. Questions, recommendations, complaints, etc. regarding park facilities and operations should be directed to the Department: 678-297-6152, athleticprograms@alpharetta.ga.us.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

DEPARTMENT PERSONNEL AND CONTACT INFORMATION

Director		
Morgan Rodgers, CPRP	678-297-6103	mrodgers@alpharetta.ga.us
Administrative Office Coordinator		
Amber O'Dwyer	678-297-6104	aodwyer@alpharetta.ga.us
Projects Manager		
Kurt Kirby, CPRP, CPO, CPSI	770-740-1034	kkirby@alpharetta.ga.us
Wills Park Manager – *Park Facilities, Equestrian Center*		
Matt Casey, CPRP	678-297-6122	mcasey@alpharetta.ga.us
Parks Services Manager – *Park Supervisors, Greenway*		
Eric Milley, CPO, CPSI	678-297-6106	emilley@alpharetta.ga.us
Park Supervisor II		
Barry Pike (Wills Park)	678-297-6125	bpike@alpharetta.ga.us
Chris Anderson, CPSI, CPO (North Park)	770-751-7840	canderson@alpharetta.ga.us
Nate Hand, CPSI (Webb Bridge)	770-751-7841	nhand@alpharetta.ga.us
Administrative Assistant II - *Parks*		
Ruby Flynn	678-297-6123	rflynn@alpharetta.ga.us
Community Services Manager		
Amanda Musilli	404-314-1245	amusilli@alpharetta.ga.us
Marketing Coordinator		
Deanna McKay	678-879-2568	dmckay@alpharetta.ga.us
Cultural Arts Services Manager		
Kim Manning	678-297-6078	kmanning@alpharetta.ga.us
Alpharetta Arts Center	678-297-6135	arts@alpharetta.ga.us
Recreation Services Manager		
Christine Young	678-297-6154	cyoung@alpharetta.ga.us
Recreation Centers/Program Areas		
General Information	678-297-6100	recreation@alpharetta.ga.us
Athletics Supervisor	678-297-6163	athleticprograms@alpharetta.ga.us
Alpharetta Community Center (Wills Park)	678-297-6100	accprograms@alpharetta.ga.us
Alpharetta Adult Activity Center (North Park)	678-297-6140	activeadults@alpharetta.ga.us
Wills Park Recreation Center (Wills Park)	678-297-6130	wprcprograms@alpharetta.ga.us
Wills Park Pool, Aquatics and Wellness	678-297-6153	aquatics@alpharetta.ga.us

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

City of Alpharetta
Accident / Incident Report Form

Date of accident/incident_____ **Time of accident/incident** _____
Facility where accident/incident occurred _____
Specific location of accident/incident within the facility _
Number of persons involved_____ **Police notified Y N EMS notified Y N**

Information on persons involved in the accident/incident:

NAME (please print)	PHONE	Under the age of 18
	Day: **Evening:**	
	Day: **Evening:**	
	Day: **Evening:**	

Information on witnesses to the accident/incident

NAME (print)	SIGNATURE	PHONE
		Day: **Evening:**
		Day: **Evening:**
		Day: **Evening:**
		Day: **Evening:**

ACCIDENT/INCIDENT SUMMARY: _____

If applicable, who offered treatment options

_____

Did the injured party waive treatment Y N
****Photos of accident/incident site taken Y N**
Person completing form _____ _____ _____
(Print name) Signature Date
Person completing form _____ _____
Day phone Evening phone

** Take photographs of the accident/incident site as soon as practical but within 24 hours of the accident/incident
Fax or email completed form to **Safety/Risk Administrator at 678-297-6292 or dnelson@alpharetta.ga.us; and City at 678-297-6154 or recreation@alpharetta.ga.us.**

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

ASSOCIATION CHECKLIST

REQUIRED ANNUALLY AND/OR BEFORE SEASON BEGINS EACH YEAR;

DESCRIPTION	DUE*	DONE
Proof of Non-profit status submitted to ARPCS	On file each year	_____
Current Association by-laws to ARPCS	On file each year	_____
Copy of Certificate of Insurance naming ARPCS as a certificate holder	On file each year	_____
Open election of Board of Directors	On file each year	_____
Annual membership meeting	Annually	_____
Coach Background Check Consent Forms	Annually	_____
Signed Facility Use Agreement	Annually	_____
Financial Statements – **to include the following**;	Annually	_____
1. Summary of operating budget, income and expenses 2. Summary of capital expenditures 3. Registration fees charged to participants 4. Federal and State tax returns 5. Profit and Loss statement		
Slate of nominated officers and home address to ARPCS	30 days before elections	_____
List of elected officers to ARPCS	One month after elections	_____
Rosters to ARPCS	One month after end of registration period	_____
Master Schedule to ARPCS (tryouts, practices, games)	1 month before season	_____

REQUIRED AFTER THE SEASON ENDS;

DESCRIPTION	DUE*	DONE
Participant Evaluation Summary to ARPCS	2 months after each season	_____
Payment of Non-Resident Fees to City	3 months after each season	_____
List of Certified Coaches to ARPCS	Provide upon request	_____

REQUIRED SEASONALLY/AS NEEDED;

DESCRIPTION	DUE*	DONE
List of key holders to ARPCS	Update as necessary	_____
Accident/Incident Reports	As necessary	_____
Copy of Coach Complaint to ARPCS	As necessary	_____
Information for ARPCS promotions	TBD by ARPCS	_____

**Due Dates for each Association will be discussed and agreed upon with each Association Commissioner/President during the contract review process. Some Due Dates will vary per Association, based on Association fiscal year.*

Note: ARPCS = Alpharetta Recreation, Parks and Cultural Services

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENT

This agreement, made this 12th day of December 2022, is entered into by and between the City of Alpharetta, a municipal corporation of the State of Georgia, located at 2 Park Plaza, Alpharetta, Georgia, 30009 ("City"), and the Alpharetta Youth Baseball Association, Inc., a non-profit corporation located at 230 Bayfield Court, Milton, GA 30004 ("Association"). The City and the Association are sometimes referred to in this agreement collectively as the "Parties".

WITNESSETH:

In consideration of the mutual agreements contained in this document, the City and Association agree as follows:

1. The Association agrees to provide a youth sports program (organized league play) as a service for the City in accordance with all policies and procedures for youth sports associations operating on city property previously set forth, (including the Youth Athletic Association Facility Use Agreement and Organizational Requirements) and attached in this agreement.

2. This Facility Use Agreement shall begin on the Effective Date and terminate on December 31, 2023. Thereafter, in accordance with O.C.G.A. § 36-60-13, this agreement may be renewed for one (1) successive one (1) year term if, prior to the expiration of the then existing term, the parties execute a written agreement to renew same for a one (1) year term. For any such subsequent terms, facilities, dates, times, fees, and any modifications to the agreement will be determined by written agreement of the City and Association.

3. The City agrees to authorize the Association the use of fields and facilities as listed below at Wills Park & Webb Bridge Park. The agreement includes use of all support structures (dugouts, lights, press-boxes, concession stands, storage facilities, bleachers, batting cages, fencing, etc.) for approved league play unless otherwise specified. See Exhibit A for detailed information on days and times of approved use of fields and facilities.

4. The Association agrees the facilities will be used in a safe manner, and in compliance with all applicable federal and state laws and City ordinances, rules, and regulations.

5. Association shall not cause or permit damage or injury to the facilities. No alteration, addition, or improvement to the facilities shall be made by the Association without prior written consent from the City. Such alterations, additions, or improvements shall become and remain City property.

6. Failure of the City to insist upon strict performance of any term or condition of this agreement shall not be a waiver of any right or remedy the City may have and shall not be a waiver of any subsequent breach of terms or conditions.

7. The City may enter the facilities at any time during the period of this agreement for inspection or supervision as deemed necessary.

8. It is agreed and understood that the Association shall indemnify and hold the City, its agents, and employees harmless from any and all liability, costs, legal fees, expenses, damage or injury to participants or property, and any claim or causes of action arising out of the performance of this agreement or negligence.

9. This agreement may be modified only by a written agreement between the City and the Association.

10. It is the understanding of the City and the Association that nothing contained in this agreement shall be interpreted to assign to the Association any status under this agreement other than that of an independent Association.

11. Nothing within this agreement shall be construed as a waiver of governmental immunity by the City, its officers, or employees.

12. For the purpose of this agreement, any notices required to be sent to the parties shall be mailed to the following respective addresses:

ASSOCIATION NAME:	Alpharetta Youth Baseball Association, Inc.
ADDRESS:	P.O. Box 955
CITY/STATE/ZIP:	Alpharetta, GA 30009
PHONE:	678.327.6573
WEBSITE:	www.wpyba.com
EMAIL:	danielbrktt@gmail.com

CITY:
Alpharetta Recreation, Parks & Cultural Services
Attn: Recreation Manager
2 Park Plaza
Alpharetta, GA 30009
678.297.6154
recreation@alpharetta.ga.us

13. It is agreed between the City and the Association that this agreement shall be executed in an original and one copy, which may be used for any purpose for which the original may be used.

14. The City has designated the Recreation Manager for the City as its contact person, coordinator, and liaison person with the Association in the execution of the terms of this agreement.

15. The Association shall not have the right to assign the interest it holds in this agreement.

16. The facilities shall not be used for any purpose other than those designated within this agreement, without the written consent of the City.

17. The Association may not deny participation in any park or program based on race, color, national origin, religion, sex, age, or disability.

18. The Association members agree to abide by all City policies and procedures as attached in this agreement.

19. The Association will adhere to fee policies set by the City, including fees that may not yet be currently established.

20. This Agreement shall not be assigned or subcontracted in whole or in part without the prior written consent of ARPCS. This Agreement shall be construed under and governed by the laws of the State of Georgia. This Agreement is the complete understanding of the parties in respect of the subject matter of this Agreement and supersedes all prior agreements relating to the same subject matter.

The parties may modify this Agreement only by written instrument signed by each of the parties hereto. Failure by either party to enforce a provision of this Agreement shall not constitute a waiver of that or any other provision of the Agreement. The invalidity or unenforceability of any provision of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement.

21. The Association acknowledges and agrees that by virtue of the fact that the fields and other facilities made available to the Association under this Facility Use Agreement were funded by the taxpayers of the City and are owned by the City, and further due to the fact that the recreation fees generated from the availability of such fields, the Association is subject to the Open Records and Open Meeting laws of the state of Georgia. The Association agrees to comply with those laws. To the extent that the Association is uncertain or needs assistance as to proper compliance with such laws, the City shall provide such assistance and guidance. The Association further agrees that all books and records of the Association shall be made available to the City of Alpharetta as and when requested for review or audit.

22. City shall have the right to terminate this Agreement upon failure of Association to perform its obligations to the satisfaction of City. Prior to exercising this right of termination, City shall provide Association with a written notice specifying Association's failure to perform and providing Association with a reasonable opportunity to cure its performance. In the event that Association fails to cure its performance, or in the event of subsequent failure to perform, City shall have the right to immediately terminate the Agreement by providing written notice of termination to Association.

    Association shall have the right to terminate this Agreement upon failure of City to perform its obligations to the satisfaction of Association. Prior to exercising this right of termination, Association shall provide City with a written notice specifying City's failure to perform and providing City with a reasonable opportunity to cure its performance. In the event that City fails to cure its performance, or in the event of subsequent failure to perform, Association shall have the right to immediately terminate the Agreement by providing written notice of termination to City.

    Either party may terminate this Agreement at any time without cause upon ninety (90) days written notice to the other party.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENT

I hereby acknowledge and understand that the Association of which I am authorized to represent will abide by and comply with the terms and conditions as set forth in this Facility Use Agreement as well as all of the policies, procedures, guidelines, and rules contained within the City's Youth Athletic Association Handbook. I understand that failure of the Association or any of its members to comply may result in termination of this Agreement with the City.

ALPHARETTA YOUTH BASEBALL ASSOCIATION, INC.

By:_____

Print Name:

Title:

CITY OF ALPHARETTA, GEORGIA

By:_____

Print Name: Jim Gilvin

Title: Mayor, City of Alpharetta

APPROVED AS TO CONTENT:

By:_____

Print Name: Morgan Rodgers

Title: Recreation, Parks & Cultural Services Department

APPROVED AS TO FORM:

By:_____

Molly Esswein, City Attorney

EXHIBIT A – 2023 Facility Use Agreement

Annual Association Schedule

EXHIBIT A – 2023 Facility Use Agreement
Annual Association Schedule for Alpharetta Youth Baseball Association (AYBA)

MOU WITH CITY OF JOHNS CREEK

The City of Alpharetta Mayor and Council Members approved a resolution to enter into memorandum of understandings (MOU's) with the City of Johns Creek. The "Parks without Borders" MOU provides for a mutual waiving of non-resident fees for residents of each city who participate in the partner city's recreational baseball program. The MOU also allows residents of each partner city to register for the other city's recreational baseball program during the second week of registration instead of during the third week of registration. This MOU shall be in effect for the 2023 seasons, and shall be renewed automatically with registration through the 2024 seasons unless either City delivers written notice of non-renewal to the other City at least ninety (90) days prior to the expiration of the term or any renewal term.

FIELD SPACE ALLOCATION FOR 2023

Field space at Wills Park and Webb Bridge Park will be allocated by the City to the Association based on demonstrated need by the Association. Association shall use field space solely for the purpose of providing organized Association activities including but not limited to: team practices, games, end of season tournaments, player clinics, coach clinics, umpire clinics, camps, and tournament organized solely by Association officials. The City reserves the right to use unscheduled field space for other activities, tournaments, camps, rentals, etc.

- All tournament play, whether AYBA, or subbing out through AYBA, must be scheduled through ARPCS Parks staff. APRCS will accommodate subbed tournaments through AYBA up to 45 games per day. If more than 45 games per day are scheduled for any tournament, organizer must provide additional staff and use AYBA equipment only at no cost to ARPCS.

- Any additional events i.e camps, clinics, tournaments need a minimum sixty (60) day notice. If less than sixty (60) ARPCS may not be able to guarantee fields or staff.

- No outside amendment to infield mix (kitty litter, stone dust, etc.) added to infield other than what is provided by ARPCS. Any violation is subject is to a minimum $250 fine per field per incident.

SPRING SEASON – January 1, 2023 – May 21, 2023:

- Monday-Friday from 4pm to 11pm
- Monday-Friday before 4pm may be available upon request
- Saturday and Sunday from 8am to 11pm
- EXCEPTION to spring season field usage is as follows:
  - Webb Bridge Park, April 22–24, 2023, Southern Sports Baseball Tournament.
  - Association agrees to share field space at Webb Bridge Park baseball fields 3 and 4 as needed to accommodate the City's youth soccer program.
  - Additional tournaments and events may be added after the execution of this use agreement

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

SUMMER SEASON – May 22, 2023 – July 30, 2023:

- Monday-Friday from 4pm to 11pm
- Monday-Friday before 4pm may be available upon request
- Saturday and Sunday from 8am to 11pm
- EXCEPTION to summer season field usage is as follows:
  - Wills Park, June 2-4, 2023, Braves Country Battle Tournament.
  - Some fields could be closed for repair and maintenance during the summer season. Planned summer field closures will be communicated to Association by end of April 2023.
  - Wills Park facilities are not available on the following dates: July 4 (Fireworks)
  - Wills Park and Webb Bridge Park, July 7 - 9, 2023, Atlanta Braves Youth Baseball Tournament
  - Additional tournaments and events may be added after the execution of this use agreement

FALL SEASON – July 31, 2023 – December 3, 2023:

- Monday-Friday from 4pm to 11pm
- Monday-Friday before 4pm may be available upon request
- Saturday and Sunday from 8am to 11pm
- EXCEPTION to fall season field usage is as follows:
  - Association agrees to share field space at Webb Bridge Park baseball fields 3 and 4 as needed to accommodate the City's youth soccer program.
  - Additional tournaments and events may be added after the execution of this use agreement

Invoicing Schedule

The Association shall be responsible for submitting rosters to designated City staff in a timely manner for residency invoicing:

Youth Athletics SEASONAL INVOICING					
SEASON	ASSOCIATION	SEASON DATES	ROSTER VERIFICATION	INVOICE SUBMISSION	
Fall	AYBA, AYSA, AMBUSH, NAFL	Sept.-Nov.	Mid-January	Mid- March	
Winter					
Spring	AYBA, AYSA, Ambush , Travel	Mar.-May	Mid-July	Mid-September	
Summer	AYBA, AYSA	June-July	Mid-July	Mid-August	

Residents on rosters will be verified per the MOU for each Association:
Residents-Alpharetta & Johns Creek Recreational only; travel must adhere to percentage noted in agreement.

This fee shall be paid for each athletic season held each year (fall, winter, spring, and/or summer), and must be paid to the City no later than three (3) months after the end of the last game of the season.

- TRAVEL/SELECT/ELITE TEAMS: Each team roster must be verified by Department staff before a team can officially form. Teams that do not meet the minimum requirement will not be permitted to use City facilities for practices and games.

- To check residency: https://alphagis.alpharetta.ga.us/AlphaGIS/

2023 AYBA Contact
Name/Title: Daniel Burkett, President/Commissioner
Email: danielbrktt@gmail.com
Phone: 678-327-6573

GEORGIA
CORPORATIONS DIVISION

GEORGIA SECRETARY OF STATE
BRAD RAFFENSPERGER

HOME

BUSINESS SEARCH

BUSINESS INFORMATION

Business Name:	**ALPHARETTA YOUTH BASEBALL ASSOCIATION, INC.**	Control Number:	**K202393**
Business Type:	**Domestic Nonprofit Corporation**	Business Status:	**Active/Compliance**
Business Purpose:	**NONE**		
Principal Office Address:	**P. O. BOX 955, ALPHARETTA, GA, 30009, USA**	Date of Formation / Registration Date:	**2/3/1992**
State of Formation:	**Georgia**	Last Annual Registration Year:	**2022**

REGISTERED AGENT INFORMATION

Registered Agent Name:	**Elena Chernick, CPA**
Physical Address:	**230 Bayfield Court, Milton, GA, 30004, USA**
County:	**Fulton**

OFFICER INFORMATION

Name	Title	Business Address
Casey Bacica	CFO	420 Briars Bend, Alpharetta, GA, 30004, USA
Daniel Burkett	CEO	6320 Bannerhorn Run, Alpharetta, GA, 30005, USA
Garrett Hunter	Secretary	962 Hawkhorn Ct., ALPHARETTA, GA, 30005, USA

Back | Filing History | Name History | Return to Business Search

THE CITY OF
ALPHARETTA
RECREATION PARKS &
CULTURAL SERVICES

Youth Athletic Associations



North Atlanta
Football League



Alpharetta Youth
Baseball Association



Alpharetta Youth
Softball Association



Alpharetta Ambush Soccer Club

Organizational Requirements and Facility Use Agreement 2023

YOUTH ATHLETIC ASSOCIATION
FACILITY USE AGREEMENT AND ORGANIZATIONAL REQUIREMENTS

Original approved by Alpharetta Recreation Commission – January 11, 2018
Updated for changes to Milton MOU – December 2021; John's Creek MOU- December 2022

TABLE OF CONTENTS PAGE

Alpharetta Recreation, Parks & Cultural Services Mission Statement	3
Legal and Organizational Requirements	3
Requirements of Associations	9
Facility Guidelines and Ordinances	17
Park/Facility Regulations	18
Recreation and Parks Personnel/Contact Information	20
City of Alpharetta Accident/Incident Report Form	21
Association Checklist	22
Facility Use Agreement	23

MISSION STATEMENT

Alpharetta Recreation, Parks and Cultural Services strives to promote the highest quality recreation programs and park facilities to our citizens consistent with our core values of Excellence, Stewardship, Integrity, Service and Loyalty.

(Adopted: February 14, 2013 by Alpharetta Recreation Commission)

Associations and the leaders of these Associations are expected to understand and promote the mission and philosophy of the City of Alpharetta to serve the citizens of Alpharetta. Association members are ambassadors for the City as well as their affiliate Association. While serving as a volunteer for the Association, members are expected to conduct themselves in an ethical and professional manner.

LEGAL AND ORGANIZATIONAL REQUIREMENTS

In order to qualify as a Youth Athletic Association ("Association") and to operate on City of Alpharetta ("City") property, each Association must adhere to certain minimum legal and organizational requirements. These requirements are a part of the Facility Use Agreement which must be signed by each Association prior to the operation of any activity on City property.

These requirements are necessary in order to insure the safety and well-being of all participating Associations.

The signing of the Facility Use Agreement indicates the Association's assumption of the financial responsibility for the program, as well as the management of the program participants and volunteers. The City will not be held responsible for the finances or the program management. Violation of the above mentioned responsibilities constitutes cause for the revocation of the agreement. The requirements are as follows:

1. NON-PROFIT STATUS

Each Association must register with the Secretary of State's office as a non-profit organization. Proof of current non-profit status must be on file with Alpharetta Recreation, Parks and Cultural Services ("Department").

2. BYLAWS

Associations shall furnish a current copy of their by-laws to the Department. By-laws must be on file or submitted with the signed Facility Use Agreement.

3. ELECTION OF OFFICERS

The Board of Directors ("Board") shall be the governing body of each Association for the operation of the affairs of the Association as documented in the bylaws. Each Association board must be comprised of a majority of Residents upon election or appointment, and each Association should strive to achieve a minimum of sixty percent (60%) Residents on the Board. The Board of Directors must be elected annually or as mandated by the Association's by-laws, but no less than once every two years, by the Association membership. A Department employee and a member of Alpharetta

Recreation Commission ("Commission") must be notified of and invited to attend all Board meetings. The Department Director will appoint the employee liaison to the Board. The Chairman of the Commission will appoint the Commission liaison(s) to the Board on an annual basis.

Open advertised election of the Board is mandatory. All members of the Association as defined by the bylaws shall have the opportunity to vote. A notice of upcoming elections must be sent to the Department, and shall be posted on the Association website at least thirty (30) days prior to the elections. Associations are encouraged to email notice of elections to all participant families and to post flyers at the park. Elections should be held in an easily accessible central location within the Association's primary park when there are normal Association activities scheduled at the park to provide the best opportunity for members to vote. Associations are also encouraged to provide a process for members to vote electronically.

To serve as a member of the Association executive committee, a candidate must have a child actively participating in the Association program at the time of the elections.

The Association shall consider any and all qualified candidates interested in running for a Board position. The Association nominating committee shall prepare a recommended slate of officers and submit to the City for review at least thirty (30) days prior to the elections. The slate of officers must be advertised along with the notice of elections. Nominees must successfully pass the City's criminal history check before being included in the slate of officers.

The Association must furnish a list of all elected board members, addresses, email addresses, telephone numbers (home and office) to the Department no later than one (1) month after the elections. City will verify residency and notify Commission liaison ofCity resident percentage of newly elected board.

Board members are expected to adhere to the City's volunteer code of conduct. Upon election to the board and no less than once every two years, board members shall review and sign the City's volunteer code of conduct.

4. ASSOCIATION MEETINGS AND ANNUAL MEETING

Upon request, Association must provide copies of meeting minutes from Association membership and board meetings to Association members and City. It is recommended that meeting minutes be posted on the Association website.

Each Association must schedule a minimum of one (1) annual membership meeting. This meeting shall be for the purpose of electing board members, and any other necessary business. Efforts must be made to contact all members, and the Department must be notified of the meeting. Notice of said meeting must be posted at Department facilities and on the Association website two weeks prior to meeting date.

5. CAPACITY PLAN

Each Association shall ensure that their total registration for each season does not exceed the capacity of the facilities available. Adequate time shall be allotted for each recreation team to practice and play games. Recreation teams shall have priority of field use for games and practices. Travel/select/elite teams shall be given available field time for practices and games after the recreation teams have been served.

Extra facility space is not available through the City. The Association may seek to utilize facility space at other non-City locations. The Association is financially responsible for field usage fees at non-City locations if applicable.

Field time not used by the Association reverts to the City for use as needed.

6. ASSOCIATION OPERATING BUDGET

Each Association must submit a formal budget to the City to coincide with the start of the Association's fiscal year. The submitted budget must detail revenues offsetting expenditures for the fiscal year, based on the Capacity Plan. Excess revenues should initiate an Association's review of program fees. Non-resident fees should not be included in the budget due to those fees being remitted to the City.

7. FINANCIAL REPORTS

The City assumes no responsibility for the financial well-being or outstanding debts of Associations. Each Association must provide the City with an annual Financial Statement to include a summary of operating income and expenses, capital expenditures, registration fees charged to participants, Federal and State tax returns, and profit/loss statement.

8. LIABILITY INSURANCE COVERAGE

- Each Association must provide comprehensive liability insurance coverage for all players, coaches, officials, volunteers, sub-contractors and all other association participants, minimum of $1,000,000 coverage stated for Project use, listing names and addresses of designated City venues (to be provided)

The City should be listed as an additional insured. A copy of the current liability insurance coverage policy should be on file with the City, submitted annually.

9. PARTICIPATION REPORTS

All Associations are required to submit a list of registered players to the Department no later than one (1) month after the end of the established program registration period. The listshall be provided in an electronic format (i.e. Microsoft Excel) and shall include each player's name, street address, and zip code. The Department will use the list to verify the resident status of registered players and shall not use the list to promote Department programs, without prior consent of the Association. After the City has verified residency of participants, the City will issue an invoice to the Association for non-resident fees payable to the City.

NOTE: It is imperative that participation information be sent to the Department as soon

as possible in order for Department to verify addresses. Association may send participant information at any time during their registration period for Department to check residency status of participants.

10. REGISTRATION

Associations are encouraged to provide registration dates to the Department in time for inclusion in Department program guides or other promotions. City will notify Associations of the deadline to submit information. The City provides a link to Association websites at www.alpharetta.ga.us. Associations must notify City of any web address changes. Associations are encouraged to establish Facebook events for seasonal registration dates, and to invite the Department page as a co-host at www.Facebook.com/AlpharettaRecreation.

11. CITY RESIDENCY REQUIREMENT FOR TRAVEL/SELECT/ELITE TEAMS

The mission of the Department is to provide quality programs and services to the citizens of Alpharetta. Youth select athletic programs provide high level athletic competition and opportunities for young people. Residency requirement guidelines ensure travel/select/elite teams are formed in the best interest of the City resident participants, to ensure City residents are fairly represented on these teams, to ensure City assets and resources are utilized in the best interest of City resident participants, and to foster long-term success of the Association's competitive youth athletic program.

GUIDELINES:

A. Open, advertised tryouts must be held prior to team formation. Players are not guaranteed positions on any teams prior to the first tryout date.
B. For these guidelines, the word "Resident" shall only include residents of the City of Alpharetta.
C. Each travel/select/elite team must have a minimum of 50% Residents.
D. Each travel/select/elite team must adhere to the COA guidelines and policy on team formation of Alpharetta Ambush Academy and Select teams dated May 18, 2010.

Each team roster must be verified by Department staff before a team can officially form. Teams that do not meet the minimum requirement will not be permitted to use City facilities for practices and games.

Any team that meets the required Resident percentages as noted above when the team is formed, but drops below the minimum percentage during the season due to no fault of their own (i.e. a Resident quits the team, gets injured, relocates, etc.) shall be allowed to exist and continue playing through the remainder of the season.

Any abuse of these guidelines or the intent of these guidelines may result in punitive action, up to and including immediate dissolution of a team.

12. FACILITY USE - RESTRICTIONS

Each Association is organized to provide league play for youth, including player evaluations, pre-season player and coach clinics, league practices, scrimmages, games, and post-season tournaments. All field use shall be coordinated with the Department using whatever methods are agreed to by the parties to insure proper preparation and care of the facilities. Hosting of camps and tournaments involving participants from outside the association's own program along with participants in the Association's own program

is allowed, but requires coordination with and written consent of the Department. Field rental fees and staff fees may be applicable. Associations must seek approval from the City to host outside camps and tournaments at the parks at least ninety (90) days prior to the proposed event. Staffing fees for these kinds of events may apply. The Association is specifically not permitted to sublet facilities to any individual or organization. The Association's Facility Use Agreement is for the Association's own use.

Associations may not schedule or host any activities at Wills Park on July 4th and 5th due to the City's annual July 4th celebration and fireworks, and day-after park clean-up. Associations may request special permission from the Department Director to schedule or host any activities at Wills Park on July 4th and/or 5th. The decision shall be made by the Department Director in his sole discretion.

The City reserves the right to restrict facility use on other dates when there are special events hosted by the City, the Department, or a non-City entity utilizing City facilities for a tournament, clinic, camp, etc. deemed appropriate and beneficial to the City. These dates, if applicable, will be included in the annual facility use agreement or will be communicated to the Association as soon as the dates are confirmed.

13. CAPITAL IMPROVEMENTS

The Department formally evaluates the condition of all park facilities and amenities twice per year. During these inspections, Department staff will determine whether or not facilities and amenities are in need of removal, repair, and/or replacement. Maintenance needs are prioritized by the Department based on safety, vandalism, functionality, aesthetics, etc.

During the City budget process (mid-year and/or fiscal year), Department staff will prepare a list of capital improvement projects to be recommended for funding. The list of projects shall include cost estimates and justification, and shall be presented to the Commission for review. The Commission shall prioritize the list of projects and may add or delete any projects recommended by staff. The Commission shall approve a capital improvements project budget request to be provided to the City Budget Review Committee and/or Mayor/Council for consideration during the budget process.

Association representatives are encouraged to identify capital improvement projects respective to the facility or facilities on which they operate. The list of projects should be prioritized by the Association Board and presented to the Commission liaison and the Department Director and/or his designee no later than early December prior to the start of the budget process. The Director determines whether or not to include recommended projects in the list that is given to the Commission. Financial partnerships (50/50) between the Associations and the Department are encouraged.

14. ANNUAL PRESENTATION

The President/Commissioner of the Association will be invited to the December meeting of the Commission in order to make a brief presentation on the activities of the Association during the past year and its plans for the following year. Each Association representative will be asked to submit a written report electronically to the City at least one week prior to the meeting. Presentation at the meeting and submission of a written report are both mandatory annual requirements.

15. CHANGES TO PROGRAM CONTENT, STRUCTURE, PHILOSOPHY, ETC. Each Association shall communicate to the Commission liaison(s) and employee liaison(s) any and all substantial changes in their program. For this purpose, a **substantial change** shall be defined as any change in the philosophy, mission, and organization of the Association which would impact the delivery of expected service to any and all program participants, current and future.

This includes but is not limited to the following:

- Addition/elimination of any age or skill level
- Addition/elimination of any component of overall program content (i.e. cheerleading, flag football, fast pitch softball, out-of-park All Stars, Sunday select, summer or winter league play, etc.)
- Association by-laws
- Board structure and composition
- Schedule of fees for participants
- Anything that would be in direct conflict with existing City/Department policies

Association shall notify liaisons as soon as the idea for a substantial change is included on an Association meeting agenda. Upon notification by the Association, the Commission and/or employee liaison shall communicate the information to the Department Director or his/her designee. Before any action shall be taken by the Association to implement the substantial change, the Association shall prepare a written proposal outlining the planned change to include justification for the change; benefits of the change to the Association, citizens of Alpharetta, and the City; communication plan to inform the general public; timeline for implementation; financial impact to program participants (if any); legal requirements (if any); etc. It shall be at the sole discretion of the Department to determine if an in-depth written proposal shall be required. This will be determined on a case-by-case basis, depending on the nature of the proposed change.

The Department shall determine the level of approval needed for the Association to implement the substantial change. The approval levels are noted as follows:

a. Association Board and members only
b. Department Director or his/her designee
c. Recreation Commission Sub-Committees
d. Alpharetta Recreation Commission
e. Alpharetta Mayor and City Council

18. SPONSORSHIPS/ADVERTISING

Associations are not permitted to display permanent advertising signage of any kind on fences, dugouts, concession buildings, grounds, roadways, etc.

Associations are allowed to seek sponsors to help offset expenses associated with administering their programs and to create a revenue stream for Associations to assist the City in funding capital projects benefitting the parks and facilities they use. Associations are not permitted to obtain sponsorships, including direct financial aid and/or in-kind

donations, from any religious organization, individuals, and businesses that compete with contractual obligations of the City. Sponsors must be in good taste and appropriate for City park environment (i.e. alcohol and/or tobacco-related products/businesses are not allowed to advertise in City parks).

Associations must request in writing to the Department Director permission to display sponsor banners in the parks. With approval of the Department Director, sponsor banners may be displayed on fences only during games. All banners must be taken down immediately at the conclusion of the last game of the day.

Associations are encouraged to support the City's Scoreboard Sponsor Program as a fundraising opportunity for Associations. Associations are assigned certain scoreboards and may sell advertising on these scoreboards per the terms of the City's Scoreboard Sponsor Program. Contact Department Director or his/her designee for information on the City's Scoreboard Sponsor Program.

REQUIREMENTS OF ASSOCIATIONS

1. FACILITY USE AGREEMENT

Any Association operating on City property must sign a Facility Use Agreement with the City. The agreement is issued prior to the start of the calendar year and specifically identifies the facilities to be used by the Association and the terms of that use.
Adherence to all policies and procedures in this manual is considered part of the Facility Use Agreement. The City retains the right to change these guidelines and policies at any time, without advance notice, as it deems appropriate. Any changes will be communicated to the Association within five (5) business days after the change has been made and approved.

In accordance with O.C.G.A. § 36-60-13, this agreement may be renewed for one (1) successive one (1) year term if, prior to the expiration of the then existing term, the parties execute a written agreement to renew same for a one (1) year term. For any such subsequent terms, facilities, dates, times, fees, and any modifications to the agreement will be determined by written agreement of the City and Association.

With respect to renewal of this agreement, any Association currently holding a Facility Use Agreement will receive priority, unless the City has reason to revoke the agreement. Facilities not in use will be distributed on a first come first served basis.

2. COACH CERTIFICATION AND TRAINING

Association must provide coach certification and/or training for all head and assistant coaches of each team. It is the responsibility of the Association to ensure that their volunteers complete all legally mandated training programs before being permitted to coach a team. Association must provide documentation of such training to the City upon request.

A comprehensive training program should include but not be limited to the information listed below:

- Sport Specific Training
- How to Organize Practices
- Communication with Parents
- Basic First Aid and CPR/AED
- Concussion Awareness Training
- Mandatory Child Abuse Reporting Requirement
- Severe Weather Policies and Procedures
- Heat and Hydration Guidelines
- Association Mission/Expectations
- Association Relationship with the City

3. SELECTION OF COACHES

Associations are responsible to select qualified coaches for their program. Each Association shall establish their own criteria to determine qualifications of coaches, such as coaching experience, past playing experience, etc.

4. FEES AND CHARGES

Note: Each Association will adhere to fee policies set by the City, including fees that may not yet be currently established.

Registration Fees

All registration fees shall be fair and equitable to all participants. Associations shall communicate to participants what the registration fee covers, including the number of practices and games per season. Registration fees shall be derived from predicted costs to operate the program, to fund Association operations, and to fund park capital improvements (current and future) that mutually benefit the City and Association.

Registration fees shall include the total cost of operating the association's program to include but not limited to; cost of uniforms, player awards, umpires/officials, equipment for the league/teams, first aid supplies, marketing, web administration, general maintenance of facilities, etc.

Non-Resident Fees

All program participants who reside outside the city limits of Alpharetta will be assessed a non-resident fee. Association shall pay the City non-resident fees for each Association non-resident participant in their program. This fee shall be paid for each athletic season held each year (fall, winter, spring, and/or summer), and must be paid to the City no later than three (3) months after the end of the last game of the season. Association non-resident fees shall be calculated at 75% more than the resident registration fee.

Note: the dollar amount of the Association non-resident fee shall not exceed the highest non-resident fee charged to participants in youth athletic programs managed directly by the Department. (Department's highest recreation league non-resident fee shall be the

maximum for the Association's recreation league non-resident players. Department's highest travel/select league non-resident fee shall be the maximum for the Association's travel/select/division 1 league non-resident players.)

At least two (2) weeks before the advertisement/announcement of registration and non-resident fees for a particular season, the Association must submit a fee schedule to the Department. The Department will review the fee schedule, and will have final approval of any and all non-resident fees.

The Association will be responsible for the determination of city residence during the registration period. Within one (1) week after receiving the Association's participation list with addresses, the Department will verify player residency and report information to theAssociation. The non-resident fee will be paid directly to the City of Alpharetta based onthe Department's verification of player residency. The Association is responsible for remitting non-resident fees for all non-City participants, regardless of whether or not it was collected by the Association.

City of Alpharetta employees and their immediate family members, regardless of where they reside, are considered Residents and may register during the Resident registration period. Non-resident fees are waived for these participants. Associations should contact the Department to verify employee status.

Scholarships
The Association should make available a reasonable number of scholarships for participants requiring assistance. The Association shall determine the eligibility criteria for scholarship recipients and shall determine whether or not to charge non-resident fees to scholarship recipients. Regardless, the Association is responsible to pay the City non-resident fees for non-resident scholarship recipients to the City.

Admission Fees
Associations are not allowed to require an admission fee to any normal association play. Admission fees may be collected for tournament play or other special events, upon approval of the Department. The Association must submit a letter of request in order to have an admission fee request approved.

5. PROGRAM/FACILITY SCHEDULES

Associations are required to submit all master schedules to the Department prior to the beginning of use of any City facility. This includes tryout dates, practice schedules, opening ceremonies, game schedules, special events such as player clinics, travel team schedules, etc. These schedules should be submitted thirty (30) days prior to the beginning of any program. Facility use outside the scope of the Facility Use Agreement must be requested through the Department and is not guaranteed.

6. SAFETY/ACCIDENT PREVENTION

Associations are responsible for operating their programs in a safe and effective manner. All fields, equipment and other facilities should be inspected before each use.

Associations should have an adequate number of adults present at each scheduled activity to supervise the participants from the outset to the close of the program. League officials are responsible for insuring that all programs are operated under safe weather conditions. Safety plans should be implemented in case hazardous situations should occur.

7. DISCRIMINATION

Associations must provide equal opportunity without regard to race, color, religion, sex, national origin, age, veteran's status, and disability. Associations must comply with the Americans With Disabilities Act (ADA) of 1990 and provide reasonable accommodations to members of the public, if so requested, unless participation would create a risk to any participant.

8. MAINTENANCE/FACILITY UPKEEP

The Department will be responsible for all field and facility preparation for all practices and games. This includes game day facility preparation, grass mowing, and lining of baseball and softball fields. Parks Services staff will prepare fields only once per day, usually in the morning. Staff is not available to prepare fields on Sundays. Staff is not responsible for lining of grass football fields.

Associations are responsible to report any and all facility maintenance issues to the Department as soon as they are noticed.

Associations are required to provide safe sports equipment for participants.

Associations are responsible for picking up litter around facilities and placing it in proper receptacles after the conclusion of a scheduled program. This includes playing areas, walkways, restrooms, press boxes, concession stands, dugouts, etc.

Associations should take proper steps to ensure that scheduled activities do not infringe on park neighbors or other park users. This includes reducing excessive noise, excessive traffic, parking problems, etc.

9. WEATHER POLICIES

The Department will determine if fields are playable. Associations will be notified as early as possible if the fields are not playable. Associations are prohibited from field use if the field has been deemed "unplayable." In the event of inclement weather after the Department's normal business hours, the Association is responsible for determining field playability. Associations are expected to exercise good judgment in determining if a field is playable, keeping the safety of the players foremost.

Associations must adhere to the **City's Severe Weather Policy**. For the safety of all, the City of Alpharetta observes the following severe weather procedures for all outdoor programs: Any flash or sound (thunder) which indicates diminishing weather conditions will result in the immediate suspension of any outdoor activities for a safe waiting period of **thirty (30) minutes**. All participants will be encouraged to seek shelter immediately.

Department staff and/or on-site supervisors will monitor conditions during this time. Subsequent flashes or sounds will result in an extended safe waiting period until it is determined by staff or on-site supervisor either that conditions are safe to resume scheduled outdoor activities, or that conditions have deteriorated to the point of canceling the outdoor activities.

Associations that do not have their own established **Hydration and Heat Guidelines** must adhere to the Hydration and Heat Related Guidelines observed by the Department. In summary, outdoor activities must be canceled if the WBGT (Wet Bulb Globe Temperature) is over 92 degrees. Additional guidelines also apply. A copy of the guidelines in their entirety will be provided to Associations.

Associations that do not have their own established **Cold Weather Policy** must adhere to the Cold Weather Policy observed by the Department. The policy is as follows: If the official Alpharetta, GA temperature according to www.weather.com is forecasted to be 30 degrees or lower at the time of the scheduled practice or game, it is recommended that the scheduled event be cancelled. If the temperature reaches 25 degrees, it is mandatory the event be cancelled.

The Department may cancel and/or postpone all youth programs and activities whenever Fulton County Schools are closed for inclement weather. If Department cancels programs, Associations shall also cancel programs.

10. CONCESSIONS OPERATIONS

Associations must comply with Fulton County Health Department regulations for concessions operations. Associations are required to purchase their own supplies and equipment, such as microwave, popcorn machine, nacho machine, crock pot, etc.

Associations are required to comply with the terms and conditions of City contracts with food and/or beverage providers for concession operations. Failure to adhere to the terms of any City contracts with concessions providers may result in termination of the facility use agreement. Contact the Department Director or his/her designee for information on current contracts.

Each Association that utilizes the services of a contract vendor ("for-profit" business or individual) to provide concession operations is required to pay the City 15% of all gross receipts from concessions. Gross receipts will constitute any and all revenues collected from sales of concessions. This 15% must be paid directly to the City and held by the City for projects the Association requests (in escrow). Projects for future park improvements require Department Director and Recreation Commission approval. All capital improvements must be completed prior to the start of the following season unless the City agrees that it is in the best interest of the City to delay the completion of the capital improvement.

Each Association that utilizes volunteer board members and/or parents to operate the concession stand is not required to remit a percentage of revenue to the City.

Concession facilities must be cleaned after each use and at the end of the season. Necessary building maintenance and vandalism should be reported to the City.

11. RESTROOMS

It shall be the responsibility of Associations to insure that restrooms are inspected after each program session. The City is responsible for the supply of paper products and general maintenance that may occur.

12. SECURING OF FACILITIES

An Association Board member, Coach or Club Approved Field Marshall should be responsible for securing facilities after each use, including all practices and games. This includes closing and locking of all buildings, the turning off of all lights and scoreboards, and ensuring all necessary gates are closed and secured. Association board members and coaches are asked to turn off lights and scoreboards immediately following the last practice or game of the night, instead of waiting for the timer to take effect.

13. KEYS

Keys to all required facilities will be distributed to the Commissioner/President of the Association, and may be distributed to the necessary individuals. A list of all individuals who have keys in their possession shall be submitted to the Department. The Association is responsible for returning all issued keys at the conclusion of the program. Any unreturned keys are subject to a fine at the discretion of the City. Periodically, the Department will change the locks and/or combinations to buildings, gates, and electrical boxes. The Department will notify affected Association of any changes, and will supply new keys/combinations as needed.

14. PUBLICITY

Associations must provide the Department with information at least two (2) weeks prior to publicizing the information to past and potential participants and on the Association website. The purpose of this is to ensure that guidelines for registration and fee structures (resident/non-resident) are followed by each Association. The Department will review information and notify Association within five (5) business days if any changes need to be made in order to comply with established guidelines.

The Department will provide links to Association websites on the City's website, www.alpharetta.ga.us. The Association must notify the City if the web address changes. Associations may request assistance from the City to help with marketing of registration. City may send news releases to local media outlets, email notifications to Department participants, include information in the City's e-newsletter and the Department's Facebook page. The City will not pay for Association advertising, flyers, mailings, etc.

15. PUBLIC USE OF FIELDS

The Facility Use Agreement applies only to organized league play for the duration of the agreement as specified on the agreement. Unless otherwise scheduled, the facilities are available to the public on a first come first serve basis, or may be rented by the Department to outside groups for activities deemed appropriate and beneficial to the City.

The terms of any facility rental agreements between the Department and outside groups are established and agreed upon solely by the City and the group renting the City's facilities. These agreements are independent of the lease agreements with the Associations. The City will not rent facilities to teams and programs that compete with the City's partner Associations. The City may host large tournaments through the Alpharetta Convention and Visitors Bureau.

16. ACCIDENT/INCIDENT REPORTS (attached)

The Association is responsible for filing an accident/incident report to the City which documents the details of any accident, injury, or incident which occurs on City property. The report should detail what occurred, the time of the accident/incident, where it occurred, who was involved, and who witnessed the accident/incident and filed the report. A copy of the accident/incident report is included in this manual. The report shall be submitted to the Department within two (2) working days of the accident/incident. Any and all accidents/incidents must be reported!

17. PARTICIPANT EVALUATIONS

All participants in Association programs must be given an opportunity to complete a participant evaluation at the conclusion of each athletic season in which he/she participated. The evaluation should include questions pertaining to the administration and organization of the program (i.e. ease of registration, quality of the coaches, program structure, program content, etc.), and the condition and appearance of the Department facilities. The Association should ask participants for comments and suggestions to improve the program. A summary of participant evaluations should be prepared and distributed to the Association Board, the Department, and the Recreation Commission within two (2) months at the end of each season. Upon request, the Association must make completed participant evaluations available to the Department and/or Commission. The City reserves the right to conduct independent participant surveys.

18. GRIEVANCE PROCEDURE

All participants must have due process to address any grievances with the Association's Board at a scheduled meeting.

19. COMPLAINT PROCEDURE

Any written complaint regarding a coach, league official, umpire, etc., should be copied to the Department Director.

20. BACKGROUND CHECK - VOLUNTEERS

All Association board members and any individual who wants to coach a youth team shall go through the City's criminal history background check once per calendar year. All potential volunteers must complete the Request for Criminal History form and provide a copy of valid photo identification. An Association representative shall be designated to collect the documentation and shall submit this to the designated Department staff, who will coordinate with Alpharetta Department of Public Safety.

The City's Human Resources Department personnel confers with the Department Director on any problematic criminal history background checks. Any individual who does not meet City standards for criminal history background check will not be allowed to coach in the youth league and should not be assigned a team. Potential volunteers who refuse to provide information necessary to complete the criminal history background check shall not be allowed to volunteer.

NOTE: Associations are responsible for collecting and submitting criminal history background check documentation (forms and photo ID) at least one (1) month prior to finalizing team coaching assignments. This will allow ample time for the criminal history background check to be completed. Association will be notified of any and all potential volunteers who do not successfully pass the City's criminal history background check. It is the Association's responsibility to inform volunteers of the outcome of their criminal history background checks. The City provides a process for any denied application to request an appeal of decision. This information is available upon request. The Department strongly encourages all Associations to submit background checks for potential assistant coaches.

21. BACKGROUND CHECK – OFFICIALS AND UMPIRES

Each Association who has a contractual agreement with an outside vendor to provide officiating services for the Association shall require, as part of the written agreement, that all officials/umpires who will be scheduled to officiate at Association activities complete a criminal history background check prior to officiating any games for the Association. The criminal history background check should be performed once per calendar year. The Association shall require appropriate documentation of completion of background checks. Documentation must be maintained on file by the Association.

22. MANDATORY REPORTING LAW

Volunteers who work with children are required by law to report suspected child abuse. The mandatory reporting requirement is a provision in HB 1176, the criminal justice reform bill signed by Governor Nathan Deal on May 2, 2012. Specifically, HB 1176 changed the definition of "child service organization personnel" to include volunteers. The law defines "child service organization personnel" as follows: "Child service organization personnel" means persons employed by or volunteering at a business or an organization, whether public, private, for profit, not for profit, or voluntary, that provides care, treatment, education, training, supervision, coaching, counseling, recreational programs, or shelter to children."

It will be the responsibility of each Association to ensure that all volunteers and contracted vendors are notified of the law. All Association volunteers must complete a training program before being allowed to serve as a volunteer for the Association. The City will provide access to online training for volunteers as available.

23. CONCUSSION AWARENESS POLICIES AND PROCEDURES

HB 48 by the Georgia Legislature requires agencies to educate youth athletes and their parents on the dangers of concussions in youth athletic activities. The Georgia Department of Public Health is referring everyone to the "Heads Up – Concussion in Youth Sports" program offered by the CDC. The following is a link to the program: http://www.cdc.gov/concussion/HeadsUp/online_training.html.

It is the policy of the Department to educate coaches, referees, employees, instructors of at-risk activities, trainers, parents, and participants of the signs, symptoms and behaviors consistent with sports- and activity-induced concussions. Further, the Department requires that any participant, under the age of 18, suspected of a concussion or head injury must be removed from the activity and it is recommended that the participant be examined by a licensed health care provider. If a participant is deemed by a licensed health care provider to have sustained a concussion, Department personnel or other designated personnel (coaches, referees, instructors of at-risk activities, trainers, and parents) shall not permit the participant to return to play until he or she receives documented clearance from a licensed health care provider for a full or graduated return to play.

A full copy of the Department's policies and procedures is available upon request.

FACILITY GUIDELINES AND ORDINANCES

Associations are responsible for adherence to all City and park ordinances.

1. HOURS OF OPERATION

City facilities open at 8:00am and close at 11:00pm. Associations are not allowed to conduct a program prior to 8:00am and after 11:00pm, unless prior written approval has been given by the Department.

2. USE OF PARKS FOR GOLF PRACTICE

Parks may not be used for golf practice, with the exception of disc golf which is permitted at the disc golf course at Wills Park.

3. MOTOR VEHICLES IN PARKS

Motorized vehicle operation is restricted to prescribed paths, marked roadways, driveways and parking lots. This also applies to parking in areas other than designated parking spaces. Unauthorized vehicles are not allowed in "plaza" areas of ball fields without permission from the Department.

4. LITTER CONTROL

It is unlawful to litter. Each Association is responsible for insuring that all fields, parking lots, restrooms, dugouts, bleachers, concession areas, etc. are kept clean and litter free on a daily basis. Clean up fees may be assessed to Associations not adhering to this policy. All litter should be picked up and placed in the proper containers.

5. ALCOHOL BEVERAGES

Per City ordinance, the selling or consumption of alcoholic beverages on park property is strictly prohibited.

6. TOBACCO USE

Per City ordinance, the use of any and all tobacco products on park property is strictly prohibited.

7. ANIMALS IN PARKS

Other than service animals, it is against park regulations for any individual who possesses or is in charge of a domestic animal, restrained or unrestrained, to bring the animal onto any athletic field. It is the owner's responsibility to remove any animal excrement deposited by their animal on park property and dispose of it in a sanitary manner. For the safety of all, pet owners are required by law to obey Fulton County leash laws while visiting city of Alpharetta park facilities.

8. NOISES AND SOUNDS PROHIBITED

It is unlawful for any person to make, continue or cause to be made any loud, unnecessary or unusual noises that annoy, disturb, injure, or endanger the safety or comfort of others in the area.

9. CLOSING OF BALLFIELDS

The Department may close to the Association and/or public any ballfield or facility for maintenance purposes. Such facilities will be posted, and it is unlawful for any person to enter a closed facility.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

PARK/FACILITY REGULATIONS

1. Associations conducting youth activities on City facilities must have at least one (1) adult present for every fifteen (15) youth participating in an activity to supervise all scheduled activities from the outset to the conclusion of the activity.

2. Participants, Spectators, Parents, Coaches, or Officials of an organization must display appropriate conduct while operating activities on City facilities and must adhere to the Department's Code of Conduct. A copy of this document is available upon request. Association is responsible to provide this information to the appropriate parties. Continuous failure to do so could result in the termination of this agreement.

3. The Association shall be responsible for any damage incurred to the facilities while in use by the Association. Persistent damage to City facilities while in use by the Association could result in agreement revocation

4. The Association is responsible for policing the area around athletic fields, plaza areas, parking lots, rest rooms, concession stand, dugouts, and walkways. This must be completed upon the conclusion of each activity.

5. Association representatives are responsible to report any/all suspicious activity occurring on City property to the Department and/or to the City's Department of Public Safety.

6. The Department will supply locks for all required facilities and structures. Keys and/or combinations will be distributed as per Department policy.

7. The City shall be responsible for mowing the grass, moving bleachers, general maintenance, etc., unless otherwise specified in the agreement.

8. A designated Association member must make sure the facilities are secure and all lights turned off before departing the area.

9. The Department reserves the right to cancel any scheduled activities when it is believed that such use as during bad weather would damage facilities or put participants at risk.

10. Bicycles, roller blades, skateboards are prohibited on walkways or other designated areas.

11. No game shall begin after 10:00pm; every effort should be made to conclude by 11:00pm.

12. Questions, recommendations, complaints, etc. regarding park facilities and operations should be directed to the Department: 678-297-6152, athleticprograms@alpharetta.ga.us.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

DEPARTMENT PERSONNEL AND CONTACT INFORMATION

Director		
Morgan Rodgers, CPRP	678-297-6103	mrodgers@alpharetta.ga.us
Administrative Office Coordinator		
Amber O'Dwyer	678-297-6104	aodwyer@alpharetta.ga.us
Projects Manager		
Kurt Kirby, CPRP, CPO, CPSI	770-740-1034	kkirby@alpharetta.ga.us
Wills Park Manager – *Park Facilities, Equestrian Center*		
Matt Casey, CPRP	678-297-6122	mcasey@alpharetta.ga.us
Parks Services Manager – *Park Supervisors, Greenway*		
Eric Milley, CPO, CPSI	678-297-6106	emilley@alpharetta.ga.us
Park Supervisor II		
Barry Pike (Wills Park)	678-297-6125	bpike@alpharetta.ga.us
Chris Anderson, CPSI, CPO (North Park)	770-751-7840	canderson@alpharetta.ga.us
Nate Hand, CPSI (Webb Bridge)	770-751-7841	nhand@alpharetta.ga.us
Administrative Assistant II - *Parks*		
Ruby Flynn	678-297-6123	rflynn@alpharetta.ga.us
Community Services Manager		
Amanda Musilli	404-314-1245	amusilli@alpharetta.ga.us
Marketing Coordinator		
Deanna McKay	678-879-2568	dmckay@alpharetta.ga.us
Cultural Arts Services Manager		
Kim Manning	678-297-6078	kmanning@alpharetta.ga.us
Alpharetta Arts Center	678-297-6135	arts@alpharetta.ga.us
Recreation Services Manager		
Christine Young	678-297-6154	cyoung@alpharetta.ga.us
Recreation Centers/Program Areas		
General Information	678-297-6100	recreation@alpharetta.ga.us
Athletics Supervisor	678-297-6163	athleticprograms@alpharetta.ga.us
Alpharetta Community Center (Wills Park)	678-297-6100	accprograms@alpharetta.ga.us
Alpharetta Adult Activity Center (North Park)	678-297-6140	activeadults@alpharetta.ga.us
Wills Park Recreation Center (Wills Park)	678-297-6130	wprcprograms@alpharetta.ga.us
Wills Park Pool, Aquatics and Wellness	678-297-6153	aquatics@alpharetta.ga.us

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

City of Alpharetta
Accident / Incident Report Form

Date of accident/incident_____ **Time of accident/incident** _____
Facility where accident/incident occurred _____
Specific location of accident/incident within the facility _
Number of persons involved_____ **Police notified Y N EMS notified Y N**

Information on persons involved in the accident/incident:

NAME (please print)	PHONE	Under the age of 18
	Day: **Evening:**	
	Day: **Evening:**	
	Day: **Evening:**	

Information on witnesses to the accident/incident

NAME (print)	SIGNATURE	PHONE
		Day: **Evening:**
		Day: **Evening:**
		Day: **Evening:**
		Day: **Evening:**

ACCIDENT/INCIDENT SUMMARY: _____

If applicable, who offered treatment options

_____

Did the injured party waive treatment Y N
****Photos of accident/incident site taken Y N**
Person completing form _____ _____ _____
(Print name) Signature Date
Person completing form _____ _____
Day phone Evening phone

** Take photographs of the accident/incident site as soon as practical but within 24 hours of the accident/incident
Fax or email completed form to **Safety/Risk Administrator at 678-297-6292 or dnelson@alpharetta.ga.us; and City at 678-297-6154 or recreation@alpharetta.ga.us.**

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

ASSOCIATION CHECKLIST

REQUIRED ANNUALLY AND/OR BEFORE SEASON BEGINS EACH YEAR;

DESCRIPTION	DUE*	DONE
Proof of Non-profit status submitted to ARPCS	On file each year	_____
Current Association by-laws to ARPCS	On file each year	_____
Copy of Certificate of Insurance naming ARPCS as a certificate holder	On file each year	_____
Open election of Board of Directors	On file each year	_____
Annual membership meeting	Annually	_____
Coach Background Check Consent Forms	Annually	_____
Signed Facility Use Agreement	Annually	_____
Financial Statements – **to include the following**;	Annually	_____
1. Summary of operating budget, income and expenses 2. Summary of capital expenditures 3. Registration fees charged to participants 4. Federal and State tax returns 5. Profit and Loss statement		
Slate of nominated officers and home address to ARPCS	30 days before elections	_____
List of elected officers to ARPCS	One month after elections	_____
Rosters to ARPCS	One month after end of registration period	_____
Master Schedule to ARPCS (tryouts, practices, games)	1 month before season	_____

REQUIRED AFTER THE SEASON ENDS;

DESCRIPTION	DUE*	DONE
Participant Evaluation Summary to ARPCS	2 months after each season	_____
Payment of Non-Resident Fees to City	3 months after each season	_____
List of Certified Coaches to ARPCS	Provide upon request	_____

REQUIRED SEASONALLY/AS NEEDED;

DESCRIPTION	DUE*	DONE
List of key holders to ARPCS	Update as necessary	_____
Accident/Incident Reports	As necessary	_____
Copy of Coach Complaint to ARPCS	As necessary	_____
Information for ARPCS promotions	TBD by ARPCS	_____

**Due Dates for each Association will be discussed and agreed upon with each Association Commissioner/President during the contract review process. Some Due Dates will vary per Association, based on Association fiscal year.*

Note: ARPCS = Alpharetta Recreation, Parks and Cultural Services

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENT

This agreement, made this 12th day of December 2022, is entered into by and between the City of Alpharetta, a municipal corporation of the State of Georgia, located at 2 Park Plaza, Alpharetta, Georgia, 30009 ("City"), and the North Atlanta Football League, Inc., a non-profit corporation located at 895 Onagh Court, Milton, GA 30004 ("Association"). The City and the Association are sometimes referred to in this agreement collectively as the "Parties".

WITNESSETH:

In consideration of the mutual agreements contained in this document, the City and Association agree as follows:

1. The Association agrees to provide a youth sports program (organized league play) as a service for the City in accordance with all policies and procedures for youth sports associations operating on city property previously set forth, (including the Youth Athletic Association Facility Use Agreement and Organizational Requirements) and attached in this agreement.

2. This Facility Use Agreement shall begin on the Effective Date and terminate on December 31, 2023. Thereafter, in accordance with O.C.G.A. § 36-60-13, this agreement may be renewed for one (1) successive one (1) year term if, prior to the expiration of the then existing term, the Parties execute a written agreement to renew same for a one (1) year term. For any such subsequent terms, facilities, dates, times, fees, and any modifications to the agreement will be determined by written agreement of the City and Association.

3. The City agrees to authorize the Association the use of fields and facilities as listed below at North Park. This agreement includes use of all support structures (dugouts, lights, press-boxes, concession stands, storage facilities, bleachers, batting cages, fencing, etc.) for approved league play unless otherwise specified. See Exhibit A for detailed information on days and times of approved use of fields and facilities.

4. The Association agrees the facilities will be used in a safe manner, and in compliance with all applicable federal and state laws and City ordinances, rules and regulations.

5. Association shall not cause or permit damage or injury to the facilities. No alteration, addition, or improvement to the facilities shall be made by the Association without prior written consent from the City. Such alterations, additions, or improvements shall become and remain City property.

6. Failure of the City to insist upon strict performance of any term or condition of this agreement shall not be a waiver of any right or remedy the City may have and shall not be a waiver of any subsequent breach of terms or conditions.

7. The City may enter the facilities at any time during the period of this agreement for inspection or supervision as deemed necessary.

8. 8. It is agreed and understood that the Association shall indemnify and hold the City, its agents and employees harmless from any and all liability, costs, legal fees, expenses, damage or injury to participants or property, and any claim or causes of action arising out of the performance of this agreement or negligence.

9. This agreement may be modified only by a written agreement between the City and the Association.

10. It is the understanding of the City and the Association that nothing contained in this agreement shall be interpreted to assign to the Association any status under this agreement other than that of an independent Association.

11. Nothing within this agreement shall be construed as a waiver of governmental immunity by the City, its officers or employees.

12. For the purpose of this agreement, any notices required to be sent to the Parties shall be mailed to the following respective addresses:

ASSOCIATION NAME:	North Atlanta Football League, Inc.
ADDRESS:	600 Houze Way, Suite E2
CITY/STATE/ZIP:	Roswell, GA 30076
PHONE:	561.777.0795
WEBSITE:	www.nafl.club
EMAIL:	info@naflboard.com

CITY: Alpharetta Recreation, Parks & Cultural Services
Attn: Recreation Manager
2 Park Plaza
Alpharetta, GA 30009
678.297.6154
recreation@alpharetta.ga.us

13. It is agreed between the City and the Association that this agreement shall be executed in an original and one copy, which may be used for any purpose for which the original may be used.
14. The City has designated the Recreation Manager for the City as its contact person, coordinator, and liaison person with the Association in the execution of the terms of this agreement.
15. The Association shall not have the right to assign the interest it holds in this agreement.
16. The facilities shall not be used for any purpose other than those designated within this agreement, without the written consent of the City.
17. The Association may not deny participation in any park or program based on race, color, national origin, religion, sex, age, or disability.
18. The Association members agree to abide by all City policies and procedures as attached in this agreement.
19. The Association will adhere to fee policies set by the City, including fees that may not yet be currently established.
20. This Agreement shall not be assigned or subcontracted in whole or in part without the prior written consent of ARPCS. This Agreement shall be construed under and governed by the laws of the State of Georgia. This Agreement is the complete understanding of the Parties in respect of the subject matter of this Agreement and supersedes all prior agreements relating to the same subject matter. The Parties may modify this Agreement only by written instrument signed by each of the Parties hereto. Failure by either party to enforce a provision of this Agreement shall not constitute a waiver of that or any other provision of the Agreement. The invalidity or unenforceability of any provision

of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement.

21. The Association acknowledges and agrees that by virtue of the fact that the fields and other facilities made available to the Association under this Facility Use Agreement were funded by the taxpayers of the City and are owned by the City, and further due to the fact that the recreation fees generated from the availability of such fields, the Association is subject to the Open Records and Open Meeting laws of the state of Georgia. The Association agrees to comply with those laws. To the extent that the Association is uncertain or needs assistance as to proper compliance with such laws, the City shall provide such assistance and guidance. The Association further agrees that all books and records of the Association shall be made available to the City of Alpharetta as and when requested for review or audit.

22. City shall have the right to terminate this Agreement upon failure of Association to perform its obligations to the satisfaction of City. Prior to exercising this right of termination, City shall provide Association with a written notice specifying Association's failure to perform and providing Association with a reasonable opportunity to cure its performance. In the event that Association fails to cure its performance, or in the event of subsequent failure to perform, City shall have the right to immediately terminate the Agreement by providing written notice of termination to Association.

    Association shall have the right to terminate this Agreement upon failure of City to perform its obligations to the satisfaction of Association. Prior to exercising this right of termination, Association shall provide City with a written notice specifying City's failure to perform and providing City with a reasonable opportunity to cure its performance. In the event that City fails to cure its performance, or in the event of subsequent failure to perform, Association shall have the right to immediately terminate the Agreement by providing written notice of termination to City.

    Either party may terminate this Agreement at any time without cause upon ninety (90) days written notice to the other party.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

YOUTH ATHLETIC ASSOCIATION FACILITY USE AGREEMENT

I hereby acknowledge and understand that the Association of which I am authorized to represent will abide by and comply with the terms and conditions as set forth in this Facility Use Agreement as well as all of the policies, procedures, guidelines, and rules contained within the City's Youth Athletic Association Handbook. I understand that failure of the Association or any of its members to comply may result in termination of this Agreement with the City.

NORTH ATLANTA FOOTBALL LEAGUE, INC.

By:_____

Print Name:

Title:

CITY OF ALPHARETTA, GEORGIA

By:_____

Print Name: Jim Gilvin

Title: Mayor, City of Alpharetta

APPROVED AS TO CONTENT:

By:_____

Print Name: Morgan Rodgers

Title: Recreation, Parks & Cultural Services Department

APPROVED AS TO FORM:

By:_____

Molly Esswein, City Attorney

EXHIBIT A – 2023 Facility Use Agreement

Annual Association Schedule

EXHIBIT A
2023 FACILITY USE AGREEMENT – NORTH ATLANTA FOOTBALL LEAGUE (NAFL)

MOU WITH CITY OF MILTON

The City of Alpharetta Mayor and Council Members approved a resolution to enter into memorandum of understandings (MOU's) with the City of Milton. The "Parks without Borders" MOU provides for a mutual waiving of non-resident fees for residents of each city who participate in the partner city's recreational football program. The MOU also allows residents of each partner city to register for the other city's recreational football program during the second week of registration instead of during the third week of registration. This MOU shall be in effect for the 2023 seasons, and shall be renewed automatically with registration through the 2024 seasons unless either City delivers written notice of non-renewal to the other City at least ninety (90) days prior to the expiration of the term or any renewal term.

April 30, 2023 – July 30, 2023:

- North Park Multi-Purpose Field 1: Days/times to be determined and agreed upon by City and NAFL. Field 2 based upon availability in scheduling.

July 31, 2023 – November 11, 2023:

- North Park Multi-Purpose Field 1: Monday through Friday from 5pm to 8:30pm; Field 2 based upon availability in scheduling.
- North Park Multi-Purpose Field 1: Saturdays from 8:00am to 5:00pm (exact schedule of field use to be determined once the game schedule is published); Field 2 based upon availability in scheduling.
- North Park Multi-Purpose Field 2: Field 2 based upon availability in scheduling.
- Alpharetta Recreation, Parks and Cultural Services will use North Park Multi-Purpose Fields 1 & 2 Monday through Friday from 8:45pm to 5:00pm, Saturdays from 5pm to close (pending final published game schedule).
- North Park North Metro Miracle League field may be used with permission from NMML prior to start of the season. Contact Mike Haynes at mikehaynes@str8upsports.com for approval.
- The City in its sole discretion shall consider requests for field time above and beyond the times listed above based on demonstrated need by NAFL. ***All additional clinics and camps scheduled past the end of the regular season must be submitted and approved by City staff prior to the advertising and registration of NAFL's events.***
- Rentals, tournaments, and events may be scheduled by the City after the execution of this facility use agreement.

ALPHARETTA RECREATION, PARKS & CULTURAL SERVICES

Invoicing Schedule

The Association shall be responsible for submitting rosters to designated City staff in a timely manner for residency verification and invoicing:

Youth Athletics SEASONAL INVOICING					
SEASON	ASSOCIATION	SEASON DATES	ROSTER VERIFICATION	INVOICE SUBMISSION	
Fall	AYBA, AYSA, AMBUSH, NAFL	Sept.-Nov.	Mid-January	Mid- March	
Winter					
Spring	AYBA, AYSA, Ambush , Travel	Mar.-May	Mid-July	Mid-September	
Summer	AYBA, AYSA	June	N/A	N/A	

Residents on rosters will be verified per the MOU for each Association:
Residents-Alpharetta & Milton

2023 NAFL Contact

Name/Title: Vaughn Lemoine, President
Email: vaughn@thesecurityforce.com
Phone: 561-777-0795

BUSINESS SEARCH

BUSINESS INFORMATION

Business Name:	**North Atlanta Football League, Inc.**	Control Number:	**15022837**
Business Type:	**Domestic Nonprofit Corporation**	Business Status:	**Active/Compliance**
Business Purpose:	**NONE**		
Principal Office Address:	**895 Onagh Ct, Milton, GA, 30004, USA**	Date of Formation / Registration Date:	**2/17/2015**
State of Formation:	**Georgia**	Last Annual Registration Year:	**2022**

REGISTERED AGENT INFORMATION

Registered Agent Name:	**Vaughn Lemoine**
Physical Address:	**895 onagh ct, milton, GA, 30004, USA**
County:	**Fulton**

OFFICER INFORMATION

Name	Title	Business Address
Thomas DeLaHunt	CFO	2705 Bethany Creek Ct, Milton, GA, 30004, USA
thomas delahunt	Secretary	2705 bethany creek ct, milton, GA, 30004, USA
Vaughn Lemoine	CEO	895 ONAGH CT, MILTON, GA, 30004, USA

Back

Filing History | Name History | Return to Business Search

CITY COUNCIL MEETING
STAFF REPORT

SUBMITTING DEPARTMENT: COMMUNITY DEVELOPMENT
SUBMITTED BY: KATHI COOK
DRAFTED BY: MICHAEL WOODMAN

I. AGENDA ITEM TITLE: Z-22-14/CU-22-08/V-22-27 2385 OLD MILTON PARKWAY

CITY COUNCIL: DECEMBER 12, 2022

This item was considered at the 12/1/2022 Planning Commission meeting. Staff recommended approval subject to 28 conditions. There was one (1) public comment in support of the applicant's request. After discussion, Planning Commission recommended approval subject to staff's recommended conditions and adding language to conditions #2 and 26. Vote 6-0

II. RECOMMENDATION:

Approve Z-22-14/CU-22-08/V-22-27 2385 Old Milton Parkway, subject to the following conditions:

1. Approximately 1.31 acres shall be zoned DT-LW and developed substantially similar to site plan prepared by KSi Design Group, labeled Exhibit A, except for modifications required to comply with the conditions below. However, lot yield depicted is not guaranteed and subject to meeting all City code requirements and conditions of zoning.
2. Architecture and materials shall be substantially similar to the submitted renderings, labeled Exhibit B, and developed in compliance with the Downtown Code building design regulations and Downtown Consultant comments, subject to final approval by DRB. Storefront glass shall not extend to the ground. Non-residential building and townhomes shall have 4-sided architecture, materials and details.
3. Density shall not exceed 6.11 dwelling units per acre.
4. Developer shall improve Old Milton Parkway streetscape with a minimum 4' planter planted with street trees and/or shrubs (subject to Staff and GDOT approval), minimum 8' sidewalk west of project entrance and 12' sidewalk east of project entrance, and decorative pedestrian lighting, with final approval by Staff. In lieu of tree grates, the soil area around street trees shall be planted with evergreen ornamental grasses, groundcovers and/or shrubs.
5. Minimum 20' landscape strip/building setback shall be provided along Old Milton Parkway. Landscape strip shall be planted with shade trees as a continuation of what has been planted or designed in the Downtown and outside of utility easements and overhead utilities, as approved by DRB.
6. New internal street, alley and sidewalks shall be developed as depicted on the site plan prepared by KSi Design Group, labeled Exhibit A, with final approval by Staff. Decorative pedestrian lighting shall be required throughout the development. Internal streets and alleys shall be private and maintained by the HOA.
7. Minimum 10' landscape strip shall be required along both sides of internal street, not including the alley. Landscape strips shall be exclusive of utilities and easements, except that if Fulton County requires an unencumbered easement shrubs shall replace tree requirements on one side of the street.
8. Landscape strips along the west, south and east property lines shall be planted with a double row of evergreen and hardwood trees and shrubs adjacent to the on-site townhomes and adjacent to the residential portion of Chelsea Walk, as approved by DRB.
9. Project entrance shall include a decorative paver apron, landscaping, and hardscape, as approved by DRB.
10. Developer shall be responsible for all costs associated with upgrading the Old Milton Parkway traffic signal to accommodate the new development. Traffic signal modification to be complete prior to final plat.
11. Developer shall upgrade the crosswalks across Old Milton Parkway at Kingry Lane to provide an enhanced pedestrian and bicycle crossing, as approved by Staff and GDOT. This improvement shall be eligible for impact fee credits.
12. Open space shall be developed substantially similar to the site plan prepared by KSi Design Group, labeled Exhibit A, as approved by Staff. Open space shall be developed with a park-like setting with decorative landscape, hardscape and seating. Landscape shall include plant selections promoting the historic Downtown.
13. Creeping vines shall be planted to cover retaining and low walls, as approved by DRB.
14. Developer shall save the following specimen trees: #676 (26" Cedar), #677 (50" Water Oak), #678 (44" Water Oak), and #683 (23" Pecan). Construction within the CRZ of saved specimen trees shall be limited to no more than a 20% encroachment and shall be accomplished using innovative techniques to bridge over the root zones, as approved by Staff. Demolition and construction within the CRZ of saved specimen trees shall be completed under the supervision of an ISA Certified Arborist.
15. Developer shall save additional trees of quality and/or tree groupings, as approved by Staff.

16. Each townhome unit shall have at least 1 tree or large ornamental tree planted in the front yard along the alley, as approved by Staff.
17. Future interparcel connection to the east shall be striped as parking until such time that the adjacent property is developed.
18. Fences and walls visible from the public right-of-way shall be decorative, as approved by DRB. Unfinished wood fences and decks shall not be visible from the street.
19. HVAC and similar equipment shall not be visible from the public right-of-way.
20. Dumpster enclosure shall not be visible from the public right-of-way and shall be no closer than 100' from the adjacent townhomes in Chelsea Walk.
21. Garbage pickup shall be from within the development.
22. Underground stormwater management infrastructure may be placed in the parking lot and private alley as depicted on the site plan prepared by KSi Design Group, labeled Exhibit A, with final approval by Staff. Underground stormwater shall not be located in the fire truck turnaround. Stormwater facilities shall be indicated on the recorded final plat, clearly describing the underground facilities, their function, purpose, ownership, and granting access for inspection, maintenance and repair rights to the HOA and the City. Maintenance responsibilities shall be included in the recorded covenants with all costs to be borne by the HOA, home and business owners of the development.
23. 'No On-Street Parking' signage shall be posted at the hammerhead turnaround, alley and internal street.
24. No more than 1 of the residential units shall be permitted to be rented, as recorded in the HOA's declarations and covenants.
25. 'Drug Store, Pharmacy' and 'Restaurant' shall be added as a conditional use at 2385 Old Milton Parkway. 'Drug Store, Pharmacy' shall be limited to Avalon Pharmacy and no more than 2,500 square feet and 'Restaurant' shall be limited to Avalon Coffee Bar and no more than 1,500 square feet. No additional 'Drug Store, Pharmacy' or 'Restaurant' use or subleasing shall be permitted within the approved spaces.
26. 'Drug Store, Pharmacy' shall be limited to a retail pharmacy and 'Restaurant' shall be limited to a coffee shop. Neither conditional use shall have drive-through facilities.
27. Hours of operation for Avalon Pharmacy shall be limited to Monday – Friday 9:00 AM – 6:00 PM and Saturday 10:00 AM – 2:00 PM. Hours of operation for Avalon Coffee Bar shall be limited to Monday – Sunday 8:00 AM – 6:00 PM.
28. There shall be a joint property owners association for the entire property providing for the maintenance of site improvements.

III. REPORT IN BRIEF:

The applicant, Moslem Eskandari, is requesting a rezoning, conditional use and variance to allow for the construction of a two (2) story, 8,000 square foot office over retail building and eight (8) 'For-Sale' townhomes on 1.31 acres in the Downtown. The proposed density is 6.11 dwelling units per acre. A rezoning is requested from R-12 (Dwelling, 'For-Sale', Residential) to DT-LW (Downtown Live-Work) and a conditional use is requested to allow 'Drug Store, Pharmacy' and 'Restaurant' for a coffee shop. A variance is requested to allow townhomes to be front loaded. The subject property is located at 2385 Old Milton Parkway on the south side of Old Milton Parkway at the intersection with Kingry Lane.

DISCUSSION

The submitted request, if approved, would allow for the construction of a two (2) story, 8,000 square foot office over retail building and eight (8) 'For-Sale' townhomes on 1.31 acres in the Downtown. The proposed density is 6.11 dwelling units per acre. The applicant proposes to rezone the property from R-12 (Dwelling, 'For-Sale', Residential) to DT-LW (Downtown Live-Work). A conditional use is requested to allow a 'Drug Store, Pharmacy' and 'Restaurant' for a coffee shop and a variance is requested to allow townhomes to be front loaded. The subject property is located at 2385 Old Milton Parkway on the south side of Old Milton Parkway at the intersection with Kingry Lane.

The property is developed with a one (1) story, 852 square foot single-family detached home. Surrounding properties are zoned O-I (Office-Institutional) to the north and west and DT-LW to the south and east. Chelsea Walk subdivision is located to the south and east, U.S. Postal Office and Cadence Bank are located to the north, and Beaty Facial Plastic Surgery is located to the west. The comprehensive land use plan designation of the property is 'Mixed Use Live Work', which allows the proposed uses.

The applicant requests a variance to modify Downtown Overlay site regulations (building orientation) to allow townhomes to be front loaded. The applicant provided a site plan depicting rear loaded townhomes; however, the current site plan is preferred as it saves a 23" Pecan tree in the middle of the property.

A conditional use is requested to allow a 'Drug Store, Pharmacy' and 'Restaurant' for a coffee shop. A coffee shop is defined as a 'Restaurant' for zoning purposes in the City's Unified Development Code (UDC). Avalon Pharmacy is proposed to occupy a 2,500 square foot suite and Avalon Coffee Bar is proposed to occupy a 1,500 square foot suite, with both businesses located on the first floor of the new two (2) story building. Avalon Pharmacy is an independent, retail pharmacy with approximately four (4) employees and hours of operation of Monday – Friday 9:00 AM – 6:00 PM and Saturday 10:00 AM – 2:00 PM. The applicant currently operates North Fulton Pharmacy, which is located in the City at 501 South Main Street, Suite 103. Avalon Coffee Bar will serve coffee and tea and will have approximately four (4) employees. Hours of operation will be Monday – Sunday 8:00 AM – 6:00 PM.

The table below identifies residential approvals in the Downtown since the adoption of the 2015 Downtown Master Plan update. The applicant's proposed density of 6.11 dwelling units/acre is similar to densities approved in the Downtown and along Old Milton Parkway.

Downtown – Residential Approvals since the 2015 Downtown Master Plan Update

Development Name	Type	Acres	Density
Wills Overlook	16 TH	2.24 acres	7.13 du/ac
116/126 North Main St	4 Condo	1.43 acres	2.8 du/ac
South of Wills Park	55 TH	5.5 acres	9.93 du/ac
Alcovy Estates	10 SFD, 4 SD, 5 TH	2.84 acres	6.7 du/ac
236/244 North Main St	11 SFD	1.6 acres	6.8 du/ac
Mayfair on Main-217 South Main St	13 SFD, 11 TH	2.3 acres	10.4 du/ac
Hudson Park	16 SFD	2.41 acres	6.64 du/ac
The 1858	11 SFD	1.68 acres	6.55 du/ac
AlphaDev	11 SFD, 6 TH	2.21 acres	7.7 du/ac
Alcovy Place	10 SFD	1.23 acres	8.1 du/ac
City Center/Voysey	42 SFD, 168 For-Rent	25 acres	8.0 du/ac
Midwick	17 SFD, 23 TH	5.85 acres	6.8 du/ac
Old Milton Holdings (Foundry)	25 SFD, 137 TH	23.89 acres	6.8 du/ac
Thompson Street Flats (Kairos)	24 Condo (High)	2.39 acres	10.0 du/ac
Burnett Circle (Ouray)	43 TH	5.72 acres	7.5 du/ac
Weyhill	9 SFD	3.1 acres	2.9 du/ac
Teasley Place	24 Condo (High)	1.5 acres	16 du/ac
East of Main	60 SFD, 42 TH	13.87 acres	7.35 du/ac
Twelve on Canton	12 SFD	5.46 acres	2.2 du/ac
The Maxwell	58 SFD, 80 Condo (Mid)	12.91 acres	10.7 du/ac
Rowes Downtown	22 SFD	3.26 acres	6.75 du/ac
Chelsea Walk	49 TH	7.04 acres	7.0 du/ac
Manning on the Square	58 SFD	11.7 acres	4.96 du/ac
Villa Magnolia	26 SFD	3.53 acres	7.37 du/ac

SITE PLAN

The submitted site plan depicts a two (2) story, 8,000 square foot office over retail building oriented to Old Milton Parkway with parking to the rear. Access to the property is from a curb cut off Old Milton Parkway at the traffic signal at Kingry Lane. Just south of the parking lot are eight (8), 3-story front-loaded 'For-Sale' townhomes with access from a new private alley. Townhomes are approximately 24' wide. The non-residential building is depicted with a twenty-foot (20') setback and landscape strip along Old Milton Parkway, which is consistent with setbacks approved along Old Milton Parkway in the Downtown.

An eight-foot (8') sidewalk is depicted along Old Milton Parkway and a five-foot (5') sidewalk is depicted along the west side of the new private street. Future interparcel access is accommodated to the east and west. A ten-foot (10') landscape strip is depicted along the new internal street.

Sixteen (16) parking spaces are depicted to the rear of the non-residential building and an additional eleven (11) parking spaces are depicted on the east side of the new internal street. Townhomes will have two (2) side-by-side parking spaces in a garage and a Code-compliant driveway accommodating two (2) additional cars. Seven (7) shared commercial/guest parking spaces are provided at the end of the new street near the townhomes. As shown in the table below, the Downtown Code requires 40 parking spaces for the proposed development, of which 59 spaces are provided on the site plan.

Use	Amount	Parking Rate	Required Parking Spaces
Townhomes	8 units	2.5 spaces/unit	20
Office	4,000 SF	3 spaces/1,000 SF	12
Retail	4,000 SF	1 space/500 SF	8
TOTAL			40

The site plan depicts 0.13 acres, or 10.3% amenity space within the proposed development. The DT-LW district requires a minimum 10% amenity space. Amenity space is proposed to include a pocket park at the front of the development and a plaza to the side of the non-residential building, and a central park with tree save area in the middle of the property.

Nine (9) specimen trees are identified in the applicant's arborist report, of which four (4) are proposed to be saved. Two (2) of the saved specimen trees are located on the subject property with the other two (2) trees are just off-site on the adjacent Chelsea Walk property. The City Arborist conducted a site visit and recommended that tree #683 (23" Pecan) be saved. The applicant revised the site

plan to save the 23" Pecan. Underground stormwater management facilities are depicted in the commercial parking lot and at the end of the alley.

RENDERINGS

The applicant submitted renderings depicting a two (2) story office over retail building and three (3) story townhomes in the Greek Revival style. Townhomes are depicted to have an exterior of brick, stone and siding and the commercial building has a varied exterior consisting of brick, stone and stucco. The applicant's architect provided the following description of the proposed buildings:

> *"This unique property configuration, straddled between the busy South Main Street and the Old Milton PKWY, and two blocks away from downtown Alpharetta. lends itself to the historically common arrangement of townhouses (or row houses) in the **Greek Revival** style. We propose a row of consistent forms in the tradition of historic places such as New York City, Washington DC, Baltimore MD, and others. With only a total of 9 units (gathered into 2 separate 4 and 5 unit buildings) we propose to incorporate only subtle unit variances to give some individuality in the homes while maintaining the elegant whole of the streetscape composition."*
>
> *"On the front of the property we will build a two story Retail and office for business use. We propose to alter its current unsatisfactory conditions to approach compatibility with the new townhouses – utilizing similar materials, colors, and other detailing in the **Greek Revival** style."*

The City's Downtown Consultant reviewed the applicant's renderings and provided comments. The applicant's architect has addressed all comments from the Downtown Consultant and the renderings comply with the Downtown Code building design regulations.

TRAFFIC

Staff estimates that the eight (8) townhome units and 8,000 square foot office of retail building would generate approximately 173 AM Peak Hour trips and 94 PM Peak Hour trips.

USE	Intensity	Daily Trips	AM Peak Hour Trips	PM Peak Hour Trips
Townhouse	8 units	66	3	4
Pharmacy	2,500 SF	273	10	26
Coffee Shop	1,500 SF	No-Data	152	54
Office	4,000 SF	65	8	10
TOTALS			**173**	**94**

SCHOOLS

Residential development is known to increase school enrollment. Fulton County calculated the potential maximum number of children who may live on the property by using the Fulton County Schools standard calculation to identify the number of children that a residential development will generate. The following chart outlines these figures:

FULTON COUNTY SCHOOLS – 10 Townhomes

School	Single Family Average #
Manning Oaks Elementary School	0 to 2 students
Northwestern Middle School	0 to 1 students
Milton High School	0 to 2 students
TOTAL	0 to 5 students

Based on the total figure for all three school levels, it can be assumed that the proposed development could house approximately 0 – 5 school age children. Numbers provided by Fulton County Schools show that Northwestern Middle School and Milton High School are over capacity.

STANDARDS FOR ZONING CHANGES

The Planning Commission and the City Council shall consider the following standards in considering a rezoning application, giving due weight or priority to those factors particularly appropriate to the circumstances of each application:

a. Whether the zoning proposal will permit a use that is suitable in view of the zoning use and development of adjacent and nearby property.

Response:The proposed zoning is consistent with the future land use designation of the property and surrounding area, which is 'Mixed Use Live Work'. The zoning proposal is similar to the adjacent Chelsea Walk development, which was approved with a non-residential building at the front and townhomes behind.

b. Whether the zoning proposal will adversely affect the existing use or usability of adjacent or nearby property.

Response:The zoning proposal would not adversely affect the existing use or usability of adjacent or nearby properties. The zoning proposal is similar to the adjacent Chelsea Walk development, which was approved with a non-residential building at the front and townhomes behind.

c. Whether the zoning proposal will adversely affect the natural environment.

Response:The proposal would not adversely affect the natural environment. Four (4) specimen trees are depicted to be saved on the site plan.

d. Whether there are substantial reasons why the property cannot or should not be used as currently zoned.

Response:The property is currently zoned R-12, which has development regulations (setbacks) that are inconsistent with the Downtown vision to become a mixed-use, walkable environment.

e. Whether the zoning proposal will result in a use that will or could cause an excessive or burdensome use of public facilities or services, including but not limited to existing streets and transportation facilities, schools, water or sewer utilities, and police or fire protection.

Response:The zoning proposal would not cause an excessive burden on public facilities and services.

f. Whether the zoning proposal is supported by new or changing conditions not anticipated or reflected in the existing zoning on the property.

Response:The subject property is located in the Downtown Overlay, which includes opportunities for properties to develop under the Downtown zoning districts.

g. Whether the zoning proposal reflects a reasonable balance between the promotion of the public health, safety, morality or general welfare against the right to unrestricted use of property.

Response:The zoning proposal reflects a reasonable balance. The zoning proposal is similar to the adjacent Chelsea Walk development, which was approved with a non-residential building at the front and townhomes behind.

h. Whether there are substantial reasons why the property cannot be used in accordance with existing zoning.

Response:The property is currently zoned R-12, which has development regulations (setbacks) that are inconsistent with the Downtown vision to become a mixed-use, walkable environment.

i. The extent to which the zoning proposal is consistent with the Comprehensive Plan.

Response:The future land use designation of the property is 'Mixed Use Live Work', which allows the proposed DT-LW zoning district.

CONDITIONAL USE REVIEW CRITERIA

City staff has reviewed the applicant's request and compared it to the conditional use standards established in UDC Sec. 4.2.3 (B) which are as follows:

A conditional use otherwise permitted within a zoning district shall be considered to be compatible with other uses permitted in the district, provided that due consideration is given to the following objective criteria at a public hearing and satisfactory provisions or arrangements are made for:

1. Access into and out of the property with regard to traffic and pedestrian safety, volume of traffic flow, and emergency vehicles, as well as the type of street providing access;

Response:Site access is proposed with a curb cut on Old Milton Parkway at the traffic signal at Kingry Lane.

2. The extent to which refuse areas, loading and service areas, off street parking, and buffers and screening are provided on the property;

Response:The above-referenced site improvements can be accommodated on the applicant's site plan.

3. Ensuring that the conditional use will not be injurious to the use and enjoyment of the environment or of other property in the immediate vicinity or diminish and impair property values within the surrounding neighborhood;

Response:The proposed uses would be compatible with surrounding uses and other locations for these businesses, which are similarly situated in commercial areas.

4. Ensuring that the conditional use will not increase local or state expenditures in relation to the cost of servicing or maintaining neighboring properties;

Response:Not applicable.

5. Ensuring that the conditional use will not impede the normal and orderly development of surrounding property for uses predominant in the area;

Response:The proposed uses would be compatible with surrounding uses and other locations for these businesses, which are similarly situated in commercial areas.

6. Ensuring that the location and character of the conditional use is consistent with a desirable pattern of development for the city, in general; and

Response:The proposed uses would be compatible with surrounding uses and other locations for these businesses, which are similarly situated in commercial areas.

7. Ensuring that the conditional use is appropriately separated from similar uses and conflicting uses, such as residences, government buildings, parks, churches or schools.

Response:There are other coffee shops and pharmacies operating in the City. The nearest 'Drug Store, Pharmacy' is located at Publix (11800 Haynes Bridge Road), which is approximately 0.28 miles to the northwest of the applicant's site. The nearest Coffee Shop is located at Starbucks (11740 Haynes Bridge Road), which is approximately 0.27 miles to the southwest of the applicant's site. There are no conflicting uses in the immediate vicinity of the applicant's property.

VARIANCE REVIEW CRITERIA

The City of Alpharetta Unified Development Code Article IV, Section 4.5.3 outlines the criteria set forth for granting a variance. The ordinance specifically states..."a variance may be granted in whole or in part, or with conditions, in such individual case of unnecessary hardship upon a finding that":

(1) There are extraordinary and exceptional conditions pertaining to the particular piece of property in question because of its size, shape or topography; or

Response:The property does not have extraordinary or exceptional conditions due its size, shape or topography. The applicant provided a site plan depicting rear loaded townhomes; however, the current site plan is preferred as it saves a 23" Pecan tree in the middle of the property.

(2) The application of the Ordinance to this particular piece of property would create an unnecessary hardship; or

Response:Application of the ordinance would create an unnecessary hardship. The applicant's current site plan, which depicts front loaded townhomes, is preferred as it saves a 23" Pecan tree in the middle of the property.

(3) There are conditions that are peculiar to the property which adversely affect its reasonable use or usability as currently zoned; or

Response: The applicant provided a site plan depicting rear loaded townhomes; however, the current site plan is preferred as it saves a 23" Pecan tree in the middle of the property.

(4) Relief, if granted, would not cause substantial detriment to the public good or impair the purpose and intent of the City of Alpharetta ordinances.

Response:Relief, if granted, would not cause a substantial detriment to the public good. The applicant's current site plan is preferred as it saves a 23" Pecan tree in the middle of the property.

CONCURRENCES

Staff has reviewed the applicant's proposal against the established review criteria for a rezoning, conditional use and variance. The zoning proposal is consistent with the future land use designation of the property and surrounding area, which is 'Mixed Use Live Work'. The zoning proposal is similar to the adjacent Chelsea Walk development, which was approved with a non-residential building at the front and townhomes behind. In addition, the proposed conditional uses would be compatible with surrounding uses and other locations for these businesses, which are similarly situated along commercial corridors.

There are not exceptional conditions pertaining to the property due to its size, shape, or topography. However, the applicant's current site plan saves a 23" Pecan tree in the middle of the property, which is the preferred site layout.

CITIZEN PARTICIPATION PLAN

The report submitted by the applicant states that property owners within 500' were contacted regarding the applicant's intent. The report states that no comments were received.

Staff received correspondence from area residents with concerns over proximity of townhomes to Chelsea Walk along the rear property line, height of buildings in relation to Chelsea Walk, overall site density, lack of landscape screening, maintenance of underground detention, and outdoor space on rear townhome building.

COMMUNITY ZONING INFORMATION MEETING

CZIM was held on October 12, 2022. There were public comments with concerns over the close proximity of townhomes to Chelsea Walk, lack of outdoor space for rear townhome building, height of townhomes, and underground detention maintenance with so few townhomes.

IV. ATTACHMENTS:

- Aerial Map
- Zoning Map
- Future Land Use Map
- Location Map
- Exhibit A - Site Plan
- Exhibit B – Renderings
- CZIM Sign In Sheet
- Citizen Participation Form B
- Public Comment
- Application

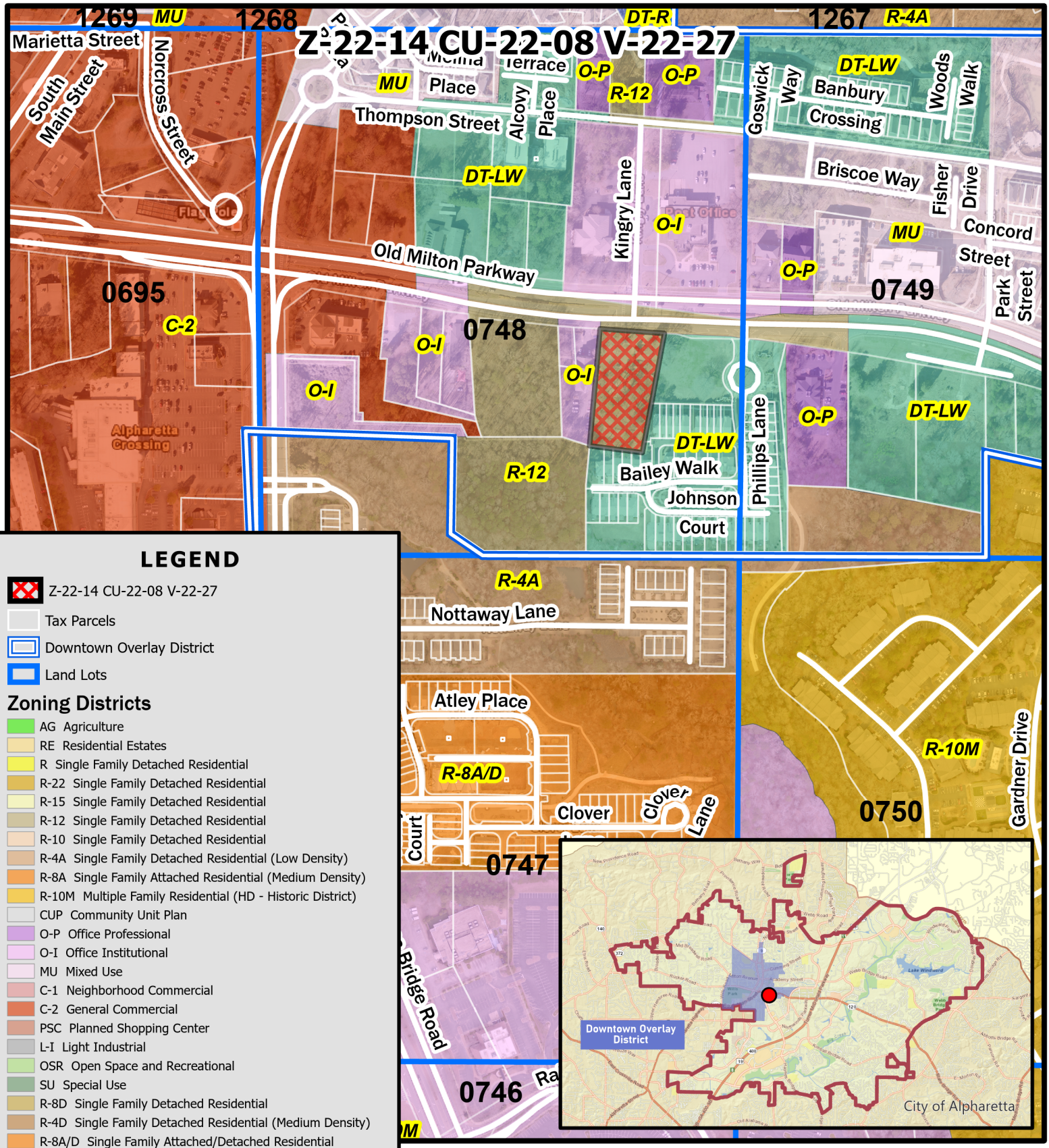


Aerial Map
North Fulton Pharmacy
2385 Old Milton Parkway

Z-22-14 CU-22-08 V-22-27
D/LL: 1/2/0748
PC: 11/03/22
CC: 11/28/22

THE CITY OF ALPHARETTA GEORGIA

Location Map Provided by:
Community Development - GIS



LEGEND

- Z-22-14 CU-22-08 V-22-27
- Tax Parcels
- Downtown Overlay District
- Land Lots

Zoning Districts

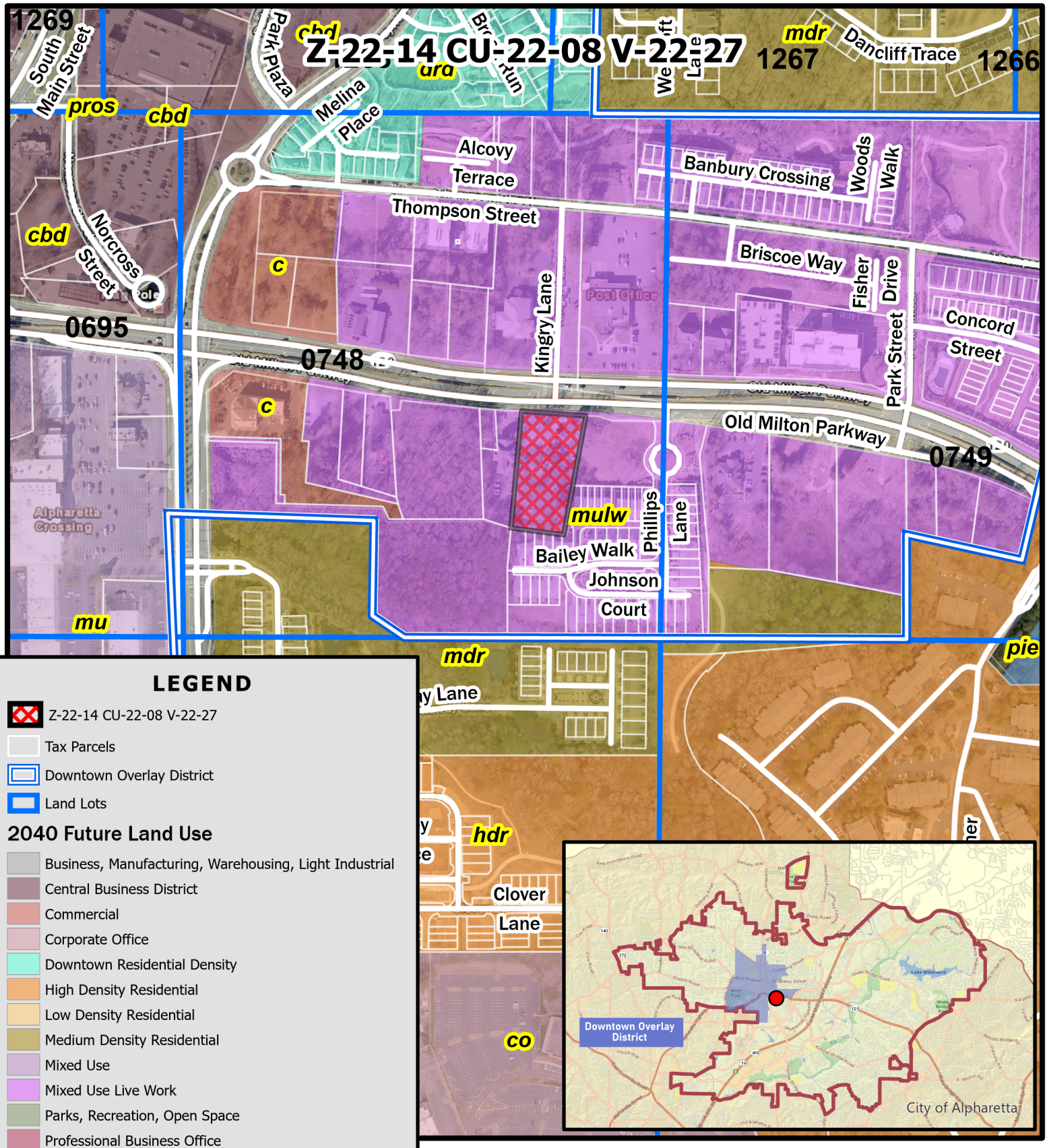
- AG Agriculture
- RE Residential Estates
- R Single Family Detached Residential
- R-22 Single Family Detached Residential
- R-15 Single Family Detached Residential
- R-12 Single Family Detached Residential
- R-10 Single Family Detached Residential
- R-4A Single Family Detached Residential (Low Density)
- R-8A Single Family Attached Residential (Medium Density)
- R-10M Multiple Family Residential (HD - Historic District)
- CUP Community Unit Plan
- O-P Office Professional
- O-I Office Institutional
- MU Mixed Use
- C-1 Neighborhood Commercial
- C-2 General Commercial
- PSC Planned Shopping Center
- L-I Light Industrial
- OSR Open Space and Recreational
- SU Special Use
- R-8D Single Family Detached Residential
- R-4D Single Family Detached Residential (Medium Density)
- R-8A/D Single Family Attached/Detached Residential
- DT-C Downtown Core
- DT-MU Downtown Mixed-Use
- DT-LW Downtown Live-Work
- DT-R Downtown Residential

Zoning Map
North Fulton Pharmacy
2385 Old Milton Parkway

Z-22-14 CU-22-08 V-22-27
D/LL: 1/2/0748
PC: 11/03/22
CC: 11/28/22

THE CITY OF ALPHARETTA GEORGIA

Location Map Provided by:
Community Development - GIS



LEGEND

- Z-22-14 CU-22-08 V-22-27
- Tax Parcels
- Downtown Overlay District
- Land Lots

2040 Future Land Use

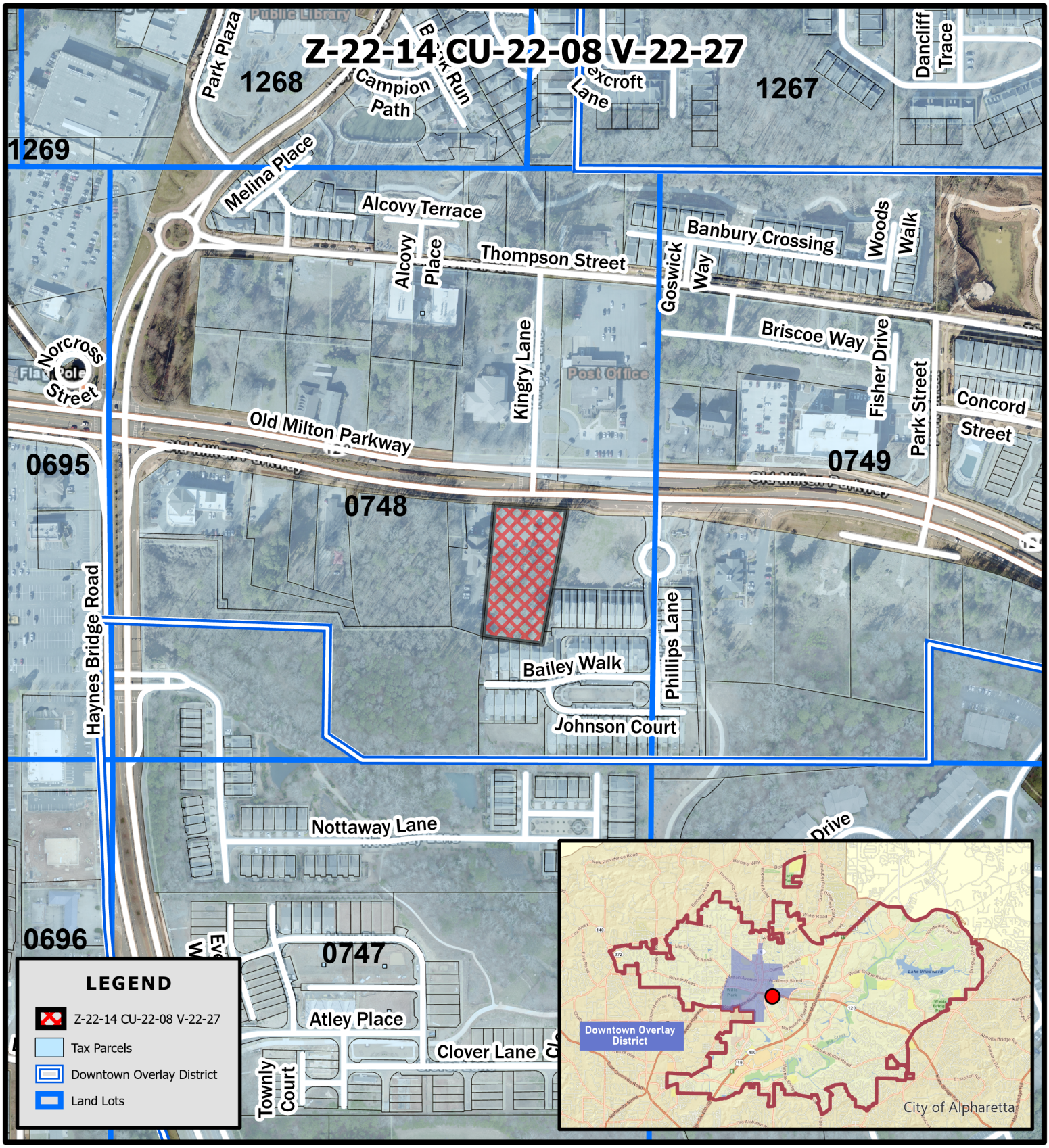
- Business, Manufacturing, Warehousing, Light Industrial
- Central Business District
- Commercial
- Corporate Office
- Downtown Residential Density
- High Density Residential
- Low Density Residential
- Medium Density Residential
- Mixed Use
- Mixed Use Live Work
- Parks, Recreation, Open Space
- Professional Business Office
- Public, Institutional, Education
- Residential Estate
- Very Low Density Residential

Z-22-14 CU-22-08 V-22-27
D/LL: 1/2/0748
PC: 11/03/22
CC: 11/28/22

Future Land Use Map
North Fulton Pharmacy
2385 Old Milton Parkway

THE CITY OF ALPHARETTA GEORGIA

Location Map Provided by:
Community Development - GIS



THE CITY OF ALPHARETTA GEORGIA

Location Map
North Fulton Pharmacy
2385 Old Milton Parkway

Z-22-14 CU-22-08 V-22-27
D/LL: 1/2/0748
PC: 11/03/22
CC: 11/28/22

Location Map Provided by:
Community Development - GIS

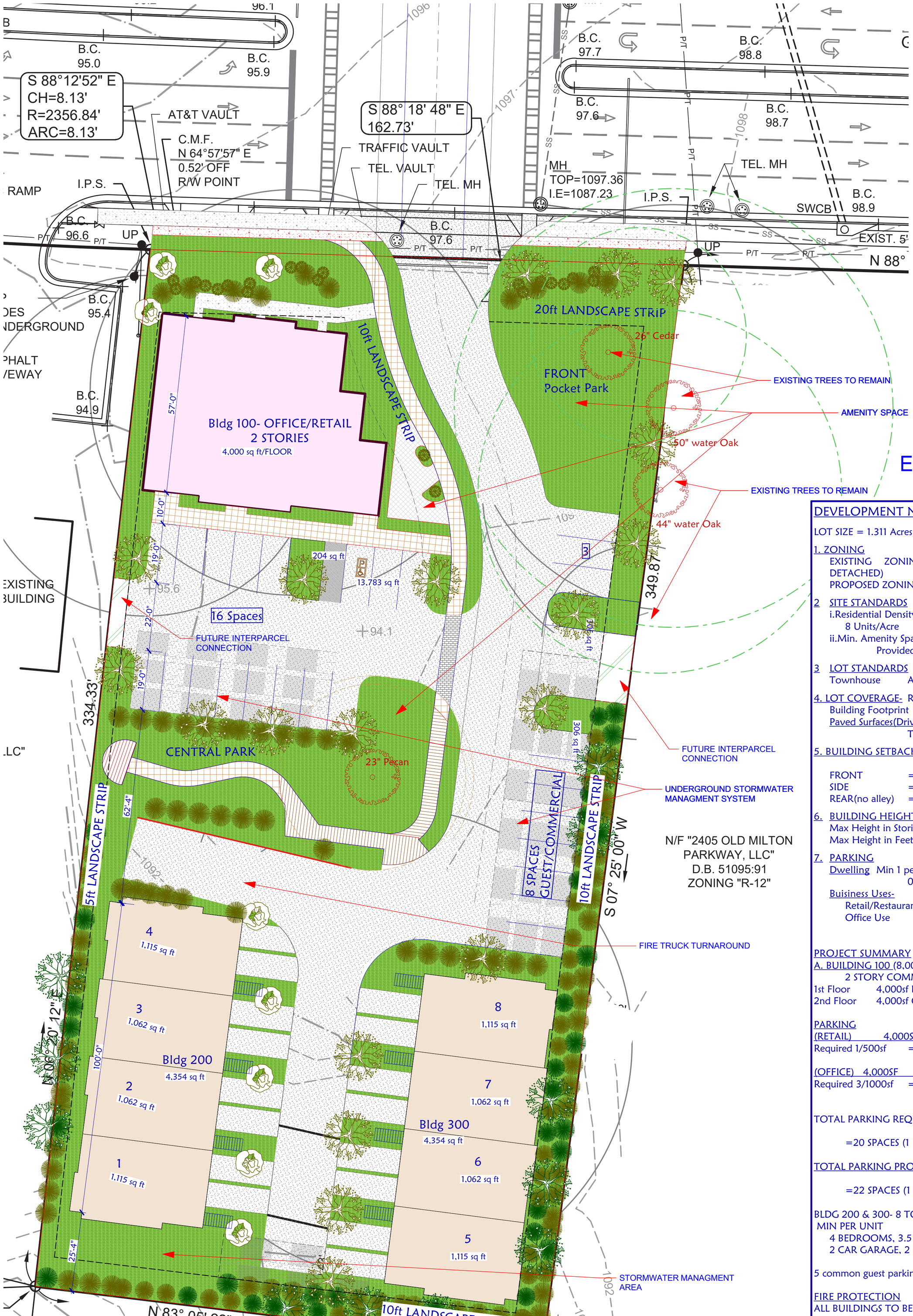


Exhibit A - Site Plan

DEVELOPMENT NOTES

LOT SIZE = 1.311 Acres (57107sf)

1. ZONING
   EXISTING ZONING = R-12(DWELLING FOR SALE, DETACHED)
   PROPOSED ZONING= DT-LW(DOWNTOWN LIVE-WORK)

2 SITE STANDARDS
   i.Residential Density (no Conditional Use Permit)
   8 Units/Acre
   ii.Min. Amenity Space Req.=10% of Site(5,711sf min.)
   Provided =5,862sf (10.3%)

3 LOT STANDARDS
   Townhouse Area=900sf min., Width= 20ft min.

4. LOT COVERAGE- Required = 70%
   Building Footprint =15,520sf
   Paved Surfaces(Drives, parking, walkways) =22,801sf
   TOTAL =38,321sf = 67.10%

5. BUILDING SETBACKS (PER PROPOSED ZONING)

FRONT	=	10' min.
SIDE	=	0ft min, 10 between structures
REAR(no alley)	=	3ft

6. BUILDING HEIGHT

Max Height in Stories	=	3 Stories
Max Height in Feet	=	40ft

7. PARKING
   Dwelling Min 1 per Bedroom(upto 2bedrms), 0.5 Visitor space Per Unit
   Buisiness Uses-
   Retail/Restaurants = 1per 500sf
   Office Use = 3 per 1000sf

PROJECT SUMMARY
A. BUILDING 100 (8,000SF TOTAL)
2 STORY COMMERCIAL
1st Floor 4,000sf Retail/Restaurant
2nd Floor 4,000sf Office

PARKING
(RETAIL) 4,000SF .
Required 1/500sf = 8 Spaces

(OFFICE) 4,000SF .
Required 3/1000sf = 12 Spaces

TOTAL PARKING REQUIRED (FOR COMMERCIAL USE.)

=20 SPACES (1 HC PARKING), 1 Bicycle parking Req.

TOTAL PARKING PROVIDED

=22 SPACES (1 HC PARKING)

BLDG 200 & 300- 8 TOWNHOMES (NO GATE)
MIN PER UNIT
4 BEDROOMS, 3.5 BATHROOMS
2 CAR GARAGE, 2 OUTDOOR PARKING

5 common guest parking provided

FIRE PROTECTION
ALL BUILDINGS TO BE PROTECTED BY AN APPROVED FIRE SPRINKLER SYSTEM

Architectural Site Plan SCALE: 1" = 20'

SCALE:1" = 20'

C-1

2385 Old Milton- Live Work Center-

2385 Old Milton- ALPHARETTA GA

Architect
KSi design group
678-438-4759, KSidesign@outlook.com

©COPYRIGHT- 2022 - This drawing as an instrument of service shall remain the property of KSi design group and shall not be reproduced, published or copied in whole or in part or used in any way without written permission of KSi design group

Exhibit B - Renderings



North Elevation

SCALE: 1/8" = 1'-0"



Bldg 100 Old Milton AV View

SUMMARY

AREAS/USE

1ST FLOOR- 4,000SF RETAIL
2ND FLOOR 4,000SF OFFICE

BUILDING HEIGHT

ALLOWED	PROPOSED
40FT	32FT
3 STORIES	2 STORIES

EXTERIOR VENEER

ROOF- SIGLE PLY MEMBRANE, >2FT HIGH PARAPETS
WALLS BRICK VENEER, STUCCO, STONE

FIRE PROTECTION

Building to be fully Sprinklered per NFPA13

SD1

2385 Old Milton- Live Work Center-

2385 Old Milton- ALPHARETTA GA

Architect
KSi design group
678-438-4759, KSidesign@outlook.com

©COPYRIGHT- 2022 - This drawing as an instrument of service shall remain the property of KSi design group and shall not be reproduced, published or copied in whole or in part or used in any way without written permission of KSi design group



RIGHT SIDE Elevation(street view)

SCALE: 1/8" = 1'-0"



FRONT Elevation

SCALE: 1/8" = 1'-0"

BUILDING HEIGHT

ALLOWED	PROPOSED
40FT	39.5FT
3 STORIES	3 STORIES w/ ATTIC

EXTERIOR VENEER

ROOF- ARCHITECTURAL ASPHALT SHINGLES
WALLS BRICK VENEER, CEMENT SIDING, STONE

FIRE PROTECTION

Building to be fully Sprinklered

Elevations- BLDG 200

SD200

2385 Old Milton- Live Work Center-

2385 Old Milton- ALPHARETTA GA

Architect
KSi design group
678-438-4759, KSidesign@outlook.com

©COPYRIGHT- 2022 - This drawing as an instrument of service shall remain the property of KSi design group and shall not be reproduced, published or copied in whole or in part or used in any way without written permission of KSi design group

Community Zoning Information Meeting (CZIM) October 12, 2022

Please sign-in and leave your comments and/or concerns.

Z-22-14 / CU-22-08 / V-22-27 / North Fulton Pharmacy 2385 Old Milton Pkwy

NAME	ADDRESS	COMMENTS
Kim Thompson	344 Bailey Walk	Proximity of back units to Chelsea Walk
ED BOTTS	347 Bailey Walk	NEED BIGGER SETBACK TO CHELSEA -
		REAR TOWNHOMES NO OUTDOOR SPACE

Community Zoning Information Meeting (CZIM) October 12, 2022

Please sign-in and leave your comments and/or concerns.

Z-22-14 / CU-22-08 / V-22-27 / North Fulton Pharmacy 2385 Old Milton Pkwy

NAME	ADDRESS	COMMENTS
Cheryl Botts	~~347 Chelsea Walk~~ 347 Bailey Walk	1. Proximity of houses along rear property line is very tight with little space between Chelsea Walk Houses along Bailey Walk. Height of houses will tower over Chelsea Walk. 2. Underground detention maintenance is a concern w/ so few houses, is a concern with our property being directly down stream.

CITIZEN PARTICIPATION FORM - PART B

This form must be completed and submitted to the City of Alpharetta Community Development Department a minimum of twenty (20) working days prior to the scheduled Public Hearing. Failure to do so will result in cancellation of the scheduled hearing.

Public Hearing or Project Name: Eskandar Dynasty LLC

Contact Name: Mike Eskandar Telephone: 404-259-8921

Please describe comments and concerns provided by any and all individuals contacted as part of the the Citizen Participation Program. If any individuals provided written correspondence, please attach copies of same to this report.

No comments by any Individuals Contacted

Method by which these individuals were contacted. Please mark all that apply. *Please provide samples of any and all written communications used to provide notification.*

- [x] Letter
- [ ] Personal Visits
- [ ] Telephone
- [ ] Group Meeting
- [ ] Email
- [x] Other *(Please Specify)* Text

Attach a list of people who have been notified of this application and provided information describing the subject proposal. Please note that ALL adjoining property owners MUST be notified.

I, the undersigned, as an authorized representative of the applicant and Public Hearing item identified above, do solemnly swear and attest, subject to criminal penalties for false swearing, that the information provided in this Citizen Participation Form - Part B and in any and all documents provided in support of this report are true and accurate. I further understand that any false statements provided by representatives of the applicant as part of this report may result in penalties up to and including denial of the subject application.

Signature of Authorized Agent: _____ Date: 6/05/22

Print Form

From: Woodman, Michael
To: Jackson, Tracy
Subject: FW: 2385 Old Milton Parkway
Date: Monday, October 17, 2022 10:23:21 AM

FYI - Public comment email for North Fulton Pharmacy.

-----Original Message-----
From: Cheryl Botts <[redacted]
Sent: Wednesday, October 12, 2022 9:36 PM
To: Woodman, Michael <mwoodman@alpharetta.ga.us>
Cc: Ed [redacted]
Subject: 2385 Old Milton Parkway

[CAUTION: This email originated from outside the City. Do not click links or open attachments unless you recognize the sender and know the content is safe.]

_____
_____

Hi Mike: It was a pleasure meeting you tonight. I wanted to add a couple of concerns to the comments we submitted tonight regarding the above referenced property, below is a full list:

1. Proximity of buildings to Chelsea Walk buildings along rear property line 2. Height of buildings in relation to Buildings along Bailey Walk 3. Overall site density 4. Lack of landscape screening between sites 5. Underground detention and maintenance thereof - as we are downhill/downstream from this site 6. If patios or balconies are added to the back of the buildings along the rear property line this will further reduce the space between our homes and the new ones

Please consider the above comments when reviewing the plans for this site.

Thank you,
Ed and Cheryl Botts
[redacted]
Alpharetta, GA

Sent from my iPad

CITY OF ALPHARETTA

PUBLIC HEARING APPLICATION

FOR OFFICE USE ONLY

Case #: Z-22-14 / CU-22-08 / V-22-27

PH #:

☐ Property Taxes & Code Violations Verified

☐ Fee Paid Initial: _____

COMMUNITY DEVELOPMENT DEPARTMENT • 2 PARK PLAZA • ALPHARETTA, GA 30009

1. This page should be the first page in each of your completed application packets.
2. It is preferred that all responses be typed. Illegible applications will not be accepted.
3. Prior to signing and submitting your application, please check all information supplied on the following pages to ensure that all responses are complete and accurate. Incomplete applications will not be accepted.
4. Payment of all applicable fees must be made at the time of application. Payment may be made via cash, credit card (American Express, Master Card or Visa), or check made payable to "City of Alpharetta." Please note that a 3% convenience fee will be added to all credit card transactions.
5. Applications will be accepted on the designated submittal dates between the hours of 8:30 AM and 3:30 PM.
6. If you have any questions regarding this form, please contact the Community Development Department by calling 678-297-6070.

Contact Information:

Contact Name: Moslem Eskandari Telephone: 404-259-8921

Address: 1006 Cherbury Ln Suite:

City Alpharetta State: GA Zip: 30022 Fax:

Mobile Tel: 404-259-8921 Email: northfultonpharmacy@gmail.com

Subject Property Information:

Address: 2385 Old Milton Pkwy, Alpharetta, GA 30004 Current Zoning: R-12

District: Section: Land Lot: 0748 Parcel ID: 12 270307480636

Proposed Zoning: DT-LW Current Use: A single family house.

This Application For *(Check All That Apply)*:

- ☒ Conditional Use
- ☒ Rezoning
- ☒ Variance
- ☐ Exception
- ☐ Master Plan Amendment
- ☐ Master Plan Review
- ☐ Public Hearing
- ☐ Other *(Specify)*:
- ☐ Comprehensive Plan Amendment

Applicant Request And Intent

What is the proposed use(s) of the property?

The property will include a building for office/retail use and also 10 townhomes will be built on the property.

Applicant's Request (Please itemize the proposal):

1) Rezoning from R-12 to DT-LW;
2) The proposed site plan;
3) Requested variances -
    i. Retail Use (5,000sf for a Pharmacy and Coffee Shop)
    ii. Gated Townhomes
    iii Front loaded Townhomes at the back (behind Front Loaded Townhomes)
    iv. Provide landscaping strip along the Parking instead of a parking island

Applicant's Intent *(Please describe what the proposal would facilitate)*:

The proposed development would provide 10 townhomes within the city's Downtown overlay. This would be a great opportunity for those who would like to live within the Downtown area, do their shopping near where they live, and possibly utilize office / retail stores next to their townhomes in walking distance. The proposed development would be a great addition to Alpharetta Downtown where people love to live-work-play.

PROPERTY OWNER AUTHORIZATION

Property Owner Information:

Contact Name: Moslem Eskandari Telephone: 404-259-8921

Address: 1006 Cherbury Ln, Suite:

City Alpharetta State: GA Zip: 30022 -

Authorization:

I do solemnly swear and attest, subject to criminal penalties for false swearing, that I am the legal owner, as reflected in the records of Fulton County, Georgia, of the property identified below, which is the subject of the attached Application for Public Hearing before the City of Alpharetta, Georgia.

As the legal owner of record of the subject property, I hereby authorize the individual named below to act as the applicant in the pursuit of the Application for Public Hearing in request of the items indicated below.

- ☐ Annexation
- ☐ Special Use
- ☒ Rezoning
- ☒ Conditional Use
- ☒ Variance
- ☐ Master Plan
- ☐ Land Use Application
- ☐ Other

Property Owner's Authorized Applicant (if applicable):

Name of Authorized Applicant: Moslem Eskandari Telephone: 404-259-8921

Address: Suite:

City Alpharetta State: GA Zip: 30022 -

So Sworn and Attested:

Owner Signature: Date: 8/19/22

Notary:

Notary Signature: Date: 8/17/2022

Kathleen Frances Driscoll
NOTARY PUBLIC
Fulton County, GEORGIA
My Commission Expires 06/18/2023

DISCLOSURE FORM

The Official Code of Georgia Annotated requires disclosure of campaign contributions to government officials by an applicant or opponent of a rezoning or public hearing petition (O.C.G.A. 36-67 A-1).

Applicants must file this form with the City of Alpharetta Community Development Department within ten (10) days after filing for rezoning or public hearing. Opponents to a rezoning or public hearing petition must file this form five (5) days prior to the Planning Commission meeting at which the subject rezoning or public hearing petition is scheduled to be heard.

Name of Applicant or Opponent: Moslem Eskandari

Subject Public Hearing Case: Eskandari Dynasty

Campaign Contribution Information:

Please provide the requested information for each contribution with a dollar amount or value of $250 or more made within the past two (2) years to an Alpharetta Official by the individual identified above. Please use a separate form for each Alpharetta Official to whom such a contribution as been made.

If the individual identified above has made no such contributions to an Alpharetta Official within the past two (2) years, please indicate this by entering "N/A" on the appropriate lines below.

Name of Official: N/A Position: N/A

Description of Contribution: N/A Value: N/A

Description of Contribution: N/A Value: N/A

Description of Contribution: N/A Value: N/A

Description of Contribution: N/A Value: N/A

Description of Contribution: N/A Value: N/A

Campaign Contribution Information:

I do solemnly swear and attest, subject to criminal penalties for false swearing, that the information provided in this Disclosure Form is true and accurate and that I have disclosed herein any and all campaign contributions made to an Official of the City of Alpharetta, Georgia in accordance with O.C.G.A. 36-67 A-3.

Signature: MG Date: 8/19/22

ALPHARETTA PLANNING COMMISSION REVIEW CRITERIA

How will this proposal be compatible with surrounding properties?

Neighboring properties consist of townhomes, small shopping areas, and office buildings. The proposed development is similar in nature with other developments in the area.

How will this proposal affect the use and value of the surrounding properties?

Impacts of the proposed development would be positive on the use and value of the surrounding properties.

Can the property be developed for a reasonable economic use as currently zoned? Please explain why or why not.

No. The current zoning would not allow for the purpose of the proposed development (retail/office and townhomes). The proposed development is seeking to provide an opportunity for those who live in townhomes to use office and retail shops right next to their homes in walking distance. This would be a very convenient environment for those who live in townhomes.

What would be the increase to population and traffic if the proposal were approved?

With 10 townhomes and few retail shops and office spaces, there would not be detrimental impacts on traffic. Currently there is a traffic light at the intersection of Old Milton Pkwy and Kingry Lane. The traffic light currently serves traffic on Old Milton Pkwy and Kingry Lane. With the proposed development, the fourth leg of the intersection will need to be signalized as well for traffic coming out of the proposed development. 4-leg signalized intersections are normal and they are installed all around the city. Even after signalizing the fourth leg, traffic flow on Old Milton Pkwy would not be impacted. It is because the light can be programmed to serve side streets (Kingly Lane and the driveway at 2385 Old Milton Pkwy) simultaneously with proper signal phasing.

What would be the impact to schools and utilities if the proposal were approved?

There is not any schools near the proposed development. Hereby, impacts on schools would be none. There are aerial power lines at the edge of the proposed development along Old Milton Pkwy, and also water and sewer lines may exist on Old Milton Pkwy; however, the proposed development would not interfere with any of these utilities.

How is the proposal consistent with the Alpharetta Comprehensive Plan; particularly the Future Land Use Map?

The future land use designation calls for Downtown Live Work (DT-LW) at this parcel. The proposed development is consistent with the the Alpharetta Comprehensive Plan.

Are there existing or changing conditions which affect the development of the property and support the proposed request?

I am not aware of any conditions at this time.

On a separate sheet or sheets, please provide any information or evidence that supports your request and the statements that you have provided in this application.

BOARD OF ZONING APPEALS REVIEW CRITERIA

Please respond to the following ONLY if you are applying for a zoning variance.

Are there extraordinary and exceptional conditions pertaining to the subject property because of its size, shape, or topography? Please describe them.

No.

Would the application of the Zoning Code standards as they relate to the subject property create an unnecessary hardship? Please explain.

Yes; application of the Zoning Code standards to the subject property would not allow the proposed development.

Are there conditions that are peculiar to the subject property? Please describe them in detail.

Yes- This lot is located within the Alpharetta Downtown Overlay and the Rezoning and proposed development aligns with the City's comprehensive Plan

Would relief, if granted, cause substantial detriment to the public good or impair the purpose and intent of the Zoning Code? Please defend your response.

No. Granting the requested variances will not cause detrimental impacts to the public good. The
1.Proposed development is consistent with the Alpharetta Comprehensive Plan.
2. The Project complements adjacent townhomes and commercial Uses
3. Will have provision for future inter-parcel connectivity

On a separate sheet or sheets, please provide any information or evidence that supports your request and the statements that you have provided in this application.

Sign Variance Review Criteria

Are there exceptional conditions pertaining to the property where the sign is to be located as a result of the property size, shape, or topography which are not applicable to other lands or structures in the area? If "yes," please explain.

- [ ] Yes
- [x] No

Would the applicant be deprived of rights that are commonly enjoyed by others similarly situated? If "yes," please explain.

- [ ] Yes
- [x] No

Would granting the variance confer on the applicant any significant privileges which are denied to others similarly situated? If "yes," please explain.

- [ ] Yes
- [x] No

Are the exceptional circumstances the result of actions of the applicant or the applicant's representatives? If "yes," please explain.

- [ ] Yes
- [x] No

Is the requested variance the minimum necessary to allow the applicant to enjoy rights commonly enjoyed by others similarly situated? If "no," please explain.

- [x] Yes
- [ ] No

Would granting of the variance violate more than one standard of the Unified Development Code? If "yes," please explain.

- [ ] Yes
- [x] No

Would granting the variance result in allowing a sign that interferes with road or highway visibility or obstruct or otherwise interfere with the safe and orderly movement of traffic? On a separate sheet or sheets, please defend your response.

- [ ] Yes
- [x] No

CITIZEN PARTICIPATION FORM - PART A

This form must be completed and submitted with the applicant's completed Public Hearing Application. Applications submitted to the City of Alpharetta without a completed Citizen Participation Form - Part A will not be accepted.

Public Hearing or Project Name: Eskandari Dynasty

Contact Name: Moslem Eskandari Telephone: 404-259-8921

The following people will be notified of this application and provided information describing the subject proposal. Please note that ALL adjoining property owners MUST be notified. Use additional pages as needed.

SEE ATTACHED MAILING LIST

Method by which these individuals will be contacted. Please mark all that apply. *If you select "Other," please provide a description of the method of contact that will be used.*

- ☐ Letter
- ☐ Telephone
- ☐ Email
- ☐ Personal Visits
- ☐ Group Meeting
- ☐ Other *(Please Specify)*

Please describe the method(s) by which these individuals will have the opportunity to respond or contact the applicant with questions or concerns about the proposal.

Email: northfultonpharmacy@gmail.com
Phone: 404-259-8921
Mail: 1006 Cherbury Ln, Alpharetta, GA 30022

K & S OLD MILTON LLC
3396 CAVERTON LANE
ALPHARETTA GA 30022

WS NOTTING HILL ALPHARETTA LLC
5100 PEACHTREE PKWY STE 200
NORCROSS GA 30092

SINGH IS KING INVESTMENTS LLC
8220 ROYAL SAINT GEORGES WAY
DULUTH GA 30097

RG MEDICAL PROPERTIES III LLC
1835 SAVOY DR STE 101
ATLANTA GA 30327

WELLMAN GLENN A & ANNE M
500 NOTTAWAY LN
ALPHARETTA GA 30009

BRADY MICHAEL C & LISA B
405 JOHNSON CT
ALPHARETTA GA 30009

RG MEDICAL PROPERTIES III LLC
1835 SAVOY DR STE 101
ATLANTA GA 30327

VANDERBILT KRISTIN
504 NOTTAWAY LANE
ALPHARETTA GA 30009

THADANI SHARMILA & SANJEEV
5414 HEYWARD SQUARE PL
MARIETTA GA 30068-1869

SEISAN MFA PROPERTIES LLC
2425 OLD MILTON PKWY
ALPHARETTA GA 30009

JMM REVOCABLE TRUST THE
506 NOTTAWAY LANE
ALPHARETTA GA 30009

LEE SELENE SEUNGEUN
401 JOHNSON CT
ALPHARETTA GA 30009

LAKE BLAIR & LAKE BARBARA
508 NOTTAWAY LANE
ALPHARETTA GA 30009

SPACEMAGNET LLC
4575 WEBB BRIDGE RD #4002
ALPHARETTA GA 30005

CHAN TIN & ENG DANNY
3975 OLD MILTON PKWY # S 1
ALPHARETTA GA 30005

ANDREW WEIDENER FAMILY TRUST
600 NOTTAWAY LANE
ALPHARETTA GA 30009

KRINSKY ALAN
342 BAILEY WALK
ALPHARETTA GA 30009

ROBERT E STOFFEL JR REVOC TRUST &
THERESA S STOFFE
345 HARBOR VILLAGE PT N
PALM COAST FL 32137

MURPHY LISA M
423 JOHNSON CT
ALPHARETTA GA 30004

THOMPSON KENNETH & KIMBERLY
344 BAILEY WAY
ALPHARETTA GA 30009

WARD ALICE & WARD JAMES
708 NOTTAWAY LANE
ALPHARETTA GA 30009

LINUS ANTHONY
421 JOHNSON CT
ALPHARETTA GA 30009

MC CURDY L TATUM IV & MC CURDY LAW
RENCE T
346 BAILEY WALK
ALPHARETTA GA 30009

CITY OF ALPHARETTA GEORGIA
2 PARK PLZ
ALPHARETTA GA 30009

WELLBORN JOHN W & RENEE H
419 JOHNSON CT
ALPHARETTA GA 30009

ZELNIO DEBRA
216 PHILLIPS LANE
ALPHARETTA GA 30009

STATE BANK & TRUST COMPANY
4219 FORSYTH RD
MACON GA 31208

AKOTO KWABENA
417 JOHNSON CT
ALPHARETTA GA 30009

ARORA NAVEEN & SHARMA VIMI
22 GRAND MANOR CT
STAFFORD TX 77497

ROSENBERG DANNELLE
343 BAILEY WALK
ALPHARETTA GA 30009

HIMOT WESLEY BOYD
211 PHILLIPS LANE
ALPHARETTA GA 30009

O LEARY DENNIS J & O LEARY JEANNE M
706 NOTTAWAY LANE
ALPHARETTA GA 30009

SHARMA PREM & RAMIT KUMAR
824 ADLER CT
ALPHARETTA GA 30005

APPLE PROPERTIES INC
6740 INDIAN KNOLL RD
CUMMING GA 30041

MOORE JOHN G & MOORE THERESA J
704 NOTTAWAY LANE
ALPHARETTA GA 30009

BOTTS EDWARD & CHERYL
347 BAILEY WALK
ALPHARETTA GA 30009

JBGL ATLANTA DEVELOPMENT LLC
2805 DALLAS PKWY STE 400
PLANO TX 75093

2260 OLD MILTON LLC
2300 BETHELVIEW RD STE 110-329
CUMMING GA 30040

THOMAS ANUP MATHEW & BINNS BETH M
333 BAILEY WALK
ALPHARETTA GA 30009

CHELSEA WALK LAND LLC
2771 LAWRENCEVILLE HWY STE 210
DECATUR GA 30033

AVERY PARK PARTNERS LLC
2300 BETHELVIEW RD STE 110 239
CUMMING GA 30040

ABBAS RASHID & ABBAS NAHID
335 BAILEY WALK
ALPHARETTA GA 30009

GLUCK PROPERTIES LLC
2455 OLD MILTON PKWY
ALPHARETTA GA 30004

2260 OLD MILTON LLC
2300 BETHELVIEW RD STE 110-329
CUMMING GA 30040

ROSENBLATT SHELLY
337 BAILEY WALK
ALPHARETTA GA 30009

K & S OLD MILTON LLC
3396 CAVERTON LANE
ALPHARETTA GA 30022

UNITED STATES POSTAL SERVICE
1735 NORTH BROWN RD STE 200
LAWRENCEVILLE GA 30043-8153

WILLIS LYDIA BROOKS & JASON ROBERT
208 PHILLIPS LN
ALPHARETTA GA 30009-2600

CHAN TIN & ENG DANNY
3975 OLD MILTON PKWY # S 1
ALPHARETTA GA 30005

PORTER DAVID E
376 AIR ACRES WAY
WOODSTOCK GA 30188-2910

LANE ELIZABETH VICTORIA
205 PHILLIPS LANE
ALPHARETTA GA 30009

K & S OLD MILTON LLC
3396 CAVERTON LANE
ALPHARETTA GA 30022

BLACKWATER VENTURES LLC
306 CHAMPIONS CT
WOODSTOCK GA 30188

LEE JUNG SEUNG & PAK JAMIE
207 PHILLIPS LN
ALPHARETTA GA 30009-2601

ESKANDARI MOSLEM & LEILA
501 S MAIN ST STE 103
ALPHARETTA GA 30009

GUPTA SATHY & MAYURA S
608 NOTTAWAY LANE
ALPHARETTA GA 30009

CHELSEA ALPHARETTA LLC
1147 WILD CREEK TRL
ATLANTA GA 30324

NOTTING HILL OF ALPHARETTA LLC
5100 PEACHTREE PKWY STE 200
NORCROSS GA 30092

MANNELLY JANICE E
502 NOTTAWAY LANE
ALPHARETTA GA 30009

DUNLAP JAMES
606 NOTTAWAY LANE
ALPHARETTA GA 30009

JBGL ATLANTA DEVELOPMENT LLC
2805 DALLAS PKWY STE 400
PLANO TX 75093

KOTIKALAPUDI AMRUTHA VIDYA ET AL
3935 MILLBROOK CT
SUWANEE GA 30024

DOHERTY MELISSA
604 NOTTAWAY LANE
ALPHARETTA GA 30009

MC DOWELL ANDREW
338 BAILEY WALK
ALPHARETTA GA 30009

WHITAKER BRADLEY & WHITAKER PENNY
204 PHILLIPS LANE
ALPHARETTA GA 30009

COVINGTON ALEC C & MARILYN G
602 NOTTAWAY LN
ALPHARETTA GA 30009

KIEVET THOMAS & SARAH LYNN
214 PHILLIPS LANE
ALPHARETTA GA 30009

HORSMA BENGT KRISTIAN & ANGELA HOW ELL
202 PHILLIPS LANE
ALPHARETTA GA 30009

HAYNES PARK NEIGHBORHOOD ASSOCIATI ON INC
500 SUGAR MILL RD BLDG/STE B200
SANDY SPRINGS GA 30350

DERISO DAVID CALVIN
212 PHILLIPS LANE
ALPHARETTA GA 30009

MAKAREM NIILA
201 PHILLIPS LANE
ALPHARETTA GA 30009

KADAM RAJENDRA A & KADAM SWETA R
415 JOHNSON CT
ALPHARETTA GA 30009

HARRIS JESSE MICHAEL & BRENDA GOUB EAUX
210 PHILLIPS LANE
ALPHARETTA GA 30009

LIDDELL PEARSON JR & GLORIA JEAN
203 PHILLIPS ST
ALPHARETTA GA 30009

STEVENS LAURENE ELIZABETH PERKINS
413 JOHNSON CT
ALPHARETTA GA 30009

KIRDAY PAUL & KIRDAY AIMEE
339 BAILEY WALK
ALPHARETTA GA 30009

SEAU JAKE RYAN
213 PHILLIPS LN
ALPHARETTA GA 30009-2601

OSBORNE CHARLES AGNEW III & JOLLY KENDALL NICOLE
411 JOHNSON CT
ALPHARETTA GA 30009

MORTON DALE & KATHLEEN
365 BAILEY WALK
ALPHARETTA GA 30009

OYEWOLE AYORINDE O & PATRICIA S
215 PHILLIPS LN
ALPHARETTA GA 30009

CROUCH TIMOTHY S & WISE DONNA L
409 JOHNSON CT
ALPHARETTA GA 30009

GOODSON ABBEY L
245 DAVIES RD
BLUFFTON SC 29910

SHINNERS MICHAEL PATRICK & TERESA T
217 PHILLIPS LANE
ALPHARETTA GA 30009

JBGL ATLANTA DEVELOPMENT LLC
2805 DALLAS PKWY STE 400
PLANO TX 75093

AKEY ZHANNA
PO BOX 609
ALPHARETTA GA 30009

BREEDLOVE MICHAEL & MARGARET ELLEN
219 PHILLIPS LANE
ALPHARETTA GA 30009

ALYWARD BRANDON E & HILL NICHOLE
218 PHILLIPS LN
ALPHARETTA GA 30009

AKEY ZHANNA
331 BAILEY WALK
ALPHARETTA GA 30009

JBGL ATLANTA DEVELOPMENT LLC
2805 DALLAS PKWY STE 400
PLANO TX 75093

JBGL ATLANTA DEVELOPMENT LLC
2805 DALLAS PKWY STE 400
PLANO TX 75093

CASE NO: 66748.08 POLICY NO: 5011413-0190823e

EXHIBIT "A"

ALL THAT TRACT OR PARCEL OF LAND lying and being in Land lot 748, 1st District, 2nd Section, Fulton County, Georgia and being more particularly described as follows:

BEGIN at a ½ rebar found on the southerly right of way of Old Milton Parkway f.k.a. Duluth Street (a 130' right of way pavement as shown), said rebar being North 88 degrees 18 minutes 48 seconds West, a distance of 223.26 feet from the intersection of the east land lot corner of Land lot 748; thence leaving the southerly right of way of Old Milton Parkway and running South 07 degrees 25 minutes 00 seconds West, a distance of 349.87 feet to a ½ inch rebar found; thence running North 83 degrees 05 minutes 22 seconds West, a distance of 163.72 feet to a ½ inch rebar found; thence running North 06 degrees 20 minutes 12 East, a distance of 334.33 feet to a ½ rebar found on the southerly right of way of Old Milton Parkway; thence running easterly along a curve along the southerly right of way of Old Milton Parkway to a concrete monument found, an arc distance of 8.13 feet, said arc having a radius of 2356.84 and a chord bearing South 88 degrees 12 minutes 52 seconds East with a chord distance of 8.13 feet; thence continuing along the southerly right of way of Old Milton Parkway, South 88 degrees 18 minutes 48 seconds East to a ½ rebar found and the POINT OF BEGINNING, as more particularly described on that certain Survey for Moslem Eskandari and Chicago Title Insurance Company dated October 23, 2019, prepared by Brumbelow-Reese and Associates, Inc. by Rodney H. Reese, GRLS No. 2072, containing 1.311 acres according to said survey.

August 15, 2022

PUBLIC PARTICIPATION PLAN

Applicant: Moslem Eskandari
Subject Property: 2385 Old Milton Pkwy, Alpharetta, GA 30004
Current Zoning: R-12
Proposed Zoning: DT-LW
Application: Conditional Use, Rezoning, and Variance
Governing Jurisdiction: City of Alpharetta, GA

A. This Public Participation Plan is submitted as required by the Unified Development Code of City of Alpharetta and is attached as a part of the Applicant's application.

B. People who will be notified of this Application are listed below:

Group 1. Adjacent and nearby resident and property owners located within 500 feet of the subject property. The City of Alpharetta Department of Community Development will provide a list of the adjacent and nearby residents and property owners who must be notified.

Group 2. Political Jurisdictions:

- City Council
- Planning Commission

Group 3. Public Agencies – All involved Departments of the City of Alpharetta Government.

C. Notification of interested and potentially affected parties will be performed through different methods as outlined below:

- Public participation letter (a sample letter is provided below), public participation meeting notification sign, public participation meeting, the public hearing notification sign, and the public hearing.

D. The Applicant will keep the Department of Community Development informed throughout the Public Participation process.

[Date]

Name:
Address:
Phone Number:
Application Number:

Dear Neighbor,

We would like to inform interested property owners that a Conditional Use, Rezoning, and Variance application has been submitted to City of Alpharetta regarding property located at 2385 Old Milton Pkwy, Alpharetta, GA 30004.

A public participation meeting will be held on ----------, 2022 at --------PM at ----------. This meeting is not the public hearing. Its purpose is to provide neighbors and interested parties the opportunity to meet with the applicant, ask questions, and voice concerns regarding this application.

Enclosed is a copy of the site plan depicting the subject property and the proposed project.

If you have any questions, comments or concerns, please contact me at 404-259-8921 or email me at northfultonpharmacy@gmail.com.

Respectfully,
Mike (Moslem) Eskandari

Letter of Intent

August 22, 2022

RE: Letter of Intent for development at 2385 Old Milton Pkwy, Alpharetta, GA 30004

The intent of this letter is to provide more details of the property development plan located at 2385 Old Milton Pkwy, Alpharetta, GA 30004.

The proposed development consists of an office/retail building and 10 townhomes. To this end, the applicant requests for the subject property approving: 1) Rezoning from R-12 to DT-LW; 2) The proposed site plan; 3) Requested variances.

Providing additional townhomes within the city's Downtown overlay, through the proposed development, would be a great opportunity for those who would like to live in the Alpharetta Downtown area, do their shopping near where they live, and utilize office / retail stores next to their townhomes within a walking distance. The proposed development would bring in more attention to Alpharetta Downtown where people love to live, work, and play.

Respectfully,

Mike (Moslem) Eskandari

BARNEYCASTLE
FORESTRY SERVICES, INC.

ARBORICULTURE & FORESTRY CONSULTING

chris@barneycastle.net • 678.386.8623 • www.barneycastleforestryservices.com

July 14, 2022

Mike Eskandari
Eskandari Dynasty
2385 Old Milton Pkwy
Alpharetta, GA 30009

Dear Mike:

Per your request, I have inspected and evaluated the trees denoted on the site plan as specimen size at the 2385 Old Milton Parkway proposed development site in Alpharetta. The trees have been marked with a numbered aluminum tag and green and white flagging tape.

Attached is a spreadsheet listing the trees by number, description on survey, actual species, actual DBH, and a description and condition of the trees. Also attached is a marked up survey with the locations of the trees.

Photographs of the defects in trees in fair or poor condition are found in Appendix A.

Please call me for questions or further assistance.

Sincerely,

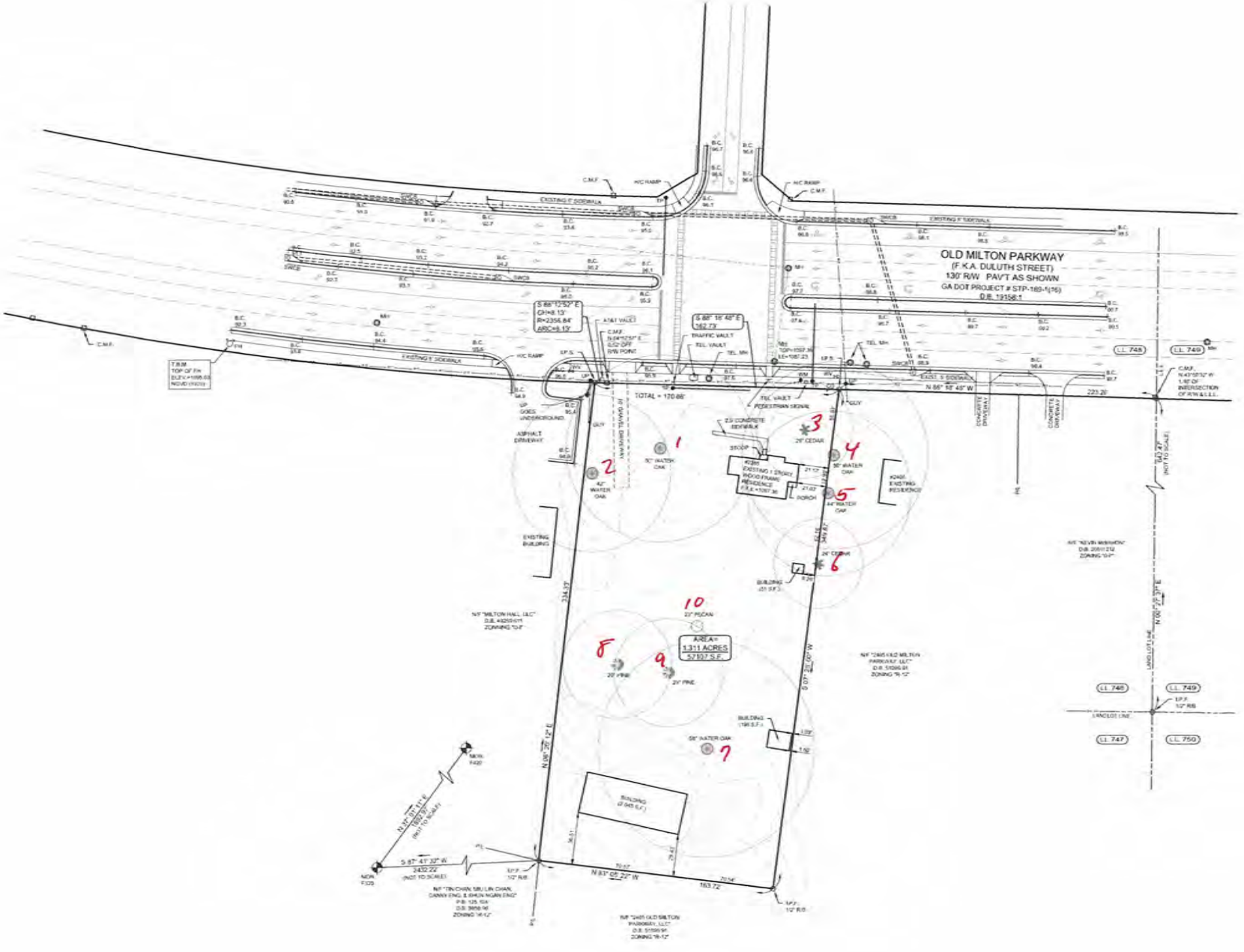
Chris Barneycastle, CA, RF

LISTING OF SPECIMEN SIZE TREES AT 2385 OLD MILTON PARKWAY, ALPHARETTA, GA

	Tree #	Description on Survey	Species	DBH	Description/Condition
1	674	50" WATER OAK	Water oak	55"	2-12" pruning wounds. Lower 20' pruned of all limbs. Topped on street side. Fair condition.
2	675	42" WATER OAK	Water oak	46"@3'	3 co-dominant stems at 4'. Included bark. Hazardous. Fair condition.
3	676	26" CEDAR	Red cedar	27"	Pruned of all limbs to 15'. Top heavy. Fair condtion.
4	677	50" WATER OAK	Water oak	55"	14" limb cut at 12'. Epicormic branching. Fair conditiion.
5	678	44" WATER OAK	Water oak	47"	4 co-dominant stems at 12'. Large pruning wound. Fair condition.
6	679	24" CEDAR	No Tree	N/A	N/A
7	680	58" WATER OAK	Water oak	63"	2 co-dominant stems at 5'. Dieback. Signs of hypoxylon canker. Poor condition.
8	681	29" PINE	Loblolly pine	30"	Some dead limbs. Otherwise, good condition.
9	682	29" PINE	Loblolly pine	33"	Good condition.
10	683	23" PECAN	Pecan	25"	Good condition.

Notes - DBH is diameter at breast height measured at 4.5 feet above ground. Diameter for trees with co-dominant stems that fork below 4.5 feet was measured at narrowest point below fork.

Prepared by: Barneycastle Forestry Services, Inc.
July 14, 2022


OLD MILTON PARKWAY
(F.K.A. DULUTH STREET)
130' R/W PAV'T AS SHOWN
GA DOT PROJECT # STP-189-1(16)
D.B. 19158:1
EXISTING 5' SIDEWALK
HC RAMP
C.M.F.
S 88° 12' 53" E
CH=8.13'
R=2356.84'
ARC=8.13'
S 88° 16' 40" E
162.73'
TRAFFIC VAULT
TEL. VAULT
TEL. MH
T.B.M.
TOP OF FH
ELEV.=1095.63
NGVD (1929)
N 88° 58' 46" W
223.20'
TOTAL = 170.66'
ASPHALT DRIVEWAY
CONCRETE DRIVEWAY
EXISTING BUILDING
4285
EXISTING 1 STORY WOOD FRAME RESIDENCE
F.F.E.=1097.36'
PORCH
2285
EXISTING RESIDENCE
AREA=
1.311 ACRES
57107 S.F.
BUILDING
(1,945 S.F.)
BUILDING
(196 S.F.)
N 00° 29' 12" E
234.57'
S 00° 22' 00" W
340.82'
N 83° 05' 22" W
163.72'
S 87° 41' 32" W
432.22'
(NOT TO SCALE)
N 37° 31' 11" W
1607.9'
(NOT TO SCALE)
N 00° 57' 37" E
749.29'
(NOT TO SCALE)
LAND LOT LINE
L.L. 746
L.L. 747
L.L. 748
L.L. 749
L.L. 750
1 50" WATER OAK
2 42" WATER OAK
3 28" CEDAR
4 50" WATER OAK
5 44" WATER OAK
6 24" CEDAR
7 58" WATER OAK
8 20" PINE
9 21" PINE
10 22" PECAN
N/F "MILTON HALL, LLC"
D.B. 49259:611
ZONING "O-I"
N/F "KEVIN MORROW"
D.B. 20611:212
ZONING "O-I"
N/F "2465 OLD MILTON PARKWAY, LLC"
D.B. 51599:91
ZONING "R-12"
N/F "TEN CHIN, SIN LIN CHAN, DANNY ENG, & KHUN NGAN ENG"
P.B. 125, 104
D.B. 3656:161
ZONING "R-12"
N/F "2401 OLD MILTON PARKWAY, LLC"
D.B. 51599:91
ZONING "R-12"
I.P.F. 1/2" R/B
MON. FOR

APPENDIX A – PHOTOGRAPHS OF SPECIMEN SIZE TREES IN FAIR OR POOR CONDITION AT 2385 OLD MILTON PARKWAY, ALPHARETTA, GA



Large Pruning Wounds – Tree #674



Topping from Powerline Clearance -Tree #674



Included Bark Between Co-dominant Stems – Tree #675



Close Up of Included Bark – Tree #675



Excessive Pruning in Lower 30 Feet – Tree #676



14 Inch Pruning Wound and Epicormic Branching – Tree #677



4 Co-dominant Stems and Large Pruning Wound – Tree #678

OLD MILTON PARKWAY
(F.K.A. DULUTH STREET)
130' R/W PAV'T AS SHOWN
GA DOT PROJECT # STP-189-1(16)
D.B. 19158:1

S 88°12'52" E
CH=8.13'
R=2356.84'
ARC=8.13'

S 88° 18' 48" E
162.73'

TOTAL = 170.86'

N 88° 18' 48" W

#2385
EXISTING 1 STORY
WOOD FRAME
RESIDENCE
F.F.E.=1097.36

#2405
EXISTING
RESIDENCE

AREA=
1.311 ACRES
57107 S.F.

334.33'

S 07° 25' 00" W
349.87'

N 06° 20' 12" E
334.33'

N 83° 05' 22" W
163.72'

S 87° 41' 32" W
2432.22'
(NOT TO SCALE)

N 37° 01' 11" E
1692.97'
(NOT TO SCALE)

N/F "MILTON HALL, LLC"
D.B. 49259:615
ZONNING "O-I"

N/F "2405 OLD MILTON
PARKWAY, LLC"
D.B. 51095:91
ZONING "R-12"

N/F "TIN CHAN, MIU LIN CHAN,
DANNY ENG, & SHUN NGAN ENG"
P.B. 125:104
D.B. 9858:96
ZONING "R-12"

N/F "2405 OLD MILTON
PARKWAY, LLC"
D.B. 51095:91
ZONING "R-12"

SCALE: 1" = 30'

SURVEY/TOPO/TREES

C-0

2385 Old Milton- Live Work Center-

2385 Old Milton- ALPHARETTA GA

Architect
KSi design group
678-438-4759, KSidesign@outlook.com

©COPYRIGHT- 2022 - This drawing as an instrument of service shall remain the property of KSi design group and shall not be reproduced, published or copied in whole or in part or used in any way without written permission of KSi design group

THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT

LEGEND: ABBREVIATIONS AND SYMBOLS

A.K.A.	- ALSO KNOWN AS
ARC	- LENGTH OF CURVE
B.C.	- BACK OF CURB
B.F.E.	- BASEMENT FLOOR ELEVATION
B.L.	- BUILDING LINE
B.L.W.	- BUILDING LINE WIDTH
BM	- BENCHMARK
BW	- BOTTOM OF WALL (GROUND)
C&G	- CURB AND GUTTER
C-#	- CURVE NUMBER
C/L	- CENTERLINE
CB	- CATCH BASIN
C.B.L.	- CORNER BUILDING LINE
CH	- CHORD OF CURVE
C.M.F.	- CONCRETE MONUMENT FOUND
C.M.P	- CORRUGATED METAL PIPE
CO	- CLEAN OUT
C.P.P.	- CORRUGATED PLASTIC PIPE
CRZ	- CRITICAL ROOT ZONE
C/T	- CRIMP TOP PIPE
D.B.	- DEED BOOK
D.E.	- DRAINAGE EASEMENT
DI	- DROP INLET (STORM)
D.I.P.	- DUCTILE IRON PIPE
DWCB	- DOUBLE WING CATCH BASIN
EP	- EDGE OF PAVEMENT
FES	- FLARED END SECTION (STORM)
F.F.E.	- FIRST FLOOR ELEVATION
FH	- FIRE HYDRANT
F.I.R.M.	- FLOOD INSURANCE RATE MAP
F.I.S.	- FLOOD INSURANCE STUDY
HW	- HEADWALL
GI	- GRATE INLET (STORM)
GM	- GAS METER
GV	- GAS VALVE
H.D.P.E.	- HIGH DENSITY POLYETHYLENE PIPE
H.P.	- HIGH POINT
I.E.	- INVERT ELEVATION
I.P.F.	- IRON PIN FOUND
I.P.S.	- IRON PIN SET (½" R/B)
JB	- JUNCTION BOX (STORM)
L	- LENGTH OF CURVE
L-#	- LINE NUMBER
L.F.E.	- LOWEST FLOOR ELEVATION
L.L.L.	- LAND LOT LINE
LP	- LIGHT POLE
M.F.E.	- MINIMUM FLOOR ELEVATION
MH	- MANHOLE (SANITARY)
M.N.F.	- MAG NAIL FOUND
M.N.S.	- MAG NAIL SET
M.S.L.	- MEAN SEA LEVEL
N/F	- NOW OR FORMERLY
N.A.D.	- NORTH AMERICAN DATUM
NGVD	- NATIONAL GEODETIC VERTICAL DATUM
O/T	- OPEN TOP PIPE
O.C.S.	- OUTLET CONTROL STRUCTURE (STORM)
PAV'T	- PAVEMENT
PB	- POWER BOX
P.B.	- PLAT BOOK
P.O.B.	- POINT OF BEGINNING
P.O.C.	- POINT OF COMMENCEMENT
P.V.C.	- POLYVINYL CHLORIDE PIPE
P/L	- PROPERTY LINE
R	- RADIUS OF CURVE
RM	- REFERENCE MARK (F.I.R.M.)
R.F.	- ROCK FOUND
R.B.L.	- REAR BUILDING LINE
R.C.P.	- REINFORCED CONCRETE PIPE
R/B	- REINFORCING BAR
RW	- RETAINING WALL
R/W	- RIGHT OF WAY
S.B.L.	- SIDE BUILDING LINE
S.F.	- SQUARE FEET
SS	- SANITARY SEWER
S.S.E.	- SANITARY SEWER EASEMENT
SSE	- SAFETY SLOPE END SECTION (STORM)
SWCB	- SINGLE WING CATCH BASIN
T.B.M.	- TEMPORARY BENCH MARK
TB	- TELECOMMUNICATIONS BOX
TC	- TOP OF CURB
TMH	- TELECOMMUNICATIONS MANHOLE
TP	- TRAFFIC SIGNAL POLE
TW	- TOP OF WALL
UP	- UTILITY POLE
V.C.P.	- VITRIFIED CLAY PIPE
WM	- WATER METER
WV	- WATER VALVE
YI	- YARD INLET (PEDESTAL TYPE)
—— : ——►	- STREAM
——D——►	- EXISTING STORM WATER FLOW
——F——	- FLOOD LIMITS
——G——	- GAS LINE
——P——	- POWER LINE
——D——►	- PROPOSED STORM WATER FLOW
——SF——	- SILT FENCE
——TF——	- TREE FENCE
——T——	- TELECOMMUNICATIONS LINE
——W——	- WATER LINE
——X——	- WIRE FARM FENCE LINE
——□——	- WOOD FENCE LINE
——o——	- CHAIN LINK FENCE LINE

THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 118,180 FEET AND AN ANGULAR ERROR OF 01 SECONDS PER ANGLE POINT AND WAS ADJUSTED USING THE COMPASS RULE.

THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 134,537 FEET.

EQUIPMENT USED FOR MEASUREMENTS: LEICA TS12 - TOTAL STATION

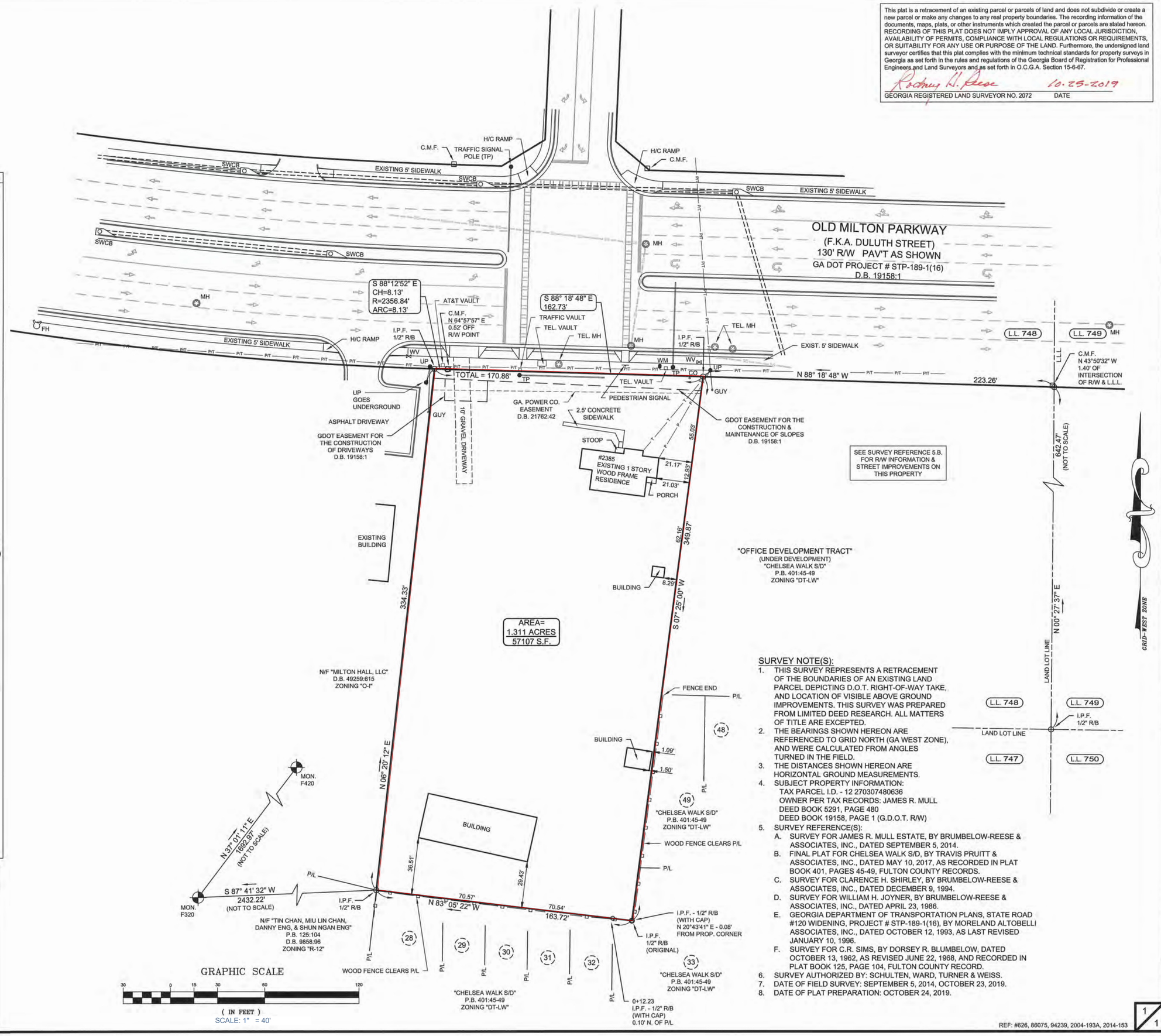
THIS (PROPERTY) [redacted] (IS NOT) LOCATED WITHIN THE 100-YEAR FLOOD AREA PER OFFICIAL FLOOD INSURANCE RATE MAPS. PANEL NO. 13121C0058 F AS DATED/REVISED: SEPTEMBER 18, 2013

NO NATIONAL GEODETIC SURVEY MONUMENT WAS FOUND WITHIN 500' OF THIS PROPERTY.

This plat is a retracement of an existing parcel or parcels of land and does not subdivide or create a new parcel or make any changes to any real property boundaries. The recording information of the documents, maps, plats, or other instruments which created the parcel or parcels are stated hereon. RECORDING OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. Furthermore, the undersigned land surveyor certifies that this plat complies with the minimum technical standards for property surveys in Georgia as set forth in the rules and regulations of the Georgia Board of Registration for Professional Engineers and Land Surveyors and as set forth in O.C.G.A. Section 15-6-67.

Rodney H. Reese 10-25-2019

GEORGIA REGISTERED LAND SURVEYOR NO. 2072 DATE



SURVEY NOTE(S):

1. THIS SURVEY REPRESENTS A RETRACEMENT OF THE BOUNDARIES OF AN EXISTING LAND PARCEL DEPICTING D.O.T. RIGHT-OF-WAY TAKE, AND LOCATION OF VISIBLE ABOVE GROUND IMPROVEMENTS. THIS SURVEY WAS PREPARED FROM LIMITED DEED RESEARCH. ALL MATTERS OF TITLE ARE EXCEPTED.
2. THE BEARINGS SHOWN HEREON ARE REFERENCED TO GRID NORTH (GA WEST ZONE), AND WERE CALCULATED FROM ANGLES TURNED IN THE FIELD.
3. THE DISTANCES SHOWN HEREON ARE HORIZONTAL GROUND MEASUREMENTS.
4. SUBJECT PROPERTY INFORMATION:
   TAX PARCEL I.D. - 12 270307480636
   OWNER PER TAX RECORDS: JAMES R. MULL
   DEED BOOK 5291, PAGE 480
   DEED BOOK 19158, PAGE 1 (G.D.O.T. R/W)
5. SURVEY REFERENCE(S):
   A. SURVEY FOR JAMES R. MULL ESTATE, BY BRUMBELOW-REESE & ASSOCIATES, INC., DATED SEPTEMBER 5, 2014.
   B. FINAL PLAT FOR CHELSEA WALK S/D, BY TRAVIS PRUITT & ASSOCIATES, INC., DATED MAY 10, 2017, AS RECORDED IN PLAT BOOK 401, PAGES 45-49, FULTON COUNTY RECORDS.
   C. SURVEY FOR CLARENCE H. SHIRLEY, BY BRUMBELOW-REESE & ASSOCIATES, INC., DATED DECEMBER 9, 1994.
   D. SURVEY FOR WILLIAM H. JOYNER, BY BRUMBELOW-REESE & ASSOCIATES, INC., DATED APRIL 23, 1986.
   E. GEORGIA DEPARTMENT OF TRANSPORTATION PLANS, STATE ROAD #120 WIDENING, PROJECT # STP-189-1(16), BY MORELAND ALTOBELLI ASSOCIATES, INC., DATED OCTOBER 12, 1993, AS LAST REVISED JANUARY 10, 1996.
   F. SURVEY FOR C.R. SIMS, BY DORSEY R. BLUMBELOW, DATED OCTOBER 13, 1962, AS REVISED JUNE 22, 1968, AND RECORDED IN PLAT BOOK 125, PAGE 104, FULTON COUNTY RECORD.
6. SURVEY AUTHORIZED BY: SCHULTEN, WARD, TURNER & WEISS.
7. DATE OF FIELD SURVEY: SEPTEMBER 5, 2014, OCTOBER 23, 2019.
8. DATE OF PLAT PREPARATION: OCTOBER 24, 2019.

REF: #626, 86075, 94239, 2004-193A, 2014-153

BRUMBELOW-REESE AND ASSOC., INC.
LAND SURVEYING SERVICES, LAND PLANNERS, DEVELOPMENT CONSULTANTS
[GEORGIA LICENSE LSF000285] - EXPIRATION 6/30/2020
13685 HIGHWAY 9 N
MILTON, GEORGIA 30004-3616
PHONE: 770-475-6817
FAX: 770-569-4948
EMAIL: BRASSINC@COMCAST.NET

GEORGIA REGISTERED No. 2072 LAND SURVEYOR RODNEY H. REESE

GEORGIA R.L.S. # 2072
MEMBER OF S.A.M.S.O.G.

REVISIONS:

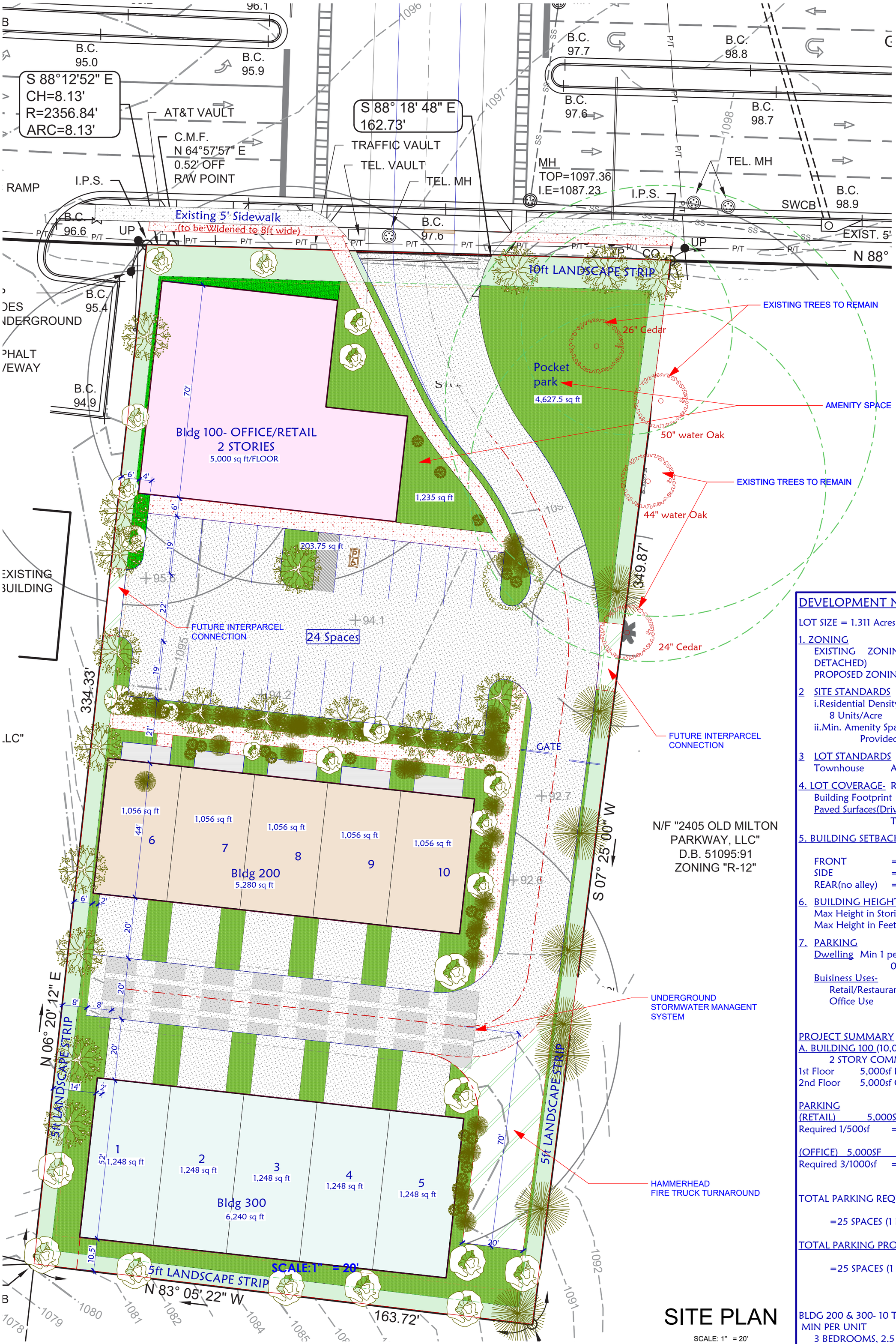
LOCATED IN:
LAND LOT(S): 748
DISTRICT: 1, SECTION: 2
CITY OF: ALPHARETTA
COUNTY OF: FULTON
STATE OF GEORGIA

SURVEY FOR
MOSLEM ESKANDARI
& CHICAGO TITLE INSURANCE COMPANY

DATE: OCTOBER 23, 2019

FIELD BY: SDR
DRAWN BY: MK
CHECKED BY: RHR
DRAWING: EMULL-OMP
JOB #: 2019-214

1/1



DEVELOPMENT NOTES

LOT SIZE = 1.311 Acres (57107sf)

1. ZONING
   EXISTING ZONING = R-12(DWELLING FOR SALE, DETACHED)
   PROPOSED ZONING= DT-LW(DOWNTOWN LIVE-WORK)

2 SITE STANDARDS
   i.Residential Density (no Conditional Use Permit)
   8 Units/Acre
   ii.Min. Amenity Space Req.=10% of Site(5,711sf min.)
   Provided =5,862sf (10.3%)

3 LOT STANDARDS
   Townhouse Area=900sf min., Width= 20ft min.

4. LOT COVERAGE- Required = 70%
   Building Footprint =16,520sf
   Paved Surfaces(Drives, parking, walkways) =22,801sf
   TOTAL =39,321sf = 68.88%

5. BUILDING SETBACKS (PER PROPOSED ZONING)

FRONT	=	10' min.
SIDE	=	0ft min, 10 between structures
REAR(no alley)	=	3ft

6. BUILDING HEIGHT
   Max Height in Stories = 3 Stories
   Max Height in Feet = 40ft

7. PARKING
   Dwelling Min 1 per Bedroom(upto 2bedrms), 0.5 Visitor space Per Unit
   Buisiness Uses-
   Retail/Restaurants = 1per 500sf
   Office Use = 3 per 1000sf

PROJECT SUMMARY
A. BUILDING 100 (10,000SF TOTAL)
2 STORY COMMERCIAL
1st Floor 5,000sf Retail/Restaurant
2nd Floor 5,000sf Office

PARKING
(RETAIL) 5,000SF .
Required 1/500sf = 10 Spaces

(OFFICE) 5,000SF .
Required 3/1000sf = 15 Spaces

TOTAL PARKING REQUIRED (FOR COMMERCIAL USE.)

=25 SPACES (1 HC PARKING), 1 Bicycle parking Req.

TOTAL PARKING PROVIDED

=25 SPACES (1 HC PARKING)

BLDG 200 & 300- 10 TOWNHOMES (GATED)
MIN PER UNIT
3 BEDROOMS, 2.5 BATHROOMS
2 CAR GARAGE
2 OUTDOOR PARKING

SITE PLAN

SCALE: 1" = 20'

Architectural Site Plan

C-1

2385 Old Milton- Live Work Center-

2385 Old Milton- ALPHARETTA GA

Architect
KSi design group
678-438-4759, KSidesign@outlook.com

©COPYRIGHT- 2022 - This drawing as an instrument of service shall remain the property of KSi design group and shall not be reproduced, published or copied in whole or in part or used in any way without written permission of KSi design group

CITY COUNCIL MEETING
STAFF REPORT

SUBMITTING DEPARTMENT: COMMUNITY DEVELOPMENT
SUBMITTED BY: KATHI COOK
DRAFTED BY: MICHAEL WOODMAN

I. AGENDA ITEM TITLE: CU-22-11 JEAN-CLAUDE SALON/312 MAXWELL ROAD

CITY COUNCIL: DECEMBER 12, 2022

This item was considered at the 12/1/2022 Planning Commission meeting. Staff recommended approval subject to 5 conditions. There were no public comments. After discussion, Planning Commission recommended approval subject to staff's recommended conditions. Vote 6-0

II. RECOMMENDATION:

Approve CU-22-11 Jean-Claude Salon/312 Maxwell Road, subject to the following conditions:

1. 'Beauty Shop' shall be added as a conditional use at 312 Maxwell Road, Suite 500 and limited to no more than 1,100 square feet.
2. Conditional use approval shall be limited to Jean-Claude Salon; no additional 'Beauty Shop' use or subleasing shall be permitted within the approved space.
3. 'Beauty Shop' shall be limited to cosmetology services that do not require a customer to disrobe.
4. Hours of operation shall be limited to Monday – Sunday 9:00 AM – 5:00 PM.
5. Signage shall be limited to a wall sign no larger than three (3) square feet and located beside the front door. No additional signage shall be permitted. No lighting window trim.

III. REPORT IN BRIEF:

The applicant, Jean-Claude Salon, is requesting a conditional use to operate a 'Beauty Shop' in a 1,100 square foot suite in an existing building in the Colony Park Offices on South Main. The business provides image and hair consulting services with seniors being the targeted customer. The subject property is located at 312 Maxwell Road near the southeast corner of South Main Street and Maxwell Road.

DISCUSSION

The submitted request, if approved, would allow Jean-Claude Salon to operate a 'Beauty Shop' in a 1,100 square foot suite in an existing building in the Colony Park Offices on South Main. The business provides image and hair consulting services with seniors being the targeted customer. The subject property is located at 312 Maxwell Road near the southeast corner of South Main Street and Maxwell Road.

Colony Park Offices on South Main is an office (condominium) park developed with sixteen (16), two (2) story office buildings. A variety of businesses operate in the office park, including medical offices, professional offices, a medical spa, commercial schools, insurance agencies, a bank, law offices, and financial services. The applicant's business is proposed in a building toward the front of the office park. The subject property is zoned O-I (Office-Institutional), which allows 'Beauty Shop' with approval of a conditional use. Surrounding properties are zoned C-2 (General Commercial) to the north, west and south and R-12 (Dwelling, 'For-Sale', Residential) to the east. Alpha Park Subdivision is located to the east; Chevron, Reds Package Store, Gourmania, and Lamp & Shade City Lighting are located to the north; ALMAS Center to the west; and the former Comcast cable office is located to the south.

Jean-Claude Salon is a new concept offering beauty services including image and hair consulting by appointment only. The applicant proposes to utilize an 1,100 square foot suite in an existing building. Parking on the property was developed to support professional and medical offices, which has a requirement of one (1) parking space per 200 square feet. The applicant's business has the same parking requirement and there are more than 50 parking spaces within 100' of the applicant's proposed location. Hours of operation will be Monday – Sunday 9:00 AM to 5:00 PM. The applicant anticipates approximately one (1) employee.

TRAFFIC

Staff calculated trips for the proposed use which would generate an estimated one (1) AM Peak Hour trip and two (2) PM Peak Hour trips.

CONDITIONAL USE REVIEW CRITERIA

City staff has reviewed the applicant's request and compared it to the conditional use standards established in UDC Sec. 4.2.3 (B) which are as follows:

A conditional use otherwise permitted within a zoning district shall be considered to be compatible with other uses permitted in the district, provided that due consideration is given to the following objective criteria at a public hearing and satisfactory provisions or arrangements are made for:

1. Access into and out of the property with regard to traffic and pedestrian safety, volume of traffic flow, and emergency vehicles, as well as the type of street providing access;

Response:Colony Park Offices on South Main was developed in compliance with the site access standards.

2. The extent to which refuse areas, loading and service areas, off street parking, and buffers and screening are provided on the property;

Response:The subject property is in compliance with regard to refuse areas, loading and service areas, off-street parking, and buffers and screening.

3. Ensuring that the conditional use will not be injurious to the use and enjoyment of the environment or of other property in the immediate vicinity or diminish and impair property values within the surrounding neighborhood;

Response:The proposed business would be compatible with surrounding businesses, which consist of a mix of medical, professional office, and personal services businesses.

4. Ensuring that the conditional use will not increase local or state expenditures in relation to the cost of servicing or maintaining neighboring properties;

Response:Not applicable.

5. Ensuring that the conditional use will not impede the normal and orderly development of surrounding property for uses predominant in the area;

Response:The proposed business would be compatible with surrounding businesses, which consist of a mix of medical, professional office, and personal services businesses.

6. Ensuring that the location and character of the conditional use is consistent with a desirable pattern of development for the city, in general; and

Response:The proposed business would be compatible with surrounding businesses, which consist of a mix of medical, professional office, and personal services businesses.

7. Ensuring that the conditional use is appropriately separated from similar uses and conflicting uses, such as residences, government buildings, parks, churches or schools.

Response:There are other 'Beauty Shop' businesses operating in the City; however, it is unknown if there are similar businesses focusing on seniors. The nearest 'Beauty Shop' is Sonia's Hair Salon at 342 South Main Street, which is approximately 900' to the west of the applicant's site. There are no conflicting uses in the immediate vicinity of the applicant's property.

CONCURRENCES

Staff reviewed the applicant's proposal in consideration of the review criteria for a conditional use. The proposed business would be compatible with surrounding businesses, which consist of a mix of medical, professional office, and personal services businesses. In addition, the applicant's business is by appointment, which is similar to other businesses operating in the office park. If approved, conditions should be established that regulate and limit an expansion of services and signage.

CITIZEN PARTICIPATION PLAN

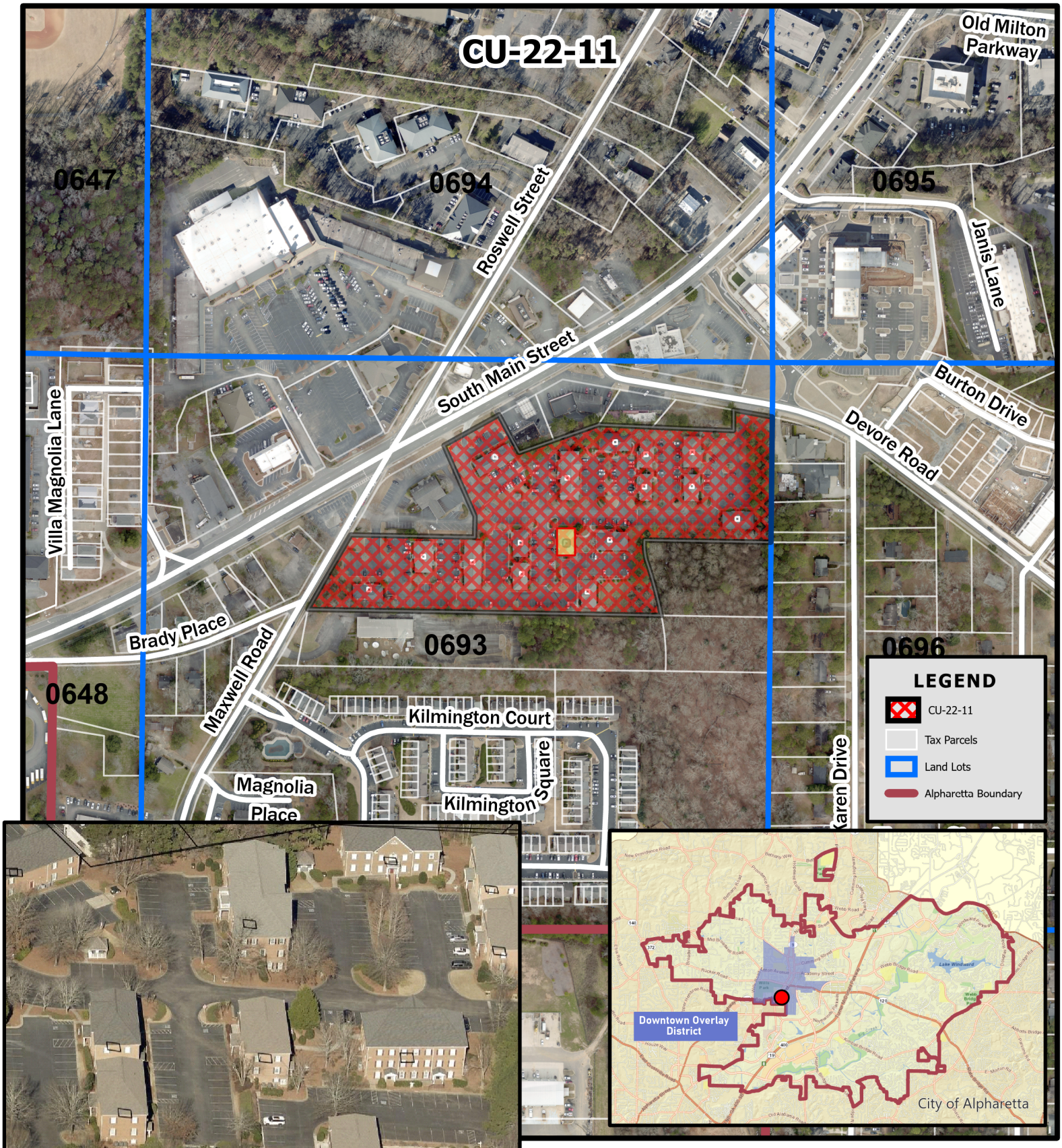
The report submitted by the applicant states that property owners within 500' were contacted regarding the applicant's intent. The report states that comments were received in support of the applicant's request.

COMMUNITY ZONING INFORMATION MEETING

The CZIM was held on November 9, 2022. There were a few public comments in support of the applicant's request.

IV. ATTACHMENTS:

- Aerial Map
- Zoning Map
- Future Land Use Map
- Location Map
- CZIM Sign In Sheet
- Citizen Participation Part B
- Public Comment
- Application

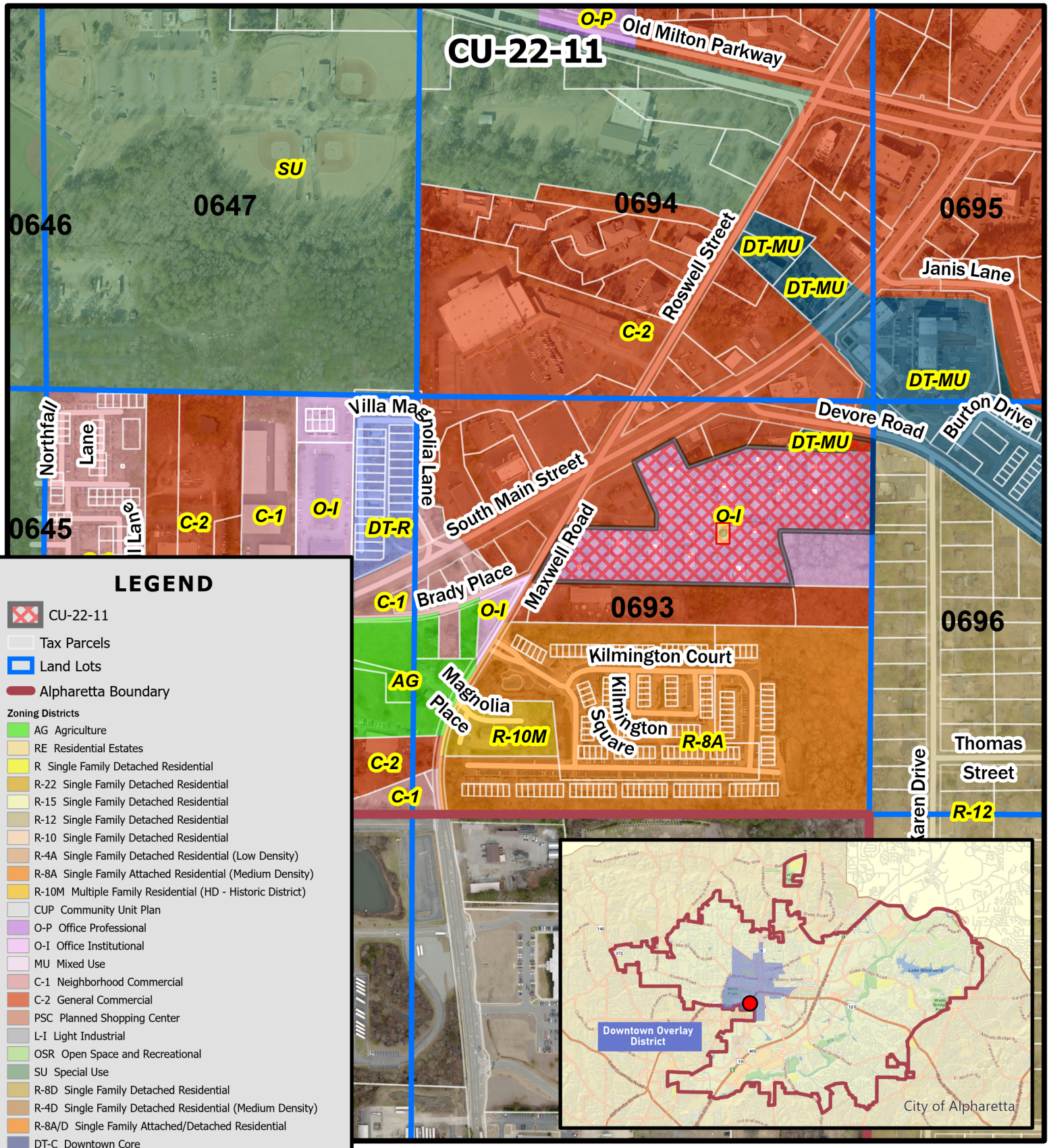


CU-22-11
D/LL: 1/2/0693
PC: 12/01/22
CC: 12/12/22

Aerial Map
Jean-Claude Salon
312 Maxwell Road Suite 500

THE CITY OF ALPHARETTA GEORGIA

Location Map Provided by:
Community Development - GIS



LEGEND

- CU-22-11
- Tax Parcels
- Land Lots
- Alpharetta Boundary

Zoning Districts

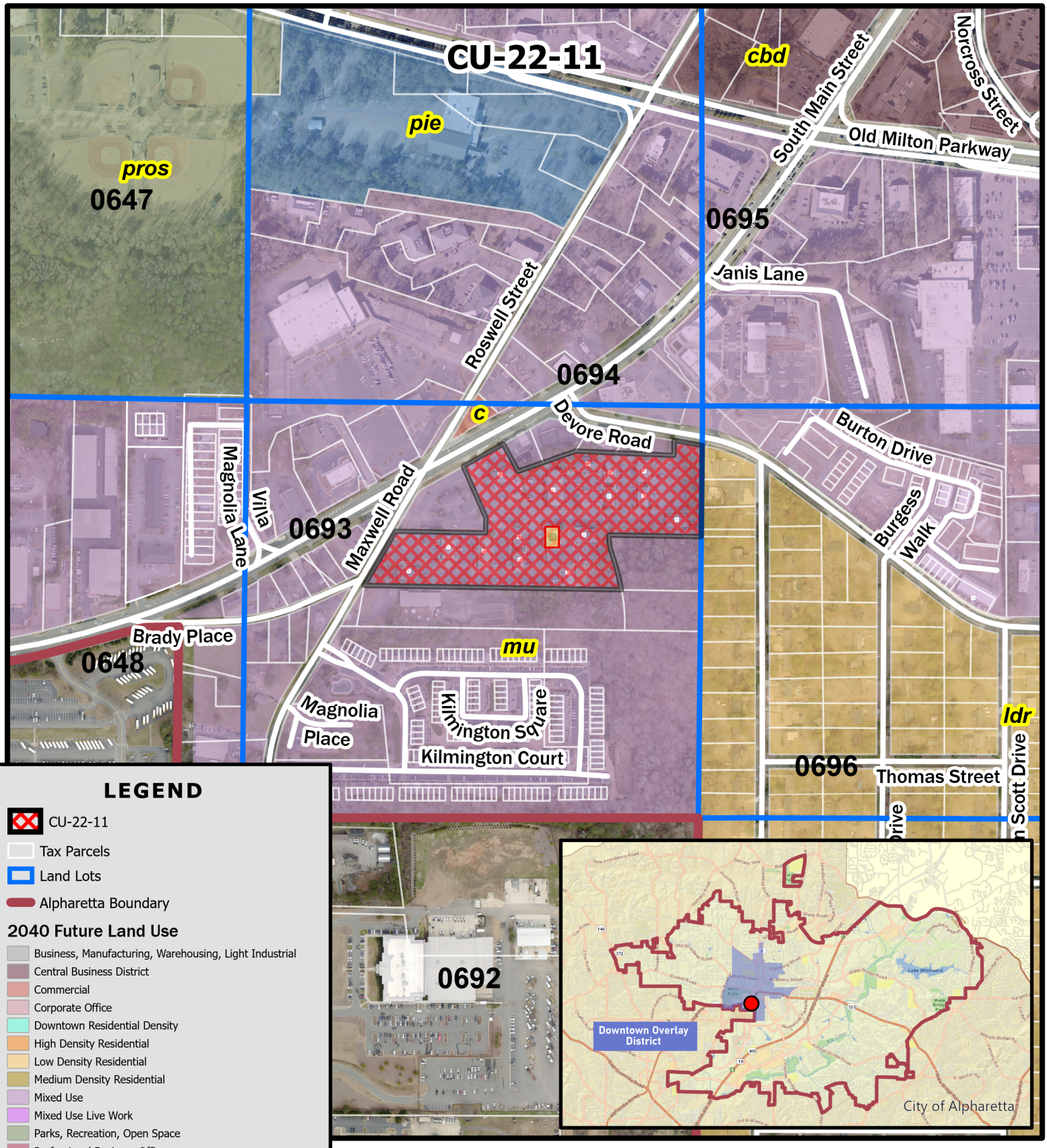
- AG Agriculture
- RE Residential Estates
- R Single Family Detached Residential
- R-22 Single Family Detached Residential
- R-15 Single Family Detached Residential
- R-12 Single Family Detached Residential
- R-10 Single Family Detached Residential
- R-4A Single Family Detached Residential (Low Density)
- R-8A Single Family Attached Residential (Medium Density)
- R-10M Multiple Family Residential (HD - Historic District)
- CUP Community Unit Plan
- O-P Office Professional
- O-I Office Institutional
- MU Mixed Use
- C-1 Neighborhood Commercial
- C-2 General Commercial
- PSC Planned Shopping Center
- L-I Light Industrial
- OSR Open Space and Recreational
- SU Special Use
- R-8D Single Family Detached Residential
- R-4D Single Family Detached Residential (Medium Density)
- R-8A/D Single Family Attached/Detached Residential
- DT-C Downtown Core
- DT-MU Downtown Mixed-Use
- DT-LW Downtown Live-Work
- DT-R Downtown Residential

Zoning Map
Jean-Claude Salon
312 Maxwell Road Suite 500

THE CITY OF ALPHARETTA GEORGIA

CU-22-11
D/LL: 1/2/0693
PC: 12/01/22
CC: 12/12/22

Location Map Provided by:
Community Development - GIS



LEGEND

- CU-22-11
- Tax Parcels
- Land Lots
- Alpharetta Boundary

2040 Future Land Use

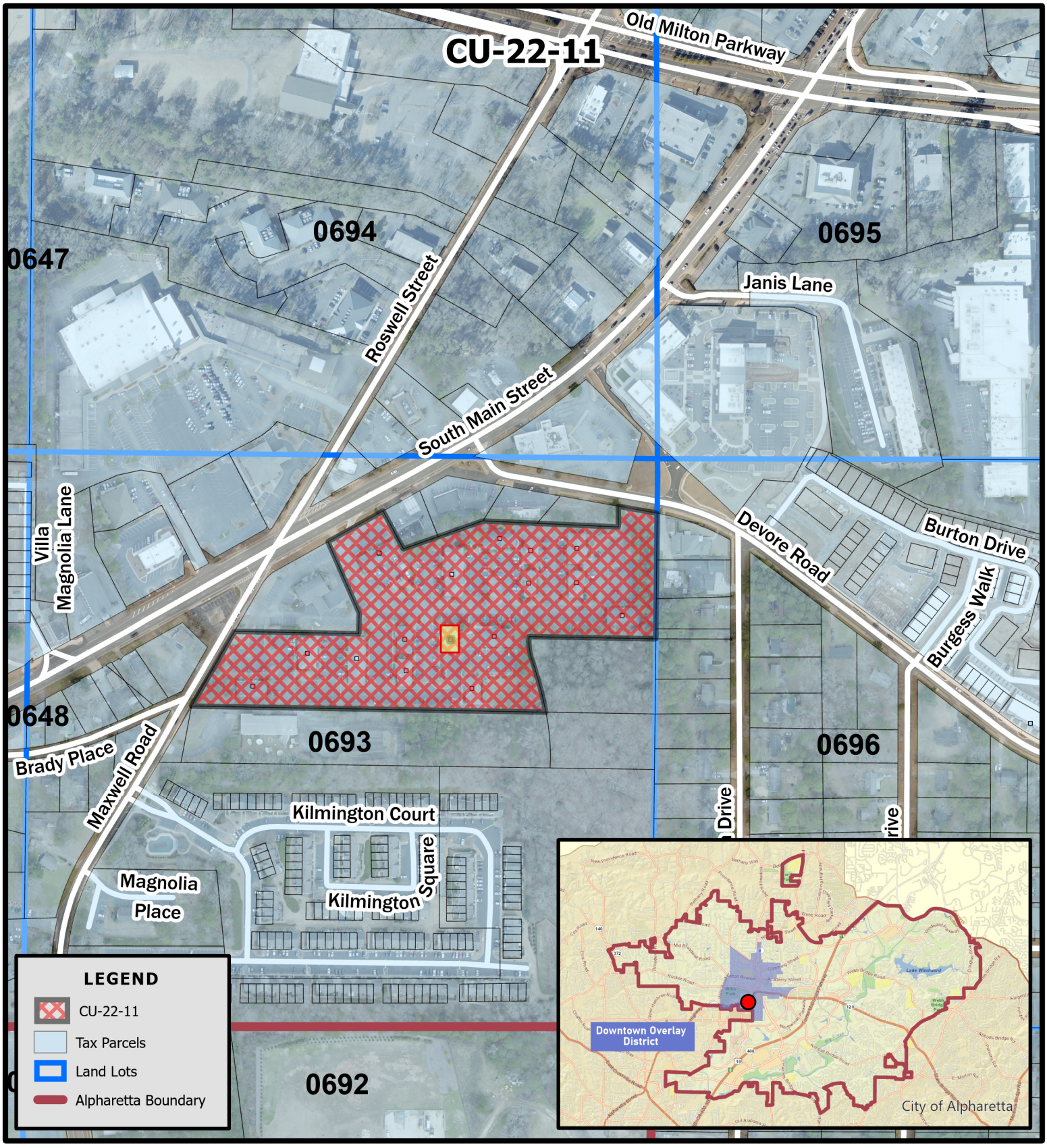
- Business, Manufacturing, Warehousing, Light Industrial
- Central Business District
- Commercial
- Corporate Office
- Downtown Residential Density
- High Density Residential
- Low Density Residential
- Medium Density Residential
- Mixed Use
- Mixed Use Live Work
- Parks, Recreation, Open Space
- Professional Business Office
- Public, Institutional, Education
- Residential Estate
- Very Low Density Residential

THE CITY OF ALPHARETTA GEORGIA

Future Land Use Map
Jean-Claude Salon
312 Maxwell Road Suite 500

CU-22-11
D/LL: 1/2/0693
PC: 12/01/22
CC: 12/12/22

Location Map Provided by:
Community Development - GIS



Location Map
Jean-Claude Salon
312 Maxwell Road Suite 500

CU-22-11
D/LL: 1/2/0693
PC: 12/01/22
CC: 12/12/22

THE CITY OF ALPHARETTA GEORGIA

Location Map Provided by:
Community Development - GIS

Community Zoning Information Meeting (CZIM) **November 9, 2022**
Please sign-in and leave your comments and/or concerns.

CU-22-11 / Jean-Claude Salon/312 Maxwell Rd

NAME	ADDRESS	COMMENTS
Arian		Wonderful idea older citizens
Jason	2205 Main ST Suite H, alpharetta [redacted] 30009	Ana has provided amazing care and services for beauty / salon / hair styling. She is very caring towards senior clients.
Terry Harper	2330 Melina Pl. Alpharetta, GA	Great Idea!
Cathy Treible	335 Banbury Crossing Midwicle.	Love this idea!

CITIZEN PARTICIPATION FORM - PART B

This form must be completed and submitted to the City of Alpharetta Community Development Department a minimum of twenty (20) working days prior to the scheduled Public Hearing. Failure to do so will result in cancellation of the scheduled hearing.

Public Hearing or Project Name: Jean Claude Salon

Contact Name: Ana K. Rocha Telephone: 470-549-1284

Please describe comments and concerns provided by any and all individuals contacted as part of the the Citizen Participation Program. If any individuals provided written correspondence, please attach copies of same to this report.

* Dr. Mary Admin. on October 27, 2022. receive an email. from her, She said "Sounds like a safe space for senior citizens to feel their best". She is located at 314 Maxwell Rd.

*SOHILA, AGARI. On November 1, 2022 I talked to a Salon owner who is located in S.main Alpharetta Hway. She was excited for me to open a salon close by her and sent me a message. good luck with your permit the new salon.

Method by which these individuals were contacted. Please mark all that apply. ***Please provide samples of any and all written communications used to provide notification.***

- [x] Letter
- [ ] Personal Visits
- [x] Telephone
- [ ] Group Meeting
- [x] Email
- [ ] Other *(Please Specify)* _____

Attach a list of people who have been notified of this application and provided information describing the subject proposal. Please note that ALL adjoining property owners MUST be notified.

I, the undersigned, as an authorized representative of the applicant and Public Hearing item identified above, do solemnly swear and attest, subject to criminal penalties for false swearing, that the information provided in this Citizen Participation Form - Part B and in any and all documents provided in support of this report are true and accurate. I further understand that any false statements provided by representatives of the applicant as part of this report may result in penalties up to and including denial of the subject application.

Signature of Authorized Agent: Ana K. Rocha Date: November 7, 2022

Print Form

RE: CU-22-11/Jean Claude Salon / 312 Maxwell Road.

To whom it may concern:

My name is Eric Roberts, owner of small business in Alpharetta Georgia. I am writting to express my support to Ana Rocha and her image salon,Jean Claude.

I have wored with Ana for several years now and found her to be upstanding in both her professionalism in working with clients and others (senior citizens) and her business ethics. From my observations, I have always seen Ana to treat everyone with respect and courtesy. I would consider her skill to be the highest caliber making a meaningful impact on the lives and images of her clients.

I would fully support the requested Conditional Use Permit as she will bring a high caliber client only with scheduled appoinments into her salon. This will expose the requested development to more awareness and perhaps even increase the valuation of the property. I really apreciate the appointment calendar as she is always waiting on me and there is never a wait.

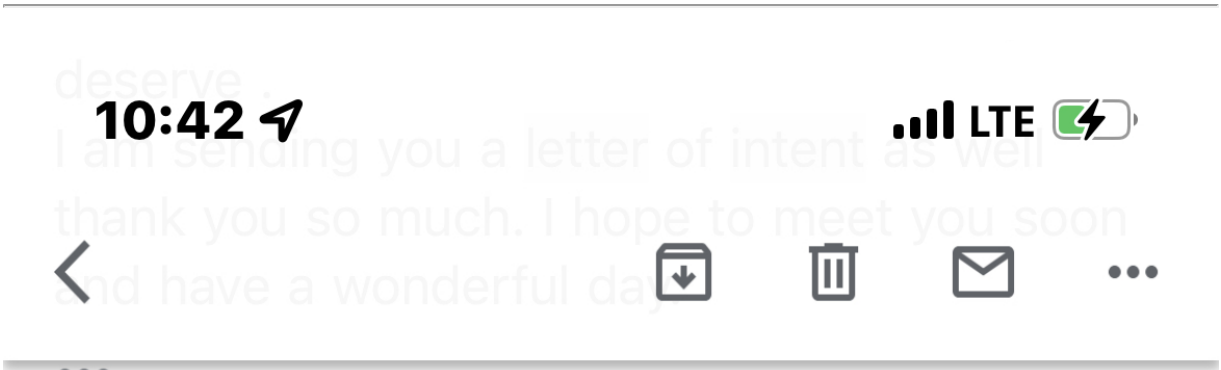
I would deem Ana Rocha to be a highly qualified business professional that operates her business with class and customer satisfation as her outmost priority. For this reason, I would like to offer my recommendation in support of her business license.

Sincerely,

Eric Roberts.

From: ana vakili
To: Woodman, Michael
Subject: Conditional Use Permit. Ana Rocha. Comments from 314 Maxwell Road. Alpharetta Georgia 30009.
Date: Thursday, October 27, 2022 10:45:25 AM

[CAUTION: This email originated from outside the City. Do not click links or open attachments unless you recognize the sender and know the content is safe.]





DrMary Admin 10:41 AM

to me

Good morning Ana,

Oh my goodness! Thank you for confirming the address. Sounds like a safe space for senior citizens to feel their best.

I hope you have a good day,

--

Have a great day!

Adrian Coile
Administrative Assistant to Mary Hynes Danielak, Psy.D.
Licensed Clinical Psychologist
314 Maxwell Road, Suite 400
Alpharetta, GA 30009

770-442-9447 x110
Fax: 770-442-1915
www.YourShrink.com

We would prefer that you are vaccinated to come to our office, but even that doesn't seem to be providing the protection we all hoped for. So, our current policy is to stay home if you feel at all sick, or if you are getting over being sick, please wear a mask with us.

If you have contracted Covid, we do not want

CITY OF ALPHARETTA

PUBLIC HEARING APPLICATION

FOR OFFICE USE ONLY
Case #: _____
PH #: _____
☐ Property Taxes & Code Violations Verified
☐ Fee Paid Initial: _____

COMMUNITY DEVELOPMENT DEPARTMENT • 2 PARK PLAZA • ALPHARETTA, GA 30009

1. This page should be the first page in each of your completed application packets.
2. It is preferred that all responses be typed. Illegible applications will not be accepted.
3. Prior to signing and submitting your application, please check all information supplied on the following pages to ensure that all responses are complete and accurate. Incomplete applications will not be accepted.
4. Payment of all applicable fees must be made at the time of application. Payment may be made via cash, credit card (American Express, Master Card or Visa), or check made payable to "City of Alpharetta." Please note that a 3% convenience fee will be added to all credit card transactions.
5. Applications will be accepted on the designated submittal dates between the hours of 8:30 AM and 3:30 PM.
6. If you have any questions regarding this form, please contact the Community Development Department by calling 678-297-6070.

Contact Information:

Contact Name: Ana Rocha Telephone: (470) 549-1284

Address: 2706 Benson Drive Suite:

City Marietta State: GA Zip: 30062 Fax:

Mobile Tel: (470) 549-1284 Email: vakilliana8@gmail.com

Subject Property Information:

Address: 312 Maxwell Road suite 500 Current Zoning: O-I

District: Fulton Section: Land Lot: Parcel ID:

Proposed Zoning: Current Use: none

This Application For *(Check All That Apply)*:

- ☒ Conditional Use
- ☐ Rezoning
- ☐ Variance
- ☐ Exception
- ☐ Master Plan Amendment
- ☐ Master Plan Review
- ☒ Public Hearing
- ☐ Other *(Specify)*:
- ☐ Comprehensive Plan Amendment

Applicant Request And Intent

What is the proposed use(s) of the property?

The proposed use of property, The business is an apointment only Image and hair consulting Salon handle by a proffetionals Master Cosmetologist primary focus on style and hair grooming. We offer personalized and individualized experience that focuses on quality over quantity.

Applicant's Request (Please itemize the proposal):

We would like to open a minority and female owned and operated proffesional image and hair consultant business on the premises targeting mid to upper socioeconomic clients. While we be offering cutting and styling services on appointment. We will not offer walk up or waiting services, thus minimizing foot traffic to those with appointments.

Applicant's Intent *(Please describe what the proposal would facilitate).*

We take a personalized approach to senior hair cuts making them feel confident, relaxed and conforable because they are in great hands. That's the pleasant experience with love and compasssion that we facilitate to our clients. Also there is handicap facilities for weelchairs.

PROPERTY OWNER AUTHORIZATION

Property Owner Information:

Contact Name: Daniel GIGLIA Telephone: 770-667-6444

Address: 284 S. MAIN ST/ Suite: 400

City ALPHARETTA State: GA Zip: 30009

Authorization:

I do solemnly swear and attest, subject to criminal penalties for false swearing, that I am the legal owner, as reflected in the records of Fulton County, Georgia, of the property identified below, which is the subject of the attached Application for Public Hearing before the City of Alpharetta, Georgia.

As the legal owner of record of the subject property, I hereby authorize the individual named below to act as the applicant in the pursuit of the Application for Public Hearing in request of the items indicated below.

- ☐ Annexation
- ☐ Rezoning
- ☐ Variance
- ☐ Land Use Application
- ☐ Special Use
- ☒ Conditional Use
- ☐ Master Plan
- ☐ Other

Property Owner's Authorized Applicant (if applicable):

Name of Authorized Applicant: ANA ROCHA Telephone: 470.549.1284

Address: 312 MAXWELL Rd Suite: 500

City ALPHARETTA State: GA Zip: 30009

So Sworn and **Attested:**

Owner Signature: Daniel P. Giglia Date: 9/22/22

Notary:

Notary Signature: Shelley Katzef Date: 9/22/22

Shelley Katzef
NOTARY PUBLIC
Gwinnett County, Georgia
My Commission Expires
August 21, 2025

DISCLOSURE FORM

The Official Code of Georgia Annotated requires disclosure of campaign contributions to government officials by an applicant or opponent of a rezoning or public hearing petition (O.C.G.A. 36-67 A-1).

Applicants must file this form with the City of Alpharetta Community Development Department within ten (10) days after filing for rezoning or public hearing. Opponents to a rezoning or public hearing petition must file this form five (5) days prior to the Planning Commission meeting at which the subject rezoning or public hearing petition is scheduled to be heard.

Name of Applicant or Opponent: Ana K. Rocha

Subject Public Hearing Case: Jean-Claude Salon

Campaign Contribution Information:

Please provide the requested information for each contribution with a dollar amount or value of $250 or more made within the past two (2) years to an Alpharetta Official by the individual identified above. Please use a separate form for each Alpharetta Official to whom such a contribution as been made.

If the individual identified above has made no such contributions to an Alpharetta Official within the past two (2) years, please indicate this by entering "N/A" on the appropriate lines below.

Name of Official: N/A Position: (

Description of Contribution: _____ Value: 0

Description of Contribution: _____ Value: _____

Description of Contribution: _____ Value: _____

Description of Contribution: _____ Value: _____

Description of Contribution: _____ Value: _____

Campaign Contribution Information:

I do solemnly swear and attest, subject to criminal penalties for false swearing, that the information provided in this Disclosure Form is true and accurate and that I have disclosed herein any and all campaign contributions made to an Official of the City of Alpharetta, Georgia in accordance with O.C.G.A. 36-67 A-3.

Signature: [signature] Date: 09-27-22

ALPHARETTA PLANNING COMMISSION REVIEW CRITERIA

How will this proposal be compatible with surrounding properties?

This business will be compatible with existing businesses.

How will this proposal affect the use and value of the surrounding properties? N/A

Can the property be developed for a reasonable economic use as currently zoned? Please explain why or why not.

N/A

What would be the increase to population and traffic if the proposal were approved? No Increase

What would be the impact to schools and utilities if the proposal were approved? None

How is the proposal consistent with the Alpharetta Comprehensive Plan; particularly the Future Land Use Map?

mixed use

Are there existing or changing conditions which affect the development of the property and support the proposed request?

N/A

On a separate sheet or sheets, please provide any information or evidence that supports your request and the statements that you have provided in this application.

CITIZEN PARTICIPATION FORM - PART A

This form must be completed and submitted with the applicant's completed Public Hearing Application. Applications submitted to the City of Alpharetta without a completed Citizen Participation Form - Part A will not be accepted.

Public Hearing or Project Name: Jean-ClaudeSalon

Contact Name: Ana Rocha Telephone: 470-549-1284

The following people will be notified of this application and provided information describing the subject proposal. Please note that ALL adjoining property owners MUST be notified. Use additional pages as needed.

See attach list.

Method by which these individuals will be contacted. Please mark all that apply. *If you select "Other," please provide a description of the method of contact that will be used.*

- [x] Letter
- [ ] Personal Visits
- [ ] Telephone
- [ ] Group Meeting
- [ ] Email
- [ ] Other *(Please Specify)*

Please describe the method(s) by which these individuals will have the opportunity to respond or contact the applicant with questions or concerns about the proposal.

ATLANTA CABLE PARTNERS L P
1 COMCAST CENTER 32ND FL
PHILADELPHIA PA 19103-2838

NUBER MARGARET A
1000 KILMINGTON CT
ALPHARETTA GA 30004

FULTON COUNTY BANK
101 N TRYON ST
CHARLOTTE NC 28255

MENDES BIANCA JOY
1010 KILMINGTON CT
ALPHARETTA GA 30009

BROWN MICHAEL J & BROWN SAMANTHA L
1020 KILMINGTON CT
ALPHARETTA GA 30009

PURE TAQUERIA LLC
103 ROSWELL ST
ALPHARETTA GA 30009

RING BRIAN K
1030 KILMINGTON CT
ALPHARETTA GA 30004

PANEVINA NATALIA S
1040 KILMINGTON CT
ALPHARETTA GA 30009

ALPHA DEVELOPMENT CORP
1048 WINDING BRANCH CT
ATLANTA GA 30338

PERLING PARTNERS LLC
1048 WINDING BRANCH CT
ATLANTA GA 30338

KILMINGTON COURT LLC
10520 TURNER RD
ROSWELL GA 30076

RAJE NEETA
1060 KILMINGTON CT
ALPHARETTA GA 30009

CAMPBELL CHARMAINE
1070 KILMINGTON CT
ALPHARETTA GA 30009

BROCK JUDITH B
1080 KILMINGTON CT
ALPHARETTA GA 30009

TREGO KIMBERLY CANTRELL
11290 HOUZE RD
ROSWELL GA 30076

TPG MAXWELL LLC
11340 LAKEFIELD DR STE 250
DULUTH GA 30097

RENASANT BANK
11655 MEDLOCK BRIDGE RD
DULUTH GA 30097

C & G LAND LLC
11940 ALPHARETTA HWY STE 106
ALPHARETTA GA 30009

TALLANT PROPERTIES LLC
1211 FAIRFAX WAY
ROSWELL GA 30075-7628

SYLVESTER CAMERON L
1226 17TH ST N
SAINT PETERSBURG FL 33713

AVRA LESLIE H
1385 ZEPHYR CT
CUMMING GA 30041-8094

GHADIMI NAVAI SHAHRAM & BUTTERFIELD GARY L
1400 KILMINGTON CT
ALPHARETTA GA 30009

CARTWRIGHT JEANNEA
1405 ROSEMONT PKWY
ROSWELL GA 30076

RUIZ LIDIA
1410 KILMINGTON CT
ALPHARETTA GA 30009

GEBREYESUS ALEMTSEHAY
1420 KILMINGTON CT
ALPHARETTA GA 30009

WHITFIELD LAILA SHAE & DEON STYLES
1430 KILMINGTON CT
ALPHARETTA GA 30009

THOMPSON RICHARD L
14315 WYNDHAM FARMS DR
MILTON GA 30004-3264

GOLABCHIAN ANOOSHEH
1440 KILMINGTON CT
ALPHARETTA GA 30004

VU QUANG
1450 KILMINGTON CT
ALPHARETTA GA 30009

IAN CONRAD ORDWAY LIVING TRUST THE
14738 BIRMINGHAM HWY
ALPHARETTA GA 30004

LEWIS FREEDOM
1495 KILMINGTON CT
ALPHARETTA GA 30009

PATEL JAYMEENI
15 SKYLINE WAY
ATLANTA GA 30307

COLONY PARKS INC
150 BLUE PINE CT # 20682
JASPER GA 30143

NEWSOME BARBARA S & RONALD J
1500 CUMBERLAND CT
ALPHARETTA GA 30009-3120

POOLE SANDRA G
1515 KILMINGTON CT
ALPHARETTA GA 30009

GUDKA ALFRED K
1525 KILMINGTON CT
ALPHARETTA GA 30004

RICHARDS BOYLES FLANDECIA & BOYLES SHERWIN
1535 KILMINGTON CT
ALPHARETTA GA 30009

ELSAYED MANSOUR M & ELKHOLY HOWAIDA M
1545 KILMINGTON CT
ALPHARETTA GA 30009

PRATT SUSANNAH C
1575 KILMINGTON CT
ALPHARETTA GA 30009

HARMON GARY J
1585 KILMINGTON CT
ALPHARETTA GA 30004

BOZE RODNEY M
1595 KILMINGTON CT
ALPHARETTA GA 30004

TIERRA DURA LLC
15955 FREEMANVILLE RD
MILTON GA 30004-2712

SARRAFF VENU
1605 KILMINGTON CT
ALPHARETTA GA 30009

MEYER KIRSTEN S
1615 KILMINGTON CT
ALPHARETTA GA 30004

BAITY SYMPHONY
1625 KILMINGTON CT
ALPHARETTA GA 30009

NEVAREZ GLORIA A
1635 KILMINGTON CT
ALPHARETTA GA 30009

DAVIS ODESSA & FERRIS JOYCELYN ANITA VEDORA
1645 KILMINGTON CT
ALPHARETTA GA 30009

UVALIYEVA GULMIRA
1655 KILMINGTON CT
ALPHARETTA GA 30009

MANISCALCO LOUIS & NEALON HELENA
1675 KILMINGTON CT
ALPHARETTA GA 30009

MYERS BRITT
1685 KILMINGTON CT
ALPHARETTA GA 30009

ZAHRANE CHARIFA
1695 KILMINGTON CT
ALPHARETTA GA 30004

LISS JENNIFER
1705 KILMINGTON CT
ALPHARETTA GA 30009

HARTMAN LENA
1710 KILMINGTON CT
ALPHARETTA GA 30009

CAUSEY CAITLIN
1715 KILMINGTON CT
ALPHARETTA GA 30009

RIGOGLIOSI LENA M
1725 KILMINGTON CT
ALPHARETTA GA 30009

EDISON LEANNE M
1735 KILMINGTON CT
ALPHARETTA GA 30009

AGUIRRE LETICIA
1745 KILMINGTON CT
ALPHARETTA GA 30004

GRBK DEVORE LLC
175 DEVORE RD
ALPHARETTA GA 30009

VARSHAVSKAYA MARGARITA S
1755 KILMINGTON CT
ALPHARETTA GA 30004

SAAVEDRA NICHOLAS & GOLDSTONE CARLY
1765 KILMINGTON CT
ALPHARETTA GA 30009

KAY KENNETH B & MINDI G
1775 KILMINGTON CT
ALPHARETTA GA 30004

HENDERSON JONATHAN B
1795 KILMINGTON CT
ALPHARETTA GA 30009

LEAK JENNIFER SUE
1805 KILMINGTON CT
ALPHARETTA GA 30004

EDMEADE KELVIN & SHERMILLIA
1815 KILMINGTON CT
ALPHARETTA GA 30009

CHOE RONALD
1825 KILMINGTON CT
ALPHARETTA GA 30009

HOLIDAY ENTERTAINMENT LLC
1827 POWERS FERRY RD # 5
ATLANTA GA 30339

THORESEN LINDA D
1835 KILMINGTON CT
ALPHARETTA GA 30009

MITRA BIKASH & DEBRANEE
1845 KILLMINGTON CT
ALPHARETTA GA 30004

DSOUZA SAMANTHA
1855 KILMINGTON CT
ALPHARETTA GA 30009

RAFLA EMAD & ISKANDER DAILA
2000 KILMINGTON SQUARE
ALPHARETTA GA 30004

RICKARD ALLISON
2010 KLIMINGTON SQUARE
ALPHARETTA GA 30004

KAPPEL JACOB A
2015 KILMINGTON SQ
ALPHARETTA GA 30009

LUTZ ELLEN NICOLE & HUSTEDDE ANDREW
2020 KILMINGTON SQ
ALPHARETTA GA 30009

ELMHENSER SAMIRA & RAYAN ALI
2025 LILMINGTON SQ
ALPHARETTA GA 30009

TOLSON CLIPPER CHERI C
2030 KILMINGTON SQ
ALPHARETTA GA 30009

MITYASHOVA MARIA
2035 KILMINGTON SQ
ALPHARETTA GA 30009

CARVALHO ADRIANA R
2040 KILMINGTON SQ N
ALPHARETTA GA 30009

MOHAMMED ABDULMEJED & ABDELLA SEMIRA TEMAM
2045 KILMINGTON SQ
ALPHARETTA GA 30009

CARVALHO ANTONIO & CARVALHO CLEONICE
2055 KILMINGTON CT
ALPHARETTA GA 30009

BATES KARLENA A
2065 KILMINGTON SQUARE
ALPHARETTA GA 30004

KABANKO DANIL O & KABANKO IRINA LUKKONEN
2200 KILMINGTON SQ
ALPHARETTA GA 30009

TURNER JOHN C JR
2210 KILMINGTON SQUARE
ALPHARETTA GA 30004

HALCOMB PHILLIP & BRUDER JANELLE
2215 KILMINGTON SQ
ALPHARETTA GA 30009

SHUKLA SHEELABEN H & HEMANT
2220 KILMINGTON SQ
ALPHARETTA GA 30009

ASRIYAN SERGEY
2225 KILMINGTON SQ
ALPHARETTA GA 30009

HABBASSI MOHAMMED & JABEL NAIMA
2230 KILMINGTON SQ
ALPHARETTA GA 30009

INNISS MARJORIE
2235 KILMINGTON SQ
ALPHARETTA GA 30004

HAIRSTON NATASHA DENISE
2245 KILMINGTON SQUARE
ALPHARETTA GA 30004

FRANCO CHRISTIAN & FRANCO NORMA CONSTANZA
2265 KILMINGTON SQ
ALPHARETTA GA 30009

ACL GROUP LLC
2345 HOPEWELL PLANTATION DR
ALPHARETTA GA 30004

MAMMOTH DETAIL SALON INC
255 S MAIN ST
ALPHARETTA GA 30009

BRIARGATE HOMEOWNERS ASSOC INC
2555 WESTSIDE PKWY #600
ALPHARETTA GA 30004

VORCO 372 LLC
2555 WHISPER WIND CT
ROSWELL GA 30076

MJV MILL LLC
26 MILTON AVE
ALPHARETTA GA 30009

WICKS RONALD S & MARY A
270 S MAIN ST
ALPHARETTA GA 30009

DURGA PROPERTIES LLC
280 S MAIN ST
ALPHARETTA GA 30009

L & L REAL ESTATE INC
282 SOUTH MAIN ST # S-D
ALPHARETTA GA 30004

JENNINGS CENTURY DRIVE LLC
284 S MAIN ST # 900 & 1000
ALPHARETTA GA 30009

CENTURION MANAGEMENT SERVICES LLC
284 S MAIN ST STE 400
ALPHARETTA GA 30009

COLONY PARK INC
284 S MAIN ST STE 400
ALPHARETTA GA 30009

GIGLIA PETER J
284 S MAIN ST STE 800
ALPHARETTA GA 30009

COLONY PARK INC
284 SOUTH MAIN ST # 400
ALPHARETTA GA 30009-1926

COUNTRY MANOR HOMES DEV CORP
284 SOUTH MAIN ST # 600
ALPHARETTA GA 30004

CRABAPPLE LAKES INC
284 SOUTH MAIN ST # 600
ALPHARETTA GA 30201

COLONY PARK INC
284 SOUTH MAIN ST STE 400
ALPHARETTA GA 30009-1926

HFT INVESTMENT HOLDINGS LLC
285 KAREN DR
ALPHARETTA GA 30009

TRIBBLE DONNA E
285 KAREN DR
ALPHARETTA GA 30009

AMANA ACADEMY INC
285 S MAIN ST
ALPHARETTA GA 30009

COUNTRY MANOR HOMES DEVELOPMENT CORP
286 S MAIN ST
ALPHARETTA GA 30009

DOVE JAMES D
292 S. MAIN ST STE 500
ALPHARETTA GA 30009

JPM VENTURES LLC
292 SOUTH MAIN ST
ALPHARETTA GA 30009

JDR HOLDINGS LLLP
292 SOUTH MAIN ST # 200
ALPHARETTA GA 30004

KREIKEMEIER JOHN E & JEAN
292 SOUTH MAIN ST #100
ALPHARETTA GA 30004-1950

BR REAL ESTATE PROPERTIES LLC
2933 PLEASANT HILL RD
DULUTH GA 30096

ROZATI JAMAL & SALARI NAVA
294 KAREN DR
ALPHARETTA GA 30009

HODGSON ENTERPRISES LLC
294 SOUTH MAIN ST # 300
ALPHARETTA GA 30004

COUNTRY MANOR HOMES DEVELOPMENT CORP
296 S MAIN ST
ALPHARETTA GA 30009

LAMP & SHADE CITY LIGHTING LLC
300 S MAIN ST
ALPHARETTA GA 30009

ROZATI JIM & SALARI NAVA
304 KAREN DR
ALPHARETTA GA 30009

NAHSER DONALD P
305 KAREN DR
ALPHARETTA GA 30004-2115

RP DEVELOPMENT LLC
308 S MAIN ST STE 100
ALPHARETTA GA 30004

ROGERS DAVID
314 MAXWELL RD # 100
ALPHARETTA GA 30201

ROGERS DAVID
314 MAXWELL RD # 200
ALPHARETTA GA 30201

DANIELAK MICHAEL W & MARY
314 MAXWELL RD # 300
ALPHARETTA GA 30201

DANIELAK MARY H
314 MAXWELL RD STE 400
ALPHARETTA GA 30201

HARDCASTLE JAMES ROBERT
314 MAXWELL RD STE 500
ALPHARETTA GA 30004

LAMBERT DANNY R
315 KAREN DR
ALPHARETTA GA 30009

COUNTRY MANOR HOMES
DEVELOPMENT CORP
318 MAXWELL RD
ALPHARETTA GA 30004-2070

STEPHENS HAROLD A & PEGGY R
319 CANTON ST
ALPHARETTA GA 30009

SHANNI ELSIE D
320 KAREN DR
ALPHARETTA GA 30004

COUNTRY MANOR HOMES
DEVELOPMENT CORP
320 MAXWELL RD
ALPHARETTA GA 30004-2070

SOURCE CAPITAL INVESTMENTS L L C
330 RHODES CHASE CT
ALPHARETTA GA 30004

FLESHER STEVE R II
336 KAREN DR
ALPHARETTA GA 30009

MC MANUS IMAGINATION STUDIO
INC
350 BRADY PL
ALPHARETTA GA 30004

HAMAYOUN FARNAZ
3593 OLD MAPLE RD
ALPHARETTA GA 30022

SOLARES AMILCAR
370 BRADY PL
ALPHARETTA GA 30004

PETRAKOPOULOS ANGELOS &
CHARLES G
371 JON SCOTT DR
ALPHARETTA GA 30009-2109

BANDARKAR SHAHID SHARIF
3828 SCAMMAN CT
FREMONT CA 94538

PEPE MCRC P II
439 SUTHERLAND PL NE
ATLANTA GA 30307-2330

DOVE JAMES & NENS DIANE
445 FORT BLVD STE 210
PITTSBURGH PA 15219

GBADAMOSI FAMILY TRUST THE
449 LAURIAN WAY NW
KENNESAW GA 30144

JAVIDTAJRISHI SOHLIA & ASGARI JALAL
4750 WEST FOREST PEAK
MARIETTA GA 30066

VLAHIOTIS JOHN & SOFIA
5310 HUNTERS OAK DR
ALPHARETTA GA 30201-1463

GARMON JOY E
5336 AMBER COVE WAY
FLOWERY BRANCH GA 30542

MADDOX RANDALL C & MONIQUE S
5435 TALLANTWORTH TRL
CUMMING GA 30040

BOUND UPWARD LLC
60 LAKESHORE DR
DULUTH GA 30096

CABLE ATLANTA LIMITED
600 CONGRESS AVE
AUSTIN TX 78701-3238

ST JAMES TRUST
6435 COLEBRIDGE RD
ATLANTA GA 30328

AEP ENTERPRISES LLC
6845 SHILOH RD E STE D 3
ALPHARETTA GA 30005

VILLA MAGNOLIA LLC
6845 SHILOH RD E STE D3
ALPHARETTA GA 30005

HODGSON PAM
7441 BATES DR
CUMMING GA 30040

STAPLER ALTON E & MARY F
P O BOX 109
ALPHARETTA GA 30009

MUGERWA SARAH N
P O BOX 6533
SILVER SPRING MD 20916-6533

J & J PROPERTIES INC
P.O. BOX 22147
KNOXVILLE TN 37933

KARTOS JOHN L
P.O. BOX 22147
KNOXVILLE TN 37933

JMA HOMES ONE SIXTY LLC
PO BOX 768731
ROSWELL GA 30076

2706 Benson Drive

Marietta, GA 30062.

September 29, 2022.

Ana K. Rocha

Owner.

Jean Claude Salon.

312 Maxell Road. Suite 500

Alpharetta, Georgia. 30062.

To whom it May Concern:

I am writing this letter with the intent to open a business whose name will be Jean-Claude Salon and will be located at 312 Maxwell Road Suite 500. Alpharetta, GA 30009. in a 1,100 S/F.on the back of the building ground floor with access to wheelchairs.

We would like to open a minority and female-owned and operated professional image and hair consultant business on the premises targeting mid to upper socioeconomic clients while we are offering cutting and styling services on an appointment basis. We will not offer walk-up or waiting services, thus minimizing foot traffic to those with appointments.

HOURS OF OPERATION: 9:00 AM. - 5:00 PM. MONDAY - SUNDAY.

SERVICES PROVIDED

Free Consultation.

Haircuts $40.00

Senior Citizens $22.00

Cleaning and beard trim.....$15.00

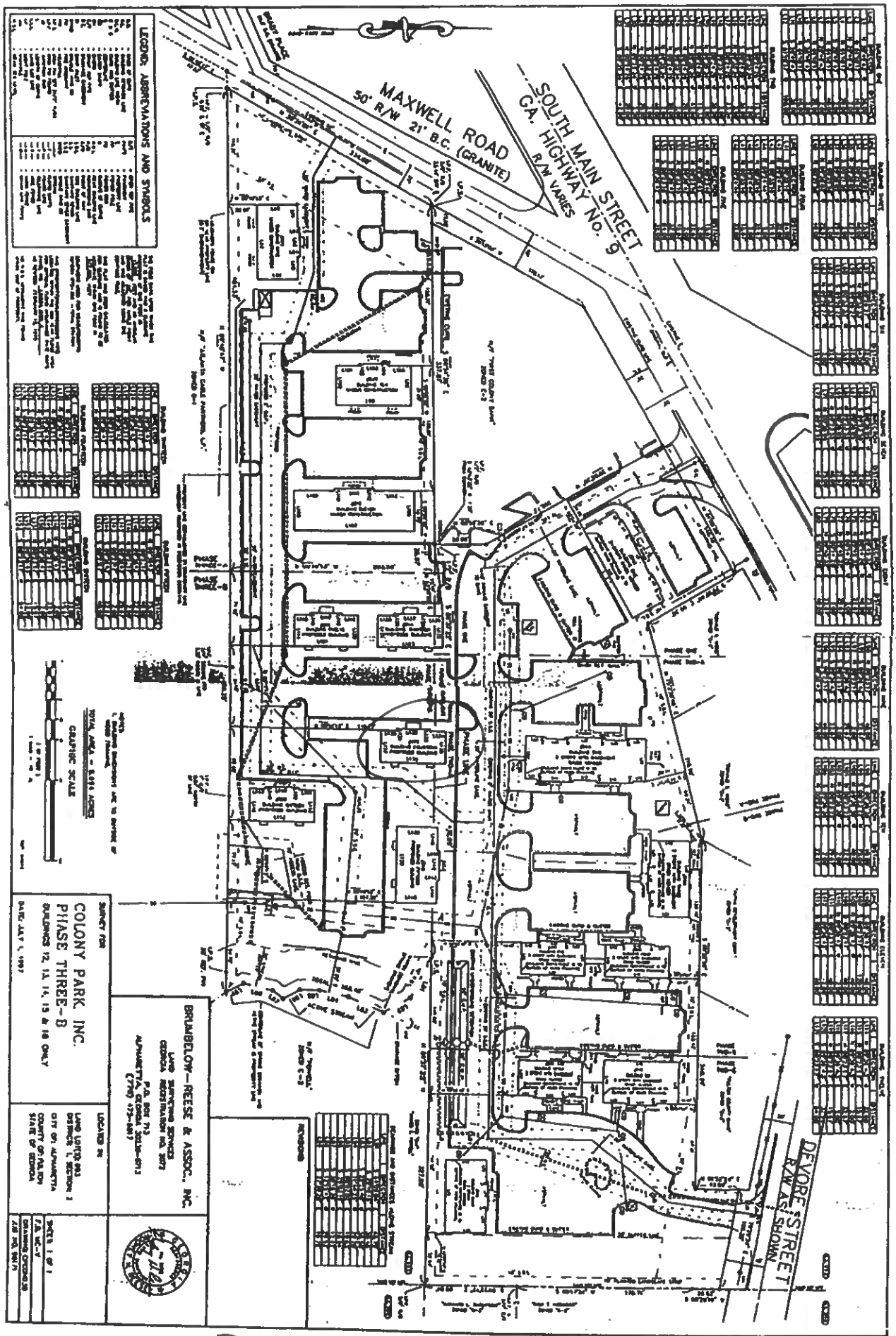
(All services include a hot towel)

The most important part of this service is the attention that we provide to our clients targeting senior citizens and people with disabilities so they can feel comfortable, and relaxed because they know they are in great hands. That is the pleasant experience with love and compassion that we facilitate to our clients and their happy smiles and motivated looks after the service is completed is our unprice fulfillment.

Having an 86-year-old father who is 37 years of veteran and knowing that he will be with me for just some more time with God's willing makes me realize the respect, love, and compassion that senior citizens deserve after all we have learned from people before as. Professional personnel with a licensed Master of cosmetology will be conducting the services including myself. Almost all my 5-star reviews in my career were done by senior citizens gratitudes who have motivated me to love my job. Thank you.

Sincerely,

Ana K. Rocha.



312 MAXWELL RD
SUITE 500
ALPHARETTA GA 30009
COLONY PARK OFFICES

No CO140177

Georgia State Board of Cosmetology and Barbers

Master Cosmetologist

This is to certify that

Ana Karina Vakili

having given satisfactory evidence of the necessary qualifications as required by the beorgia State Board of Cosmetology and Barbers approved on the 1st day of July, 2015 has been duly licensed as a

MASTER COSMETOLOGIST

IN THE STATE OF GEORGIA

IN WITNESS WHEREOF, *we have hereunto subscribed our names and affixed the Seal of the Georgia State Board of Cosmetology and Barbers this 26th day of March 2021 A.D.*

Kay Kendrick
BOARD CHAIR

Brad Raffensperger
SECRETARY OF STATE

DIVISION DIRECTOR

CITY COUNCIL MEETING
STAFF REPORT

SUBMITTING DEPARTMENT: COMMUNITY DEVELOPMENT
SUBMITTED BY: KATHI COOK
DRAFTED BY: MICHAEL WOODMAN
CITY COUNCIL SPONSOR: STAFF INITIATED

I. **AGENDA ITEM TITLE:** PH-22-15 UNIFIED DEVELOPMENT CODE TEXT AMENDMENTS – TREE CONSERVATION
CITY COUNCIL: DECEMBER 12, 2022

This item was considered at the 12/1/2022 Planning Commission meeting. There were no public comments. After discussion, Planning Commission recommended approval. Vote 6-0

II. REPORT IN BRIEF:

Consideration of text amendments to Unified Development Code (UDC) Subsection 3.2.8 Tree Replanting, Buffer, and Landscape Standards, to require that specimen trees and trees of quality in building setbacks along certain roads in the Downtown be conserved.

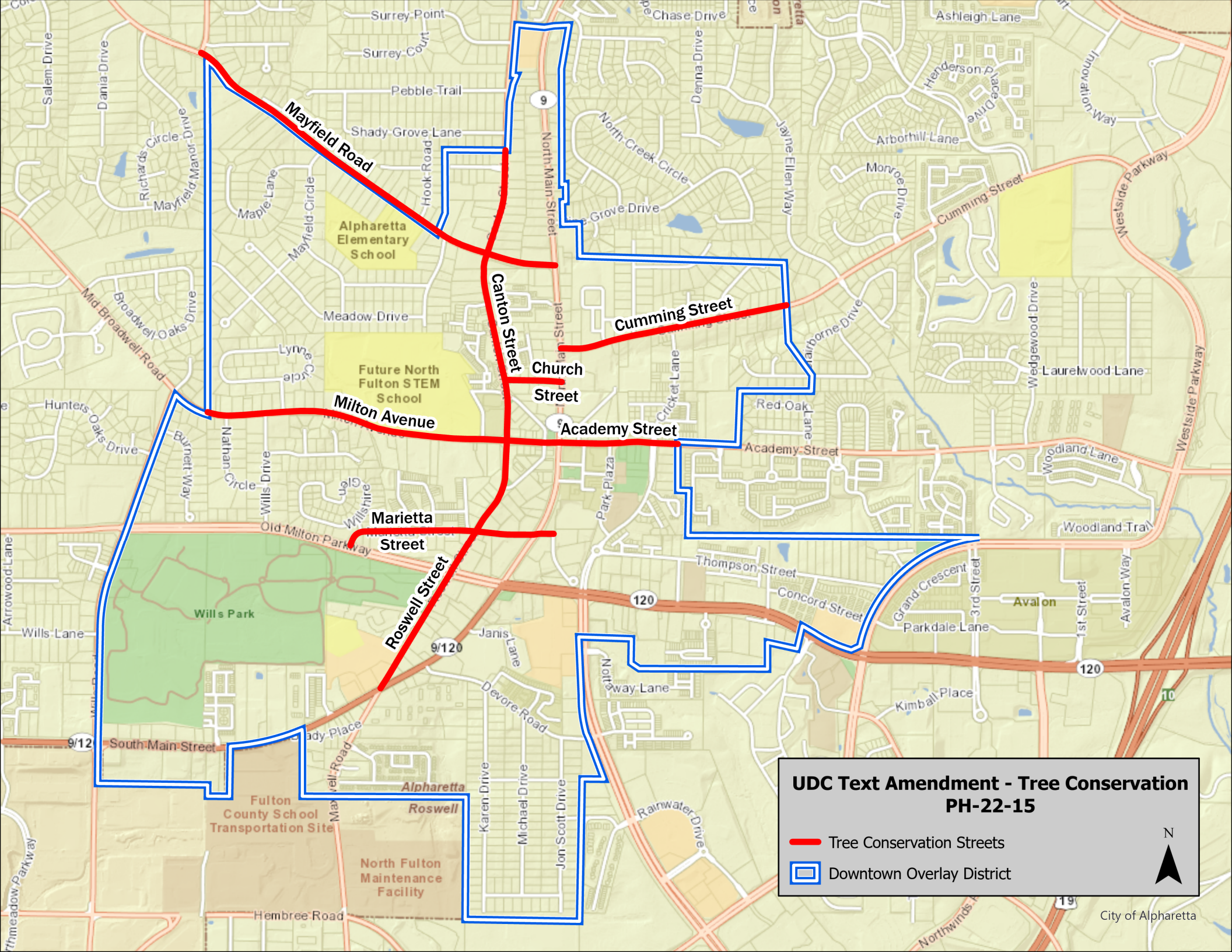
DISCUSSION

In order to preserve the character and existing tree canopy in the Downtown District, Staff proposes that specimen trees and trees of quality located in front building setbacks along certain streets in the Downtown be conserved. The following streets have been identified for tree conservation:

- Academy Street
- Canton Street
- Church Street
- Cumming Street
- Marietta Street
- Mayfield Road
- Milton Avenue
- Roswell Street

III. ATTACHMENTS:

- Map
- Edits
- Ordinance


UDC Text Amendment - Tree Conservation
PH-22-15
Tree Conservation Streets
Downtown Overlay District
N
City of Alpharetta
Mayfield Road
Canton Street
Cumming Street
Church Street
Milton Avenue
Academy Street
Marietta Street
Roswell Street
Alpharetta Elementary School
Future North Fulton STEM School
Wills Park
Fulton County School Transportation Site
North Fulton Maintenance Facility
Alpharetta
Roswell
Avalon
Surrey Point
Surrey Court
Pebble Trail
Shady Grove Lane
Meadow Drive
Hook Road
North Main Street
Chase Drive
Ashleigh Lane
Henderson Place Drive
Innovation Way
Arborhill Lane
Monroe Drive
Cumming Street
Westside Parkway
North Creek Circle
Jayne Ellen Way
Denna Drive
Grove Drive
Salem Drive
Dania Drive
Richards Circle
Mayfield Manor Drive
Maple Lane
Mayfield Circle
Broadwell Oaks Drive
Mid Broadwell Road
Lynne Circle
Hunters Oaks Drive
Burnett Way
Nathan Circle
Wills Drive
Willshire
Old Milton Parkway
Park Plaza
Cricket Lane
Red Oak Lane
Mairborne Drive
Wedgewood Drive
Laurelwood Lane
Woodland Lane
Woodland Trail
Thompson Street
Concord Street
Grand Crescent
3rd Street
1st Street
Avalon Way
Parkdale Lane
Kimball Place
Arrowood Lane
Wills Lane
Janis Lane
Devore Road
Nottaway Lane
South Main Street
Maxwell Road
Karen Drive
Michael Drive
Jon Scott Drive
Rainwater Drive
Hembree Road
Northwinds
9
9/120
120
10
19

SECTION 3.2 TREE CONSERVATION, LANDSCAPE, AND BUFFER REQUIREMENTS[1]

3.2.1 General.

In order to maintain and promote the public health, safety and welfare, the City has established regulations governing the conservation, planting, and replacement of trees. The importance of trees is recognized for their contribution toward quality of life, visual quality of the city, and improved property values. It is the City's intent to prevent the indiscriminate removal of trees without denying the reasonable use and enjoyment of real property. It is also the intent of these regulations that all applicable sites within the City maintain or obtain minimum tree density, as defined herein. Consistent with the expressed purpose of these regulations, all persons shall make reasonable efforts to protect and retain certain existing, self-supporting trees as defined herein. Each person shall be responsible for the normal care of trees located on its premises.

A. Willful injury or disfigurement of any tree growing within the City shall be a violation of this Ordinance.

B. No person shall:

1. Attach any sign, notice or other object to any tree or fasten wires, cables, nails or screws to any tree in a manner that could prove harmful to the tree.
2. Pour any material on any tree or on nearby ground which could be harmful to the tree.
3. Cause or encourage any unnecessary fire or burning near or around any tree.
4. Construct a concrete, asphalt, brick or gravel sidewalk, significantly compact the soil, place fill material, or create other impervious or semi-impervious surfaces around any tree so as to cut off air, light or water from the roots of the tree so as to adversely impact the tree's root system.
5. Pile building material or equipment around any tree so as to cause injury thereto.
6. Deny routine maintenance, watering and reasonable arboricultural care to existing and newly established trees as may be required as a result of activities taking place under this Section.
7. Remove any tree without Permit.
8. Remove or prune a tree on commercial property during non-development activity unless they follow ISA industry standard protocols for pruning or have written approval from the Director.
9. Park any vehicle on the unpaved area underneath existing tree canopies.

(Ord. No. 739 , 5-1-2017)

3.2.2 Definitions.

For the purposes of this Section, unless the context indicates otherwise, the following terms shall have the meaning set forth below:

Boundary Tree. Any tree located on adjacent property with a critical root zone that will be impacted by proposed land disturbance activity.

[1]Editor's note(s)—Ord. No. 739 , adopted May 1, 2017, amended Section 3.2 in its entirety to read as herein set out. Former Section 3.2, Subsections 3.2.1—3.2.19, pertained to tree protection, and derived from the original codification.

Buffer. An area required to remain undisturbed or replanted where existing vegetation is sparse, as determined by the director.

Caliper. A standard of trunk measurement for replacement trees. Caliper inches are measured at the height of 6 inches above the ground for trees up to and including 4 inch caliper and 12 inches above the ground for trees larger than 4 inch caliper.

Conifer Tree. Any tree with needle leaves and a woody cone fruit including, but not limited to, pine, juniper and cedar species.

Critical Root Zone (CRZ). The minimum area beneath a tree which must be left undisturbed in order to preserve a sufficient root mass to give a tree a reasonable chance of survival. The Critical Root Zone will typically be represented by a concentric circle centering on the tree's trunk with a radius equal in feet to one and three-tenths times the number of inches of the trunk diameter. EXAMPLE: The CRZ radius of a twenty (20) inch diameter tree is twenty-six (26) feet.

Dead Tree. Any standing tree which is no longer alive or has the ability to sustain itself through natural processes as determined by a qualified professional.

Development Activity. Any alteration of the natural environment, which requires the approval of a development or site plan and issuance of a Land Disturbance Permit. Development Activity shall also include the "thinning" or removal of trees from land in conjunction with a forest management program, the removal or destruction of trees incidental to the development of land or to the marketing of land for development, the removal or destruction of trees in conjunction with any grading activity, including the removal or filling (stockpiling) of soil, and logging or the removal of trees not in conjunction with an ongoing forest management program. Nothing in this definition shall be deemed to require or authorize the issuance of a permit for any activity described herein.

Diameter Breast-Height (DBH). The standard measure of tree size (for trees existing on a site). The tree trunk is measured at a height of 4½ feet above the ground. If a tree splits into multiple trunks below 4½ feet, the trunk is measured at its most narrow point beneath the split.

Director. The Director of Community Development or designee shall administer and enforce the provisions of this Ordinance; provided, however, that a designee shall have no authority to revoke permits.

Georgia 400 Tree Protection Zone. All property within a horizontal distance of 120 feet of the right-of-way of Georgia 400. At major intersections on Georgia 400 having exit and/or entrance ramps the protection zone shall be reduced to 60 feet. The reduction shall apply for the length of each such ramp. The Georgia 400 Tree Protection Zone is a Buffer.

Grading Activity. Altering ground surfaces to specified elevations, dimensions and/or slopes; this includes stripping, cutting, filling, stockpiling and shaping or any combination thereof and shall include the land in its cut or filled condition.

Guidance Document. A document maintained by the City of Alpharetta Arborist that includes clarifications to requirements with examples and additional technical standards about tree protection, tree planting, species selection, and other information relevant to the protection and replanting of trees in the City of Alpharetta. The document may be revised by the City Arborist as conditions and technical standards evolve.

Hardwood Tree. Any tree that is not coniferous (cone bearing). This definition is based on the colloquialism, and does not necessarily reflect any true qualities of the tree.

International Society of Arboriculture (ISA). A professional organization that promotes the professional practice of arboriculture, sets standards for obtaining professional credentials for arborist, and establishes best practices for tree care, pruning, and protection.

Land Disturbance Permit. A permit issued by the City that authorizes Development Activity and includes, but is not limited to, Soil Erosion Protection, clearing and grubbing, land disturbance and building construction.

Landscape Strip. A portion of a lot required to be reserved for, installed with, and maintained with vegetation. Such a strip may or may not be required to be of a linear form. No utilities or parking shall be allowed within a required landscape strip.

Landscape Tree. A tree or trees that were planted or retained on a developed or previously developed site.

Lot Building Area. The area of a lot encompassed by front sides and rear yard setbacks or building line as required by City Ordinance and Subdivision Regulations.

Mass Grading. The grading within existing or across proposed property lines including the removal of trees and disturbance of soils in order to prepare a site for construction where buildings are not approved.

Mulch. An organic material spread around the base of a plant or on a plant bed to enrich and insulate the soil. Types of mulch include Pine Straw, Shredded Hardwood, Wood Chips, and Bark Chips. Mulch should be free of disease and pests. Synthetic or artificial mulches are not acceptable for use in the City of Alpharetta.

Non-Development Activity. Any alteration of the natural environment which does not require development or site plan approval, but which would include the proposed removal or destruction of any tree(s). Any removal of trees that constitutes Development Activity as that term is herein defined shall not constitute non-development activity.

Ornamental Tree.A tree that provides a visual impact in the landscape. The impact may be provided through form, bark, branching structure, leaf color, and/or flower color. Typically a small or medium size tree.

Overstory Tree. Those trees that compose the top layer or canopy of vegetation and will generally reach a mature height greater than 40 feet and typically have a spreading canopy.

Permit (Tree Removal Permit). An official Permit for tree removal issued by the City of Alpharetta.

Pervious Surface. All that area of land that can be landscaped or planted, allows natural passage through by water, and is not covered by man-made materials or structures such as buildings or paving.

Pine Tree. An evergreen coniferous tree that has clusters of needle-shaped leaves.

Plantable Area. The pervious surface area available for the preservation or planting of trees. Plantable Area shall not include that portion of the lot that is covered by buildings and structures permitted pursuant to the maximum lot coverage standards of this Ordinance.

Planted Area. An area of living plant material created for the purpose of establishing open space and consisting of a minimum of 50% of the area devoted to trees and shrubs.

Pruning (Tree Pruning).To cut away dead, overgrown, or undesirable branches or stems. Pruning of trees to be done in compliance with standard arboricultural practices as outlined in ANSI A300 and shall maintain the trees natural form and structure.

Qualified Professional. An International Society of Arboriculture (ISA) Certified Arborist, an American Society of Consulting Arborists (ASCA) Registered Consulting Arborist, or a Registered Forester.

Recompense. Replacement of trees or payment into the City held tree fund for the removal of Specimen Trees.

Replacement Planting. The planting of trees on a site that before development had more trees, and after development shall have less trees per acre.

Responsible Party. Any individual, firm, principal, or other entity who is a signatory to a Tree Removal Permit Application or Land Disturbance Permit for Development Activity or any person or company caught in the act of tree removal without a City-issued permit, or who violates any other provision of this Ordinance.

Shade Tree. Any tree that has a spreading canopy that provides partial to full shade to the ground with a minimum height of 20 feet.

Semi-Pervious. Hardscape, aggregate or porous paver that allows at least fifty percent (50%) of surface water to pass through the manmade material and into the underlying soil.

Softwood Tree. Any coniferous (cone bearing) tree. This definition is based on the colloquialism, and does not necessarily reflect any true qualities of the tree.

Specimen Tree. Any tree which qualifies for special consideration for preservation due to its size, type, condition, location or historical significance and which also meets the minimum size criteria set forth below.

Size Criteria:

Pine Trees:	30-inch diameter or larger for trees in the Pinus (Pine) genus.
Coniferous Trees:	20" diameter or larger for trees in the cedrus (deodar cedar), Thuja (Arborvitae), or other ecologically similar trees,
Overstory Trees:	30-inch diameter or larger for trees in the Liquidambar (Sweetgum) or Liriodendron (Tulip poplar) genus
	20-inch diameter or larger for trees in the Fagus (Beech), Nyssa (Tupelo), Diospyros (Persimmon), Sassafras (Sassafras), or other ecologically similar trees
	20-inch diameter or larger for Magnolia grandiflora (Southern magnolia) and those cultivars that generally reach a mature height over 40'
	24-inch (24”) diameter or larger for trees in all other genera
Understory Trees:	8-inch (8”) diameter or larger.
	10-inch (10") diameter or larger for Oxydendron arboretum (Sourwood).

See additional requirements for Specimen Trees in "The Guidance Document."

Street/Streetscape Tree. Any tree located or proposed to be located along a public or private street. The actual location will be determined by the specific zoning district or overlay. In situations where there is limited planting space in the right-of-way and or safety concerns, street trees may be located at the back of the sidewalk or within the landscape strip on private property and the discretion of the Director.

Structural Root Plate. The zone of rapid root taper that provides the tree stability against wind throw. The radius of the structural root plate is equal to 0.5 feet per inch of DBH.

Timber Harvest. Harvesting of timber from sites as a timber management activity as part of a demonstrated ongoing agricultural land use.

Tree. Any living, self-supporting woody or fibrous plant which normally obtains a diameter breast height of at least three (3) inches, and typically has one (1) main stem or trunk and many branches.

Tree Care Plan. A plan developed to provide an impacted tree the best possible chance of survival. A tree care plan should be prepared by a qualified professional and conform to the requirements of ANSI A300 and the Guidance Document

Tree Density. A measurement of trees on a property, expressed as inches per acre. For existing trees density is calculated based on DBH. For proposed trees tree density is calculated based on the caliper.

Tree Grouping. A community of trees as determined by the Director to merit special consideration as an ecological feature based upon species composition, form, structure, age, and condition. Specimen trees and trees of quality may be included in tree groupings and every alternative should be evaluated to save these trees. Except as otherwise provided in Section 3.2., Tree Groupings will be treated as specimen trees for preservation credits and every alternative should be evaluated to save these trees.

Tree of Quality. A tree that merits special consideration due to historical significance, ideal shape and structure, or uniqueness of the species as determined by the Director. Except as otherwise provided in Section 3.2., Trees of Quality will be treated as specimen trees for preservation credits and every alternative should be evaluated to save these trees.

Tree Removal or Removal of Trees. Removal of trees through an act of cutting down a tree or any act which causes a tree to die within 2 years after commission of the act or impedes the ability of the tree to sustain itself, including but not limited to damage inflicted upon the root system, trunk, or canopy as a result of:

1. The improper use of machinery on the trees;
2. The storage of materials in or around the trees;
3. Soil compaction;
4. Altering the natural grade to expose the roots or to cover the tree's root system with more than 4 inches of soil;
5. Causing the infection or infestation of the tree by pests, fungus or harmful bacteria;
6. Pruning judged to be excessive by the Director or not in accordance with the standard set forth by the International Society of Arboriculture (ISA);
7. Paving with concrete, asphalt or other impervious surface within such proximity as to be harmful to the tree or its root system; and
8. Application of herbicides or defoliants to any tree without first obtaining a permit.

Tree Planting List. List of preferred tree species for use in the City of Alpharetta. Species not included on this list may be approved at the discretion of the Director. The Tree Planting List is included in the Arborist Guidance Document.

Tree Protection Area. An area encompassing the critical root zone of a tree that shall remain in an a pervious state.

Tree Save Area. An area designated for the purpose of meeting tree density requirements, saving natural trees, and/or preserving natural buffers that shall remain in a pervious state.

Understory Trees. Those trees that grow beneath the overstory, and will generally reach a mature height less than 40 feet. Understory trees may include coniferous trees that meet these same height characteristics.

Zoning Districts. Those areas as defined in the Zoning Ordinance and shown on the Zoning Map.

(Ord. No. 739 , 5-1-2017; Ord. No. 749 , § 4, 9-18-2017; Ord. No. 769 , § 1, 11-12-2018)

3.2.3 Exemptions.

A. The following shall be exempt from the provisions of this section:

1. The removal of trees with a Permit.
2. The removal of trees from horticultural properties such as farms, nurseries or orchards. This exception shall not be interpreted to include timber harvesting incidental to development of the land;
3. The necessary removal of trees by a utility company within dedicated utility easements;
4. The removal of trees on public rights-of-way conducted by, on behalf of, or any activity pursuant to work to be dedicated to, a federal, state, county, municipal or other governmental agency in pursuance of its lawful activities or functions in the construction or improvement of public rights-of-way;

5. The removal of trees from lakes and detention ponds, and drainage easements, unless specifically planted to be part of the stormwater system; or

6. The removal of any tree which is dead or has become or threatens to become a danger to human life or property;

B. Notwithstanding the foregoing, all reasonable efforts shall be made to save specimen trees and trees of quality, and tree groupings.

C. Nothing in this section shall be deemed to authorize, directly or indirectly, the removal of a tree from the Georgia 400 Tree Protection Zone or any buffer.

(Ord. No. 739 , 5-1-2017)

3.2.4 Permit required for non-development activity (activity which does not require a building permit, etc.).

A. Except for routine or seasonal pruning or transplanting of trees, and except as exempted, no person shall engage in any Non-Development Activity as defined without first obtaining a permit. The request for a permit shall be submitted to the Director in the form of a tree removal permit application through the City process and shall include:

1. The reason for the proposed work

2. Either a site sketch or photograph of the tree(s) proposed to be removed, identifying such tree(s) by size and species.

3. Specimen Trees shall only be approved for removal if they are in declining health or as approved by the Director. If a request includes a Specimen Tree, the applicant shall provide a risk assessment or similar report, following currently accepted industry standards and protocols, prepared by a qualified professional outlining the condition of the trees and associated risks.

If the request for a permit is complete, complies with the Ordinance, and requests tree removal for one of the purposes identified in Paragraph B below, the Director shall issue a permit no later than ten (10) working days from receipt and shall inform applicant if replanting will be required. If the request is incomplete or denied, the Director shall notify applicant in writing regarding the specific reason for denial.

B. The Director shall issue a permit for the following:

1. The removal of dead, substantially injured, damaged or diseased trees;

2. The removal of any non-specimen tree, provided the tree is not a required landscape strip tree, buffer tree, or other code required trees and that the applicable minimum tree density requirement is maintained.

3. The removal of any specimen tree, landscape strip tree, buffer tree or other code required tree with a replanting agreement approved by the director.

(Ord. No. 739 , 5-1-2017)

3.2.5 Land disturbance permit for development activity.

A. No person shall engage in a Development Activity and no Land Disturbance Permit shall be issued without first obtaining an approved site plan stamped and signed by the Director.

1. Trees and/or soils shall not be disturbed or removed in order to pad grade or mass-grade a site unless building construction is imminent. In order to be imminent, proposed buildings shall require approval.

B. Except as provided in Section 3.2.4 and Paragraph (c) of this subsection, no tree removal shall be approved for any site not under active development. For the purposes of this Ordinance, a site is not under active development unless there exists an approved development plan delineating the improvements to be constructed on the site consistent with the use for which the site is zoned, and there is a reasonable certainty that construction is imminent.

C. A Land Disturbance Permit may be issued for Grading Activity on a site not under active development provided that:

1. The sole purpose of the Grading Activity is for the storage, removal or altering of soil for fill balancing on another site under active development;

2. The site not under active development must be under common ownership or common development control with the site that is under active development;

3. The site not under active development must be contiguous to, or located within one (1) mile of, the site under active development. For the purposes of this Section, the measurement of distances shall be from property line to property line along the most direct route of travel on a public road;

4. The proposed Grading Activity shall not result in the damage or removal of more than ten percent (10%) of the total tree density (inches per acre) on the site not under active development;

5. The proposed Grading Activity shall not decrease the tree density below the minimum inches per acre required for the site. For the purposes of this Section, trees in Buffers that will be required shall be excluded from minimum density calculations;

6. The area to be disturbed within the site shall be the area that will have the least adverse impact on existing trees, Specimen Trees, Trees of Quality, and Groupings of Trees as determined by the Director. In addition, the area must be visually screened from public or private roads and drives, developed residential and commercial properties, by a one hundred foot (100') buffer or a buffer of sufficient depth to provide reasonable visual screening. In order to provide reasonable visual screening, it may be necessary to locate access roads to the impacted area in a winding manner to prevent a straight line of site to the impacted area; and

7. The disturbed area within the site shall be replanted with trees to a tree density of 130 inches per acre no later than eighteen (18) months from the issuance of the Land Disturbance Permit authorizing the Grading Activities. A tree replacement plan and a bond shall be submitted and approved by the Director prior to the issuance of the permit authorizing the Grading Activities. The completion bond shall be held until the planting is complete and at that time transfer to an eighteen (18) month maintenance bond to ensure survival of the replacement trees. The applicant shall be responsible for the irrigation (watering) of trees during the period of the bonds. The replanting requirements of this Section shall not apply, and the initial bond shall be released, if, on or before fifteen (15) months from the issuance of the permit authorizing the Grading Activity, the site becomes under active development pursuant to the issuance of a Land Disturbance Permit and the approval of development plans in compliance with the provisions of this Ordinance.

D. Nothing in this Section shall be deemed to authorize any Grading Activity or similar activity not otherwise in compliance with the Land Subdivision Regulations of the City of Alpharetta, including, the Soil and Sedimentation Control Ordinance. Further, nothing in this Section shall be deemed to eliminate the requirement that all reasonable efforts must be taken to save and not adversely impact the Critical Root Zones of Specimen Trees, trees of quality, and tree groupings and that all applicable sites from the City shall maintain or obtain the minimum tree density required by this Ordinance.

(Ord. No. 739 , 5-1-2017; Ord. No. 769 , § 2, 11-12-2018)

3.2.6 Application requirements.

A. When a person applies for a Land Disturbance Permit as defined herein, such person shall provide the following information:

1. A complete tree survey and inventory, which shall contain the following information:

    a. All Specimen Trees, Trees of Quality, Tree Groupings, Landscape Trees, and Boundary Trees on the site and within 30 feet of the limits of disturbance; with an indication whether they are to be retained or removed;

    b. All trees that are to be counted toward the tree density requirement greater than 2" DBH, including size (Caliper or DBH) and species. Sampling methods may be used to determine tree densities for forested areas (over 5 acres) that are to be preserved. Sampling methods must conform to industry standards and protocols and be no less than a 10% sample;

    c. Tree Protection Zones and Tree Save Areas must be delineated on the plan;

    d. All buffers with existing trees to be delineated on plans as Tree Save Areas. Land Disturbance within any Buffer is subject to Director approval;

    e. The tree survey and inventory shall be a to-scale map or a site plan prepared and sealed by a registered surveyor.

2. An integrated site plan showing Specimen Trees, Trees of Quality, Tree Groupings, Boundary Trees, the trees to be saved and those to be removed, existing utilities and those to be installed, grading, the approximate location of all structures, driveways and curb cuts and all proposed tree plantings and other landscaping. It is required that all reasonable efforts be made to save Specimen trees, Trees of Quality, Tree Groupings. (Reasonable efforts shall include, but not be limited to, alternate building design, building location, parking area layout, parking area location, stormwater BMP locations and the like).

    a. If a Specimen Tree, Tree of Quality, or Tree Grouping cannot be saved a hardship justification in the form of a letter shall be submitted to the Director for review and approval and be included within the plan set;

    b. If a Boundary Tree cannot be saved or results in an encroachment into the Critical Root Zone of greater than 10%, evidence of notification to the owner of the tree will be required to be provided to the Director. This notification shall generally include the current condition of the tree, % encroachment, potential outcomes of the encroachment, and proposed tree care to offset the encroachment. In no way does this authorize any encroachment into the Structural Root Plate of a Boundary Tree.

3. A detailed plan to protect and preserve landscaping and trees before, during and for a period of two (2) years after construction, which shall contain the following information:

    a. All items found on the Arborist Checklist located in the Arborist Guidance Document;

    b. Existing roads, utility lines, drainage and detention facilities, and other pertinent items in the vicinity of the site.

    c. The locations of existing and proposed structures, paving, driveways, cut and fill areas, detention areas, etc.

    d. Phase lines or limits of construction;

    e. A delineation of all protected zones with any required dimensions;

f. Calculations showing compliance with the required Tree Density and Recompense per section 3.2.7

g. Locations of all existing and proposed utility lines and easements;

h. Locations of any boring sites for underground utilities;

i. Locations of all Specimen Trees, Trees of Quality, Groupings of Trees, Landscape Trees and Boundary Trees and indications whether they are to be removed or preserved;

j. Locations of all tree protection devices, materials to be used in each location and details;

k. A delineation of tree save areas in which trees have been inventoried for density calculations;

l. If applicable, locations and details of all permanent tree protection measures (tree wells, aeration systems, permeable paving, retaining walls, bollards, etc.); and

m. A tree care plan developed by a Qualified Professional designed specifically for each tree to be saved that warrants care due to the changes in site conditions or as approved by the Director. The tree care plan shall be prepaid prior to issuance of the land disturbance permit and a paid invoice provided to the City. In the event of a change in ownership, arrangements must be made to allow access for the tree care to continue throughout the required timeframe.

n. A full landscape plan meeting all of the requirements of this Section including tree density, recompense, landscape strip, parking lot tree coverage and screening, groundcover, hardscapes, etc. The landscape plan submitted shall be the one that is expected to be planted. Permit only plans will not be accepted by the Director.

o. Additional information as required on a case-by-case basis.

The above items may be integrated into the normal application requirements and submittals.

B. Minor additions to existing development require only a sketch showing changes to be submitted to the Director for review and approval.

(Ord. No. 739 , 5-1-2017)

3.2.7 Minimum tree density and recompense requirements.

The intent and goal of these regulations is to insure that a minimum density of trees is maintained on all developed sites and that a significant amount of tree canopy coverage and pervious soil area is maintained throughout the City. The density requirement must be met whether or not a property or site had trees prior to development or any tree removal. The density may be achieved by counting existing trees 2" in diameter or greater to be preserved, planting new trees in accordance with the minimum standards of this Section, or some combination of the two. Vegetated runoff reduction measures which include trees also count toward the tree density requirement. Minimum tree density shall be calculated and established pursuant to the formula and analysis set forth in the Guidance Document.

A. All sites within the City other than 'For-Sale' residential lots shall maintain or achieve a Minimum Tree Density of 130 inches per acre. The owner shall be subject to the minimum tree density requirement set forth in this paragraph, but the owner shall base the density calculations on the net site area excluding the acreage required for Buffers and infrastructure improvements (roads, utility lines, detention ponds, etc.). In no event shall a parking lot be considered an infrastructure improvement.

B. All 'For-Sale' residential lots in the City shall maintain a minimum tree density of 130 inches per acre or provide a calculation as described in the Guidance Document that shows the lot meets or exceeds a 30% canopy coverage based upon trees growing within the property lines. For new construction or new plantings this calculation may be based upon the mature spread of the newly planted trees at 20 years

after planting. If replacement planting is required on a 'For-Sale' residential lot, it is encouraged to provide at a minimum a two-inch (2") caliper tree or larger in the lawn area in the front yard or landscape strip if space allows.

C. Owners shall receive a density credit of two (2) times the inches for each Specimen Tree saved by utilizing an alternate design during development. Specimen trees that cannot be saved must be replaced with recompense plantings equal to three (3) times the DBH of the tree(s) removed. Recompense trees shall be a minimum of four-inch (4") caliper at time of planting. Trees of Quality or Tree Groupings shall receive a density credit of one (1) times the inches for each tree saved. Specimen Trees removed without prior approval shall be subject to the recompense replanting requirements as described in section 3.2.10 Tree Damage and subject to the applicable penalties as described in Section 3.2.17.

D. An owner may request a reduction in recompense plantings, which may be granted at the discretion of the Director. The reduction shall be calculated considering Specimen Trees, Trees of Quality or Tree Groupings and other landscape amenities that are incorporated into the site plan utilizing an approved alternative design.

E. In the event that Specimen Tree Recompense cannot be achieved through planting on the subject property, two alternative methods of compliance may, at the discretion of the Director, be approved: planting at a location remote from the project site; or, a recompense payment to the City of Alpharetta Tree Replacement Fund. The following standards have been established for administering these alternative recompense methods.

1. The director must review and approve all requests for alternative recompense. In no instance shall 100% of the required recompense be met through these alternative methods. As many trees as can reasonably be expected to survive and thrive must be planted on the subject property. No permit shall be issued until the Director has approved the request and received the necessary documentation and/or funds.

2. If trees are to be planted at another location, the off-site location should be in the same area of the City as the project site and a tree replacement plan meeting all applicable standards must be provided by the owner and reviewed and approved by the City Arborist. If tree planting is proposed on City property all specifications for such planting shall be met as determined by the Director of Public Works or the Director of Recreation and Parks. A completion bond in the amount of 100% of the installation and materials cost shall be provided prior to issuance of any land disturbance permit.

3. If a recompense payment to the City of Alpharetta Tree Replacement Fund is approved, the amount of the donation shall be established by the Director. The amount of the recompense payment shall be 100% of the estimated costs of the average 3 bids from reputable landscape contractors, licensed to do business in the City, for the materials, installation, and care during the trees establishment period (18 months) provided by the owner and reviewed and approved by the City.

(Ord. No. 739 , 5-1-2017)

3.2.8 Tree Replanting, Buffer, and Landscape standards.

A. Tree Replanting.

1. Unless otherwise approved by the Director, it is recommended that trees selected for replanting be on the Recommended Tree List. Trees selected for planting must be free from injury, pests, disease, nutritional disorders or root defects, and must be of good vigor and form in order to assure a reasonable expectation of survivability. Standards for transplanting shall be in keeping with those

established in the International Society of Arboriculture publication Tree and Shrub Transplanting Manual or similar publication. Reference the American Association of Nurserymen publication American Standard for Nursery Stock (ANSI Z60.1-2014) for plant material quality specifications. Reference the Manual of Woody Landscape Plants (Michael Dirr, 2009, Stipes Pub Llc.) or similar publication for information on tree species and site requirements.

2. It is desirable that replanted trees be ecologically compatible with the site and neighboring sites. Accordingly, the replanted trees shall be of the same or similar species as those removed when practical.

3. All replanted overstory trees shall be at least six (6) feet tall and have a trunk of not less than two (2) caliper inches. All replanted understory trees shall be at least four (4) feet tall or have a trunk not less than one (1) caliper inch. In order to provide sufficient growing area for planted trees, the following minimum criteria must be observed unless otherwise approved by the Director.

   a. No more than 25% of any one genus may be included in any replanting plan.

   b. A minimum of 40% of the required tree density on a site is recommended to be met through overstory tree planting.

   c. Greater than 50% of the trees shall be natives.

B. Buffer Requirements.

1. A lot zoned or used for a rental dwelling, office, institutional, commercial, industrial uses or occupied by a non 'For-Sale' residential use shall provide a fifty foot wide undisturbed buffer along all property lines adjoining property zoned for or used by 'For-Sale' residential purposes. Where commercial or industrial districts or developments abut R-10M zoning districts, the same buffer requirements apply. The buffer shall be in addition to the required building setback line.

   a. When a new, 'For-Sale' development is proposed adjacent to an existing, non-residential use with no buffer present, the 50' buffer must be provided by the residential development.

   b. If a 50' buffer has been provided on the property adjacent to a proposed, non-residential development, the buffer requirement may be waived with the approval of the Director.

2. Except as otherwise provided, herein, buffer strips shall be preserved in their natural undisturbed state, except that sparsely planted buffers shall be enhanced with additional plant material. Enhancement plants must provide an opaque screen within two (2) years of planting and must consist of trees, shrubs, and groundcover plants meeting the following standards:

   a. Plant selection will consist of eighty (80) percent evergreen species and twenty (20) percent deciduous species;

   b. Deciduous trees must be a minimum of 2 inch caliper at time of installation;

   c. Evergreen trees must be a minimum of 9 feet tall at time of installation;

   d. Shrubs must be a minimum of 3 feet tall at time of installation;

   e. Plants will be spaced a maximum of eight (8) feet on center or as approved by the Director;

   f. Plantings shall be designed with plant palate containing a mixture of colors, textures, and heights.

3. Undisturbed buffers shall not contain any surface parking or storm water, detention facilities, or any structures except that the Director may approve underground facilities within the buffer or the crossing of the buffer for the purpose of extending utilities.

4. The Director may approve vegetated runoff reduction measures within the buffer. The planting requirements above may be varied to accommodate vegetated runoff reduction measures as part of an

approved stormwater management plan, if properly designed to provide stormwater management and screening functions.

5. Stream buffers must be replanted where disturbed for approved access and utility crossing. Replacement plantings must be native and be arranged to have a natural appearance.

6. All buffer plantings are subject to the approval of the Director.

C. Parking Lot Landscaping.

1. Surface parking lots shall provide a minimum 200 square foot wide landscape island at the end of each parking bay, and a 200 square foot island located each 72 feet of single parking length. Each landscape island shall be planted with one shade tree. Islands shall be excavated to 3 feet deep or to a depth 6 inches greater than the height of the root ball and backfilled with a minimum of 600 cubic feet of friable soil. Islands that are 400 square feet or larger and corner islands shall be planted with a large overstory tree. Parking lot trees must be 2" caliper minimum at time of planting and have a clear trunk to a minimum height of 6 feet. The remainder of a landscape island shall be planted with shrubs, ornamental grasses, and ground covers; and mulch shall be applied. Turf grass will not be accepted. Utilities and lighting shall not be allowed within required parking lot landscape islands.

2. Alternate landscape configurations may be approved if the Director determines that the alternate design exceeds the standards above and/or is part of a smart stormwater design for the site that includes multi-functional, vegetated runoff reduction measures. An alternate configuration could also include a stormwater component or the preservation and enhancement of existing trees which are provided above and beyond other tree preservation requirements; which are deemed of community value by the Director; and shall result in a minimum of 50% parking lot canopy coverage within 15 years.

3. The required tree area shall be protected against compaction and shall provide sufficient area for tree growth. Utilities are not allowed within the minimum area. The trees shall be maintained in accordance with best management practices as defined by the International Society of Arboriculture guidelines, and shall not be removed or pruned without permission from the City Arborists.

4. Shrubs shall be provided to screen paved areas and parking lots from the public right-of-way, private drives and adjacent property year round. Shrubs shall be 2 feet tall at time of planting, 2 rows deep and shall provide a screen within 3 years of planting. Alternate screening methods such as fencing may be approved by the Director.

D. Landscape Strips.

1. The City wants to promote tree lined streets therefore, a minimum of ten (10) feet wide landscape strip shall be provided along all public right-of-ways and private roads. Main streets which are listed below shall have twenty (20) foot landscape strips, except those located within the Downtown Overlay District. which shall have ten (10) feet wide landscape strips or landscaping as approved by the Director.

MAIN STREETS:

Highway 9

Mansell Road

Windward Parkway

Northpoint Parkway

Westside Parkway

Old Milton Parkway

Haynes Bridge Road

Kimball Bridge Road

2. No permanent structures other than signage are permitted within the landscape strip. This includes pavement, retaining walls, drainage structures, detention ponds, flumes, curbing, etc. unless approved by the Director.

    a. Retaining walls built with decorative masonry and designed as a landscape feature may be located within the landscape strip subject to approval by the Director. All required plantings must be installed so as not to interfere with the structural integrity of the wall.

3. Actual spacing of street trees is based on the average canopy spread of the species selected as outlined in the Arborist Guidance document. If the spacing of shade trees exceeds 25 feet on center understory trees shall be required to fill in the gaps between each shade tree. Spacing of shade trees shall not exceed 40 feet on center. Shade trees shall be a minimum 4" caliper; ornamental trees shall be a minimum 3" caliper. The use of a combination of shade trees and ornamental trees is recommended.

4. For commercial development and for master plan subdivisions, a minimum of five (5) foot landscape strip shall be provided along all property lines which do not adjoin a public right-of-way or private road. One (1) shade tree, minimum 4" caliper, shall be provided for every fifty (50) linear feet of landscape strip. For master plan subdivisions, this requirement is only required along the external property line of the overall project.

5. Shrubs shall be provided in all landscape strips. Shrubs shall be a minimum of 2 feet tall at time of planting. Shrubs located in landscape strips may be used to meet the parking lot screening requirement.

E. Additional screening shall be provided around all utility areas, detention facilities, dumpster/refuse areas, drive through areas, loading and unloading zones, etc. to screen views from the public right-of-way, private roads, drives, and adjacent properties year round. Screening shall be provided in any combination of the standards below or as approved by the Director.

1. Plant selection will consist of eighty (80) percent evergreen species and twenty (20) percent deciduous species;

2. Deciduous trees must be a minimum of 2 inch caliper at time of installation;

3. Evergreen trees must be a minimum of 6 foot tall at time of installation;

4. Shrubs must be a minimum of 4 foot tall at time of installation;

5. Screening for detention facilities must incorporate an alternating double row of evergreen shrubs 4 foot tall at time of planting.

6. A combination of decorative walls, fences, and landscape material may be used with the approval of the Director.

F. Lighting Fixtures shall be arranged so that the source of any light is screened from residential views and located as to not interfere with the tree canopy at time of planting or in the future.

G. All required landscape areas shall be provided with a minimum of 1 water spigot or other water source within 150 feet.

H. A bond shall be required for a minimum of 18 months to ensure the maintenance and irrigation of the landscaping materials.

I. All landscape plans and tree planting plans for non "For Sale" residential properties shall be prepared as a to-scale map or a site plan prepared and sealed by a Registered Landscape Architect in the State of Georgia. Tree only plans may be prepared by a Qualified Professional.

J. Outdoor Dining Areas. At-grade outdoor dining areas shall include perimeter landscaping and decorative detectable barriers in order to define the area. Detectable barriers shall include decorative planters, low walls or other improvement approved by the Community Development Director. Uncovered outdoor dining areas shall include one (1) shade tree per 750 square feet.

K. Tree Conservation. To preserve the character and existing tree canopy within the Downtown Overlay it is desired to maintain good quality trees. Specimen trees and trees of quality within the building setbacks along the roads listed below shall be conserved.

ROADS:

Academy Street

Canton Street

Church Street

Cumming Street

Marietta Street

Mayfield Road

Milton Avenue

Roswell Street

(Ord. No. 739 , 5-1-2017)

3.2.9 Tree Protection and Conservation Standards.

Prior to commencement of any grading, construction, or tree removal authorized through the issuance of a land disturbance permit and continuing until a final subdivision plat has been recorded or a certificate of occupancy has been issued, the following system shall be used:

A. A tree protection area shall be required for any tree located within 30 feet of any proposed grading, construction or tree removal; and shall be established by physical barriers and maintained until such work is complete.

B. Location and Types of Tree Protection Devices.

1. Tree protection devices are to be installed as shown on the plan or otherwise completely surrounding the Critical Root Zone of all trees to be preserved.

2. The plan shall indicate which types of tree protection are to be installed and where they are to be installed. The types identified on the plan shall be consistent with the City's Tree Protection Details, available in the Arborist Guidance Document.

3. The locations of all tree protection devices will be verified by the City prior to the issuance of the construction permit for clearing and/or grading.

4. Once Protected Zones are established and approved, any changes are subject to Development and Inspections Department review.

C. Tree Protection measures are to be installed as shown on the City's Tree Protection Details, available in the Arborist Guidance Document.

D. Sequence of Installation and Removal. All tree protection devices shall be installed prior to any land disturbance permit authorizing tree removal. Community Development Department must inspect the installation of tree protection and erosion and sedimentation control devices prior to the issuance of the land disturbance permit. Tree protection must remain in functioning condition until the certificate of occupancy is issued.

E. The cleaning of equipment, storage of materials or dirt, disposal of waste materials such as paint, oil, solvents or other harmful substances, or any other such act which may be harmful to the continued vitality of the tree(s) within the tree protection area, is prohibited.

(Ord. No. 739 , 5-1-2017)

3.2.10 Tree damage.

Any tree designated in the plan to be saved, Including Trees of Quality and Tree Groupings, that is damaged during construction or grading, or as a result of such activities, shall be treated according to accepted International Society of Arboriculture Standards, or replaced with a tree(s) equal to the DBH of the tree removed. However, any Specimen Tree damaged as described above shall be replaced with a tree(s) eight (8) times the DBH of the tree removed with a minimum four-inch (4") tree Caliper. In the event that a damaged specimen tree must be removed, the location occupied by the tree's Critical Root Zone must remain in a pervious state with no structures or buildings placed in this area and violations shall be subject to the applicable penalties as described herein. Any specimen tree damaged on "For-Sale" residential lots as the result of failure to receive tree removal approval for non-construction tree removal or as a result of failure to protect a specimen tree during non-construction tree removal will result in up to three (3) times recompense.

(Ord. No. 739 , 5-1-2017)

3.2.11 Tree survey inspection.

Following the receipt of the completed tree removal application and supporting data, the Director shall schedule and conduct an inspection of the proposed development site. Following inspection, the Director shall advise the applicant of any recommended changes in the applicant's proposed tree removal, protection or replanting plans necessary to make the plans comply with the provisions of this Ordinance.

(Ord. No. 739 , 5-1-2017)

3.2.12 Tree removal applications, approval and expiration.

A. The Director shall review all applications and supporting data and take one (1) of the following actions: approve, approve with conditions or disapprove. Applications, which meet the requirements of this Ordinance, shall be approved.

B. Development Activity will not be authorized until such time as appropriate Land Disturbance Permits have been issued and approval granted.

C. Tree removal and replacement shall begin no later than one hundred eighty (180) days after issuance of the permit and shall be completed no later than two (2) years after the issuance of the permit. Except as provided in these regulations authorizing certain cut and fill activities. The Director may refuse to issue any permit for tree removal until the submission of all development plans and receipt of other evidence satisfactory to the Director that there is a reasonable certainty that the Development is imminent.

(Ord. No. 739 , 5-1-2017)

3.2.13 Tree removal and landscaping compliance inspection.

A. Following the issuance of a Land Disturbance Permit for the development site, the Director shall from time to time inspect the site for the purpose of certifying compliance with the requirements of the tree removal. In the event of non-compliance, the Director may revoke or modify any City permit pertaining to the Development Activity for which the Land Disturbance Permit has been issued. No certificate of occupancy shall be issued until actual compliance is obtained.

B. If any required Land Disturbance Permit conditions have not been met within the time specified in the Land Disturbance Permit, and provided the Director has not granted a written extension, the City may use the cash or bond proceeds to insure that these conditions are met. The bond will have an expiration date no longer than one (1) year, and the proceeds will go to the City of Alpharetta Tree Replacement Fund.

C. After development is complete, the Director shall continue to make random inspections to insure that required trees and landscaping are maintained. Replacement shall be required or bond/letter of credit posted within thirty (30) days of notice by the Director should any of the tree(s) or landscaping die, be removed or be destroyed.

D. Notwithstanding any other provision of this Ordinance to the contrary, a home builder's responsibility to replace a newly planted tree or trees shall terminate upon the issuance of a certificate of occupancy or at the end of the maintenance bond time frame, whichever is longer, provided that an inspection conducted immediately prior to the issuance of the certificate of occupancy confirms that the replanted tree or trees were planted properly as established in the ISA (International Society of Arboriculture) standards, and are healthy and free of pests and disease. Nothing in this Ordinance shall be deemed to eliminate any other obligation the homebuilder may have pursuant to any private agreement between the homebuilder and homeowner, or any restrictive covenants that are applicable to the property.

(Ord. No. 739 , 5-1-2017)

3.2.14 Permit fee.

The fee for review of a request for permits shall be $5.00. The fee for review of an application for a Land Disturbance Permit (which only applies to Development Activity and Grading Activity) shall be $50.00 per acre and a maximum of $500.00. These fees may be revised from time to time by resolution of the City Council, or delegated to the Director to be administratively established and revised from time to time.

(Ord. No. 739 , 5-1-2017)

3.2.15 Enforcement, appeals and variances.

A. Enforcement. All requests for permits and all applications for tree removal shall initially be submitted to and reviewed by the City Arborist. The City Arborist shall be responsible for recommending to the Director the approval or denial of applications for Land Disturbance Permits.

B. Appeals.

1. Requests for appeal of any administrative decision shall first be addressed to the Director.

2. Written requests for appeal of any administrative decision are permitted and must be submitted to the Board of Zoning Appeals within ten (10) days after notice of such decision. Such written appeal shall be made in the form of a letter, which outlines the salient points upon which the appeal is based.

3. The Board of Zoning Appeals shall schedule a hearing as soon as reasonably practicable to consider the appeal, and shall issue a written decision within thirty (30) days of the hearing.

4. If the appeal concerns an administrative decision regarding Specimen Trees, Trees of Quality, Tree Groupings, or Boundary Trees it shall be the applicant's burden to demonstrate that reasonable alternatives have been considered in order to save said trees (as described herein). Documented evidence shall be filed by the applicant with the written request for appeal and shall include, but not be limited to the following:

    a. Boundary survey showing topography, easements, creeks and other features of the property.

    b. Two alternative development plans, which include the Specimen Tree(s), Trees of Quality, Groupings of Trees, or Boundary Trees.

    c. An itemized estimate of additional costs associated with saving the trees.

C. Variance.

1. Written requests for a variance are permitted.

2. The Director shall have the authority to grant variances not to exceed twenty percent (20%) of the minimum or maximum standards of this Ordinance.

3. Variances that exceed twenty percent (20%) or variances that exceed the allowance of administrative variances shall be heard by the Board of Zoning Appeals.

4. Variances can be granted only in the case of extreme hardship or unusual circumstance. The factors to be taken into consideration by the Board may include the following, but shall not be solely economic:

    a. The ease with which the applicant can alter or revise the proposed development or improvement to accommodate existing trees.

    b. The economic hardship that would be imposed upon the applicant were the variance denied.

    c. The heightened desirability of preserving tree cover in densely developed or densely populated areas.

    d. The need for visual screening in transitional zones or relief from glare, blight, commercial or industrial unsightliness or any other visual affront.

    e. Whether the continued presence of the tree or trees is likely to cause danger to a person or property.

    f. Whether the topography of the area in which the tree is located is of such a nature to be damaging or injurious to trees.

    g. Whether the removal of the trees is for the purpose of thinning a heavily wooded area where some trees will remain.

    h. Whether tree removal would have an adverse impact upon existing biological and ecological systems.

    i. Whether tree removal would affect noise pollution by increasing source noise levels to such a degree that a public nuisance may be anticipated or a violation of the noise control ordinance will occur.

    j. Whether the general health and life expectancy of the tree or trees warrant the measures necessary to prolong the life of the trees based upon accepted ISA practices.

D. Appeal from the Decisions of the Board of Appeals shall be by Writ of Certiorari to the Fulton Superior Court, and must be filed within thirty (30) days of the date of the Board's decision.

(Ord. No. 739 , 5-1-2017)

3.2.16 Natural Resources Commission.

The Mayor and each City Council member shall appoint one (1) member to a seven (7) member Natural Resources Commission.

A. The Natural Resources Commission shall give advice to the Council based on an annual re-evaluation of experience under the Ordinance, provide leadership in the development of understanding of the objectives and methods of the tree program, and assist the Director in the development and maintenance of technical specifications and guidelines. In addition, the natural Resources Commission primary objectives shall be:

   1. To promote the benefits of maintaining a healthy tree canopy for the City of Alpharetta;
   2. To provide educational outreach activities for the purpose of informing the community about resource conservation, protection of the environment, and the maintenance of the city's natural amenities, in particular its trees;
   3. To plan and organize Arbor Day and facilitate other events, activities, meetings and projects that support environmental awareness and education;
   4. To encourage Alpharetta's citizens to take greater responsibility for improving their community through litter prevention, waste reduction, recycling, tree plantings and other, similar means.
   5. To oversee the following:
      a. Alpharetta's Tree Conservation, Landscape, and Buffer Ordinance.
      b. Tree City USA designation.
      c. Keep America Beautiful affiliation.

B. The Natural Resources Commission shall assist the Arborist in producing and maintaining the Arborist Guidance Document, including the list of proposed changes to the kinds and species of trees described in the Tree Planting List. Any such changes may be adopted and may be changed from time to time.

C. The Natural Resources Commission shall enlist technical advisors in the fields of land development, landscape architecture and horticulture or related professions.

D. The Natural Resources Commission shall have the power and authority to maintain the Tree City USA and Keep America Beautiful (KAB) certifications by:

   1. Strengthening environmental outreach opportunities associated with the Tree City USA and KAB organizations by promoting community participation and acting as an advocate of tree and environmental conservation efforts;
   2. Supporting the City's efforts through public/private partnerships;
   3. Making recommendations for the enhancement of public outreach and education programs concerning environmental and tree related issues;
   4. Developing and implementing a sustainable program for their environmental accomplishments; and
   5. Providing regular updates to City Council regarding Natural Resources Commission activities.

(Ord. No. 739 , 5-1-2017)

3.2.17 Penalties.

Any person, firm, corporation, limited liability company, Responsible Party, or other entity found guilty of violating or knowingly assisting in the commission of a violation of this Section shall be subject to the penalties specified herein. Each day any violation of any provision of this Section shall occur and each day any violation shall continue shall constitute a separate offense of this Section.

A. A violation of this Section shall constitute a misdemeanor punishable by a fine of up to one thousand dollars per incident. Replacement plantings shall also be required. Penalties and fines, including replacement plantings must be satisfied within the timeline stated on the violation and/or stop work order. Appeals can be filed with the Board of Zoning Appeals.

B. In the event that a Specimen Tree is damaged or removed in violation of this Section on non "For-Sale" residential property or as part of a construction project, violators shall be subject to replace Specimen Trees with trees having a total density equal to eight (8) times the unit value of the tree removed with a minimum four-inch (4”) tree caliper. Furthermore, the location and extent of the tree's Critical Root Zone shall permanently remain in a pervious state with no structures or buildings placed on it. In the event that a Specimen Tree is damaged or removed in violation of this Section on a "For-Sale" residential property not in conjunction with a construction project, violators shall be subject to replace Specimen Trees with trees having a total density up to three (3) times the unit value of the tree removed. The city shall take into consideration the amount of trees that can be reasonably placed on the property in violation. If the DBH of the removed tree cannot be determined the measurement shall be taken at the upper most portion of the remaining stump.

C. In the event that a non-specimen tree, including Trees of Quality and Tree Groupings, is damaged or removed in violation of this Section, violators shall be subject to replacement plantings equal to one (1) times the DBH of the tree removed with a minimum two inch (2”) caliper trees. If the DBH of the removed tree cannot be determined the measurement shall be taken as stated in Section 3.2.17.B.

D. In addition to A. and B., upon notice from the Director, work on any development that is being done contrary to the provisions of this Section shall immediately cease. The stop-work notice shall be in writing and shall go to the owner of the property, or to his agent, or to the person doing the work, and shall state the conditions under which work may be resumed. When an emergency exists, the Director shall not be required to give written notice prior to stopping the work. Further, in the event that work on any development is being done contrary to the provisions of this Section, the Director may revoke any permit pertaining to the development activity for which the Land Disturbance Permit has been issued and may refuse to issue any further permit until, at the discretion of the Director, the work on the development is brought into compliance with the provisions of this Section.

(Ord. No. 739 , 5-1-2017)

AN ORDINANCE TO AMEND ARTICLE III OF THE UNIFIED DEVELOPMENT CODE OF THE CITY OF ALPHARETTA, GEORGIA; TO ADD REGULATIONS PERTAINING TO TREE CONSERVATION; TO REPEAL CONFLICTING ORDINANCES; AND FOR OTHER PURPOSES.

WHEREAS, on or about May 21, 2001, the City of Alpharetta (the "City") adopted a comprehensive zoning ordinance known and cited as the Unified Development Code of the City of Alpharetta, Georgia, which has subsequently been amended from time to time (the "Unified Development Code"); and

WHEREAS, the Mayor and Council of the City of Alpharetta (the "City Council" or "Council") are charged with the protection of the public health, safety, and welfare of the citizens of the City of Alpharetta; and

WHEREAS, the Unified Development Code was designed to be amended from time to time when circumstances warrant that modifications be made in order to make said Codes more responsive to community needs; and

WHEREAS, the City Council finds that ordinances and regulations governing the uses of land and development of land within the City, as well as the City's operations, should be continually improved from time to time and modified as necessary to better protect and promote the public health, safety and welfare of the residents and businesses of the City of Alpharetta; and

WHEREAS, the City Council desires to amend Article III of the Unified Development Code for the foregoing purposes; and

WHEREAS, the City Council finds that the following amendments to the Unified Development Code promote the health, safety, morals, convenience, order, prosperity and general welfare of the present and future inhabitants of the City of Alpharetta; and

NOW THEREFORE, The Council of the City of Alpharetta hereby ordains, as follows:

Section 1: Article III, Subsection 3.2.8(K) titled "Tree Conservation" of the Unified Development Code is hereby added by amending same as set forth in Exhibit "A" attached hereto as if fully set forth herein.

Section 2: If any section, subsection, provisions, or clause of any part of this Ordinance shall be declared invalid or unconstitutional or, if the provisions of any part of this Ordinance as applied to any particular situation or set of circumstances shall be declared invalid or unconstitutional, such invalidity shall not be construed to affect the portions of this Ordinance not so held to be invalid, or the application of this Ordinance to other circumstances not so held to be invalid. It is hereby declared as the intent of the City Council that this Ordinance would have been adopted in its current form without the invalid or unconstitutional provision contained therein.

Section 3: This Ordinance shall be effective immediately upon its adoption by the City Council and the amendments made herein shall be incorporated into the Unified Development Code of the City of Alpharetta, Georgia, as applicable. This Ordinance hereby repeals any and all conflicting ordinances and amendments.

SO ORDAINED this the _____day of _____, 2022.

Approved:

_____
Jim Gilvin, Mayor

Attest:

_____
Lauren Shapiro, City Clerk
(Seal)

Approved as to Form:

_____
City Attorney

COUNCILMEMBERS

_____

_____

_____

_____

_____

_____

Exhibit “A”

3.2.8 Tree Replanting, Buffer, and Landscape standards.

A. Tree Replanting.

1. Unless otherwise approved by the Director, it is recommended that trees selected for replanting be on the Recommended Tree List. Trees selected for planting must be free from injury, pests, disease, nutritional disorders or root defects, and must be of good vigor and form in order to assure a reasonable expectation of survivability. Standards for transplanting shall be in keeping with those established in the International Society of Arboriculture publication Tree and Shrub Transplanting Manual or similar publication. Reference the American Association of Nurserymen publication American Standard for Nursery Stock (ANSI Z60.1-2014) for plant material quality specifications. Reference the Manual of Woody Landscape Plants (Michael Dirr, 2009, Stipes Pub Llc.) or similar publication for information on tree species and site requirements.
2. It is desirable that replanted trees be ecologically compatible with the site and neighboring sites. Accordingly, the replanted trees shall be of the same or similar species as those removed when practical.
3. All replanted overstory trees shall be at least six (6) feet tall and have a trunk of not less than two (2) caliper inches. All replanted understory trees shall be at least four (4) feet tall or have a trunk not less than one (1) caliper inch. In order to provide sufficient growing area for planted trees, the following minimum criteria must be observed unless otherwise approved by the Director.
    a. No more than 25% of any one genus may be included in any replanting plan.
    b. A minimum of 40% of the required tree density on a site is recommended to be met through overstory tree planting.
    c. Greater than 50% of the trees shall be natives.

B. Buffer Requirements.

1. A lot zoned or used for a rental dwelling, office, institutional, commercial, industrial uses or occupied by a non 'For-Sale' residential use shall provide a fifty foot wide undisturbed buffer along all property lines adjoining property zoned for or used by 'For-Sale' residential purposes. Where commercial or industrial districts or developments abut R-10M zoning districts, the same buffer requirements apply. The buffer shall be in addition to the required building setback line.
    a. When a new, 'For-Sale' development is proposed adjacent to an existing, non-residential use with no buffer present, the 50' buffer must be provided by the residential development.
    b. If a 50' buffer has been provided on the property adjacent to a proposed, non-residential development, the buffer requirement may be waived with the approval of the Director.
2. Except as otherwise provided, herein, buffer strips shall be preserved in their natural undisturbed state, except that sparsely planted buffers shall be enhanced with additional plant material. Enhancement plants must provide an opaque screen within two (2) years of planting and must consist of trees, shrubs, and groundcover plants meeting the following standards:
    a. Plant selection will consist of eighty (80) percent evergreen species and twenty (20) percent deciduous species;
    b. Deciduous trees must be a minimum of 2 inch caliper at time of installation;
    c. Evergreen trees must be a minimum of 9 feet tall at time of installation;
    d. Shrubs must be a minimum of 3 feet tall at time of installation;

e. Plants will be spaced a maximum of eight (8) feet on center or as approved by the Director;

f. Plantings shall be designed with plant palate containing a mixture of colors, textures, and heights.

3. Undisturbed buffers shall not contain any surface parking or storm water, detention facilities, or any structures except that the Director may approve underground facilities within the buffer or the crossing of the buffer for the purpose of extending utilities.

4. The Director may approve vegetated runoff reduction measures within the buffer. The planting requirements above may be varied to accommodate vegetated runoff reduction measures as part of an approved stormwater management plan, if properly designed to provide stormwater management and screening functions.

5. Stream buffers must be replanted where disturbed for approved access and utility crossing. Replacement plantings must be native and be arranged to have a natural appearance.

6. All buffer plantings are subject to the approval of the Director.

C. Parking Lot Landscaping.

1. Surface parking lots shall provide a minimum 200 square foot wide landscape island at the end of each parking bay, and a 200 square foot island located each 72 feet of single parking length. Each landscape island shall be planted with one shade tree. Islands shall be excavated to 3 feet deep or to a depth 6 inches greater than the height of the root ball and backfilled with a minimum of 600 cubic feet of friable soil. Islands that are 400 square feet or larger and corner islands shall be planted with a large overstory tree. Parking lot trees must be 2" caliper minimum at time of planting and have a clear trunk to a minimum height of 6 feet. The remainder of a landscape island shall be planted with shrubs, ornamental grasses, and ground covers; and mulch shall be applied. Turf grass will not be accepted. Utilities and lighting shall not be allowed within required parking lot landscape islands.

2. Alternate landscape configurations may be approved if the Director determines that the alternate design exceeds the standards above and/or is part of a smart stormwater design for the site that includes multi-functional, vegetated runoff reduction measures. An alternate configuration could also include a stormwater component or the preservation and enhancement of existing trees which are provided above and beyond other tree preservation requirements; which are deemed of community value by the Director; and shall result in a minimum of 50% parking lot canopy coverage within 15 years.

3. The required tree area shall be protected against compaction and shall provide sufficient area for tree growth. Utilities are not allowed within the minimum area. The trees shall be maintained in accordance with best management practices as defined by the International Society of Arboriculture guidelines, and shall not be removed or pruned without permission from the City Arborists.

4. Shrubs shall be provided to screen paved areas and parking lots from the public right-of-way, private drives and adjacent property year round. Shrubs shall be 2 feet tall at time of planting, 2 rows deep and shall provide a screen within 3 years of planting. Alternate screening methods such as fencing may be approved by the Director.

D. Landscape Strips.

1. The City wants to promote tree lined streets therefore, a minimum of ten (10) feet wide landscape strip shall be provided along all public right-of-ways and private roads. Main streets which are listed below shall have twenty (20) foot landscape strips, except those located within the Downtown Overlay District. which shall have ten (10) feet wide landscape strips or landscaping as approved by the Director.

MAIN STREETS:

Highway 9

Mansell Road

Windward Parkway

Northpoint Parkway

Westside Parkway

Old Milton Parkway

Haynes Bridge Road

Kimball Bridge Road

2. No permanent structures other than signage are permitted within the landscape strip. This includes pavement, retaining walls, drainage structures, detention ponds, flumes, curbing, etc. unless approved by the Director.

    a. Retaining walls built with decorative masonry and designed as a landscape feature may be located within the landscape strip subject to approval by the Director. All required plantings must be installed so as not to interfere with the structural integrity of the wall.

3. Actual spacing of street trees is based on the average canopy spread of the species selected as outlined in the Arborist Guidance document. If the spacing of shade trees exceeds 25 feet on center understory trees shall be required to fill in the gaps between each shade tree. Spacing of shade trees shall not exceed 40 feet on center. Shade trees shall be a minimum 4" caliper; ornamental trees shall be a minimum 3" caliper. The use of a combination of shade trees and ornamental trees is recommended.

4. For commercial development and for master plan subdivisions, a minimum of five (5) foot landscape strip shall be provided along all property lines which do not adjoin a public right-of-way or private road. One (1) shade tree, minimum 4" caliper, shall be provided for every fifty (50) linear feet of landscape strip. For master plan subdivisions, this requirement is only required along the external property line of the overall project.

5. Shrubs shall be provided in all landscape strips. Shrubs shall be a minimum of 2 feet tall at time of planting. Shrubs located in landscape strips may be used to meet the parking lot screening requirement.

E. Additional screening shall be provided around all utility areas, detention facilities, dumpster/refuse areas, drive through areas, loading and unloading zones, etc. to screen views from the public right-of-way, private roads, drives, and adjacent properties year round. Screening shall be provided in any combination of the standards below or as approved by the Director.

1. Plant selection will consist of eighty (80) percent evergreen species and twenty (20) percent deciduous species;

2. Deciduous trees must be a minimum of 2 inch caliper at time of installation;

3. Evergreen trees must be a minimum of 6 foot tall at time of installation;

4. Shrubs must be a minimum of 4 foot tall at time of installation;

5. Screening for detention facilities must incorporate an alternating double row of evergreen shrubs 4 foot tall at time of planting.

6. A combination of decorative walls, fences, and landscape material may be used with the approval of the Director.

F. Lighting Fixtures shall be arranged so that the source of any light is screened from residential views and located as to not interfere with the tree canopy at time of planting or in the future.

G. All required landscape areas shall be provided with a minimum of 1 water spigot or other water source within 150 feet.

H. A bond shall be required for a minimum of 18 months to ensure the maintenance and irrigation of the landscaping materials.

I. All landscape plans and tree planting plans for non "For Sale" residential properties shall be prepared as a to-scale map or a site plan prepared and sealed by a Registered Landscape Architect in the State of Georgia. Tree only plans may be prepared by a Qualified Professional.

J. Outdoor Dining Areas. At-grade outdoor dining areas shall include perimeter landscaping and decorative detectable barriers in order to define the area. Detectable barriers shall include decorative planters, low walls or other improvement approved by the Community Development Director. Uncovered outdoor dining areas shall include one (1) shade tree per 750 square feet.

K. Tree Conservation. To preserve the character and existing tree canopy within the Downtown Overlay it is desired to maintain good quality trees. Specimen trees and trees of quality within the building setbacks along the roads listed below shall be conserved.

ROADS:

Academy Street

Canton Street

Church Street

Cumming Street

Marietta Street

Mayfield Road

Milton Avenue

Roswell Street

STAFF REPORT

Submitting Department: Public Works
Submitted By: Arash Moradkhani
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: CONTRACT AWARD AND INTERGOVERNMENTAL AGREEMENT: WEBB BRIDGE ROAD: EAST OF NORTH POINT PARKWAY TO GREENWAY CONSTRUCTION

CONSIDERATION OF THE AWARD OF ITB 23-003 TO GEORGIA BRIDGE & CONCRETE, LLC FOR THE CONSTRUCTION OF WEBB BRIDGE ROAD FROM EAST OF NORTH POINT PARKWAY TO THE BIG CREEK GREENWAY IN AN AMOUNT NOT TO EXCEED $9,557,603.40, APPROVAL OF $270,800.00 FOR THE BRIDGE CONSTRUCTION ECOLOGICAL PERMIT FROM THE US ARMY CORPS OF ENGINEERS, APPROVAL OF $333,925.00 AND THE INTERGOVERNMENTAL GOVERNMENT AGREEMENT WITH FULTON COUNTY ASSOCIATED WITH WATERLINE WORK, AND APPROVAL OF ATKINS NORTH AMERICA, INC.'S PROPOSAL FOR THE BRIDGE CONSTRUCTION AND STREAM BANK RESTORATION MANAGEMENT AND INSPECTIONS SERVICES IN AN AMOUNT NOT TO EXCEED OF $255,729.10, AND TO AUTHORIZE THE MAYOR TO EXECUTE ALL NECESSARY DOCUMENTS.

II. RECOMMENDATION:

Award ITB 23-003 to Georgia Bridge & Concrete, LLC for the construction of the Webb Bridge Road from East of North Point Parkway to the Big Creek Greenway in an amount not to exceed $9,557,603.40, approve $270,800.00 for the bridge construction ecological permit from the US Army Corps of Engineers, approve $333,925.00 and the Intergovernmental Government Agreement with Fulton County associated with Waterline Work, approve Atkins North America, Inc.'s proposal for the bridge construction and stream bank restoration management and inspections services in an amount not to exceed of $255,729.10, and authorize the Mayor to execute all necessary documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: YES
FISCAL IMPACT: YES
INCLUDED IN CURRENT FY CPTL BUDGET: YES
INCLUDED IN CURRENT FY OPRT. BUDGET: NO
TOTAL PROJECT COST: $10,084,132.50
APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
WBR PH4 NPP to Greenway (TSPLOST 2; 33641100-541410-C2104)	$10,084,132.50

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
N/A	$0.00

IV. REPORT IN BRIEF:

Background:
The Webb Bridge Road Improvement Project is a project designed to advance Webb Bridge Road's role as a residential collector corridor through a design that reduces vehicular speeds and elevating operational safety while also providing enhanced pedestrian, bicycle, and landscape amenities. The project includes the addition of a roundabout at the intersection of Webb Bridge Road and Webb Bridge Way and the replacement of the bridge over Big Creek.

The overall project stretches from Webb Bridge Way westward to Morris Road but is divided into multiple phases and funding is in TSPLOST 1 and 2; (1) Extending the Culvert/Tunnel and access to Big Creek Greenway from Webb Bridge Road, (2a) Roundabout to Webb Bridge Park, (2b) Roundabout to Big Creek Greenway, (3) Big Creek Greenway to North Point Parkway, and (4) Morris Road to North Point Parkway. Phases 1 and 2 are funded through TSPLOST 1, while Phases 3 and 4 are funded through TSPLOST

2.Phase 1 has been constructed and accepted by the City. Phase 1 was constructed earlier than the other phases to permit Big Creek Greenway to remain open predominately through construction.

The Webb Bridge Road Improvement Project began in 2016 with a series of public input sessions and design charrettes through which residents, especially those living along the corridor, guided development of the initial design concepts. Those concepts were the basis of the final design plans for Phases 1 and 2 of the project developed by Pond and Company under contract with the City.

Overview: Phase 3 Construction (North Point Parkway to Greenway)
The item under consideration is the award of a contract for construction of a portion of Phase 3 of the Webb Bridge Road Improvement Project, specifically a 0.72-mile section running from a point east of North Point Parkway to the Big Creek Greenway and including the replacement of the bridge over Big Creek.

The design will allow the speed limit of the road to be reduced from its current 40 mph to 35 mph, which will improve safety. Upon project completion, Staff will coordinate with the Georgia Department of Transportation (GDOT) to secure the necessary permits to allow for enforcement of this reduced speed limit.

As illustrated in the attached exhibit, the construction project will provide:

- Construction of a 200-foot bridge over Big Creek including
    1. Two-lane configuration; each lane 12 feet in width
    2. 11-foot sidewalk on both sides to accommodate pedestrians and bicyclists
    3. Pedestrian lighting mounted on the bridge columns
    4. Veneered walls and columns (similar to Foe Killer Creek Bridge on Rucker Road)

- Webb Bridge Road east of North Point Parkway to the bridge
    1. Two travel lanes, each approximately 10.5 feet in width
    2. 4-foot bicycle lanes on both sides of the road
    3. 10-foot sidewalk on the south side of Webb Bridge Road
    4. The existing 6-foot wide sidewalk will remain from east of North Point Parkway to Strath Drive on the north side of the road
    5. A 10-foot wide sidewalk from Strath Drive to the Greenway on the north side of the road
    6. Landscape planting area that ranges from 6 feet to 3.5 feet in width
    7. Pedestrian lighting at +/-90-foot spacing on both sides of the road

- Webb Bridge Road between the bridge and the Greenway
    1. Two travel lanes, each approximately 10.5 feet in width
    2. 12-foot wide sidewalks on both sides of the road
    3. Landscape planting area that ranges from 6 feet to 3.5 feet in width
    4. Pedestrian lighting at +/-90-foot spacing on both sides of road

The Fulton County waterline on the existing bridge will, as required by the County, be removed and replaced with a new waterline that will be attached to the new bridge. Under an intergovernmental agreement (IGA) between the City and the County, the County will reimburse the City for this waterline work. The IGA is included as an attachment to this report.

It is important to note that the installation of landscaping is not included as part of this contract. Rather, a separate contract for landscape installation by the City's on-call landscape contractor will be presented for consideration by Mayor and Council at a later date. Experience from past projects has proven that having the same company that maintains the City's landscaping install the landscape elements of our projects results in a better product and avoids claims that any poor performance is the result of plantings being improperly installed.

Salvage And Reuse Of Existing Pedestrian Bridge
The existing pedestrian bridge located on the south side of Webb Bridge Road will be salvaged by the City's contractor and delivered to Wills Park for use on a future project. This work will cost $20,000, which is more cost-effective than demolishing the bridge and building a new one as part of a future project.

Project Duration
Project construction is anticipated to take 30 months after issuance of a notice to proceed. This timeline is protracted due to supply chain issues resulting in extensive lead times of 3 to 10 months for materials such as ductile iron pipe, reinforced concrete pipe, and precast beams. Availability of concrete and scheduling of concrete pours also continue to be issues that will impact the construction timeline.

Additionally, the construction of the new bridge and demolition and removal of the old bridges must be staged so that Webb Bridge Road can remain open during the project. This is also necessary to accommodate the replacement of the Fulton County waterline.

Procurement And Project Bid Process:
Procurement for this project was initiated through Invitation to Bid (ITB 23-003), which was issued on September 29, 2022 with a response deadline of October 27, 2022. A total of six proposals were received in response to this invitation:

Company/Bidder	Proposed Price
Georgia Bridge & Concrete	$ 9,557,603.40
Construction Management & Engineering Services (CMES)	$ 9,747,757.00
C.W. Matthews Contracting Co.	$ 9,923,643.24
ASTRA Group	$ 10,199,000.00
Vertical Earth	$ 10,207,807.80
E.R. Snell Contract	$ 11,343,710.91

After evaluation and verifying the submitted bids, staff from the Public Works Department met with representatives of Georgia Bridge & Concrete (GBC), as the low bidder, on Thursday, November 3, 2022. The project scope, schedule, and bid package as submitted by GBC were discussed with the contractor during the meeting.

GBC is an experienced contractor that has successfully completed similar projects for agencies including the Georgia Department of Transportation (GDOT) and multiple local governments. GBC, then operating as Sunbelt Structures, Inc., also successfully performed bridge maintenance projects for the City of Alpharetta.

Additional Project Costs:
The construction of the new bridge will unavoidably have impacts on the Big Creek wetland and water stream. As a result, the City will be required to obtain a permit from the US Army Corps of Engineers (USACE) using ecological offsets in the form of mitigation credits. The necessary credits and permits will have to be purchased from USACE at a cost to the City of $270,800.00.

While the roadway construction will be overseen by staff from the Department of Public Works, the bridge construction and related stream bank restoration are complex and exceed the department's current capacity to manage. As such, a cost proposal was obtained from Atkins, one of our on-call firms that has previously managed projects of this type, to oversee these components. Having Atkins provide these management services will cost $255,729.10.

These costs bring the total cost of this project to $10,084,132.50, of which $339,925.00 is associated with the waterline work and can be reimbursed by Fulton County.

V. ALTERNATIVES:

Do not approve and the construction services will not be procured.

VI. ATTACHMENTS:

WBR Bridge + Roadway Improvements NP to BCG Construction Agreement, Georgia Bridge and Concrete_Bid, Atkins_WBR Bridge Inspection, Statement of Credit Availability_Bridge Permit, Bridge Permit_Cost Estimate, Alpharetta - Fulton County IGA - WBR Utility Relocation - FINAL.CLEAN, WBR Ph 3 Exhibit_Bridge

CONSTRUCTION SERVICES AGREEMENT

WEBB BRIDGE ROAD BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS – NORTH POINT TO BIG CREEK GREENWAY

This Construction Services Agreement (the "Agreement") is made and entered into on _____ (date) (the "Effective Date"), by and between the **CITY OF ALPHARETTA, GEORGIA**, a municipal corporation of the State of Georgia, acting by and through its governing authority, the Mayor and Alpharetta City Council (hereinafter referred to as the "City"), and **GEORGIA BRIDGE AND CONCRETE, LLC**, a Georgia limited liability corporation (hereinafter referred to as the "Contractor"), collectively referred to herein as the "Parties".

W I T N E S S E T H:

WHEREAS, the City desires to retain a contractor to perform services for the construction of a Project, as defined below; and

WHEREAS, the City solicited bids from qualified proponents for construction of the Project pursuant to Invitation to Bid ("ITB") 23-003, copy of which is attached hereto as **Exhibit A** and incorporated herein by reference; and

WHEREAS, the Contractor submitted a complete and timely bid in response to ITB 23-003, a copy of which is attached hereto as **Exhibit B** and incorporated herein by reference, which bid was determined by the City to meet all bid requirements such that the City awarded ITB 23-003 to the Contractor; and

WHEREAS, the City finds that specialized knowledge, skills, and training are necessary to perform the Work (defined below) contemplated under this Agreement; and

WHEREAS, the Contractor has represented that it is qualified by training and experience to perform the Work; and

WHEREAS, based upon the Contractor's bid, the City has selected the Contractor as the successful proponent, and

WHEREAS, the Contractor desires to perform the Work as set forth in this Agreement under the terms and conditions provided in this Agreement; and

WHEREAS, the public interest will be served by this Agreement; and

WHEREAS, the Contractor has familiarized itself with the nature and extent of the Contract Documents, the Project, and the Work, and with all local conditions and federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of Work, and the Contractor is aware that it must be licensed to do business in the State of Georgia.

NOW THEREFORE, for and in consideration of the mutual promises, the public purposes, and the acknowledgements and agreements contained herein and other good and adequate consideration, the sufficiency of which is hereby acknowledged, the Parties hereto do mutually agree as follows:

Section 1. Contract Documents

This Agreement along with the following documents, attached hereto (except as expressly noted otherwise below) and incorporated herein by reference, constitute the "Contract Documents":

A. City's ITB 23-003, attached hereto as **Exhibit A**;

1. Forms of Performance Bond and Payment Bond, included within **Exhibit A**;

2. Forms of Subcontractor Affidavits (E-Verify), included within **Exhibit A**;

B. Bid Response Documents from Contractor, attached hereto as **Exhibit B**;

1. Completed Contractor Affidavit (E-Verify), included within **Exhibit B**;

C. Scope of Work, included in **Exhibit C**;

D. Additional Payment/Retainage Requirements, attached hereto as **Exhibit D**;

E. Supplementary Contract Provisions, attached hereto as **Exhibit E**; and

F. The following, which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto: All Change Orders (defined in Section 6 below), other written amendments, and other documents amending, modifying, or supplementing the Contract Documents if properly adopted in writing and executed by the Parties.

Section 2. Project Description; Contract Administrator

A. Project. A general description of the Project is as follows: **WEBB BRIDGE ROAD BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS – NORTH POINT TO BIG CREEK GREENWAY**, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, replacement of the bridge crossing Big Creek, installation of pedestrian lighting, installation of landscaping, and related work. The location of work is along Webb Bridge Road between North Point Parkway and Big Creek Greenway within the City of Alpharetta, Georgia.

B. Contract Administrator; Project Manager. The City shall be the Contract Administrator for this Agreement. The City's Project and Construction Manager

for this contract is Scott Campbell.

Section 3. The Work

A. The Work. The Work to be completed under this Agreement (the "Work") includes, but shall not be limited to, the work described in the Scope of Work provided in Contract Documents, attached hereto and incorporated herein by reference. The Work includes all material, labor, insurance, tools, equipment, machinery, water, heat, utilities, transportation, facilities, services and any other miscellaneous items and work reasonably inferable from the Contract Documents. The term "reasonably inferable" takes into consideration the understanding of the Parties that some details necessary for proper execution and completion of the Work may not be shown on the drawings or included in the specifications or Scope of Work, but they are a requirement of the Work if they are a usual and customary component of the Work or are otherwise necessary for proper and complete installation and operation of the Work. Contractor shall complete the Work in strict accordance with the Contract Documents. In the event of any discrepancy among the terms of the various Contract Documents, the provision most beneficial to the City, as determined by the City in its sole discretion, shall govern.

B. Notice to Proceed. The City will issue a Notice to Proceed, which Notice to Proceed shall state the dates for beginning Work ("Commencement Date") and the Expected Date of Final Completion (defined in Section 4(A) below). Unless otherwise approved, the Contractor shall perform its obligations under this Agreement as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Work.

C. Shop Drawings, Product Data, and Samples. Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents, but must be in conformity therewith. The purpose of their submittal is to demonstrate, for those portions of the Work for which submittals are required by the Contract Documents, the way by which the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents.

(i) "Shop Drawings" are drawings, diagrams, schedules and other data specifically prepared for the Work by the Contractor or a subcontractor, sub-subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

(ii) "Product Data" are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

(iii) "Samples" are physical examples that illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

The Contractor shall review for compliance with the Contract Documents and shall approve and submit to the Contract Administrator Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the City or of separate contractors. By approving and submitting Shop Drawings, Product Data, Samples and similar submittals, the Contractor represents that the Contractor has determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents. Submittals which are not marked as reviewed for compliance with the Contract Documents and approved by the Contractor may be returned by the Contract Administrator without action. The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been approved in writing by the Contract Administrator, provided that submittals that are not required by the Contract Documents may be returned without action.

The Work shall be completed in accordance with approved submittals, provided that the Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Contract Administrator's approval of Shop Drawings, Product Data, Samples or similar submittals, unless the Contractor has specifically informed the Contract Administrator in writing of such deviation at the time of submittal and (1) the Contract Administrator has given written approval to the specific deviation as a minor change in the Work, or (2) a written Change Order has been issued and approved to authorize the deviation. The Contract Administrator's approval of the Shop Drawings, Product Data, Samples or similar submittals shall not relieve the Contractor of responsibility for errors or omissions therein.

The Contractor shall, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, direct the Contract Administrator's attention to any additional revisions included other than those requested by the Contract Administrator on previous submittals. In the absence of such written notice drawing the Contract Administrator's attention to such additional revisions, the Contract Administrator's approval of a resubmission shall not apply to such additional revisions.

The Contractor shall maintain at the Project site(s) one record copy of the Contract Documents in good order and marked currently to record field changes and selections made during construction and one record copy of approved Shop Drawings, Product Data, Samples and similar required submittals. These documents shall be available to the City and Contract Administrator and shall be delivered to the Contract Administrator or City upon completion of the Work.

Section 4. **Contract Term; Liquidated Damages; Expedited Completion; Partial Occupancy or Use**

A. Contract Term. Contractor shall promptly commence the Work with adequate force and equipment within ten (10) calendar days from receipt of the Notice to Proceed, or as otherwise specified in the Notice to Proceed, continuously pursue the Work without interruption to completion, and fully complete the Work (i.e., achieve final completion) within **NINE HUNDRED (900) CALENDAR DAYS** following Contractor's receipt of the Notice to Proceed (the "Expected Date of Final Completion").

The Parties agree that this Agreement, as required by O.C.G.A. § 36-60-13, shall terminate absolutely and without further obligation on the part of the City on December 31 each calendar year of the Term, and further, that this Agreement shall automatically renew on January 1 of each subsequent calendar year absent the City's provision of written notice of non-renewal to Contractor at least five (5) calendar days prior to the end of the then current calendar year. Title to any supplies, materials, equipment, or other personal property shall remain in Contractor until fully paid for by the City.

B. Time is of the Essence; Liquidated Damages. Contractor specifically acknowledges that TIME IS OF THE ESSENCE of this Agreement and that City will suffer financial loss if the Work is not completed in accordance with the deadlines specified in Section 4(A) above and within the Contract Documents. The City and Contractor also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the City if the Work is not completed within the specified times. In accordance with Georgia Department of Transportation Standard Specifications Construction 2021, Section 108.08, if Contractor fails to achieve Substantial Completion and/or Final Completion within nine hundred (900) calendar days from Contractor's receipt of the Notice to Proceed, Contractor shall be liable to the City for the sum of **$2,019.00 per day** for each and every calendar day of unexcused delay in achieving Substantial Completion beyond nine hundred (900) calendar days from receipt of the Notice to Proceed; and **$2,019.00 per day** for each and every calendar day of unexcused delay in achieving Final Completion beyond nine hundred (900) calendar days from receipt of the Notice to Proceed, as applicable. Any sums due and payable hereunder by Contractor shall be payable, not as a penalty, but as liquidated damages representing a reasonable pre-estimate of delay damages likely to be sustained by the City for any such breach, as it is mutually agreed that any such actual and consequential damages incurred by the City for such breach would otherwise be difficult to ascertain.

C. Expediting Completion. The Contractor is accountable for completing the Work within the time period provided in the Contract Documents. If, in the judgment of the City, the Work is behind schedule and the rate of placement of work is

inadequate to regain scheduled progress to ensure timely completion of the entire Work or a separable portion thereof, the Contractor, when so informed by the City, shall immediately take action to increase the rate of work placement by:

(1) An increase in working forces;
(2) An increase in equipment or tools;
(3) An increase in hours of work or number of shifts;
(4) Expediting delivery of materials; and/or
(5) Other action proposed if acceptable to City.

Within five (5) calendar days after such notice from City that the Work is behind schedule, the Contractor shall notify the City in writing of the specific measures taken and/or planned to increase the rate of progress. The Contractor shall include an estimate as to the date of scheduled progress recovery. Should the City deem the plan of action inadequate, the Contractor shall take additional steps to make adjustments as necessary to its plan of action until it meets with the City's approval and such approval is provided in writing by the City.

D. Partial Occupancy or Use. The City may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement between the City and Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Work. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the City and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. Immediately prior to such partial occupancy or use, the City, Contractor and Contract Administrator shall jointly inspect the area to be occupied, or portion of the Work to be used, in order to determine and record the condition of the Work. Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

Section 5. Contractor's Compensation; Time and Method of Payment

A. Maximum Contract Price. For Contractor's performance and completion of the Project, the City shall pay Contractor a fee in accordance with the unit costs established in Contractor's Bid and as finally awarded by the City for a total sum not to exceed **NINE MILLION, FIVE HUNDRED FIFTY-SEVEN THOUSAND, SIX HUNDRED THREE DOLLARS AND 40/100 ($9,557,603.40)** (the "Maximum Contract Price"). At Contractor's own cost and expense, Contractor shall furnish all materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories and services

necessary or convenient to the successful completion of the Project and the carrying out of all duties and obligations in accordance with the terms and conditions set forth in ITB 23-003, including any addenda thereto, Contractor's bid response, the General Conditions, as modified by the Supplementary Conditions, the Plans and Specifications and/or Technical Specifications, including all explanatory matter thereof, as prepared by the City, and any other documents forming the Contract Documents as enumerated in the General Conditions, all of which are made a part hereof and collectively constitute the Contract (the "Work"). Contractor represents that the Maximum Contract Price is sufficient to perform all of the Work set forth in and contemplated by this Agreement.

B. Additional Payment/Retainage Requirements. Additional payment and retainage requirements are included as **Exhibit D**, attached hereto and incorporated herein by reference.

C. Material Deviations. Any material deviations in tests or inspections performed, or times or locations required to complete such tests or inspections, and like deviations from the Work described in this Agreement shall be clearly communicated to the City *before* charges are incurred and shall be handled through written Change Orders, as described in Section 6 below. Whenever the Contract Administrator considers it necessary or advisable, it shall have authority to require inspection or testing of the Work. However, neither this authority of the Contract Administrator nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Contract Administrator to the Contractor, subcontractors, material and equipment suppliers, their agents or employees, or other persons or entities performing portions of the Work.

D. Taxes. The City is a governmental tax-exempt entity and shall not be responsible for paying any taxes on any materials or services provided for herein. At Contractor's request, City shall provide evidence of its tax-exempt status. To the extent, if any, that the City furnishes tangible personal property to Contractor for incorporation into the Project, Contractor shall be responsible for paying the amount of tax owed for such tangible personal property.

Section 6. Change Orders

A. Change Order Defined. A "Change Order" means a written modification of the Contract Documents, signed by representatives of the City and the Contractor with appropriate authorization.

B. Right to Order Changes. The City reserves the right to order changes in the Work to be performed under this Agreement by altering, adding to, or deducting from the Work. All such changes shall be incorporated in written Change Orders and executed by the Contractor and the City. Such Change Orders shall specify the changes ordered and any necessary adjustment of compensation and completion time. If the Parties cannot reach an agreement on the terms for performing the

changed work within a reasonable time to avoid delay or other unfavorable impacts as determined by the City in its sole discretion, the City shall have the right to determine reasonable terms, and the Contractor shall proceed with the changed work.

C. Change Order Requirement. Any work added to the scope of this Agreement by a Change Order shall be executed under all the applicable conditions of this Agreement. No claim for additional compensation or extension of time shall be recognized, unless contained in a written Change Order duly executed on behalf of the City and the Contractor.

D. Authority to Execute Change Order. The authority to execute a change order on behalf of the City shall be in accordance with the City's Procurement Policy, as may be amended from time to time.

E. Minor Changes in the Work. The Contract Administrator will have the authority to order minor changes in the Work not involving adjustment in the Maximum Contract Price or extension of the Term and not inconsistent with the intent of the Contract Documents. Such changes shall be effected by written order signed by the Contract Administrator. The Contractor shall carry out such written orders promptly. If the minor changes subsequently may affect adjustments in the Maximum Contract Price or the Term, the changes shall then be converted to a written Change Order by the requesting Party.

Section 7. Covenants of Contractor

A. Ethics Code; Conflict of Interest.

(i) Contractor agrees that it shall not engage in any activity or conduct that would result in a violation of the City of Alpharetta Code of Ethics or any other similar law or regulation. Contractor certifies that to the best of his knowledge no circumstances exist which will cause a conflict of interest in performing the Work. Should Contractor become aware of any circumstances that may cause a conflict of interest during the Term of this Agreement, Contractor shall immediately notify the City. If the City determines that a conflict of interest exists, the City may require that Contractor take action to remedy the conflict of interest or terminate the Agreement without liability. The City shall have the right to recover any fees paid for services rendered by Contractor when such services were performed while a conflict of interest existed if Contractor had knowledge of the conflict of interest and did not notify the City within five (5) business days of becoming aware of the existence of the conflict of interest.

(ii) Contractor and the City acknowledge that it is prohibited for any person to offer, give, or agree to give any City employee or official, or for any City employee or official to solicit, demand, accept, or agree to accept from another

person, a gratuity of more than nominal value or rebate or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or bid therefor. The Contractor and the City further acknowledge that it is prohibited for any payment, gratuity, or offer of employment to be made by or on behalf of a sub-consultant under a contract to the prime Contractor or higher tier sub-consultant, or any person associated therewith, as an inducement for the award of a subcontract or order.

B. Meetings. The Contractor is required to meet with the City's personnel, or designated representatives, to resolve technical or contractual problems that may occur during the Term of this Agreement at no additional cost to the City. Meetings will occur as problems arise and will be coordinated by the City or the Contract Administrator. The Contractor will be given a minimum of three (3) full business days' notice of meeting date, time, and location. Face-to-face meetings are desired. However, at the Contractor's option and expense, a conference call meeting may be substituted. Consistent failure to participate in problem resolution meetings, two consecutive missed or rescheduled meetings, or failure to make a good faith effort to resolve problems, may result in termination of the contract for cause.

C. Expertise of Contractor. Contractor accepts the relationship of trust and confidence established between it and the City, recognizing that the City's intention and purpose in entering into this Agreement is to engage an entity with the requisite capacity, experience, and professional skill and judgment to provide the Work in pursuit of the timely and competent completion of the Work undertaken by Contractor under this Agreement. The Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations and to further the interests of City and the Project in accordance with City's requirements and procedures, and Contractor shall employ only persons duly qualified in the appropriate area of expertise to perform the Work described in this Agreement.

D. Proper Execution by Contractor. Contractor agrees that it will perform its services in accordance with the usual and customary standards of the Contractor's profession or business and in compliance with all federal, state, and local laws, regulations, codes, ordinances, or orders applicable to the Project, including, but not limited to, O.C.G.A. § 50-5-63, any applicable records retention requirements, and Georgia's Open Records Act (O.C.G.A. § 50-18-70, *et seq.*). Any additional work or costs incurred as a result of error and/or omission by Contractor as a result of not complying with the Contract Documents or not meeting the applicable standard of care or quality, including but not limited to those of repeated procedures and compensation for the Contract Administrator's services or expenses, will be

provided at Contractor's expense and at no additional cost to the City. This provision shall survive termination of this Agreement.

It is the Contractor's responsibility to be reasonably aware of all applicable laws, statutes, ordinances, building codes, and rules and regulations. If the Contractor observes that portions of the Contract Documents are at variance therewith, the Contractor shall promptly notify the Contract Administrator and the City in writing of any portions of the Contract Documents that are at variance with the applicable laws, statutes, ordinances, building codes, and rules and regulations.

The Contractor's duties shall not be diminished by any approval by the City or Contract Administrator of Work completed or produced; nor shall any approval by the City or Contract Administrator of Work completed or produced release the Contractor from any liability therefor, it being understood that the City is ultimately relying upon the Contractor's skill and knowledge in performing the Work required under the Contract Documents.

Organization of the specifications into divisions, sections and articles, and arrangement of drawings shall not control the Contractor in dividing the Work among subcontractors or in establishing the extent of Work to be performed by any trade.

E. Familiarity with the Work.

(i) *Contractor Familiarity with Work.* Contractor represents that it has familiarized itself with the nature and extent of the Contract Documents, the Work, work site(s), locality, and all local conditions, laws and regulations that in any manner may affect cost, progress, performance, or furnishing of the Work. Since the Contract Documents are complementary, before starting each portion of the Work, the Contractor shall carefully study and compare the various Contract Documents, site conditions, authorities, tests, reports and studies relative to that portion of the Work, as well as the information furnished by the City, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the Project site(s) affecting it. Contractor represents and agrees that it has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents. These obligations are for the purpose of facilitating construction by the Contractor and are not for the purpose of discovering errors, omissions, inconsistencies, or ambiguities in the Contract Documents; however, any errors, inconsistencies, omissions, or ambiguities discovered by the Contractor shall be reported promptly to the Contract Administrator and City in writing. Contractor represents that it has given the City written notice of all errors, omissions, inconsistencies, or ambiguities that the Contractor has discovered in the Contract Documents so far, and the written

resolution thereof by the City is acceptable to the Contractor. Further, Contractor acknowledges that its obligation to give notice of all such errors, omissions, inconsistencies, or ambiguities shall be continuing during the Term of this Agreement. Any failure on the part of the Contractor to notify the Contract Administrator and City in writing of any errors, omissions, inconsistencies, or ambiguities in the Contract Documents that Contractor discovered or reasonably should have discovered shall result in a waiver and full release by the Contractor of any future arguments or defenses based on such errors, omissions, inconsistencies, or ambiguities against the City. Further, if the Contractor fails to perform its obligations pursuant to this paragraph, the Contractor shall pay such costs and damages to the City as would have been avoided if the Contractor had performed such obligations.

(ii) *Inspection of Prior Work.* If part of the Contractor's Work depends for proper execution or results upon construction or operations by a separate contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly report to the Contract Administrator apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of the Contractor so to report shall constitute an acknowledgment that the City's or separate contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work, except as to defects not then reasonably discoverable, and Contractor shall be responsible for all costs and damages resulting from its failure to report reasonably discoverable defects.

(iii) *Contractor Requests for Information*. If, with undue frequency (as determined by the City in its sole discretion), the Contractor requests information that is obtainable through reasonable examination and comparison of the Contract Documents, site conditions, and previous correspondence, interpretations or clarifications, the Contractor shall be liable to the City for reasonable charges from the Contract Administrator for the additional services required to review, research and respond to such requests for information.

F. Supervision, Inspection and Construction Procedures. The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Agreement, unless the Contract Documents give other specific instructions concerning these matters. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences or procedures, the Contractor shall evaluate the jobsite safety therefor and, except as stated below, shall be fully and solely responsible for the jobsite safety for such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely written notice to the City and Contract

Administrator and shall not proceed with that portion of the Work without further written instructions from the City or Contract Administrator as approved in writing by the City.

The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of this Agreement. The Contractor shall take reasonable precautions for the safety of, and shall provide reasonable protection to prevent damage, injury or loss to: (a) employees and other persons who may be affected, (b) the Work and materials and equipment to be incorporated therein, whether in storage on or off the Project site(s), under care, custody or control of the Contractor or Contractor's subcontractors or sub-subcontractors, and (c) other property at the Project site(s) or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction. The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.

When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel. If reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the Project site(s) by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and report the condition to the City and Contract Administrator in writing.

G. Tests and Inspections. Tests, inspections and approvals of portions of the Work required by the Contract Documents or by laws, or ordinances, rules, regulations or orders of public authorities having jurisdiction shall be made promptly at an appropriate time to avoid unreasonable delay in the Work. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the City, or with the appropriate public authority, and shall bear all related costs of tests, inspections and approvals. The Contractor shall give the Contract Administrator timely notice of when and where tests and inspections are to be made so that the Contract Administrator may be present for such procedures. Required permits or certificates of testing, inspection or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and delivered to the Contract Administrator within ten (10) calendar days of issuance.

H. Budgetary Limitations. Contractor agrees and acknowledges that budgetary limitations are not a justification for breach of sound principals of Contractor's profession and industry. Contractor shall take no calculated risk in the performance

of the Work. Specifically, Contractor agrees that, in the event it cannot perform the Work within the budgetary limitations established without disregarding sound principals of Contractor's profession and industry, Contractor will give written notice immediately to the City.

I. City's Reliance on the Work. The Contractor acknowledges and agrees that the City does not undertake to approve or pass upon matters of expertise of the Contractor and that therefore, the City bears no responsibility for Contractor's Work performed under this Agreement. The Contractor acknowledges and agrees that the acceptance of Work by the City is limited to the function of determining whether there has been compliance with what is required to be produced under this Agreement. The City will not, and need not, inquire into adequacy, fitness, suitability or correctness of Contractor's performance. Contractor further agrees that no approval of designs, plans, or specifications by any person, body, or agency shall relieve Contractor of the responsibility for adequacy, fitness, suitability, and correctness of Contractor's Work under professional and industry standards, or for performing services under this Agreement in accordance with sound and accepted professional and industry principles.

J. Contractor's Reliance on Submissions by the City. Contractor must have timely information and input from the City in order to perform the Work required under this Agreement. Contractor is entitled to rely upon information provided by the City, but Contractor shall be required to provide immediate written notice to the City if Contractor knows or reasonably should know that any information provided by the City is erroneous, inconsistent, or otherwise problematic.

K. Uncovering and Correction of Work. If a portion of the Work is covered contrary to the Contract Administrator's request or to requirements specifically expressed in the Contract Documents, it must, if required in writing by the Contract Administrator, be uncovered for examination by the Contract Administrator and be replaced at the Contractor's expense without change in the Agreement Term.

If a portion of the Work has been covered which the Contract Administrator has not specifically requested to examine prior to its being covered or which the Contract Documents did not require to remain uncovered until examined, the Contract Administrator may request to see such Work, and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, costs of uncovering and replacement shall, by appropriate Change Order, be at the City's expense, which expense shall be agreed upon in writing prior to being incurred. If such Work is not in accordance with the Contract Documents, correction shall be at the Contractor's expense, unless the condition was caused by the City, in which event the City shall be responsible for payment of such costs including reasonable charges, if any, by the Contract Administrator for additional service, which expense shall be agreed upon in writing prior to being incurred.

If the City prefers to accept Work that is not in accordance with the requirements

of the Contract Documents, the City may do so instead of requiring its removal and correction, in which case the Maximum Contract Price will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

L. Clean Up. Contractor shall keep the Project site(s) and surrounding area free from accumulation of waste materials or rubbish caused by operations under this Agreement. At completion of the Work, the Contractor shall remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials. The Contractor shall also restore any temporary easement areas to substantially their original condition (less any removed structures or vegetation for which the owner has been compensated). If the Contractor fails to clean up and remediate temporary easement areas as provided in the Contract Documents, the City may do so, and the cost thereof shall be charged to the Contractor.

M. Contractor's Representative. **JOHN E. CARMACK, General Manager,** shall be authorized to act on Contractor's behalf with respect to the Work as Contractor's designated representative.

N. Independent Contractor. Contractor hereby covenants and declares that it is engaged in an independent business and agrees to perform the Work as an independent contractor and not as the agent or employee of the City. Nothing contained in this Agreement shall be construed to make the Contractor, or any of its employees, servants or subcontractors, an employee, servant or agent of the City for any purpose. The Contractor agrees to be solely responsible for its own matters relating to the time and place the Work is performed and the method used to perform such Work; the instrumentalities, tools, supplies, and/or materials necessary to complete the Work; hiring of subcontractors, agents, or employees to complete the Work; and the payment of employees, including benefits and compliance with Social Security, withholding, and all other regulations governing such matters. The Contractor agrees to be solely responsible for its own acts and those of its subordinates, employees, and subcontractors during the life of this Agreement. There shall be no contractual relationship between any subcontractor or supplier and the City by virtue of this Agreement with the Contractor. Any provisions of this Agreement that may appear to give the City the right to direct Contractor as to the details of the services to be performed by Contractor or to exercise a measure of control over such services will be deemed to mean that Contractor shall follow the directions of the City with regard to the results of such services only. It is further understood that this Agreement is not exclusive, and the City may hire additional entities to perform Work related to this Agreement.

Inasmuch as the City and the Contractor are independent of each other, neither has the authority to bind the other to any third person or otherwise to act in any way as the representative of the other, unless otherwise expressly agreed to in writing signed by both Parties hereto. The Contractor agrees not to represent itself as the

City's agent for any purpose to any party or to allow any employee of the Contractor to do so, unless specifically authorized, in advance and in writing, to do so, and then only for the limited purpose stated in such authorization. The Contractor shall assume full liability for any contracts or agreements the Contractor enters into on behalf of the City without the express knowledge and prior written consent of the City.

O. Responsibility of Contractor and Indemnification of City. The Contractor covenants and agrees to take and assume all responsibility for the Work rendered in connection with this Agreement. The Contractor shall bear all losses and damages directly or indirectly resulting to it and/or the City on account of the performance or character of the Work rendered pursuant to this Agreement. To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless the City and the City's elected and appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys and volunteers (individually an "Indemnified Party" and collectively "Indemnified Parties") from and against any and all claims, suits, actions, judgments, injuries, damages, losses, costs, expenses and liability of any kind whatsoever, including, but not limited to, attorney's fees and costs of defense ("Liabilities"), which may arise from or be the result of alleged willful, negligent, or tortious act or omission arising out of the Work, performance of contracted services, or operations by the Contractor, any subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts the Contractor or subcontractor may be liable, regardless of whether or not the act or omission is caused in part by a party indemnified hereunder. This indemnity obligation does not include Liabilities caused by or resulting from the sole negligence of an Indemnified Party. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this provision.

In any and all claims against an Indemnified Party, by any employee of the Contractor, its subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts the Contractor or subcontractor may be liable, the indemnification obligation set forth in this provision shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or any subcontractor under workers' or workmen's compensation acts, disability benefit acts, or other employee benefit acts. This obligation to indemnify, defend, and hold harmless the Indemnified Party(ies) shall survive expiration or termination of this Agreement, provided that the claims are based upon or arise out of actions or omissions that occurred during the performance of this Agreement.

P. Insurance.

(1) Requirements: The Contractor shall have and maintain in full force and effect for the duration of this Agreement, insurance insuring against claims

for injuries to persons or damages to property which may arise from or in connection with the performance of the Work by the Contractor, its agents, representatives, employees or subcontractors. All policies shall be subject to approval by the City as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the City Administrator.

(2) Minimum Limits of Insurance: Contractor shall maintain the following insurance policies with coverage and limits no less than:

(a) *Commercial General Liability*: $2,000,000 (two million dollars) combined single limit per occurrence aggregate comprehensive/ extended/enhanced Commercial General Liability policy with coverage including bodily and personal injury, sickness, disease or death, injury to or destruction of property, including loss of use resulting therefrom, damage to premises/operations, products/ completed operations, independent consultants and contractual liability (specifically covering the indemnity), broad-from property damage, and underground, explosion and collapse hazard. This coverage may be achieved by using an excess or umbrella policy. The policy or policies must be on "an occurrence" basis ("claims made" coverage is not acceptable). If a general aggregate limit applies, the general aggregate limit shall apply separately to this project/location, and the general aggregate limit shall be twice the required occurrence limit.

(b) *Commercial Automobile Liability (owned, non-owned, hired)*: $1,000,000 (one million dollars) for bodily or personal injury liability (including sickness, disease or death) and $100,000 (one hundred thousand dollars) for property damage liability (including destruction of property), combined single limit per occurrence aggregate comprehensive Commercial Automobile liability coverage (owned, non-owned, hired), including loss of use resulting therefrom.

(c) *Workers' Compensation and Employers' Liability*: Workers' Compensation policy with limits as required by the State of Georgia and Employers' Liability limits of $500,000 (five hundred thousand dollars) per occurrence or disease, per employee.

(d) *Builder's Risk Insurance*: Contractor shall provide a Builder's Risk Insurance Policy to be made payable to the City and Contractor, as their interests may appear. The policy amount shall be equal to 100% of the Maximum Contract Price, written on a Builder's Risk "All Risk," or its equivalent. The policy shall provide, or be endorsed to provide, as follows: "The following may occur without

diminishing, changing, altering or otherwise affecting the coverage and protection afforded the insured under this policy: i) Equipment may be delivered to the insured premises and installed in place ready for use; and ii) Partial or complete occupancy by City; and iii) Performance of Work in connection with construction operations insured by the City, by its agents or lessees, or other contractors of the City or using agency." The insurance coverage shall include extended coverage, and providing coverage for transit, with sub-limits sufficient to insure the full replacement value of the property or equipment removed from its site and while located away from its site until the date of final acceptance of the Work.

(e) *Commercial Umbrella Liability Coverage*: $5,000,000 (five million dollars) per occurrence and in the aggregate shall be provided and will apply over all liability policies, without exception, including but not limited to Commercial General Liability, Commercial Automobile Liability, and Employers' Liability.

(3) Deductibles and Self-Insured Retentions: Any deductibles or self-insured retentions must be declared to and approved by the City in writing so that the City may ensure the financial solvency of the Contractor; self-insured retentions should be included on the certificate of insurance.

(4) Other Insurance Provisions: Each policy shall contain, or be endorsed to contain, the following provisions respectively:

(a) General Liability, Automobile Liability and (if applicable) Umbrella Liability Coverage.

(i) *Additional Insured Requirement*. The City and City's elected and appointed officials, officers, boards, commissioners, employees, representatives, consultants, servants, agents and volunteers (individually "Insured Party" and collectively "Insured Parties") shall be named as additional insureds as respects: liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, leased, or used by the Contractor; automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Insured Parties. Nothing contained in this section shall be construed to require the Contractor to provide liability insurance coverage to any Insured Party for claims asserted against such Insured Party for its sole negligence.

(ii) *Primary Insurance Requirement*. The Contractor's insurance coverage shall be primary noncontributing insurance as respects to any other insurance or self-insurance available to the Insured Parties. Any insurance or self-insurance maintained by the Insured Parties shall be in excess of the Contractor's insurance and shall not contribute with it.

(iii) *Reporting Requirement*. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Insured Parties.

(iv) *Separate Coverage*. Coverage shall state that the Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to limits of insurance provided.

(v) *Defense Costs/Cross Liability*. Coverage shall be provided on a "pay on behalf" basis, with defense costs payable in addition to policy limits. There shall be no cross-liability exclusion.

(vi) *Subrogation*. The insurer shall agree to waive all rights of subrogation against the Insured Parties for losses arising from Work performed by the Contractor for the City.

(b) Workers' Compensation Coverage: The insurer providing Workers' Compensation Coverage will agree to waive all rights of subrogation against the Insured Parties for losses arising from Work performed by the Contractor for the City.

(c) All Coverages:

(i) *Notice Requirement*. Each insurance policy required by this Agreement shall be endorsed to state that coverage shall not be reduced, suspended, voided, or canceled except after thirty (30) calendar days prior written notice (or 10 calendar days if due to non-payment) has been given to the City. The City reserves the right to accept alternate notice terms and provisions, provided they meet the minimum requirements under Georgia law.

(ii) *Starting and Ending Dates*. Policies shall have concurrent starting and ending dates.

(iii) *Incorporation of Indemnification Obligations*. Policies shall

include an endorsement incorporating the indemnification obligations assumed by the Contractor under the terms of this Agreement, including but not limited to Section 7(O) of this Agreement.

(5) Acceptability of Insurers: The insurance to be maintained by Contractor must be issued by a company licensed or approved by the Insurance Commissioner to transact business in the State of Georgia. Such insurance shall be placed with insurer(s) with an A.M. Best Policyholder's rating of no less than "A-" and with a financial rate of Class VII or greater. The Contractor shall be responsible for any delay resulting from the failure of its insurer to provide proof of coverage in the prescribed form.

(6) Verification of Coverage: Contractor shall furnish to the City for City approval certificates of insurance and endorsements to the policies evidencing all coverage required by this Agreement prior to the start of work. Without limiting the general scope of this requirement, Contractor is specifically required to provide an endorsement naming the City as an additional insured when required. The certificates of insurance and endorsements for each insurance policy are to be on a form utilized by Contractor's insurer in its normal course of business and are to be signed by a person authorized by that insurer to bind coverage on its behalf, unless alternate sufficient evidence of their validity and incorporation into the policy is provided. The City reserves the right to require complete, certified copies of all required insurance policies at any time. The Contractor shall provide proof that any expiring coverage has been renewed or replaced prior to the expiration of the coverage.

(7) Contractor's Duty to Provide Notice of Reduction in Coverage: Contractor shall provide written notice to City at least thirty (30) days prior to any reduction, suspension, voiding, or cancellation of coverage. Contractor shall require the same notice to the City in all subcontractor contracts.

(8) Subcontractors: Contractor shall either (1) ensure that its insurance policies (as described herein) cover all subcontractors and the Work performed by such subcontractors or (2) ensure that any subcontractor secures separate policies covering that subcontractor and its Work. All coverage for subcontractors shall be subject to all of the requirements stated in this Agreement, including, but not limited to, naming the Insured Parties as additional insureds.

(9) Claims-Made Policies: Contractor shall extend any claims-made insurance policy for at least six (6) years after termination or final payment under the Agreement, whichever is later, and have an effective date which is on or prior to the Effective Date.

(10) Progress Payments: The making of progress payments to the Contractor shall not be construed as relieving the Contractor or its subcontractor or insurance carriers from providing the coverage required in this Agreement.

Q. Bonds. The Contractor shall provide Performance and Payment bonds on the forms attached hereto within **Exhibit A**. All bond sureties shall be licensed to do business in Georgia and listed on the Treasury Department's most current list (Circular 570 as amended). All bonds shall be approved as to form and as to the solvency of the surety by an officer of the City negotiating this Agreement. Contractor shall maintain the payment and performance bonds throughout the Term of this Agreement and shall increase the amount of such bonds if the total payment amount of this Agreement increases. Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under this Agreement, the Contractor shall promptly furnish a copy of the bonds or shall permit a copy to be made.

R. Assignment of Agreement. The Contractor covenants and agrees not to assign or transfer any interest in, or delegate any duties of this Agreement, without the prior express written consent of the City. As to any approved subcontractors, the Contractor shall be solely responsible for reimbursing them, and the City shall have no obligation to them.

S. Employment of Unauthorized Aliens Prohibited – *E-Verify Affidavit*. Pursuant to O.C.G.A. § 13-10-91, the Contractor hereby verifies that it has, prior to executing this Agreement, executed a notarized affidavit, the form of which is provided in **Exhibit B**, and submitted such affidavit to City. Further, Contractor hereby agrees to comply with the requirements of the federal Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603, O.C.G.A. § 13-10-91 and Georgia Department of Labor Rule 300-10-1-.02.

In the event the Contractor employs or contracts with any subcontractor(s) in connection with the covered contract, the Contractor agrees to secure from such subcontractor(s) attestation of the subcontractor's compliance with O.C.G.A. § 13-10-91 and Rule 300-10-1-.02 by the subcontractor's execution of the subcontractor affidavit, the form of which is provided in **Exhibit A**, which subcontractor affidavit shall become part of the contractor/subcontractor agreement; or evidence that the subcontractor is not required to provide such an affidavit because it is licensed and in good standing as noted in sub-subsection (2); or, in the case of a sole proprietor subcontractor, a copy of subcontractor's state issued driver's license or state issued identification card as noted in sub-subsection (3) above. Contractor agrees to provide a completed copy of the above-required materials to the City within five (5) business days of receipt from any subcontractor.

Contractor agrees that the employee-number category designated below is applicable to the Contractor.

____ 500 or more employees.
____ 100 or more employees.
XX Fewer than 100 employees.

Contractor hereby agrees that, in the event Contractor employs or contracts with any subcontractor(s) in connection with this Agreement and where the subcontractor is required to provide an affidavit pursuant to O.C.G.A. § 13-10-91, the Contractor will secure from the subcontractor(s) such subcontractor(s') indication of the above employee-number category that is applicable to the subcontractor.

The above requirements shall be in addition to the requirements of State and federal law and shall be construed to be in conformity with those laws.

T. Records, Reports and Audits.

(1) Records:

(a) Books, records, documents, account legers, data bases, and similar materials relating to the Work performed for the City under this Agreement ("Records") shall be established and maintained by the Contractor in accordance with applicable law and requirements prescribed by the City with respect to all matters covered by this Agreement. Such Records shall include, but not be limited to, current and complete books of account of all transactions with respect to the Project. Such books of account shall be kept in accordance with sound accounting practices consistently applied, and otherwise in such manner as shall be reasonably required by the City. Except as otherwise authorized or required, such Records shall be maintained for at least three (3) years from the date that final payment is made to Contractor by City under this Agreement. Furthermore, Records that are the subject of audit findings shall be retained for three (3) years or until such audit findings have been resolved, whichever is later.

(b) All costs claimed or anticipated to be incurred in the performance of this Agreement shall be supported by properly executed payrolls, time records, invoices, contracts, or vouchers, or other official documentation evidencing in proper detail the nature and propriety of the charges. All checks, payrolls, invoices, contracts, vouchers, orders, or other accounting documents pertaining in whole or in part to this Agreement shall be clearly identified and readily accessible.

(2) Reports and Information: Upon request, the Contractor shall furnish to the City any and all Records in the form requested by the City. All Records

stored on a computer database must be of a format compatible with the City's computer systems and software.

(3) Audits and Inspections: At any time during normal business hours and as often as the City may deem necessary, Contractor shall make available to the City or City's representative(s) for examination all Records. The Contractor will permit the City or City's representative(s) to audit, examine, and make excerpts or transcripts from such Records. Contractor shall provide proper facilities for City or City's representative(s) to access and inspect the Records, or, at the request of the City, shall make the Records available for inspection at the City's office. Further, Contractor shall permit the City or City's representative(s) to observe and inspect any or all of Contractor's facilities and activities during normal hours of business for the purpose of evaluating Contractor's compliance with the terms of this Agreement. In such instances, the City or City's representative(s) shall not interfere with or disrupt such activities.

U. Confidentiality. Contractor acknowledges that it may receive confidential information of the City and that it will protect the confidentiality of any such confidential information and will require any of its subcontractors, contractors, and/or staff to likewise protect such confidential information. The Contractor agrees that confidential information it receives or such reports, information, opinions, or conclusions that Contractor creates under this Agreement shall not be made available to, or discussed with, any individual or organization, including the news media, without prior written approval of the City. Contractor shall exercise reasonable precautions to prevent the unauthorized disclosure and use of City information whether specifically deemed confidential or not.

Contractor acknowledges that the City's disclosure of documentation is governed by Georgia's Open Records Act, and Contractor further acknowledges that, if Contractor submits records containing trade secret information and if Contractor wishes to keep such records confidential, Contractor must submit and attach to such records an affidavit affirmatively declaring that specific information in the records constitutes trade secrets pursuant to Article 27 of Chapter 1 of Title 10, and the Parties shall follow the requirements of O.C.G.A. § 50-18-72(a)(34) related thereto.

V. Licenses, Certifications and Permits. The Contractor covenants and declares that it has obtained all diplomas, certificates, licenses, permits, or the like required of the Contractor by any and all national, state, regional, county or local boards, agencies, commissions, committees or other regulatory bodies in order to perform the Work contracted for under this Agreement; provided that some permits or licenses related to the Project may be obtained as part of the Work and shall be obtained as required. The Contractor shall secure and pay for the building permit and other permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work, which are customarily secured after

execution of the Agreement and which are legally required. Contractor shall furnish copies of such permits, licenses, etc. to the City within ten (10) days after issuance.

W. Personnel

(i) *Employment of City Personnel*. Contractor shall not employ any person or persons in the employ of, or having any contractual relationship with, the City for any Work required by the terms of this Agreement without the written permission of the City.

(iii) *Subcontractors.* Contractor shall not subcontract with any third party for the performance of any portion of the Work without the prior written consent of the City. By appropriate written agreement, Contractor shall require each subcontractor, to the extent of the Work to be performed by the subcontractor, to be bound to Contractor by terms of the Contract Documents, and to assume toward Contractor all obligations and responsibilities, including the responsibility for safety of the subcontractor's Work, which Contractor, by the Contract Documents, assumes toward the City. Each subcontract agreement for a portion of the Work must contain a provision allowing assignment of the subcontract agreement by Contractor to the City in the event that this Agreement is terminated by the City for cause and City notifies Contractor and subcontractor of its intent to accept such assignment; provided that any assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Agreement. Contractor shall be solely responsible for any such subcontractors in terms of performance and compensation.

X. Authority to Contract. The Contractor covenants and declares that it has obtained all necessary approvals of its board of directors, stockholders, general partners, limited partners, or similar authorities to simultaneously execute and bind Contractor to the terms of this Agreement, if applicable.

Y. Ownership of Work. All reports, designs, drawings, plans, specifications, schedules, work product, and other materials, including, but not limited to, those in electronic form, prepared or in the process of being prepared for the Work to be performed by the Contractor ("Materials") shall be the property of the City, and the City shall be entitled to full access and copies of all Materials in the form prescribed by the City. Any Materials remaining in the hands of the Contractor or subcontractor upon completion or termination of the Work shall be delivered immediately to the City whether or not the Project or Work is commenced or completed, provided; however, that Contractor may retain a copy of any deliverables for its records. The Contractor assumes all risk of loss, damage or destruction of or to Materials. If any Materials are lost, damaged, or destroyed before final delivery to the City, the Contractor shall replace them at its own expense. Any and all copyrightable subject matter in all Materials is hereby

assigned to the City, and the Contractor agrees to execute any additional documents that may be necessary to evidence such assignment.

Z. Nondiscrimination. In accordance with Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and all other provisions of Federal law, the Contractor agrees that, during performance of this Agreement, Contractor, for itself, its assignees and successors in interest, will not discriminate against any employee or applicant for employment, any subcontractor, or any supplier because of race, color, creed, national origin, gender, age or disability. In addition, Contractor agrees to comply with all applicable implementing regulations and shall include the provisions of this paragraph in every subcontract for services contemplated under this Agreement.

Section 8. Covenants of the City

A. Right of Entry. The City shall provide for right of entry for Contractor and Contractor's equipment as required for Contractor to complete the Work, provided that Contractor shall not unreasonably encumber the Project site(s) with materials or equipment.

B. City's Representative. **PETE SEWCZWICZ, Director of Public Works,** shall be authorized to act on the City's behalf with respect to the Work as the City's designated representative on this Project, provided that any changes to the Work or the terms of this Agreement must be approved as provided in Section 6 above.

Section 9. Final Project Documents

Prior to final payment, Contractor shall deliver to City a written assignment of all warranties, guaranties, certificates, permits, and other documents, including without limitation, all contractors' and manufacturers' warranties. At such time, Contractor shall also deliver to the City copies of all as-built drawings, operations, and maintenance manuals, and any other pertinent documents relating to the construction and operation of the Work that is not otherwise in the possession of the City.

Section 10. Termination

A. For Convenience. The City may terminate this Agreement for convenience at any time upon providing written notice thereof to Contractor at least seven (7) calendar days in advance of the termination date.

B. For Cause. The Contractor shall have no right to terminate this Agreement prior to completion of the Work, except in the event of City's failure to pay the Contractor within thirty (30) calendar days of Contractor providing the City with notice of a

delinquent payment and a reasonable opportunity to cure. The City may terminate this Agreement for cause as provided in Section 11 of this Agreement. The City shall give Contractor at least seven (7) calendar days' written notice of its intent to terminate the Agreement for cause and the reasons therefor, and if Contractor, or its Surety, fails to cure the default within that period, the termination shall take place without further notice. The City shall then make alternative arrangements for completion of the Project.

C. Statutory Termination. In compliance with O.C.G.A. § 36-60-13, this Agreement shall be deemed terminated as provided in Section 4(A) of this Agreement. Further, this Agreement shall terminate immediately and absolutely at such time as appropriated or otherwise unobligated funds are no longer available to satisfy the obligation of the City.

D. Payment. Provided that no damages are due to the City for Contractor's failure to perform in accordance with this Agreement, and except as otherwise provided herein, the City shall, upon termination for convenience or statutory termination, pay Contractor for Work performed prior to the date of termination in accordance with Section 5 herein. The City shall have no further liability to Contractor for such termination. At its sole discretion, the City may pay Contractor for additional value received as a result of Contractor's efforts, but in no case shall said payment exceed any remaining unpaid portion of the Maximum Contract Price.

If this Agreement is terminated for cause, the City will make no further payment to the Contractor or its Surety until the Project is completed and all costs of completing the Project are paid. If the unpaid balance of the amount due the Contractor, according to this Agreement, exceeds the cost of finishing the Project, City shall provide payment to the Contractor (or its Surety) for services rendered and expenses incurred prior to the termination date, provided that such payment shall not exceed the unpaid balance of the amount otherwise payable under this Agreement minus the cost of completing the Project. If the costs of completing the Project exceed the unpaid balance, the Contractor or its Surety shall pay the difference to the City.

E. Assumption of Contracts. The City reserves the right in termination for cause to take assignment of all contracts between the Contractor and its subcontractors, vendors, and suppliers. The City will promptly notify the Contractor of the contracts the City elects to assume. Upon receipt of such notice, the Contractor shall promptly take all steps necessary to effect such assignment.

F. Conversion to Termination for Convenience. If the City terminates this Agreement for cause and it is later determined that the City did not have grounds to do so, the termination will be converted to and treated as a termination for convenience under the terms of Section 10(A) above.

G. Requirements Upon Termination. Upon termination, the Contractor shall: (1)

promptly discontinue all services, cancel as many outstanding obligations as possible if requested to do so by the City, and not incur any new obligations, unless the City directs otherwise; and (2) promptly deliver to the City all data, drawings, reports, summaries, and such other information and materials as may have been generated or used by the Contractor in performing this Agreement, whether completed or in process, in the form specified by the City.

H. Reservation of Rights and Remedies. The rights and remedies of the City and the Contractor provided in this Section are in addition to any other rights and remedies provided under this Agreement or at law or in equity. Specifically, and without limiting the generality of the foregoing, City may, with or without terminating this Agreement, bring an action against Consultant to recover from Consultant all damages, recoverable at law, suffered, incurred or sustained by City as a result of, by reason of, in connection with, or arising out of Consultant's default.

Section 11. City's Rights; Contractor Default

A. City Rights Related to the Work.

(i) *City's Right to Stop the Work.* If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents, as required by the Contract Administrator, or persistently fails to carry out Work in accordance with the Contract Documents, the City may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the City to stop the Work shall not give rise to a duty on the part of the City to exercise this right for the benefit of the Contractor or any other person or entity. Such a stoppage of Work shall not extend the Expected Date of Final Completion of the Work.

(ii) *City's Right to Carry Out the Work.* If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a seven (7) calendar day period after receipt of written notice from the City to commence and/or continue correction of such default or neglect with diligence and promptness, the City may, without prejudice to other remedies the City may have, correct such deficiencies. In such case, an appropriate Change Order shall be issued deducting from payments then or thereafter due the Contractor the reasonable cost of correcting such deficiencies, including City's expenses and compensation for the Architect/Engineer's and/or Contract Administrator's additional services (if any) made necessary by such default, neglect or failure. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the City.

B. Contractor Default. For the purposes of this Agreement, Contractor shall be in default if any of the following occur during the Term of this Agreement: (a) a failure to fulfill in a timely and proper manner Contractor's obligations under this Agreement; (b) Contractor violates any of the material provisions, agreements, representations or

covenants of this Agreement or any applicable city, state, or federal laws, which do not fall within the force majeure provisions of this Agreement; (c) the Contractor becomes insolvent or unable to pay its debts as they mature, or makes an assignment for the benefit of creditors, or files a bankruptcy petition under the United States Bankruptcy Code; or (d) Contractor is the subject of a judgment or order for payment of money, which judgment or order exceeds $100,000 and is no longer subject to appeal or, in the opinion of the City, would be fruitless to appeal and where (i) such judgment or order shall continue un-discharged or unpaid for a period of thirty (30) calendar days and an insurer has not acknowledged that such judgment or order is fully covered by a relevant policy of insurance, or (ii) the City is otherwise reasonably satisfied that such judgment or order is not likely to be satisfied or complied with within sixty (60) calendar days of its issuance.

In the event of Contractor's default under this Agreement, the City shall send written notice to the Contractor setting forth the specific instances of the default and providing the Contractor with at least seven (7) calendar days to cure or otherwise remedy the default to the reasonable satisfaction of the City. If the default is not remedied during the stated cure period, then the City may, at its election: (a) in writing terminate the Agreement in whole or in part; (b) cure such default itself and charge the Contractor for the costs of curing the default against any sums due or which become due to the Contractor under this Agreement; and/or (c) pursue any other remedy then available, at law or in equity, to the City for such default.

Section 12. Miscellaneous

A. Complete Agreement. This Agreement, including all of the Contract Documents, constitutes the complete agreement between the Parties and supersedes any and all other agreements, either oral or in writing, between the Parties with respect to the subject matter of this Agreement. No other agreement, statement, or promise relating to the subject matter of this Agreement not contained in this Agreement or the Contract Documents shall be valid or binding. This Agreement may be modified or amended only by a written document signed by representatives of both Parties with appropriate authorization.

B. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Georgia without regard to choice of law principles. If any action at law or in equity is brought to enforce or interpret the provisions of this Agreement, the rules, regulations, statutes and laws of the State of Georgia will control. Any action or suit related to this Agreement shall be brought in the Superior Court of Fulton County, Georgia, or the U.S. District Court for the Northern District of Georgia, and Contractor submits to the jurisdiction and venue of such court.

C. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument.

D. Invalidity of Provisions; Severability. Should any article(s) or section(s) of this

Agreement, or any part thereof, later be deemed illegal, invalid or unenforceable by a court of competent jurisdiction, the offending portion of the Agreement should be severed, and the remainder of this Agreement shall remain in full force and effect to the extent possible as if this Agreement had been executed with the invalid portion hereof eliminated, it being the intention of the Parties that they would have executed the remaining portion of this Agreement without including any such part, parts, or portions that may for any reason be hereafter declared invalid.

E. Business License. Prior to commencement of the Work to be provided hereunder, Contractor shall apply to the City for a business license, pay the applicable business license fee, and maintain said business license during the Term of this Agreement, unless Contractor provides evidence that no such license is required.

F. Notices.

(1) *Communications Relating to Day-to-Day Activities.*

All communications relating to the day-to-day activities of the Work shall be exchanged between **PETE SEWCZWICZ, Director of Public Works,** for the City, and **JOHN E. CARMACK, General Manager,** for the Contractor.

(2) *Official Notices.*

All other notices, requests, demands, writings, or correspondence, as required by this Agreement, shall be in writing and shall be deemed received, and shall be effective, when (1) personally delivered, or (2) on the third calendar day after the postmark date when mailed by certified mail, postage prepaid, return receipt requested, or (3) upon actual delivery when sent *via* national overnight commercial carrier to the Party at the addresses given below, or at a substitute address previously furnished to the other Party by written notice in accordance herewith:

NOTICE TO CITY shall be sent to:

City of Alpharetta, Georgia
Attn: Pete Sewczwicz, Director of Public Works
Alpharetta City Hall
2 Park Plaza
Alpharetta, GA 30009
Tel: 678-297-6219
Email: psewczwicz@alpharetta.ga.us
With a copy to City's Project Manager:

City of Alpharetta
Attn: Scott Campbell

1790 Hembree Road
Alpharetta, GA 30009
Tel: 678-297-6227
Email: sjcampbell@alpharetta.ga.us

NOTICE TO CONTRACTOR shall be sent to:

Georgia Bridge and Concrete, LLC
Attn: John E. Carmack
General Manager
PO Box 327
Tucker, GA 30085
Email: jcarmack@georgiabridge.net

G. Waiver of Agreement. No failure by the City to enforce any right or power granted under this Agreement, or to insist upon strict compliance by Contractor with this Agreement, and no custom or practice of the City at variance with the terms and conditions of this Agreement shall constitute a general waiver of any future breach or default or affect the City's right to demand exact and strict compliance by Contractor with the terms and conditions of this Agreement. Further, no express waiver shall affect any term or condition other than the one specified in such waiver, and that one only for the time and manner specifically stated.

H. Survival. All sections of this Agreement which by their nature should survive termination will survive termination, including, without limitation, confidentiality obligations, warranties, and insurance maintenance requirements.

I. Sovereign Immunity. Nothing contained in this Agreement shall be construed to be a waiver of the City's sovereign immunity or any individual's qualified good faith or official immunities.

J. No Personal Liability. Nothing herein shall be construed as creating any individual or personal liability on the part of any of City's elected or appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys or volunteers. No such individual shall be personally liable to the Contractor or any successor in interest in the event of any default or breach by the City or for any amount which may become due to the Contractor or successor or on any obligation under the terms of this Agreement. Likewise, Contractor's performance of services under this Agreement shall not subject Contractor's individual employees, officers, or directors to any personal liability, except where Contractor is a sole proprietor. The Parties agree that their sole and exclusive remedy, claim, demand, or suit shall be directed and/or asserted only against Contractor or the City, respectively, and not against any elected or appointed official, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys and volunteers.

K. Force Majeure. Neither the City nor Contractor shall be liable for their respective non-negligent or non-willful failure to perform or shall be deemed in default with respect to the failure to perform (or cure a failure to perform) any of their respective duties or obligations under this Agreement or for any delay in such performance due to: (i) any cause beyond their respective reasonable control; (ii) any act of God; (iii) any change in applicable governmental rules or regulations rendering the performance of any portion of this Agreement legally impossible; (iv) earthquake, fire, explosion, or flood; (v) strike or labor dispute, excluding strikes or labor disputes by employees and/or agents of Contractor; (vi) delay or failure to act by any governmental or military authority; or (vii) any war, hostility, embargo, sabotage, civil disturbance, riot, insurrection, or invasion. In such event, the time for performance shall be extended by an amount of time equal to the period of delay caused by such acts, and all other obligations shall remain intact.

L. Headings. All headings herein are intended for convenience and ease of reference purposes only and in no way define, limit, or describe the scope or intent thereof, or of this Agreement, or in any way affect this Agreement.

M. No Third-Party Rights. This Agreement shall be exclusively for the benefit of the Parties and shall not provide any third parties with any remedy, claim, liability, reimbursement, cause of action or other right.

N. Successors and Assigns. Subject to the provision of this Agreement regarding assignment, each Party binds itself, its partners, successors, assigns, and legal representatives to the other Party hereto, its partners, successors, assigns, and legal representatives with respect to all covenants, agreements, and obligations contained in the Contract Documents.

O. Agreement Construction and Interpretation. Contractor represents that it has reviewed and become familiar with this Agreement. The Parties hereto agree that, if an ambiguity or question of intent or interpretation arises, this Agreement is to be construed as if the Parties had drafted it jointly, as opposed to being construed against a Party because it was responsible for drafting one or more provisions of the Agreement. In the interest of brevity, the Contract Documents may omit modifying words such as “all” and “any” and articles such as “the” and “an,” but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

P. Material Condition. Each term of this Agreement is material, and Contractor’s breach of any term of this Agreement shall be considered a material breach of the entire Agreement and shall be grounds for termination or exercise of any other remedies available to the City at law or in equity.

Q. Use of Singular and Plural. Words or terms used as nouns in the Agreement shall be inclusive of their singular and plural forms, unless the context of their usage clearly requires contrary meaning.

R. Exhibits. Each and every exhibit referred to or otherwise mentioned in this Agreement is attached to this Agreement and is and shall be construed to be made a part of this Agreement by such reference or other mention at each point at which such reference or other mention occurs, in the same manner and with the same effect as if each exhibit were set forth in full and at length every time it is referred to or otherwise mentioned.

S. Defined Terms. Capitalized terms used in this Agreement shall have the meanings ascribed to them at the point where first defined, irrespective of where their use occurs, with the same effect as if the definitions of such terms were set forth in full and at length every time such terms are used.

T. Pronouns. Wherever appropriate in this Agreement, personal pronouns shall be deemed to include the other genders and the singular to include the plural.

[signature page follows]

IN WITNESS WHEREOF, the parties hereto have each caused this Contract to be executed and delivered by a duly authorized officer, agent or official as of the date set forth below.

CITY OF ALPHARETTA, GEORGIA

By:_____
Jim Gilvin, Mayor

Date: _____

Approved as to substance:

_____
Chris Lagerbloom, City Administrator

Approved as to form:
JARRARD & DAVIS, LLP

_____
Molly N. Esswein, City Attorney

GEORGIA BRIDGE AND CONCRETE, LLC

By: _____
John E. Carmack, General Manager

Attest:

By: _____
Minton O'Neal, Chief Operating Officer

Date: _____

EXHIBIT A

CITY SOLICITATION DOCUMENT
INVITATION TO BID 23-003

CITY OF ALPHARETTA INVITATION TO BID (ITB)

ITB Number: 23-003

ITB Title: Webb Bridge Road Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway

ITB SPECIFICATIONS

A. ITB Period of No Communication

The no communication period starts on the issue date of this ITB, September 29, 2022 and lasts until the City Council meeting for contract award recommendation (or until contract award if this is not required to go before council for approval).

Any person or company, their employees, representatives, agents, attorneys, etc. must not contact the City's elected officials or any City staff concerning this ITB.

Contacting anyone other than the Procurement Agent named below for this ITB during this time will be reason to remove a bid from review.

B. Procurement Agent, Single Point of Contact

Debora Westbrook is the Procurement Agent and Single Point of Contact for this ITB and is the only contact representing the City for this ITB.

Enter all questions or comments using Opportunity Q&A tab at the Bonfire project web page. Debora can be reached at 678-297-6052 or purchasing@alpharetta.ga.us.

City of Alpharetta
2 Park Plaza
Alpharetta, GA 30009
Attn: Debora Westbrook, Procurement Agent

C. ITB Schedule of Events

A. **Bidding Close Date, Deadline for Submissions: October 27, 2022, 2:00 PM.** We may change this date during the ITB process. We will post any change in an addendum. Review web page for addenda.

B. Link to Bonfire Project Web Page: https://cityofalpharetta.bonfirehub.com/

C. This project web page has the important dates and all project documents for this ITB.

D. Enter all questions, comments, requests for information before the Questions Due Date using ✉ **Message – Opportunity Q&A** at the project web page.

E. In each question, clearly tell the ITB document and section that is in question.

F. We will share any changes or added information from the City by a written addendum. We will make the information available to the public on the project web page.

G. It is your responsibility to check the project web page for any addenda, other information, or other messages before finally uploading a bid. You must respond using any updated information.

H. A public bid opening will be held shortly after the ITB due date / time has passed. The public bid opening will be held via Zoom.

Opening Date and time: October 27, 2022; 2:00 PM

Topic: ITB 23-003 Webb Br Rd Bridge Replacement Public Bid Opening
Time: Oct 27, 2022 2:00 PM Eastern Time (US and Canada)
Join Zoom Meeting
https://us04web.zoom.us/j/3051332793?pwd=UFNoWHhrVlBpQ2gyZWtDWW5rcHpIdz09
Meeting ID: 305 133 2793
Passcode: BidOpening

WHAT THE CITY WANTS TO DO

1. Project Background and General Description

The City is accepting bids from qualified contractors to provide all materials, labor, and equipment for the complete construction of the **Webb Bridge Road Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway** project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, replacement of the bridge crossing Big Creek, installation of pedestrian lighting, installation of landscaping, and related work. The location of work is along Webb Bridge Road between North Point Parkway and Big Creek Greenway --- within the City of Alpharetta, Georgia.

2. Specifications

A. Except as noted in Item B, the Bidder shall comply with the following:
   i. Georgia Department of Transportation's "Standard Specifications Construction of Transportation Systems", 2021 Edition, as modified and expanded by Appendix A – General Conditions
   ii. All Special Provisions set forth in Appendix B

B. All landscaping work shall comply with the City of Alpharetta's Technical Section 02900 – Landscaping. See Appendix B of this document.

C. All water and sanitary sewer work shall comply with Special Provisions 660 and 670, Fulton County Technical Specifications for Water Main Construction, and Fulton County Technical Specifications for Wastewater Construction. See Appendix B of this document.

3. Project Specific Requirements

A. It is the City's intent to award the full scope of the project to a single contractor. Award will be based on references, GDOT qualifications, and the base bid plus any alternatives selected by the City.

B. The Bidder shall commence the Work with adequate force and equipment within **ten (10)** calendar days from receipt of Notice to Proceed and shall continuously pursue the work without interruption to completion and to achieve **Final Completion** of the Work in nine hundred (900) calendar days.

C. The Bidder shall be responsible for performing with their own organization at least fifty percent (50%) of the work in this contract. The Bidder shall not subcontract, transfer,

assign, or otherwise dispose of the contract or any portion thereof, without the written consent of the City.

D. Retainage in the amount of 5% of each progress payment will be applied.
E. The cost of any work performed, materials furnished, services provided, or expenses incurred, which are not specifically delineated in the Contract Documents, but which are incidental to the scope, intent, and completion of the Contract, shall be included in the prices for the various items scheduled.
F. Construction is only permitted between the hours of 7:00 AM and 7:00 PM Monday through Friday. Work on Saturday is only allowable with a minimum 72 hours of advance notice and is only permitted between the hours of 9:00 AM and 5:00 PM. Work on Sunday is not permitted.
    i. Construction outside of these hours requires approval by both the Department of Public Works and the Department of Public Safety.
    ii. Once approved by the Department of Public Works, Contractor must submit request in writing to the Director of Public Safety for modified work hours.
G. Contractor shall be responsible for implementing and maintaining all necessary traffic control measures. Contractor shall submit a traffic control plan to the City for approval prior to commencing any operations at a given location. Traffic control is entirely the responsibility of the Bidder and must comply with MUTCD standards. Additionally, Contractor shall include in their Traffic Control cost the utilization of a minimum of four (4) variable message boards from one week prior to commencement of work through completion of the project. Traffic can only be impeded between 9am and 4pm.
H. Should the Contractor desire to utilize police officers as part of their traffic control, only City of Alpharetta Police may be so utilized. Contact Sergeant Jomo Bent (678-297-6350) or Sergeant Dan Lambert (678-297-6361) with the City of Alpharetta Department of Public Safety.
I. The Contractor shall be responsible for all required testing as set forth in the appropriate sections of the Georgia Department of Transportation's Sampling, Testing, and Inspection Guide (latest edition). Testing services must be provided by an independent source. All testing costs shall be incorporated into the unit price for the associated line items.
J. The Contractor shall be responsible for all required NPDES testing as set forth in the State of Georgia DNR-EPD Permit No. GAR100002. Applications for Payment shall include copies of all NPDES testing reports for the corresponding time period. The Notice of Intent will be filed prior to NTP.
K. The City of Alpharetta has applied for a USACOE wetland permit. It is expected to be approved prior to construction NTP. No work can commence from Sta. 132+00 RT/LT to 136+50 RT/LT and Sta. 138+50 LT to 145+50 LT until this permit is approved. The City of Alpharetta has received the Stream Buffer Variance for this project and will be provided to the selected contractor.
L. Contractor will NOT be responsible for the purchase or installation of trees, shrubs, or other plants (excluding seed/sod) shown on the landscape plans. Areas shown to be planted with trees, shrubs, or other plants shall instead be finish-graded to a depth of 6 inches below the top of curb, sidewalk, or other surrounding hardscape. Upon completion of grading in planting areas as described, contractor shall then install brown hardwood mulch at a depth of 1 inch. See City Specification 2900 for details.

M. Unless specified otherwise, all handrails, pedestrian signal poles, strain poles and mast arms shall have a black powder-coat finish. All pedestrian and roadway lighting poles shall have a black finish applied by the manufacturer.
N. Contractor shall cut, cap, and mark at the limits of disturbance any irrigation lines encountered during construction which is in conflict with the proposed improvements.
O. Utility coordination shall be the responsibility of the Contractor. Costs for utility relocations will be paid by the City directly to the utility owner.
P. Contractor shall be responsible for the relocation of any mailboxes in conflict with the proposed improvements. Costs for this work shall be incorporated in the submitted bid cost.
Q. Any limbs overhanging the limits of disturbance that may be ripped, torn, or damaged during construction shall be properly pruned under the direction of an ISA Certified Arborist.
R. The use of a shuttle buggy/material transfer vehicle is not required.
S. The City of Alpharetta has applied for a USACOE wetland permit and a Stream Buffer Variance for this project. The Stream Buffer Variance has been approved. The wetland permit is expected to be approved prior to construction NTP. No work can commence from Station 136+50 RT and Station 138+50 LT to Station 145+50 LT until this permit are approved.
T. Strath Drive shall have one 2" schedule 40 conduit, stubbed up and capped at either end, beside one 3" schedule 40 conduit, stubbed up and capped at either end, for irrigation and lighting restoration. Conduits shall be installed at 18" depth below final grade.
U. Contractor shall submit an updated construction schedule with each application for payment.
V. Shoring shall be included in the Contractor's overall price. Shoring will not be measured for separate payment.
W. All tree-save fence shall be Type B per City of Alpharetta Detail L-6.
X. The Contractor shall maintain public access to the Big Creek Greenway at all times.
    i. No more than one-half of the trail width may be closed at any time.
    ii. Contractor shall be responsible for providing appropriate advanced warning along the trail for pedestrians and cyclists. Costs for such shall be included in the Traffic Control line item.

D. Public Works Construction

According to Georgia Public Works Law, public works construction means the building, altering, repairing, improving, or demolishing of any public structure or building or other public improvements of any kind to any public real property ***other than*** road construction or the routine operation, repair, or maintenance of existing structures, buildings, or real property.

A. Land Disturbance Permits from the City of Alpharetta will be issued for this project.
B. NOI will be submitted prior to NTP. EPD permit will be obtained by NTP.
C. Stream buffer variance has been approved.
D. The City of Alpharetta has applied for a USACOE wetland. The wetland permit is expected to be approved prior to construction NTP.

E. All anticipated rights of way and/or easements required for this project will be obtained by construction NTP.
F. The Schedule of Items form will be used as the primary representation of each Bidder's cost/price. Award of this project will be by base bid plus any selected alternates.

E. City Agreements and Obligations

This section contains a list of agreements and obligations the City has made to the property owners impacted by the Webb Bridge Road Corridor Improvements. Conditions set forth below take precedence over what may be shown on the project plans.

A. Parcel 1: All driveway work at the Property will occur only when the school at the Property is closed, either on a weekend or during the summer or other school break.
B. Parcel 2: No special agreements/obligations made.
C. Parcel 3: City-owned property. This parcel cannot be used for staging.

FOLLOW THIS OUTLINE

How We Want You to Construct Your Bid

1. Using Bonfire to Submit Bid

1.1. This is the link to Bonfire Project Web Page to get our documents and to upload your bid: https://cityofalpharetta.bonfirehub.com/

1.2. We are accepting all bids by online response only. You must upload completed bids online before the closing date and time found in Project Details of the project web page for this ITB.

1.3. Don't send bids by mail, fax, or email. We will not accept paper copy bids. We will not accept any bids after the closing time deadline has passed.

1.4. You have not completed your response simply by uploading bid documents and information. You must successfully upload all the required documents, including filling out any questionnaires, price sheets, or data requests, and then you must click the submit button before the closing time.

1.5. You will receive an email confirmation receipt with a unique confirmation number shortly after you complete your bid upload. This confirms that you have successfully turned in your bid with all required information.

1.6. You can update your bid at any time until the closing time.

1.7. All uploaded items and responses are Sealed in the project web page and will only be visible by the City after the closing time has passed.

1.8. If the file is 'mandatory' or 'required', you won't be able to complete your bid until you have met all requirements.

1.9. Uploading large documents may take more time, depending on the size of the file(s) and your Internet connection speed.

1.10. Pay attention to the type and number of files we have asked you to upload.

1.11. The largest upload file size is 1000 MB.

1.12. Don't embed any documents within your uploaded files. They won't be accessible or evaluated.

1.13. Minimum system requirements: Internet Explorer 11, Microsoft Edge, Google Chrome, or Mozilla Firefox. Java Script must be enabled.

❖ Required Bid Document Formats

❖ Each proposal must follow these document formats.

- Failure to follow these formats will reduce our review team's ability to evaluate and will result in a lower proposal score or in complete removal of a proposal from scoring.
- Format your documents using this outline:

- ☐ no more than seven (7) pages per document,
- ☐ formatted to single space lines,
- ☐ 10 to 12-point font size,
- ☐ black font color (excludes photos, charts, section separators or headings), and
- ☐ upload proposal in PDF format.

- **Bid Package and Company Information**

  IMPORTANT NOTE: By submitting a bid to the City in response to this ITB, Bidder acknowledges the understanding that each Bid and all information received in response to this ITB, including copyrighted material, is deemed "public record" in accordance with O.C.G.A § 50-18-70, et seq., and will be subject to Public inspection.

  For any information required to submit a response to the ITB that may be confidential information, matters involving individual safety, or other required information that may be exempt from public disclosure, Bidders must include this information on a separate page(s) within the bid package with the page(s) clearly marked at the top of page(s), **CONFIDENTIAL INFORMATION**. City Procurement will review and separate out any information that meets the referenced exceptions to disclosure as public record. *(See ITB 23-002 Info Contract document for more details)*

  A. **Cover Letter with Brief Business Profile**, include a brief business profile length of time in business, and a summary describing strong points and why your firm's/team's experience, particularly with similar projects, will benefit the City.

  B. **Business information**, including business name and home office address. If another office address oversees work of this project, add that address information too.

  C. **Contact,** one person to be the single point of contact for this bid. All communication with the City will be with this person. Supply the following contact information in the bid:

     - Name, including business title and preferred personal/honorific title (Mr. Ms. Dr. etc.)
     - mailing address,
     - telephone number, cell phone number, and
     - e-mail address.

  D. **References**. Supply at least three references for work or services similar in scope, specifications, and complexity to the project in this ITB (don't include the City of Alpharetta). These references must be for work or services provided by your company within the last five years. Also supply a list of three active projects or upcoming projects, awarded and yet to begin.

     NOTE: We contact references to verify your ability to do the work. We also reserve the right to use any information or other references to decide your ability to perform the work in this ITB. Poor references from any source are grounds to disqualify a bid.

E. **Georgia Department of Transportation Prequalification**. Bidders submitting bids over $2,000,000.00 shall be prequalified with the Georgia Department of Transportation and shall provide a copy of their current Certificate of Qualification. Bidders submitting bids of $2,000,000.00 or less shall be prequalified or registered subcontractors with the Georgia Department of Transportation and shall provide a copy of their current Certificate of Qualification or Certificate of Registration.

- **Bid Bond**

We require bid bond equal to 5% of Grand Total bid price as listed in the ITB 23-003 Schedule of Items. A bid bond form has been supplied as a separate document for you to download and have completed by your surety. Return the completed bid bond to us as a separate document. All information must be readable including all seals (ex: Notary Seal).

- **Required Forms:**

We have provided required forms. You must complete these forms and return to us with every bid.

A. **IRS Form W-9**

B. **Bidder's Disclosures and Certifications**

C. **E-Verify** (Affidavit Verifying Contractor Participation in Federal Work Authorization Program)

- ***E-Verify side note*:** Companies return this form to us incorrectly more often than anything else we request in our ITBs.
- Top mistakes include wrong number or missing information.
- State of Georgia law requires that we have this completed form before we can review a bid or bid.
- A form with errors doesn't fulfill this requirement.

All the following must be on the E-verify affidavit.

- Federal Work Authorization User Identification Number – this is only five to eight numbers.
  - No A,B,Cs.
  - It's different from your Tax ID, Employer Identification, or Social Security Number.
  - It won't have a combination of letters and numbers.
- Date of Authorization – this is when you first signed up and got the E-verify number.
- Name of Contractor – your company
- Name of Project – Same as ITB title

- Date, City, and State – when and where this form was signed
- Signature of Authorized Officer or Agent – to be signed
- Printed Name and Title of Authorized Officer or Agent – the person that signed the form.
- Notarized with seal

❖ Other Required Information

❖ Questionnaire

We use a questionnaire to gather important information needed for legal requirements, your acknowledgements, our proposal review, or information needed for writing a contract.

Some questions may require your answers about the work we have described in this RFP.

You will fill out the questionnaire provided. There is no other form or document to upload.

Information requests and response types are as follows:

1. Addenda Acknowledgement, enter the number of addenda received: 0, 1, 2, etc.
2. Authorized signer for contract execution in DocuSign: Name, business title, email address, text entry.
3. Corporate secretary for contract execution in DocuSign: Name, business title, email address, Response Type: Response Type: text entry.
4. Contact for legal notices-needed for contracting: Business name and mailing address, contact name, text entry.
5. Unique Entity ID / identifier used at SAM.gov, Response Type: alphanumeric entry.
6. Note the employee-number category for your company (all locations). Select either 500 or more employees, 100 or more employees, or less than 100 employees.
7. Acknowledgement of Contract and T&C review, Yes, No entry.
8. Insurance Requirement Acknowledgement, Yes, No entry.
9. Performance Bond Acknowledgment, Yes, No entry.
10. Note any Exceptions to Contract T&Cs , text entry.
11. Current GDOT Certificate of Qualification

Appendix A: General Conditions

Unless otherwise directed, all work performed under this contract shall be in accordance with the Georgia Department of Transportation Standard Specifications, Construction Transportation Systems, **2021 edition**, and any Supplemental Specifications modifying them, except as noted below and in the Special Provisions.

Modification of Standard Specifications

SECTION 101 - DEFINITION AND TERMS

Section 101.10 BOARD

Delete as written and substitute the following:

"City Council of City of Alpharetta, Georgia"

Section 101.13 CHIEF ENGINEER

Delete as written and substitute the following:

"The City of Alpharetta Director of Public Works, acting directly or through their duly authorized representatives."

Section 101.14 COMMISSIONER

Delete as written and substitute the following:

"The Mayor of the City of Alpharetta, Georgia"

Section 101.16 CONTRACT

Delete the second paragraph and substitute the following:

"The Contract Documents shall be composed of the Advertisement for Bid; Notice to Contractors; Form of Bid Proposal; General Conditions; Special Provisions; Detail Specifications, as identified in Section 105.03; Form of Contract; Form of Bond(s); Addenda; the drawings, including all changes incorporated herein before their execution; and also any Change Orders and Supplemental Agreements that are required to complete the construction of The Work in an acceptable manner, including authorized extensions thereof, all of which constitute one instrument. No oral agreement or orders are to be considered as valid or as a part of the Contract."

Section 101.22 DEPARTMENT

Delete as written and substitute the following:

"The City of Alpharetta Department of Public Works"

Section 101.24 ENGINEER

Delete as written and substitute the following:

"The City of Alpharetta Director of Public Works, acting directly or through their duly authorized representatives."

Section 101.47 PROJECT

Delete as written and substitute the following:

"The specific section or sections of the plans together with all appurtenances and construction to be performed thereon under the Contract."

Section 101.50 RIGHT OF WAY

Delete as written and substitute the following:

"A general term denoting land, property or interest therein, usually, but required to be, in a strip, acquired for or devoted to the PROJECT and PLANS."

Section 101.62 STATE HIGHWAY ENGINEER

Delete as written and substitute the following:

"The City of Alpharetta Director of Public Works, acting directly or through their duly authorized representatives."

Section 101.74 SUPPLEMENTAL AGREEMENT

Retain as written and add the following:

"Any Supplemental Agreement that has a dollar value amount that is less than $25,000.00 shall not require the assent of the Surety."

Section 101.80 TREASURER

Delete as written and substitute the following:

" The City of Alpharetta Director of Finance, acting directly or through their duly authorized representatives."

Add:

"Section 101.83 CITY: The City of Alpharetta

Section 101.84 PROCUREMENT AGENT: A duly authorized representative of the City of Alpharetta Director of Finance."

SECTION 102 - BIDDING REQUIREMENTS AND CONDITIONS

Section 102.01 PREQUALIFICATION OF BIDDERS

Delete in its entirety.

Section 102.01 PREQUALIFICATION OF BIDDERS

Delete the first paragraph in its entirety.

Section 102.03 CONTENTS OF PROPOSAL FORMS

Delete in its entirety.

Section 102.05 EXAMINATION OF PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND SITE OF THE WORK

Add the following:

"Each BIDDER must inform themselves fully of the conditions relating to the construction of the PROJECT and the employment of labor thereon. Failure to do so will not relieve a successful BIDDER of their obligation to furnish all material and labor necessary to carry out the provisions of their Contract. Insofar as possible the CONTRACTOR, in carrying out its work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor. Bidders, before making proposals, shall examine the plans and specifications and make such examinations on the ground as are necessary to thoroughly familiarize themselves with the nature and extent of the proposed construction and all local conditions affecting the same, as the CITY will not be responsible for BIDDER's errors or misjudgment, nor for any information on local conditions or general laws or regulations.

At the time of the opening of bids, each BIDDER will be presumed to have inspected the site and to have read and to be thoroughly familiar with the plans and Contract Documents (including all addenda). The failure or omission of any BIDDER to examine any form, instruments or documents shall in no way relieve any bidder from any obligation in respect to their bid."

Section 102.06 PREPARATION OF PROPOSAL

Delete in its entirety.

Section 102.07 REJECTION OF PROPOSALS

Delete the first paragraph and substitute the following:

"Proposals may be rejected as irregular if their consideration is conditioned upon the acceptance or rejection of other Proposals submitted by the same Bidder, if the Georgia Security and Immigration Compliance Act Affidavit is not completed, or if a Unit Price is not shown for each Pay Item."

Delete Item A and substitute the following:

"A. Collusion

Any and all Proposals will be rejected if the Department believes that collusion exists among the Bidders and no participant in such collusion may submit future Proposals for the same work. The Department reserves the right to review and to refuse to

consider any Proposal if the Bidder fails to execute the Bidder's Disclosures and Certifications form."

Delete Item G in its entirety.

Delete Item J and substitute the following:

"J. The CITY reserves the right to reject any and all bids, to waive formalities and to re-advertise. It is understood that all bids are made subject to this Agreement, that the CITY reserves the right to award the bid to the lowest, responsible Bidder, and in arriving at this decision, full consideration will be given to the reputation of the Bidder, their financial responsibility, and work of this type successfully completed.

K. The CITY also reserves the right to reject any and all bids from any person, firm, or corporation who is in arrears in any debt or obligation to City of Alpharetta, Georgia."

Section 102.08 PROPOSAL GUARANTY

Delete in its entirety.

Section 102.09 DELIVERY OF PROPOSALS

Delete in its entirety.

Section 102.10 WITHDRAWAL OR REVISION OF PROPOSALS

Delete in its entirety.

Section 102.11 PUBLIC BID

Delete in its entirety.

Section 102.15 SUBMITTAL OF "GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT"

Delete in its entirety.

Section 102.16 SUBMITTAL OF "REQUEST FOR ELIGIBILITY TO BID"

Delete in its entirety.

Section 102.17 SUBMITTAL OF "CERTIFICATE OF CURRENT CAPACITY" AND "STATUS OF CONTRACTS ON HAND"

Delete in its entirety.

Section 102.18 SUBMITTAL OF "CONSTRUCTION CONTRACTORS BID OPPORTUNITY LIST"

Delete in its entirety.

Section 102.19 SPECIALTY ITEMS EXEMPT FROM PREQUALIFICATION OF BIDDERS

Delete in its entirety.

SECTION 103 - AWARD AND EXECUTION OF CONTRACT

Section 103.1 CONSIDERATION OF PROPOSALS

Delete the first paragraph in its entirety and substitute the following:

> "After the Proposals are opened and read, the correct sum of the products of the quantities shown in the Proposal multiplied by the Unit Prices Bid will be considered the amount of the Bid. If there is a discrepancy between Unit Bid Prices and extensions, the Unit Bid Price shall govern. In determining Unit Bid Prices, fractional parts of a cent less than one cent ($0.01) will not be considered significant and will be dropped. The amounts will then be compared, and the results of this comparison will be made public at the time specified in the Notice to Contractors. Until the final Award of the Contract, however, the right will be reserved to reject any and all Proposals, to waive technicalities, to advertise for new Proposals, or to proceed to do the work otherwise if the interest of the CITY will be promoted thereby.

Section 103.2 AWARD OF CONTRACT

Delete in its entirety.

Section 103.4 RETURN OF PROPOSAL GUARANTY

Delete in its entirety.

Section 103.5 REQUIREMENTS OF CONTRACT BONDS

Delete in its entirety.

Section 103.6 EXECUTION AND APPROVAL OF CONTRACT

Add the following:

> "Execution of the Contract by CONTRACTOR shall not be considered complete unless CONTRACTOR submits proper proof of coverage of Insurance in compliance with the General Insurance Requirements found in the General Terms and Conditions, Sample Contract, ITB Information document included in the Invitation to Bid."

Section 103.7 FAILURE TO EXECUTE CONTRACT

Delete in its entirety.

Section 103.8 PROCEDURE FOR REQUESTING RECONSIDERATION BY RESPONSIVE REJECTED APPARENT LOW BIDDER

Delete in its entirety.

SECTION 105 - CONTROL OF WORK

Section 105.02 PLANS AND WORKING DRAWINGS

Add the following paragraphs:

"If, in the process of the Contract, discrepancies arise, the CONTRACTOR will be furnished additional instructions and detail drawings as necessary to carry out the work included in the Contract. The additional drawings and instructions thus supplied to the CONTRACTOR will coordinate with the Contract Documents and will be so prepared that they can be reasonably interpreted as part thereof.

The CONTRACTOR shall submit promptly to the Engineer six (6) copies of each shop or setting drawing prepared in accordance with the schedule predetermined as aforesaid. After examination of such drawings by the Engineer and the return thereof, the CONTRACTOR shall make such corrections to the drawings as have been indicated and shall furnish the Engineer with two (2) corrected copies. If requested by the Engineer, the CONTRACTOR must furnish additional copies. Regardless of corrections made in or approval given to such drawings by the Engineer, the CONTRACTOR shall nevertheless be responsible for the accuracy of such drawings and for their conformity to the Plans and Specifications at the time they furnish such drawings."

Section 105.14 MAINTENANCE DURING CONSTRUCTION

Retain in its entirety, but insert the following after the first paragraph:

"At all times, the CONTRACTOR shall perform work as may be required to protect the entire site from damage, both existing conditions and performed work. Furthermore, the CONTRACTOR shall be responsible for all damages to all persons and property due to the non-maintenance of the PROJECT."

SECTION 106 - CONTROL OF MATERIALS

Section 106.03 SAMPLES, TESTS, CITED SPECIFICATIONS

Retain in its entirety, but insert the following after the first paragraph:

"CONTRACTOR shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required by the Standard Specifications or the Owner's acceptance of materials or equipment to be incorporated into the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to CONTRACTOR'S purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to the CITY and shall comply with the GDOT sampling, testing and inspection manual."

SECTION 107 - LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC

Section 107.02 PERMITS AND LICENSES

Add the following paragraphs:

"The CONTRACTOR shall provide the CITY, on the proper form, proof of being licensed to do business within The City of Alpharetta; proof of proper business licenses shall also be provided by the prime CONTRACTOR for any and all subcontractors coming under the jurisdiction of this Contract. (See Subcontractors' Notification List.)

Before any work proceeds along areas adjacent to a State Highway, the CONTRACTOR shall assure that a permit showing that the PROJECT is approved by the Georgia Department of Transportation is posted. Before any work proceeds the CONTRACTOR shall assure that all applicable City of Alpharetta permits are posted. The CONTRACTOR shall notify both the Engineer and the local Georgia Department of Transportation's representative 48 hours before moving into a new area to begin construction."

Section 107.07 PUBLIC CONVENIENCE AND SAFETY

Retain as written and add the following:

"The CONTRACTOR shall distribute a notice to each residence or business within the limits or immediately adjacent to the PROJECT. This notice will be provided by the CONTRACTOR, approved by the CITY and it will be the responsibility of the CONTRACTOR to deliver the notices prior to beginning construction.

The notices will be used to inform the affected parties of the activities that will be occurring and will identify the CONTRACTOR.

The notice will be in the form of "door hangers" and are not to be placed in the mail boxes. The CONTRACTOR will notify the Director of Public Works in writing upon completion of this work and the letter will become a permanent part of the PROJECT records."

Section 107.13 PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE

Retain subparagraph C. and add the following paragraph:

"All chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant, or of other classification, must show approval of either EPA or USDA. Use of all such chemicals and disposal of residues shall be in strict conformance with instructions."

Delete subparagraph F in its entirety and substitute the following:

"The CONTRACTOR shall have the responsibility for removing and relocating all mailboxes to an area outside of the construction limits but still accessible for mail deliveries and convenient to the mail carrier and the patron during the entire time of construction. It may be necessary for the CONTRACTOR to confer with the Post Office serving the area.

As soon as construction has progressed to the stage that the mailbox may be erected in its permanent position, the CONTRACTOR shall coordinate the erection with the patron and the Post Office serving the area. Any damages to the posts or mailboxes due to the removal and/or relocations by the CONTRACTOR will remain the responsibility of the CONTRACTOR, all damaged posts and/or mailboxes shall be replaced and installed by

the CONTRACTOR at their expense, excluding mailbox enclosures of masonry construction.

Any cost or costs to the CONTRACTOR for removing, relocating or installations of mailboxes as stated above shall be included in the overall bid price."

Section 107.15 RESPONSIBILITY FOR DAMAGE CLAIMS

Add the following paragraph:

"CONTRACTOR shall indemnify and hold harmless the CITY and their agents, employees, successors, and assigns from and against all loss, cost, damage, claim, suit, and judgment, including attorney's fees, arising out of or resulting from the performance or non-performance of the work. CONTRACTOR's duty to indemnify applies in connection with, but is not limited to, injury to or death of any person or persons, loss of or damage to property caused by or in any way connected with CONTRACTOR's performance or non-performance of the work, whether such injury, death, loss, or damage results from any cause whatsoever. The CONTRACTOR's duty to indemnify shall extend to all claims, damage, loss, or expense caused in whole or in part by any act or omission of the CONTRACTOR, any subcontractor, or anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. The duty of the CONTRACTOR to indemnify, contained herein, shall not extend to any claim, damage, loss, or expense which results solely from the negligence of a party indemnified hereunder."

Section 107.17 CONTRACTOR'S RESPONSIBILITY FOR THE WORK

Retain in its entirety and add the following:

"In case of an emergency which threatens loss or injury of property and/or safety of life, the CONTRACTOR will be allowed to act, without previous instruction from the Engineer, in a diligent manner. They shall notify the Engineer immediately thereafter. Any claim for compensation by the CONTRACTOR due to such extra work shall be promptly submitted to the Engineer for approval.

Where the CONTRACTOR has not taken action but has notified the Engineer of an emergency threatening injury to persons or damage to the work or any adjoining property, they shall act as instructed or authorized by the Engineer."

Section 107.18 ACQUISITION OF RIGHT OF WAY

Delete in its entirety and substitute the following:

"The CITY shall furnish all land and right-of-way necessary for the carrying out of this Contract and the completion of the Work herein contemplated and will use due diligence in acquiring said land and rights-of-way as speedily as possible. But it is possible that all lands and rights-of-way as herein contemplated may not be completely secured before construction begins, in which event the CONTRACTOR shall begin his Work upon such land and rights-of-way as the CITY may have previously acquired, and no claim for damages whatsoever will be allowed by reason of the delay in obtaining the remaining land and rights-of-way. Should the CITY be prevented or enjoined from proceeding with

the Work, or from authorizing its prosecution, either before or after the commencement, by reason of any litigation, or by reason of its inability to procure any lands or rights-of-way for the said Work, the CONTRACTOR shall not be entitled to make or assert claim for damage by reason of said delay, or, to withdraw from the Contract except by consent of the CITY, but time for completion of the Work will be extended to such time as the CITY determines will compensate for the time lost by such delay, such determination to be set forth in writing."

Section 107.20 NO WAIVER OF LEGAL RIGHTS

Retain in its entirety and add the following:

"The CONTRACTOR shall guarantee the work accomplished under this Contract for a period of twelve (12) months from the date of final acceptance. The CONTRACTOR shall remedy, at his own expense, and without additional cost to the CITY, all defects arising from either workmanship or materials, as determined by the Engineer. The guarantee shall not cover any accidental or deliberate damage to the work, or any defects occurring due to normal wear and tear during the twelve (12) months.

All equipment of whatever nature incorporated in the work covered by this Contract shall carry the same guarantee as outlined above for construction. Failure of any equipment or part thereof within the specified time shall be corrected to the satisfaction of the CITY, at the CONTRACTOR's expense. This guarantee does not apply to manufacturing defects of equipment furnished by the CITY.

The Performance Bond shall remain in full force and effect through the guarantee period."

SECTION 109 - MEASUREMENT AND PAYMENT

Section 109.07 PARTIAL PAYMENTS

Delete in its entirety and substitute the following:

"**A. GENERAL**

At the end of each calendar month, the CONTRACTOR will invoice for the value of Work complete and in place for that month, subject to verification and approval by the Engineer. Invoice value will be computed on the basis of Contract Item Unit Prices or on percentage of completion of Lump Sum Items.

Invoices for payment shall be submitted by the fifth (5th) calendar day of each month to facilitate processing for payment in that same month. Invoices received after the fifth (5th) calendar day of the month may not be paid until the end of the following month.

Certain deductions from the amount due on Partial Payment estimates will be retained by the Department until final payment is made after full compliance with Sub-Section 109.08. The amounts to be deducted and retained shall conform to the conditions and provisions of Sub-Section 109.07.B.6 and Sub-Section 109.07.G.

B. MATERIALS ALLOWANCE

Payments will be made on delivered costs, or percentage of bid prices if otherwise noted, with copies of paid invoices provided to the Department for the materials listed below which are to be incorporated into the Project provided the materials:

- Conform to all specification requirements.
- Are stored on the Project right of way or, upon written request by the Contractor and written approval of the Engineer, they may be stored off the right of way, but local to the Project, provided such storage is necessary due to lack of storage area on the right of way, need for security, or need for protection from weather.

As a further exception to on-Project storage, upon written request by the Contractor, the Engineer may approve off-the-Project storage items uniquely fabricated or precast for a specific Project, such as structural steel and precast concrete, which will be properly marked with the Project number and stored at the fabrication or precast facility.

The Engineer may approve out-of-state storage for structural steel and prestressed concrete beams uniquely fabricated for a specific Project stored at the fabrication facility.

1. Paid invoices should accompany the materials allowance request, but in no case submitted to the Project Engineer later than thirty (30) calendar days following the date of the progress payment report on which the materials allowance was paid.

   In case such paid invoice(s) are not furnished within the established time, the materials allowance payment will be removed from the next progress statement and no further materials allowance will be made for that item on the Project.

2. Materials allowances will be paid for those items which are not readily available, and which can be easily identified and secured for a specific project and for which lengthy stockpiling periods would not be detrimental. Some exclusions are as follows:

   a. No payments will be made on living or perishable plant materials until planted.

   b. No payments will be made on Portland Cement, Liquid Asphalt or Grassing Materials.

   c. No payment will be made for aggregate stockpiled in a quarry. Payment for stockpiled aggregate will be made only if the aggregate is stockpiled on or in the immediate vicinity of the project and is held for the exclusive use on that project. The aggregate must be properly secured. If the aggregate stockpiled is to be paid for per-ton it must be reweighed on approved scales at the time it is incorporated into the Project.

d. No payments will be made on minor material items, hardware, etc.

3. No materials allowance will be made for materials when it is anticipated that those materials will be incorporated into the Work within thirty (30) calendar days.

4. No materials allowance will be made for material when the requested allowance for such material is less than $10,000.

5. Where a storage area is used for more than one project, material for each project shall be segregated from material for other projects, identified, and secured. Adequate access for auditing shall be provided. All units shall be stored in a manner so that they are clearly visible for counting and/or inspection of the individual units.

6. The CITY may, at his discretion, grant waiver to the requirements of this Section when, in his opinion, such waiver would be in the public interest.

   Subsequently, in the event the material is not on-hand and in the quantities for which the materials allowance was granted, the materials allowance payment will be removed from the next progress statement and no further materials allowance will be made for those items on that Project. If sufficient earnings are not available on the next progress statement, the Contractor agrees to allow the CITY to recover the monies from any other Contract he may have with the CITY, or to otherwise reimburse the CITY.

   Payments for materials on hand shall not exceed the invoice price or seventy-five percent (75%) of the bid prices for the pay items into which the materials are to be incorporated, whichever isles.

C. MINIMUM PAYMENT

No partial payment will be made unless the amount of payment is at least $1000.00

D. LIQUIDATED DAMAGES

Accrued liquidated damages will be deducted in accordance with Subsection 108.08.

E. OTHER DEDUCTIONS

In addition to the deductions provided for above, the CITY has the right to withhold any payments due the Contractor for items unpaid by the Contractor for which the CITY is directly responsible, including, but not limited to, royalties (see Section 106.)

F. AMOUNT OF PAYMENT

The balance remaining after all deductions provided for herein have been made will be paid to the Contractor. Partial estimates are approximate and are subject to correction on subsequent progress statements. If sufficient earnings are not

available on the subsequent progress statement, the Contractor agrees to allow the CITY to recover the monies from any other Contract they may have with the CITY, or to otherwise reimburse the CITY. The Engineer is responsible for computing the amounts of all deductions herein specified, for determining the progress of the Work and for the items and amounts due to the Contractor during the progress of the Work and for the final statement when all Work has been completed.

G. INTEREST

Under no circumstances will any interest accrue or be payable on any sums withheld or deducted by the CITY as authorized by Subsection 109.07.A, Subsection 109.07.B.6, Subsection 109.07.C, Subsection 109.07.D, Subsection 109.07.E, and Subsection 109.07.F."

Section 109.08 FINAL PAYMENT

Delete in its entirety and substitute the following:

"Upon completion by the **CONTRACTOR** of The Work, including the receipt of any final written submission of the **CONTRACTOR** and the approval thereof by the CITY, the **CITY** will pay the **CONTRACTOR** a sum equal to 100 percent (100%) of the compensation set forth herein, less the total of all previous partial payments, paid or in the process of payment.

The **CONTRACTOR** agrees that acceptance of this final payment shall be in full and final settlement of all claims arising against the **CITY** for work done, materials furnished, costs incurred, or otherwise arising out of this Agreement and shall release the **CITY** from any and all further claims of whatever nature, whether known or unknown for and on account of said Agreement, and for any and all work done, and labor and materials furnished, in connection with same.

No payment shall be made until the **CONTRACTOR** furnishes to the **CITY** a sworn affidavit to the effect that all bills are paid and no suits and/or liens are pending in connection with the work done or labor and materials furnished under this Contract. The Engineer will make final payment within sixty (60) days after approval.

The **CONTRACTOR** will be required to maintain all work done by him in a first-class condition for sixty (60) days after the same has been completed as a whole, and the Engineer has notified the **CONTRACTOR** in writing that the work has been finished to his satisfaction. The retained percentage will not be due or payable to the **CONTRACTOR** until the 60-day maintenance period has ended."

Appendix B: Technical Specifications & Special Provisions

This section contains the technical specifications which apply to this project:

City of Alpharetta, Section 02900 – Landscaping

Fulton County Technical Specifications for Water Main Construction

Special Provision, Section 150 – Traffic Control

Special Provision, Section 167 – Water Quality Monitoring

Special Provision 523 – Dynamic Pile Testing

Special Provision, Section 999 – Miscellaneous Construction

Unless otherwise directed, all work performed under this Contract shall be in accordance with the State of Georgia Department of Transportation Standard Specifications for the Construction of Transportation Systems, 2021 Edition, any Reference Specifications modifying them, except as noted in the attached Special Provisions.

How to Obtain the Specifications:

- State of Georgia, Department of Transportation, STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, dated January 21, 2021

All of the specific sections from these standard specifications referred to in these Contract Documents are available for review and downloading at:

https://www.dot.ga.gov/PartnerSmart/Business/Source/specs/2021StandardSpecifications.pdf

CITY OF ALPHARETTA REQUEST FOR BIDS (ITB)

ITB Number: 23-003

ITB Title: Webb Bridge Rd Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway

INFORMATION AND CONTRACT DRAFT

ITB Information

1. Bidder Acknowledgement

By submitting a Bid for this request, the authorized signer and represented firm have read, understand, and agree to information within this ITB's documents including all required and informational documents, files, and forms posted to the Bonfire project webpage for this ITB. These documents make up the ITB. They will become part of any contract that may be awarded because of responses to this ITB.

By sending a Bid, the Bidder acknowledges and agrees that:

a. The Bidder has carefully examined and fully understands the conditions and requirements of any proposed Work within this ITB.
b. The Bidder acknowledges that they completed a personal examination of the site of the proposed work (if applicable).
c. The Bidder is satisfied with the actual conditions and requirements of the proposed Work.

Acknowledging these statements, the Bidder proposes and agrees that if the Bidder's Bid is accepted, the Bidder will contract with the City in full agreement with the Contract Documents.

2. City's Authority and Right to Investigate

This procurement is issued under the authority of the City of Alpharetta's Procurement Policy, also following State of Georgia and Federal applicable laws. The City has the right to reject all bids or Bids, to reject any bid or Bid that has not followed or met the City's scope of work or specifications (non-responsive) or reject any bid or Bid that shows that a bidder cannot meet one or more of the requirements (non-responsibility). The City has the right to ignore unimportant mistakes that do not affect the work or service to be provided, the purchase of requested item(s), or Bid pricing in order to award a contract that is in the best interest of the City.

The City may make such investigations as considered necessary to determine the ability of the Bidder to provide the supplies and/or perform the services specified.

3. Receipt of Bids and Public Inspection

a. Public Information:

During the opening of Bids, the Bidder's name, Bid amount and other pertinent information will be read aloud and recorded. No other information will be disclosed at that time. Each Bid and all information received in response to this ITB, including copyrighted material, is deemed "public record" in accordance with O.C.G.A § 50-18-70, et seq., and will be subject to Public inspection and copying shortly after Bid opening with the following four exceptions:

1. bona fide trade secrets that have been specifically identified, properly marked, separated, and documented and to which the Bidder has attached an affidavit declaring that such

specific information constitutes a trade secret pursuant to Article 27 of Chapter 1 of Title 10 of the Official Code of Georgia Annotated, will not be disclosed; provided however, if the City determines that such specifically identified information does not in fact constitute a trade secret, the City will notify the Bidder of its intent to disclose such information prior to its initial disclosure as required by law;

2. matters involving individual safety, as determined by the City, may be withheld from disclosure;
3. any company financial information in the form of records containing tax matters or tax information that is confidential under state or federal law, which has been requested by the City to determine vendor responsibility, unless prior written consent has been given by the Bidder will not be disclosed;
4. any document or record, or portion thereof, containing information exempt from disclosure pursuant to O.C.G.A. § 50-18-70, et seq., may be withheld from disclosure as determined by the City; and
5. any other document or record, or portion thereof, mandated by law to be kept confidential, as determined by the City.

All open records requests must be presented in writing along with specific items requested. The Open Records Request form is available from the City's main website and requested through the City Clerk's office.

b. Procurement Agent's Review of Bids:

The Procurement Agent in charge of the solicitation will open and review the Bids and separate out any information that meets the referenced exceptions noted above, providing the following conditions have been met:

1. Documents or records containing information that the Bidder wishes to keep confidential must be specifically identified and clearly marked and separated from the rest of the Bid by the Bidder;
2. The Bid does not contain any such confidential material in the cost/price section; and
3. An affidavit from the Bidder specifically identifying information as a trade secret and declaring that such information constitutes a trade secret pursuant to Article 27 of Chapter 1 of Title 10 of the Official Code of Georgia Annotated is attached to each separated document or record in the Bid that Bidder wishes to be kept confidential because it contains trade secrets.

Information separated out under this process will be available for initial review only by the Procurement Officer, Procurement Agent, and limited other designees. Bidders acknowledge that the act of separating out such information by the Procurement Agent does not operate to exempt such information from disclosure as a public record; rather, the disclosure of such information is governed by O.C.G.A. § 50-18-70, et seq. Bidders should be prepared to pay all legal costs and fees associated with defending a claim for confidentiality in the event an (open records) request is submitted by another party and the City determines that such information is subject to disclosure.

General Terms and Conditions

We will incorporate the City's standard terms and conditions into the Contract. Those terms and conditions are set forth below in this document and contract draft. Vendors must notify the City of any Terms and Conditions that either prevent them from responding to this procurement or add unnecessary cost. The Vendor must make this in writing notification either as a written question sent before the question deadline or with the Vendor's response.

We will address any requests received prior to the deadline for receipt of questions for material, substantive, important exceptions to the Terms and Conditions by formal written addendum issued by the designated Procurement Agent. The City reserves the right to address any non-material, minor, and/or insubstantial exceptions to the Terms and Conditions.

1. Additional Contract Provisions and Terms

The procurement, including all documents and appendices attached hereto, referenced herein and/or incorporated herein, and any addenda hereto, and the response of the awarded Contractor, including any amendments thereto, will be incorporated into the Contract (as previously set forth, all of such documents are collectively referred to as the "Contract Documents").

The Terms and Conditions set forth herein do not define the total extent of the contract language. In the event of a conflict or dispute as to the duties and responsibilities of the City and Contractor under any resulting Contract Documents, the Contract, will govern in accordance with the order of precedence set forth therein.

2. Time for Completion & Liquidated Damages

The Contractor shall commence performance of the Work with adequate force and equipment within ten (10) calendar days from receipt of Notice to Proceed or otherwise in the Contract or by Special Provision. The Contractor shall be required to continuously pursue the Work without interruption to completion, and to achieve **Final Completion** of the Work in nine hundred (900) calendar days. "Substantial Completion" shall mean that stage in the progression of the Work in which same is sufficiently complete in accordance with the Contract such that the City can enjoy beneficial use and occupancy of the subject property or site and can utilize the improvements or renovations completed by the Work for their intended purpose. "Final Completion" shall mean the Work is complete in full accordance with this Contract and this Contract has been fully performed as determined by a final inspection of the City following the Contractor's request for same.

Liquidated damages will apply per GDOT Standard Specifications for Construction of Transportation Systems, 2021, Section 108.08. If the Contractor fails to achieve Substantial Completion and/or Final Completion by the dates set forth in the resulting contract, the Contractor shall be liable to the City for the sum of: $2,019.00 per day for each and every calendar day of unexcused delay in achieving Substantial Completion beyond the date set forth in the Contract; and $2,019.00 per day for each and every calendar day of unexcused delay in achieving Final Completion beyond the date set forth in the Contract, as applicable. Any sums due and payable hereunder by the Contractor shall be payable, not as a penalty, but as liquidated damages representing a reasonable pre-estimate of delay damages likely to be sustained by the City for any such breach, as it is mutually agreed that any such actual and consequential damages incurred by the City for such breach would otherwise be difficult to ascertain.

3. Performance Prior to Contract Execution

The successful Contractor shall not begin performance of the Project prior to the execution of a formal written contract by the City and the successful Contractor. Any Contractor beginning performance prior to the execution of the Contract shall be deemed to be proceeding at the Contractor's risk and shall not be entitled to any compensation for such performance. Under such circumstances, the City reserves the right to withdraw or cancel the award of the procurement.

4. Subcontractors

The lowest responsive and responsible Contractor will be the prime contractor if a contract is awarded and executed and shall be responsible, in total, for all work of any subcontractors. All subcontractors, if any, must be listed in the Contractor's response to this procurement. The City reserves the right to approve all subcontractors. The Contractor shall be responsible to the City for the negligent acts and negligent omissions of all subcontractors or agents and of persons directly or indirectly employed by such subcontractors, and for the acts and omissions of persons employed directly by the Contractor. Further, nothing contained within the procurement, or otherwise in the Contract Documents created as a result of any contract award derived from the procurement, shall create any contractual relationships between any subcontractor of the Contractor and the City.

5. Independent Contractor

The Contractor shall at all times be acting as an independent contractor and not be considered or deemed to be an agent, employee, joint venture, or partner of the City. The Contractor shall have no authority to contract for or bind City in any manner. Neither the Contractor nor its employees are employees of the City. The Contractor shall have and maintain the responsibility for and control of the rendition of the Work (including, the services performed) under the Contract, the discipline of its employees, and other matters incident to the performance of the Work (services, duties, and responsibilities as described and contemplated in the Contract). The Contractor is required to supply the City with proof of compliance with the Workers' Compensation Act while performing work for the City. Proof of compliance must be received with the Contractor's response to the procurement at the address listed on the Cover Page of the procurement.

6. Compliance with Illegal Immigration Reform and Enforcement Act

E-Verify Program:

The City of Alpharetta is committed to compliance with Federal and State laws requiring the verification of newly hired employees to ensure they are lawfully entitled to work in the United States. As such, the City shall not enter into a contract for the physical performance of services unless the Contractor registers and participates in a federal work authorization program (E-Verify). Further, Contractors submitting a Bid or Bid for the physical performance of service shall include a fully executed E-Verify affidavit as part of their Response to the procurement.

Requirement to Participate in a Federal Work Authorization Program (E-Verify):

No Contractor shall submit a response for the physical performance of service unless the Contractor participates in a Federal Work Authorization Program and complies with the requirements of O.C.G.A. § 13-10-91.

(1) Pursuant to O.C.G.A. § 13-10-91, the Contractor represents, warrants, acknowledges, and/or agrees that:

a. The Contractor has registered and participates in a federal work authorization program to verify the employment eligibility of all newly hired employees;

b. Subcontractors shall not enter into any contract with the Contractor for the physical performance of services within the State of Georgia unless such

subcontractor registers and participates in a federal work authorization program to verify the employment eligibility of all newly hired employees; and

c. Sub-subcontractors shall not enter into any contract with a subcontractor or sub-subcontractor for the physical performance of services within the State of Georgia unless such sub-subcontractor registers and participates in a federal work authorization program to verify the employment eligibility of all newly hired employees.

(2) As of the date of enactment of O.C.G.A. § 13-10-91, the applicable federal work authorization program is "E-Verify"

(*https://e-verify.uscis.gov/enroll/StartPage.aspx?JS=YES*), operated by the United States Citizenship and Immigration Services Bureau of the United States Department of Homeland Security. Information and instructions regarding E-Verify program registration, corporate administrator registration, and designated agent registration can be found at such website address.

Contractor, Subcontractor, and Sub-subcontractor Evidence of Compliance:

(1) The Contractor, if entering a contract with the City providing the physical performance of services, shall comply with the requirements of O.C.G.A. § 13-10-91.

(2) Pursuant to O.C.G.A. §13-10-91, in the event the Contractor employs or contracts with a subcontractor in connection with a covered contract, Contractor shall secure from such subcontractor attestation of the subcontractor's compliance with O.C.G.A. § 13-10-91 by the subcontractor's execution of the subcontractor affidavit, the form of which is provided in *Appendix A* hereof and maintain records of such attestation for inspection by the City at any time. Such subcontractor affidavit shall become a part of the contractor/subcontractor agreement.

(3) Pursuant to O.C.G.A. §13-10-91, in the event the Contractor employs or contracts with a subcontractor that employs or contracts with any sub-subcontractor, the subcontractor will secure from such sub-subcontractor attestation of the sub-subcontractor's compliance with O.C.G.A. § 13-10-91 by the sub-subcontractor's execution of the sub-subcontractor affidavit, the form of which is also provided in *Appendix A* hereof, and maintain records of such attestation for inspection by the City at any time. Such sub-subcontractor affidavit shall become a part of the subcontractor/sub-subcontractor agreement.

(4) The Contractor shall comply with any and all other applicable requirements and provisions of O.C.G.A. § 13-10-91 and other applicable rules and regulations promulgated in relation thereto.

(5) All portions of contracts pertaining to compliance with O.C.G.A. § 13-10-91 and all other applicable rules and regulations promulgated in relation thereto, and any affidavit related hereto, shall be open for public inspection in this State at reasonable times during normal business hours.

Forms necessary to ensure compliance with this section are included in Required Forms and must be received at the address listed on the procurement's Cover Page prior to review of Contractor's response.

7. Compliance with Laws

The Contractor shall, in performance of work under the Contract, fully comply with all applicable federal, state, or local laws, rules, and regulations, including, but not limited to, Title VI of the Civil Rights Act of 1964 and its amendments, the Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, and Section 504 of the Rehabilitation Act of 1973. Any subletting or subcontracting by the Contractor subjects subcontractors to the same provision. The Contractor agrees that the hiring of persons to perform the contract will be made on the basis of merit and

qualifications and there will be no discrimination based upon race, color, religion, gender, national origin or ancestry, age, creed, marital status, physical or mental disability, or political ideas by the persons performing the contract.

8. Termination

This Contract may be terminated prior to the term ending by either party in the event of substantial failure or default of the other party to fulfill its obligations under this Contract. Prior to such termination, the non-defaulting party shall give notice to the defaulting party of the failure or default. Such party shall have fifteen (15) days from the date of the notice to cure the default or failure if such default or failure is capable of being cured. Upon failure to cure the default or failure within fifteen (15) days, or if such failure or default is not capable of being cured, the non-defaulting party may terminate the Contract effective immediately upon the provision of written notice as provided in Section 15 (*Notices*). The Contract may also be terminated prior to expiration of the term by the City for City's convenience upon the provision of not less than fourteen (14) days written notice to the Contractor. In the event of such termination, the Contractor shall be compensated for services performed prior to termination. Such amount shall be paid by the City upon the Contractor's delivering or otherwise making available to the City, all data, drawings, specifications, reports, estimates, summaries and other information and materials as may have been accumulated by the Contractor in performing the services included in this Contract, whether completed or in progress. All unperformed obligations incurred by Contractor prior to such date shall survive termination of this Contract.

9. Annual Appropriation and Renewal

Notwithstanding any other provision or provisions of this Contract, pursuant to O.C.G.A. § 36-60-13, this Contract will terminate immediately and absolutely if the City determines that adequate funds are not appropriated or granted or funds are de-appropriated such that the City cannot fulfill its obligations under the Contract, which determination is at the City's sole discretion and shall be conclusive.

10. Ownership of Work Product

In the event Contractor prepares, pursuant to the performance of this Contract, any drawings, plans, studies, reports, specifications, other documents (the "Work Product"), the City shall be deemed the owner of the original of all such Work Product, and all statutory and common law rights with respect to such Work Product shall accrue to the City, provided the City has paid for the services in full.

11. General Insurance Requirements

A. Required with each bid:

Bidders shall provide certificate of current Proof of Insurance.

B. Insurance Requirements:

Upon Council approval, the awarded Contractor shall provide the City with a Certificate of Insurance (COI) to the procurement agent listed on the cover page for this ITB. The COI shall indicate the existence of the policies prior to the beginning of the contract work or term. Thereafter, a renewal certificate shall be delivered to the City at least thirty (30) days prior to the expiration date of each expiring policy. If at any time, any of the policies shall be or become unsatisfactory to the City as to form or substance, or any of the carries issuing such policies shall be or become unsatisfactory to the City, the Contractor shall deliver to the City representative upon demand a

certified copy of any policy required herein for review. The Certificates of Insurance shall state that the City of Alpharetta is additionally insured.

- **Workers Compensation:** Workers Compensation $500,000 per accident per employee with waiver of subrogation. Required documentation includes certificate from insurance company showing issuance of workmen's compensation coverage for the State of Georgia.
- **Comprehensive General Liability Insurance:**

Commercial General Liability	$1,000,000 each occurrence $1,000,000 aggregate

- **Comprehensive Auto Liability Insurance:**

Bodily Injury Liability	$1,000,000 each occurrence
Property Damage Liability	$ 100,000 each occurrence

- **Excess Umbrella Liability:**

Combined Single Limit Bodily Injury and / or Property Damage	$1,000,000 each occurrence $1,000,000 aggregate

Insurance; Indemnification. The awarded Contractor shall maintain the types and amounts of insurance set forth as from time to time reasonably shall be requested by the City. The awarded Contractor shall provide proof of such insurance to the City at the same time as the execution of any resulting Contract and/or purchase order, and as and when requested by the City during the term hereof. Acceptance of a certificate or proof of insurance does not constitute approval or agreement by the City that the insurance requirements have been satisfied. The awarded Contractor shall indemnify and hold the City harmless from all claims, demands, losses, attorneys' fees and liabilities of any type or nature arising out of or related to the Contractor's, or Contractor's agents', employees' or subcontractors', negligent performance or non-performance of any resulting Contract and/or purchase order, including, but not limited to, claims for injury to person or property; provided, however, that this indemnification obligation shall not apply to claims arising from the sole negligence of the City or its employees. Nothing in this paragraph or any resulting Contract and/or purchase order shall be deemed to constitute a waiver of the City's sovereign immunity, create rights in any third party, or create any third-party beneficiaries.

12. Retainage Requirements

For construction contracts (O.C.G.A § 13-10-80), including road construction contracts (other than GDOT projects), the City will withhold retainage of 5% of the gross value from each invoice or pay application.

In the instance that change order is added to the contract value, total retainage to be withheld will increase proportionately.

No retainage shall be held from design services. Contractor must submit separate invoices for design services

When all Work is completed and final acceptance has been approved by the City, the Contractor may invoice for the amount retained.

13. Sample Contracting Documents

A. **Subcontractor Participation List:** For all applicable projects totaling over $50,000.00 and with a service-related component, the City requires contractors to agree to the public disclosure of the names of any first-tier subcontractors engaged to perform services in relation to the contract.

Contractors are required to inform relevant subcontractors that the subcontractor's participation in fulfilling the contract may be publicly disclosed.

The contractor shall provide a list of subcontractors to the City with each invoice or application for payment submitted. The list shall include the subcontractor's name and scope of service provided.

B. **Final Affidavit:** For all applicable projects involving construction or progress milestones, Final Affidavit may be required as part of project close-out.

C. **Subcontractor E-Verify Affidavit** and **Sub-Subcontractor E-Verify Affidavit**: It is the responsibility of the awarded contractor to require all subcontractors and sub-subcontractors to complete the correct affidavit. It will be the duty of the awarded Contractor to submit copies of all affidavits, drivers' licenses, and/or identification cards required pursuant to this Section, as applicable, to the City within five (5) business days of receipt.

D. **Report and Affidavit Sample Copies** are included at the end of this document in Appendix B

14. Disclosure

Any Consultant as defined in O.C.G.A. §36-80-28 that is engaged to develop or draft specifications/requirements or serve in a consultative role during the procurement process for any City procurement method, by entering into such an arrangement or executing a contract that the consultant agrees to: (1) Avoid any appearance of impropriety and must follow all policies and procedures of the City; (2) disclose to the City any material transaction or relationship pursuant to §36-80-28, considered a conflict of interest, any involvement in litigation or other dispute, relationship or financial interest not disclosed in the Disclosure form; and (3) Acknowledge that any violation or threatened violation of the agreement may cause irreparable injury to the City, entitling the City, to seek injunctive relief in addition to all other legal remedies. This requirement does not apply to confidential economic development activities pursuant to §50-18-72 or to any development authority for the purpose of promoting the development of trade, commerce, industry, and employment opportunities or for other purposes and, without limiting the generality of the foregoing, must specifically include all authorities created pursuant to Title 36 Chapter 62; However, per provisions of subparagraph (e)(1)(B)of Code Section 36-62-5 reporting of potential conflicts of interest by development authority board members is required.

15. Compliance with Title VI of the Civil Rights Act of 1964

The City of Alpharetta, as a federal grant recipient, conforms to Title VI of the Civil Rights Act of 1964 and its amendments. Title VI of the Civil Rights Act of 1964 requires that no person in the United States will, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Presidential Executive Order 12898 addresses environmental justice in minority and low-income populations. Presidential Executive Order 13166 addresses services to those individuals with limited English ability.

The City is committed to enforcing the provisions of Title VI and to taking positive and realistic affirmative steps to ensure the protection of rights and opportunities for all persons affected by its programs.

Any person who believes they have been subjected to unlawful discriminatory practice under Title VI has a right to file a formal complaint. Any such complaint must be filed in writing or in person with the City of Alpharetta's, Title VI Compliance Officer, within one hundred-eighty (180) days following the date of the alleged discriminatory action. For more information or Title VI Discrimination Complaint Forms contact the Title VI Compliance Officer at the following:

Human Resources: Title VI Compliance
City of Alpharetta

2 Park Plaza
Alpharetta, GA 30009
Tel: 678-297-6014

16. Substitutions and Change Orders

NO substitutions of material, schedule cancellations, or Change Orders are allowed after Contract award without written approval by the Director of the contracting City Department or his authorized representative. Cumulative Change Orders more than $50,000.00 or 10% of the original contract will require the approval of the City Council.

Where specific employees are proposed by the Contractor for the work, those employees must perform the work as long as those employees work for the Contractor, either as employees or subcontractors, unless the City agrees to a replacement or requests same based on an objective standard of review of past performance. We will review requests for any substitution and may be approved by the City at its sole discretion. We will not recognize any verbal agreements to the contrary. In the event a substitution of a Contractor employee is required due to termination of employment by Contractor, Contractor must provide the City with prompt written notice of the need for such substitution and must cooperate with the City in providing a replacement.

17. Bonding Requirements

A. **Bid Bond**

A bid bond for 5% of bid total required and must be submitted with bid prior to bid due date/time.

By signing and submitting this bid to the City, **BIDDER** agrees that in case of failure on their part to execute said contract and bond or provide satisfactory proof of carriage of the insurance required, within fourteen (14) calendar days after the award thereof, the Bid Bond or certified check accompanying their bid and the money payable thereon will be forfeited to the **CITY** as liquidated damages; otherwise, the check or Bond accompanying this bid will be returned to the **BIDDER**.

Refer to ITB Forms, Bid Bond for required Bid Bond form.

B. **Performance and Payment Bonds**

Prior to commencing the Work, the Contractor, as principal, and a surety company listed in the Federal Register and licensed to write surety insurance in the State of Georgia, as surety, must give a Performance Bond in the amount of one hundred percent (100%) of the price of the Contract and a Payment (Labor and Material) Bond, in the amount of one hundred percent (100%) of the price of the Contract.

"Performance bond" means a bond with good and sufficient sureties or guarantees for the faithful performance of the Contract and to indemnify the City for any damages occasioned by a failure to perform same within the prescribed time. Such bond must be payable to, in favor of, and for the protection of the City. This Performance bond must also provide to keep the bridge in good condition for a period of not less than seven years.

"Payment bond" means a bond with good and sufficient sureties or guarantees payable to the City and intended for the use and protection of all subcontractors and all persons supplying labor, materials, machinery, and equipment in the prosecution of the Work provided for in the Contract for the use of all persons doing work or furnishing skills, tools, machinery, or materials under or for the purpose of constructing the Project. The life of these bonds must extend through the Final Completion date of the Project for an added sixty (60) day maintenance period (where applicable) and a twelve-month warranty/guarantee period after Final Completion.

18. Invoicing, Payment Processing, ePayables

Replying to this ITB confirms Bidder's agreement to accept electronic payments (*ePayables*) of invoices if awarded the contract.

Contract Draft

A separate contract draft document has been posted for Consultant's review at the Bonfire documents site for this ITB.

Appendix A: City Truck Route Allowed Truck Routes and Map

Certain trucks may travel in and through the City of Alpharetta using only those streets and roads highlighted in the Truck Route Map provided in Appendix A of this document and available for review online at:

http://www.alpharetta.ga.us/government/departments/public-works/alpharetta-truck-routes.

As noted in Chapter 18 (Traffic) of the Code of the City of Alpharetta, Georgia, except as specifically set out herein, trucks (defined as motor vehicle having a gross vehicular weight rating (G.V.W.R.) in excess of thirty-six thousand pounds (36,000 lbs.) or having an overall length in excess of thirty feet (30'), except vehicles designed to carry passengers) are prohibited from using any street within the City except those designated below:

1) SR 9 (North Main Street – South Main Street)
2) SR 120
3) Haynes Bridge Road (SR 120 to City Limits)
4) Hembree Road (Westside Parkway to Roswell City Limits continuing on Roswell Truck Route)
5) Mansell Road
6) Maxwell Road (SR 9 to Hembree Road)
7) McGinnis Ferry Road
8) North Point Parkway
9) Union Hill Road
10) Westside Parkway
11) Windward Concourse
12) Windward Parkway (SR 9 to Union Hill Road)

Exceptions to the above schedule are when the terminal, parking lot, repair garage, headquarters, place of pickup or delivery of the restricted motor vehicle is not on a designated truck route, ingress to and egress from such places will be made by the most direct route available between the terminal, parking lot, repair garage, headquarters, place of pickup or delivery and the nearest designated truck route.


Note:
Restricted vehicles must stay on designated truck routes. UNLESS a destination necessary for business, such as a pickup or delivery point, garage, or terminal is accessible only via a non-designated truck route. Ingress and egress to and from such points shall be made by most direct route available from nearest designated truck routes.
DATE OF LAST MAP REVISION
April 10, 2017
N
E
S
W
Future Roadway Project will upgrade weight restricted bridge. McGinnis Ferry Throuigh Alpharetta will become a Truck Route
FORSYTH COUNTY
JOHNS CREEK
MILTON
ROSWELL
KIMBALL BRIDGE RD
WESTSIDE PKWY
NORTH POINT PKWY
LEGEND
Truck Route
SOURCE NOTE: THIS PRODUCT IS REPRODUCED FROM GEOSPATIAL INFORMATION PREPARED BY CITY OF ALPHARETTA GIS AND FULTON COUNTY. CITY OF ALPHARETTA DATA IS DEVELOPED AND MAINTAINED SOLELY FOR CITY BUSINESS FUNCTIONS AND IS NOT GUARANTEED TO BE ACCURATE.
City of Alpharetta

Appendix B: Informational Forms (not returned in Bid package)

Subcontractor E-verify Affidavit

AFFIDAVIT VERIFYING SUBCONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract with _____ (contractor) on behalf of the **City of Alpharetta (GA)** has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the subcontractor with the information required by O.C.G.A. § 13-10-91(b). Additionally, the undersigned subcontractor will forward notice of the receipt of an affidavit from a sub-subcontractor to the contractor within five business days of receipt. If the undersigned subcontractor receives notice that a sub-subcontractor has received an affidavit from any other contracted sub-subcontractor, the undersigned subcontractor must forward, within five (5) business days of receipt, a copy of the notice to the contractor.

Subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization (E-Verify) User Identification Number

_____
Date of Authorization

_____
Name of Subcontractor

_____
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, ____, 201__ in _____ (city), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE ____ DAY OF _____, 201__.

_____ _____
NOTARY PUBLIC My Commission Expires

Sub-subcontractor E-verify Affidavit

THE CITY OF
ALPHARETTA
GEORGIA

AFFIDAVIT VERIFYING SUB-SUBCONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM

By executing this affidavit, the undersigned sub-subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract for _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract) and _____ (contractor) on behalf of the **City of Alpharetta (GA)** has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned sub-subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned sub-subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the sub-subcontractor with the information required by O.C.G.A. § 13-10-91(b). The undersigned sub-subcontractor shall submit, at the time of such contract, this affidavit to _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract). Additionally, the undersigned sub-subcontractor will forward notice of receipt of any affidavit from a sub-subcontractor to _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract.

Sub-subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization (E-Verify) User Identification Number

_____
Date of Authorization

_____
Name of Sub-subcontractor

_____
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, ____, 201__ in _____ (city), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE ____ DAY OF _____, 201__.

_____ _____
NOTARY PUBLIC My Commission Expires

Subcontractor Participation List

To: City of Alpharetta, Georgia

From: [Contractor/Consultant Name]

Re: ITB 23-003, Webb Bridge Rd Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway

Date: [Date of Accompanying Invoice]

Is the accompanying invoice the final invoice for this project? _____ Yes _____ No

Select one of the following:

_____ No subcontractors providing a service have been utilized on this project.

_____ Below is a list of all subcontractors which have provided a service on this project.

	Subcontractor Name	Scope of Services
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Add additional pages as needed to list all subcontractors.

Final Affidavit

[Optional: For construction projects. Remove if not appropriate for this Qualification]
TO: CITY OF ALPHARETTA, GEORGIA

I, _____, hereby certify that all suppliers of materials, equipment and service, Subcontractors, mechanics, and laborers employed by _____ or any of their Subcontractors in connection with the Work of:

> **WEBB BRIDGE RD BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS – NORTH POINT TO BIG CREEK GREENWAY** project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, replacement of the bridge crossing Big Creek, installation of pedestrian lighting, installation of landscaping, and related work. The location of work is along Webb Bridge Road between North Point Parkway and Big Creek Greenway --- within the City of Alpharetta, Georgia.

in the CITY OF ALPHARETTA have been paid and satisfied in full as of _____, 20___ , and that there are no outstanding obligations or claims of any kind for the payment of which **CITY** on the above-named project might be liable, or subject to, in any lawful proceeding at law or in equity. Schedule of Subcontractor Participation has been completed and made part of this Final Affidavit.

_____
Signature

_____
Title

Personally appeared before me this _____day of_____ , 20___ .

_____, who under oath deposes and says: that they are of the firm of _____; that they have read the above statement; and that to the best of their knowledge and belief same is an exact true statement.

_____
Notary Public

_____
My Commission Expires

Appendix C: Sample Contract Bond Forms (not returned in Bid package)

Do not return these forms with Bids. Only the awarded contractor will have to supply these bonds.

A. 100% Performance Bond
B. !00% Labor and Material Payment Bond

[The rest of page intentionally blank]

100% Performance Bond

BOND # _____

KNOW ALL MEN BY THESE PRESENTS: that, _____, as Principal, hereinafter called **CONTRACTOR**, and _____, a corporation organized and existing under the laws of the State of Georgia, hereinafter called **SURETY**, are held and firmly bound unto CITY OF ALPHARETTA, GEORGIA, as oblige, hereinafter called **CITY** and their successors and assigns, in the penal amount of _____DOLLARS ($_____) for the payment of which the **CONTRACTOR** and **SURETY** bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly be these presents.

WHEREAS CONTRACTOR has by written agreement dated _____, 20____ , entered into a written construction contract, hereinafter referred to as the **CONTRACT,** with **CITY** for:

> **WEBB BRIDGE RD BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS – NORTH POINT TO BIG CREEK GREENWAY** project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, replacement of the bridge crossing Big Creek, installation of pedestrian lighting, installation of landscaping, and related work. The location of work is along Webb Bridge Road between North Point Parkway and Big Creek Greenway --- within the City of Alpharetta, Georgia, more particularly described in the **CONTRACT** (hereafter called the **PROJECT**),

in accordance with drawings and specifications prepared by **CITY**, which **CONTRACT** is by reference made a part hereof.

NOW, THEREFORE, the conditions of this obligation is such that, if **CONTRACTOR** must fully and completely perform all the undertakings, covenants, terms, conditions, warranties and guarantees contained in said **CONTRACT**, including all modifications, amendments, changes, deletions, additions and alterations thereto that may hereafter be made, then this obligation will be null and void, otherwise it will remain in full force and effect. In addition, **CONTRACTOR** must keep the bridge in good condition for a period of not less than seven years.

Whenever **CONTRACTOR** is, and declared by **CITY** to be in default under the **CONTRACT**, the **CITY** having performed **CITY**'s obligation thereunder, the **SURETY** will promptly remedy the default promptly as follows:

1. Complete the **CONTRACT** in accordance with its terms and conditions; or,
2. Obtain a bid or bids for completing the **CONTRACT** in accordance with its terms and conditions, and upon determination by **SURETY** and the **CITY** of the lowest responsible bidder, arrange for a contract between such Bidder and the **CITY**, and make available as **PROJECT** progresses (even though there should be a default or a succession of defaults under the **CONTRACT** or Contract of Completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the **SURETY** may be liable hereunder, the penal sum set forth in the first paragraph hereof. The term "Balance of the Contract Price", as used in this paragraph will mean the total amount payable by **CITY** to **CONTRACTOR** under the **CONTRACT** and any amendments hereto, less the amount properly paid by **CITY** to **CONTRACTOR**.

100% Performance Bond

3. Allow the **CITY** to complete the **PROJECT** and reimburse the **CITY** for all reasonable costs incurred in completing the **PROJECT.**

The **SURETY** hereby waives notice of any and all modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and any other amendments in or about the **CONTRACT**, and agrees that the obligations undertaken by this bond will not be impaired in any manner by reason of any such modifications, omissions, additions, changes, alterations, extensions of time, change in payment terms, and amendments.

The **SURETY** hereby agrees that this bond will be deemed amended automatically and immediately, without formal or separate amendments hereto, upon any amendment to the **CONTRACT**, so as to bind the **CONTRACTOR** and the **SURETY** to the full and faithful performance of the **CONTRACT** as so amended or modified, and so as to increase the penal sum to the adjusted Contract Price of the **CONTRACT**.

No right of action will accrue on this bond to or for the use of any person, entity, or corporation other than the **CITY** and any other obligee named herein, or their executors, administrators, successors, or assigns.

This Bond is intended to comply with O.C.G.A. § 36-91-70 and will be interpreted to comply with the minimum requirements thereof. However, in the event the express language of this bond extends protection to the **CITY** beyond that contemplated by O.C.G.A. § 36-91-70, or any other statutory law applicable to this **PROJECT**, then the additional protection will be enforced in favor of the **CITY**, whether or not such protection is found in the applicable statutes.

No action can be instituted on this bond after one year from the completion of the **CONTRACT** and the acceptance by the **CITY** of the work thereunder.

IN WITNESS WHEREOF the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

Signed and sealed this _____day of_____ , 20___ .

In the presence of:

CONTRACTOR: _____

_____
Witness

By:_____(Seal)

SURETY: _____

_____
Witness

By:_____ (Seal)
Georgia Representative

SURETY Contact Information:

Address: _____

_____

_____

Phone: _____

Email: _____

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

BOND # _____

100% Labor and Material Payment Bond

KNOW ALL MEN BY THESE PRESENTS: that, _____, as Principal, hereinafter called **CONTRACTOR**, and _____, a corporation organized and existing under the laws of the State of Georgia, hereinafter called **SURETY**, are held and firmly bound unto CITY OF ALPHARETTA, GEORGIA, as oblige, hereinafter called **CITY** and their successors and assigns, in the penal amount of _____DOLLARS ($_____) for the payment of which the **CONTRACTOR** and **SURETY** bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly be these presents.

WHEREAS CONTRACTOR has by written agreement dated _____, 20____ , entered into a written construction contract, hereinafter referred to as the **CONTRACT,** with **CITY** for:

> **WEBB BRIDGE RD BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS – NORTH POINT TO BIG CREEK GREENWAY** project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, replacement of the bridge crossing Big Creek, installation of pedestrian lighting, installation of landscaping, and related work. The location of work is along Webb Bridge Road between North Point Parkway and Big Creek Greenway --- within the City of Alpharetta, Georgia, more particularly described in the **CONTRACT** (hereafter called the **PROJECT**),

in accordance with drawings and specifications prepared by **CITY**, which **CONTRACT** is by reference made a part hereof.

NOW, THEREFORE, the condition of this obligation is such that if **CONTRACTOR** will promptly make payment to all persons working on or supplying labor or materials under the **CONTRACT**, and any amendments thereto, with regard to labor or materials furnished and used in the **PROJECT**, and with regard to labor or materials furnished but not so used, then tis obligation will be void; but otherwise, it will remain in full force and effect subject, however, to the following conditions:

1. A Claimant will be defined as any subcontractor, person, [arty, partnership, corporation or other entity furnishing labor, services, or materials used, or reasonably required for use, in performance of the **CONTRACT**, without regard to whether such labor, services, or materials were sold, eased, or rented, and without regard to whether such Claimant is or is not in privity of contract with the **CONTRACTOR** or any subcontractor performing work on the **PROJECT**, including, but not limited to, the following labor, services, or materials: water, gas, power, light, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the **CONTRACT**.
2. In the event a Claimant files a claim against the **CITY**, or the property of the **CITY**, and the **CONTRACTOR** fails or refuses to satisfy or discharge it promptly, the **SURETY** will satisfy or discharge the claim promptly upon written notice from the **CITY**, either by bond or as otherwise provided in the **CONTRACT**.
3. The **SURETY** hereby waives notice of any and all modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and any other amendments in or about the **CONTRACT** and agrees that the obligations undertaken by this bond will not be impaired in any

100% Labor and Material Payment Bond

manner by reason of any such modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and amendments.

4. The **SURETY** hereby agrees that this Bond will be deemed amended automatically and immediately, without formal or separate amendments hereto, upon any amendment or modification to the **CONTRACT**, so as to bind the **CONTRACTOR** and **SURETY**, jointly and severally, to the full payment of any Claimant under the **CONTRACT**, as amended or modified, provided only that the **SURETY** will not be liable for more than the penal sum of the Bond, as specified in the first paragraph hereof.
5. This Bond is made for the use and benefit of all persons, firms, and corporations who or which may furnish any materials or perform any labor for or on account of the construction to be performed or supplied under the **CONTRACT**, and any amendments thereto, and they and each of them may sue hereon.
6. No action may be maintained on this Bond after one (1) year from the date the last services, labor, or materials were provided under the **CONTRACT** by the Claimant prosecuting said action.
7. This Bond in intended to comply with O.C.G.A. § 36-91-90 and will be interpreted to comply with the minimum requirements thereof. However, in the event the express language of this Bond extends protection to the **CITY** beyond that contemplated by O.C.G.A. § 36-91-90, or any other statutory law applicable to this **PROJECT**, then the additional protection will be enforced in favor of the **CITY**, whether or not such protection is found in the applicable statutes.

Signed and sealed this _____day of_____ , 20___ .

In the presence of:

CONTRACTOR: _____

_____ By:_____ (Seal)
Witness

SURETY: _____

_____ By:_____ (Seal)
Witness Georgia Representative

100% Labor and Material Payment Bond

Surety Contact Information:

Address: _____

_____

_____

Phone: _____

Fax: _____

Email: _____

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

SECTION 02900
LANDSCAPING
(Revised 03/1/2021)

PART 1 - GENERAL

1.01 SCOPE OF WORK

A. Provisions established within the General and Supplementary Conditions of the Contract, Division 1 – General Requirements, and the Construction Drawings are collectively applicable to this section.

B. Extent of landscape work is indicated on Drawings and in Schedules. Where specifications and plans contradict, the more stringent requirements shall apply.

C. Provide all labor, material and equipment required or inferred from Drawings and Specifications to complete the Work of this Section.

1.02 QUALITY ASSURANCE

A. Reference Standards:

1. Standardized Plant Names, 1988 edition, by the American Joint Committee on Horticultural Nomenclature.

2. American Standard for Nursery Stock, ANSI Z60.1, 2014 edition, by the American Nursery & Landscape Association.

B. Source Quality Control:

1. General: The only plant material accepted will be grown in an established nursery within industry standard horticultural practice. The stock will be free of disease, insects, eggs, larvae and defects such as knots, sun-scald, injuries, abrasions or disfigurement.

2. Inspection of Plant Material prior to Digging:

a. Contractor will secure all plant material to be supplied for the Project, and inform the City Representative, in writing, of location(s) within ten (10) days of Award of the Contract.

b. City Representative reserves the right to approve 100% of plant materials for the Project provided by the Contractor's sources.

c. Should the plant material be determined unacceptable, the contractor will pursue other sources until acceptable plant material is obtained, at no additional cost to the City of Alpharetta.

d. Approval at the plant source does not affect the City's right to reject material at the time of shipping receipt or before, during or after installation.

e. Contractor will inform the City Representative 72 hours prior to delivery of plant material to arrange for an inspection. The City Representative reserves the right to be present during delivery and to inspect the plant material prior to installation. The City Representative may reject plant materials at this time. Approval of delivered material does not affect the City's right to reject material before, during or after installation.

3. Shipping

a. Landscape materials will be shipped with certificates of inspection as required by governing authorities. Inspection by Federal and/or State Governments at the site does not preclude rejection of plant material by the City Representative. Plants must be properly prepared for shipment to avoid damage.

b. Plant material may be rejected if not properly shipped. Make arrangements for watering plant material during shipment as needed to avoid damage.

c. Do not ship plant material when temperatures are below 20 degrees Fahrenheit.

C. Analysis and Standards: Package standard products with manufacturer's certified analysis. For other materials, provide anaylsis by a recognized laboratory.

D. Do Not Make Substitutions: If specified landscape material is not available, submit to the City Representative proof of non-availability from reliable nursery sources (AmericanHort members) and proposal for use of equivalent material. Proof of non-availability must be submitted if the plant in question is not available in the Eastern United States.

1.03 SUBMITTALS

A. Approval: Obtain approval from City Representative for all submittals prior to beginning of Work, unless otherwise noted.

B. Topsoil Sample: If topsoil from off-site is proposed for use, submit one cubic foot of proposed topsoil.

C. Soil Report: Submit results of laboratory soil tests and a sample of recommended soil mix one week prior to beginning of the Work. All site soil and imported soil to be used must be tested for proper nutrients, organic matter and amendment recommendations from the testing laboratory. Submit physical soil sample, if requested by City Representative.

D. Planting Schedule: Submit planting schedule showing scheduled dates for each type of planting in each area of site, prior to beginning of the Work.

E. Certification: Prior to acceptance of plant material, submit certificates of inspection as required by governmental authorities, and manufacturer's or vendor's certified analysis for soil amendments and fertilizer materials. Submit other data substantiating that materials comply with specified requirements.

F. Maintenance Instructions: Upon completion of the installation, submit typewritten recommendations for maintenance of any portion of the landscape which, in the opinion of the Contractor, requires special attention.

G. Approval and Selection of Materials and Work: The selection of all Materials and the execution of all operations required under the Drawings and Specifications are subject to the approval of the City Representative. The City Representative has the right to reject any and all materials and any and all Work which, in their opinion, does not meet the requirements of the Contract Documents at any stage of the operations. The Contractor shall remove rejected work and or materials from Project site and replace promptly.

1.04 DELIVERY, STORAGE AND HANDLING

A. Packaged Materials: Deliver packaged materials in containers displaying weight, analysis and name of manufacturer. Protect materials from damage during delivery and while stored on site.

B. Sod: Sod should be delivered within 24 hours after stripping. Sod should be protected from drying and breaking of rolled strips.

C. Trees, Shrubs and Groundcover: Provide freshly dug trees and shrubs. Do not prune prior to delivery. Do not damage bark or branches in handling. Cover and protect during shipment.

D. Deliver trees, shrubs and groundcover AFTER planting preparations have been completed and install IMMEDIATELY. Any delay of planting in excess of six hours requires protection from weather and mechanical damage. Keep roots moist, store trees, shrubs and groundcover in a shaded area.

E. Label at least one tree and one shrub of each variety with a securely attached waterproof tag designating its botanical and common name. Do not remove labels on plant materials until final acceptance by Owner.

1.05 JOB CONDITIONS

A. Insurance on plant material and other stored or installed materials is the responsibility of the Contractor. The Contractor is liable for any losses due to theft, fire or vandalism incurred prior to Date of Substantial Completion of the work. Owner shall in no way be held responsible for any loss of plant material and other stored or installed materials due to fire, theft or vandalism.

B. Proceed with and complete all landscape work as soon as portions of the site become available.

C. Existing Utilities: Locate all underground utilities. Avoid possible damage to utilities. All damages to utilities resulting from this contract work will be repaired at the Contractor's expense.

D. Excavations: When conditions detrimental to plant growth are encountered, such as debris, poor drainage or other subsurface deterrents, notify City Representative in writing.

E. Planting Schedule: Prepare a proposed planting schedule. Coordinate schedule with General Contractor, Irrigation Contractor and other concerned Subcontractors. Plant trees after final grades

are established and prior to planting of sodded areas, unless otherwise acceptable to City Representative. If planting of trees occurs after sodding work, protect sodded areas and promptly repair damage to sodded areas resulting from planting operations.

1.06 WARRANTY

A. Warranty, following the date of Substantial Completion, against any defects or death as determined by the owner. **All trees shall be warrantied for a two year period. All shrubs, groundcovers and grass shall be warrantied for a one year period.** Damage by others or severe acts of nature beyond the Contractor's control are excepted.

B. Remove and replace all dead, defected, or undesirable plant material as soon as noticed or directed by the City Representative, during the warranty period. Make replacements as soon as possible during the next acceptable planting season (Spring or Fall) as directed by the City Representative. All replacements will be at the expense of the Contractor.

C. Replacements: Match adjacent specimens of the same species. Replacements are subject to all requirements stated in the Contract Documents. Warranty Period replacements, or those made after Final Acceptance, **will carry an additional one year warranty beginning at the end of the initial warranty period**.

1.07 TRAFFIC CONTROL

A. **The Contractor shall be fully responsible for traffic control on the project**.

B. Traffic control shall comply with the Manual for Uniform Traffic Control Devices (MUTCD), Latest Edition.

C. The Contractor shall submit a traffic control plan to the City of Alpharetta Traffic Department for approval. The traffic control plan shall detail all lane shifts, lane closures, detours, barrel spacing etc. and shall comply with the Manual for Uniform Traffic Control Devices (MUTCD), Latest Edition.

D. Contractor shall not impact traffic before 9:00 AM and after 4:00 PM.

PART 2 - PRODUCTS

2.01 PLANTING SOIL MIX

A. The top 12” of all backfill in areas to be planted with trees, shrubs, or groundcovers shall be a soil mix by volume as follows:
75% Existing native soil *
25% Organic compost product (pre-approved by City’s project manager)

B. All shrub and groundcover bed areas to be installed on existing grade shall be amended as follows: Spread 3” layer of organic compost product over existing native soil* (prepped according to Section 3.03)

* Existing native soil to be used for planting soil must be tested by a City approved laboratory such as a UGA Cooperative Extension Office. Native soil shall then be amended according to the recommendations of the Soil Test Report in order to create an approved Planting Soil Mix.

Example Planting Soil Mix for 10 cubic yards of planting area backfill:
75% Existing native soil – 7.5 cubic yards
25% Sugar Hill Soil Conditioner by Cowart Mulch – 2.5 cubic yards
Fertilizer as recommended in Soil Test Report
Sulfur as recommended in Soil Test Report

2.02 FERTILIZER

A. Provide a slow-release fertilizer for trees, shrubs and groundcover as required in accordance with results and recommendations of Soil Test Report relative to ornamental plant crops, including micro nutrients if applicable having an analysis of 12-4-8 (12 pounds of nitrogen, four pounds of available phosphoric acid and eight pounds of water soluble potash respectively for each 100 pounds of mixture).

B. Provide fertilizer for lawns in accordance with results and recommendations of Soil Test Report relative to lawn installation. Provide nitrogen in a form that will be available to lawn during initial growth period.

2.03 PLANT MATERIALS

A. General:

1. Provide plants true to species and variety, complying with recommendations of ANSI Z60.1-2014 "American Standard for Nursery Stock".

2. Specific requirements concerning plant material and the manner in which it is to be supplied are shown on the Drawings and Plant List (or Plant Schedule).

B. Quality and Size:

1. Furnish nursery grown plants, freshly dug, well branched, fully foliaged when in leaf and with healthy well developed root systems. Shrubs must have self supporting stems. All plants to disease free and without insect infestation (all life stages).

2. Provide full and symmetrical plants unless otherwise called for.

3. Provide trees and shrubs of sizes shown or specified. Trees and shrubs of larger size may be used if acceptable to the City Representative. Rootballs must be increased proportionately per ANSI Z260.1-2014 standards. The increased size will not result in additional cost to the Owner.

4. Within each size range, not less than 50% of the plants must be of the maximum size specified; for example, 8’-10’ height specification requires that not less than 50% of the plants are 10’ height.

5. Balled and Burlaped Plants: Plants designated "B&B" are to have firm, natural balls of soil corresponding to sizes specified in ANSI Z60.1-2014 "American Standard for Nursery Stock". Balls to be firmly wrapped in biodegradable burlap and securely tied with biodegradable heavy twine, rope and/or wire baskets. Plants with loose, broken or manufactured rootballs will be rejected. Rootballs shall be lifted from the bottom only, not by stems or trunks.

6. Container grown plants in plastic containers will be acceptable in lieu of balled and burlaped plants provided that they are of specified size and quality. The container must be removed, with care being exercised as to not injure the plant and roots, prior to planting.

C. Trees:

1. Provide trees of height and caliper listed or shown and with branching configuration recommended by ANSI Z60.1-2014 for type and species required. Provide single stem trees except where other forms are specified in the Contract Documents.

2. Caliper shall be measured six inches above ground for trees up to and including 4" caliper. Trees over 4" caliper shall be measured 12 inches above ground. Specified height and spread dimensions refer to the main body of the plant and not branch tip to tip. Take measurements with branches in natural position.

3. Do not limb up trees more than two feet before planting. Prune to desired form as directed by the City Representative.

D. Groundcovers:

1. Provide established and well-rooted groundcover plants, in removable containers or integral peat pots, having not less than the minimum number and length of runners per ANSI Z60.1-2014 for the pot size specified.

E. Grass:

1. When grassing/sodding areas adjacent to residential or commercial lawns, grassing/sodding shall match the species and cultivar of grass growing on the adjacent lawn.

2. Grass Seed: Provide fresh, clean, new crop-seed complying with tolerance for purity and germination established by Official Seed Analysts of North America. Provide seed of grass species, proportions and minimum percentages of purity, germination and maximum percentage of weed seed, as specified in Drawings.

3. Sod: Provide strongly rooted sod, not less than two years old and free of weeds and undesirable native grasses. Only provide sod capable of growth and development when planted. Provide machine cut sod of a uniform minimum soil thickness of 5/8 inch plus thickness of top growth and thatch. Sod pieces to be consistent in size and shape. All sod must be a true certified turf grass.

2.04 MISCELLANEOUS LANDSCAPE MATERIALS

A. Burlap for wrapping earthball shall be biodegradable jute mesh not less than 7.2oz per square yard. Wrapping materials made from man made fibers are unacceptable.

B. Stakes: Grade No. 2 or better, uniform grade pressure treated pine LP-22 or sound new hardwood or redwood free of knotholes and other defects.

C. Anchors: #4 rebars or comparable size steel stakes, 36 inches in length.

D. Soil separator: Rot resistant polypropylene filter fabric, water permeable and unaffected by freeze-thaw.

E. Drainage Gravel: Clean crushed stone no larger than 1" diameter.

F. Water: Water transportation is the sole responsibility of the Contractor.

G. Mulch:

1. Unless otherwise indicated on the plans, mulch shall be pinestraw. Pinestraw shall be clean, fresh, dark brown, and free of branches, cones, foreign matter, insects and disease.

2. When plans indicate hardwood mulch, contractor shall adhere to specifications indicated on plans. If no specifications exist, hardwood mulch shall be clean, fresh, and free of branches, leaves, pine needles, manufactured wood products, foreign matter, insects and disease.

H. Anti-Desiccant: If used, anti-desiccant must be an emulsion-type film-forming agent designed to permit transpiration but retard excessive loss of moisture from plants. Deliver for use in manufacturer's original containers/packaging and apply in accordance with manufacturer's instructions.

PART 3 - EXECUTION

3.01 PREPARATION

A. General:

1. Contractor shall examine conditions under which planting is to be installed, review applicable site survey drawings, and be familiar with location of underground utilities before digging.

2. Planting operations are to be performed according to specific dates indicated on plans. **If specific dates are not indicated on plans, planting shall be performed as follows: Trees: November 1 to February 28. Shrubs/groundcovers: April 1 to April 30.** No installation of plant material shall take place during official City Holidays or from December 24 through January 1. The Contractor guarantees the plant material as specified. Plant only during suitable weather conditions and seasons.

3. Lay out tree and shrub locations and areas for mass plantings. Flag tree locations, outline areas and secure City Representative's acceptance before start of excavation for planting work. Make adjustments as may be requested.

4. Notify City Representative of adverse sub-surface drainage or soil conditions. State conditions and submit a proposal for correction, including costs. Obtain approval for method of correction prior to continuing Work in the affected area. In the event that alternate locations are selected, the Contractor shall prepare such areas at no additional expense to the Owner.

B. Excavation for Trees and Specimen Shrubs:

1. Excavate pits, beds and trenches as specified and as shown on the drawings.

2. Loosen hardpan until hardpan has been broken and moisture is allowed to drain freely.

3. For balled and burlaped (B&B) trees and shrubs make excavations at least 3' wider than the rootball diameter for the top 1/3 of the pit. For the remaining depth of the pit, excavate at least two feet wider than the rootball diameter and equal to the ball depth plus an allowance for setting rootball. **City Representative must approve sample tree pit prior to tree planting.**

4. For container grown stock, excavate as specified for balled and burlaped stock. Adjust to size of container width and depth.

C. Drainage Testing:

Tree and specimen shrub pit: Fill each pit ¼ full with water. If percolation is less than 100% within a period of 12 hours, drill a ten inch auger hole to a depth of four feet below the bottom of the pit. Fill auger hole with drainage gravel and cover with soil seperator. Retest pit. If drainage is still unsatisfactory, Contractor must notify City Representative in writing of the the locations with unsatisfactory drainage so that a solution can be arrived at before planting.

3.02 PREPARATION OF PLANTING SOIL MIX

A. Rid topsoil of all foreign material greater than the size of a golf ball. This includes rocks, stones, roots, sticks, clay clods, etc. Other extraneous materials harmful or toxic to plant growth such as asphalt must be removed in its entirety before soil preparation.

B. For planting pit and planter backfill, prepare Planting Soil Mix prior to backfilling and keep covered until used.

C. For groundcover and shrub beds on existing grade, prepare planting areas accoding to Section 3.03 before planting.

D. Delay mixing of fertilizer and other additives recommended per the Soil Testing Report if planting will not follow preparation of Planting Soil Mix within a few days.

3.03 PREPARATION OF SHRUB /GROUNDCOVER PLANTING BEDS ON EXISTING GRADE

A. Layout planting beds on the ground as shown on the plans. Layout to be approved by City Representative prior to soil preparation and plant installation.

B. Remove any existing turf within entire planting bed area.

C. Outline bed with a trench edge as detailed.

D. Spread 3” layer of City approved organic compost product over existing native soil within entire planting bed area. Till planting bed area thoroughly to 12” depth.

E. Additional Planting Soil Mix mix may be necessary to build up shrub beds to grade as detailed.

F. Fine grade planting areas to ensure positive drainage after settlement has occured. Slope surface of shrub beds to drain toward the trench edge.

3.04 PREPARATION OF SEASONAL COLOR BEDS

A. Excavate seasonal color bed to a depth of four inches, break through "hard pan" and remove all stone, roots, debis, etc. Remove excavated soil.

B. Till excavated bed to a depth of 6-8".

C. Slope the base of the seasonal color bed to the trench edge. Add four inch diameter drainage pipe if necessary to ensure proper drainage.

D. Backfill seasonal color bed with a soil mix best suited for seasonal color growth. Soil mix must be pre-approved by the City.

E. Seasonal color bed should be constructed a minimum of six inches above existing grade.

3.05 PREPARATION FOR LAWN/TURF AREAS

A. Loosen the grade of lawn/turf areas to a minimum depth of six inches. Remove stones over one and one-half inch in any dimension, along with sticks, roots, rubbish and other extraneous material.

B. Grade lawn/turf areas to a smooth even surface with loose but uniformly fine-textured soil. Roll and rake areas as required to meet finish grades. Limit fine grading to areas which can be planted immediately afterwards.

C. Fertilize and lime prior to start of lawn/turf installation. Apply ground limestone at the rate recommended by Soil Test Report and work into top six inches of soil. Apply fertilizer at the rate recommended by Soil Test Report and work into top two inches of soil. The fertilizer application shall not precede the placement of sod by more than three days.

D. Moisten prepared lawn/turf areas before planting if soil is dry. Water thoroughly and allow surface moisture to dry before planting.

E. Prior to planting, repair any areas that have become eroded or otherwise disturbed after fine grading.

F. Where lawn/turf is to be planted in areas that have not been altered or disturbed by excavating, grading, etc., prepare soil for lawn planting as follows: Remove existing grass/sod or other vegetation. Dispose of such material outside of Owner's property. Till to a depth of not less than six inches, obtaining loose but uniformly fine-textured soil that is free of lumps, stones, roots and other extraneous matter. Apply soil amendments and initial fertilizers at the rate recommended by Soil Test Report in manner described in Section C, above. Remove high areas and fill in depressions as needed.

3.06 PLANTING TREES AND SPECIMEN SHRUBS

A. Remove all existing turf within a 5’ radius of all proposed trunk locations. Soil must be tilled to a depth of 12” within a 5’ radius of all proposed trunk locations.

B. Set balled and burlaped (B&B) stock on a layer of compacted planting soil mixture, plumb and in center of pit with top of ball 3 - 4" above the finish grade. Loosen and remove burlap and biodegradable ropes from half of rootball. **Cut and remove the top half of all wire baskets before backfilling.** Use Planting Soil Mix to backfill plant pits. After plants are set, place additional backfill around base and sides of ball and work each layer to settle backfill and eliminate voids and air pockets. When excavation is approximately two thirds full, water thoroughly before placing remainder of backfill. Repeat watering until no more is absorbed. Continue watering after placing final layer of backfill. **A City approved Moisture Manager product must be applied at time of initial watering per manufactureres specifications.**

C. Install container grown stock exactly as specified for balled and burlaped stock. Remove containers, without damaging rootballs, prior to backfilling.

D. As needed, apply anti-desiccant if deciduous trees or shrubs are moved in full leaf. Spray with anti-desiccant at nursery before moving and again after planting as per manufacturer's recommendations.

E. Smooth planting areas to conform to specified grades after full settlement has occured and mulch has been applied.

F. Mulching: Immediately after planting work has been completed, mulch all planting areas/beds to a minimum depth of three inches. **For trees, mulch ring must have a minimum radius of 5 feet.** Finish mulched area edges according to plan detail.

G. Watering: All trees and specimen shrubs must be sufficiently watered at time of planting per section 3.06 B. Water thereafter as required by Section 3.10.

3.07 STAKING, GUYING AND PRUNING

A. Stake and guy trees, if required, immediately after planting. Plants shall be plumbed after staking or guying. Maintain stakes and guys until acceptance of the job.

B. Staking trees of one inch caliper and under or < four feet in height: Use single stake with rubber hose and fabric tie loop around trunk. Wire ties not allowed. Use only specified stakes.

C. Staking trees of one inch to three inch caliper: Adhere to staking details unless alternate detail has been approved by the City Representative prior to the beginning of planting operations.

D. Guying trees over three inch caliper: Guy trees according to detail. Position guys around trunk at approximately 2/5ths the height of the tree. Anchor guys in ground to specified stakes driven below finish grade.

E. Pruning: Unless otherwise directed by the City Representative, do not cut tree leaders; remove only injured or dead branches from trees. Prune shrubs only at the direction of the City Representative.

F. Inspect tree trunks for injury, improper pruning, and insect infestation. Inform City Representative of any problems.

3.08 PLANTING SHRUB AND GROUNDCOVER BEDS

A. Prepare beds according to section 3.03.

B. Remove plants from containers, without damaging the rootball, and set in excavated holes per plan specifications.

C. Backfill rootball pit with soil from the bed and Planting Soil Mix. Lightly compact the soil around the plant to eliminate voids and air pockets.

D. Mulching: Immediately after planting work has been completed, mulch all planting areas/beds to a minimum depth of three inches. Finish mulched area edges according to detail. Remove all mulch from foliage of plants.

E. All shrubs, and groundcovers must be sufficiently watered at time of planting. Sufficient watering is determined by soil conditions, site conditions, weather, and season. Soil moisture must be verified using a soil moisture probe. Water thereafter as required by Section 3.10 of these specifications.

F. **A City approved Moisture Manager product must be applied per manufacturer's specifications at time of initial watering.**

3.09 INSTALLING LAWNS

A. Sodding New Lawns:

1. When grassing/sodding areas adjacent to residential or commercial lawns, grassing/sodding shall match the species and cultivar of grass growing on the adjacent lawn.

2. Water soil at area to be sodded prior to installing sod. Soil must be moist but not saturated when laying sod.

3. Lay sod within 24 hours from time of stripping. If not possible, sod may be stored on site up to 36 hours after stripping provided sod is properly protected; unstack, unroll, place in shade and keep moist.

4. Do not plant dormant sod.

5. Do not plant sod on frozen ground.

6. Lay sod to form a solid mass with tightly fitted joints. Do not overlap. Stagger strips. Work from boards to avoid damage to subgrade or sod. Tamp or roll lightly with water filled roller to ensure contact with subgrade. Work sifted soil into gaps between pieces of sod; remove excess to avoid smothering of adjacent grass.

7. Anchor sod with pegs to prevent slippage on slopes wherever erosion can be anticipated. Lay sod perpendicular to slope direction with staggered joints.

8. Water sod thoroughly with a fine spray immediately after planting until soil is damp to a depth of four inches.

9. **A City approved Moisture Manager product must be applied per manufacturer's specifications at time of initial watering.**

3.10 MAINTENANCE AND WATERING

A. Begin maintenance immediately after planting and maintain trees, shrubs and other plants until Date of Substantial Completion.

B. Maintain trees, shrubs and other plants by all accepted horticulture practices such as: watering, pruning, cultivating, spraying for insects and disease as well as remulching as required for healthy growth. Restore planting saucers. Tighten and repair stake and guy supports and reset trees and shrubs to proper grades or to plumb position as required. **Remove all tree guys one (1) year after planting.**

C. Maintain lawns until issuance of Final Acceptance unless otherwise noted. Maintain lawns by watering, weeding, mowing, repair of eroded areas and re-seeding or re-sodding as necessary to establish uniform lawn areas.

D. The contractor is responsible for watering of all trees and plants through final accpetance and the warranty period as follows:

All trees, shrubs, and groundcovers must be sufficiently watered at time of planting and during warranty period. Sufficient watering is determined by soil conditions, site conditions, weather, and season. Soil moisture must be verified using a soil moisture probe.

Watering bags of sufficient volume (per manufacturer's specifications) must be placed on all trees, including multi-stem varieties, prior to acceptance by the Owner. Watering bags must be filled each time watering is required by watering schedule.

Trees, shrubs, and groundcovers must be watered as follows:
TREES
- Daily during first 2 weeks.
- Twice weekly during next 6 months.

- Weekly until established* (up to 24 months from date of installation).

SHRUBS/GROUNDCOVERS
- Daily during first 2 weeks.
- Twice weekly during next 6 months.
- Weekly until established* (up to 12 months from date of installation).

*Established = As determined by City but not to exceed 24 months for trees and 12 months for shrubs/groundcovers.

Contractor must provide a watering schedule prior to plant/tree installation. In the event that conditions do not require trees, shrubs and groundcovers to be watered, the contractor must submit a written explanation to Owner's Representative stating the reason for bypassing watering. Explanation must be submitted prior to or on the same day the scheduled watering is bypassed.

Failure to meet the watering requirements of the contract without prior written approval by the Owner's Representative may result in reduced payment, bond claims, or potential contract termination.

3.11 CLEAN UP AND PROTECTION

A. Keep pavements, staging, and work areas in an orderly condition.

B. Upon completion of work, clear grounds of debris, materials, and all equipment.

C. Protect Landscape Work and materials from damage due to operations by other contractors and trades. Maintain protection during installation and maintenance periods. Repair or replace damaged areas as directed, at no additional cost to the Owner.

D. Theft: Contractor is responsible for theft of plant material at the Project Site before, during, and after planting until the Issuance of Substantial Completion.

3.12 INSPECTION AND ACCEPTANCE

A. Periodic site inspections will be made from time to time by the City Representative to review the quality and progress of the work. Unacceptable work must be corrected within five calendar days.

B. Upon completion of work, the Contractor shall notify the City Representative at least ten (10) days prior to requested date of Substantial Completion for inspection of all portions of the work. Based upon inspection, the City Representative will issue a punch list for work to be corrected. All work in the punch list must be completed within five (5) working days from receipt of punchlist. Where inspected work does not comply with requirements, replace rejected work and continue specified maintenance until reinspected and accepted by the City Representative.

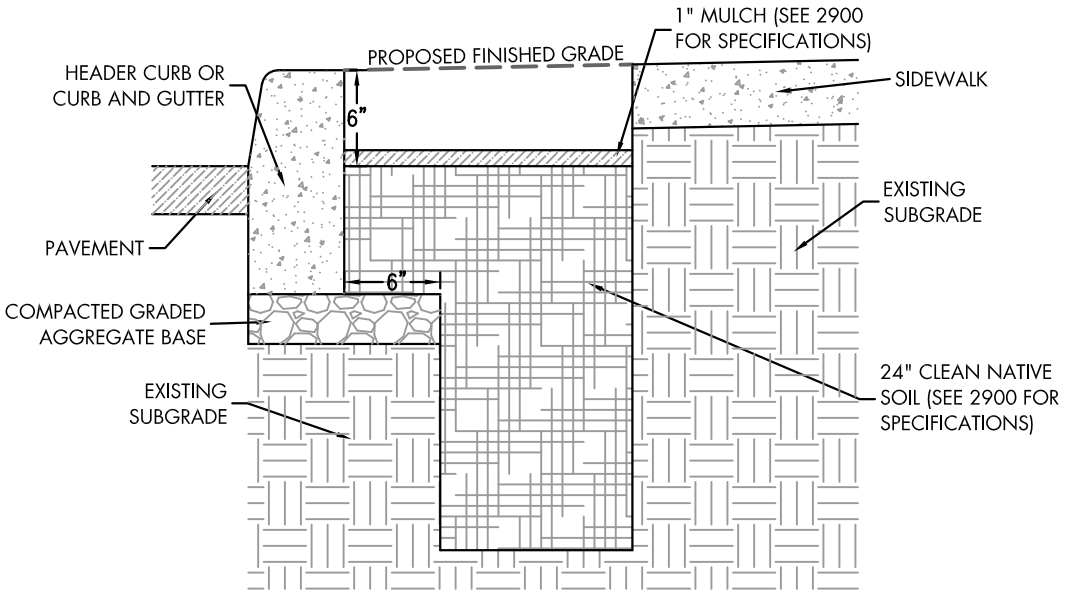
C. Certificate of Substantial Completion will be issued for acceptable work. Substantial Completion will not be issued for items with outstanding punch list requirements.

D. Warranty commences on the date of issuance of the Certificate of Substantial Completion. All new plant material and maintenance is the responsibility of the Contractor. Replacements and repair during the warranty shall be at the expense of the Contractor.

E. Final acceptance: One year after the Date of Substantial Completion the Owner will inspect shrubs and groundcovers and associated work for Final Acceptance of those items. Two years after the Date of Substantial Completion the Owner will inspect trees and associated work for Final Acceptance of those items. Upon satisfactory completion of repairs and/or replacements, warranty obligations will have been met.

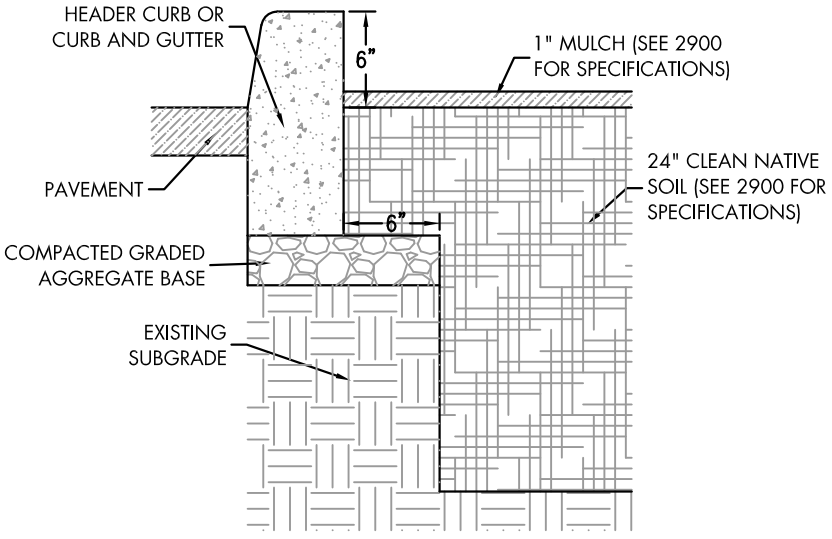
END OF SECTION 02900

FOR ROADWAY CONTRACTOR



LANDSCAPE STRIP DETAIL

NTS



LANDSCAPE MEDIAN DETAIL

NTS



FULTON COUNTY
WATER RESOURCES DEPARTMENT
TECHNICAL SPECIFICATION FOR WATER MAIN CONSTRUCTION

Part 1 General

1.01 Scope

A. The work under this Section consists of furnishing all labor, equipment and materials and performing all operations in connection with the trench excavation and backfill required to install the water lines as shown on the Drawings and as specified.

B. Excavation shall include the removal of any trees, stumps, brush, debris or other obstacles which remain after the clearing and grubbing operations, which may obstruct the work, and the excavation and removal of all earth, rock or other materials to the extent necessary to install the pipeline and appurtenances in conformance with the lines and grades shown on the Drawings and as specified.

C. Backfill shall include the refilling and compaction of the fill in the trenches and excavations up to the surrounding ground surface or road grade at crossing.

D. The trench is divided into five specific areas:

1. Foundation: The area beneath the bedding, sometimes also referenced to as trench stabilization.

2. Bedding: The area above the trench bottom (or foundation) and below the bottom of the barrel of the pipe.

3. Haunching: The area above the bottom of the barrel of the pipe up to a specified height above the bottom of the barrel of the pipe.

4. Initial Backfill: The area above the haunching material and below a plane 18 inches above the top of the barrel of the pipe.

5. Final Backfill: The area above a plane 18-inches above the top of the barrel of the pipe.

E. The choice of method, means, techniques and equipment rests with the Contractor. The Contractor shall select the method and equipment for trench excavation and backfill depending upon the type of material to be excavated and backfilled, the depth of excavation, the amount of space available for operation of equipment, storage of excavated material, proximity of man-made improvements to be protected, available easement or right-of-way and prevailing practice in the area.

1.02 Quality Assurance

A. Density: All references to “maximum dry density” shall mean the maximum dry density defined by the “Maximum Density-Optimum Moisture Test”, ASTM D 698, except that for non-cohesive materials “maximum dry density” shall mean the maximum index density as determined by the “Maximum Index Density of Soils Using a Vibratory Table”, ASTM D 4253. Determination of the density of foundation, bedding, haunching, or backfill materials in place shall meet with the requirements of ASTM D 1556, “Density of Soil In Place by the Sand Cone Method”, ASTM D 2937, “Density of Soil In Place by the Drive-Cylinder Method”

or ASTM D 2922, “Density of Soil and Soil-Aggregate In Place by Nuclear Methods (Shallow Depth)”.

B. Sources and Evaluation Testing: Testing of materials to certify conformance with the Specifications shall be performed by an independent testing laboratory in accordance with Section 01410 of these Specifications. All imported fill materials shall meet the requirements of on-site fill materials.

1.03 Safety

Perform all trench excavation and backfilling activities in accordance with the Occupational Safety and Health Act of 1970 (PL 91-596), as amended. The Contractor shall pay particular attention to the Safety and Health Regulations Part 1926, Subpart P “Excavation, Trenching & Shoring” as described in OSHA publication 2226.

Part 2 Products

2.01 Trench Foundation Materials

A. Crushed stone shall be utilized for trench foundation (trench stabilization) and shall meet the requirements of the Georgia Department of Transportation Specification 800.2.01, Group I (limestone, marble or dolomite) or Group II (quartzite, granite or gneiss). Stone size shall be between No. 57 and No. 4, inclusive.

2.02 Bedding and Haunching Materials

A. Unless specified otherwise, bedding and haunching materials shall be crushed stone as specified below.

B. Crushed stone utilized for bedding and haunching shall meet the requirements of the Georgia Department of Transportation Specification 800.01, Group I (limestone, marble or dolomite) or Group II (quartzite, granite or gneiss). Stone size shall be between No. 57 and No. 4, inclusive.

C. Earth materials utilized for bedding and haunching shall be suitable materials selected from materials excavated from the trench. Suitable materials shall be clean and free of rock larger than 2-inches at its largest dimension, organics, cinders, stumps, limbs, frozen earth or mud, man-made wastes and other unsuitable materials. Should the material excavated from the trench be saturated, the saturated material may be used as earth material, provided it is allowed to dry properly and it is capable of meeting the specified compaction requirements. When necessary, earth bedding and haunching materials shall be moistened to facilitate compaction by tamping. If materials excavated from the trench are not suitable for use as bedding or haunching material, provide select material conforming to the requirements of this Section at no additional cost to the Owner.

D. Filter Fabric Woven Type

1. Filter fabric associated with bedding shall be a polypropylene woven fabric. The fabric shall be a high modulus type with good separation capabilities. The fabric shall be inert to biological degradation and naturally occurring chemicals, alkalies and acids.

2. The fabric shall have an equivalent opening size EOS of 20 to 45. The fabric shall also conform to the minimum property values listed in the following table:

Fabric Property	Unit	Test Method	Minimum Value
Grab Tensile Strength	lbs.	ASTM D 4632	200
Grab Tensile Elongation	%	ASTM D 4632	30 (max.)
Mullen Burst Strength	psi	ASTM D 3786	400
Trapezoid Tear Strength	lbs.	ASTM D 4533	75
Puncture Strength	lbs.	ASTM D 3787	75

3. If ordered by the Engineer, the filter fabric manufacturer shall furnish the services of a competent factory representative to supervise and/or inspect the installation of pipe. This service will be furnished for a minimum of 10 days during initial pipe installation.

4. Filter fabric shall be Mirafi 500X, Amoco 2002 or Exxon GTF-200.

2.03 Initial Backfill

A. Initial backfill material shall be crushed stone or earth materials as specified for bedding and haunching materials.

B. When necessary, initial backfill materials shall be moistened to facilitate compaction by tamping. If materials excavated from the trench are not suitable for use as initial backfill material, provide select material conforming to the requirements of this Section at no additional cost to the owner.

2.04 Final Backfill

A. Final backfill material shall be general excavated earth materials, shall not contain rock larger than 2-inches at its greatest diameter, cinders, stumps, limbs, man-made wastes and other unsuitable materials. If materials excavated from the trench are not suitable for use as final backfill material, provide select material conforming to the requirements of this Section.

2.05 Select Backfill

Select backfill shall be materials which meet the requirements as specified for bedding, haunching or initial backfill materials, including compaction requirements.

2.06 Concrete

A. Concrete for bedding, haunching, initial backfill or encasement shall have a compressive strength of not less than 3,000 psi, with not less than 5.5 bags of cement per cubic yard and a slump between 3 and 5-inches. Ready-mixed concrete shall be mixed and transported in accordance with ASTM C 94. Reinforcing steel shall conform to the requirements of ASTM A 615, Grade 60.

Part 3 Execution

3.01 Trench Excavation

A. Topsoil and grass shall be stripped a minimum of 6-inches over the trench excavation site and stockpiled separately for replacement over the finished grading areas.

B. Trenches shall be excavated to the lines and grades shown on the Drawings with the centerlines of the trenches on the centerlines of the pipes and to the dimensions which provide the proper support and protection of the pipe and other structures and accessories.

C. Trench Width for Pipelines

1. The sides of all trenches shall be vertical to a minimum of one foot above the top of the pipe. Unless otherwise indicated on the Drawings, the maximum trench width shall be equal to the sum of the outside diameter of the pipe plus two feet. The minimum trench width shall be that which allows the proper consolidation of the haunching and initial backfill material.

2. Excavate the top portion of the trench to any width within the construction easement or right-of-way which will not cause unnecessary damage to adjoining structures, roadways, pavement, utilities, trees or private property. Where necessary to accomplish this, provide sheeting and shoring.

3. Where rock is encountered in trenches, excavate to remove boulders and stones to provide a minimum of 9-inches clearance between the rock and any part of the pipe barrel or manhole.

4. Wherever the prescribed maximum trench width is exceeded, the Contractor shall use the next higher Class or Type of bedding and haunching as shown on the Drawings for the full trench width as actually cut. The excessive trench width may be due to unstable trench walls, inadequate or improperly placed bracing and sheeting which caused sloughing, accidental over-excavation, intentional over-excavation necessitated by the size of the Contractor's tamping and compaction equipment, intentional over-excavation due to the size of the Contractor's excavation equipment, or other reasons beyond the control of the Engineer or Owner.

D. Depth

1. The trenches shall be excavated to the required depth or elevation which allow for the placement of the pipe and bedding to the dimensions shown on the Drawings.

2. Where rock is encountered in trenches for pipelines, excavate to the minimum depth which will provide clearance below the pipe barrel of 8-inches for pipe 21-inches in diameter and smaller and 12-inches for larger pipe, valves and manholes.

E. Excavated Materials

1. Excavated materials shall be placed adjacent to the work to be used for backfilling as required. Top soil shall be carefully separated and lastly placed in its original location.

2. Excavated material shall be placed sufficiently back from the edge of the excavation to prevent caving of the trench wall, to permit safe access along the trench and not cause any drainage problems. Excavated material shall be placed so as not to damage existing landscape features or man-made improvements.

3.02 Sheeting, Bracing and Shoring

A. Sheeting, bracing and shoring shall be installed in the following instances:

1. Where sloping of the trench walls does not adequately protect persons within the trench from slides or cave-ins.

2. In caving ground.

3. In wet, saturated, flowing or otherwise unstable materials.

4. Where necessary to prevent damage to adjoining buildings, structures, roadways, pavement, utilities, trees or private properties which are required to remain.

5. Where necessary to maintain the top of the trench within the available construction easement or right-of-way.

B. In all cases, excavation protection shall strictly conform to the requirements of the Occupational Safety and Health Act of 1970, as amended.

C. Timber: Timber for shoring, sheeting, or bracing shall be sound and free of large or loose knots and in good, serviceable condition. Size and spacing shall be in accordance with OSHA regulations.

D. Steel Sheeting and Sheet Piling: Steel sheet piling shall be the continuous interlock type. The weight, depth and section modulus of the sheet piling shall be sufficient to restrain the loads of earth pressure and surcharge from existing foundations and live loads. Procedure for installation and bracing shall be so scheduled and coordinated with the removal of the earth that the ground under existing structures shall be protected against lateral movement at all times. The Contractor shall provide closure and sealing between sheet piling and existing facilities.

E. Trench Shield: A trench shield or box may be used to support the trench walls. The use of a trench shield does not necessarily preclude the additional use of bracing and sheeting. When trench shields are used, care must be taken to avoid disturbing the alignment and grade of the pipe or disrupting the haunching of the pipe as the shield is moved. When the bottom of the trench shield extends below the top of the pipe, the trench shield will be raised in 6-inch increments with specified backfilling occurring simultaneously. At no time shall the trench shield be “dragged” with the bottom of the shield extending below the top of the pipe or utility.

F. Remove bracing and sheeting in units when backfill reaches the point necessary to protect the pipe and adjacent property. Leave sheeting in place when in the

opinion of the Engineer it cannot be safely removed or is within three feet of an existing structure, utility, or pipeline. Cut off any sheeting left in place at least two feet below the surface.

G. Sheet piling within three feet of an existing structure or pipeline shall remain in place, unless otherwise directed by the Engineer.

3.03 Rock Excavation

A. Definition of Rock: Any material which cannot be excavated with conventional excavating equipment, and is removed by drilling and blasting, and occupies an original volume of at least one-half cubic yard.

B. Blasting: Provide licensed, experienced workmen to perform blasting. Conduct blasting operations in accordance with all existing ordinances and regulations. Protect all buildings and structures from the effects of the blast. Repair any resulting damage. If the Contractor repeatedly uses excessive blasting charges or blasts in an unsafe or improper manner, the Engineer may direct the Contractor to employ an independent blasting consultant to supervise the preparation for each blast and approve the quantity of each charge.

C. Removal of Rock: Dispose of rock off site that is surplus or not suitable for use as rip rap or backfill.

D. The Contractor shall notify the Engineer prior to any blasting. Additionally, the Contractor shall notify the Engineer and local fire department before any charge is set.

E. Following review by the Engineer regarding the proximity of permanent buildings and structures to the blasting site, the Engineer may direct the Contractor to employ an independent, qualified specialty sub- contractor, approved by the Engineer, to monitor the blasting by use of seismograph, identify the areas where light charges must be used, conduct pre-blast and post-blast inspections of structures, including photographs or videos, and maintain a detailed written log.

3.04 Dewatering Excavations

A. Dewater excavation continuously to maintain a water level two feet below the bottom of the trench.

B. Control drainage in the vicinity of excavation so the ground surface is properly pitched to prevent water running into the excavation.

C. There shall be sufficient pumping equipment, in good working order, available at all times, to remove any water that accumulates in excavations. Where the utility crosses natural drainage channels, the work shall be conducted in such a manner that unnecessary damage or delays in the prosecution of the work will be prevented. Provision shall be made for the satisfactory disposal of surface water to prevent damage to public or private property.

D. In all cases, accumulated water in the trench shall be removed before placing bedding or haunching, laying pipe, placing concrete or backfilling.

E. Where dewatering is performed by pumping the water from a sump, crushed stone shall be used as the medium for conducting the water to the sump. Sump depth shall be at least two feet below the bottom of the trench. Pumping

equipment shall be of sufficient quantity and/or capacity to maintain the water level in the sump two feet below the bottom of the trench. Pumps shall be a type such that intermittent flows can be discharged. A standby pump shall be required in the event the operating pump or pumps clog or otherwise stop operation.

F. Dewater by use of a well point system when pumping from sumps does not lower the water level two feet below the trench bottom. Where soil conditions dictate, the Contractor shall construct well points cased in sand wicks. The casing, 6 to 10-inches in diameter, shall be jetted into the ground, followed by the installation of the well point, filling casing with sand and withdrawing the casing.

3.05 Trench Foundation and Stabilization

A. The bottom of the trench shall provide a foundation to support the pipe and its specified bedding. The trench bottom shall be graded to support the pipe and bedding uniformly throughout its length and width.

B. If, after dewatering as specified above, the trench bottom is spongy, or if the trench bottom does not provide firm, stable footing and the material at the bottom of the trench will still not adequately support the pipe, the trench will be determined to be unsuitable and the Engineer shall then authorize payment for trench stabilization.

C. Should the undisturbed material encountered at the trench bottom constitute, in the opinion of the Engineer, an unstable foundation for the pipe, the Contractor shall be required to remove such unstable material and fill the trench to the proper subgrade with crushed stone as directed by the Engineer.

D. Where the replacement of unsuitable material with crushed stone does not provide an adequate trench foundation, the trench bottom shall be excavated to a depth of at least two feet below the specified trench bottom. Place filter fabric in the bottom of the trench and support the fabric along the trench walls until the trench stabilization, bedding, haunching and pipe have been placed at the proper grade. The ends of the filter fabric shall be overlapped by one foot above the pipe.

E. Where trench stabilization is provided, the trench stabilization material shall be compacted to at least 90 percent of the maximum dry density, unless shown or specified otherwise.

3.06 Bedding and Haunching

A. Prior to placement of bedding material, the trench bottom shall be free of any water, loose rocks, boulders or large dirt clods.

B. Bedding material shall be placed to provide uniform support along the bottom of the pipe and to place and maintain the pipe at the proper elevation. The initial layer of bedding placed to receive the pipe shall be brought to the grade and dimensions indicated on the Drawings. All bedding shall extend the full width of the trench bottom. The pipe shall be placed and brought to grade by tamping the bedding material or by removal of the excess amount of the bedding material under the pipe. Adjustment to grade line shall be made by scraping away or filling with bedding material. Wedging or blocking up of pipe shall not be permitted. Applying pressure to the top of the pipe, such as with a backhoe bucket, to lower the pipe to the proper elevation or grade shall not be permitted. Each pipe

section shall have a uniform bearing on the bedding for the length of the pipe, except immediately at the joint.

C. At each joint, excavate bell holes of ample depth and width to permit the joint to be assembled properly and to relieve the pipe bell of any load.

D. After the pipe section is properly placed, add the haunching material to the specified depth. The haunching material shall be shovel sliced, tamped, vigorously chinked or otherwise consolidated to provide uniform support for the pipe barrel and to fill completely the voids under the pipe, including the bell hole. Prior to placement of the haunching material, the bedding shall be clean and free of any water, loose rocks, boulders or dirt clods.

E. Water Mains

1. Ductile Iron Pipe

a. Unless otherwise shown on the Drawings or specified, utilize earth materials for bedding and haunching. Type 2, 3, 4 and 5 bedding shall be as detailed on the Drawings.

b. Unless specified or shown otherwise, bedding shall meet the requirements for Type 2 Pipe Bedding. Unless specified or shown otherwise for restrained joint pipe and fittings, bedding shall meet the requirements for Type 4 Pipe Bedding.

c. Where the depth of cover over the piping exceeds 9 feet, the pipe bedding shall meet the requirements of Type 4 Pipe Bedding. Where the depth of cover over the piping exceeds 14 feet, the pipe bedding shall meet the requirements of Type 5 Pipe Bedding.

d. Type 4 or Type 5 Pipe Bedding called for on the Drawings, specified or ordered by the Engineer, shall meet requirements for Type 4 or Type 5 Pipe Bedding, utilizing crushed stone bedding and haunching material.

F. Manholes: Excavate to a minimum of 12-inches below the planned elevation of the base of the manhole. Place and compact crushed stone bedding material to the required grade before installing the manhole.

G. Excessive Width and Depth

1. Water Mains: If the trench is excavated to excess width, provide the next higher type or class of pipe bedding, but a minimum of Type 4, as detailed on the Drawings.

2. If the trench is excavated to excessive depth, provide crushed stone to place the bedding at the proper elevation or grade.

H. Compaction: Bedding and haunching materials under pipe, manholes and accessories shall be compacted to a minimum of 90 percent of the maximum dry density, unless shown or specified otherwise.

3.07 Initial Backfill

A. Initial backfill shall be placed to anchor the pipe, protect the pipe from damage by subsequent backfill and ensure the uniform distribution of the loads over the top of the pipe.

B. Place initial backfill material carefully around the pipe in uniform layers to a depth of at least 18-inches above the pipe barrel or duct bank. Layer depths shall be a maximum of 6-inches for pipe 18-inches in diameter and smaller and a maximum of 12-inches for pipe larger than 18-inches in diameter.

C. Backfill on both sides of the pipe simultaneously to prevent side pressures.

D. Compact each layer thoroughly with suitable hand tools or tamping equipment.

E. Initial backfill shall be compacted to a minimum 90 percent of the maximum dry density, unless shown or specified otherwise.

F. If materials excavated from the trench are not suitable for use as backfill materials, provide select backfill material conforming to the requirements of this Section.

3.08 Concrete Encasement for Pipelines

Where concrete encasement is shown on the Drawings for pipelines, excavate the trench to provide a minimum of 6-inches clearance from the bell of the pipe. Lay the pipe to line and grade on concrete blocks. In lieu of bedding, haunching and initial backfill, place concrete to the full width of the trench and to a height of not less than 12-inches above the pipe bell. Do not backfill the trench for a period of at least 24 hours after concrete is placed.

3.09 Final Backfill

A. Backfill carefully to restore the ground surface to its original condition.

B. The top 6-inches shall be topsoil obtained as specified in “Trench Excavation” of this Section.

C. Excavated material which is unsuitable for backfilling, and excess material, shall be disposed of, at no additional cost to the Owner, in a manner approved by the Engineer. Surplus soil may be neatly distributed and spread over the site, if approved by the Engineer. If such spreading is allowed, the site shall be left in a clean and sightly condition and shall not affect pre-construction drainage patterns. Surplus rock from the trenching operations shall be removed from the site.

D. If materials excavated from the trench are not suitable for use as backfill materials, provide select backfill material conforming to the requirements of this Section.

E. After initial backfill material has been placed and compacted, backfill with final backfill material. Place backfill material in uniform layers, compacting each layer thoroughly as follows:

1. In 6-inch layers, if using light power tamping equipment, such as a “jumping jack”.

2. In 12-inch layers, if using heavy tamping equipment, such as hammer with tamping feet.

3. In 24-inch layers, if using a hydra-hammer.

F. Settlement: If trench settles, re-fill and grade the surface to conform to the adjacent surfaces.

G. Final backfill shall be compacted to a minimum 90 percent of the maximum dry density, unless specified otherwise.

3.10 Additional Material

Where final grades above the pre-construction grades are required to maintain minimum cover, additional fill material will be as shown on the Drawings. Utilize excess material excavated from the trench, if the material is suitable. If excess excavated materials are not suitable, or if the quantity available is not sufficient, provide additional suitable fill material at no cost to the owner.

3.11 Backfill Under Roads

Compact backfill underlying pavement and sidewalks, and backfill under dirt and gravel roads to a minimum 95 percent of the maximum dry density. The top 12-inches shall be compacted to a minimum of 98 percent of the maximum dry density.

3.12 Backfill Within Georgia DOT Right-of-Way

Backfill within the Georgia DOT right-of-way shall meet the requirements stipulated in the “Utility Accommodation Policy and Standards”, published by the Georgia Department of Transportation.

3.13 Backfill Along Restrained Joint Pipe

Backfill along restrained joint pipe shall be compacted to a minimum 90 percent of the maximum dry density.

3.14 Testing and Inspection

A. The soils testing laboratory is responsible for the following:

1. Compaction tests in accordance with Article 1.02 of this Section.

2. Field density tests for each two feet of lift, one test for each 500 feet of pipe installed or more frequently if ordered by the Engineer.

3. Inspecting and testing stripped site, subgrades and proposed fill materials.

B. The Contractor's duties relative to testing include:

1. Notifying laboratory of conditions requiring testing.

2. Coordinating with laboratory for field testing.

3. Paying costs for additional testing performed beyond the scope of that required and for re-testing where initial tests reveal non-conformance with specified requirements.

4. Providing excavation as necessary for laboratory personnel to conduct tests.

C. Inspection

1. Earthwork operations, acceptability of excavated materials for bedding or backfill, and placing and compaction of bedding and backfill is subject to inspection by the Engineer.

D. Comply with applicable codes, ordinances, rules, regulations and laws of local, municipal, state or federal authorities having jurisdiction.

END OF SECTION

Part 1 General

1.01 Scope

A. The work covered by this Section includes furnishing all labor, materials and equipment required to bore and jack casings and to properly complete pipeline construction as described herein and/or shown on the Drawings.

B. Supply all materials and perform all work in accordance with applicable American Society for Testing and Materials (ASTM), American Water Works Association (AWWA), American National Standards Institute (ANSI) or other recognized standards. Latest revisions of all standards are applicable. If requested by the Engineer, submit evidence that manufacturer has consistently produced products of satisfactory quality and performance over a period of at least two years.

1.02 Submittals

A. Submit shop drawings, product data and experience in accordance with the requirements of Section 01340 of these Specifications.

B. Material Submittals: The Contractor shall provide shop drawings and other pertinent specifications and product data as follows:

1. Shop drawings for casing pipe showing sizes and connection details.

2. Design mixes for concrete and grout.

C. Experience Submittals

1. Boring and jacking casings is deemed to be specialty contractor work. If the Contractor elects to perform the work, the Contractor shall provide evidence as required by the General Conditions. A minimum of five continuous years of experience in steel casing construction is required of the casing installer. Evidence of this experience must be provided with the shop drawings for review by the Engineer.

1.03 Storage and Protection

All materials shall be stored and protected in accordance with the manufacturer's recommendations and as approved by the Engineer.

Part 2 Products

2.01 Materials and Construction

A. Casing

1. The casing shall be new and unused pipe. The casing shall be made from steel plate having minimum yield strength of 35,000 psi. The steel plate shall also meet the chemical requirements of one of the following: ASTM A36; ASTM A139, Grade B, C, D or E; ASTM A53, Type S or Type E, Grade A or B.

2. The thicknesses of casing shown in paragraph B. below are minimum thicknesses. Actual thicknesses shall be determined by the casing installer, based on an evaluation of the required forces to be exerted on

the casing when jacking. Any buckling of the casing due to jacking forces shall be repaired at no additional cost to the Owner.

3. The diameters of casing shown in paragraph B. below and shown on the Drawings are the minimum required. Larger casings, with the Engineer's approval, may be provided at no additional cost to the Owner, for whatever reasons the Contractor may decide, whether casing size availability, line and grade tolerances, soil conditions, etc.

B. Casing Sizes

UNDER HIGHWAYS/ROADWAYS		
Pipe Diameter, inches	Casing Diameter, inches	Wall Thickness, inches
12	18	0.350
42	60	0.500
54	72	0.531

C. Carrier Pipe: Carrier pipes shall meet requirements as specified in Section 02665 of these Specifications. All water pipe shall be ductile iron pipe.

D. Surface Settlement Markers: Surface settlement markers within pavement areas shall be P.K. nails. Surface settlement markers within non-paved areas shall be wooden hubs.

E. Grout and Cover Materials

1. Soil backfill for trench approaches and pits to finish grade shall be type as specified in Section 02225.

2. Fill and seal group at pipe ends using one of the following methods:

   a. Brick and mortar with type I or Type II cement conforming to ASTM C150, clean fresh water, sand conforming to ASTM C404, size No. 1. Grout shall have a minimum compressive strength of 1,000 psi, attained within 24 hours.

   b. End seals constructed of 1/8” thick neoprene rubber with ½’ think T304 stainless steel bandings and 100% non-magnetic worm gear mechanisms. Casing end seals shall be Advance Products & Systems, Inc. Model AW.

3. Cement grout mix shall be one part Portland cement, and 6 parts mortar sand mixed with fresh, clean water to consistency applicable grouting.

   a. Mortar sand shall meet the requirements of ASTM C404, size no. 1.

b. Portland cement shall meet the requirements of ASTM C1560, Type I or II.

F. Casing spacers: Casing spacers shall be a two-piece shell fabricated from T-304 stainless steel of a minimum 14 gauge thickness. Each shell section shall be lined with a 0.090-inch thick, ribbed PVC extrusion with a retaining section overlapping the edges of the shell. Bearing surfaces (runners) shall be attached to support sections at positions to properly support the carrier pipe with the casing. The runners shall be mechanically bolted to the riser. Risers shall be made of T-304 stainless steel of a maximum 10 gauge. All risers shall be welded to the shell. Casing spacers shall be manufactured by Cascade Waterworks Manufacturing Company.

2.02 Equipment

A. A cutting head shall be attached to a continuous auger mounted inside the casing pipe.

B. The steering head shall be controlled manually from the bore pit. The grade indicator shall consist of a water level attached to the casing which would indicate the elevation of the front end of the casing or some other means for grade indication approved by the Engineer.

Part 3 Execution

3.01 General

A. Interpretation of soil investigation reports and data, investigating the site and determination of the site soil conditions prior to bidding is the sole responsibility of the Contractor. Any subsurface investigation by the Bidder or Contractor must be approved by the appropriate authority having jurisdiction over the site. Rock and/or water, if encountered, shall not entitle the Contractor to additional compensation.

B. Casing construction shall be performed so as not to interfere with, interrupt or endanger roadway surface and activity thereon, and minimize subsidence of the surface, structures, and utilities above and in the vicinity of the casing. Support the ground continuously in a manner that will prevent loss of ground and keep the perimeters and face of the casing, passages and shafts stable. The Contractor shall be responsible for all settlement resulting from casing operations and shall repair and restore damaged property to its original or better condition at no cost to the Owner.

C. The Contractor shall locate, identify, and protect utilities indicated to remain from damage. Utility companies shall be notified to locate existing utilities.

D. Plant life, lawns, and other features remaining as portion of final landscaping shall be protected during the execution of work.

E. The Contractor shall protect bench marks, survey control points, existing structures, fences, sidewalks, paving, and curbs from excavating equipment and vehicular traffic.

F. The Contractor shall notify the Engineer in the event of utility conflicts and when minimum separation from existing utilities is not possible.

G. Face Protection: The face of the excavation shall be protected from the collapse of the soil into the casing.

H. Casing Design: Design of the bore pit and required bearing to resist jacking forces is the responsibility of the Contractor. The excavation method selected shall be compatible with expected ground conditions. The lengths of the casing shown on the Drawings are the minimum lengths required. The length of the casing may be extended for the convenience of the Contractor, at no additional cost to the Owner. Due to restrictive right-of-way and construction easements, boring and jacking casing lengths less than the nominal 20 foot length may be necessary.

I. Roadway Crossings

1. The Contractor shall be held responsible and accountable for the coordinating and scheduling of all construction work within the roadway right-of-way.

2. Work along or across the roadway department rights-of-way shall be subject to inspection by GDOT, Fulton County and/or the City of Alpharetta.

3. All installations shall be performed to leave free flows in drainage ditches, pipes, culverts or other surface drainage facilities of the roadway, street or its connections.

4. No excavated material or equipment shall be placed on the pavement or shoulders of the roadway without the express approval of the Engineer and the City of Alpharetta roadway department.

5. In no instance will the Contractor be permitted to leave equipment (trucks, backhoes, etc.) on the pavement or shoulder overnight. Construction materials to be installed, which are placed on the right-of-way in advance of construction, shall be placed in such a manner as not to interfere with the safe operation of the roadway.

6. The Contractor shall be responsible for providing the Owner sufficient information to obtain a blasting permit in a timely manner.

3.02 Groundwater Control

A. The Contractor shall control the groundwater throughout the construction of the casing.

B. Methods of dewatering shall be at the option and responsibility of the Contractor. Maintain close observation to detect settlement or displacement of surface facilities due to dewatering. Should settlement or displacement be detected, notify the Engineer immediately and take such action as necessary to maintain safe conditions and prevent damage.

C. When water is encountered, provide and maintain a dewatering system of sufficient capacity to remove water on a 24 hour basis keeping excavations free of water until the backfill operation is in progress. Dewatering shall be performed in such a manner that removal of soil particles is held to a minimum. Dewater into a sediment trap and comply with requirements specified in Section 02125 of these Specifications.

3.03 Safety

A. Provide all necessary bracing, bulkheads and shields to ensure complete safety to all traffic, persons and property at all times during the work. Perform the work in such a manner as to not permanently damage the roadbed or interfere with normal traffic over it.

B. Observe all applicable requirements of the regulations of the authorities having jurisdiction over this site. Conduct the operations in such a manner that all work will be performed below the level of the roadbed.

C. Perform all activities in accordance with the Occupational Safety and Health Act of 1970 (PL-596), as amended, applicable regulations of the Federal Government, OSHA 29CFR 1926 and applicable criteria of ANSI A10.16-81, “Safety Requirements for Construction of Tunnel Shafts and Caissons”.

3.04 Surface Settlement Monitoring

A. Provide surface settlement markers, placed as specified and as directed by the Engineer. The Contractor shall place settlement markers outside of pavement area, along the centerline of the casing at 10 foot intervals and offset 10 feet each way from the centerline. Markers shall also be placed at each shoulder of the roadway, at each edge of pavement, at the centerline of the pavement and at 10 and 25 feet in each direction from the centerline of the casing. Tie settlement markers to bench marks and indices sufficiently removed as not to be affected by the casing operations.

B. Make observations of surface settlement markers, placed as required herein, at regular time intervals acceptable to the Engineer. In the event settlement or heave on any marker exceeds 1-inch, the Contractor shall immediately cease work and using a method approved by the Engineer and the authority having jurisdiction over the project site, take immediate action to restore surface elevations to that existing prior to start of casing operations.

C. Take readings and permanently record surface elevations prior to start of dewatering operations and/or shaft excavation. The following schedule shall be used for obtaining and recording elevation readings: all settlement markers, once a week; all settlement markers within 50 feet of the casing heading, at the beginning of each day; more frequently at the Engineer's direction if settlement is identified. Make all elevation measurements to the nearest 0.01 foot.

D. The Contractor shall cooperate fully with jurisdictional personnel. Any settlement shall be corrected by, and at the expense of, the Contractor.

E. Promptly report any settlement and horizontal movement immediately to the Engineer and take immediate remedial action.

3.05 Boring and Jacking

A. Shaft

1. Conduct boring and jacking operations from a shaft excavated at one end of the section to be bored. Where conditions and accessibility are suitable, place the shaft on the downstream end of the bore.

2. The shaft shall be rectangular and excavated to a width and length required for ample working space. If necessary, sheet and shore shaft properly on all sides. Shaft sheeting shall be timber or steel piling of ample strength to safely withstand all structural loadings of whatever nature due to site and soil conditions. Keep preparations dry during all operations. Perform pumping operations as necessary.

3. The bottom of the shaft shall be firm and unyielding to form an adequate foundation upon which to work. In the event the shaft bottom is not stable, excavate to such additional depth as required and place a gravel sub-base or a concrete sub-base if directed by the Engineer due to soil conditions.

B. Jacking Rails and Frame

1. Set jacking rails to proper line and grade within the shaft. Secure rails in place to prevent settlement or movement during operations. The jacking rails shall cradle and hold the casing pipe on true line and grade during the progress of installing the casing.

2. Place backing between the heels of jacking rails and the rear of the shaft. The backing shall be adequate to withstand all jacking forces and loads.

3. The jacking frame shall be of adequate design for the magnitude of the job. Apply thrust to the end of the pipe in such a manner to impart a uniformly balanced load to the pipe barrel without damaging the joint ends of the pipe.

C. Boring and jacking of casing pipes shall be accomplished by the dry auger boring method without jetting, sluicing or wetboring.

D. Auger the hole and jack the casing through the soil simultaneously.

E. Bored installations shall have a bored-hole diameter essentially the same as the outside diameter of the casing pipe to be installed.

F. Execute boring ahead of the casing pipe with extreme care, commensurate with the rate of casing pipe penetration. Boring may proceed slightly in advance of the penetrating pipe and shall be made in such a manner to prevent any voids in the earth around the outside perimeter of the pipe. Make all investigations and determine if the soil conditions are such as to require the use of a shield.

G. As the casing is installed, check the horizontal and vertical alignment frequently. Make corrections prior to continuing operation. For casing pipe installations over 100 feet in length, the auger shall be removed and the alignment and grade checked at minimum intervals of 60 feet.

H. Any casing pipe damaged in jacking operations shall be repaired, if approved by the Engineer, or removed and replaced at Contractor's own expense.

I. Lengths of casing pipe, as long as practical, shall be used except as restricted otherwise. Joints between casing pipe sections shall be butt joints with complete joint penetration, single groove welds, for the entire joint circumference, in accordance with AWS recommended procedures. Prior to welding the joints, the

Contractor shall ensure that both ends of the casing sections being welded are square.

J. The Contractor shall prepare a contingency plan which will allow the use of a casing lubricant, such as bentonite, in the event excessive frictional forces jeopardize the successful completion of the casing installation.

K. Once the jacking procedure has begun, it should be continued without stopping until completed, subject to weather and conditions beyond the control of the Contractor.

L. Care shall be taken to ensure that casing pipe installed by boring and jacking method will be at the proper alignment and grade.

M. The Contractor shall maintain and operate pumps and other necessary drainage system equipment to keep work dewatered at all times.

N. Adequate sheeting, shoring and bracing for embankments, operating pits and other appurtenances shall be placed and maintained to ensure that work proceeds safely and expeditiously. Upon completion of the required work, the sheeting, shoring and bracing shall be left in place, cut off or removed, as designated by the Engineer.

O. Trench excavation, all classes and type of excavation, the removal of rock, muck, debris, the excavation of all working pits and backfill requirements of Section 02225 are included under this Section.

P. All surplus material shall be removed from the right-of-way and the excavation finished flush with the surrounding ground.

Q. Grout backfill shall be used for unused holes or abandoned pipes.

3.06 Free Boring

A. Where the Drawings or Specifications indicate a pipeline or service connection is to be installed by boring without casing or where ordered by the Engineer, the Contractor shall install the pipe by the free bore method. The allowed free bore method will be dry auger boring, without jetting, sluicing, or wet boring.

B. The diameter of the free bore shall not exceed the pipe bell outside diameter or the pipe barrel outside diameter plus 1-inch, whichever is greater.

C. The Contractor shall be responsible for any settlement of the surface (roadway, driveway, or otherwise) caused by the free bore construction activities.

D. Where the Drawings or Specifications indicate a free bore or where ordered to use the free bore method to install a segment of pipe, the Contractor may elect to install the pipe by the conventional bore and jack casing method instead.

E. If the Contractor elects to free bore, and an acceptable installation does not result for any reason, the Contractor shall install a casing pipe by the bore and jack method at no additional cost to the Owner.

F. The Contractor may elect to free bore other portions of the project in lieu of open cut installation. However, no additional payment for free bore will be made if the Contractor exercises this option.

3.07 Rock Excavation

A. In the event that rock is encountered during the installation of the casing pipe which, in the opinion of the Engineer, cannot be removed through the casing, the Engineer may authorize the Contractor to complete the crossing by a method established in a change order.

B. At the Contractor's option, the Contractor may continue to install the casing and remove the rock through the casing at no additional cost to the Owner.

3.08 Installation of Carrier Pipe

A. After the casing pipe has been installed, the alignment and elevations shall be verified and submitted to the Engineer for approval, prior to the installation of the carrier pipe.

B. The carrier pipe shall be installed centered within the casing pipe, and shall be supported by casing spacers, centered on 10-foot intervals and as shown on the Drawings.

C. The Contractor shall exercise care to prevent damage to pipe joints when carrier pipe is placed in casing.

D. Support the pipeline within casing so no external loads are transmitted to carrier pipe. Attach supports to barrel of carrier pipe; do not rest carrier pipe on bells. A minimum clearance of 1-inch shall be maintained between the pipe bell and casing pipe.

E. The ends of the casing shall be sealed by either grouting or installing casing end seals.

3.09 Sheeting Removal

Remove sheeting used for shoring from the shaft and off the job site. The removal of sheeting, shoring and bracing shall be done in such a manner as not to endanger or damage either new or existing structures, private or public properties and also to avoid cave-ins or sliding in the banks.

END OF SECTION

Part 1 General

1.01 Scope

A. This Section describes products to be incorporated into the water mains and requirements for the installation and use of these items. Furnish all products and perform all labor necessary to fulfill the requirements of these Specifications.

B. Supply all products and perform all work in accordance with applicable American Society for Testing and Material (ASTM), American Water Works Association (AWWA), American National Standards Institute (ANSI), or other recognized standards. Latest revisions of all standards are applicable.

1.02 Qualifications

If requested by the Engineer, submit evidence that manufacturers have consistently produced products of satisfactory quality and performance for a period of at least two years.

1.03 Submittals

A. Complete shop drawings, product data and engineering data for all products shall be submitted to the Engineer in accordance with the requirements of Section 01340 of these Specifications.

B. Traffic Control Plan shall be submitted at least 14 days prior to beginning any on-site work.

1.04 Transportation and Handling

A. Unloading: Furnish equipment and facilities for unloading, handling, distributing and storing pipe, fittings, valves and accessories. Make equipment available at all times for use in unloading. Do not drop or dump materials. Any materials dropped or dumped will be subject to rejection without additional justification. Pipe handled on skids shall not be rolled or skidded against the pipe on the ground.

B. Handling: Handle pipe, fittings, valves and accessories carefully to prevent shock or damage. Handle pipe by rolling on skids, forklift, or front end loader. Do not use material damaged in handling. Slings, hooks or pipe tongs shall be padded and used in such a manner as to prevent damage to the exterior coatings or internal lining of the pipe.

1.05 Storage and Protection

A. Store all pipe which cannot be distributed along the route. Make arrangements for the use of suitable storage areas.

B. Stored materials shall be kept safe from damage. The interior of all pipe, fittings and other appurtenances shall be kept free from dirt or foreign matter at all times. Valves and hydrants shall be drained and stored in a manner that will protect them from damage by freezing.

C. Pipe shall not be stacked higher than the limits recommended by the manufacturer. The bottom tier shall be kept off the ground on timbers, rails or concrete. Pipe in tiers shall be alternated: bell, plain end; bell, plain end. At least two rows of timbers shall be placed between tiers and chocks, affixed to each other in order to prevent movement. The timbers shall be large enough to prevent contact between the pipe in adjacent tiers.

D. Stored mechanical and push-on joint gaskets shall be placed in a cool location out of direct sunlight. Gaskets shall not come in contact with petroleum products. Gaskets shall be used on a first-in, first-out basis.

E. Mechanical-joint bolts shall be handled and stored in such a manner that will ensure proper use with respect to types and sizes.

1.06 Quality Assurance

The manufacturer shall provide written certification to the Engineer that all products furnished comply with all applicable requirements of these Specifications.

Part 2 Products

2.01 Piping Materials and Accessories

A. All water pipe shall be ductile iron pipe.

B. Ductile Iron Pipe (DIP) and Appurtenances

Use ductile iron pipe (18-54 inch diameter size) that meets the requirements of ANSI/AWWA C151/A21.50 for the class and joint specified. Unless otherwise specified, ductile iron pipe shall be Pressure Class 250 and have nominal laying length of 20 feet. However, 6-16 inch diameter size pipe shall be Pressure Class 350 psi and Thickness Class shall be 56 by AWWA /ANSI Standard C150/A21.50-81.

1. Fittings

Use fittings that meet the requirements of ANSI/AWWA A21.10 or A21.53, a minimum rated working pressure of 250 psi and joint specified. Ends shall be flanged, restrained mechanical joint for pipes and fittings less than 24-inch diameter or restrained push-on to suit the conditions specified. Fittings shall be manufactured in the U.S. Fittings for pipe larger than 24-inches shall have restrained joints as specified below.

2. Rubber Gasket Joints

Use standard styrene butadiene rubber (SBR) gasket joints that meet the requirements of ANSI/AWWA A21.11 for push on mechanical joints.

3. Unrestrained Joints

Unrestrained joints, where specified, shall be the rubber ring compression, push-on type joint suitable for buried service. Unrestrained joints shall be the Fastite Joint as manufactured by U.S. Pipe, or equal. This joint is not permitted on fittings or specials, unless otherwise specified. Unless otherwise specified, joints shall have an allowable

deflections up to one-half the manufacturer's allowable deflection. Joint assembly and field cut joints shall be made in strict conformance with AWWA C600 and manufacturer's allowable deflection. Joint assembly and field cut joints shall be made in strict conformance with AWWA C600 and manufacturer's recommendations.

Where specified, mechanical joints for above or below ground service shall meet the requirements of ANSI/AWWA A21.10/C110 and ANSI/AWWA A21.11/C111. Gaskets and bolts and nuts shall comply with paragraphs 02665-2.01 B2 and 8 respectively.

4. Restrained Joints

Restrained joints shall be provided as shown on the Drawings and where required for thrust restrain. Unless otherwise specified, restrained joints shall be flanged for exposed service and restrained push-on for buried services.

Restrained push-on joints shall be the Flex-Ring (up to 36-inch) or Lok-Ring Joint (42-inch to 64-inch) as manufactured by American Cast iron Pipe Company, TR Flex Joint as manufactured by U.S. Pipe, or equal. Restrained joints shall be capable of being deflected after full assembly. Joint assembly shall be in strict conformance with AWWA C600 and manufacturer's recommendations. No field cuts of restrained pipe are permitted without prior approval of the Engineer.

5. Flanges

Use flanges that meet the requirements of ANSI/AWWA A21.11.

Unless otherwise specified, flanges shall be ductile iron and shall be threaded-on flanges conforming to ANSI/AWWA A21.15/C115 or cast-on flanges conforming to ANSI/AWWA A21.10/C110. Flanges shall be adequate for 250 psi working pressure. Bolt circle and bolt holes shall match those of ANSI B15.1, Class 125 flanges and ANSI B16.5, Class 150 flanges. Where specified, flanges shall be threaded-on or cast-on flanges conforming to ANSI B16.1, Class 250.

Flange assembly bolts shall be ANSI B18.2.1 standard square or hexagon head bolts with ANSI B18.2.2 standard hexagon nuts. Threads shall be ANSI B1.1, standard coarse thread series; bolts shall be Class 2A, nuts shall be Class 2B. Bolt length shall conform to ANSI B16.5.

Unless otherwise specified, bolts shall be carbon steel machined bolts with hot pressed hexagon nuts. Where washers are required, they shall be of the same material as the associated bolts.

Gaskets for plain faced flanges shall be the full fact type. Thickness shall be 1/16-inch for pipe 10-inches and less in diameter and 1/8-inch for pipe 12-inches and larger in diameter. Unless otherwise specified, gaskets for raised face flanges shall match the raised face and shall be 1/16-inch thick for pipe 3-1/2-inches and less in diameter and 1/8-inch thick for pipe 4-inches and larger.

6. Mechanical Joint Fittings

Restraint devices for mechanical joint fittings shall be Megalug Series 1100 as manufactured by EBAA Iron, Inc., or equal.

Locked mechanical hydrant tees, bends and adapters are in acceptable substitute for anchoring fire hydrants and valves to the pipe main.

7. Ball and Socket Flexible Joint Pipe

Ball and socket flexible joint pipe shall be the boltless type and shall allow a maximum joint deflection of 15 degrees. Each joint shall be provided with a retainer lock to prevent rotation after assembly. Joints shall be the Flex-Lok Joint as manufactured by American Cast Iron Pipe Company, USIflex as manufactured by U.S. Pipe, or equal.

8. Bolts and Nuts

a. Provide the necessary bolts for connections. All bolts and nuts shall be threaded in accordance with ANSI B1.1, Coarse Thread Series, Class 2A external and 2B internal fit. All bolts and nuts shall be made in the U.S.A.

b. Bolts and nuts for mechanical joints shall be Tee Head Bolts and nuts of high strength low-alloy steel in accordance with ASTM A 242 to the dimensions shown in AWWA C111/ANSI A21.11.

c. Bolts for exposed service shall be zinc plated, cold pressed, steel machine bolts conforming to ASTM A 307, Grade B. Nuts for exposed service shall be zinc plated, heavy hex conforming to ASTM A 563. Zinc plating shall conform to ASTM B 633, Type II.

9. Grooved End Couplings

Plain end ductile iron pipe may be joined with grooved end couplings and shoulder joints if they meet the requirements of AWWA C606.

Grooved end flexible-type couplings shall be Victaulic Style 77 or equal. Grooved end rigid-type couplings shall be Victaulic Style 07 or equal. Flexible-type couplings shall be used for all piping greater than 12 inches in diameter; for pipe 12 inches in diameter and less in rack-mounted tunnel piping applications; and for grooved joints adjacent to pump suction and discharge where grooved couplings are used for noise and vibration control. All other applications for piping 12 inches in diameter and less shall utilize rigid-type couplings. Grooved end flanged coupling adapters shall be either Victaulic Style 741 or equal. Snap-joint grooved end couplings shall be Victaulic Style 78 or equal. Cut grooves are not permitted on fabricated or lightwall pipe.

Unless otherwise specified, bolts and nuts shall comply with AWWA C606. Bolts for submerged service shall be Type 316 stainless steel in conformance with ASTM F593, marking F593F. Nuts for submerged service shall be made of copper-silicon alloy bronze conforming to ASTM B98, alloy C65100, designation H04 or alloy C65500, designation H04. Bolts and nuts for buried service shall be made of noncorrosive high-strength, low-alloy steel having the characteristics specified in ANSI/AWWA C111/A21, regardless of any other protective coating.

Where washers are required, they shall be of the same material as the associated bolts.

Gaskets shall be as specified in AWWA C 606.

10. Pipe Coating

Unless otherwise specified, pipe and fittings shall be coated with asphaltic material as specified in AWWA C1512.

11. Polyethylene Tube

Polyethylene encasement shall be used where specified. Installation of polyethylene shall be as specified in AWWA C105 and these specifications. Pipe, fittings, valves and couplings shall be wrapped. Fittings that require concrete backing shall be wrapped prior to placing the concrete.

The polyethylene tube seams and overlaps shall be wrapped and held in place by means of a 2 inch wide plastic backed adhesive tape. The tape shall be as recommended by the manufacturer of the pipe and polyethylene tubing. The tape shall be such that the adhesive shall bond securely to both metal surfaces and polyethylene film. Bedding and initial backfill for polyethylene wrapped pipe shall be a well-graded granular material which will not cut or damage the polyethylene tube during placement and backfilling. Sharp angular material over 0.5 inch shall not be used with polyethylene encasement.

12. Pipe Lining

Unless otherwise specified, all interior surfaces of pipe and fittings shall be cement mortar lined in accordance with AWWA C104. Cement shall be ASTM C150, Type II or V, low alkali, containing less than 0.60 percent alkalies.

13. Welded-On Outlets

Welded-on outlets shall be provided where specified. All welded-on outlets shall be rated for a working pressure of 250 psi and shall have a minimum safety factor of 2.0. Welded-on outlets may be provided as a radial (tee) outlet, a tangential outlet, or a lateral outlet. Parent pipe and branch pipe shall meet hydrostatic test requirements in accordance with AWWA C151, section 51-9, prior to fabrication.

All joints on welded-on branch outlets shall be provided in accordance with the latest revision of ANSI/AWWA C111/A21.11 and/or ANSI/AWWA C115/A21.15, as applicable. All outlets shall be fabricated from centrifugally cast ductile iron pipe designed in accordance with ANSI/AWWA C150/A21.50 and manufactured in accordance with ANSI/AWWA C151/A21.51.

All welds must be produced using 55% nickel iron welding rod or wire. Carbon steel electrodes will not be acceptable. Both branch and parent outlet pipe shall be class 53. After fabrication each outlet pipe shall be air tested to 15 psi to insure weld integrity. A soap and water solution shall be applied during the testing procedure to inspect the weld for

leakage. Any welds that show air seepage shall be re-fabricated and retested. Welded-on bosses will not be permitted. All welded-on outlets shall be done at manufacturer's plant.

The type of pipe end for the branch outlet shall be as specified or indicated on the drawings. The maximum size and laying length of the welded-on branch outlet shall be recommended by the pipe manufacturer and acceptable to the Engineer for the field conditions and connecting pipe or valve. Pipe embedment material and trench backfill shall be placed and compacted under and around each side of the outlet to hold the pipe in proper position and alignment during subsequent pipe jointing, embedment, and backfilling operations.

14. Thrust collars shall be welded-on ductile iron body type designed to withstand thrust due to 250 psi internal pressure on a dead end.

15. Acceptance will be on the basis of the Engineer's inspection and the manufacturer's written certification that the pipe was manufactured and tested in accordance with the applicable standards.

2.02 Valves

A. Gate Valves (GV)

1. 4-Inches and larger in Diameter: Gate valves shall be resilient wedge type conforming to the requirements of AWWA C509 or AWWA C515 rated for 250 psi working pressure.

   a. Valves shall be provided with two O-ring stem seals with one O-ring located above and one O-ring below the stem collar. The area between the O-rings shall be filled with lubricant to provide lubrication to the thrust collar bearing surfaces each time the valve is operated. At least one anti-friction washer shall be utilized to further minimize operating torque. All seals between valve parts, such as body and bonnet, bonnet and bonnet cover, shall be flat gaskets or O-rings.

   b. The valve gate shall be made of cast or ductile iron having a vulcanized, synthetic rubber coating, or a seat ring attached to the disc with retaining screws. Sliding of the rubber on the seating surfaces to compress the rubber will not be allowed. The design shall be such that compression-set of the rubber shall not affect the ability of the valve to seal when pressure is applied to either side of the gate. The sealing mechanism shall provide zero leakage at the water working pressure when installed with the line flow in either direction.

   c. All internal ferrous surfaces shall be coated with epoxy to a minimum thickness of 4 mils. The epoxy shall be non-toxic, impart no taste to the water and shall conform to AWWA C550.

   d. Gate valves shall have a 2-inch square operating nut.

   e. Valve ends shall be mechanical joint except where shown otherwise.

f. Manually operated valves shall be non-rising stem type having O-ring seals.

g. Gate valves larger than 4-inches shall be manufactured by American Flow Control, Mueller or M & H Valve.

B. Butterfly Valves

1. Butterfly valves shall be as manufactured by the Henry Pratt Company, or equal.

2. Butterfly valves shall be constructed of the following materials unless otherwise specified:

Component	Material
Shaft	Stainless steel, ASTM A276, Type 304
Disc	ASTM A48, Class 40, or ASTM A126, Class B
Seat mating surface	Stainless steel, ASTM A276, Type 304, mounted in body or on disc edge
Seat sealing surface	EPDM or Buna N
Body	Cast iron, ASTM A126, Class B

3. Valves shall be the stub or through shaft design. Wafer type valves are not acceptable for buried service. Unless otherwise specified, valve flange drilling shall be per ANSI B16.1, Class 125. The stem to disc connection shall be made with pins of the same material as the stainless steel shaft.

4. Valves shall be designed in accordance with AWWA C504 Class 250. Shafts shall be turned, ground and polished. Shaft dimensions and operator torque shall be chosen for the pressure class as specified in AWWA C504. When carbon steel shafts and stainless steel journals are used, static seals shall be provided to isolate the interior of the disc and the shaft from the process fluid.

5. Valves shall have seats that are vulcanized, bonded, mechanically secured, or clamped to the body or disc. For valves, size 30 through 72 inches, valve seats shall be field adjustable and field replaceable. Discs for valves shall be of the flow-through Type with a 360-degree seating design.

6. Manual operators shall be of the traveling nut type with totally enclosed gearing between the valve and the operating wrench nut, meeting all torque and other requirements of Section 3.8.5 of AWWA C504. Operators shall be equipped with adjustable mechanical stop-limiting devices to prevent overtravel of the disc in the open and closed positions and shall be self-locking and designed to hold the valve in any intermediate position between full open and full closed. Valve operator components shall withstand an input torque of 300 ft-lbs at the extreme operator positions without damage.

7. Operator for buried service shall include an AWWA operating nut and shall be gasketed and grease packed for submerged operation at water pressures to 10 psig. Operators for exposed service shall include a handwheel and be gasketed for weatherproof service.

8. Affidavits of compliance with AWWA C504 shall be provided in accordance with Section 01340.

9. Hydrostatic and leakage tests shall be conducted in strict accordance with AWWA C 504, Section 5, except that leakage test will be performed after the operator has been mounted on the valve.

10. All surfaces of the valve shall be clean, dry and free from grease before painting. The interior and exterior valve surfaces except for disc, seating and finished portions shall receive two coats of asphalt varnish in accordance with Federal Specification TT-V-51C.

2.03 Fire Hydrants (FH)

A. All fire hydrants shall conform to the requirements of AWWA C502 for 150 psi working pressure. Hydrants shall be the compression type, closing with line pressure. The valve opening shall not be less than 5-1/4-inches.

B. In the event of a traffic accident, the hydrant barrel shall break away from the standpipe at a point above grade and in a manner which will prevent damage to the barrel and stem, preclude opening of the valve, and permit rapid and inexpensive restoration without digging or cutting off the water.

C. The means for attaching the barrel to the standpipe shall permit facing the hydrant a minimum of eight different directions.

D. Hydrants shall be fully bronze mounted with all working parts of bronze. Valve seat ring shall be bronze and shall screw into a bronze retainer.

E. All working parts, including the seat ring shall be removable through the top without disturbing the barrel of the hydrant.

F. The operating nut shall match those on the existing hydrants. The operating threads shall be totally enclosed in an operating chamber, separated from the hydrant barrel by a rubber O-ring stem seal and lubricated by a grease or an oil reservoir.

G. Hydrant shall be a non-freezing design and be provided with a simple, positive, and automatic drain which shall be fully closed whenever the main valve is opened.

H. Hose and pumper connections shall be breech-locked, pinned, or threaded and pinned to seal them into the hydrant barrel. Each hydrant shall have two 2-1/2-inch hose connections and one 4-1/2-inch pumper connection, all with National Standard threads and each equipped with cap and non-kinking chain.

I. Hydrants shall be furnished with a mechanical joint connection to the spigot of the 6-inch hydrant lead.

J. Minimum depth of bury shall be 4.5 feet. Provide extension section where necessary for proper vertical installation and in accordance with manufacturer's recommendations.

K. All outside surfaces of the barrel above grade shall be painted with enamel equal to Koppers Glamortex 501, silver in color.

L. Hydrants shall be traffic model and shall be Mueller Super Centurion 250/HS.

2.04 Valve Boxes (VB) and Extension Stems

A. All valves shall be equipped with valve boxes. The valve boxes shall be cast iron two-piece screw type with drop covers. Valve boxes shall have a 5.25-inch inside diameter. Valve box covers shall weigh a minimum of 14 pounds. The valve boxes shall be adjustable to 6-inches up or down from the nominal required cover over the pipe. Valve boxes shall be of sufficient length that bottom flange of the lower belled portion of the box is below the valve operating nut. Ductile or cast iron extensions shall be provided as necessary. Covers shall have "WATER VALVE" or "WATER" cast into them. Valve boxes shall be manufactured in the United States.

B. All valves shall be furnished with stainless steel extension stems, as necessary, to bring the operating nut to within 24-inches of the top of the valve box. Connection to the valve shall be with a wrench nut coupling and a set screw to secure the coupling to the valve's operating nut. The coupling and square wrench nut shall be welded to the extension stem. Extension stems shall be equal to Mueller A-26441 or M & H Valve Style 3801.

2.05 Valve Markers (VM)

The Contractor shall provide a concrete valve marker as detailed on the Drawings for each valve installed.

2.06 Tapping Sleeves and Valves (TS&V)

Tapping sleeves shall be cast or ductile iron of the split-sleeve, mechanical joint type. The Contractor shall be responsible for determining the outside diameter of the pipe to be connected to prior to ordering the sleeve. Valves shall be gate valves furnished in accordance with the specifications shown above, with flanged connection to the tapping sleeve and mechanical joint connection to the branch pipe. The tapping sleeve and valve shall be supplied by the valve manufacturer. Tapping sleeves shall be equal to American Flow Control, Mueller or M & H Valve.

2.07 Manholes, Catch Basins, and Precast Concrete Products

A. Provide precast concrete products in accordance with the following:

1. Precast Concrete Sections

a. Precast concrete sections shall meet the requirements of ASTM C 478. The minimum compressive strength of the concrete in precast sections shall be 4,000 psi. The minimum wall thickness shall be one-twelfth of the inside diameter of the base, riser or the largest cone diameter.

b. Transition slabs which convert bases larger than four feet in diameter to four foot diameter risers shall be designed by the precast concrete manufacturer to carry the live and dead loads exerted on the slab.

c. Seal joints between precast sections by means of rubber O-ring gaskets or flexible butyl rubber sealant. Butyl rubber sealants shall meet the requirements of AASHTO M-198. Sealant shall be pre-formed type with a minimum nominal diameter of 1-inch.

d. Butyl rubber sealant shall be equal to Kent Seal No. 2 or Concrete Sealants CS 202.

2. Brick and Mortar: Brick shall be whole and hardburned, conforming to ASTM C 32, Grade MS. Mortar shall be made of one part Portland cement and two parts clean sharp sand. Cement shall be Type 1 and shall conform to ASTM C 150. Sand shall meet ASTM C 144.

3. Iron Castings

a. Cast iron manhole frames, covers and steps shall meet the requirements of ASTM A 48 for Class 30 gray iron and all applicable local standards. All castings shall be tough, close grained, smooth and free from blow holes, blisters, shrinkage, strains, cracks, cold shots and other imperfections. No casting will be accepted which weighs less than 95 percent of the design weight. Shop drawings must indicate the design weight and provide sufficient dimensions to permit checking. All castings shall be thoroughly cleaned in the shop and given two coats of approved bituminous paint before rusting begins.

b. Manhole frames and covers shall be equal to the following:

Type	Design Weight	Manufacturer's Reference	
Bolt Down	400#	Neenah A-1916-F1	Vulcan V-2358

c. All frames and covers shall have machined horizontal bearing surfaces.

4. Plastic Steps: Manhole steps of polypropylene, molded around a steel rod, equal to products of M.A. Industries may be used.

5. Catch Basins

a. Where shown on the Drawings or as required, existing catch basins shall be replaced with a like kind catch basin (inlet). All new and replaced catch basins shall be constructed of reinforced precast concrete, four foot (4') diameter or larger.

b. All catch basins shall be designed and constructed in compliance with Georgia D.O.T. specifications and shall be Georgia DOT 1033D or 1034D standard and shall require a reinforced precast "round to square adapter for additional throat support.

c. In certain cases where rolled or “Hollywood” curb is utilized, the County Engineer (or field Inspector) may require the use of 1033F or 1034F catch basins.

d. Frames, covers and gratings shall be ductile iron designed for heavy-duty traffic services, ASTM A534, Grade 60-40-18, 24-inch clear inside diameter with lettering “Storm Sewer” cast into cover. For structures, more than 5 feet deep, provide steps at 12-inch intervals.

7. Concrete Pipe: When crossing existing sanitary or storm sewer, if it is necessary to remove and replace or replace damaged pipe, as a minimum, replace with reinforced concrete pipe (RCP) conforming to the latest requirements of ASTM C76. Pipe shall be of the class III and shall have circular reinforcement for circular pipe.

2.08 Retainer Glands

A. Retainer glands for ductile iron pipe shall be Megalug Series 1100, as manufactured by EBAA Iron, or Uni-Flange Series 1400, as manufactured by Ford Meter Box Company.

B. Retainer glands shall be provided at all mechanical joints, including fittings, valves, hydrants and other locations as shown on the Drawings.

2.09 Hydrant Tees

Hydrant tees shall be equal to ACIPCO A10180 or U.S. Pipe U-592.

2.10 Anchor Couplings

Lengths and sizes shall be as shown on the Drawings. Anchor couplings shall be equal to ACIPCO A10895 or U.S. Pipe U-591.

2.11 Concrete

Concrete shall have a compressive strength of not less than 3,000 psi, with not less than 5.5 bags of cement per cubic yard and a slump between 3 and 5-inches unless shown or specified otherwise. For job mixed concrete, submit the concrete mix design for approval by the Engineer. Ready-mixed concrete shall be mixed and transported in accordance with ASTM C 94. Reinforcing steel shall conform to the requirements of ASTM A 615, Grade 60.

2.12 Electronic Markers

A. Electronic markers shall be buried with utilities to serve as a locating device. Electronic markers shall be the “Ball” type for a depth up to 4-feet and the “Full Range” type for depths greater than 4-feet. Each marker shall be color coded in accordance with APWA standards and produce an industry specific frequency Each marker shall contain a passive antenna that requires no internal power source. Markers shall be of water resistant polyethylene shells and impervious to minerals, chemicals, and underground temperature extremes. Electronic markers shall be compatible with 3M Dynatel 1420 EMS-iD programmable Marker Locator. Contractor shall supply one Marker Locator for use during installation and shall turn over Locator to County upon project completion. Markers shall be equal to 3M EMS 1423 XR/iD for water service.

B. Have available at all times an electronic pipe locator and a magnetic locator, in good working order, to aid in locating existing pipe lines or other obstructions.

2.13 Air Release and Vacuum Valves

A. Refer to the Valve Schedule in the drawings for valve type, size and location along the project area.

B. Air release valves (ARV) shall have a small venting orifice to vent the accumulation of air and other gases with the line or system under pressure. Size and capacity shall be as specified.

C. Air and vacuum valves (AVV) shall have a large venting orifice to permit the release of air as the line is filling or relieve the vacuum as the line is draining or is under negative pressure. Size and capacity shall be as specified.

D. Combination air valves (CAV) shall have operating features of both the air and vacuum valve and the air release valve. They include both single- and dual-body construction. Size and capacity shall be as specified.

E. Air release and vacuum valves shall be manufactured in compliance with ANSI/AWWA C512 and shall be APCO as manufactured by Valve and Primer Corporation, Crispin as manufactured by Multiplex Manufacturing Company, or equal, modified to provide the specified features and to meet the specified operating conditions.

F. Materials specified below are considered the minimum acceptable for the purposes of durability, strength, and resistance to erosion and corrosion. The Contractor may propose alternative materials for the purpose of providing greater strength or to meet required stress limitations. However, alternative materials must provide at least the same qualities as those specified for the purpose.

Component	Material
Body, cover	Cast iron, ASTM A126, Grade B
Float	Type 316 SS, ASTM A240
Seat	Buna-N or Type 316 SS
Trim	Type 316 SS, ASTM A240

G. Air release valves shall be float operated, compound lever type, except air release valves less than 1-inch may be simple lever type.

H. Air and vacuum valves shall be designed to protect the float from direct contact of the rushing air and water to prevent the float from closing prematurely in the valve. The seat shall be fastened into the valve cover, and shall be easily removed if necessary. The float shall be center or peripheral guided for positive shutoff into the seat.

I. Combination air valves, unless otherwise specified, shall be single-body construction in sizes 1- through 6-inch and dual-body construction in sizes 8-inch and larger. Single-body construction shall be designed to provide all functions

within one housing. The body inlet shall be baffled to protect the float and the large and small orifices shall be designed so that during large orifice closure, the small air release orifice will open to allow small amounts of air to escape. Dual-body construction shall combine one air and vacuum valve and one air release valve with interconnecting piping and gate valve.

J. Valves shall be suitable for pressures up to 250 psi.

K. Air release and vacuum valves shall be installed in accordance with the manufacturer's recommendations. Unless otherwise specified, isolation valves shall be provided below each air valve.

All materials/products that contact potable water must be third party certified as meeting the specifications of ANSI/NSF Standard 61. The certifying party shall be accredited by the ANSI.

Part 3 Execution

3.01 Existing Utilities and Obstructions

A. The Drawings indicate utilities or obstructions that are known to exist according to the best information available to the Owner. The Contractor shall call the Utilities Protection Center (UPC) (404-325-5000 or 1-800-282-7411) as required by Georgia law (Code Section 25-9-1 through 25-9-13) and all utilities, agencies or departments that own and/or operate utilities in the vicinity of the construction work site at least 72 hours (three business days) prior to construction to verify the location of the existing utilities.

B. Existing Utility Location: The following steps shall be exercised to avoid interruption of existing utility service.

1. Provide the required notice to the utility owners and allow them to locate their facilities according to Georgia law. Field utility locations are valid for only 10 days after original notice. The Contractor shall ensure, at the time of any excavation, that a valid utility location exists at the point of excavation.

2. Expose the facility, for a distance of at least 200 feet in advance of pipeline construction, to verify its true location and grade. Repair, or have repaired, any damage to utilities resulting from locating or exposing their true location.

3. Avoid utility damage and interruption by protection with means or methods recommended by the utility owner.

4. Maintain a log identifying when phone calls were made, who was called, area for which utility relocation was requested and work order number issued, if any. The Contractor shall provide the Engineer an updated copy of the log bi-weekly, or more frequently if required.

C. Conflict with Existing Utilities

1. Horizontal Conflict: Horizontal conflict shall be defined as when the actual horizontal separation between a utility, main, or service and the proposed water main does not permit safe installation of the water main

by the use of sheeting, shoring, tieing-back, supporting, or temporarily suspending service of the parallel or crossing facility. The Contractor may change the proposed alignment of the water main to avoid horizontal conflicts if the new alignment remains within the available right-of-way or easement, complies with regulatory agency requirements and after a written request to and subsequent approval by the Engineer. Where such relocation of the water main is denied by the Engineer, the Contractor shall arrange to have the utility, main, or service relocated.

2. Vertical Conflict: Vertical conflict shall be defined as when the actual vertical separation between a utility, main, or service and the proposed water main does not permit the crossing without immediate or potential future damage to the utility, main, service, or the water main. The Contractor may change the proposed grade of the water main to avoid vertical conflicts if the changed grade maintains adequate cover and complies with regulatory agencies requirements after written request to and subsequent approval by the Engineer. Where such relocation of the water main is denied by the Engineer, the Contractor shall arrange to have the utility, main, or service relocated.

D. Electronic Locator: Have available at all times an electronic pipe locator and a magnetic locator, in good working order, to aid in locating existing pipelines or other obstructions.

E. Water and Sewer Separation

1. Water mains should maintain a minimum 10 foot edge-to-edge separation from sewer lines, whether gravity or pressure. If the main cannot be installed in the prescribed easement or right-of-way and provide the 10 foot separation, the separation may be reduced, provided the bottom of the water main is a minimum of 18-inches above the top of the sewer. Should neither of these two separation criteria be possible, the water main shall be installed below the sewer with a minimum vertical separation of 18-inches. Where water mains cross the sewer, or storm drain, the pipe joint adjacent to the pipe crossing the sewer, or storm drain, shall be cut to provide maximum separation of the pipe joints from the sewer, or storm drain.

2. The water main, when installed within 18-inches below the sewer, or storm drain, shall be encased in concrete with a minimum 6-inch concrete depth to the first joint in each direction.

3. No water main shall pass through, or come in contact with, any part of a sanitary sewer manhole.

3.02 Construction Along Highways, Streets and Roadways

A. Install pipe lines and appurtenances along highways, streets and roadways in accordance with the applicable regulations of, and permits issued by, the Georgia Department of Transportation, City, and Fulton County, with reference to construction operations, safety, traffic control, road maintenance and repair.

B. The Contractor shall prepare a Traffic Control Plan and submit the plan to the Engineer at least 14 days prior to on-site work. The Traffic Control Plan shall include all anticipated lane closures, placement of traffic control devices,

barricades, lights, flagmen etc. to clearly show how traffic flow and safety will be maintained throughout the project.

C. Traffic Control

1. The Contractor shall provide, erect and maintain all necessary barricades, suitable and sufficient lights and other traffic control devices; provide qualified flagmen where necessary to direct traffic; take all necessary precautions for the protection of the work and the safety of the public. Flagmen shall be certified by a Georgia DOT approved training program.

2. Construction traffic control devices and their installation shall be in accordance with the current Manual On Uniform Traffic Control Devices for Streets and Highways.

3. Placement and removal of construction traffic control devices shall be coordinated with the City and Fulton County a minimum of 48 hours in advance of the activity.

4. Placement of construction traffic control devices shall be scheduled ahead of associated construction activities. Construction time in street right-of-way shall be conducted to minimize the length of time traffic is disrupted. Construction traffic control devices shall be removed immediately following their useful purpose. Traffic control devices used intermittently, such as “Flagmen Ahead”, shall be removed and replaced when needed.

5. Existing traffic control devices within the construction work zone shall be protected from damage. Traffic control devices requiring temporary relocation shall be located as near as possible to their original vertical and horizontal locations. Original locations shall be measured from reference points and recorded in a log prior to relocation. Temporary locations shall provide the same visibility to affected traffic as the original location. Relocated traffic control devices shall be reinstalled in their original locations as soon as practical following construction.

6. Construction traffic control devices shall be maintained in good repair and shall be clean and visible to affected traffic for daytime and nighttime operation. Traffic control devices affected by the construction work zone shall be inspected daily.

7. Construction warning signs shall be black legend on an orange background. Regulatory signs shall be black legend on a white background. Construction sign panels shall meet the minimum reflective requirements of the Georgia Department of Transportation and Fulton County. Sign panels shall be of durable materials capable of maintaining their color, reflective character and legibility during the period of construction.

8. Channelization devices shall be positioned preceding an obstruction at a taper length as required by the current Manual On Uniform Traffic Control Devices for Streets and Highways, as appropriate for the speed limit at that location. Channelization devices shall be patrolled to insure that they are maintained in the proper position throughout their period of use.

D. Construction Operations

1. Perform all work along highways, streets and roadways to minimize interference with traffic.

2. Stripping: Where the pipe line is laid along road right-of-way, strip and stockpile all sod, topsoil and other material suitable for right-of-way restoration.

3. Trenching, Laying and Backfilling: Do not open the trench any further ahead of pipe laying operations than is necessary. Backfill and remove excess material immediately behind laying operations. Complete excavation and backfill for any portion of the trench in the same day.

4. Shaping: Reshape damaged slopes, side ditches, and ditch lines immediately after completing backfilling operations. Replace topsoil, sod and any other materials removed from shoulders.

E. Excavated Materials: Do not place excavated material along highways, streets and roadways in a manner which obstructs more than one lane of traffic, as approved by the Engineer and the City. Sweep all scattered excavated material off of the pavement at the end of each day.

F. Drainage Structures: Keep all side ditches, culverts, cross drains, and other drainage structures clear of excavated material. Care shall be taken to provide positive drainage to avoid ponding or concentration of runoff.

G. Landscaping Features: Landscaping features shall include, but are not necessarily limited to: fences; property corners; cultivated trees and shrubbery; manmade improvements; subdivision and other signs within the right-of-way and easement. The Contractor shall take extreme care in moving landscape features and promptly re-establishing these features.

H. Maintaining Highways, Streets, Roadways and Driveways

1. Maintain streets, highways, roadways and driveways in suitable condition for movement of traffic until completion and final acceptance of the Work.

2. During the time period between pavement removal and completing permanent pavement replacement, maintain highways, streets and roadways by the use of steel running plates. Running plate edges shall have asphalt placed around their periphery to minimize vehicular impact. The backfill above the pipe shall be compacted as specified elsewhere up to the existing pavement surface to provide support for the steel running plates.

3. Furnish a road grader or front-end loader for maintaining highways, streets, and roadways. The grader or front-end loader shall be available at all times.

4. Immediately repair all driveways that are cut or damaged. Maintain them in a suitable condition for use until completion and final acceptance of the Work.

3.03 Pipe Distribution

A. Pipe shall be distributed and placed in such a manner that will not interfere with traffic.

B. No pipe shall be strung further along the route than 500 feet beyond the area in which the Contractor is actually working without written permission from the Owner. The Owner reserves the right to reduce this distance to a maximum distance of 200 feet in residential and commercial areas based on the effects of the distribution to the adjacent property owners.

C. No street or roadway may be closed for unloading of pipe without first obtaining permission from the proper authorities. The Contractor shall furnish and maintain proper warning signs and obstruction lights for the protection of traffic along highways, streets and roadways upon which pipe is distributed.

D. No distributed pipe shall be placed inside drainage ditches or gutters.

E. Distributed pipe shall be placed as far as possible from the roadway pavement, but no closer than five feet from the roadway pavement, as measured edge-to-edge.

3.04 Location and Grade

A. The Drawings show the alignment of the water main and the location of valves, hydrants and other appurtenances.

B. Construction Staking

1. The base lines for locating the principal components of the work adjacent to the work are shown on the Drawings. Base lines shall be defined as the line to which the location of the water main is referenced, i.e., edge of pavement, road centerline, property line, right-of-way or survey line. The Contractor shall be responsible for performing all survey work required for constructing the water main, including the establishment of base lines and any detail surveys needed for construction. This work shall include the staking out of permanent and temporary easements to insure that the Contractor is not deviating from the designated easements.

2. The level of detail of survey required shall be that which the correct location of the water main can be established for construction and verified by the Engineer. Where the location of components of the water main, e.g. tunnels and fittings, are not dimensioned, the establishment on the location of these components shall be based upon scaling these locations from the Drawings with relation to readily identifiable land marks, e.g., survey reference points, power poles, manholes, etc.

C. Reference Points

1. The Contractor shall take all precautions necessary, which includes, but is not necessarily limited to, installing reference points, in order to protect and preserve the centerline or baseline established by the Engineer.

2. Reference points shall be placed, at or no more than three feet, from the outside of the construction easement or right-of-way. The location of the reference points shall be recorded in a log with a copy provided to the

Engineer for use, prior to verifying reference point locations. Distances between reference points and the pipeline centerlines shall be accurately measured to 0.01 foot.

3. The Contractor shall give the Engineer reasonable notice that reference points are set. The reference point locations must be verified by the Engineer prior to commencing clearing and grubbing operations.

D. After the Contractor locates and marks the water main centerline or baseline, the Contractor shall perform clearing and grubbing.

E. Construction shall begin at a connection location and proceed without interruption. Multiple construction sites shall not be permitted without written authorization from the Engineer for each site.

F. The Contractor shall be responsible for any damage done to reference points, base lines, center lines and temporary bench marks, and shall be responsible for the cost of re-establishment of reference points, base lines, center lines and temporary bench marks as a result of the operations.

G. Construction Verification Survey allowance: The Construction Verification Survey cash allowance is solely for the use of the Engineer for verification of the Contractor's reference points, centerlines and work performed. The presence of this cash allowance in no way relieves the Contractor of the responsibility of installing reference points, centerlines, temporary bench marks, providing as-built drawings, or verifying that the work has been performed accurately.

3.05 Laying and Jointing Pipe and Accessories

A. Lay all pipe and fittings to accurately conform to the lines and grades established by the Engineer.

B. Pipe Installation

1. Proper implements, tools and facilities shall be provided for the safe performance of the Work. All pipe, fittings, valves and hydrants shall be lowered carefully into the trench by means of slings, ropes or other suitable tools or equipment in such a manner as to prevent damage to water main materials and protective coatings and linings. Under no circumstances shall water main materials be dropped or dumped into the trench.

2. All pipe, fittings, valves, hydrants and other appurtenances shall be examined carefully for damage and other defects immediately before installation. Defective materials shall be marked and held for inspection by the Engineer, who may prescribe corrective repairs or reject the materials.

3. All lumps, blisters and excess coating shall be removed from the socket and plain ends of each pipe, and the outside of the plain end and the inside of the bell shall be wiped clean and dry and free from dirt, sand, grit or any foreign materials before the pipe is laid. No pipe containing dirt shall be laid.

4. Foreign material shall be prevented from entering the pipe while it is being placed in the trench. No debris, tools, clothing or other materials shall be placed in the pipe at any time.

5. As each length of pipe is placed in the trench, the joint shall be assembled and the pipe brought to correct line and grade. The pipe shall be secured in place with approved backfill material.

6. It is not mandatory to lay pipe with the bells facing the direction in which work is progressing.

7. Applying pressure to the top of the pipe, such as with a backhoe bucket, to lower the pipe to the proper elevation or grade, shall not be permitted.

C. Alignment and Gradient

1. Lay pipe straight in alignment and gradient or follow true curves as nearly as practicable. Do not deflect any joint more than 4-degrees or the maximum deflection recommended by the manufacturer, whichever is less.

2. Maintain a transit, level and accessories on the job to lay out angles and ensure that deflection allowances are not exceeded.

D. Expediting of Work: Excavate, lay the pipe, and backfill as closely together as possible. Do not leave unjointed pipe in the trench overnight. Backfill and compact the trench as soon as possible after laying and jointing is completed. Cover the exposed end of the installed pipe each day at the close of work and at all other times when work is not in progress. If necessary to backfill over the end of an uncompleted pipe or accessory, close the end with a suitable plug, either push-on, mechanical joint, restrained joint or as approved by the Engineer.

E. Joint Assembly

1. Push-on, mechanical, flange and restrained type joints shall be assembled in accordance with the manufacturer's recommendations.

2. The Contractor shall inspect each pipe joint within 1,000 feet on either side of main line valves to insure 100 percent seating of the pipe spigot, except as noted otherwise.

3. Each restrained joint shall be inspected by the Contractor to ensure that it has been “homed” 100 percent.

F. Cutting Pipe: Cut ductile iron pipe using an abrasive wheel saw. The Contractor shall cut the pipe and bevel the end, as necessary, to provide the correct length of pipe necessary for installing the fittings, valves, accessories and closure pieces in the correct location. Only push-on and mechanical joint pipes shall be cut.

G. Valve and Fitting Installation

1. Prior to installation, valves shall be inspected for direction of opening, number of turns to open, freedom of operation, tightness of pressure-containing bolting and test plugs, cleanliness of valve ports and especially seating surfaces, handling damage and cracks. Defective

valves shall be corrected or held for inspection by the Engineer. Valves shall be closed before being installed.

2. Valves, fittings, plugs and caps shall be set and joined to the pipe in the manner specified in this Section for cleaning, laying and joining pipe, except that 12-inch and larger valves shall be provided with special support, such as treated timbers, crushed stone, concrete pads or a sufficiently tamped trench bottom so that the pipe will not be required to support the weight of the valve. Valves shall be installed in the closed position.

3. A valve box shall be provided on each underground valve. They shall be carefully set, centered exactly over the operating nut and truly plumbed. The valve box shall not transmit shock or stress to the valve. The bottom flange of the lower belled portion of the box shall be placed below the valve operating nut. This flange shall be set on brick, so arranged that the weight of the valve box and superimposed loads will bear on the base and not on the valve or pipe. Extension stems shall be installed where depth of bury places the operating nut in excess of 48-inches beneath finished grade so as to set the top of the operating nut 24-inches below finished grade. The valve box cover shall be flush with the surface of the finished area or such other level as directed by the Engineer.

4. In no case shall valves be used to bring misaligned pipe into alignment during installation. Pipe shall be supported in such a manner as to prevent stress on the valve.

5. A valve marker shall be provided for each underground valve. Unless otherwise detailed on the Drawings or directed by the Engineer, valve markers shall be installed 6-inches inside the right-of-way or easement.

6. If a valve is located in the street and there is a curb, then a “V” mark shall be saw cut in the curb, in line with the valve location.

H. Hydrant Installation

1. Prior to installation, inspect all hydrants for direction of opening, nozzle threading, operating nut and cap nut dimensions, tightness of pressure-containing bolting, cleanliness of inlet elbow, handling damage and cracks. Defective hydrants shall be corrected or held for inspection by the Engineer.

2. All hydrants shall stand plumb and shall have their nozzles parallel with or at right angles to the roadway, with pumper nozzle facing the roadway, except that hydrants having two-hose nozzles 90 degrees apart shall be set with each nozzle facing the roadway at an angle of 45 degrees.

3. Hydrants shall be set to the established grade, with the centerline of the lowest nozzle at least 12-inches above the ground or as directed by the Engineer.

4. Each hydrant shall be connected to the main with a 6-inch branch controlled by an independent 6-inch valve. When a hydrant is set in soil that is pervious, drainage shall be provided at the base of the hydrant by

placing coarse gravel or crushed stone mixed with coarse sand from the bottom of the trench to at least 6-inches above the drain port opening in the hydrant to a distance of 12-inches around the elbow.

5. When a hydrant is set in clay or other impervious soil, a 7 cubic yard drainage pit shall be excavated below each hydrant and filled with coarse gravel or crushed stone mixed with coarse sand under and around the elbow of the hydrant and to a level of 6-inches above the drain port.

6. Hydrants shall be located as shown on the Drawings or as directed by the Engineer. As all of the hydrants are intended to fail at the ground-line joint upon vehicle impact, specific care must be taken to provide adequate soil resistance to avoid transmitting shock moment to the lower barrel and inlet connection. Pour a concrete collar approximately 6-inches thick to a diameter of 24-inches at or near the ground line around the hydrant barrel as shown on the Drawings.

I. Polyethylene Encasement: Installation shall be in accordance with AWWA C105 and the manufacturer's instructions. All ends shall be securely closed with tape and all damaged areas shall be completely repaired to the satisfaction of the Engineer.

J. Electronic Markers

1. Electronic markers shall be buried with utilities to serve as a locating device. Electronic markers shall be the "Ball" type for a depth up to 4-feet and the "Full Range" type for depths greater than 4-feet. Each marker shall be color coded in accordance with APWA standards and produce an industry specific frequency. Each marker shall contain a passive antenna that requires no internal power source.

2. Electronic markers will be provided for all water mains. Electronic markers shall be installed every 100 linear feet and as needed to establish a change in direction.

3.06 Connections to Water Mains

A. All connections shall be scheduled with the Engineer and Owner at least 48-hours in advance so as to permit supervision by the Owner.

B. Make connections to existing pipe lines with tapping sleeves and valves, unless specifically shown otherwise on the Drawings.

C. Location: Before laying pipe, locate the points of connection to existing water mains and uncover as necessary for the Engineer to confirm the nature of the connection to be made.

D. Interruption of Services: Make connections to existing water mains only when system operations permit. Operate existing valves only with the specific authorization and direct supervision of the Owner.

E. Tapping Saddles and Tapping Sleeves

1. Holes in the new pipe shall be machine cut, either in the field or at the factory. No torch cutting of holes shall be permitted.

2. Prior to attaching the saddle or sleeve, the pipe shall be thoroughly cleaned, utilizing a brush and rag, as required.

3. Before performing field machine cut, the watertightness of the saddle or sleeve assembly shall be pressure tested. The interior of the assembly shall be filled with water. An air compressor shall be attached, which will induce a test pressure as specified in this Section. No leakage shall be permitted for a period of five minutes.

4. After attaching the saddle or sleeve to an existing main, but prior to making the tap, the interior of the assembly shall be disinfected. All surfaces to be exposed to potable water shall be swabbed or sprayed with a one percent sodium hypochlorite solution.

F. Connections Using Solid Sleeves: Where connections are shown on the Drawings using solid sleeves, the Contractor shall furnish materials and labor necessary to make the connection to the existing pipe line.

G. Connections Using Couplings: Where connections are shown on the Drawings using couplings, the Contractor shall furnish materials and labor necessary to make the connection to the existing pipe line, including all necessary cutting, plugging and backfill.

3.07 Thrust Restraint

A. Provide restraint at all points where hydraulic thrust may develop.

B. Retainer Glands: Provide retainer glands where shown on the Drawings and on all mechanical joints and all associated fittings, valves and related piping. Retainer glands shall be installed in accordance with the manufacturer's recommendations, particularly, the required torque of the set screws. The Contractor shall furnish a torque wrench to verify the torque on all set screws which do not have inherent torque indicators.

C. Hydrants: Hydrants shall be attached to the water main by the following method:

1. The isolation valve shall be attached to the main by connecting the valve to the hydrant tee.

2. The isolation valve shall be attached to the hydrant by providing an anchor coupling between the valve and hydrant, if the hydrant and valve are less than two feet apart. Otherwise, provide ductile iron pipe with retainer glands on the hydrant and valve.

D. Thrust Collars: Collars shall be constructed as shown on the Drawings. Concrete and reinforcing steel shall meet the requirements as specified in this Section. The welded-on collar shall be designed to meet the minimum test pressure specified herein. The welded-on collar shall be attached to the pipe by the pipe manufacturer.

E. Concrete Blocking

1. Provide concrete blocking for all bends, tees, valves, and other points where thrust may develop, except where other exclusive means of thrust restraint are specifically shown on the Drawings.

2. Concrete shall be as specified in this Section.

3. Form and pour concrete blocking at fittings as shown on the Drawings and as directed by the Engineer. Pour blocking against undisturbed earth. Increase dimensions when required by over excavation.

3.08 Inspection and Testing

A. Pressure and Leakage Test

1. All sections of the water main subject to internal pressure shall be pressure tested in accordance with AWWA C600. A section of main will be considered ready for testing after completion of all thrust restraint and backfilling.

2. Each segment of water main between main valves shall be tested individually.

3. Test Preparation

   a. For water mains less than 24-inches in diameter, flush sections thoroughly at flow velocities, greater than 2.5 feet per second, adequate to remove debris from pipe and valve seats. Partially open valves to allow the water to flush the valve seat.

   b. Partially operate valves and hydrants to clean out seats.

   c. Provide temporary blocking, bulkheads, flanges and plugs as necessary, to assure all new pipe, valves, and appurtenances will be pressure tested.

   d. Before applying test pressure, air shall be completely expelled from the pipeline and all appurtenances. Insert corporation cocks at highpoints to expel air as main is filled with water as necessary to supplement automatic air valves. Corporation stops shall be constructed as detailed on the Drawings with a meter box.

   e. Fill pipeline slowly with water. Provide a suitable pump with an accurate water meter to pump the line to the specified pressure.

   f. The differential pressure across a valve or hydrant shall equal the maximum possible, but not exceed the rated working pressure. Where necessary, provide temporary backpressure to meet the differential pressure restrictions.

   g. Valves shall not be operated in either the opening or closing direction at differential pressures above the rated pressure.

4. Test Pressure: Test the pipeline at 250 psi measured at the lowest point for at least two hours. Maintain the test pressure within 5 psi of the specified test pressure for the test duration. Should the pressure drop more than 5 psi at any time during the test period, the pressure shall be restored to the specified test pressure. Provide an accurate pressure gage with graduation not greater than 5 psi.

5. Leakage

a. Leakage shall be defined as the sum of the quantity of water that must be pumped into the test section, to maintain pressure within 5 psi of the specified test pressure for the test duration plus water required to return line to test pressure at the end of the test. Leakage shall be the total cumulative amount measured on a water meter.

b. The Owner assumes no responsibility for leakage occurring through existing valves.

6. Test Results: No test section shall be accepted if the leakage exceeds the limits determined by the following formula:

$$L = \frac{SD\,(P)1/2}{133{,}200}$$

Where: L = allowable leakage, in gallons per hour
S = length of pipe tested, in feet
D = nominal diameter of the pipe, in inches
P = average test pressure during the leakage test, in pounds per square inch (gauge)
As determined under Section 4 of AWWA C600.

If the water main section being tested contains lengths of various pipe diameters, the allowable leakage shall be the sum of the computed leakage for each diameter. The leakage test shall be repeated until the test section is accepted. All visible leaks shall be repaired regardless of leakage test results.

7. Completion: After a pipeline section has been accepted, relieve test pressure. Record type, size and location of all outlets on record drawings.

3.09 Disinfecting Pipeline

A. After successfully pressure testing each pipeline section, disinfect in accordance with AWWA C651 for the continuous-feed method and these Specifications.

B. Specialty Contractor: Disinfection shall be performed by an approved specialty contractor. Before disinfection is performed, the Contractor shall submit a written procedure for approval before being permitted to proceed with the disinfection. This plan shall also include the steps to be taken for the neutralization of the chlorinated water.

C. Chlorination

1. Apply chlorine solution to achieve a concentration of at least 25 milligrams per liter free chlorine in new line. Retain chlorinated water for 24 hours.

2. Chlorine concentration shall be recorded at every outlet along the line at the beginning and end of the 24 hour period.

3. After 24 hours, all samples of water shall contain at least 10 milligrams per liter free chlorine. Re-chlorinate if required results are not obtained on all samples.

D. Disposal of Chlorinated Water: Reduce chlorine residual of disinfection water to less than one milligram per liter if discharged directly to a body of water or to less than two milligrams per liter if discharged onto the ground prior to disposal. Treat water with sulfur dioxide or other reducing chemicals to neutralize chlorine residual. Flush all lines until residual is equal to existing system.

E. Bacteriological Testing: After final flushing and before the water main is placed in service, the Contractor shall collect samples from the line and have tested for bacteriological quality in accordance with the rules of the Georgia Department of Natural Resources, Environmental Protection Division. Testing shall be performed by a laboratory certified by the State of Georgia. Re-chlorinate lines until required results are obtained.

3.10 Protection and Restoration of Work Area

A. General: Return all items and all areas disturbed, directly or indirectly by work under these Specifications, to their original condition or better, as quickly as possible after work is started.

1. The Contractor shall plan, coordinate, and prosecute the work such that disruption to personal property and business is held to a practical minimum.

2. All construction areas abutting lawns and yards of residential or commercial property shall be restored promptly. Backfilling of underground facilities, ditches, and disturbed areas shall be accomplished on a daily basis as work is completed. Finishing, dressing, and grassing shall be accomplished immediately thereafter, as a continuous operation within each area being constructed and with emphasis placed on completing each individual yard or business frontage. Care shall be taken to provide positive drainage to avoid ponding or concentration of runoff.

3. Handwork, including raking and smoothing, shall be required to ensure that the removal of roots, sticks, rocks, and other debris is removed in order to provide a neat and pleasing appearance.

4. The Department of Transportation's engineer shall be authorized to stop all work by the Contractor when restoration and cleanup are unsatisfactory and to require appropriate remedial measures.

B. Man-Made Improvements: Protect, or remove and replace with the Engineer's approval, all fences, walkways, mail boxes, pipe lines, drain culverts, power and telephone lines and cables, property pins and other improvements that may be encountered in the Work.

C. Cultivated Growth: Do not disturb cultivated trees or shrubbery unless approved by the Engineer. Any such trees or shrubbery which must be removed shall be heeled in and replanted under the direction of an experienced nurseryman.

D. Cutting of Trees: Do not cut trees for the performance of the work except as absolutely necessary. Protect trees that remain in the vicinity of the work from damage from equipment. Do not store spoil from excavation against the trunks. Remove excavated material stored over the root system of trees within 30 days to allow proper natural watering of the root system. Repair any damaged tree

over 3-inches in diameter, not to be removed, under the direction of an experienced nurseryman. All trees and brush that require removal shall be promptly and completely removed from the work area and disposed of by the Contractor. No stumps, wood piles, or trash piles will be permitted on the work site.

E. Disposal of Rubbish: Dispose of all materials cleared and grubbed during the construction of the Project in accordance with the applicable codes and rules of the appropriate county, state and federal regulatory agencies.

3.11 Abandoning Existing Water Mains

A. General: Abandon in place all existing water main segments indicated on the Drawings to be abandoned. Perform abandonment after the new water main has been placed in service and all water main services have been changed over to the new main.

B. Capping and Plugging: Disconnect by sawing or cutting and removing a segment of existing pipe where cutting and capping or plugging is shown on the Drawings or directed by the Engineer. Provide a watertight pipe cap or plug and concrete blocking for restraint to seal off existing mains indicated to remain in service. Seal ends of existing mains to be abandoned with a pipe cap or plug or with a masonry plug and minimum 6-inch cover of concrete on all sides around the end of the pipe. The Contractor shall be responsible for uncovering and verifying the size and material of the existing main to be capped or plugged.

C. Salvaging Materials: Salvage for the Owner existing fire hydrants, valve boxes, valve markers and other materials as indicated on the Drawings or located on water mains abandoned and deliver salvaged items in good condition to the Owner's storage yard. Coordinate delivery and placement of salvaged materials in advance with the Owner, information below.

Attn: Mr. Thomas Czeczil
Department of Public Works
North Fulton Water System
11575-A Maxwell Road
Alpharetta, GA 30004
(770) 360-8853

END OF SECTION

Part 1 General

1.01 Scope

A. This Section includes testing which the Owner may require, beyond that testing required of the manufacturer, to determine if materials provided for the Project meet the requirements of these Specifications.

B. This work also includes all testing required by the Owner to verify work performed by the Contractor is in accordance with the requirements of these Specifications, i.e., concrete strength and slump testing, soil compaction, etc.

C. This work does not include materials testing required in various sections of these Specifications to be performed by the manufacturer, e.g., testing of pipe.

D. The testing laboratory or laboratories will be selected by the Owner. The testing laboratory or laboratories will work for the Owner.

1.02 Payment for Testing Services

A. The cost of testing services required by the Contract to be provided by the Contractor shall be paid for by the Owner through the CASH ALLOWANCE, i.e., concrete testing, soil compaction, and asphalt testing.

B. The cost of additional testing services not specifically required in the Specifications, but requested by the Owner or Engineer, shall be paid for by the Owner through the CASH ALLOWANCE.

C. The cost of material testing described in various sections of these Specifications or as required in referenced standards to be provided by a material manufacturer, shall be included in the price bid for that item and shall not be paid for by the Owner.

D. The cost of retesting any item that fails to meet the requirements of these Specifications shall be paid for by the Contractor. Retesting shall be performed by the testing laboratory working for the Owner.

1.03 Laboratory Duties

A. Cooperate with the Owner, Engineer and Contractor.

B. Provide qualified personnel promptly on notice.

C. Perform specified inspections, sampling and testing of materials.

1. Comply with specified standards, ASTM, other recognized authorities, and as specified.

2. Ascertain compliance with requirements of the Contract Documents.

D. Promptly notify the Engineer and Contractor of irregularity or deficiency of work which are observed during performance of services.

E. Promptly submit three copies (two copies to the Engineer and one copy to the Contractor) of report of inspections and tests in addition to those additional copies required by the Contractor with the following information included:

1. Date issued
2. Project title and number
3. Testing laboratory name and address
4. Name and signature of inspector
5. Date of inspection or sampling
6. Record of temperature and weather
7. Date of test
8. Identification of product and Specification section
9. Location of Project
10. Type of inspection or test
11. Results of test
12. Observations regarding compliance with the Contract Documents

F. Perform additional services as required.

G. The laboratory is not authorized to release, revoke, alter or enlarge on requirements of the Contract Documents, or approve or accept any portion of the Work.

1.04 Contractor Responsibilities

A. Cooperate with laboratory personnel, provide access to Work and/or manufacturer's requirements.

B. Provide to the laboratory, representative samples, in required quantities, of materials to be tested.

C. Furnish copies of mill test reports.

D. Furnish required labor and facilities to:

1. Provide access to Work to be tested;
2. Obtain and handle samples at the site;
3. Facilitate inspections and tests;
4. Build or furnish a holding box for concrete cylinders or other samples as required by the laboratory.

E. Notify the laboratory sufficiently in advance of operation to allow for the assignment of personnel and schedules of tests.

F. Laboratory Tests: Where such inspection and testing are to be conducted by an independent laboratory agency, the sample(s) shall be selected by such laboratory or agency, or the Engineer, and shipped to the laboratory by the Contractor at Contractor's expense.

G. Copies of all correspondence between the Contractor and testing agencies shall be provided to the Engineer.

1.05 Quality Assurance

Testing shall be in accordance with all pertinent codes and regulations and with procedures and requirements of the American Society for Testing and Materials (ASTM).

1.06 Product Handling

Promptly process and distribute all required copies of test reports and related instructions to insure all necessary retesting or replacement of materials with the least possible delay in the progress of the Work.

1.07 Furnishing Materials

The Contractor shall be responsible for furnishing all materials necessary for testing.

1.08 Code Compliance Testing

Inspections and tests required by codes or ordinances or by a plan approval authority, and made by a legally constituted authority, shall be the responsibility of, and shall be paid for by the Contractor, unless otherwise provided in the Contract Documents.

1.09 Contractor's Convenience Testing

Inspection or testing performed exclusively for the Contractor's convenience shall be the sole responsibility of the Contractor.

1.10 Schedules for Testing

A. Establishing Schedule

1. The Contractor shall, by advance discussion with the testing laboratory selected by the Owner, determine the time required for the laboratory to perform its tests and to issue each of its findings, and make all arrangements for the testing laboratory to be on site to provide the required testing.

2. Provide all required time within the construction schedule.

B. When changes of construction schedule are necessary during construction, coordinate all such changes of schedule with the testing laboratory as required.

C. When the testing laboratory is ready to test according to the determined schedule, but is prevented from testing or taking specimens due to

incompleteness of the Work, all extra costs for testing attributable to the delay will be back charged to the Contractor and shall not be borne by the Owner.

1.11 Taking Specimens

Unless otherwise provided in the Contract Documents, all specimens and samples for tests will be taken by the testing laboratory or the Engineer.

1.12 Transporting Samples

The Contractor shall be responsible for transporting all samples, except those taken by testing laboratory personnel, to the testing laboratory.

END OF SECTION

Part 1 General

1.01 Scope

A. The work covered by this Section includes furnishing all materials and equipment, providing all required labor and installing water meters, water service connections and all appurtenant work according to these Specifications and/or to the Water Connection Detail as shown schematically on the Drawings.

B. Water meters are not to be furnished nor installed. However, the water meter connection must be compatible with the water meters currently used by the Fulton County.

C. No galvanized pipe or fittings shall be used on water services.

1.02 Locations

Locations shall be as close to the existing location or as directed by the Engineer along the route of the water mains.

1.03 Service Compatibility

It is the intent of these Specifications that the water service connections shall duplicate those presently being provided by the Fulton County in order to be compatible with their service maintenance procedures.

1.04 Quality Control

All materials installed under this Section shall have the approval of the NSF for water services.

Part 2 Products

2.01 Materials and Construction

A. Service Line

1. Copper Tubing: Tubing shall be ASTM B 88, Type K, rolled type. Fittings shall be brass with flare connection inlets and outlets, ANSI B16.26. Where required, adapters shall be brass. Unions shall be cast bronze. Joints shall be flare type. All fittings shall be of bronze construction with flare type connections. Individual residential service lines shall be 1-inch copper tubing.

B. Valves and Accessories

1. Ball valves shall be full port bronze, heavy duty type. Valve ends shall be threaded. Valves shall have a minimum 200 psi working pressure for water. Valves shall have stainless steel nut and handle. Valves shall be made in the U.S.A.

2. Corporation Cocks

a. Corporation cocks shall be ground key type, shall be made of bronze conforming to ASTM B61 or B62 and shall be suitable for the working pressure of the system. Ends shall be suitable for flare type joint. Coupling nut for connection to flared copper tubing shall conform to ANSI B16.26.

b. Corporation cocks shall be equal to Ford FB-600-4.

Part 3 Execution

3.01 General

A. Immediately following completion of the water main system, the Contractor shall install water taps and meter boxes as required. All taps shall remain exposed at the main until the system has been successfully inspected, disinfected and tested for pressure.

B. Installation shall conform to the details for water service connections appearing schematically on the Drawings. Contractor shall provide any and all appurtenant work required to provide the intended water service connections.

C. The Contractor shall be prepared to make emergency repairs to the water system, if necessary, due to damage by others working in the area. In conjunction with this requirement, the Contractor shall furnish and have available at all times, a tapping machine, for the purpose of making temporary water service taps or emergency repairs to damaged water services. The Contractor shall furnish the County a phone number of an individual with the authority to initiate emergency repair work. This number must be provided prior to starting work on the Project.

3.02 Tapping Main

A. All services connected to water main shall be through a 1-inch direct tap, regardless of service and meter size.

B. The water main shall be tapped with a tapping machine specifically designed for that purpose. The tap shall be a direct tap into the water main through a 1-inch brass corporation cock. All taps shall be supervised by the Fulton County engineer. All taps shall be made on the water main at a position so as not to be the top side of the pipe nor the bottom of the pipe. Distance between taps must be a minimum of 12-inches apart.

3.03 Relocation of Service Lines

A. Existing service lines shall be field located by the Contractor. The Contractor shall be responsible for locating existing water meters and determining the existing size service line to reconnect the meters to the new water mains. All service lines installed under existing pavement, including streets, driveways and sidewalks, shall be installed by free boring. If deemed necessary and directed by the Engineer, the Contractor may be required to relocate the existing meters and meter boxes. Relocated meters and meter boxes shall conform to installation requirements for new meters as shown on the Drawings.

B. Copper tubing (Type K) between tap and water meter shall be one continuous length of pipe with no intermediate joints or connections. The service line shall be placed without sharp turns or bends from the water main to the meter box.

3.04 Transfer of Service

A. Immediately before connecting to the relocated or existing meter, all service lines shall be flushed to remove any foreign matter. Any special fittings required to reconnect the existing meter to the new copper service line, or the existing private service line, shall be provided by the Contractor. To minimize out of service time, the Contractor shall determine the connections to be made and have all the required pipe and fittings on hand before shutting off the existing service. After completing the connection, the new corporation stop shall be opened and all visible leaks shall be repaired.

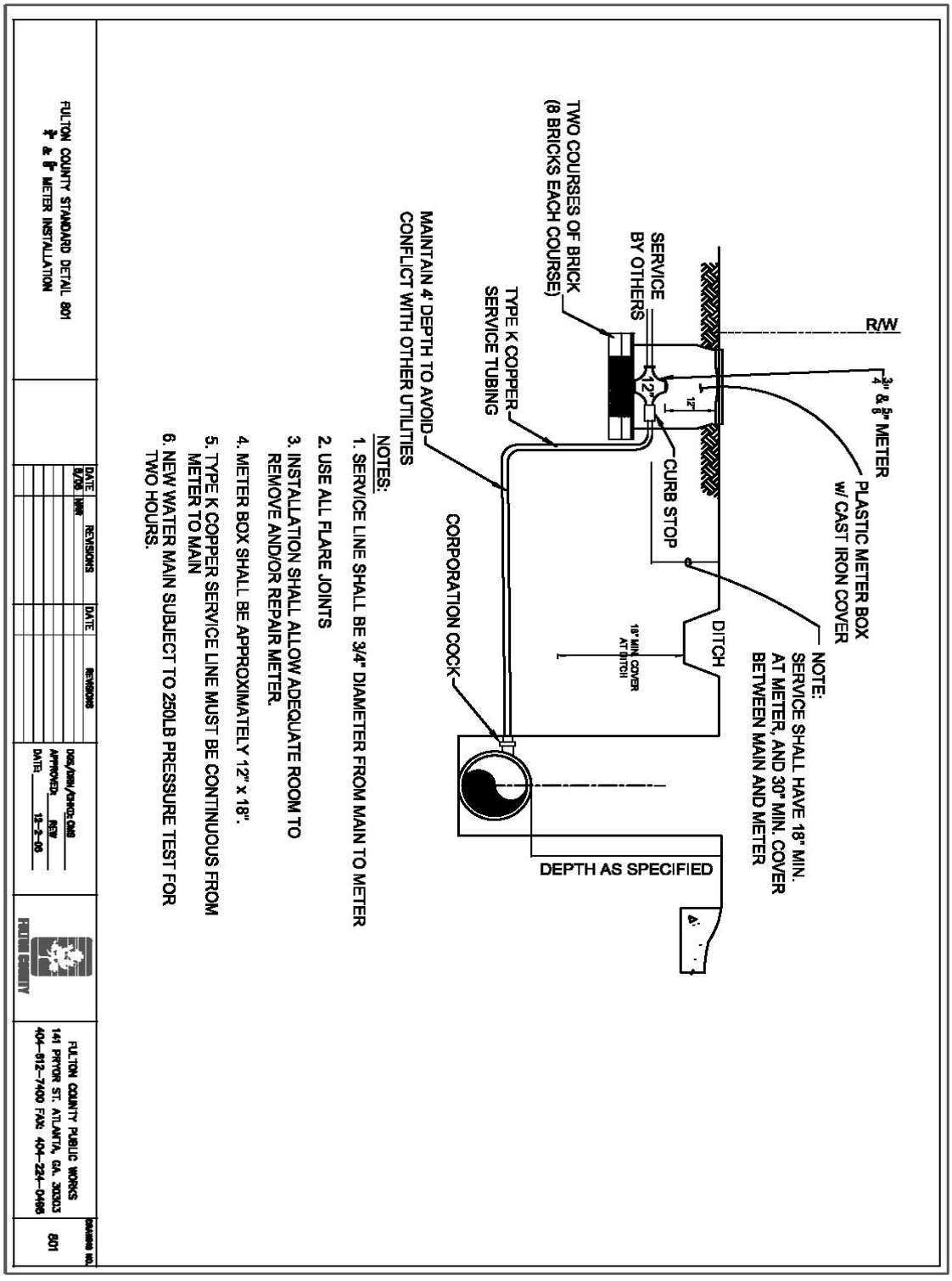
3.05 Maintenance and Repairs

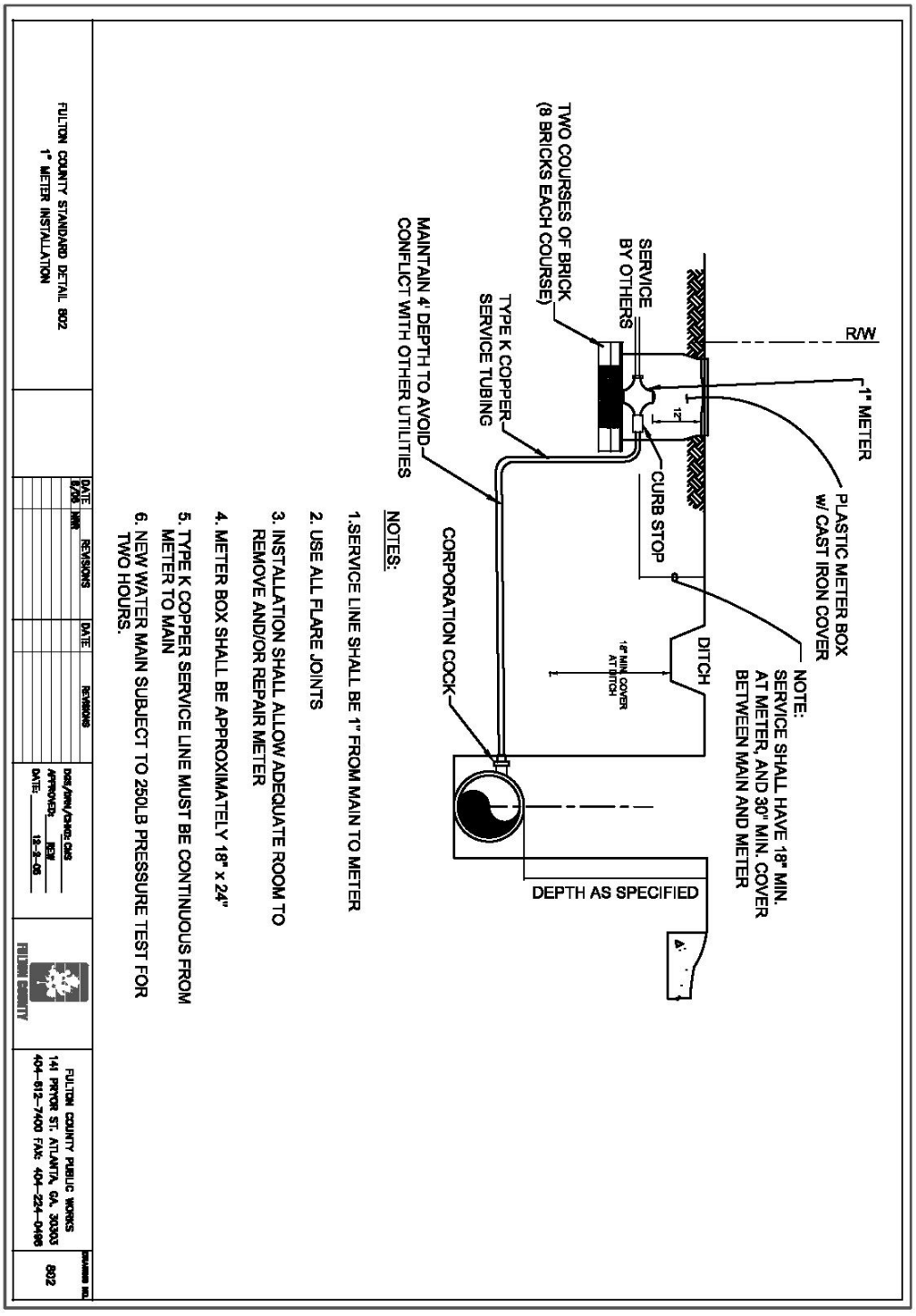
A. The tap, service line and meter box shall remain under the Contractor's maintenance responsibility for the same warranty period as the water main. The contractor shall promptly repair any damage to the water system during the warranty period.

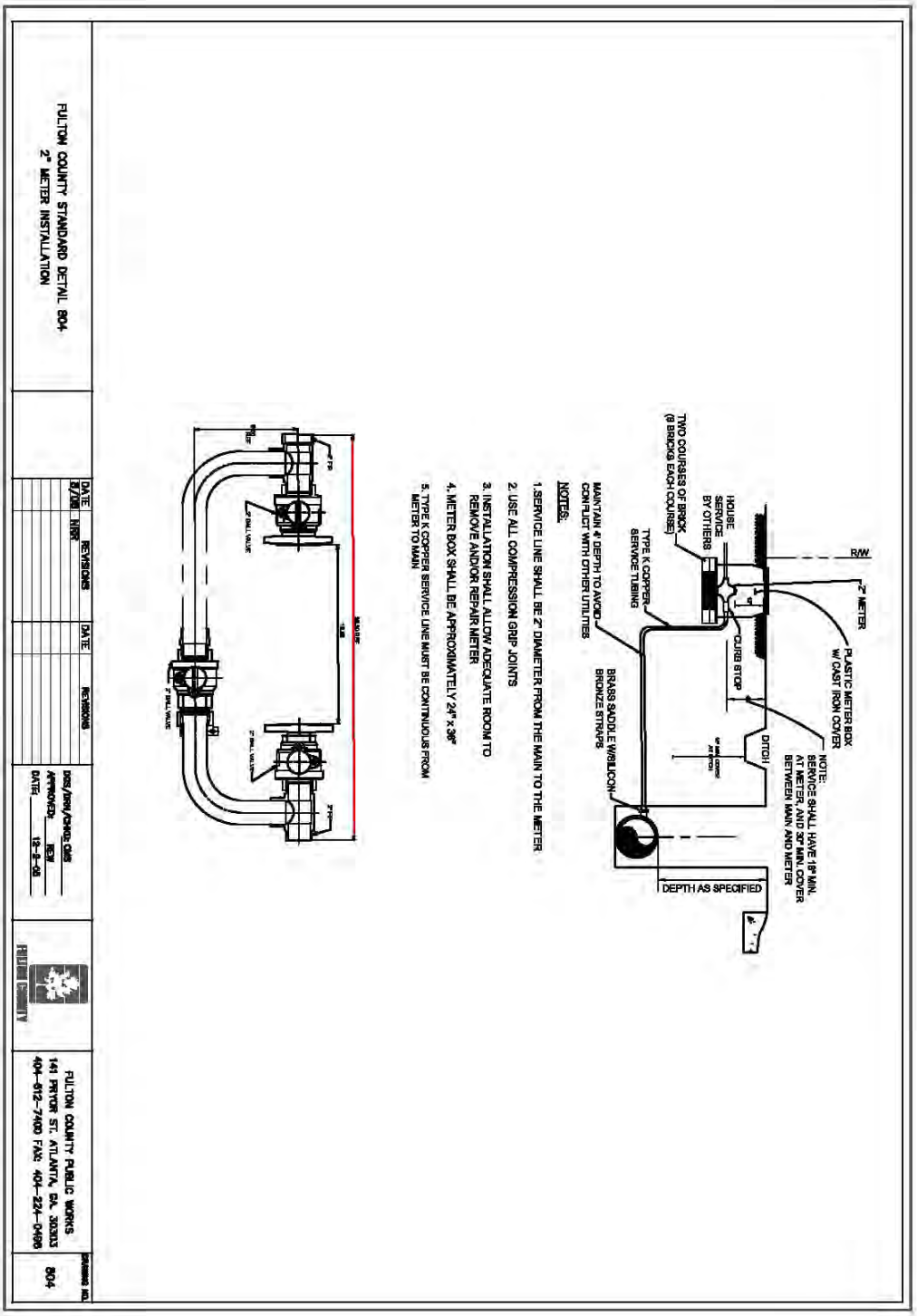
END OF SECTION

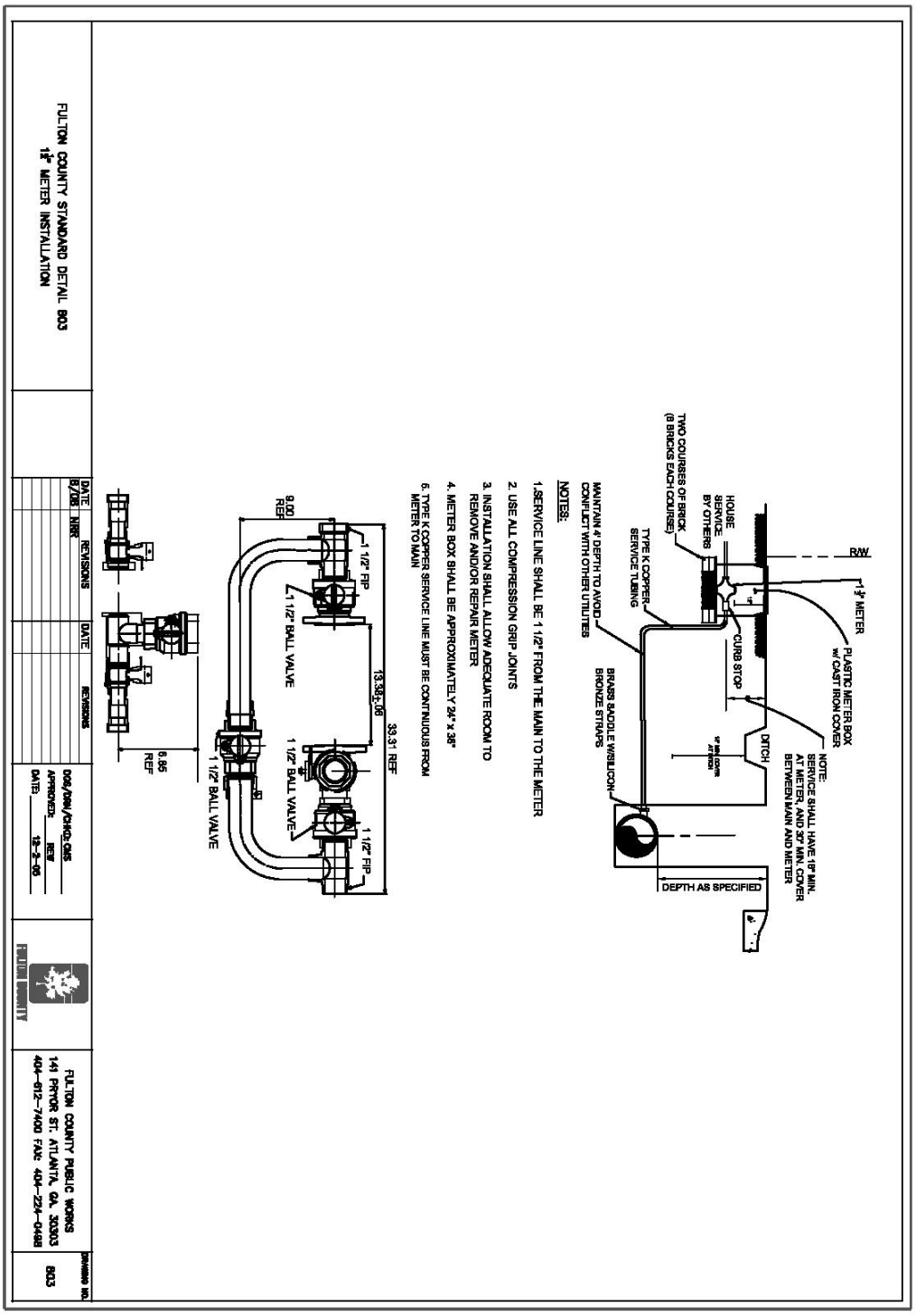
APPENDIX A

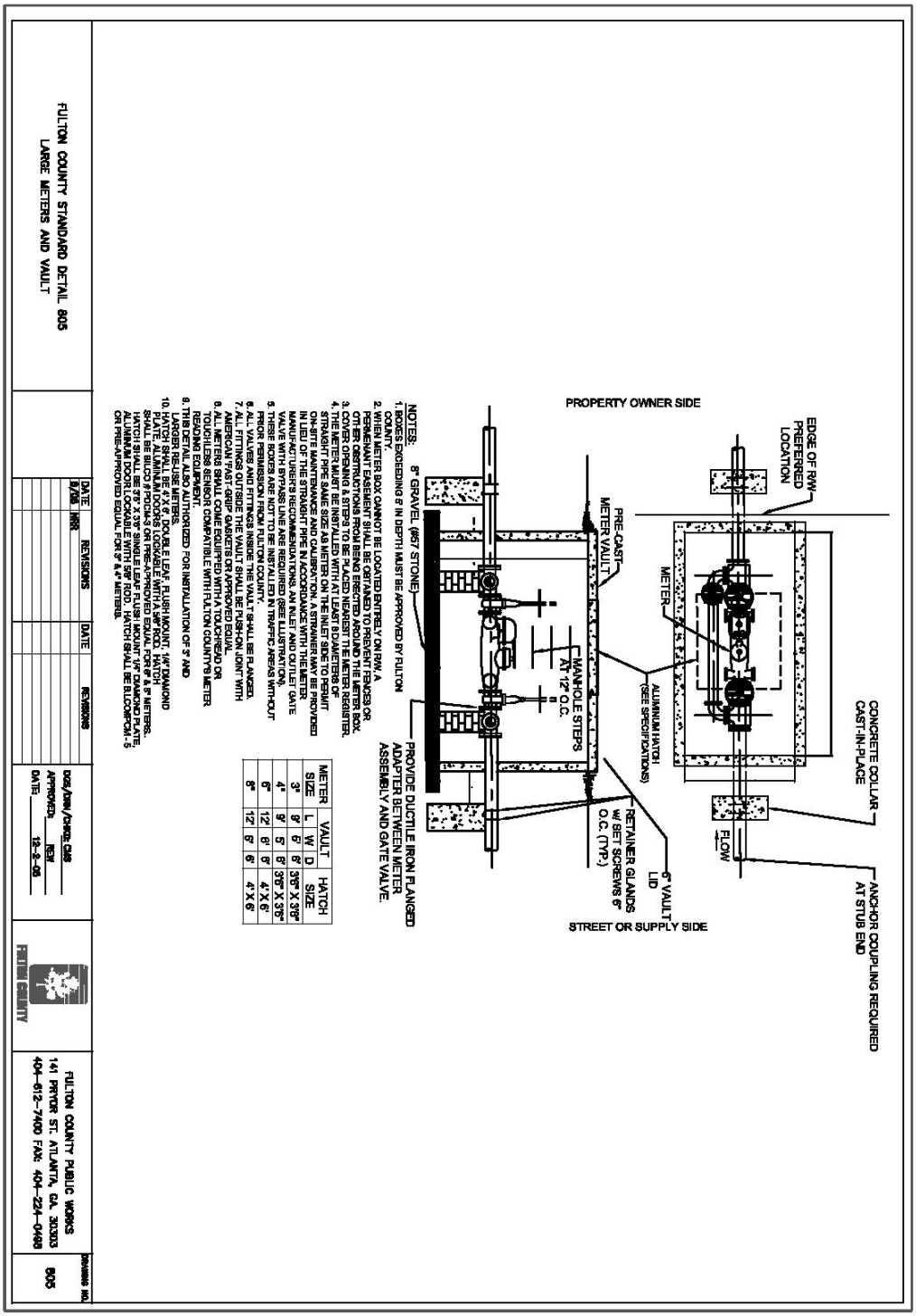
Fulton County Standard Details

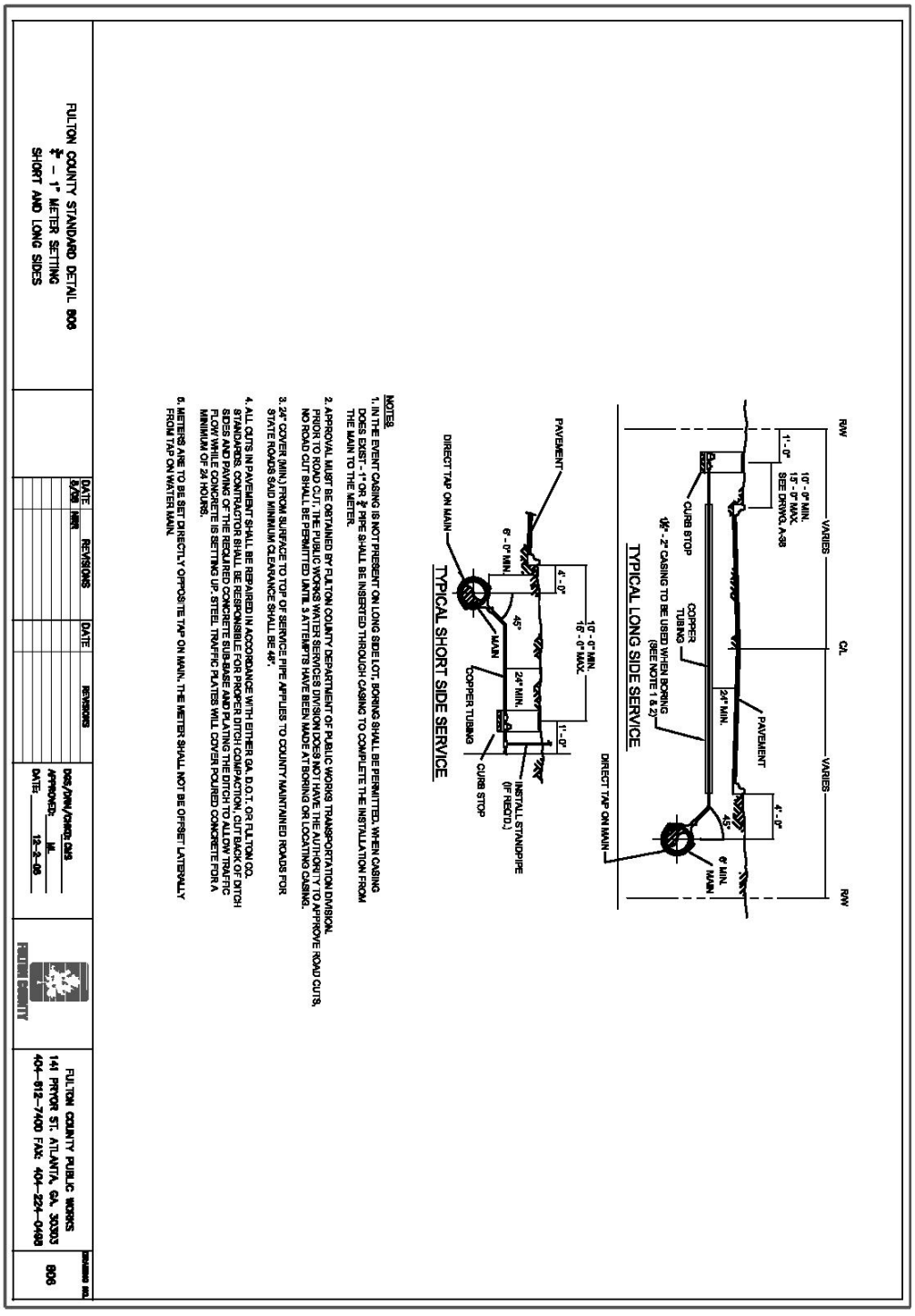

R/W
3/4" & 5/8" METER
PLASTIC METER BOX w/ CAST IRON COVER
NOTE: SERVICE SHALL HAVE 18" MIN. AT METER, AND 30" MIN. COVER BETWEEN MAIN AND METER
SERVICE BY OTHERS
TWO COURSES OF BRICK (8 BRICKS EACH COURSE)
TYPE K COPPER SERVICE TUBING
MAINTAIN 4' DEPTH TO AVOID CONFLICT WITH OTHER UTILITIES
12"
12"
CURB STOP
DITCH
18" MIN. COVER AT DITCH
CORPORATION COCK
DEPTH AS SPECIFIED
NOTES:
1. SERVICE LINE SHALL BE 3/4" DIAMETER FROM MAIN TO METER
2. USE ALL FLARE JOINTS
3. INSTALLATION SHALL ALLOW ADEQUATE ROOM TO REMOVE AND/OR REPAIR METER.
4. METER BOX SHALL BE APPROXIMATELY 12" x 18".
5. TYPE K COPPER SERVICE LINE MUST BE CONTINUOUS FROM METER TO MAIN
6. NEW WATER MAIN SUBJECT TO 250LB PRESSURE TEST FOR TWO HOURS.
FULTON COUNTY STANDARD DETAIL 801
3/4" & 5/8" METER INSTALLATION
DATE 8/06
REVISIONS
DATE
REVISIONS
DGS/DRN/CHKD: CMS
APPROVED: REW
DATE: 12-2-06
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0496
DRAWING NO.
801


R/W
1" METER
PLASTIC METER BOX w/ CAST IRON COVER
NOTE: SERVICE SHALL HAVE 18" MIN. AT METER, AND 30" MIN. COVER BETWEEN MAIN AND METER
SERVICE BY OTHERS
TWO COURSES OF BRICK (8 BRICKS EACH COURSE)
TYPE K COPPER SERVICE TUBING
MAINTAIN 4' DEPTH TO AVOID CONFLICT WITH OTHER UTILITIES
CURB STOP
DITCH
18" MIN. COVER AT DITCH
CORPORATION COCK
DEPTH AS SPECIFIED
NOTES:
1.SERVICE LINE SHALL BE 1" FROM MAIN TO METER
2. USE ALL FLARE JOINTS
3. INSTALLATION SHALL ALLOW ADEQUATE ROOM TO REMOVE AND/OR REPAIR METER
4. METER BOX SHALL BE APPROXIMATELY 18" x 24"
5. TYPE K COPPER SERVICE LINE MUST BE CONTINUOUS FROM METER TO MAIN
6. NEW WATER MAIN SUBJECT TO 250LB PRESSURE TEST FOR TWO HOURS.
FULTON COUNTY STANDARD DETAIL 802
1" METER INSTALLATION
DATE
REVISIONS
DATE
REVISIONS
DGS/DRN/CHKD: CMS
APPROVED: REW
DATE: 12-2-05
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0496
DRAWING NO.
802


FULTON COUNTY STANDARD DETAIL 804
2" METER INSTALLATION
DATE
REVISIONS
DATE
REVISIONS
DES/DRN/CHKD: CMS
APPROVED: REW
DATE: 12-2-08
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0486
DRAWING NO.
804
R/W
2" METER
PLASTIC METER BOX W/ CAST IRON COVER
NOTE: SERVICE SHALL HAVE 18" MIN. AT METER, AND 30" MIN. COVER BETWEEN MAIN AND METER
HOUSE SERVICE BY OTHERS
TWO COURSES OF BRICK (8 BRICKS EACH COURSE)
TYPE K COPPER SERVICE TUBING
CURB STOP
DITCH
MAINTAIN 4" DEPTH TO AVOID CONFLICT WITH OTHER UTILITIES
BRASS SADDLE W/SILICON BRONZE STRAPS
DEPTH AS SPECIFIED
NOTES:
1. SERVICE LINE SHALL BE 2" DIAMETER FROM THE MAIN TO THE METER
2. USE ALL COMPRESSION GRIP JOINTS
3. INSTALLATION SHALL ALLOW ADEQUATE ROOM TO REMOVE AND/OR REPAIR METER
4. METER BOX SHALL BE APPROXIMATELY 24" x 36"
5. TYPE K COPPER SERVICE LINE MUST BE CONTINUOUS FROM METER TO MAIN


FULTON COUNTY STANDARD DETAIL B03
1½" METER INSTALLATION
DATE 8/08
REVISIONS
NRR
DATE
REVISIONS
DOG/DRN/CHKD: CMS
APPROVED: REW
DATE: 12-2-05
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498
DRAWING NO.
B03
R/W
1½" METER
PLASTIC METER BOX w/ CAST IRON COVER
NOTE: SERVICE SHALL HAVE 18" MIN. AT METER, AND 30" MIN. COVER BETWEEN MAIN AND METER
DEPTH AS SPECIFIED
DITCH
CURB STOP
BRASS SADDLE W/SILICON BRONZE STRAPS
TYPE K COPPER SERVICE TUBING
HOUSE SERVICE BY OTHERS
TWO COURSES OF BRICK (8 BRICKS EACH COURSE)
MAINTAIN 4' DEPTH TO AVOID CONFLICT WITH OTHER UTILITIES
NOTES:
1. SERVICE LINE SHALL BE 1 1/2" FROM THE MAIN TO THE METER
2. USE ALL COMPRESSION GRIP JOINTS
3. INSTALLATION SHALL ALLOW ADEQUATE ROOM TO REMOVE AND/OR REPAIR METER
4. METER BOX SHALL BE APPROXIMATELY 24" x 36"
5. TYPE K COPPER SERVICE LINE MUST BE CONTINUOUS FROM METER TO MAIN
33.31 REF
13.38±.06
1 1/2" FIP
1 1/2" BALL VALVE
9.00 REF
6.85 REF


FULTON COUNTY STANDARD DETAIL 805
LARGE METERS AND VAULT
DATE
REVISIONS
DATE
REVISIONS
DGS/DRN/CHKD: CMS
APPROVED: REW
DATE: 12-2-05
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498
DRAWING NO.
805
PROPERTY OWNER SIDE
EDGE OF R/W PREFERRED LOCATION
CONCRETE COLLAR CAST-IN-PLACE
METER
FLOW
ANCHOR COUPLING REQUIRED AT STUB END
PRE-CAST METER VAULT
MANHOLE STEPS AT 12" O.C.
ALUMINUM HATCH (SEE SPECIFICATIONS)
RETAINER GLANDS w/ SET SCREWS 6" O.C. (TYP.)
6" VAULT LID
STREET OR SUPPLY SIDE
PROVIDE DUCTILE IRON FLANGED ADAPTER BETWEEN METER ASSEMBLY AND GATE VALVE.
NOTES:
1. BOXES EXCEEDING 6' IN DEPTH MUST BE APPROVED BY FULTON COUNTY.
2. WHEN METER BOX CANNOT BE LOCATED ENTIRELY ON R/W, A PERMANENT EASEMENT SHALL BE OBTAINED TO PREVENT FENCES OR OTHER OBSTRUCTIONS FROM BEING ERECTED AROUND THE METER BOX.
3. COVER OPENING & STEPS TO BE PLACED NEAREST THE METER REGISTER.
4. THE METER MUST BE INSTALLED WITH AT LEAST 8 DIAMETERS OF STRAIGHT PIPE SAME SIZE AS METER ON THE INLET SIDE TO PERMIT ON-SITE MAINTENANCE AND CALIBRATION. A STRAINER MAY BE PROVIDED IN LIEU OF THE STRAIGHT PIPE IN ACCORDANCE WITH THE METER MANUFACTURER'S RECOMMENDATIONS. AN INLET AND OUTLET GATE VALVE WITH BYPASS LINE ARE REQUIRED (SEE ILLUSTRATION).
5. THESE BOXES ARE NOT TO BE INSTALLED IN TRAFFIC AREAS WITHOUT PRIOR PERMISSION FROM FULTON COUNTY.
6. ALL VALVES AND FITTINGS INSIDE THE VAULT SHALL BE FLANGED.
7. ALL FITTINGS OUTSIDE THE VAULT SHALL BE PUSH-ON JOINT WITH AMERICAN 'FAST-GRIP' GASKETS OR APPROVED EQUAL.
8. ALL METERS SHALL COME EQUIPPED WITH A TOUCHREAD OR TOUCHLESS SENSOR COMPATIBLE WITH FULTON COUNTY'S METER READING EQUIPMENT.
9. THIS DETAIL ALSO AUTHORIZED FOR INSTALLATION OF 3" AND LARGER RE-LOCATED METERS.
10. HATCH SHALL BE 4' X 6', DOUBLE LEAF, FLUSH MOUNT, 1/4" DIAMOND PLATE. ALUMINUM DOORS LOCKABLE WITH A 5/8" ROD. HATCH SHALL BE BILCO #PDCM-3 OR PRE-APPROVED EQUAL FOR 6" & 8" METERS. HATCH SHALL BE 3'6" X 3'6" SINGLE LEAF FLUSH MOUNT 1/4" DIAMOND PLATE, ALUMINUM DOOR LOCKABLE WITH 5/8" ROD. HATCH SHALL BE BILCO#PCM-5 OR PRE-APPROVED EQUAL FOR 3" & 4" METERS.
METER SIZE | VAULT L | VAULT W | VAULT D | HATCH SIZE
3" | 8' | 5' | 6' | 3'6" X 3'6"
4" | 8' | 5' | 6' | 3'6" X 3'6"
6" | 12' | 8' | 6' | 4' X 6'
8" | 12' | 8' | 6' | 4' X 6'



NOTES:

1. IN THE EVENT CASING IS NOT PRESENT ON LONG SIDE LOT; BORING SHALL BE PERMITTED. WHEN CASING DOES EXIST - 1" OR ¾" PIPE SHALL BE INSERTED THROUGH CASING TO COMPLETE THE INSTALLATION FROM THE MAIN TO THE METER.
2. APPROVAL MUST BE OBTAINED BY FULTON COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION, PRIOR TO ROAD CUT. THE PUBLIC WORKS WATER SERVICES DIVISION DOES NOT HAVE THE AUTHORITY TO APPROVE ROAD CUTS. NO ROAD CUT SHALL BE PERMITTED UNTIL 3 ATTEMPTS HAVE BEEN MADE AT BORING OR LOCATING CASING.
3. 24" COVER (MIN.) FROM SURFACE TO TOP OF SERVICE PIPE APPLIES TO COUNTY MAINTAINED ROADS FOR STATE ROADS SAID MINIMUM CLEARANCE SHALL BE 48".
4. ALL CUTS IN PAVEMENT SHALL BE REPAIRED IN ACCORDANCE WITH EITHER GA. D.O.T. OR FULTON CO. STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DITCH COMPACTION, CUTBACK OF DITCH SIDES AND PAVING OF THE REQUIRED CONCRETE SUB-BASE AND PLATING THE DITCH TO ALLOW TRAFFIC FLOW WHILE CONCRETE IS SETTING UP. STEEL TRAFFIC PLATES WILL COVER POURED CONCRETE FOR A MINIMUM OF 24 HOURS.
5. METERS ARE TO BE SET DIRECTLY OPPOSITE TAP ON MAIN. THE METER SHALL NOT BE OFFSET LATERALLY FROM TAP ON WATER MAIN.

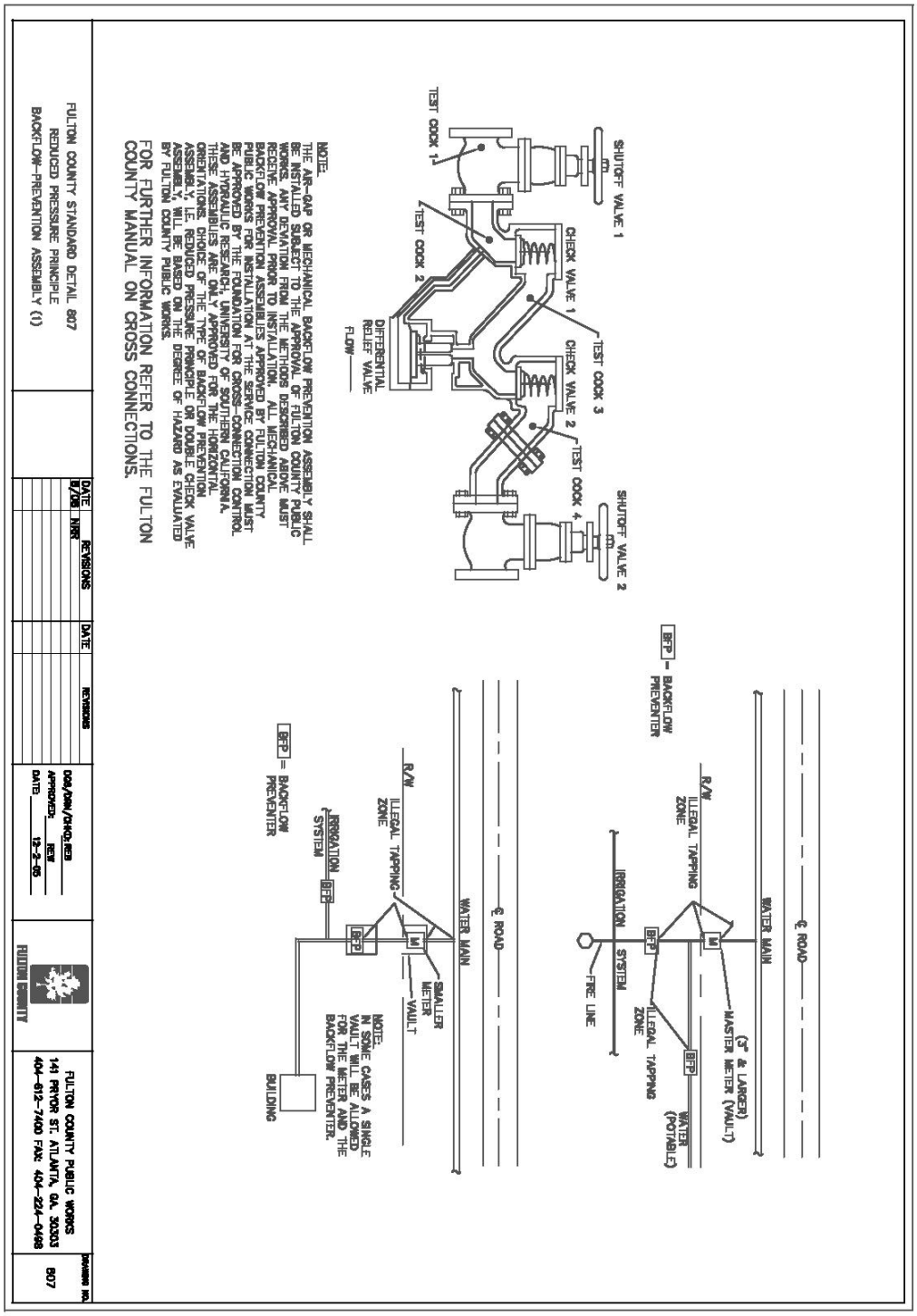
DATE:	REVISIONS	DATE	REVISIONS
6/98	MKR		

FULTON COUNTY STANDARD DETAIL 606
¾" – 1" METER SETTING
SHORT AND LONG SIDES

DSR/DRW/CHKD: DMS
APPROVED: ML
DATE: 12-3-98

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0480

DRAWING NO.: 606



						FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404-612-7400 FAX: 404-224-0488	DRAWING NO. 807
					FULTON County		
					DGN/DWN/CHKD: RCB APPROVED: REM DATE: 12-2-05		

REDUCED – PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (RPBA)

DESCRIPTION

THE APPROVED REDUCED–PRESSURE PRINCIPLE BACKFLOW–PREVENTION ASSEMBLY CONSISTS OF TWO INDEPENDENTLY ACTING, APPROVED CHECK VALVES TOGETHER WITH A HYDRAULICALLY OPERATING, MECHANICALLY INDEPENDENT PRESSURE DIFFERENTIAL RELIEF VALVE LOCATED BETWEEN THE CHECK VALVES AND BELOW THE FIRST CHECK VALVE. THESE UNITS ARE LOCATED BETWEEN TWO TIGHTLY CLOSING RESILIENT–SEATED SHUTOFF VALVES, AS AN ASSEMBLY, AND ARE EQUIPPED WITH PROPERLY LOCATED RESILIENT–SEATED TEST COCKS AS SHOWN.

APPLICATION

THE RPBA IS EFFECTIVE AGAINST BACKFLOW CAUSED BY BACKPRESSURE AND BACKSIPHONAGE.
THE RPBA IS NORMALLY USED IN LOCATIONS WHERE AN APPROVED AIR GAP IS IMPRACTICAL.

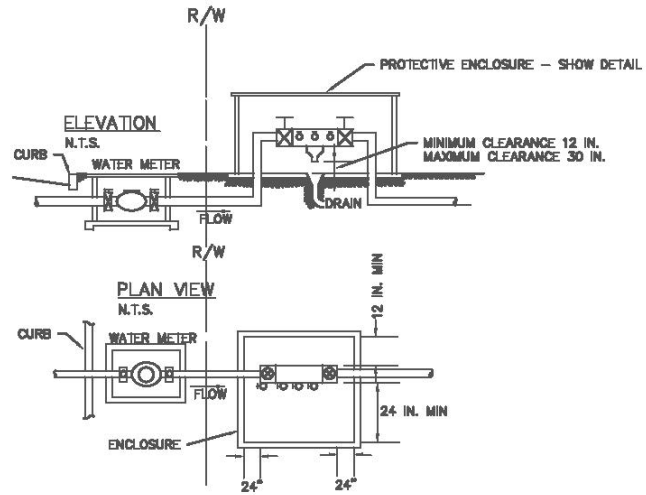
INSTALLATION

THE RPBA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. THE INSTALLATION SHOULD NOT REQUIRE PLATFORMS, LADDERS, OR LIFTS FOR ACCESS.
ADEQUATE CLEARANCE FROM THE FLOOR, CEILING, AND WALLS MUST BE PROVIDED TO FACILITATE THE REMOVAL OF THE RELIEF VALVE AND/OR CHECK VALVES.

AN RPBA MUST BE PROTECTED FROM FREEZING TEMPERATURES AND IF INSTALLED WHERE TEMPERATURES WILL REACH 110 DEGREES FAHRENHEIT (43 DEGREES CELSIUS) OR ABOVE, THE HOT–WATER TYPE OF ASSEMBLY MUST BE USED.
CONSULT MANUFACTURER'S SPECIFICATIONS FOR RECOMMENDATIONS.
AN RPBA SHALL NOT BE INSTALLED IN A PIT BELOW GROUND LEVEL. SEMIBURIED PITS ARE ACCEPTABLE IF THE RPBA IS INSTALLED ABOVE THE GROUND OR THE MAXIMUM FLOOD LEVEL WITH THE APPROVED AIR GAP BETWEEN THE RELIEF VALVE PORT AND THE DAYLIGHT DRAIN.
THE DAYLIGHT DRAIN FROM ABOVE GROUND OR SEMIBURIED VAULTS MUST PROVIDE:
ADEQUATE DRAINAGE FOR THE DISCHARGE FROM THE REDUCED–PRESSURE PRINCIPLE ASSEMBLY RELIEF VALVE PORT.
ACCESS FOR MAINTENANCE AND PERIODIC TESTING MUST ALSO BE PREPARED.

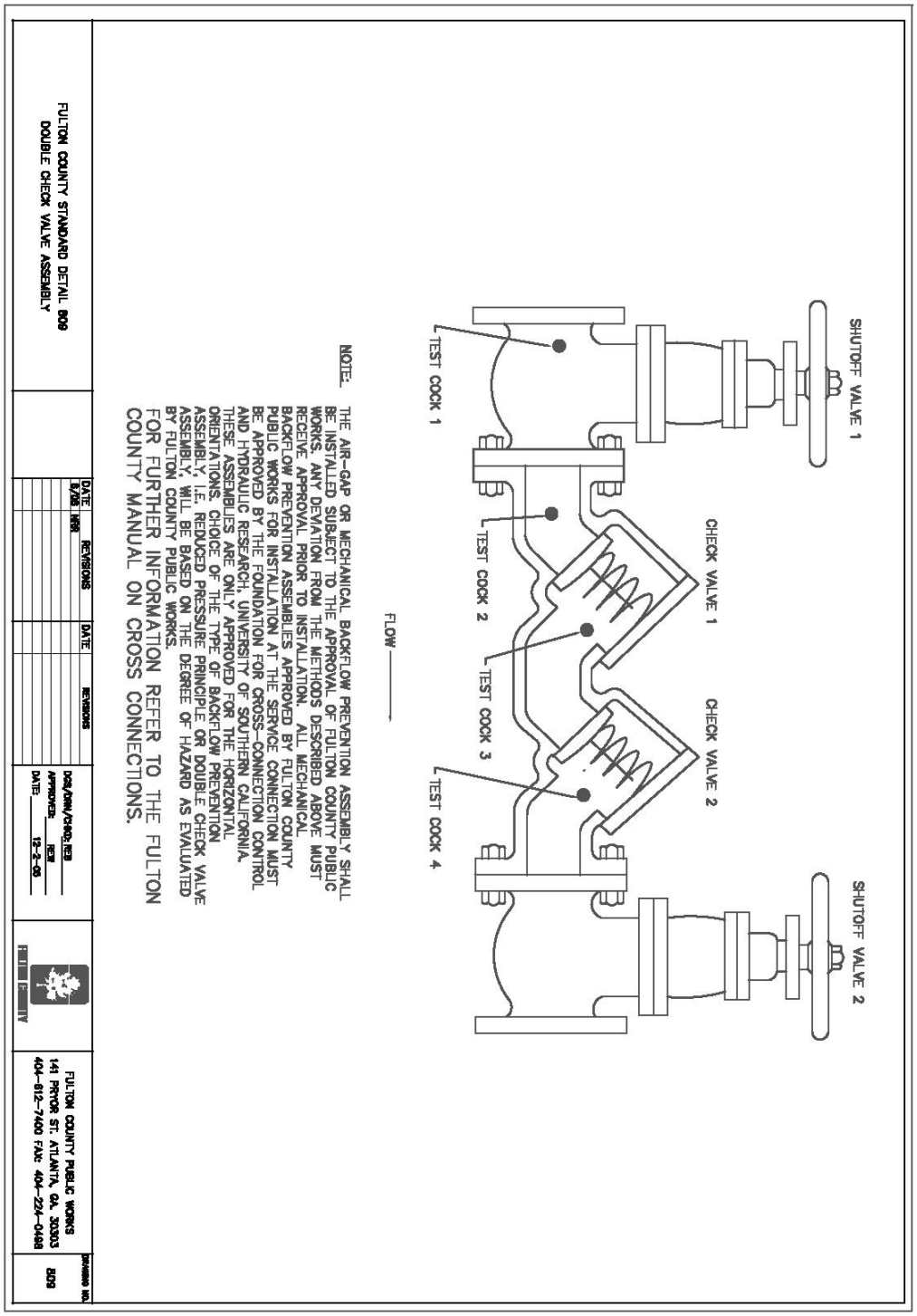
BEFORE INSTALLING AN RPBA, ENSURE THAT THE RELIEF VALVES ARE IN GOOD WORKING CONDITION.
IF THE RPBA IS LOCATED INSIDE A BUILDING, A DRAIN MUST BE PROVIDED TO RECEIVE SPILLAGE FROM THE RELIEF VALVE PORT. THE RELIEF VALVE PORT MUST ALWAYS HAVE AN APPROVED AIR GAP BETWEEN IT AND THE DRAIN OR MAXIMUM FLOOD LEVEL, WHICHEVER IS HIGHEST.
ALL REDUCED–PRESSURE PRINCIPLE ASSEMBLIES SHALL BE INSTALLED IN THE

THE RPBA SHALL NOT BE INSTALLED IN AN AREA WHERE CORROSIVE FUMES OR GASES COULD RENDER THE ASSEMBLY INOPERABLE.



ADEQUATE CLEARANCE
FOR OPERATION OR REMOVAL OF VALVES

FULTON COUNTY STANDARD DETAIL 808 REDUCED PRESSURE PRINCIPLE BACKFLOW–PREVENTION ASSEMBLY (2)		DATE / REVISIONS 8/08 NRR	DATE / REVISIONS	DGS/DRN/CHKD: REB APPROVED: REW DATE: 12-2-05	FULTON COUNTY	FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404–612–7400 FAX: 404–224–0498	DRAWING NO. 808


SHUTOFF VALVE 1
SHUTOFF VALVE 2
CHECK VALVE 1
CHECK VALVE 2
TEST COCK 1
TEST COCK 2
TEST COCK 3
TEST COCK 4
FLOW
NOTE:
THE AIR-GAP OR MECHANICAL BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED SUBJECT TO THE APPROVAL OF FULTON COUNTY PUBLIC WORKS. ANY DEVIATION FROM THE METHODS DESCRIBED ABOVE MUST RECEIVE APPROVAL PRIOR TO INSTALLATION. ALL MECHANICAL BACKFLOW PREVENTION ASSEMBLIES APPROVED BY FULTON COUNTY PUBLIC WORKS FOR INSTALLATION AT THE SERVICE CONNECTION MUST BE APPROVED BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH, UNIVERSITY OF SOUTHERN CALIFORNIA. THESE ASSEMBLIES ARE ONLY APPROVED FOR THE HORIZONTAL ORIENTATIONS. CHOICE OF THE TYPE OF BACKFLOW PREVENTION ASSEMBLY, I.E. REDUCED PRESSURE PRINCIPLE OR DOUBLE CHECK VALVE ASSEMBLY, WILL BE BASED ON THE DEGREE OF HAZARD AS EVALUATED BY FULTON COUNTY PUBLIC WORKS.
FOR FURTHER INFORMATION REFER TO THE FULTON COUNTY MANUAL ON CROSS CONNECTIONS.
FULTON COUNTY STANDARD DETAIL 809
DOUBLE CHECK VALVE ASSEMBLY
DATE
REVISIONS
DATE
REVISIONS
DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498
DRAWING NO.
809

DOUBLE CHECK VALVE ASSEMBLE (DCVA)

DESCRIPTION

THIS ASSEMBLY CONSISTS OF TWO INTERNALLY LOADED CHECK VALVES, EITHER SPRING-LOADED OR INTERNALLY WEIGHTED, INSTALLED AS A UNIT BETWEEN TWO TIGHTLY CLOSING RESILIENT-SEATED SHUTOFF VALVES AS AN ASSEMBLY, AND FITTINGS WITH PROPERLY LOCATED RESILIENT-SEATED TEST COCKS AS SHOWN.

APPLICATION

THE DCVA IS EFFECTIVE AGAINST BACKFLOW CAUSED BY BACKPRESSURE AND BACKSIPHONAGE AND IS USED TO PROTECT THE WATER SYSTEM FROM POLLUTANTS THAT WOULD NOT CONSTITUTE AN ACTUAL HEALTH HAZARD, BUT THAT MIGHT BE OBJECTIONABLE TO THE WATER SUPPLY SYSTEM.

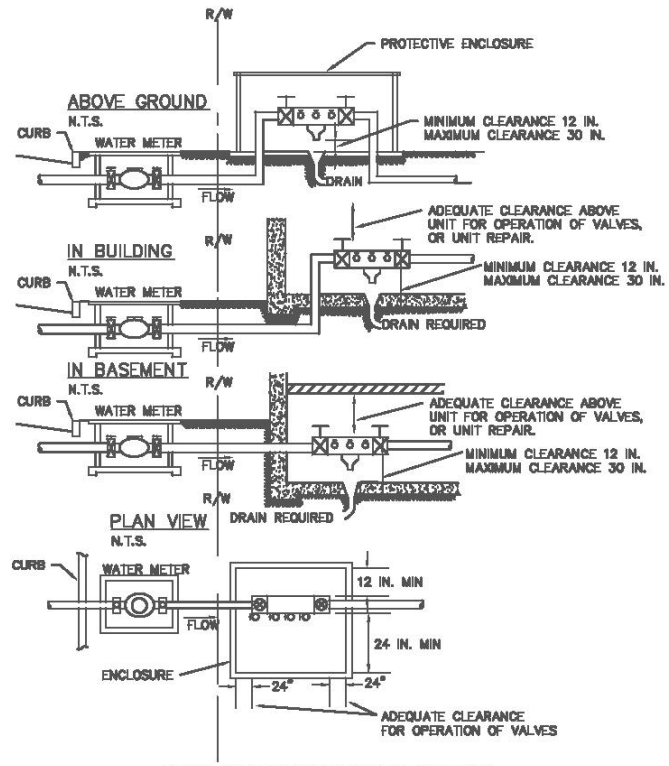
INSTALLATION

THE DCVA SHOULD BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING AND SHOULD HAVE FREE ACCESS WITHOUT THE USE OF PLATFORMS, LADDERS, OR LIFTS.

A DCVA SHOULD NOT BE INSTALLED BELOW GROUND LEVEL UNLESS PROVIDED WITH ADEQUATE DRAINAGE TO MAINTAIN A DRY LOCATION. WHERE AN ASSEMBLY MUST BE INSTALLED IN A LOCATION THAT IS SUSCEPTIBLE TO FLOODING, SUCH AS A BASEMENT, THE TEST COCKS SHALL BE PLUGGED.

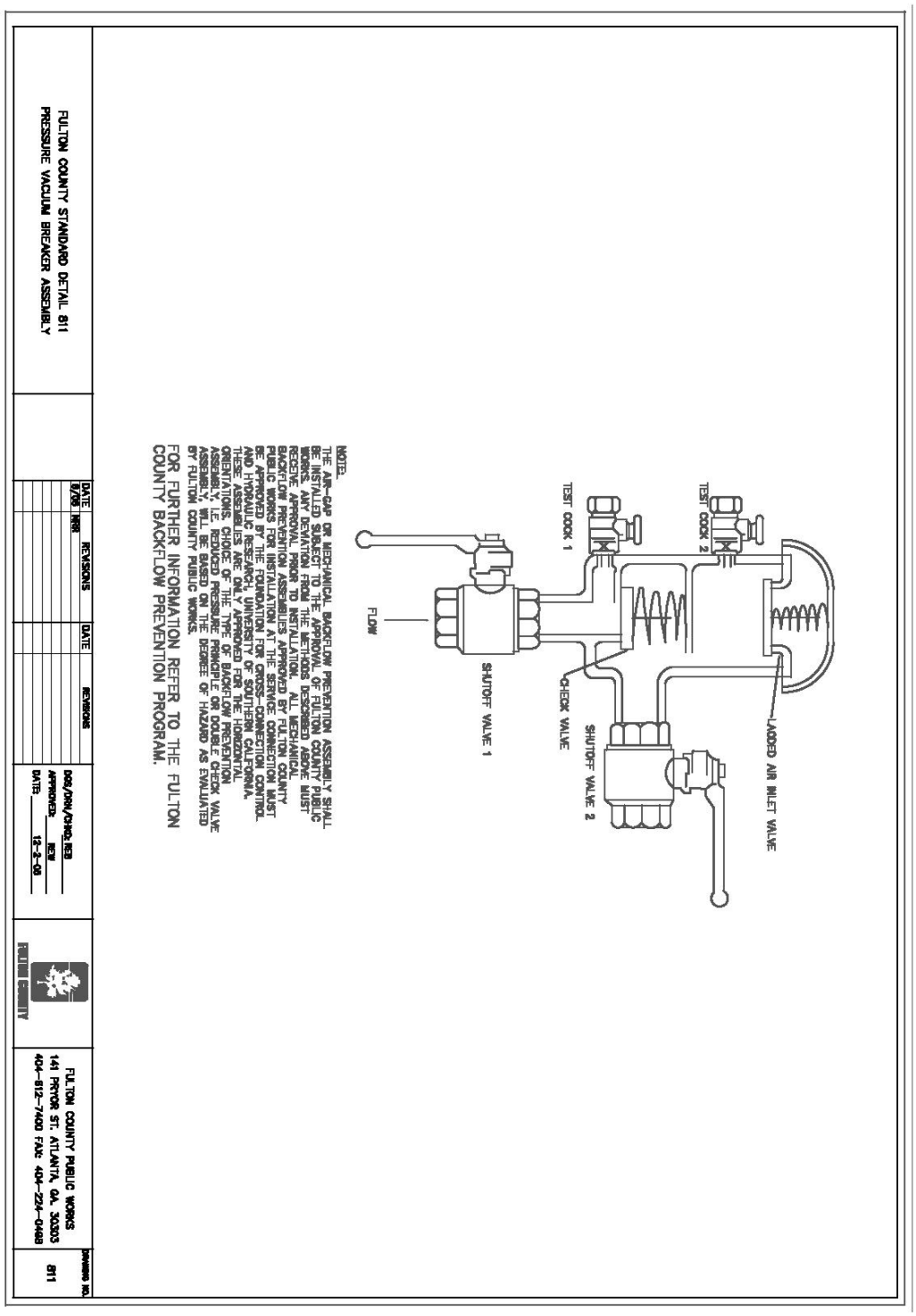
ALL DCVAS SHALL BE INSTALLED IN A HORIZONTAL POSITION UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER AND/OR FULTON COUNTY PUBLIC WORKS.

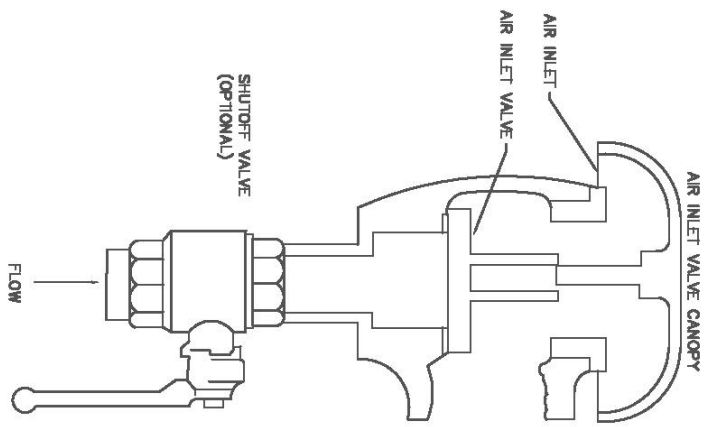
A DCVA MUST BE PROTECTED FROM FREEZING TEMPERATURES. FOR TEMPERATURES OF 100 DEGREES FAHRENHEIT (43 DEGREES CELSIUS) OR ABOVE, CONSULT MANUFACTURER'S LITERATURE FOR RECOMMENDATIONS.



TYPICAL INSTALLATIONS WITH MINIMUM CLEARANCES
DOUBLE CHECK VALVE ASSEMBLIES

FULTON COUNTY STANDARD DETAIL 810 DOUBLE CHECK VALVE ASSEMBLY		DATE / REVISIONS 8/08 NRR	DATE / REVISIONS	DGS/DRN/CHKD: CMS APPROVED: REW DATE: 12-2-05	FULTON COUNTY	FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404-612-7400 FAX: 404-224-0498	DRAWING NO. 810


TEST COCK 2
TEST COCK 1
FLOW
SHUTOFF VALVE 1
CHECK VALVE
SHUTOFF VALVE 2
LARGED AIR INLET VALVE
NOTE:
THE AIR-GAP OR MECHANICAL BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED SUBJECT TO THE APPROVAL OF FULTON COUNTY PUBLIC WORKS. ANY DEVIATION FROM THE METHODS DESCRIBED ABOVE MUST RECEIVE APPROVAL PRIOR TO INSTALLATION. ALL MECHANICAL BACKFLOW PREVENTION ASSEMBLIES APPROVED BY FULTON COUNTY PUBLIC WORKS FOR INSTALLATION AT THE SERVICE CONNECTION MUST BE APPROVED BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH, UNIVERSITY OF SOUTHERN CALIFORNIA. THESE ASSEMBLIES ARE ONLY APPROVED FOR THE HORIZONTAL ORIENTATIONS. CHOICE OF THE TYPE OF BACKFLOW PREVENTION ASSEMBLY TO BE USED (DOUBLE CHECK VALVE OR REDUCED PRESSURE ASSEMBLY) WILL BE BASED ON THE DEGREE OF HAZARD AS EVALUATED BY FULTON COUNTY PUBLIC WORKS.
FOR FURTHER INFORMATION REFER TO THE FULTON COUNTY BACKFLOW PREVENTION PROGRAM.
FULTON COUNTY STANDARD DETAIL 811
PRESSURE VACUUM BREAKER ASSEMBLY
DATE
BY
REVISIONS
DATE
BY
REVISIONS
DSG/DRN/CHKD.BY
APPROVED: REW
DATE: 12-2-08
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0488
DRAWING NO.
811



NOTE:

THE AIR-GAP OR MECHANICAL BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED SUBJECT TO THE APPROVAL OF FULTON COUNTY PUBLIC WORKS. ANY DEVIATION FROM THE METHODS DESCRIBED ABOVE MUST RECEIVE APPROVAL PRIOR TO INSTALLATION. ALL MECHANICAL BACKFLOW PREVENTION ASSEMBLIES APPROVED BY FULTON COUNTY PUBLIC WORKS FOR INSTALLATION AT THE SERVICE CONNECTION MUST BE APPROVED BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH, UNIVERSITY OF SOUTHERN CALIFORNIA. THESE ASSEMBLIES ARE ONLY APPROVED FOR THE HORIZONTAL ORIENTATIONS. CHOICE OF THE TYPE OF BACKFLOW PREVENTION ASSEMBLY, I.E. REDUCED PRESSURE PRINCIPLE OR DOUBLE CHECK VALVE ASSEMBLY, WILL BE BASED ON THE DEGREE OF HAZARD AS EVALUATED BY FULTON COUNTY PUBLIC WORKS.

FOR FURTHER INFORMATION REFER TO THE FULTON COUNTY BACKFLOW PREVENTION PROGRAM.

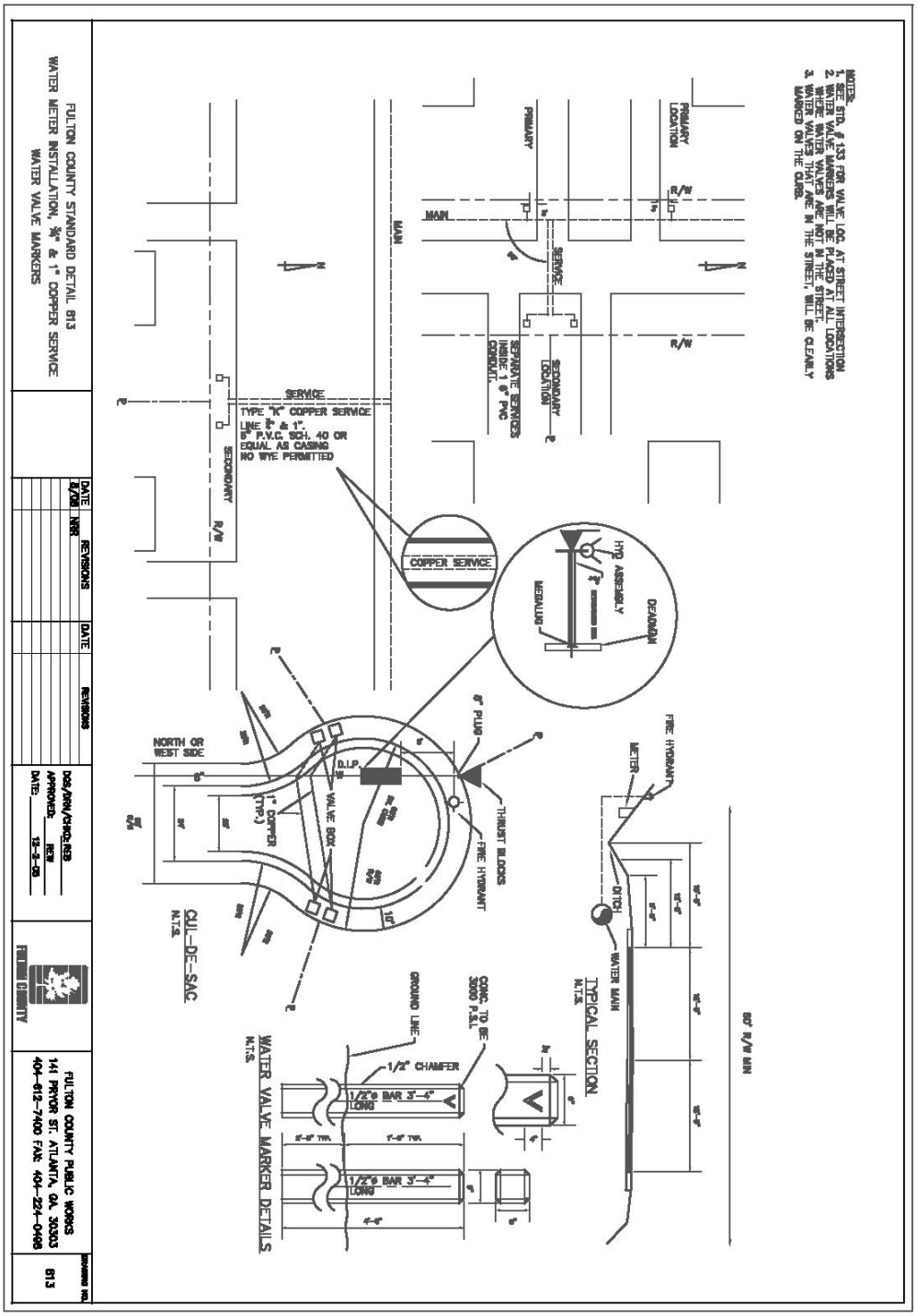
FULTON COUNTY STANDARD DETAIL 812
ATMOSPHERIC VACUUM BREAKER ASSEMBLY

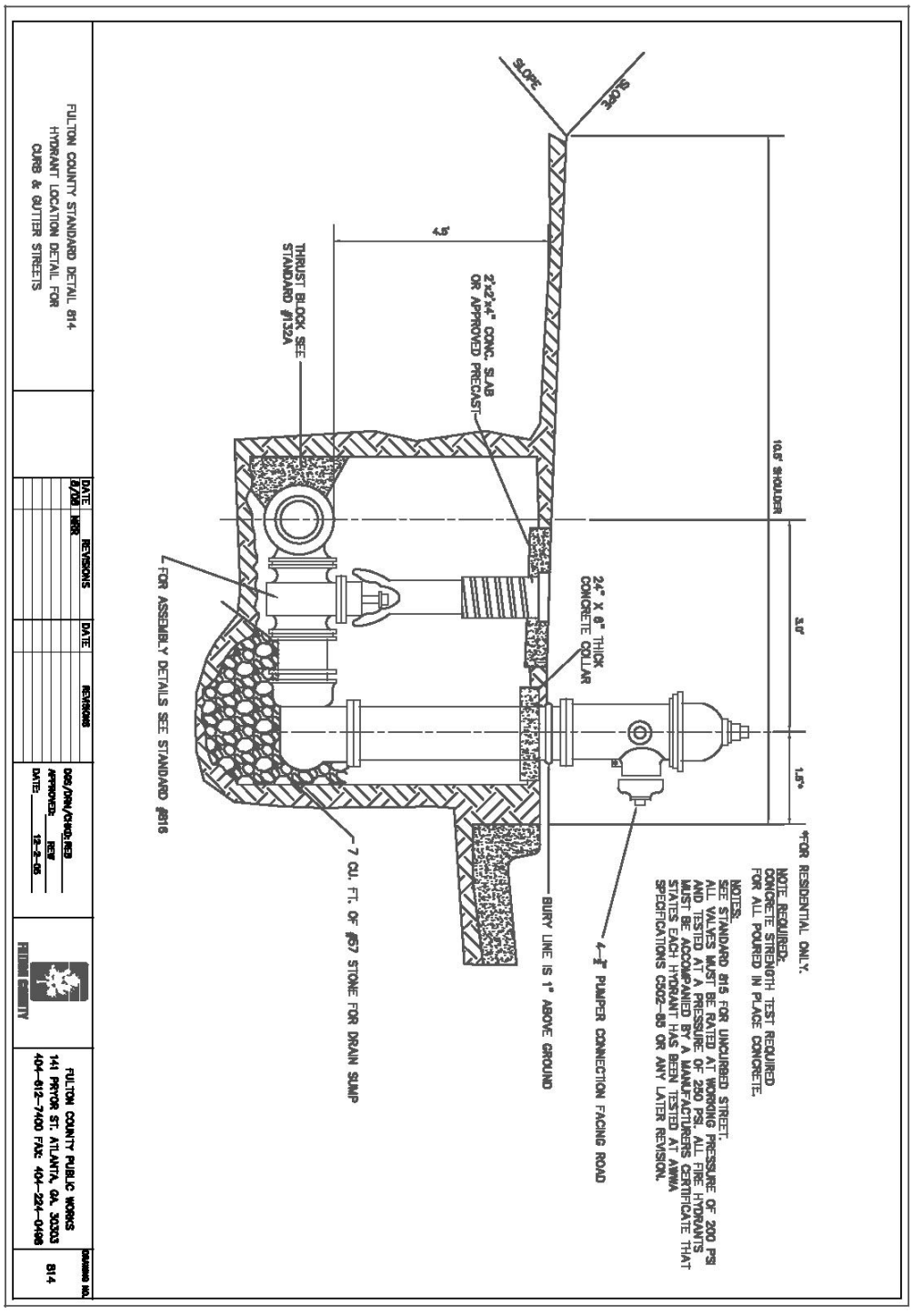
DATE	REVISIONS	DATE	REVISIONS
8/08	NRR		

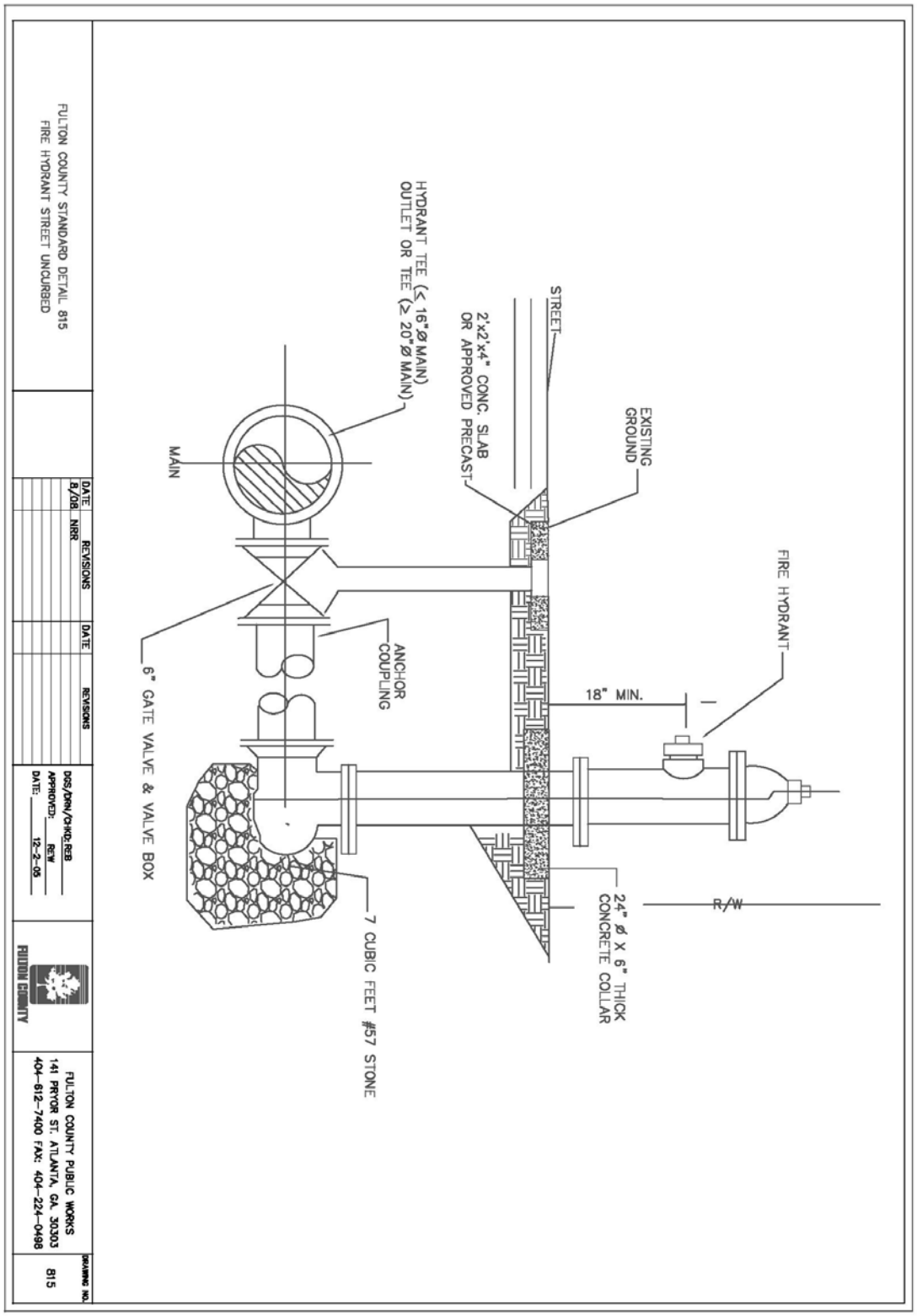
DGS/DRW/CHKD: REB
APPROVED: REW
DATE: 12-2-05

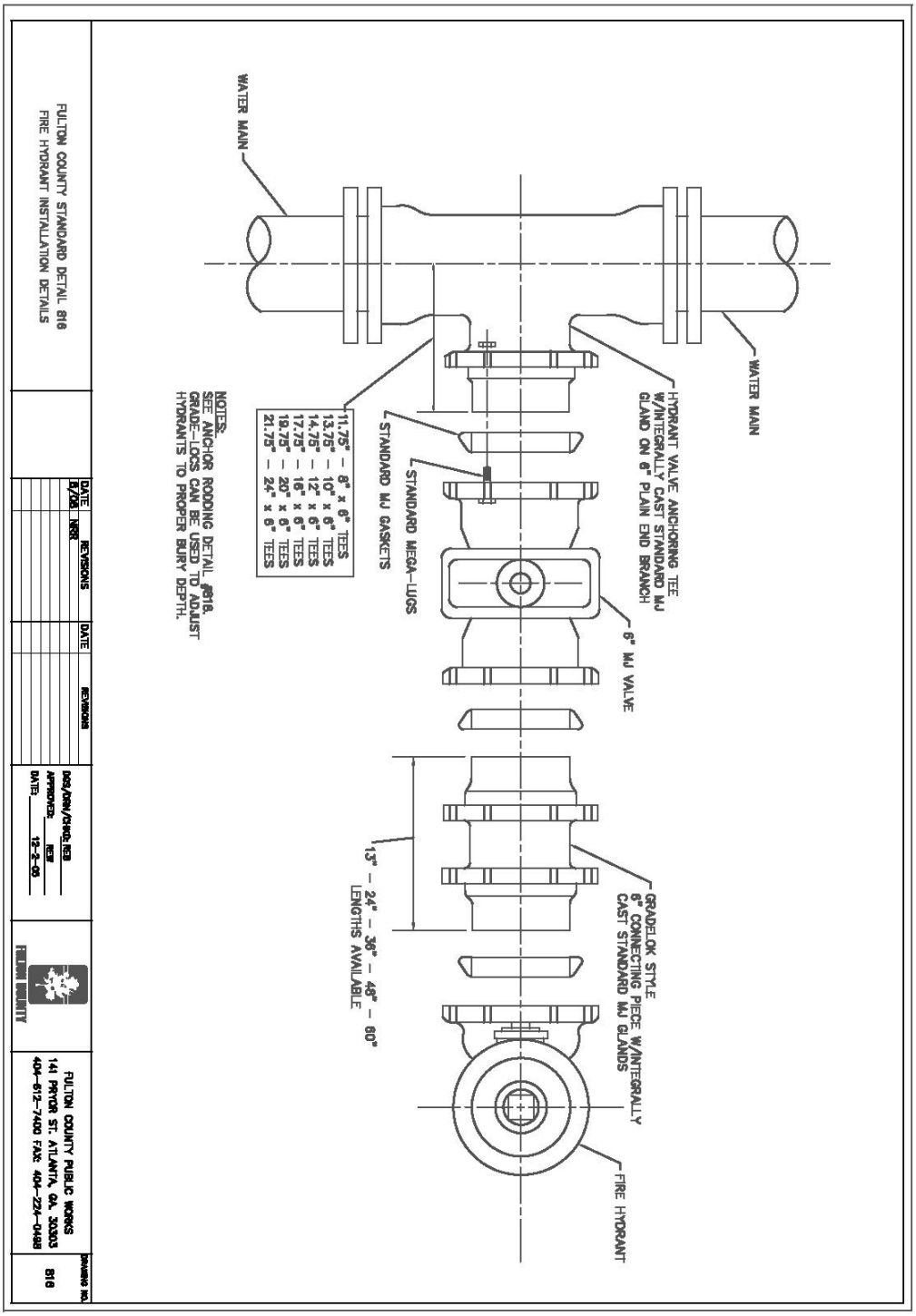
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498

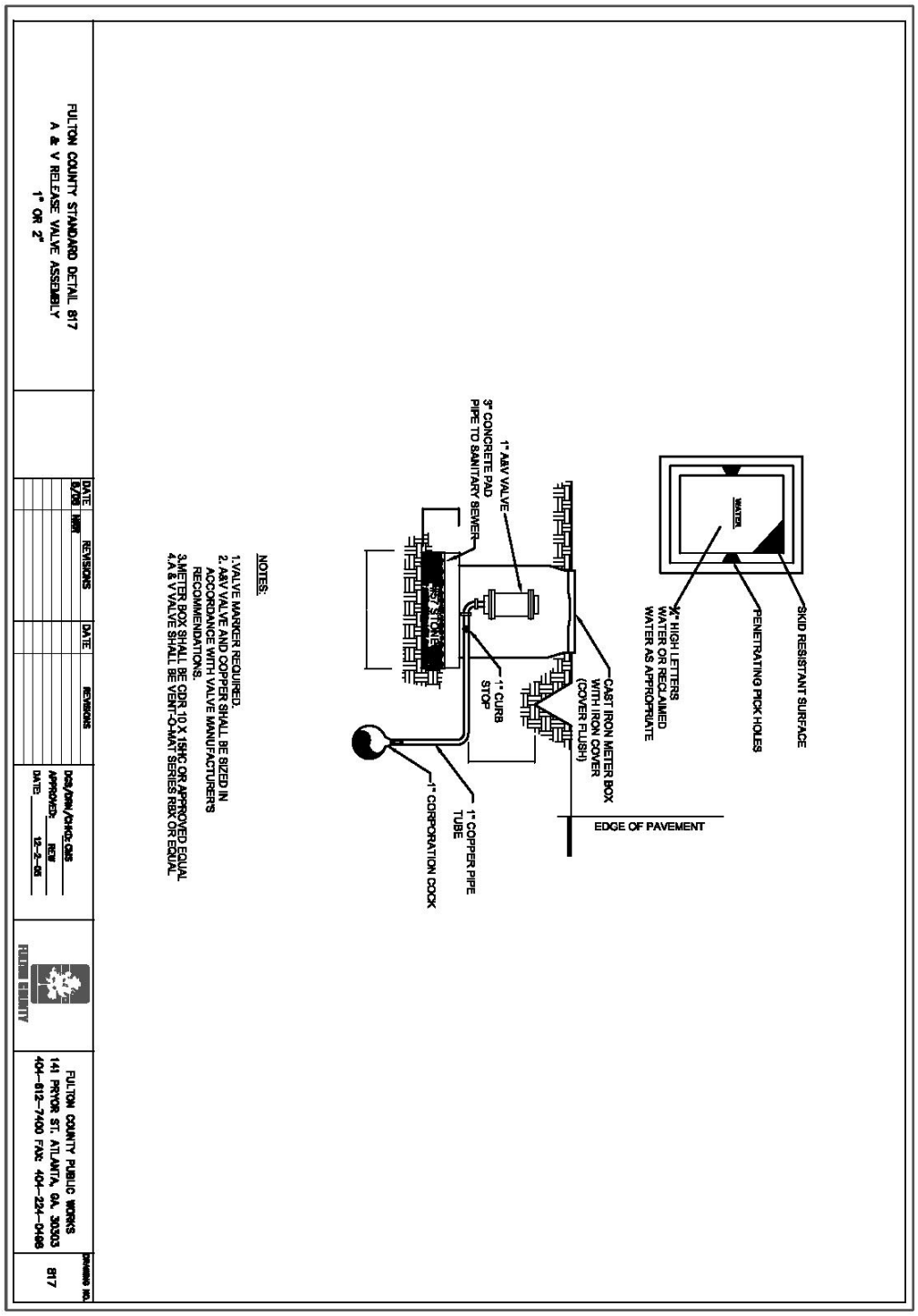
DRAWING NO.
812

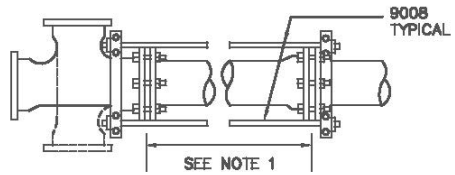

FULTON COUNTY STANDARD DETAIL 613
WATER METER INSTALLATION, ¾" & 1" COPPER SERVICE
WATER VALVE MARKERS
REVISIONS
DATE
NOTES:
1. SEE STD. # 133 FOR VALVE LOCATION AT STREET INTERSECTION
2. WATER VALVE MARKERS WILL BE PLACED AT ALL LOCATIONS WHERE WATER VALVES ARE NOT IN THE STREET.
3. WATER VALVES THAT ARE IN THE STREET, WILL BE CLEARLY MARKED ON THE CURB.
PRIMARY LOCATION
MAIN
SERVICE
SECONDARY LOCATION
SEPARATE SERVICES INSIDE 1 ½" PVC CONDUIT.
SERVICE
TYPE "K" COPPER SERVICE LINE ¾" & 1". 6" P.V.C. SCH. 40 OR EQUAL AS CASING NO WYE PERMITTED
SECONDARY R/W
COPPER SERVICE
HYD ASSEMBLY
DEADMAN
MEGALUG
NORTH OR WEST SIDE
D.I.P.
6" PLUG
VALVE BOX
1" COPPER (TYP.)
THRUST BLOCKS
FIRE HYDRANT
CUL-DE-SAC
N.T.S.
FIRE HYDRANT
METER
DITCH
WATER MAIN
TYPICAL SECTION
N.T.S.
80' R/W MIN
GROUND LINE
CONC. TO BE 3000 P.S.I.
1/2" CHAMFER
1/2"ø BAR 3'-4" LONG
WATER VALVE MARKER DETAILS
N.T.S.
DSG/DRN/CHKD: REB
APPROVED: REB
DATE: 12-2-05
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0468
613


SLOPE
SLOPE
4.5'
2'x2'x4" CONC. SLAB OR APPROVED PRECAST
THRUST BLOCK SEE STANDARD #132A
10.5' SHOULDER
3.0'
1.5'*
24" X 6" THICK CONCRETE COLLAR
FOR ASSEMBLY DETAILS SEE STANDARD #816
7 CU. FT. OF #57 STONE FOR DRAIN SUMP
BURY LINE IS 1" ABOVE GROUND
4-2½" PUMPER CONNECTION FACING ROAD
*FOR RESIDENTIAL ONLY.
NOTE REQUIRED:
CONCRETE STRENGTH TEST REQUIRED FOR ALL POURED IN PLACE CONCRETE.
NOTES:
SEE STANDARD 815 FOR UNCURBED STREET.
ALL VALVES MUST BE RATED AT WORKING PRESSURE OF 200 PSI AND TESTED AT A PRESSURE OF 250 PSI. ALL FIRE HYDRANTS MUST BE ACCOMPANIED BY A MANUFACTURERS CERTIFICATE THAT STATES EACH HYDRANT HAS BEEN TESTED AT AWWA SPECIFICATIONS C502-85 OR ANY LATER REVISION.
FULTON COUNTY STANDARD DETAIL 814
HYDRANT LOCATION DETAIL FOR CURB & GUTTER STREETS
DATE
REVISIONS
DATE
REVISIONS
DGS/DRN/CHKD: RES
APPROVED: REW
DATE: 12-2-05
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498
DRAWING NO.
814

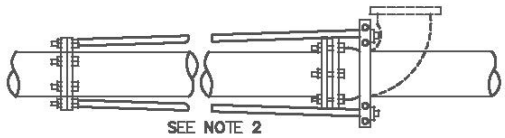

FULTON COUNTY STANDARD DETAIL 815
FIRE HYDRANT STREET UNCURBED
DATE
8/08
NRR
REVISIONS
DATE
REVISIONS
DGS/DRW/CHKD: REB
APPROVED: REW
DATE: 12-2-05
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498
DRAWING NO.
815
STREET
EXISTING GROUND
2'x2'x4" CONC. SLAB OR APPROVED PRECAST
HYDRANT TEE (≤ 16"Ø MAIN) OUTLET OR TEE (≥ 20"Ø MAIN)
MAIN
FIRE HYDRANT
18" MIN.
ANCHOR COUPLING
6" GATE VALVE & VALVE BOX
24" Ø X 6" THICK CONCRETE COLLAR
R/W
7 CUBIC FEET #57 STONE


WATER MAIN
WATER MAIN
HYDRANT VALVE ANCHORING TEE W/INTEGRALLY CAST STANDARD MJ GLAND ON 6" PLAIN END BRANCH
STANDARD MEGA-LUGS
STANDARD MJ GASKETS
11.75" - 8" x 6" TEES
13.75" - 10" x 6" TEES
14.75" - 12" x 6" TEES
17.75" - 16" x 6" TEES
19.75" - 20" x 6" TEES
21.75" - 24" x 6" TEES
NOTES:
SEE ANCHOR RODDING DETAIL #816.
GRADE-LOCS CAN BE USED TO ADJUST HYDRANTS TO PROPER BURY DEPTH.
6" MJ VALVE
GRADELOK STYLE 6" CONNECTING PIECE W/INTEGRALLY CAST STANDARD MJ GLANDS
13" - 24" - 36" - 48" - 60" LENGTHS AVAILABLE
FIRE HYDRANT
FULTON COUNTY STANDARD DETAIL 816
FIRE HYDRANT INSTALLATION DETAILS
DATE
REVISIONS
DATE
REVISIONS
DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498
DRAWING NO.
816


WATER
SKID RESISTANT SURFACE
PENETRATING PICK HOLES
3/4" HIGH LETTERS WATER OR RECLAIMED WATER AS APPROPRIATE
1" A&V VALVE
3" CONCRETE PAD
PIPE TO SANITARY SEWER
CAST IRON METER BOX WITH IRON COVER (COVER FLUSH)
EDGE OF PAVEMENT
1" CURB STOP
1" COPPER PIPE TUBE
1" CORPORATION COCK
NOTES:
1.VALVE MARKER REQUIRED.
2. A&V VALVE AND COPPER SHALL BE SIZED IN ACCORDANCE WITH VALVE MANUFACTURER'S RECOMMENDATIONS.
3.METER BOX SHALL BE CDR 10 X 15HC OR APPROVED EQUAL
4.A & V VALVE SHALL BE VENT-O-MAT SERIES RBX OR EQUAL
FULTON COUNTY STANDARD DETAIL 817
A & V RELEASE VALVE ASSEMBLY
1" OR 2"
DATE
REVISIONS
DATE
REVISIONS
DES/DRN/CHKD: CMS
APPROVED: REM
DATE: 12-2-05
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0486
DRAWING NO.
817



TEE ANCHOR
N.T.S.

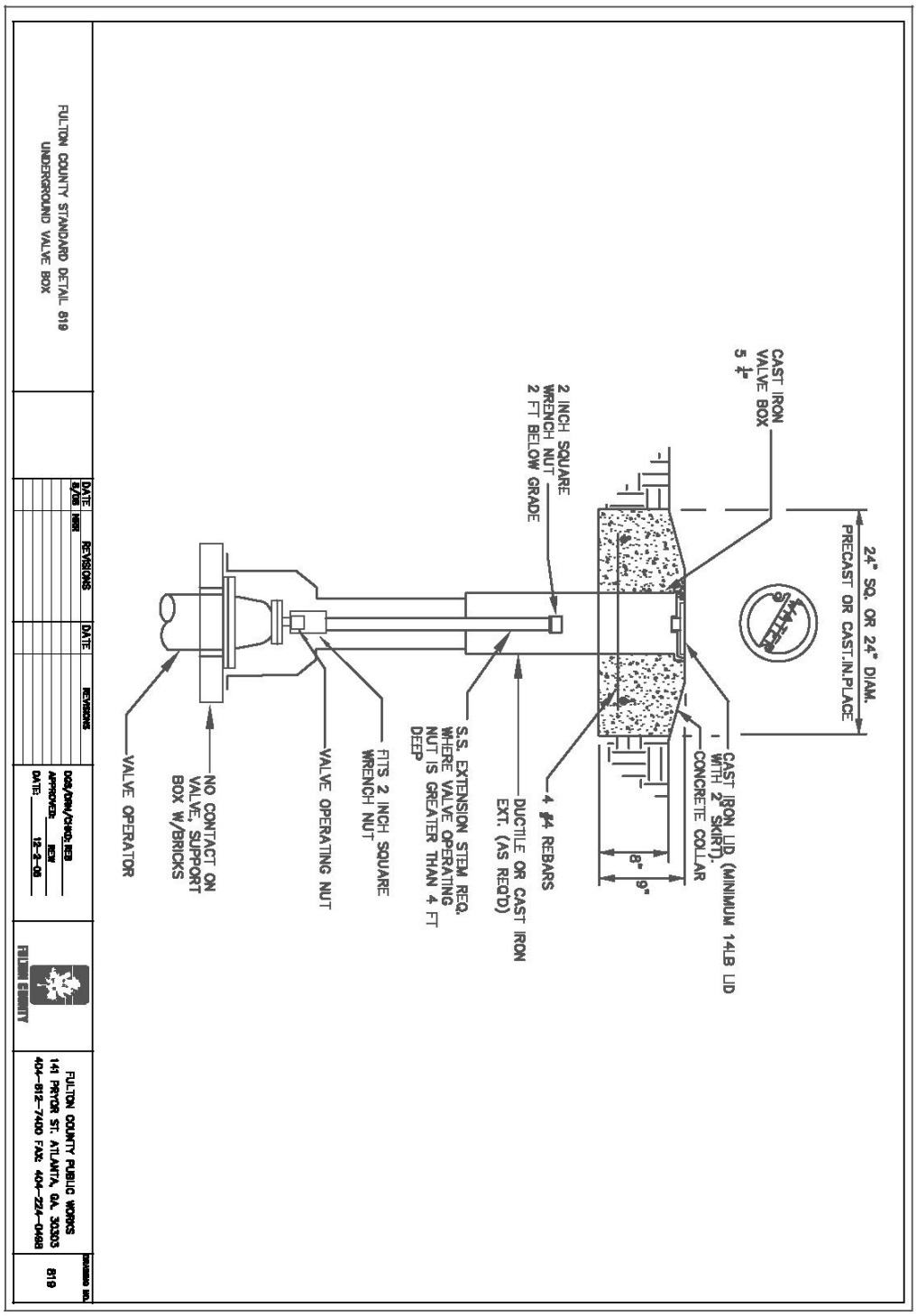


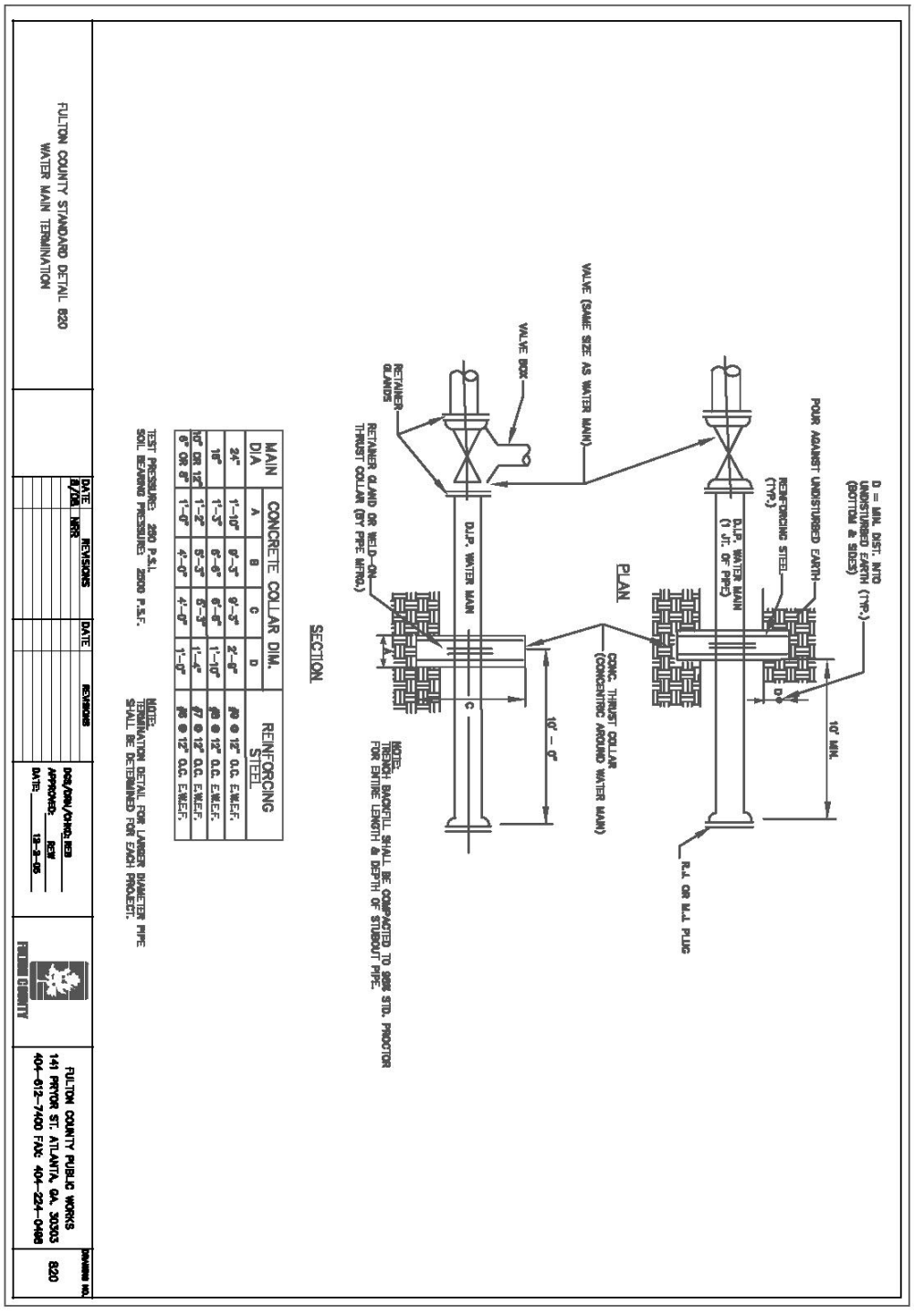
PIPE OR BEND ANCHOR TO FLANGE SPIGOT
N.T.S.

NOTES:

1. IN THE ASSEMBLIES OF RODS AND CLAMPS SHOWN, RODS RUN FROM A LUG ON THE FITTING (OR A CLAMP BEHIND THE HUB OF A BELL) TO A CLAMP AGAINST THE FACE OF A BELL. NOTE THAT THIS ARRANGEMENT ANCHORS ONLY ONE JOINT. THE STABILITY OF THE JOINT WHERE THE CLAMP IS AGAINST THE FACE OF THE BELL DEPENDS ON HAVING SOIL ABOVE A RELATIVELY LONG PIECE OF PIPE ON BOTH SIDES OF THE JOINT. CONSEQUENTLY, IF THE DISTANCE BETWEEN THE FIRST AND SECOND JOINT IS LESS THAN 12 FEET, THE SECOND JOINT SHOWN SHALL BE ANCHORED BY A CLAMP BEHIND THE HUB OF THE BELL AND RODS TO A CLAMP AT THE FACE OF THE NEXT BELL.
2. IN THE ASSEMBLIES SHOWN FOR RODS TO FLANGED FITTINGS, NOTE THAT THE FLANGED FITTING IS NOT TO BE BURIED IN SOIL.
3. AFTER INSTALLATION TIE RODS AND CLAMP ASSEMBLY SHALL BE THOROUGHLY COVERED WITH ROYSTON LABORATORIES INC. ROSKOTE MASTIC NO. A-938 OR KOPPERS CO INC. BITUMASTIC SUPERSERVICE BLACK OR APPROVED EQUIVALENT.
4. RODS TO BE HIGH TENSILE, HOT ROLLED STEEL WITH TENSILE STRENGTH OF 150,000 P.S.I. AND A MINIMUM YIELD STRENGTH OF 130,000 P.S.I.

FULTON COUNTY STANDARD DETAIL 818 TYPICAL ANCHORS		DATE 8/08	REVISIONS NRR	DATE	REVISIONS	DGS/DRN/CHKD: REB APPROVED: REW DATE: 12-2-05	FULTON COUNTY	FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404-612-7400 FAX: 404-224-0498	DRAWING NO. 818


CAST IRON VALVE BOX 5 1/4"
24" SQ. OR 24" DIAM. PRECAST OR CAST.IN.PLACE
2 INCH SQUARE WRENCH NUT 2 FT BELOW GRADE
CAST IRON LID (MINIMUM 14LB LID WITH 2" SKIRT).
CONCRETE COLLAR
4 #4 REBARS
DUCTILE OR CAST IRON EXT. (AS REQ'D)
S.S. EXTENSION STEM REQ. WHERE VALVE OPERATING NUT IS GREATER THAN 4 FT DEEP
FITS 2 INCH SQUARE WRENCH NUT
VALVE OPERATING NUT
NO CONTACT ON VALVE, SUPPORT BOX W/BRICKS
VALVE OPERATOR
8"
9"
FULTON COUNTY STANDARD DETAIL 819
UNDERGROUND VALVE BOX
DATE
REVISIONS
DATE
REVISIONS
DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-06
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498
DRAWING NO.
819



MAIN DIA	CONCRETE COLLAR DIM.				REINFORCING STEEL
	A	B	C	D	
24"	1'-10"	6'-3"	6'-3"	2'-6"	#9 @ 12" O.C. E.W.E.F.
16"	1'-3"	6'-6"	6'-6"	1'-10"	#9 @ 12" O.C. E.W.E.F.
NOT OR 12"	1'-2"	6'-3"	6'-3"	1'-6"	#7 @ 12" O.C. E.W.E.F.
6" OR 8"	1'-0"	4'-0"	4'-0"	1'-0"	#6 @ 12" O.C. E.W.E.F.

TEST PRESSURE: 250 P.S.I.
SOIL BEARING PRESSURES: 2500 P.S.F.

NOTE:
TERMINATION DETAIL FOR LARGER DIAMETER PIPE SHALL BE DETERMINED FOR EACH PROJECT.

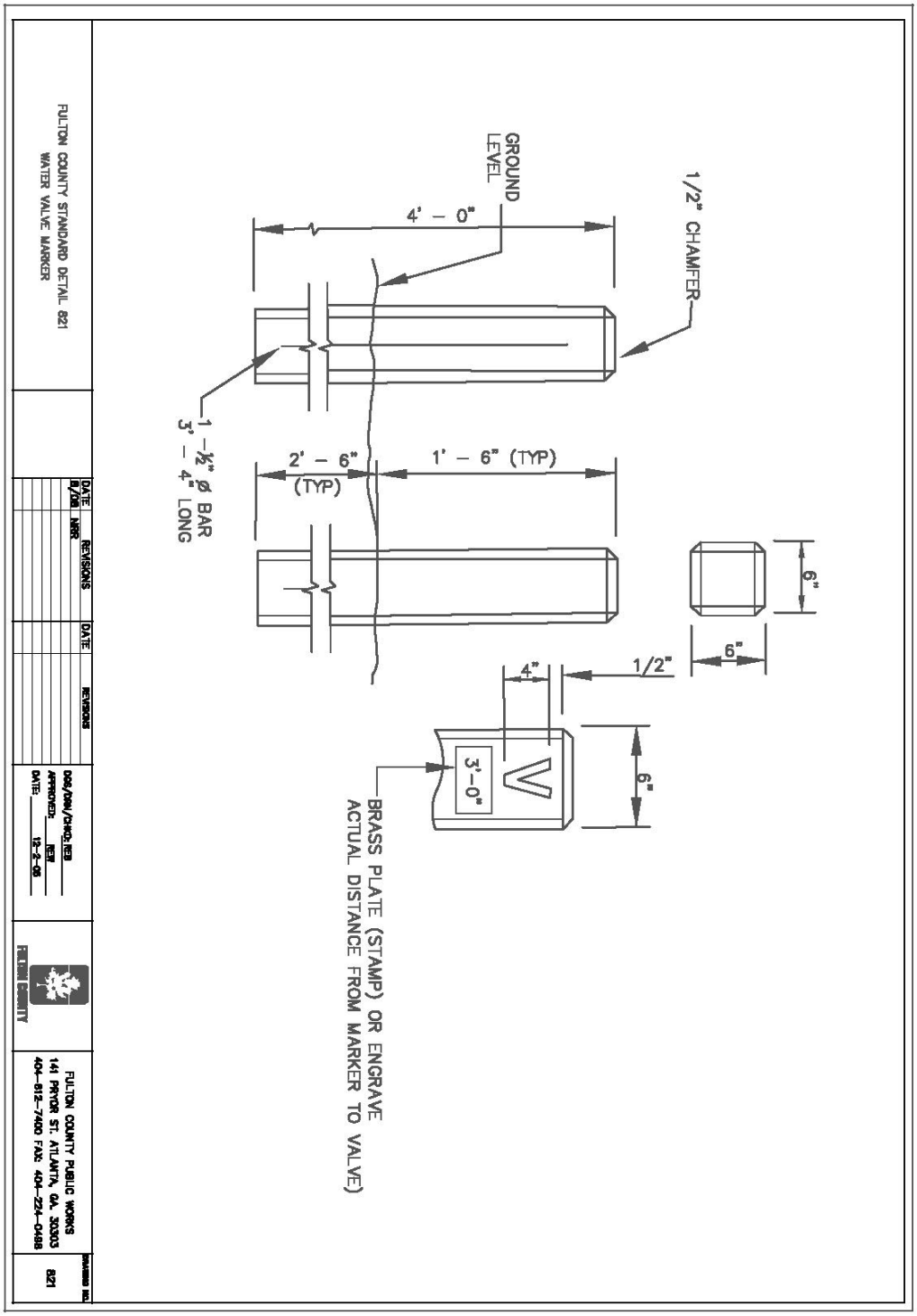
FULTON COUNTY STANDARD DETAIL 820
WATER MAIN TERMINATION

DATE	REVISIONS	DATE	REVISIONS
8/06	MRR		

DSR/DRN/CHKD: MED
APPROVED: REW
DATE: 12-3-05

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0488

DRAWING NO. 820


GROUND LEVEL
4' – 0"
1/2" CHAMFER
1 – ½" ø BAR
3' – 4" LONG
2' – 6" (TYP)
1' – 6" (TYP)
6"
6"
4"
1/2"
3'–0"
6"
BRASS PLATE (STAMP) OR ENGRAVE
ACTUAL DISTANCE FROM MARKER TO VALVE)
FULTON COUNTY STANDARD DETAIL 821
WATER VALVE MARKER
DATE
REVISIONS
DATE
REVISIONS
DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-06
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-812-7400 FAX: 404-224-0488
821

1. TYPE I VAULT SHALL BE USED FOR 3,4,6 OR 8-INCH DOUBLE DETECTOR CHECK BACKFLOW PREVENTER FOR USE WITH 1, 1-½ AND 2-INCH METER.
2. SEE SPECIFICATION SECTION 02665 FOR MATERIAL SPECIFICATIONS. ALL MATERIAL TO BE FURNISHED BY CONTRACTOR.
3. ALL FITTING SHALL BE DUCTILE IRON WITH FLANGED JOINTS. GATE VALVES SHALL BE OUTSIDE STEM AND YOKE (OSY) WITH HANDWHEEL.
4. VAULT SHALL BE PRECAST CONCRETE. MIN. INSIDE HEIGHT SHALL BE 6 FEET. LOAD BEARING VAULT SHALL BE DESIGNED BY PROPERTY OWNER'S ENGINEER, AND SUBMITTED TO COUNTY FOR APPROVAL.
5. ACCESS HATCH/FLOOR DOOR SHALL BE MIN. 36" X 36".
6. VAULT FLOOR SHALL BE # 57 CRUSHED STONE, MIN. 6-INCHES THICK.
7. PROVIDE CONCRETE PIER UNDER BFP 12" X 12" X 18" HIGH.
8. PROVIDE RETAINER GLAND ON PIPE BEYOND VAULT WALLS. PROVIDE TWO TIE RODS FROM FIRST INTERIOR FLANGE TO RETAINER GLANDS, WITH DOUBLE NUTS AND WASHERS. ENCASE RETAINER GLANDS IN CONCRETE. ALSO, PROVIDE TIE RODS FROM RETAINER GLAND TO TAPPING VALVE OR CASING UNDER ROAD, WHICH-EVER IS CLOSER. RODS SHALL BE PROVIDED WITH BITUMASTIC COATING.
9. VAULT WALL OPENINGS SHALL BE SEALED WITH NON-SHRINK GROUT. ENSURE 1-INCH CLEARANCE BETWEEN TOP OF PIPE AND PRECAST WALL.
10. MANHOLE STEPS SHALL BE DOWELLED INTO VAULT WALL AND CENTERED ON ACCESS HATCH.

FULTON COUNTY STANDARD DETAIL 822
FIRE LINE VAULT–TYPE I

DATE	REVISIONS	DATE	REVISIONS
6/XX	NRR		

DGS/DRN/CHKD: RSB
APPROVED: RCM
DATE: 12-3-08

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0486

822

ASSUMPTIONS FOR STANDARD LENGTHS

PIPE: DUCTILE IRON, AWWA C-151
SOIL: GC & SC. CLAYEY GRAVELS, CLAYEY SANDS, GRAVEL-SAND-CLAY MIXTURES, SAND-CLAY MIXTURES.
AVERAGE DEPTH OF BURY: 4 FT
TRENCH TYPE: 4
TEST PRESSURE: 250 PSI
SAFETY FACTOR: 1.5:1 (BASED ON TEST PRESSURE)

NOTES:

1. A FULL LENGTH OF PIPE ATTACHED TO EACH SIDE RUN OR BRANCH OUTLET SHALL BE INSTALLED, NO CUT OR PIECE OF PIPE SHALL BE USED.
2. WHERE FILL DIRT HAS BEEN ADDED TO SHOULDER, DEADMAN WILL BE INSTALLED 10 FT, FROM ANY BRANCH OUTLET OR END PIPE.
3. ALL JOINTS THAT FALL WITHIN THESE STANDARD LENGTH SHOULD BE RESTRAINED. (ON EACH SIDE OF BENDS ON THE BRANCH OUTLET OF TEES, AND BEFORE DEAD-ENDS).
4. STANDARD LENGTHS SHALL BE MODIFIED IF ACTUAL CONDITIONS DO NOT MEET MINIMUM REQUIREMENTS IN "ASSUMPTIONS FOR STANDARD LENGTHS".

RECOMMENDED RESTRAINED LENGTHS OF DUCTILE IRON PIPE

NOM. PIPE SIZE (IN)	90 DEG. BEND	45 DEG. BEND	22.5 DEG. BEND	11.25 DEG. BEND	SIZE ON SIZE TEE*	VALVE/ DEAD-END
6	19 FT	8 FT	4 FT	2 FT	3 FT	35 FT
8	25 FT	11 FT	5 FT	3 FT	13 FT	46 FT
10	30 FT	13 FT	6 FT	3 FT	23 FT	56 FT
12	36 FT	15 FT	7 FT	4 FT	34 FT	67 FT
14	41 FT	17 FT	8 FT	4 FT	43 FT	77 FT
16	46 FT	19 FT	9 FT	5 FT	53 FT	87 FT
18	51 FT	21 FT	10 FT	5 FT	63 FT	96 FT
20	56 FT	23 FT	11 FT	6 FT	72 FT	106 FT
24	65 FT	27 FT	13 FT	7 FT	91 FT	128 FT

*RECOMMENDED RESTRAINED LENGTHS FOR TEES ARE FOR THE BRANCH OUTLET AND ASSUME A MINIMUM 10 FT. SECTION OF PIPE ATTACHED TO EACH SIDE OF THE RUN. RESTRAINT DEVICES SHOULD ALSO BE INSTALLED ON BOTH RUN JOINTS OF THE TEE ITSELF.

FULTON COUNTY STANDARD DETAIL 823
RESTRAINED JOINT PIPE STANDARD LENGTHS

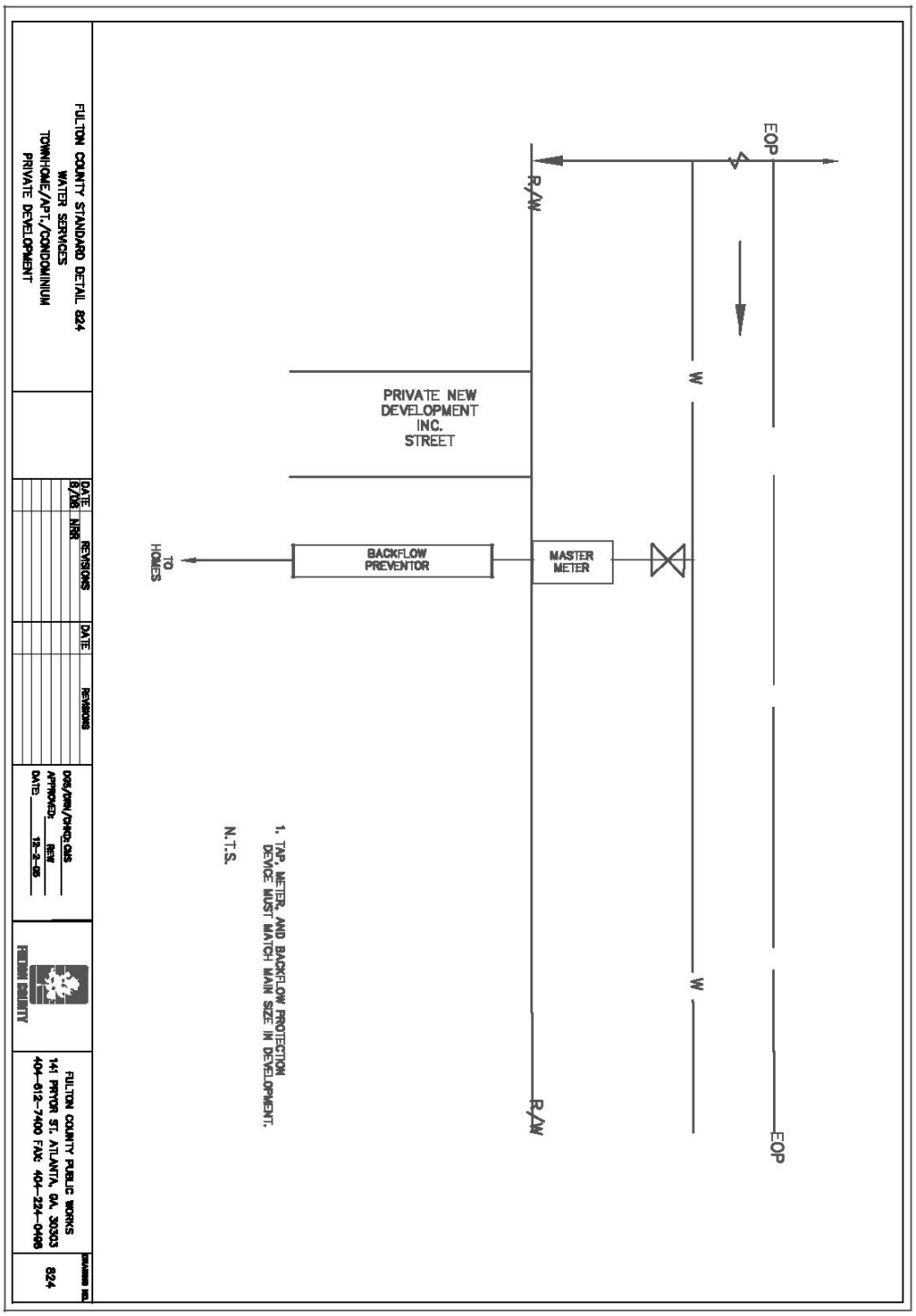
DATE	REVISIONS	DATE	REVISIONS
8/08	NRR		

DGS/DRN/CHKD: REB
APPROVED: REW
DATE: 12-2-05

FULTON COUNTY

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0498

DRAWING NO. 823


EOP
R/W
W
PRIVATE NEW
DEVELOPMENT
INC.
STREET
BACKFLOW
PREVENTOR
MASTER
METER
TO
HOMES
W
R/W
EOP
1. TAP, METER, AND BACKFLOW PROTECTION
DEVICE MUST MATCH MAIN SIZE IN DEVELOPMENT.
N.T.S.
FULTON COUNTY STANDARD DETAIL 824
WATER SERVICES
TOWNHOME/APT./CONDOMINIUM
PRIVATE DEVELOPMENT
DATE
6/06
NRR
REVISIONS
DATE
REVISIONS
DGN/DRN/CHKD: CMS
APPROVED: REW
DATE: 12-2-05
FULTON COUNTY
FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7400 FAX: 404-224-0488
DRAWING NO.
824

1. TYPE I VAULT SHALL BE USED FOR 3,4,6 OR 8-INCH FM METER.
2. SEE SPECIFICATION SECTION 02665 FOR MATERIAL SPECIFICATIONS. ALL MATERIAL TO BE FURNISHED BY CONTRACTOR.
3. ALL FITTINGS SHALL BE DUCTILE IRON WITH FLANGED JOINTS. GATE VALVES SHALL BE WITH HANDWHEELS.
4. VAULT SHALL BE PRECAST CONCRETE. MIN. INSIDE HEIGHT SHALL BE 6 FEET. LOAD BEARING VAULT SHALL BE DESIGNED BY PROPERTY OWNERS ENGINEER, AND SUBMITTED TO COUNTY FOR APPROVAL.
5. ACCESS HATCH/FLOOR DOOR SHALL BE MIN. 36"X36" (BILCO MODEL PCM-5) FOR 3 & 4-INCH METERS OR 54"X54" (BILCO MODEL PDCM-3) FOR 6 & 8-INCH METERS.
6. VAULT FLOOR SHALL BE # 57 CRUSHED STONE, MIN. 6-INCHES THICK.
7. PROVIDE RETAINER GLAND ON PIPE BEYOND VAULT WALLS. PROVIDE TWO TIE RODS FROM FIRST INTERIOR FLANGE TO RETAINER GLANDS, WITH DOUBLE NUTS AND WASHERS. ENCASE RETAINER GLANDS IN CONCRETE. ALSO, PROVIDE TIE RODS FROM RETAINER GLAND TO TAPPING VALVE OR CASING UNDER ROAD, WHICH-EVER IS CLOSER. RODS SHALL BE PROVIDED WITH BITUMASTIC COATING.
8. VAULT WALL OPENINGS SHALL BE SEALED WITH NON-SHRINK GROUT. ENSURE 1-INCH CLEARANCE BETWEEN TOP OF PIPE AND PRECAST WALL.
9. MANHOLE STEPS SHALL BE DOWELLED INTO VAULT WALL AND CENTERED ON ACCESS HATCH.

FM METER

METER SIZE	6" & 8"	3" & 4"
VAULT INTERIOR DIMENSION	12' X 6'	9' X 5'

Rev. June 1, 2011
Rev. August 1, 2011
Rev. August 1, 2012

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

Section 150—Traffic Control

150.01 GENERAL

This section as supplemented by the Plans, Specifications, and Manual on Uniform Traffic Control Devices (MUTCD) shall be considered the Temporary Traffic Control (TTC) Plan. Activities shall consist of furnishing, installing, maintaining, and removing necessary traffic signs, pedestrian signs, barricades, lights, signals, cones, pavement markings and other traffic control devices and shall include flagging and other means for guidance and protection of vehicular and pedestrian traffic through the Work Zone. This Work shall include both maintaining existing devices and installing additional devices as necessary in construction work zones.

When any provisions of this Specification or the Plans do not meet the minimum requirements of the MUTCD, the MUTCD shall control. The 2009 Edition of the MUTCD shall be in effect for the duration of the project.

The needs and control of all road users (motorists, bicyclists and pedestrians within the highway right-of-way and easements, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA), Title II, Paragraph 35.130) through a Temporary Traffic Control (TTC) zone shall be an essential part of highway construction, utility work, maintenance operations and management of traffic incidents.

The Worksite Traffic Control Supervisor (WTCS) shall have a copy of Part VI of the MUTCD and the Contract on the job site. Copies of the current MUTCD may be obtained from the FHWA web page at http://mutcd.fhwa.dot.gov.

A. WORKER SAFETY APPAREL

All workers, including emergency responders, within the right-of-way who are exposed either to traffic (vehicles using the highway for purpose of travel) or to work vehicles and construction equipment within the TTC zone shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled "American National Standard for High-Visibility Safety Apparel and Headwear", or equivalent revisions, and labeled as meeting the ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Emergency and incident responders and law enforcement personnel within the TTC zone may wear high-visibility safety apparel that meets the

performance requirements of the ANSI/ISEA 207-2006 publication entitled "American National Standard for High-Visibility Public Safety Vests", or equivalent revisions, and labeled as ANSI 207-2006, in lieu of ANSI/ISEA 107-2004 apparel. Firefighters or other emergency responders working within the right-of-way and engaged in emergency operations that directly expose them to flame, fire, heat, and/or hazardous material may wear retroreflective turn-out gear that is specified and regulated by other organizations, such as the National Fire Protection Association.

B. WORKSITE TRAFFIC CONTROL SUPERVISOR

ALL HIGHWAYS (ADDITIONAL REQUIREMENTS BELOW FOR INTERSTATES): The Contractor shall designate a qualified individual as the Worksite Traffic Control Supervisor (WTCS) who shall be responsible for selecting, installing and maintaining all traffic control devices in accordance with the Plans, Specifications, Special Provisions and the MUTCD. A written resume documenting the experience and credentials of the WTCS shall be submitted and accepted by the Engineer prior to beginning any work that involves traffic control. The WTCS shall be available on a twenty-four (24) hour basis to perform his duties. If the work requires traffic control activities to be performed during the daylight and nighttime hours it may be necessary for the Contractor to designate an alternate WTCS. An alternate WTCS must meet the same requirements and qualifications as the primary WTCS and be accepted by the Engineer prior to beginning any traffic control duties. The Worksite Traffic Control Supervisor's traffic control responsibilities shall have priority over all other assigned duties.

As the representative of the Contractor, the WTCS shall have full authority to act on behalf of the Contractor in administering the TTC Plan. The WTCS shall have appropriate training in safe traffic control practices in accordance with Part VI of the MUTCD. In addition to the WTCS all other individuals making decisions regarding traffic control shall meet the training requirements of the Part VI of the MUTCD.
The WTCS shall supervise the initial installation of traffic control devices. The Engineer prior to the beginning of construction will review the initial installation. Modifications to traffic control devices as required by sequence of operations or staged construction shall be reviewed by the WTCS.

The WTCS shall be available on a full-time basis to maintain traffic control devices with access to all personnel, materials, and equipment necessary to respond effectively to an emergency situation within forty-five (45) minutes of notification of the emergency.

The WTCS shall regularly perform inspections to ensure that traffic control is maintained. Unless modified by the special conditions or by the Engineer, routine deficiencies shall be corrected within a twenty-four (24) hour period. Failure to comply with these provisions shall be grounds for dismissal from the duties of WTCS and/or removal of the WTCS from the project. Failure of the WTCS to execute his duties shall be considered as non-performance under Subsection 150.08.

The Engineer will periodically review the work for compliance with the requirements of the TTC plan.

On projects where traffic control duties will not require full time supervision, the Engineer may allow the Contractor's Project Superintendent to serve as the WTCS as long as satisfactory results are obtained.

CERTIFIED WORKSITE TRAFFIC CONTROL SUPERVISOR

ADDITIONAL REQUIREMENTS FOR INTERSTATE AND LIMITED ACCESS HIGHWAYS: In addition to the requirements above, the WTCS shall have a minimum of one year's experience directly related to work site traffic control in a supervisory or responsible capacity. The WTCS shall be currently certified by the American Traffic Safety Services Association (ATSSA) Work Site Traffic Supervisor Certification program or the National Safety Council Certification program.

Any work performed on the interstate or limited access highway right-of-way that requires traffic control shall be supervised by the Certified Worksite Traffic Control Supervisor. No work requiring traffic control shall be performed unless the certified WTCS is on the worksite. Failure to maintain a Certified Worksite Traffic Control Supervisor on the work will be considered as non-performance under Subsection 150.08.

The WTCS shall perform, as a minimum, weekly traffic control inspections on all interstate and limited access highways. The inspection shall be reported to the Engineer on a TC-1 report. The Engineer will furnish a blank copy of the TC-1 report to the Contractor prior to the beginning of any work on the interstate or limited access right-of-way.

C. TRAFFIC CONTROL DEVICES

All traffic control devices used during the construction of a project shall meet the Standards utilized in the MUTCD, and shall comply with the requirements of these Specifications, Project Plans, and Special Provisions. All devices shall be tested at NCHRP Test Level III. Reference is made to Subsections 104.05, 107.07, and 107.09.

D. REFLECTORIZATION REQUIREMENTS

All rigid fluorescent orange construction warning signs (black on fluorescent orange) shall meet the reflectorization and color requirements of ASTM Type VII, VIII, IX or X regardless of the mounting height.

Portable signs which have flexible sign blanks shall meet the reflectorization and color requirements of ASTM Type VI.

Warning signs (W3-1a) for stop conditions that have rumble strips located in the travelway shall be reflectorized with ASTM Type IX fluorescent yellow sheeting.

All other signs shall meet the requirements of ASTM Type III or IV except for "Pass With Care" and "Do Not Pass" signs which may be ASTM Type I unless otherwise specified.

CHANNELIZATION DEVICES: Channelization devices shall meet the requirements of ASTM Type III or IV high intensity sheeting.

E. IMPLEMENTATION REQUIREMENTS

No work shall be started on any project phase until the appropriate traffic control devices have been placed in accordance with the Project requirements. Changes to traffic flow shall not commence unless all labor, materials, and equipment necessary to make the changes are available on the Project.

When any shift or change is made to the location of traffic or to the flow patterns of traffic, including pedestrian traffic, the permanent safety features shall be installed and fully operational before making the change. If staging or site conditions prevent the installation of permanent features then the equivalent interim devices shall be utilized. This work shall also include any necessary removal and reinstallation of guardrail panels to achieve the required panel lap to accommodate the appropriate shift and traffic flow including the final traffic flow configuration (The cost of performing this work shall be included in Traffic Control-Lump Sum).

Any section of the work that is on new location shall have all permanent safety features installed and fully operational before the work is opened to traffic. Safety features shall include but are not limited to the following items:

1. Guardrail including anchors and delineation with properly lapped panels
2. Impact attenuators
3. Traffic signals
4. Warning devices
5. Pavement markings including words, symbols, stop bars, and crosswalks
6. Roadway signs including regulatory, warning, and guide

Outdoor lighting shall be considered as a safety feature for welcome centers, rest areas, and weigh station projects. For typical roadway type projects new street lighting is not considered a safety feature unless specifically noted in the plans or in the special conditions.

F. MAINTENANCE OF TRAFFIC CONTROL DEVICES

Traffic control devices shall be in acceptable condition when first erected on the project and shall be maintained in accordance with Subsection 104.05 throughout the construction period. All unacceptable traffic control devices shall be replaced within 24 hours. When not in use, all traffic control devices shall be removed, placed or covered so as not to be visible to traffic. All construction warning signs shall be removed within seven calendar days after time charges are stopped or pay items are complete. If traffic control devices are left in place for more than ten days after completion of the Work, the Department shall have the right to remove such devices, claim possession thereof, and deduct the cost of such removal from any monies due, or which may become due, the Contractor.

G. TRAFFIC INTERRUPTION RESTRICTIONS

The Department reserves the right to restrict construction operations when, in the opinion of the Engineer, the continuance of the Work would seriously hinder traffic flow, be needlessly disruptive or unnecessarily inconvenience the traveling public. The Contractor shall suspend and/or reschedule any work when the Engineer deems that conditions are unfavorable for continuing the Work.

Advanced notification requirements to the Contractor to suspend work will be according to the events and the time restrictions outlined below:

Incident management	No advanced notice required
Threatening/Inclement weather	24 hours
Holidays. sporting events, unfavorable conditions	Three (3) calendar days

If the work is suspended, the Contractor may submit a request for additional contract time as allowed under Section 108. The Department will review the request and may grant additional contract time as justified by the impact to the Contractor's schedule. Compensation for loss of productivity, rescheduling of crews, rental of equipment or delays to the Contractor's schedule will not be considered for payment. Additional contract time will be the only consideration granted to the Contractor.

H. SEQUENCE OF OPERATIONS

Any Sequence of Operations provided in this Contract in conjunction with any staging details which may be shown in the plans, is a suggested sequence for performing the Work. It is intended as a general staging plan for the orderly execution of the work while minimizing the impact on pedestrian facilities, mainline, cross-streets and side streets. The Contractor shall develop detailed staging and temporary traffic control plans for performing specific areas of the Work including but not limited to all traffic shifts, detours, bridge widenings, paces, or other activities that disrupt traffic or pedestrian flow. The Engineer may require detailed staging and TTC plans for lane closures or disruption to pedestrian facilities. These plans shall be submitted for approval at least two weeks prior to the scheduled date of the activity. Activities that have not been approved at least seven (7) days prior to the scheduled date shall be rescheduled.

Where traffic is permitted through the work area under stage construction, the Contractor may choose to construct, at no additional expense to the Department, temporary on-site bypasses or detours in order to expedite the work. Plans for such temporary bypasses or detours shall be submitted to the Engineer for review and approval 30 calendar days prior to the proposed construction. Such bypasses or detours shall be removed promptly when in the opinion of the Engineer; they are not longer necessary for the satisfactory progress of the Work. Bypasses and detours shall meet the minimum requirements of Subsection 150.02.B.4.

As an option to the Sequence of Operations in the Contract, the Contractor may submit an alternative Sequence of Operations for review and approval. Alternate Sequence of Operations for pedestrian facilities shall be in compliance with the MUTCD and ADA. Pedestrian needs identified in the preconstruction phase shall be included in the proposed alternate plan.

The Department will not pay, or in any way reimburse the Contractor for claims arising from the Contractor's inability to perform the Work in accordance with the Sequence of Operations provided in the Contract or from an approved Contractor alternate.

The Contractor shall secure the Engineer's approval of the Contractor's proposed plan of operation, sequence of work and methods of providing for the safe passage of vehicular and pedestrian traffic before it is placed in operation. The proposed plan of operation shall supplement the approved traffic control plan. Any major changes to the approved TTC plan, proposed by the Contractor, shall be submitted to the Department for approval.

Some additional traffic control details will be required prior to any major shifts or changes in traffic. The traffic control details shall include, but not be limited to, the following:

1. A detailed drawing showing traffic locations and laneage for each step of the change.

2. The location, size, and message of all signs required by the MUTCD, Plan, Special Provisions, and other signs as required to fit conditions. Any portable changeable message signs used shall be included in the details.

3. The method to be used in, and the limits of, the obliteration of conflicting lines and markings.

4. Type, location, and extent of new lines and markings.

5. Horizontal and vertical alignment and superelevation rates for detours, including cross-section and profile grades along each edge of existing pavement.

6. Drainage details for temporary and permanent alignments.

7. Location, length, and/or spacing of channelization and protective devices (temporary barrier, guardrail, barricades, etc.)

8. Starting time, duration and date of planned change.

9. For each traffic shift, a paving plan, erection plan, or work site plan, as appropriate, detailing workforce, materials, and equipment necessary to accomplish the proposed work. This will be the minimum resource allocation required in order to start the work.

   A minimum of three copies of the above details shall be submitted to the Engineer for approval at least 14 days prior to the anticipated traffic shift. The Contractor shall have traffic control details for a traffic shift which has been approved by the Engineer prior to commencement of the physical shift. All preparatory work relative to the traffic shift, which does not interfere with traffic, shall be accomplished prior to the designated starting time. The Engineer and the Contractor's representative will verify that all conditions have been met prior to the Contractor obtaining materials for the actual traffic shift.

150.02 TEMPORARY TRAFFIC CONTROL (TTC) ZONES:

A. DEVICES AND MATERIALS:

In addition to the other provisions contained herein, work zone traffic control shall be accomplished using the following means and materials:

1. Portable Advance Warning Signs

Portable advance warning signs shall be utilized as per the requirements of the temporary traffic control plans. All signs shall meet the requirements of the MUTCD and shall be NCHRP 350 crashworthy compliant.

2. Arrow Panels

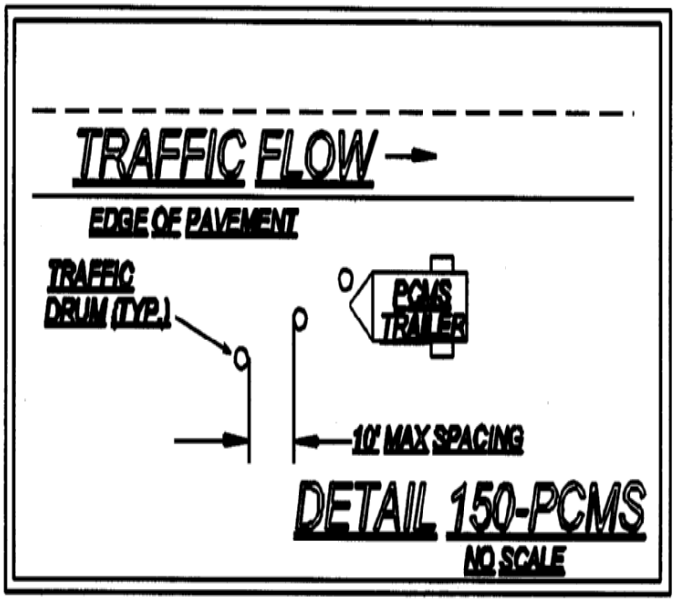
Portable sequential or flashing arrow panels as shown in the Plans or Specifications for use on Interstate or multi-lane highway lane closure only, shall be a minimum size of 48″ high by 96″ wide with not less than 15 lamps used for the arrow. The arrow shall occupy virtually the entire size of the arrow panel and shall have a minimum legibility distance of one mile. The minimum legibility distance is that distance at which the arrow panel can be comprehended by an observer on a sunny day, or clear night. Arrow panels shall be equipped with automatic dimming features for use during hours of darkness. The arrow panels shall also meet the requirements for a Type C panel as shown in the MUTCD. The sequential or flashing arrow panels shall not be used for lane closure on two-lane, two-way highways when traffic is restricted to one-lane operations in which case, appropriate signing, flaggers and when required, pilot vehicles will be deemed sufficient.

The sequential or flashing arrow panels shall be placed on the shoulder at or near the point where the lane closing transition begins. The panels shall be mounted on a vehicle, trailer, or other suitable support. Vehicle mounted panels shall be provided with remote controls. Minimum mounting height shall be seven feet above the roadway to the bottom of the panel, except on vehicle mounted panels which should be as high as practical.

For emergency situations, arrow display panels that meet the MUTCD requirements for Type A or Type B panels may be used until Type C panels can be located and placed at the site. The use of Type A and Type B panels shall be held to the minimum length of time possible before having the Type C panel(s) in operation. The Engineer shall determine when conditions and circumstances are considered to be emergencies. The Contractor shall notify the Engineer, in writing, when any non-specification arrow display panel(s) is being used in the work.

3. Portable Changeable Message Signs

Portable changeable message signs meeting the requirements of Section 632 and the MUTCD. Any PCMS in use that is not protected by positive barrier protection shall be delineated by a minimum of three drums that meet the requirement of Section 150.05.A.1. The drum spacing shall not exceed a maximum of ten (10′) feet as shown in Detail 150-PCMS. When the PCMS is within twenty (20′) feet of the opposing traffic flow, the trailing end of the PCMS shall be delineated with a minimum of three drums spaced in the same manner as the approach side of the PCMS.



When not in use the PCMS shall be removed from the roadway unless protected by positive barrier protection. If the PCMS is protected by positive barrier protection the sign panel shall be turned away from traffic when not in use.

4. Channelization Devices

Channelization devices shall meet the standards of the MUTCD and Subsection 150.05.

5. Temporary Barrier

Temporary barrier shall meet the requirements of Section 622.

6. Temporary Traffic Signals

Temporary traffic signals shall meet the requirements of Section 647 and the MUTCD.

7. Pavement Marking

Pavement marking incorporated into the work shall comply with Subsections 150.04.A and 150.04.B.

8. Portable Temporary Traffic Control Signals

The use of Portable Temporary Traffic Control Signals shall meet the following minimum requirements:

Only two-lane two-way roadways will be allowed to utilize Portable Temporary Traffic Control Signals.

All portable traffic control signals shall meet the physical display and operational requirements of conventional traffic signals described in the MUTCD.

Each signal face shall have at least three lenses. The lenses shall be red, yellow, or green in color and shall give a circular type of indication. All lenses shall be twelve (12″) inches nominal in diameter.

A minimum of two signal faces shall face each direction of traffic. A minimum of one signal head shall be suspended over the roadway travel lane in a manner that will allow the bottom of the signal head housing to be not less than seventeen (17′) feet above and not more than nineteen (19′) feet above the pavement grade at the center of the travel lane. The second signal head may be located over the travel lane with the same height requirements or the second signal head may be located on the shoulder. When the signal head is located on the shoulder the bottom of the signal head housing shall be at least eight (8′) feet but not more than (15′) feet above the pavement grade at the center of highway.

Advance warning signage and appropriate pavement markings shall be installed as part of the temporary signal operation.

The signals shall be operated in a manner consistent with traffic requirements. The signals may be operated in timed-mode or in a vehicle-actuated mode. The signals shall be interconnected in a manner to ensure that conflicting movements can not occur. To assure that the appropriate operating pattern including timing is displayed to the traveling public, regular inspections including the use of accurate timing devices shall be made by the Worksite Traffic Control Supervisor. If at any time any part of the system fails to operate within these requirements then the use of the signal shall be suspended and the appropriate flagging operation shall begin immediately.

The Worksite Traffic Control Supervisor (WTCS) shall continuously monitor the portable traffic control signal to insure compliance with the requirements for maintenance under the MUTCD. The signal shall be maintained in a manner consistent with the intention of the MUTCD, with emphasis on cleaning of the optical system. Timing changes shall be made only by the WTCS. The WTCS shall keep a written record of all timing changes.

The portable temporary signal shall have two power sources and shall be capable of running for seven calendar days continuously.

The Contractor shall have an alternate temporary traffic control plan in the event of failure of the signal.

9. RUMBLE STRIPS

Rumble strips incorporated into the work shall meet the requirements of Section 429 and the MUTCD. Existing rumble strips that are positioned in the traveled way to warn traffic of a stop condition shall be reinstalled based on the following requirements:

INTERMEDIATE SURFACES: Intermediate surfaces that will be in use for more than forty-five (45) calendar days shall have rumble strips reinstalled on the traveled way in the area of a stop condition. Non-refundable deductions in accordance with Subsection 150.08 will be assessed for any intermediate surface in place for greater than 45 days without rumble strips.

FINAL SURFACES: Rumble strips shall be installed on the final surface within fourteen (14) calendar days of the placement of the final surface in the area of the stop condition. Failure to install within fourteen (14) calendar days will result in assessment of non-refundable deductions in accordance with Subsection 150.08.

Prior to the removal of any rumble strips located in the travelway, stop ahead (W3-1a) warning signs shall be double indicated ahead of the stop condition. These warning signs shall be a minimum of 48 inches by 48 inches. The reflectorization of the warning signs shall be as required by Subsection 150.01.D. These warning signs shall remain in place until the rumble strips have been reinstalled on the traveled way. Any existing warning signs for the stop ahead condition shall be removed or covered while the 48″ X 48″ (W3-1a) signs are in place. When the rumble strips have been reinstalled these warning signs should be promptly removed and any existing signage placed back in service.

10. GUARDRAIL: When the removal and installation of guardrail is required as a part of the work the following time restrictions shall apply unless modified by the special conditions:

MULTI-LANE HIGHWAYS: From the time that the existing guardrail or temporary positive barrier protection is removed the Contractor has fourteen (14) calendar days to install the new guardrail and anchors. During the interim, the location without guardrail shall be protected with drums spaced at a maximum spacing of twenty (20′) feet. The maximum length of rail that can be removed at any time without being replaced with positive barrier protection is a total of 2000 linear feet of existing rail or the total length of one run of existing rail, whichever is less.

ALL OTHER HIGHWAYS: From the time that the existing guardrail is removed or from the time that temporary positive barrier protection is removed the Contractor has thirty (30) calendar days to install the new guardrail and anchors. During the interim, the location without guardrail shall be protected with drums spaced at a maximum spacing of twenty (20′) feet. The maximum length of rail that can be removed at any time without being replaced with positive barrier protection is a total of 1000 linear feet of existing rail or the total length of one run of existing rail, whichever is less.

Based on existing field conditions, the Engineer may review the work and require that the guardrail be installed earlier than the maximum time allowed above by giving written notification to the Contractor via the TC-1 traffic control report.

ALL HIGHWAYS: The contractor shall install new guardrail such that traffic exposure to fixed objects is minimized. Within the same work day, temporary attenuators, as defined in Subsection 150.05.B, should be installed on the approach to fixed objects that can't be protected with guardrail. Truck mounted attenuators may be used to shield exposed fixed objects for periods not to exceed forty-eight (48) hours. No separate payment will be made for truck mounted attenuators.

When the roadway is open to traffic, guardrail panels shall be lapped to comply with the directional flow of traffic. Should the staging of the work require that the lap of the guardrail be changed, this work shall be completed before the roadway is opened to traffic. The work to change the lap of any guardrail shall be included in Traffic Control-Lump Sum.

Failure to comply with the above time and quantity restrictions shall be considered as non-compliance under Subsection 150.08.

11. STOP SIGN REGULATED INTERSECTIONS: For intersections that utilize stop sign(s) to control the flow of traffic and to restrict the movement of vehicles, the stop sign(s) shall be maintained for the duration of the work or until such time that the stop condition is eliminated or until an interim or permanent traffic signal can be installed to provide proper traffic control. The traffic signal shall be installed and properly functioning before the removal of the existing stop sign(s) is permitted. If the existing intersection is enhanced traffic control features such as stop bars, double indicated stop signs, oversized signs, advanced warning stop ahead signs, rumble strips on the approaches or flashing beacons located overhead or on the shoulders then these features shall be maintained for the duration of the project or until the permanent traffic control plan has been implemented.

Whenever the staging of the work requires that the traveled-way be relocated or realigned the Contractor shall reinstall all enhanced traffic control features noted above on the newly constructed sections of the work. The cost of relocating the stop bars, stop signs, advanced warning signs, the rumble strips and the flashing beacons shall be included in the price bid for Lump-Sum-Traffic Control unless individual pay items are included in the contract for rumble strips and/or flashing beacons. When pay items are included in the contract for rumble strips or flashing beacons then these items will be paid per each.

When staging requires the relocation or realignment of an existing stop condition it may be necessary to consider the addition of enhanced traffic control features even though none existed at the original location. Horizontal and vertical alignment changes at a new location may have decreased or restricted sight distance or the stop condition may occur sooner than in the previous alignment. If these conditions occur then the Engineer and/or the WTCS should consider additional measures to enhance the motorist's awareness of the changes even though the staging plans may not address enhanced features. Stop signs should be a minimum of 36 inches for interim situations. The use of 48 inch stop signs may be warranted under project specific conditions. Flags may be used on interim/permanent stop signs that are mounted at seven (7') feet in height for a short duration in order to direct additional attention to a new or relocated stop sign(s). Flags should not be used for durations exceeding two weeks unless unusual or site specify conditions warrant a longer period of time. The use of Type "A" flashing red light(s) attached to the stop sign(s) may be appropriate during the same period that the flags are in use to increase attention.

The use of rumble strips and/or portable changeable message signs may be considered. The use of new rumble strips, where none previously existed, shall have the prior approval of District Traffic Operations before being included as part of the temporary traffic control plan. The message(s) displayed on any PCMS shall have the prior approval of the Engineer and the message(s) shall be included as part of the TTC plan for the interim staging.

The placement of any additional interim ground-mounted signs and posts or stop bars shall be considered as incidental to the price bid for Lump Sum-Traffic Control. The installation of rumble strips, flashing beacons or the use of Portable Changeable Message Signs (PCMS) shall be considered as Extra Work unless pay items are included in the contract.

B. WORK ZONE RESTRICTIONS:

1. Interstate

The Contractor shall not simultaneously perform work on both the inside shoulder and outside shoulder on either direction of traffic flow when the Work is within 12 feet of the travel-way, unless such areas are separated by at least one-half mile of distance.

2. Non-Interstate Divided Highways

The Contractor shall not simultaneously perform work on both the inside shoulder and outside shoulder on either direction of traffic flow when the Work is within 12 feet of the travel-way, unless such areas are separated by at least one-half mile distance in rural areas or at least 500 feet of distance in urban areas.

3. Non-Divided Highways

a. The Contractor shall not simultaneously perform work on opposite sides of the roadway when the work is within 12 feet of the travel-way, unless such areas are separated by at least one-half mile of distance in rural areas or at least 500 feet of distance in urban areas.

b. On two-lane projects where full width sections of the existing subgrade, base or surfacing are to be removed, and new base, subgrade, or surfacing are to be constructed, the Contractor shall maintain one-lane traffic through the construction area by removing and replacing the undesirable material for half the width of the existing roadway at a time. Replacement shall be made such that paving is completed to the level of the existing pavement in the adjacent lane by the end of the workday or before opening all the roadway to traffic.

4. All Highways:

a. There shall be no reduction in the total number of available traffic lanes that existed prior to construction except as specifically allowed by the Contract and as approved by the Engineer.

b. Travelway Clearances: All portions of the work shall maintain the following minimum requirements:

Horizontal: The combined dimensions of the paved shoulder and the roadway surface remaining outside the Work Zone shall be no less than sixteen (16) feet in width at any location.

Vertical: The overhead clearance shall not be reduced to less than fifteen (15) feet at any location.

The restrictions above apply to all shifts, lane closures, on-site detours and off site detours whether shown in the contract or proposed by the Contractor. It shall be the responsibility of the Contractor to verify that these minimum requirements have been met before proceeding with any phase of the Work.

Two-lane two-way roadways may have temporary horizontal restrictions of less than sixteen (16) feet provided a flagger operation for one-way traffic is utilized to restrict access to the work area by over-width loads. The minimum horizontal clearance shall be restored before the flagging operation is removed.

c. Highway Work Zone: All sections or segments of the roadway under construction or reconstruction shall be signed as a Highway Work Zone except non-state highway two-lane two-way resurfacing projects. Two conditions can be applied to a Highway Work Zone. Condition 1 is when no reduction in the existing speed limit is required. Condition 2 is when worksite conditions require a reduction of the speed limit through the designated Work Zone. Properly marking a Highway Work Zone shall include the following minimum requirements:

1. NO REDUCTION IN THE EXISTING POSTED SPEED LIMIT IN HIGHWAY WORK ZONE:

a) Signage (Detail 150-HWZ-1) shall be posted at the beginning point of the Highway Work Zone warning the traveling public that increased penalties for speeding violations are in effect. The HWZ-2 sign shall be placed a minimum of six hundred (600') feet in advance of the Highway Work Zone and shall not be placed more than one thousand (1000') feet in advance of the Work Zone. If no speed reduction is required it is recommended that the HWZ-2 be placed at 750 feet from the work area between the ROAD WORK 500 FT. and the ROAD WORK 1000 FT. signs.

HWZ-2 signs shall be placed at intervals not to exceed one mile for the length of the project. HWZ-2 signs should be placed on the mainline after all major intersections except State Routes. State Routes shall be signed as per the requirements for intersecting roadways below.

b) The existing speed limit shall be posted at the beginning of the Work Zone. Existing Speed Limit signs (R2-1) shall be maintained.

c) INTERSECTING ROADWAYS: Intersecting state routes shall be signed in advance of each intersection with the Work Zone with a HWZ-2 sign to warn motorists that increased fines are in effect. All other intersecting roadways that enter into a designated Highway Work Zone may be signed in advance of each intersection with the Work Zone. When construction equipment and personnel are present in the intersection on the mainline of a multi-lane roadway, the intersecting side roads shall be signed in advance with HWZ-2 signs. As soon as the work operation clears the intersection the signage may be removed.

d) Sign HWZ-3 shall be posted at the end of the Highway Work Zone indicating the end of the zone and indicating that increased penalties for speeding violations are no longer in effect.

e) When a designated Highway Work Zone is no longer necessary all signs shall be removed immediately.

2. REDUCING THE SPEED LIMIT IN A HIGHWAY WORK ZONE:

Highway Work Zone signs shall be posted as required in Condition 1 above.

For limited access (interstate) highways and controlled access multi-lane divided highways the posted speed limit shall be reduced as required below.

Speed Limit signage (R2-1) for the reduced speed limit shall be erected at the beginning of the work zone. Additional signs shall be placed to ensure that the maximum spacing of the reduced speed limit signs shall be no greater than one (1) mile apart. Existing speed limit signs shall be covered or removed. On multi-lane divided highways the speed limit signs shall be double indicated when the reduced speed is in use.

When any one or more of the following conditions exist and the existing speed limit is 65 mph or 70 mph, the speed limit shall be reduced by 10 mph. If the existing speed limit is 60 mph, the speed limit should be reduced by 5 mph. If the existing speed limit is 55 mph or less, the Contractor can only reduce the speed limit with the prior approval of the Engineer. The reduction in the speed limit shall be no greater than 10 mph:

a) Lane closure(s) of any type and any duration.
b) The difference in elevation exceeds two inches adjacent to a travel lane as shown in Subsection 150.06, Detail 150-B, Detail 150-C.
c) Any areas where equipment or workers are within ten feet of a travel lane.
d) Temporary portable concrete barriers located less than two (2') feet from the traveled way.
e) As directed by the Engineer for conditions distinctive to this project.

When the above conditions are not present the speed limit shall be immediately returned to the existing posted speed limit. A speed reduction shall not be put in place for the entire length of the project unless conditions warranting the speed reduction are present for the entire project length. All existing speed limit signs within the temporary speed reduction zone shall be covered or removed while the temporary reduction in the speed limit is in effect. All signs shall be erected to comply with the minimum requirements of the MUTCD.

As a minimum the following records shall be kept by the WTCS:

a) Identify the need for the reduction.
b) Record the time of the installation and removal of the temporary reduction.
c) Fully describe the location and limits of the reduced speed zone.
d) Document any accident that occurs during the time of the reduction.

A copy of the weekly records for reduced speed zones shall be submitted to the Engineer.

Reduced speed zones shall, as a minimum, be signed as per Detail 150-HWZ-1. Interim signs shall meet the requirements of Subsection 150.03 D. Additional signs may be necessary to adjust for actual field conditions.

When a pilot vehicle is used on a two-lane two-way roadway the speed limit should not be reduced. For special conditions specific to the work, on two-lane two-way roadways or multi-lane highways, the contractor may reduce the posted speed limit with the prior approval of the Engineer.

5. MILLED SURFACE RESTRICTIONS:

Unless modified by the special conditions, a milled surface on any asphaltic concrete surface shall not be allowed to remain open to traffic for a period of time that exceeds thirty (30) calendar days.

6. INSTALLATION/REMOVAL OF WORK AREA SIGNAGE:

No payment will be made for Traffic Control-Lump Sum until the Work has actually started on the project. The installation of traffic control signage does not qualify as the start of work. Advanced warning signs shall not be installed until the actual beginning of work activities. Any permanent mount height signs installed as the work is preparing to start shall be covered until all signs are installed unless all signs are installed within seven (7) calendar days after beginning installation.

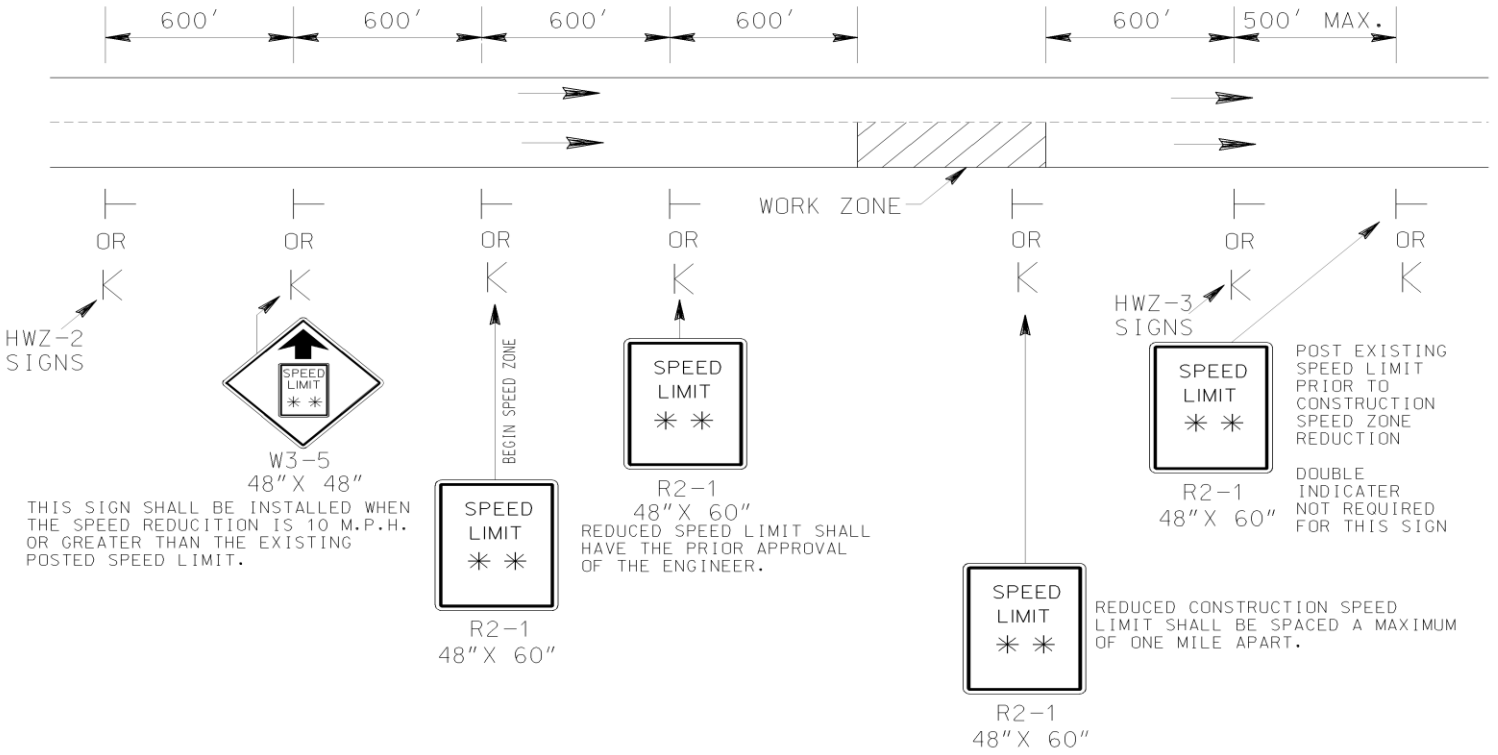
All temporary traffic control devices shall be removed as soon as practical when these devices are no longer needed. When work is suspended for short periods of time, temporary traffic control devices that are no longer appropriate shall be removed or covered.

All construction warning signs shall be removed within seven (7) calendar days after time charges are stopped or pay items are complete. If traffic control devices are left in place for more than ten (10) calendar days after completion of the Work, the Department shall have the right to remove such devices, claim possession thereof, and deduct the cost of such removal from any monies due, or which may become due, the Contractor.

PUNCHLIST WORK: Portable signs shall be utilized to accomplish the completion of all punchlist items. The portable signs shall be removed daily. All permanent mount height signs shall be removed prior to the beginning of the punchlist work except "Low/Soft Shoulder" signs and any signs that have the prior written approval of the Engineer to remain in place while the punchlist work is in progress.

Failure to promptly remove the construction warning signs within the seven (7) calendar days after the completion of the Work or failure to remove or cover signs when work is suspended for short periods of time shall be considered as non-performance under Subsection 150.08.

SPEED LIMIT REDUCTION FOR HIGHWAY WORK ZONE
INTERSTATE AND MULTI-LANE DIVIDED HIGHWAY SIGNING SHALL BE DOUBLE INCICATED (RIGHT SHOULDER AND MEDIAN SHOULDER)

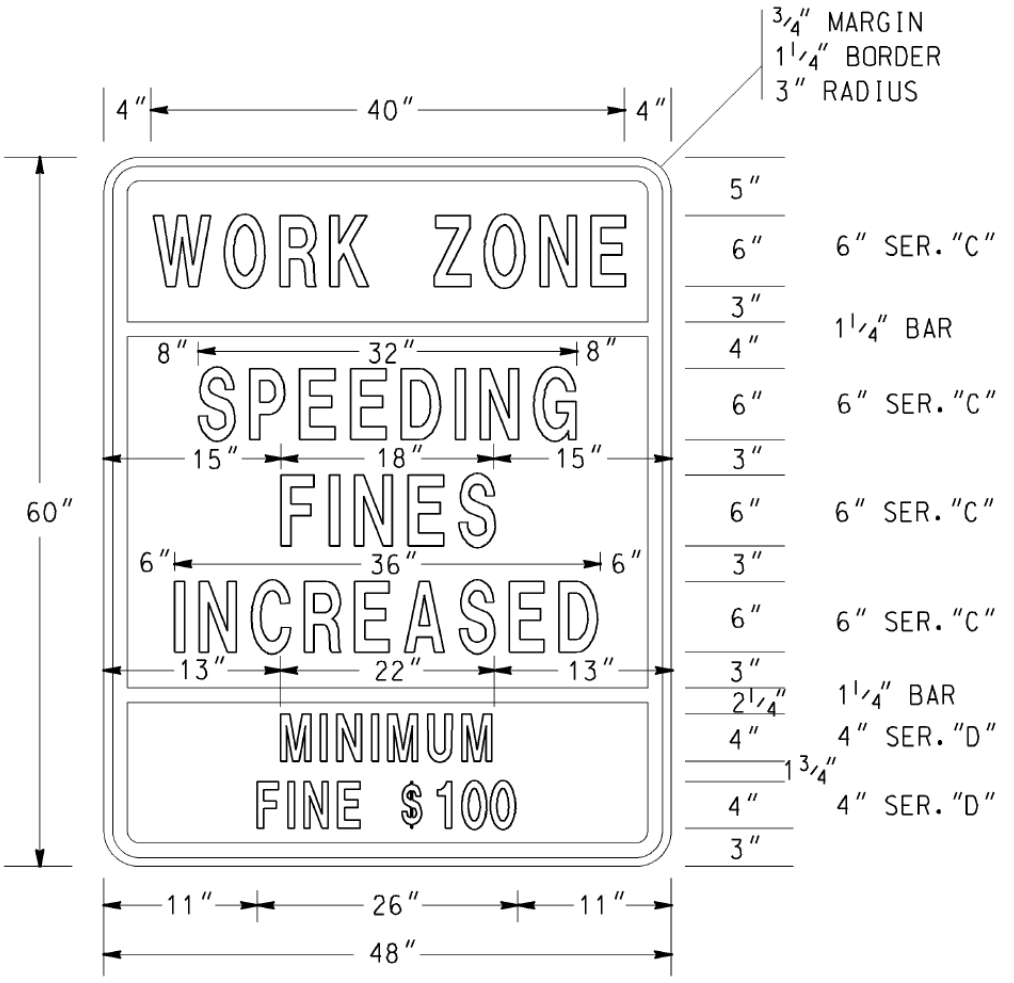


ALL INTERSECTING ROADWAYS SHALL BE SIGNED WITH A HWZ-2 SIGN TO WARN MOTORIST ENTERING THE HIGHWAY WORK ZONE.

INTERSTATE AND MULTI-LANE HIGHWAY SIGNING SHALL BE DOUBLE INDICATED (RIGHT SHOULDER AND MEDIAN SHOULDER).

SIGN SIZES SHOWN ARE FOR INTERSTATE AND MULTI-LANE DIVIDED HIGHWAY. FOR OTHER HIGHWAYS USE STANDARD SIZE SIGNS AS PER THE M.U.T.C.D. EXCEPT HWZ-2 AND HWZ-3 SIGNS.

DETAIL 150-HWZ-1



HWZ-2

COLORS

TOP PANEL

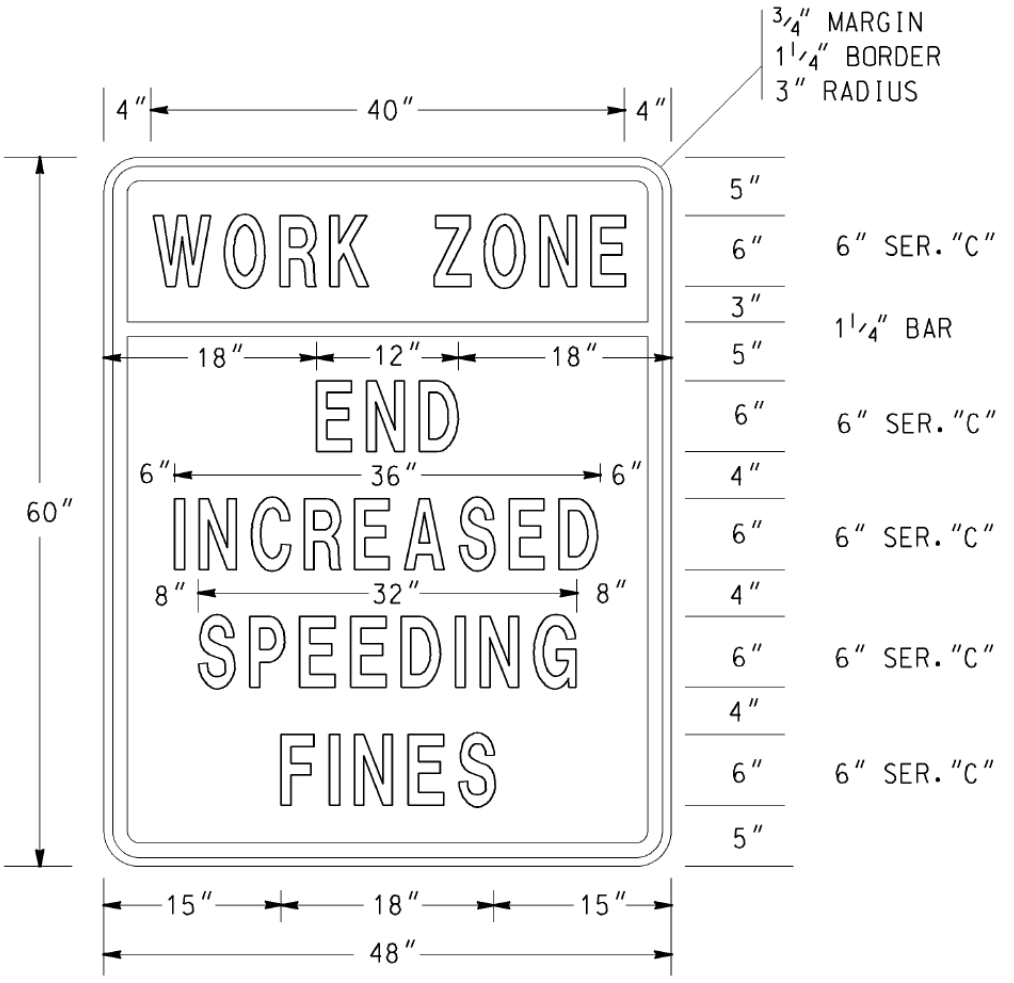
LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - FLUORESENT ORANGE
(ASTM TYPE VII, VIII, IX or X)

MIDDLE & BOTTOM PANELS

LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - WHITE (ASTM TYPE III OR IV REFL SHEETING)

NOTES:

1. ALL HWZ-2 SIGN PANELS SHALL BE RIGID.
2. THE SIZE OF THE HWZ-2 SIGN SHALL NOT BE REDUCED FOR USE ON TWO-LANE ROADWAYS.



HWZ-3

COLORS

TOP PANEL

LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - FLUORESENT ORANGE
(ASTM TYPE VII, VIII, IX or X)

BOTTOM PANEL

LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - WHITE (ASTM TYPE III OR IV REFL SHEETING)

NOTES:

1. ALL HWZ-3 SIGN PANELS SHALL BE RIGID.
2. THE SIZE OF THE HWZ-3 SIGN SHALL NOT BE REDUCED FOR USE ON TWO-LANE ROADWAYS.

C. LANE CLOSURES:

1. Approval/Restrictions

All lane closures of any type or duration shall have the prior approval of the Engineer.

a. The length of a lane closure shall not exceed two (2) miles in length excluding the length of the tapers unless the prior approval of the Engineer has been obtained. The Engineer may extend the length of a lane closure based upon field conditions however the length of a workzone should be held to the minimum length required to accomplish the Work. Lane closures shall not be spaced closer than one mile. The advanced warning signs for the project should not overlap with the advanced warning signs for lane shifts, lane closures, etc.

b. Lane closures that require same direction traffic to be split around the Work Area will not be approved for roadways with posted speeds of 35 mph or greater, excluding turn lanes.

c. For Interstate, Limited Access and Multi-lane Divided Highways, a Portable Changeable Message Sign (PCMS) shall be placed one (1) mile in advance of a lane closure with a message denoting the appropriate lane closure one mile ahead. The Portable Changeable Message Sign (PCMS) shall be placed on the outside shoulder in accordance with Detail 150-PCMS. This is in addition to the other traffic control devices required by Standard 9106.

2. Removal Of Lane Closures

To provide the greatest possible convenience to the public in accordance with Sub-Subsection 107.07, the Contractor shall remove all signs, lane closure markings, and devices immediately when lane closure work is completed or temporarily suspended for any length of time or as directed by the Engineer. All portable signs and portable sign mounting devices shall be removed from the roadway to an area which will not allow the sign to be visible and will not allow the sign or sign mounting device to be impacted by traffic.

3. Exit And Entrance Ramps

On multilane highways where traffic has been shifted to the inside lanes, the exit and entrance ramps shall have channelization devices placed on both sides of the ramp. This requirement will apply to any situation where traffic is shifted to contra flows or inside staging lanes to facilitate reconstruction work in the vicinity of exit and entrance ramps. The temporary ramp taper length shall be greater than, or equal to, the existing taper length. Interim EXIT gore signs shall be placed at the ramp divergence. The "EXIT OPEN" sign shown in Figure TA-42 of the MUTCD shall be utilized. For exit ramps, channelization device spacing shall be decreased to 10 feet for 200 feet in advance of the temporary gore, and be decreased to 10 feet for the first 100 feet of the temporary gore.

4. Lane Drop/Lane Closure

The first seven (7) calendar days of any lane closure shall be signed and marked as per Standard 9106 or 9107. However, lane closures that exist for a duration longer than seven (7) calendar days may be signed and marked as per the details in Standard 9121, provided the prior approval of the Engineer is obtained. The approved lane drop

shall utilize only the signs and markings shown for the termination end of the lane drop in Standard 9121. All warning signs in the lane drop sequence shall be used. Drums may be substituted for the Type I Crystal Delineators at the same spacing.

5. Termination Area

The transition to normal or full width highway at the end of a lane closure shall be a maximum of 150 feet.

D. TRAFFIC PACING METHOD:

1. Pacing Of Traffic

With prior approval from the Engineer, traffic may be paced allowing the Contractor up to ten (10) minutes maximum to work in or above all lanes of traffic for the following purposes:

a. Placing bridge members or other bridge work.

b. Placing overhead sign structures.

c. Other work items requiring interruption of traffic.

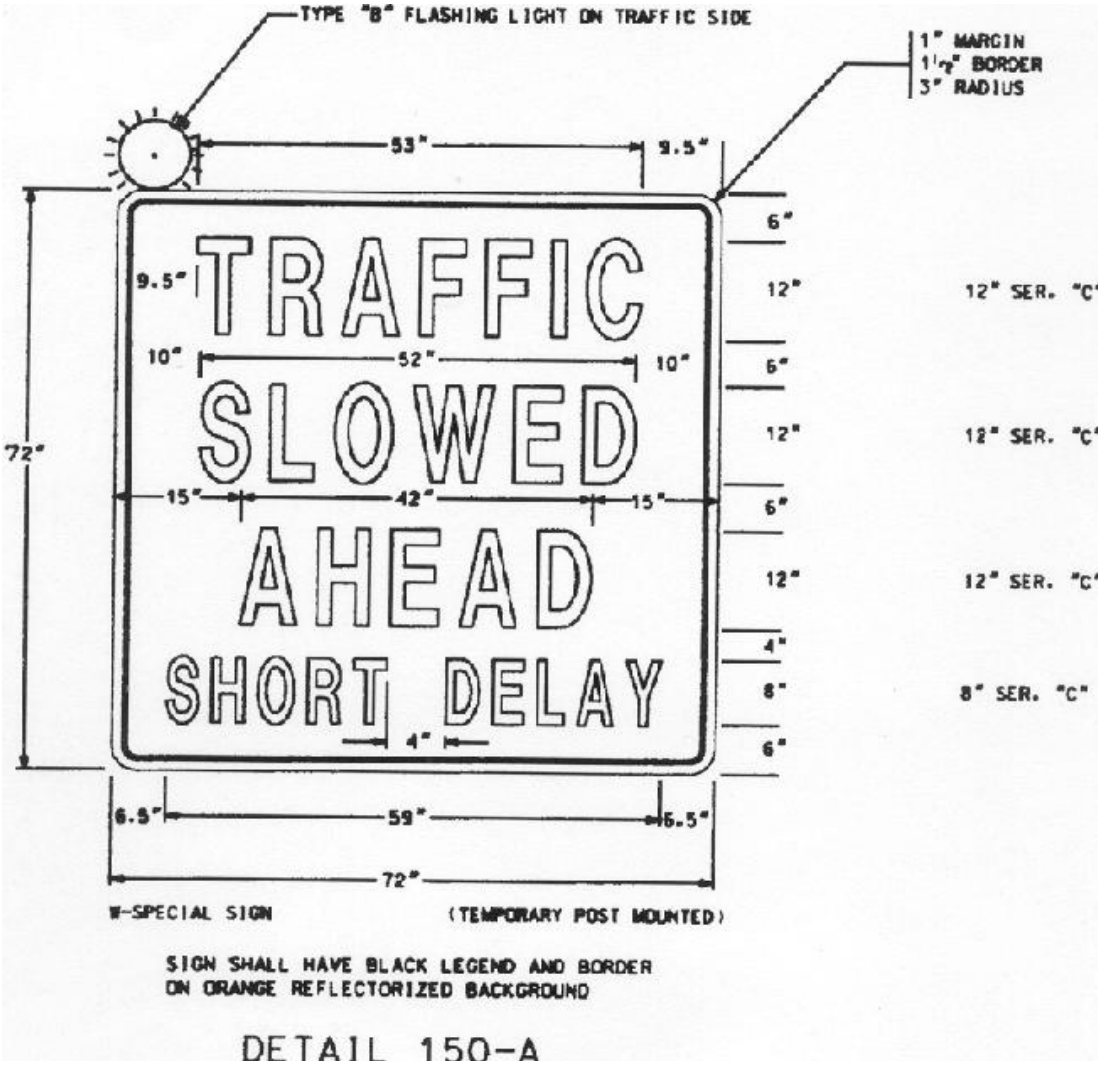
The Contractor shall provide a uniformed police officer with patrol vehicle and blue flashing light for each direction of pacing. The police officer, Engineer, and flaggers at ramps shall be provided with a radio which will provide continuous contact with the Contractor.

When ready to start the work activity, the police vehicle will act as a pilot vehicle slowing the traffic thereby providing a gap in traffic allowing the Contractor to perform the Work. Any on-ramps between the pace and the work area shall be blocked during pacing of traffic, with a flagger properly dressed and equipped with a Stop/Slow paddle. Each ramp should be opened after the police vehicle has passed.
Pilot vehicles shall travel at a safe pace speed, desirably not less than 20 mph interstate and 10 mph non-interstate. The Contractor shall provide a vehicle to proceed in front of the police vehicle and behind the other traffic in order to inform the Contractor's work force when all vehicles have cleared the area.

Traffic will not be permitted to stop during pacing except in extreme cases as approved by the Engineer.

2. Methods Of Signing For Traffic Pacing

At a point not less than 1,000 feet in advance of the beginning point of the pace, the Contractor shall erect and cover a W-special sign (72 inch x 72 inch) with a Type "B" flashing light, with the legend "TRAFFIC SLOWED AHEAD SHORT DELAY" (See Detail 150-A). A portable changeable message sign may be used in lieu of the W-special sign. On divided highways this sign shall be double indicated. A worker with a two-way radio shall be posted at the sign, and upon notice that the traffic is to be paced shall turn on the flashing light and reveal the sign. When traffic is not being paced, the flashing light shall be turned off and the sign covered or removed. W-special signs are reflectorized black on orange, Series "C" letter and border of the size specified.


TYPE "B" FLASHING LIGHT ON TRAFFIC SIDE
1" MARGIN
1½" BORDER
3" RADIUS
53"
9.5"
TRAFFIC
SLOWED
AHEAD
SHORT DELAY
9.5"
10"
52"
10"
72"
15"
42"
15"
4"
6"
12"
12" SER. "C"
6"
12"
12" SER. "C"
6"
12"
12" SER. "C"
4"
8"
8" SER. "C"
6"
6.5"
59"
6.5"
72"
W-SPECIAL SIGN
(TEMPORARY POST MOUNTED)
SIGN SHALL HAVE BLACK LEGEND AND BORDER
ON ORANGE REFLECTORIZED BACKGROUND

DETAIL 150-A

E. CONSTRUCTION VEHICLE TRAFFIC

The Contractor's vehicles shall travel in the direction of normal roadway traffic and shall not reverse direction except at intersections, interchanges, or approved temporary crossings. The Contractor may submit a plan requesting that construction traffic be allowed to travel in the opposite direction of normal traffic when it would be desirable to modify traffic patterns to accommodate specific construction activities.

Prior approval of the Engineer shall be obtained before any construction traffic is allowed to travel in a reverse direction. If the Contractor's submittal is approved the construction traffic shall be separated from normal traffic by appropriate traffic control devices.

F. ENVIRONMENTAL IMPACTS TO THE TEMPORARY TRAFFIC CONTROL (TTC) PLAN

The Contractor shall ensure that dust, mud, and other debris from construction activities do not interfere with normal traffic operations or adjacent properties. All outfall ditches, special ditches, critical storm drain structures, erosion control structures, retention basins, etc. shall be constructed, where possible, prior to the beginning of grading operations so that the best possible drainage and erosion control will be in effect during the grading operations, thereby keeping the roadway areas as dry as possible.

Areas within the limits of the project which are determined by the Engineer to be disturbed or damaged due either directly or indirectly from the progress or the lack of progress of the work shall be cleaned up, redressed, and regrassed. All surplus materials shall be removed and disposed of as required. Surplus materials shall be disposed of in accordance with Section 201 of the Specifications.

G. EXISTING STREET LIGHTS

Existing street lighting shall remain lighted as long as practical and until removal is approved by the Engineer.

H. NIGHTWORK

Adequate temporary lighting shall be provided at all nighttime work sites where workers will be immediately adjacent to traffic.

I. CONSTRUCTION VEHICLES IN THE WORKZONE

The parking of Contractor's and/or workers personal vehicles within the work area or adjacent to traffic is prohibited. It shall be the responsibility of the Worksite Traffic Control Supervisor to ensure that any vehicle present at the worksite is necessary for the completion of the work.

J. ENCROACHMENTS ON THE TRAVELED-WAY

The Worksite Traffic Control Supervisor (WTCS) shall monitor the work to ensure that all the rocks, boulders, construction debris, stockpiled materials, equipment, tools and other potential hazards are kept clear of the travelway. These items shall be stored in a location, in so far as practical, where they will not be subject to a vehicle running off the road and striking them.

K. PEDESTRIAN CONSIDERATIONS

All existing pedestrian facilities, including access to transit stops, shall be maintained. Where pedestrian routes are closed, alternate routes shall be provided. Closures of existing, interim and final pedestrian facilities shall have the prior written approval of the Engineer. When existing pedestrian facilities are disrupted, closed or relocated in a TTC zone, the temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility. Pedestrian facilities are considered improvements and provisions made to accommodate or encourage walking. Whenever a sidewalk is to be closed, the Engineer shall notify the maintaining agency two (2) weeks prior to the closure. Prior to closure, detectable barriers (that are detectable by a person with a visual disability traveling with the aid of a long cane), as described by the MUTCD, shall be placed across the full width of the closed sidewalk. Barriers and channelizing devices used along a temporary pedestrian route shall be in compliance with the MUTCD.

Temporary Traffic Control devices used to delineate a Temporary Traffic Control zone pedestrian walkway shall be in compliance with Subsection 150.01.E. Temporary Traffic Control devices and construction material shall not intrude into the usable width of the pedestrian walkway. Signs and other devices shall be placed such that they do not narrow or restrict any pedestrian passage to less than 48 inches.

A pedestrian walkway shall not be severed or relocated for non-construction activities such as parking for construction vehicles and equipment. Movement by construction vehicles and equipment across designated pedestrian walkways should be minimized. When necessary, construction activities shall be controlled by flaggers. Pedestrian walkways shall be kept free of mud, loose gravel or other debris.

When temporary covered walkways are used, they shall be lighted during nighttime hours. When temporary traffic barrier is used to separate pedestrian and vehicular traffic, the temporary barrier shall meet NCHRP-350 Test Level Three. The barrier ends shall be protected in accordance with Georgia Standard 4960. Curbing shall not be used as a substitute for temporary traffic barriers when temporary traffic barriers are required. Tape, rope or plastic chain strung between temporary traffic control devices are not considered as detectable and shall not be used as a control for pedestrian movements.

The WTCS shall inspect the activity area daily to ensure that effective pedestrian TTC is being maintained. The inspection of TTC for pedestrian traffic shall be included as part of the TC-1 report.

1. Temporary Pedestrian Facilities

Temporary pedestrian facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. The geometry, alignment and construction of the facility should meet the applicable requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)".

a. Temporary Walkways with Detectable Edging

A smooth, continuous hard surface (firm, stable and slip resistant) shall be provided throughout the entire length of the temporary pedestrian facility. Compacted soils, sand, crushed stone or asphaltic pavement millings shall not be used as a surface course for walkways.

Temporary walkways shall include detectable edging as defined in the MUTCD. When temporary traffic barrier is included as a pay item in the contract and where locations identified on the plans for positive protection will also allow them to serve as pedestrian detectable edging, payment will be made for the temporary traffic barrier in accordance with Section 622. No payment will be made for temporary walkways with Detectable Edging where existing pavements or existing edging (that meets the requirements of MUTCD) are utilized as temporary walkways. Payment for temporary detectable edging, including approved barriers and channelizing devices, installed on existing pavements shall be included in Traffic Control-Lump Sum.

Regardless of the materials used, temporary walkways shall be constructed of sufficient thickness and durability to withstand the intended use for the duration of the construction project. If concrete or asphalt is used as the surface course for the walkway, it shall be a minimum of one and one-half inches (1-1/2") thick. Temporary walkways constructed across unimproved streets and drives shall be a minimum thickness of four inches (4") for concrete and three inches (3") for asphalt. Joints formed in concrete sidewalks shall be in accordance with Section 441. Concrete surfaces shall have a broom finish.

If plywood is used as a walkway, it must be a minimum of three quarters of an inch (3/4") thick pressure treated and supported with pressure treated longitudinal joists spaced a maximum of sixteen inches (16") on center. The plywood shall be secured to the joist with galvanized nails or galvanized deck screws. Nails and screws shall be countersunk to prevent snagging or tripping the pedestrians. A slip resistant friction course shall be applied to any plywood surface that is used as a walkway. Any slip resistant material used shall have the prior written approval of the engineer.

The contractor may propose alternate types of Temporary Walkways provided the contractor can document that the proposed walkway meets the requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". Alternate types of Temporary Walkways shall have the prior written approval of the engineer.

Temporary walkways shall be constructed and maintained so there are no abrupt changes in grade or terrain that could cause a tripping hazard or could be a barrier to wheelchair use. The contractor shall construct and maintain the walkway to ensure that joints in the walkway have a vertical difference in elevation of no more than one quarter (1/4″) of an inch and that the horizontal joints have gaps no greater than one half (1/2″) of an inch. The grade of the temporary walkway should parallel the grade of the existing walkway or roadway and the cross slope should be no greater than 2%.

A width of sixty (60″) inches, if practical, should be provided throughout the entire length of any temporary walkway. The temporary walkway shall be a minimum width of forty eight inches (48″). When it is not possible to maintain a minimum width of sixty inches (60″) throughout the entire length of temporary walkway, a sixty inch (60″) by sixty inch (60″) passing space should be provided at least every two hundred feet (200 Ft.), to allow individuals in wheelchairs to pass.

Temporary walkways shall be constructed on firm subgrade. Compact the subgrade according to Section 209. Furnish and install any needed temporary pipes prior to constructing any walkway to ensure positive drainage away from or beneath the temporary walkway. Once the walkway is no longer required, remove any temporary materials and restore the area to the original conditions or as shown in the plans.

b. Temporary Curb Cut Wheelchair Ramps

Temporary curb cut wheelchair ramps shall be constructed in accordance with Section 441 and Detail A-3. Ramps shall also include a detectable warning surface in accordance with Detail A-4. Other types of material for the construction of the temporary curb cut wheelchair ramps, including the detectable warning surface, may be used provided the contractor can provide documentation that the material to be used meets the requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". When a wheelchair ramp is no longer required, remove the temporary materials and restore the area to existing conditions or as shown in the plans. For the items required to restore the area to original conditions or as shown in the plans, measures for payment shall be covered by contract pay items. If pay items are not included in the contract, then payment for these items shall be included in Traffic Control-Lump Sum.

c. Temporary Audible Information Device

Temporary audible information devices, when shown in the plans, shall be installed in compliance with the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". The devices shall be installed in accordance with the manufacturer's recommendations. Prior to installation, the contractor shall provide the engineer with a set of manufacturer's drawings detailing the proper installation procedures for each device. When no longer required, the devices shall remain the property of the contractor.

L. TRAFFIC SIGNALS

If the sequence of operations, staging, or the temporary traffic control plan requires the relocation or shifting of any components of an existing traffic signal system then any work on these traffic signals will be considered as part of Lump Sum- Traffic Control. The contractor becomes responsible for the maintenance of these traffic signals from the time that the system is modified until final acceptance. The maintenance of traffic signals that are not a part of the work and are not in conflict with any portion of the work shall not be the responsibility of the contractor.

When construction operations necessitate an existing traffic signal to be out of service, the Contractor shall furnish off-duty police officers to regulate and maintain traffic control at the site. Off-duty police officers should be used to regulate and maintain traffic control at signal sites when lane closures or traffic shifts block or restrict movements causing interference with normal road user flows and will not allow the activated traffic signal to guide the traffic through the signal site.

M. REMOVAL/REINSTALLATION OF MISCELLANEOUS ITEMS

In the prosecution of the Work, if it becomes necessary to remove any existing signs, markers, guardrail, etc. not covered by specific pay item, they shall be removed, stored and reinstalled, when directed by the Engineer, to line and grade, and in the same condition as when removed.

N. Signalized Intersections

Off duty police officers shall be used to regulate and maintain traffic control at functioning signalized intersections when lane closures or traffic shifts block or restrict movements causing interference with road user flows and will not allow the activated traffic signal to guide the traffic through the signal site. This work is considered incidental and shall be included in the overall price bid for traffic control.

150.03 SIGNS:

A. SIGNING REQUIREMENTS OF THE TEMPORARY TRAFFIC CONTROL (TTC) PLAN

When existing regulatory, warning or guide signs are required for proper traffic and pedestrian control the Contractor shall maintain these signs in accordance with the temporary traffic control (TTC) plan. The Contractor shall review the status of all existing signs, interim signs added to the work, and permanent sign installations that are part of the work to eliminate any conflicting or non-applicable signage in the TTC Plan. The Contractor's review of all signs in the TTC Plan shall establish compliance with the requirements of the MUTCD and Section 150. Any conflicts shall be reported to the Engineer immediately and the WTCS shall take the necessary measures to eliminate the conflict.

The Contractor shall make every effort to eliminate the use of interim signs as soon as the Work allows for the installation of permanent signs.

All existing illuminated signs shall remain lighted and be maintained by the Contractor.

Existing street name signs shall be maintained at street intersections.

B. CONFLICTING OR NON-APPLICABLE SIGNS

Any sign(s) or portions of a sign(s) that are not applicable to the TTC plan shall be covered so as not to be visible to traffic or shall be removed from the roadway when not in use. The WTCS shall review all traffic shifts and changes in the traffic patterns to ensure that all conflicting signs have been removed. The review shall confirm that the highest priority signs have been installed and that signs of lesser significance are not interfering with the visibility of the high priority signs. High priority signs include signs for road closures, shifts, detours, lane closures and curves. Any signs, such as speed zones and speed limits, passing zones, littering fines and litter pick up, that reference activities that are not applicable due to the presence of the Work shall be removed, stored and reinstalled when the Work is completed.

Failure to promptly eliminate conflicting or non-applicable signs shall be considered as non-performance under Subsection 150.08.

C. REMOVAL OF EXISTING SIGNS AND SUPPORTS

The Contractor shall not remove any existing signs and supports without prior approval from the Engineer. All existing signs and supports which are to be removed shall be stored and protected if this material will be required later in the work as part of the TTC plan. If the signs are not to be utilized in the work then the signs will become the property of the Contractor unless otherwise specified in the contract documents.

D. INTERIM GUIDE, WARNING AND REGULATORY SIGNS

Interim guide, warning, or regulatory signs required to direct traffic and pedestrians shall be furnished, installed, reused, and maintained by the Contractor in accordance with the MUTCD, the Plans, Special Provisions, Special Conditions, or as directed by the Engineer. These signs shall remain the property of the Contractor. The bottom of all interim signs shall be mounted at least seven (7') feet above the level of the pavement edge when the signs are used for long-term stationary operations as defined by Section 6G.02 of the MUTCD. Special Conditions under Subsection 150.11 may modify this requirement.

Portable signs may be used when the duration of the work is less than three (3) days or as allowed by the special conditions in Subsection 150.11. Portable signs shall be used for all punchlist work. All portable signs and sign mounting devices utilized in work shall be NCHRP 350 compliant. Portable interim signs shall be mounted a

minimum of one (1′) foot above the level of the pavement edge for directional traffic of two (2) lanes or less and a minimum of seven (7′) feet for directional traffic of three (3) or more lanes. Signs shall be mounted at the height recommended by the manufacturer's crashworthy testing requirements. Portable interim signs which are mounted at less than seven (7′) feet in height may have two 18 inch x 18 inch fluorescent red-orange or orange-red warning flags mounted on each sign.

All regulatory sign blanks shall be rigid whether the sign is mounted as a portable sign, on a Type III barricade or as a permanent mount height sign.

Any permanent mount height interim sign that is designed to fold in half to cover a non-applicable message on the sign shall have reflectorized material on the folded over portion of the sign. The reflectorized material shall be orange in color with a minimum of ASTM Type I engineering grade sheeting with a minimum area of six inches by six inches (6″ x 6″) facing the direction of traffic at all times when the sign is folded.

Interim signs may be either English or metric dimensions.

E. EXISTING SPECIAL GUIDE SIGNS

Existing special guide signs on the Project shall be maintained until conditions require a change in location or legend content. When change is required, existing signs shall be modified and continued in use if the required modification can be made within existing sign borders using design requirements (legend, letter size, spacing, border, etc.) equal to that of the existing signs, or of Subsection 150.03.E.2. Differing legend designs shall not be mixed in the same sign.

1. Special Guide Signs

Special guide signs are those expressway or freeway guide signs that are designed with a message content (legend) that applies to a particular roadway location. When an existing special guide sign is in conflict with work to be performed, the Contractor shall remove the conflicting sign and reset it in a new, non-conflicting location which has been approved by the Engineer.

2. Interim Special Guide Signs

When it is not possible to utilize existing signs, either in place or relocated, the Contractor shall furnish, erect, maintain, modify, relocate, and remove new interim special guide signs in accordance with the Plans or as directed by the Engineer. Interim special guide signs that may be required in addition to, or a replacement for, existing expressway and freeway (interstate) signs shall be designed and fabricated in compliance with the minimum requirements for guide signing contained in Part 2E "Guide Signs Expressway" and Part 2F "Guide Signs Freeways" of the MUTCD, except that the minimum size of all letters and numerals in the names and places, streets and highways on all signs shall be 16 inches Series "E" initial upper-case and 12 inches lower-case. All interstate shields on these signs shall be 48 inches and 60 inches for two-numeral and three-numeral routes, respectively.

The road name of the exit or route shield shall be placed on the exit gore sign.

3. Interim Overhead Guide Sign Structures

Interim overhead special guide sign structures are not required to be lighted unless specifically required by the Plans. If lighting is required the sign shall be lighted as soon as erected and shall remain lighted, during the hours of darkness, until the interim sign is no longer required. The Contractor shall notify the Power Company at least thirty (30) days prior to desired connection to the power source.

4. Permanent Special Guide Signs

The installation of new permanent special guide signs and the permanent modification or resetting of existing special guide signs, when included in the contract, shall be accomplished as soon as practical to minimize the use of interim special guide signs. If lighting is required by the Plans, all new permanent overhead special guide signs shall be lighted as soon as erected.

F. MATERIALS- INTERIM SIGNS:

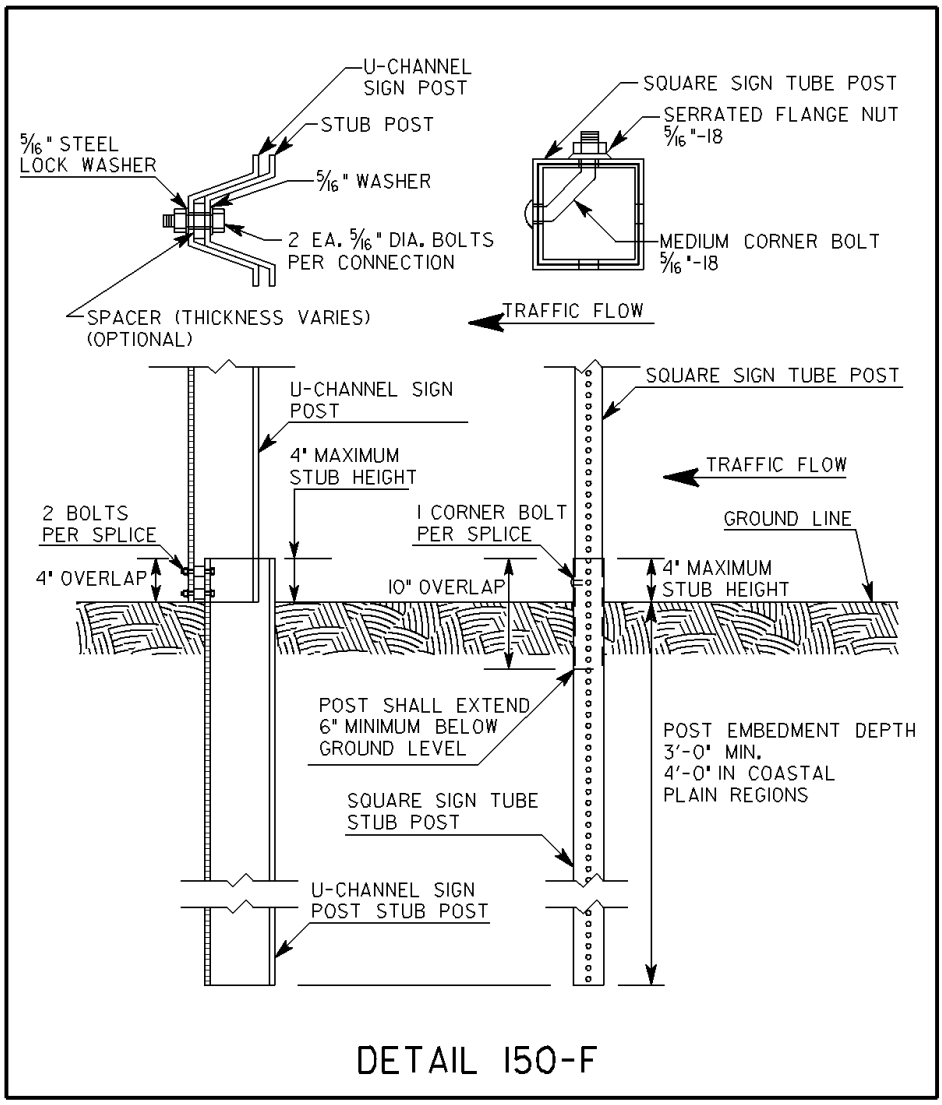
1. Posts

Permanent mounting height of seven (7') feet- Posts for all interim signs shall meet the requirements of Section 911 except that green or silver paint may be used in lieu of galvanization for steel posts or structural shape posts. Within the limits of a single project, all metal posts shall be the same color. Wood posts are not required to be pressure treated. Ground mounted sign(s) greater than nine (9) square feet shall be mounted on two posts.

Interim posts may be either metric or English in dimensions.

Posts for all interim signs shall be constructed to yield upon impact unless the posts are protected by guardrail, portable barrier, impact attenuator or other type of positive barrier protection. Unprotected posts shall meet the breakaway requirements of the "1994 AASHTO Standard Specifications for Structural Support for Highway Signs, Luminaries and Traffic Signals". Unprotected interim posts shall be spliced as shown in Detail 150-F unless full length unspliced posts are used.

Unprotected post splices will not be permitted any higher than four inches above the ground line to lessen the possibility of affecting the undercarriage of a vehicle. Installation of posts may require establishment of openings in existing pavements, islands, shoulders etc.


U-CHANNEL SIGN POST
STUB POST
5/16" STEEL LOCK WASHER
5/16" WASHER
2 EA. 5/16" DIA. BOLTS PER CONNECTION
SPACER (THICKNESS VARIES) (OPTIONAL)
SQUARE SIGN TUBE POST
SERRATED FLANGE NUT 5/16"-18
MEDIUM CORNER BOLT 5/16"-18
TRAFFIC FLOW
U-CHANNEL SIGN POST
4" MAXIMUM STUB HEIGHT
2 BOLTS PER SPLICE
4" OVERLAP
1 CORNER BOLT PER SPLICE
10" OVERLAP
SQUARE SIGN TUBE POST
TRAFFIC FLOW
GROUND LINE
4" MAXIMUM STUB HEIGHT
POST SHALL EXTEND 6" MINIMUM BELOW GROUND LEVEL
POST EMBEDMENT DEPTH 3'-0" MIN. 4'-0" IN COASTAL PLAIN REGIONS
SQUARE SIGN TUBE STUB POST
U-CHANNEL SIGN POST STUB POST
DETAIL 150-F

2. **Sign Blanks And Panels- Permanent mounting height of seven (7') feet**-
All sign blanks and panels shall conform to Section 912 of the Specifications except that blanks and panels may be ferrous based or other metal alloys. Type 1 and Type 2 sign blanks shall have a minimum thickness of 0.08 inches regardless of the sign type used. Alternative sign blank materials (composites, poly carbonates, fiberglass reinforced plastics, recycled plastics, etc.) shall have a letter of approval from the Office of Materials and Research for use as interim construction signs before these materials are allowed to be incorporated into the work unless these rigid sign blanks are currently approved as a crashworthy sign blank material under QPL 34. The back side of sign panels shall be painted orange to prevent rust if other metals are used in lieu of aluminum. Plywood blanks or panels will not be permitted. The use of flexible signs will not be permitted for permanent mount height signs.

Interim blanks and panels may be either metric or English in dimensions.

3. **Portable Sign Mounting Devices, Portable Sign Blanks**-
All portable sign mounting devices and sign blanks utilized in the work shall be NCHRP 350 Test Level III compliant. All portable sign mounting devices and sign blanks shall be from the Qualified Products List. Any sign or sign mounting device shall have an identifying decal, logo, or manufacturer's stamping that clearly identifies the device as NCHRP 350 compliant. The required decal, logo or manufacturer's stamping shall not be displayed on the message face of the sign. The Contractor may be required to provide certification from the Manufacturer as proof of NCHRP 350 compliance. All portable signs shall be mounted according to height requirements of Subsection 150.03.D.

G. SIGN VISIBILITY AND OFFSETS

All existing, interim and new permanent signs shall be installed so as to be completely visible for an advance distance in compliance with the MUTCD. Any clearing required for maintaining the line of sight to existing, interim or permanent signs shall be done as part of the requirements of the TTC plan. The clearing shall include any advance warning signs, both interim and permanent, that are installed as a part of the work including advance warning signs that are installed outside the limits of the project. Any sign installed behind W-beam or T-beam guardrail with non-breakaway posts shall be installed with the leading edge of the sign a minimum of four feet and three inches (4'3") behind the face of the guardrail with five feet (5') of clearance being desirable. Limbs, brush, construction equipment and materials shall be kept clear of the driver's line of sight to all signs that are part of the TTC plan.

H. ADVANCE WARNING SIGNS:

1. **All Type Of Highways**
Advance warning signs shall be placed ahead of the work area in accordance with Part VI of the MUTCD and shall include a series of at least three advance road work (W20-1) signs placed at the termini of the project. The series shall have the legend ROAD WORK (1500 FEET, 1000 FEET, AND 500 FEET).

At grade intersecting roadways and on-ramps shall be signed with a minimum of one ROAD WORK AHEAD sign.

When work terminates at a "T" intersection, a minimum of one "ROAD WORK AHEAD" sign shall be placed in advance of the intersection and one "END ROAD WORK" sign shall be placed at the termination end of the intersection. Field conditions may require the use of additional warning signage.

Advanced Warning Signs on State Routes shall be a minimum dimension of 48 inches x 48 inches. When a State Route intersects a project which consists of adding travel lanes, reconstructing an existing roadway or new location work, the State Route approaches shall have a minimum of three (W20-1) advanced warning signs (1500 ft., 1000 ft., 500 ft.). The termination end of an intersecting State Route shall have END ROAD WORK signage.

The W20-1 signs shall be placed at the termini of the project or sufficiently in advance of the termini to allow for lane shifts, lane closures and other activities which may also require advanced warning signs. The advanced warning signs for the project should not overlap with the advanced warning signs for lane shifts, lane closures, etc.

The length of a workzone should be held to the minimum length required to accomplish the work. If a project has multiple individual worksites within the overall limits of the project, each site should be signed individually if the advance warning signs for each site can be installed without overlapping an adjacent worksite. As soon as the work is completed at any individual site the warning signs shall be removed from that site. Clean-up work and punchlist work shall be performed with portable signage.

Project mileage indicated on the G20-1 sign shall be the actual project mileage rounded up to the nearest whole mile. Projects less than two (2) miles in length or individual worksites that are part of a multiple worksite project may delete this sign. The G20-1 sign shall be 60" X 36" and the G20-2 sign shall be 48" X 24".

2. Interstate, Limited Access And Multilane Divided Highways

In addition to the W20-1 signs required at 500 ft., 1000 ft. and 1500 ft., multi-lane divided highways shall also have additional advanced warning signs installed with the legend "ROAD WORK (2 MILES, 1 MILE and 1/2 MILE). All construction warning signs on divided highways shall be double indicated (i.e., on the left and right sides of the roadway.) If the use of the ½ mile, 1 mile and 2 mile advanced warning signs cause an overlap with other work or do not benefit field conditions then the Engineer may review the use of these signs and eliminate their installation. When the posted speed limit is 50 MPH or less, the ½ mile, 1 mile and 2 mile signs should be eliminated especially in urban areas.

The W20-1 advance warning signs for ROAD WORK 500 FEET; 1000 FEET; and 1500 FEET shall be temporarily covered when work involving the advanced warning signs for lane shifts and lane closures overlap these signs. The ROAD WORK ½ MILE, ROAD WORK 1 MILE, and ROAD WORK 2 MILES shall be in place when the 500, 1000 and 1500 feet signs are temporarily covered.

When the temporary traffic control zone already has advanced warning (W20-1) signs installed the W20-1 signs required for lane closures under Standard 9106 should be eliminated.

RAMP WORK ON LIMITED ACCESS HIGHWAYS: The workzone shall not be signed for the entire length of the mainline of a limited access highway when only short individual worksites, interchange or ramp work is being performed.

When work is restricted to ramp reconstruction or widening activities, the advance warning signs on the mainline section of the limited access highway shall be limited to the use of portable advance warning signs. These portable advance warning signs shall only be utilized when work activity is within the gore point of the ramp and the mainline traveled way or work is active in the accel/decel lane adjacent to the mainline traveled way. Portable advance warning signs (W20-1; 1500ft. /1000 ft. /500ft.) shall be installed on the traveled way of the limited access highway when the above conditions are present. The advance warning signs shall be installed only in one direction where work is active. All portable signs shall be double indicated. When work is not active, the ramp work shall be advanced warned by the use of a single 48 inch X 48 inch "RAMP WORK AHEAD" sign along the right shoulder of the mainline traveled way prior to the beginning of the taper for the decel lane. The "RAMP WORK AHEAD" sign shall be mounted at seven (7') feet in height. Differences in elevation shall be in compliance with the requirements of Subsection 150.06 prior to the removal of the portable (W20-1) advanced warning signs from the mainline.

The G20-1 sign shall be eliminated on limited access highways when the work involves only ramp work, bridge reconstruction, bridge painting, bridge joint repairs, guardrail and anchor replacement or other site specific work which is confined to a short section of limited access highway.

I. PORTABLE CHANGEABLE MESSAGE SIGN

Unless specified as a paid item in the contract the use of a portable changeable message sign will not be required. When specified, a portable changeable message sign (PCMS) shall meet the minimum requirements of Section 632 and the MUTCD. The maximum amount of messages allowed to be flashed on one PCMS is two phases (flashes). The language and the timing of the messages shall comply with the MUTCD and Section 632.
When used as an advanced device the PCMS should typically be placed ahead of the construction activities. If the PCMS is used as a substitute for another device then the requirements for the other device apply.

J. FLASHING BEACON

The flashing beacon assembly, when specified, shall be used in conjunction with construction warning signs, regulatory, or guide signs to inform traffic of special road conditions which require additional driver attention. The flashing beacon assembly shall be installed in accordance with the requirements of Section 647.

K. RUMBLE STRIP SIGNAGE

Signage for rumble strips located in the travelway shall be as required in Subsection 150.01.C and Subsection 150.02.A.9.

L. LOW/SOFT SHOULDER SIGNAGE

Low or soft shoulder signs shall be utilized in accordance with the following conditions:

CONSTRUCTION/RECONSTRUCTION PROJECTS:

"LOW/SOFT SHOULDER" signs shall be erected when a difference in elevation exceeds one (1") inch but does not exceed three (3") inches between the travelway and any type of shoulder unless the difference in elevation is four (4') feet or greater from the edge of the traveled way.

The spacing of the signs shall not exceed one (1) mile and the signs shall be placed immediately past each crossroad intersection. The "Low/Soft" signs shall remain in place until the difference in elevation is eliminated and the shoulder has been dressed and permanently grassed for a minimum of thirty (30) calendar days. These signs shall be furnished, installed, maintained and removed by the Contractor as part of Traffic Control-Lump Sum. These signs shall be orange with black borders and meet the reflectorization requirements of Subsection 150.01.D.

"SHOULDER DROP-OFF" (W8-9a) signs shall be used when a difference in elevation, less than four (4') feet from the traveled way, exceeds three (3") inches and is not protected by positive barrier protection. These warning signs shall be placed in advance of the drop-off.
For a continuous drop-off condition, the W8-9a) signs shall, as a minimum, be spaced in accordance with the above requirements for "Low/soft shoulder" signs.

PROJECTS CONSISTING PRIMARILY OF ASPHALTIC CONCRETE RESURFACING ITEMS:

"LOW/SOFT SHOULDER" signs shall be erected when a difference in elevation exceeds one (1") inch but does not exceed three (3") inches between the travelway and any type of shoulder unless the difference in elevation is four (4') feet or greater from the edge of the traveled way.

SHOULDER BUILDING INCLUDED IN THE CONTRACT: "Low/Soft Shoulder" signs shall be erected as per the requirement of Standards 9102, 9106, and 9107. "Shoulder Drop-off" signs (W8-9a) shall be erected as per the requirements of the MUTCD. These signs shall be maintained until the conditions requiring their installation have been eliminated. The Contractor shall remove all interim warning signs before final acceptance.

SHOULDER BUILDING NOT INCLUDED IN THE CONTRACT: The Department will furnish the "Low/Soft Shoulder" signs, "Shoulder Drop-off" signs and the posts. The signs shall be erected to meet the minimum requirements of Subsection 150.03. The Contractor shall include the cost of furnishing installation hardware (bolts, nuts, and

washers), erection and maintenance of the signs in the bid price for Traffic Control-Lump Sum. The Contractor shall maintain the signs until final acceptance. The Department will remove the signs.

LAU/LAR PROJECTS SHOULDER BUILDING NOT INCLUDED IN THE CONTRACT: The Contractor will furnish, install and maintain LOW/SOFT SHOULDER signs (yellow with black borders, ASTM Type III or IV) at the appropriate spacing, until Final Acceptance of the project by the Department. After Final Acceptance by the Department the signs will become the property and responsibility of the local government.

M. BUMP SIGNAGE:

MULTI-LANE DIVIDED HIGHWAYS: A bump sign (W8-1) shall be utilized when a transverse joint in the pavement structure has a vertical difference in elevation of three quarters (3/4") of an inch or greater in depth with no horizontal taper to ramp the traffic from one elevation to the other. This condition typically occurs at approach slabs during pavement milling operations and at transverse joints in asphaltic pavement lifts.

TWO-LANE TWO-WAY HIGHWAYS: A bump sign (W8-1) shall be utilized when a transverse joint in the pavement structure has a vertical difference in elevation that exceeds one and three quarters (1-3/4") inches in depth with no horizontal taper to ramp the traffic from one elevation to the other. This includes utility and storm drainage repairs that require concrete placement for patching and/or steel plating.

The (W8-1) sign shall be placed sufficiently in advance to warn the motorist of the condition.

N. PEDESTRIAN SIGNAGE:

Appropriate signs as described in the MUTCD shall be maintained to allow safe passage of pedestrian traffic or to advise pedestrians of walkway closures (Refer to MUTCD Figures TA-28 and TA-29 for guidance). Advance closure signing should be placed at intersections rather than midblock locations so that pedestrians are not confronted with midblock work sites that will induce them to attempt skirting the work site or making a midblock crossing. Signs and other devices mounted lower than seven (7) feet above the temporary pedestrian walkway shall not project more than four (4) inches into the accessible pedestrian facilities. Signs and other devices shall be placed such that they do not narrow any pedestrian passage to less than 48 inches.

150.04 PAVEMENT MARKINGS

A. GENERAL

Full pattern pavement markings in accordance with Section 652 and in conformance with Section 3A and 3B, except 3B.02, of the MUTCD are required on all courses before the roadway is opened to traffic. No passing zones shall be marked to conform to Subsection 150.04.E. During construction and maintenance activities on all highways open to traffic, both existing markings and markings applied under this Section shall be fully maintained until Final Acceptance. If the pavement markings are, or become, unsatisfactory in the judgement of the Engineer due to wear, weathering, or construction activities, they shall be restored immediately.

1. Resurfacing Projects

Pavement markings shall be provided on all surfaces that are placed over existing markings. Interim and final markings shall conform in type and location to the markings that existed prior to resurfacing unless changes or additions are noted in the Contract. The replacement of parking spaces will not be required unless a specific item or note has been included in the Contract. Any work to make additions to the markings that existed prior to resurfacing is to be considered as extra work.

2. Widening And Reconstruction Projects

If the lane configuration is altered from the preconstruction layout then pavement markings will be as required by the plans or the Engineer.

3. New Location Construction Projects

Pavement marking plans will be provided.

B. MATERIALS

All traffic striping applied under this Section shall be a minimum four inches in width or as shown in plans and shall conform to the requirements of Section 652, except as modified herein. Raised pavement markers (RPMs) shall meet the requirements of Section 654. Markings on the final surface course, which must be removed, shall be a removable type. The Contractor will be permitted to use paint, thermoplastic, or tape on pavement which is to be overlaid as part of the project, unless otherwise directed by the Engineer. Partial (skip) reflectorization (i.e. reflectorizing only a portion of a stripe) will not be allowed.

C. INSTALLATION AND REMOVAL OF PAVEMENT MARKINGS:

INSTALLATION: All pavement markings, both interim and permanent, shall be applied to a clean surface. The Contractor shall furnish the layout and preline the roadway surface for the placement of pavement markings applied as part of the temporary traffic control plan. All interim marking tape and RPM's on the final surface shall be removed prior to the placement of the final markings.

The Contractor shall sequence the work in such a manner as to allow the installation of markings in the final lane configuration at the earliest possible stage of the work.

REMOVAL: Markings no longer applicable shall be removed in accordance with Subsection 656.3.05.

THE ELIMINATION OF CONFLICTING PAVEMENT MARKINGS BY OVERPAINTING WITH UNAPPROVED PAINT OR ANY TYPE OF LIQUID ASPHALT IS NOT ACCEPTABLE.

INTERMEDIATE SURFACE: Interim markings shall be removed by methods that will cause minimal damage to the pavement surface while also ensuring that traveling public will not be confused or misdirected by any residual markings remaining on the intermediate surface. The use of approved black-out tape and black-out paint (manufactured for the sole purpose of covering existing pavement markings) may be permitted on some interim surfaces, provided the results are satisfactory to the Engineer.

FINAL SURFACE: No interim paint or thermoplastic markings will be permitted on any final surface unless the interim markings are in alignment with the location of the permanent markings and the interim marking will not interfere or adversely affect placement of the permanent markings. The proposed method of removal for layout errors that require markings to be removed from the final surface shall have the prior approval of the Engineer. Any damage to the final pavement surface caused by the pavement marking removal process shall be repaired at the Contractor's expense by methods acceptable and approved by the Engineer. Subsection 400.3.06.C shall apply when corrective measures are required. The use of black-out tape or black-out paint will not be permitted under any circumstance to correct layout errors on any final surface.

Traffic shifts that are done on the final surface shall be accomplished using interim traffic marking tape that can be removed without any blemishing of the final surface. Interim traffic marking tape shall be used on any of the following final surfaces; asphaltic concrete, Portland cement concrete, and bridge deck surfaces. The contractor may propose alternate traffic markings and removal methods on the final surface. Submitted proposals shall include the type of material, method of removal and a cost comparison to the traffic marking tape method. Prior to any approval, the contractor shall field demonstrate to the satisfaction of the Engineer that the proposed traffic markings can be removed without any blemishing of the final surface. If the proposal is determined to be acceptable, a supplemental agreement will be executed prior to the installation of the proposed alternate traffic markings. The supplemental agreement shall denote the type of traffic marking materials, method of removal and any cost and/or time savings to the Department. The Department will not consider or participate in any cost increase that may result from implementing the proposed alternate method.

PAY FACTOR REDUCTION FOR ASPHALTIC CONCRETE FINAL SURFACES: When the correction of an error in the layout of the final pavement markings requires the final surface to be grounded, blemished, scarred, or polished the pay factor shall be reduced to 0.95 for the entire surface area of the final topping that has a blemish, polished or a scarred surface. The reduced pay factor shall not be confined to only the width and length of the stripe or the dimensions of the blemished areas, the whole roadway surface shall have the reduced pay factor applied. The area of the

reduced pay factor shall be determined by the total length and the total width of the roadway affected. If the affected area is not corrected, the reduction in pay shall be deducted from the final payment for the topping layer of asphaltic concrete. The Engineer shall make the final determination whether correction or a reduced pay factor is acceptable.

The eradication of pavement markings on intermediate and final concrete surfaces shall be accomplished by a method that does not grind, polish, or blemish the surface of the concrete. The method used for the removal of the interim markings shall not spall chip the joints in the concrete and shall not damage the sealant in the joints. Any joint or sealant repairs shall be included in the bid price for Traffic Control-Lump Sum. The proposed method of removal shall have the prior approval of the Engineer.

Failure to promptly remove conflicting or non-applicable pavement markings shall be considered as non-performance under Subsection 150.08.

PREPARATION AND PLANNING FOR TRAFFIC SHIFTS: When shifting of traffic necessitates removal of centerline, lane lines, or edge lines, all such lines shall be removed prior to, during, or immediately after any change so as to present the least interference with traffic. Interim traffic marking tape shall be used as a temporary substitute for the traffic markings being removed.

Before any change in traffic lane(s) alignment, marking removal equipment shall be present on the project for immediate use. If marking removal equipment failures occur, the equipment shall be repaired or replaced (including leasing equipment if necessary), so that the removal can be accomplished without delay.

Except for the final surface, markings on asphaltic concrete may be obliterated by an overlay course, when approved by the Engineer. When an asphaltic concrete overlay is placed for the sole purpose of eliminating conflicting markings and the in place asphaltic concrete section will allow, said overlay will be eligible for payment only if designated in the Plans. Overlays to obliterate lines will be paid for only once and further traffic shifts in the same area shall be accomplished with removable markings. Only the minimum asphaltic concrete thickness required to cover lines will be allowed. Excessive build-up will not be permitted. When an overlay for the sole purpose of eliminating conflicting markings is not allowed, the markings no longer applicable shall be removed in accordance with Subsection 656.3.05.

D. RAISED PAVEMENT MARKERS

Raised pavement markers (RPMs) are required as listed below for all asphaltic concrete pavements before the roadway is open to traffic. On the final surface, RPM's shall be placed according to the timeframes specified in 150.04 E. for full pattern pavement markings except Interstate Highways where RPM's shall be placed and/or maintained when the roadway is open to traffic. When Portland Cement Concrete is an intermediate or final surface and is open to traffic, one calendar day is allowed for cleaning and drying before the installation of RPMs is required.

Raised pavement markers are not allowed on the right edge lines under any situation.

1. Interstate Highways

Retro-reflective raised pavement markers (RPM's) shall be placed and/or maintained on intermediate pavements surfaces on all interstate highways that are open to traffic. This includes all resurfacing projects along with widening and reconstruction projects. The spacing and placement shall be as required for MULTI-LANE DIVIDED HIGHWAYS.

2. Multi-Lane Divided Highways

Retro-reflective raised pavement markers (RPMs) shall be placed and/or maintained on intermediate pavement surfaces on all multi-lane divided highways that are opened to traffic when these roadways are being widened or reconstructed. Two lane-two way roadways that are being widened to a multi-lane facility, whether divided or undivided, are included in this provision. Projects consisting primarily of asphalt resurfacing items or shoulder widening items are excluded from this requirement. The RPMs shall be placed as follows:

a. SUPPLEMENTING LANE LINES

80 foot center on skip lines with curvature less than three degrees. (Includes tangents)

40 foot centers on solid lines and all lines with curvature between three degrees and six degrees.

20 foot centers on curves over six degrees.

20 foot centers on lane transitions or shifts.

b. SUPPLEMENTING RAMP GORE LINES

20 foot centers, two each, placed side by side.

c. OTHER LINES

As shown on the plans or directed by the Engineer.

3. Other Highways

On other highways under construction RPMs shall be used and/or maintained on intermediate pavement surfaces as follows:

a. SUPPLEMENTING LANE LINES AND SOLID LINES

40 foot centers except on lane shifts. (When required in the Plans or Contract.)

20 foot centers on lane shifts. (Required in all cases.)

b. SUPPLEMENTING DOUBLE SOLID LINES

40 foot centers (one each beside each line) except on lane shifts. (When required in the Plans or Contract.)

20 foot centers on lane shifts. (Required in all cases.)

E. EXCEPTIONS FOR INTERIM MARKINGS

Some exceptions to the time of placement and pattern of markings are permitted as noted below; however, full pattern pavement markings are required for the completed project.

1. Two-Lane, Two-Way Roadways

a. SKIP LINES

All interim skip (broken) stripe shall conform to Section 652 except that stripes shall be at least two feet long with a maximum gap of 38 feet. On curves greater than six degrees, a one-foot stripe with a maximum gap of 19 feet shall be used. In lane shift areas solid lines will be required. Interim skip lines shall be replaced with markings in full compliance with Section 652 prior to expiration of the 14 calendar day period.

Interim raised pavement markers may be substituted for the interim skip (broken) stripes. If raised pavement markers are substituted for the two foot interim skip stripe, three markers spaced at equal intervals over a two feet distance will be required. No separate payment will be made if the interim raised pavement markers are substituted for interim skip lines.

Interim raised pavement markers shall be retro-reflective, shall be the same color as the pavement markers for which they are substituted, and shall be visible during daytime.

The type of interim marker and method of attachment to the pavement shall be approved by the Office of Materials and Research but in no case will the markers be attached by the use of nails. Flexible reflective markers, Type 14 or Type 15, may be used for a maximum of fourteen (14) calendar days as an interim marker. Any flexible reflective markers in use shall be from the qualified products list (QPL).

The interim raised pavement markers shall be maintained until the full pattern pavement markings are applied. At the time full pattern markings are applied the interim raised markers shall be removed in a manner that will not interfere with application of the full pattern pavement markings.

b. NO PASSING ZONES-TWO-LANE, TWO-WAY ROADWAYS

Passing zones shall be re-established in the locations existing prior to resurfacing. No changes to the location of passing zones shall be done without the written approval of the Engineer. For periods not to exceed three calendar days where interim skip centerlines are in place, no-passing

zones shall be identified by using post or portable mounted DO NOT PASS regulatory signs (R4-1 24″ x 30″) at the beginning and at intervals not to exceed ½ mile within each no-passing zone. A post or portable mounted PASS WITH CARE regulatory sign (R4-1 24″ x 30″) shall be placed at the end of each no-passing zone. Post mounted signs shall be placed in accordance with the MUTCD. Portable signs shall conform to the requirements of the MUTCD and shall be NCHRP 350 compliant. Portable signs shall be secured in such a manner to prevent misalignment and minimize the possibility of being blown over by weather conditions or traffic.

On new location projects and on projects where either horizontal or vertical alignments has been modified, the location of No-Passing Zones will be identified by the Engineer.

c. EDGELINES

1) Bituminous Surface Treatment Paving
Edgelines will not be required on intermediate surfaces (including asphaltic concrete leveling for bituminous surface treatment paving) that are in use for a period of less than 60 calendar days except at bridge approaches, on lane transitions, lane shifts, and in such other areas as determined by the Engineer. On the final surface, edgelines shall be placed within 30 calendar days of the time that the final surface was placed.

2) All Other Types of Pavement
Edgelines will not be required on intermediate surfaces that are in use for a period of less than 30 calendar days except at bridge approaches, on lane transitions, lane shifts, and in such other areas as determined by the Engineer. On the final surface, edgelines shall be placed within 14 calendar days of the time that the surface was placed.

2. Multi-Lane Highways – With No Paved Shoulder(S) Or Paved Shoulder(S) Four Feet Or Less

a. UNDIVIDED HIGHWAYS (INCLUDES PAVED CENTER TURN LANE)

1) Centerlines and No-Passing Barrier-Full Pattern centerlines and no-passing barriers shall be restored before opening to traffic.

2) Lanelines- Interim skip (broken) stripe as described in Subsection 150.04E.1.a. may be used for periods not to exceed three calendar days. Skiplines are not permitted in lane shift areas. Solid lines shall be used.

3) Edgelines- Edgelines shall be placed on intermediate and final surfaces within three calendar days of obliteration.

b. DIVIDED HIGHWAYS (GRASS OR RAISED MEDIAN)

1) Lanelines- Full pattern skip stripe shall be restored before opening to traffic. Skip lines are not permitted in lane shift areas. Solid lines shall be required.

2) Centerline/Edgeline- Solid lines shall be placed on intermediate and final surfaces within three calendar days of obliteration.

3. Limited Access Roadways And Roadways With Paved Shoulders Greater Than Four Feet

a. Same as Subsection 150.04.E.2 except as noted in (b) below.

b. EDGELINES-

1) Asphaltic Concrete Pavement- Edgelines shall be placed on intermediate and final surfaces prior to opening to traffic.

2) Portland Cement Concrete Pavement- Edgelines shall be placed on any surface open to traffic no later than one calendar day after work is completed on a section of roadway. All water and residue shall be removed prior to daily striping.

4. Ramps For Multi-Lane Divided Highways

A minimum of one solid line edge stripe shall be placed on any intermediate surface of a ramp prior to opening the ramp to traffic. The other edge stripe may be omitted for a maximum period of three (3) calendar days on an intermediate surface. Appropriate channelization devices shall be spaced at a maximum of twenty-five (25') feet intervals until the other stripe has been installed.

The final surface shall have both stripes placed prior to opening the ramp to traffic.

5. MISCELLANEOUS PAVEMENT MARKINGS:

FINAL SURFACE: School zones, railroads, stop bars, symbols, words and other similar markings shall be placed on final surfaces conforming to Section 652 within fourteen (14) calendar days of completion of the final surface. Final markings shall conform to the type of pay item in the plans. When no pay item exists in the plans the final markings shall conform to Section 652 for painted markings.

INTERMEDIATE SURFACE: Intermediate surfaces that will be in use for more than forty-five (45) calendar days shall have the miscellaneous pavement markings installed to conform to the requirement of Section 652. Under Subsection 150.11, Special Conditions, or as directed by the Engineer these markings may be eliminated.

F. MOBILE OPERATIONS

When pavement markings (centerlines, lane lines, and edgelines) are applied in a continuous operation by moving vehicles and equipment, the following minimum equipment and warning devices shall be required. These devices and equipment are in addition to the minimum requirements of the MUTCD.

1. All Roadways

All vehicles shall be equipped with the official slow moving vehicle symbol sign. All vehicles shall have a minimum of two flashing or rotating beacons visible in all directions. All protection vehicles shall have an arrow panel mounted on the rear. All vehicles requiring an arrow panel shall have, as a minimum, a Type B panel. All vehicle mounted signs shall be mounted with the bottom of the sign a minimum height of forty-eight inches (48") above the pavement. All sign legends shall be covered or removed from view when work is not in progress.

2. Two-Lane Two-Way Roadways

a. Lead Vehicles

The lead vehicle may be a separate vehicle or the work vehicle applying the pavement markings may be used as the lead vehicle. The lead vehicle shall have an arrow panel mounted so that the panel is easily visible to oncoming (approaching) traffic. The arrow panel should typically operate in the caution mode.

b. Work Vehicles

The work vehicle(s) applying markings shall have an arrow panel mounted on the rear. The arrow panel should typically operate in the caution mode. The work vehicle placing cones shall follow directly behind the work vehicle applying the markings.

c. Protection Vehicles

A protection vehicle may follow the cone work vehicle when the cones are being placed and may follow when the cones are being removed.

3. MULTI-LANE ROADWAYS

A lead vehicle may be used but is not required. The work vehicle placing cones shall follow directly behind the work vehicle applying the markings. A protection vehicle that does not function as a work vehicle should follow the cone work vehicle when traffic cones are being placed. A protection vehicle should follow the cone work vehicle when the cones are being removed from the roadway. Protection vehicles shall display a sign on the rear of the vehicle with the legend PASS ON LEFT (RIGHT).

INTERSTATES AND LIMITED ACCESS ROADWAYS: A protection vehicle shall follow the last work vehicle at all times and shall be equipped with a truck mounted attenuator that is certified for impacts not less than 62 mph in accordance with NCHRP350 Test Level Three (3).

150.05 CHANNELIZATION

A. GENERAL

Channelization shall clearly delineate the travelway through the work zone and alert drivers and pedestrians to conditions created by work activities in or near the travelway. Channelization shall be done in accordance with the plans and specifications, the MUTCD, and the following requirements.
All Channelization Devices utilized on any project shall be NCHRP 350 compliant. Any device used on the Work shall be from the Qualified Products List. All devices utilized on the work shall have a decal, logo, or manufacturer's stamping that clearly identifies the device as NCHRP 350 compliant. The Contractor may be required to furnish certification from the Manufacturer for any device to prove NCHRP 350 compliance.

1. Types of Devices Permitted for Channelization in Construction Work Zones:

a. DRUMS:

1) DESIGN: Drums shall meet the minimum requirement of the MUTCD and shall be reflectorized as required in Subsection 150.01.D. The upper edge of the top reflectorized stripe on the drum shall be located a minimum of 33 inches above the surface of the roadway. A minimum drum diameter of 18 inches shall be maintained for a minimum of 34 inches above the roadway.

2) APPLICATION: Drums shall be used as the required channelizing device to delineate the full length of a lane closure, shift, or encroachment, except as modified by this Subsection.

3) TRANSITION TAPERS FOR LANE CLOSURES: Drums shall be used on all transition tapers. The minimum length for a merging taper for a lane closure on the travelway shall be as shown in Table 150-1:

TABLE 150-1

Posted Speed Limit, MPH	Lane Width 9 Feet	Lane Width 10 Feet	Lane Width 11 Feet	Lane Width 12 Feet	Maximum Drum Spacing in Tapers, (Feet)
	Minimum Taper Length (L) in Feet				
20	60	70	75	80	20
25	95	105	115	125	25
30	135	150	165	180	30
35	185	205	225	245	35
40	240	270	295	320	40
45	405	450	495	540	45
50	450	500	550	600	50
55	495	550	605	660	55
60	540	600	660	720	60
65	585	650	715	780	65
70	630	700	770	840	70
75	675	750	825	900	75

If site conditions require a longer taper then the taper shall be lengthened to fit particular individual situations.

The length of shifting tapers should be at least ½ L.

The length of a closed lane or lanes, excluding the transition taper(s), shall be limited to a total of two (2) miles. Prior approval must be obtained from the Engineer before this length can be increased.

Night time conditions: When a merge taper exists into the night all drums located in the taper shall have, for the length of the taper only, a six (6") inch fluorescent orange (ASTM Type VI, VII, VIII, IX or X) reflectorized top stripe on each drum. The top six-inch stripe may be temporarily attached to the drum while in use in a taper. The Engineer may allow the fluorescent orange reflectorized six (6") inch top stripe on each drum in a merging taper to remain in place during daylight hours provided there is a lane closure(s) with a continuous operation that begins during one nighttime period and ends during another nighttime period. All drums that have the six-inch top stripe permanently attached shall not be used for any other conditions.

Multiple Lane Closures:

(a) A maximum of one lane at a time shall be closed with each merge taper.

(b) A minimum tangent length of 2 L shall be installed between each individual lane closure taper.

4) LONGITUDINAL CHANNELIZATION: Drums shall be spaced as listed below for various roadside work conditions except as modified by

Subsection 150.06. Spacing shall be used for situations meeting any of the conditions listed as follows:

(a) 40 FOOT SPACING MAXIMUM

(1) For difference in elevation exceeding two inches.

(2) For healed sections no steeper than 4:1 as shown in Subsection 150.06, Detail 150-E.

(b) 80 FOOT SPACING MAXIMUM

(1) For difference in elevation of two inches or less.

(2) Flush areas where equipment or workers are within ten feet of the travel lane.

(c) 200 FOOT SPACING MAXIMUM: Where equipment or workers are more than ten feet from travel lane. Lateral offset clearance to be four feet from the travel lane.

(1) For paved areas eight feet or greater in width that are paved flush with a standard width travel lane.

(2) For disturbed shoulder areas not completed to typical section that are flush to the travel lane and considered a usable shoulder.

REMOVAL OF DRUMS: Drums may be removed after shoulders are completed to typical section and grassed. Guardrail and other safety devices shall be installed and appropriate signs advising of conditions such as soft or low shoulder shall be posted before the drums are removed.

b. VERTICAL PANELS

1) DESGN: All vertical panels shall meet the minimum requirements of the MUTCD. All vertical panels shall have a minimum of 270 square inches of retro-reflective area facing the traffic and shall be mounted with the top of the reflective panel a minimum of 36" above the roadway.

2) APPLICATION: Lane encroachment by the drum on the travelway should permit a remaining lane width of ten feet. When encroachment reduces the travelway to less than ten feet, vertical panels shall be used to restore the travelway to ten feet or greater. No other application of vertical panels will be permitted.

c. CONES

1) DESIGN: All cones shall be a minimum of 28 inches in height regardless of application and shall meet the requirement of the MUTCD. Reflectorization may be deleted from all cones.

2) APPLICATION: For longitudinal channelizing only, cones will be permitted for daylight closures or minor shifts. (Drums are required for all tapers.) The use of cones for nighttime work will not be permitted. Cones shall not be stored or allowed to be visible on the worksite during nighttime hours.

d. BARRICADES

DESIGN: Type III barricades shall meet the minimum requirements of the MUTCD and shall be reflectorized as required in Subsection 150.01.D. The Contractor has the option of choosing Type III barricades from the Qualified Products List or the Contractor may utilize generic barricades that are approved by the Federal Highway Administration (FHWA). When barricades have been specifically crash tested with signs attached, the contractor has the responsibility to attach the signs as per the manufacturer's recommendations to ensure crashworthiness. If signs are attached to generic barricades or to barricades from the Qualified Products List (QPL) that have not been crash tested with signs attached then the responsibility for crashworthiness and the liability for mounting these signs to the barricades are assumed by the Contractor and the Contractor shall certify that the barricades are crashworthy under FHWA workzone guidelines for NCHRP 350 crashworthy compliance. Any generic barricades used in the work shall be stamped or stenciled to show compliance with NCHRP 350. The use of Type I and Type II barricades will not be permitted.

1) APPLICATION: Type III barricades shall be placed as required by the plans, the Standards, and as directed by the Engineer. All signs mounted on barricades shall be mounted to comply with the requirements of the MUTCD and NCHRP 350 Test Level III. NCHRP 350 crashworthy compliance may require that rigid signs be mounted separate from the Type III barricade.

When a barricade is placed so that it is subject to side impact from a vehicle, a drum shall be placed at the side of the barricade to add target value to the barricade.

e. WARNING LIGHTS:

1) DESIGN: All warning lights shall meet the requirements of the MUTCD.

2) APPLICATION

(a) Type A low-intensity flashing lights shall be used as shown in the Plans, the Standards, and as directed by the Engineer. Flashing lights are not required for advance warning signs in Subsection 150.03.H.

(b) Type C Steady-Burn lights shall be used as shown in the Plans, the Standards, and as directed by the Engineer. Steady-burn lights are not required on drums for merging tapers that exist into the night.

f. TEMPORARY BARRIERS

1) DESIGN: Temporary barriers shall meet the requirements of Sections 620.

2) APPLICATION: Temporary barriers shall be placed as required by the plans, standards, and as directed by the Engineer. When Temporary barrier is located 20 feet or less from a travel lane, yellow reflectors shall be fixed to the top of the barrier at intervals not greater than 40 feet in the longitudinal section and 20 feet in the taper section and shall be mounted approximately two inches above the barrier. If both lanes of a two-lane two-way roadway are within 20 feet or less of the barrier then the reflectors shall be installed for both directions of traffic.

The reflectors shall be 100 square inches (ASTM Type VII or VIII) reflective sheeting mounted on flat-sheet blanks. The reflectors shall be mounted approximately two inches above the top of the barrier. The reflectors shall be attached to the barrier with adhesive or by a drilled-in anchor type device. The reflectors shall not be attached to a post or board that is placed between the gap in the barrier sections.

Approach end of Temporary barrier shall be flared or protected by an impact attenuator (crash cushion) or other approved treatment in accordance with Construction Details/Standards and Standard Specifications.

On interstate or other controlled access highways where lane shifts or crossovers cause opposing traffic to be separated by less than 40 ft., portable barrier shall be used as a separator.

B. PORTABLE IMPACT ATTENUATORS:

1. DESCRIPTION

This work consists of the furnishing (including spare parts), installation, maintenance, relocation, reuse as required, and removal of Portable Impact Attenuator Units/Arrays.

2. MATERIALS

Materials used in the Attenuator shall meet the requirements of Section 648 for Portable Impact Attenuators.

3. CONSTRUCTION

Portable Impact Attenuator Unit/Arrays installation shall conform to the requirements of Section 648, Manufacturer's recommendations and Georgia Standard 4960 and shall be installed at locations designated by the Engineer, and/or as shown on the plans.

C. TEMPORARY GUARDRAIL ANCHORAGE- Type 12:

1. DESCRIPTION

This work consists of the furnishing, installation, maintenance and removal or Temporary Guardrail Anchorage- Type 12 used for Portable Barrier or temporary guardrail end treatment.

2. MATERIALS

Materials used in the Temporary Guardrail Anchorage- Type 12 shall meet the requirements of Subsection 641.2 of the Specifications and current Georgia Standards and may be new or used. Materials salvaged from the Project which meet the requirements of Standards may be utilized if available. The use of any salvaged materials will require prior approval of the Engineer.

3. CONSTRUCTION

Installation of the Temporary Guardrail Anchorage- Type 12 shall conform to the requirements of the Plans, current Georgia Standards and Subsection 641.3 of the Specifications. Installation shall also include sufficient additional guardrail and appurtenances to effect the transition and connection to Temporary Concrete Barrier as required by the details in Georgia Standard 4960.

150.06 DIFFERENCES IN ELEVATION BETWEEN TRAVEL LANES AND SHOULDERS (SEE SUBSECTION 150.06.G FOR PROJECTS CONSISTING PRIMARILY OF ASPHALTIC CONCRETE RESURFACING ITEMS)

Any type of work such as paving, grinding, trenching, or excavation that creates a difference in elevation between travel lanes or between the travelway and the shoulder shall not begin until the Contractor is prepared and able to continuously place the required typical section to within two inches (2″) of the existing pavement elevation. For any areas that the two inches minimum difference in elevation cannot be accomplished the section shall be healed as shown in Detail 150-E. If crushed stone materials are used to provide a healed section no separate payment will be made for the material used to heal any section. The Contractor may submit a plan to utilize existing pay items for crushed stone provided the plan clearly demonstrates that the materials used to heal an area will be incorporated into the work with minimal waste. Handling and hauling of any crushed stone used to heal shall be kept to a minimum. The Engineer shall determine if the crushed stone used to heal meets the specifications for gradation and quality when the material is placed in the final location.

A maximum of sixty (60) calendar days shall be allowed for conditions to exist that require any section or segment of the roadway or ramp to continue to require a healed section as described by Detail 150-E. Failure to meet this requirement shall be considered as non-performance of Work under Subsection 150.08.

When trenching or excavation for minor roadway or shoulder widening is required, all operations at one site shall be completed to the level of the existing pavement in the same work day.

Any channelization devices utilized in the work shall conform to the requirements of Subsection 150.05 and to the placement and spacing requirements in Details 150-B, 150-C, 150-D, and 150-E shown in this section.

Any construction activity that reduces the width of a travel lane shall require the use of a W-20 sign with the legend "LEFT/RIGHT LANE NARROWS". Two 24" x 24" red or red/orange flags may be mounted above the W-20 sign. The W-20 sign shall be located on the side of the travelway that has been reduced in width just off the travelway edge of pavement. The W-20 sign shall be a minimum of 500 feet in advance of any channelization devices that encroach on the surface of travelway. A portable changeable message sign may be used in lieu of the W-20 sign.

GENERAL/TIME RESTRICTIONS:

A. STONE BASES, SOIL AGGREGATE BASE AND SOIL BASES

1. All Highways

Differences in elevation of more than two inches between surfaces carrying or adjacent to traffic will not be allowed for more than a 24-hour period. A single length of excavated area that does not exceed 1000 feet in total length may be left open as a start up area for periods not to exceed 48 hours provided the Contractor can demonstrate the ability to continuously excavate and backfill in a proficient manner. Prior approval of the Engineer shall be obtained before any startup area may be allowed.

2. LIMITED ACCESS HIGHWAY RAMPS (INTERSTATES):

On projects that include ramp rehabilitation work, one ramp at a time may be excavated for the entire length of the ramp from the gore point of the ramp with the interstate mainline to the intersection with the crossing highway. This single ramp may remain excavated with a vertical difference in elevation greater than two (2") inches for a maximum of fourteen (14) calendar days with drums spaced at twenty (20') feet intervals as shown in Detail 150-B and a buffer space accepted under Section 150.06.F. After fourteen (14) calendar days the section shall be healed as required for all other highways. This area will be allowed in addition to the 1000 feet allowed for all other highways.

B. ASPHALT BASES, BINDERS AND TOPPINGS

1. DIFFERENCES IN ELEVATION BETWEEN THE SURFACES OF ADJACENT TRAVELWAYS

Travel lanes shall be paved with a plan that minimizes any difference in elevation between adjacent travel lanes. The following limitations will be required on all work:

a. Differences of two inches (2") or less may remain for a maximum period of fourteen (14) calendar days.

b. Differences of greater than two inches (2") shall be permitted for continuous operations only.

EMERGENCY SITUATIONS: Inclement weather, traffic accidents, and other events beyond the control of the Contractor may prevent the work from being completed as required above. The Contractor shall notify the Engineer in writing stating the conditions and reasons that have prevented the Contractor from complying with the time limitations. The Contractor shall also outline a plan detailing immediate steps to complete the work. Failure to correct these conditions on the first calendar day that conditions will allow corrective work shall be considered as non-performance of Work under Subsection 150.08.

2. Differences in Elevation Between Asphalt Travelway and Paved Shoulders

Differences in elevation between the asphalt travelway and asphalt paved shoulders shall not be allowed to exist beyond the maximum durations outlined below for the conditions shown in Details 150-B, 150-C, 150-D, and 150-E:

Detail 150-B conditions shall not be allowed for more than 24 hours. A single length that does not exceed 1000 feet in total length may be left open for periods not to exceed 48 hours provided the Contractor can demonstrate the ability to continuously pave in a proficient manner. Prior approval of the Engineer shall be obtained before any section is allowed to exceed 24 hours. Any other disturbed shoulder areas shall be healed as in Detail 150-E.

Detail 150-C conditions will not be allowed for more than 48 hours.

Detail 150-D conditions will not be allowed for more than 30 calendar days.

Detail 150-E conditions will not be allowed for more than 60 calendar days.

Failure to meet these requirements shall be considered as non-performance of Work under Subsection 150.08.

C. PORTLAND CEMENT CONCRETE

Work adjacent to a Portland Cement Concrete traveled way which involves the following types of base and shoulders shall be accomplished according to the time restrictions outlined for each type of base or shoulder. Traffic control devices shall be in accordance with Subsection 150.05.

1. Cement Stabilized Base

Work adjacent to the traveled way shall be healed as per Detail 150-E within forty-eight (48) hours after the seven (7) calendar day curing period is complete for each section placed. During the placement and curing period, traffic control shall be in accordance Detail 150-B.

2. Asphaltic Concrete Base

When an asphaltic concrete base is utilized in lieu of a cement stabilized base the asphaltic concrete base shall be healed as per Detail 150-E within forty-eight (48) hours after the placement of each section of asphaltic concrete base. For the first forty eight hours traffic control shall be in compliance with Detail 150-B.

3. Concrete Paved Shoulders

Concrete paved shoulders shall be placed within sixty (60) calendar days after the removal of each section of existing shoulder regardless of the type of base materials being placed on the shoulders. During the placement period, traffic control devices shall be in accordance with the appropriate detail based on the depth of the change in elevation. Differences in elevation of more than two inches between the travel way and the shoulder will not be allowed for more than a 24-hour period. A single length of excavated area that does not exceed 1000 feet in total length may be left open as a start up area for periods not to exceed 48 hours provided the Contractor can demonstrate the ability to continuously excavate and backfill in a proficient manner. Prior approval of the Engineer shall be obtained before any startup area may be allowed. Any other disturbed shoulder areas shall be healed as in Detail 150-E.

4. Asphaltic Concrete Shoulders

A difference in elevation that meets the requirements of Detail 150-B shall not be allowed to exist for a period greater than forty-eight (48) hours. After the removal of the existing shoulder the section or segment of travelway may be healed with stone as per Detail 150-E for a maximum of fourteen (14) calendar days. Asphaltic concrete shoulders shall be placed within two (2″) inches or less of the traveled way surface within fourteen (14) calendar days after the removal of the stone healed section or the removal of each section of the existing shoulder. The two (2″) inches or less difference in elevation shall not remain in existence for a period that exceeds thirty (30) calendar days unless the paved shoulder is utilized as a detour for the traveled way. During the placement period, traffic control shall be in accordance with the appropriate detail based on the depth of the change in elevation.

The Contractor may propose an alternate plan based on Subsection 150.06.F. Failure to meet the above requirements and time restrictions shall be considered as non-performance of Work under Subsection 150.08.

D. MISCELLANEOUS ELEVATION DIFFERENTIALS FOR EXCAVATIONS ADJACENT TO THE TRAVELWAY

Drainage structures, utility facilities, or any other work which results in a difference in elevation adjacent to the travelway shall be planned and coordinated to be performed in such a manner to minimize the time traffic is exposed to this condition. The excavation should be back filled to the minimum requirements of Detail 150-E as soon as practical. Stage construction such as plating or backfilling the incomplete work may be required. The difference in elevation shall not be allowed to exist for more than five (5) calendar days under

any circumstances. Failure to correct this condition shall be considered as non-performance of Work under Subsection 150.08.

E. CONDUIT INSTALLATION IN PAVED AND DIRT SHOULDERS

The installation of conduit and conduit systems along the shoulders of a traveled way shall be planned and installed in a manner to minimize the length of time that traffic is exposed to a difference in elevation condition. The following restrictions and limitations shall apply:

1. Differences in Elevation of Two (2") Inches or Less

The shoulder may remain open when workers are not present. When workers are present the shoulder shall be closed and the channelization devices shall meet the requirements of Subsection 150.05. The difference in elevation on the shoulder shall remain for a maximum period of fourteen (14) calendar days.

2. Differences in Elevation Greater Than Two (2") Inches

The shoulder shall be closed. The shoulder closure shall not exceed twenty-four (24) hours in duration unless the Special Conditions in Subsection 150.11 modifies this restriction or the Engineer allows the work to be considered as a continuous operation.

Failure to meet these requirements shall be considered as non-performance of Work under Subsection 150.08.

F. MODIFICATIONS TO TIME RESTRICTIONS

The Contractor may propose any alternate temporary traffic control plan that utilizes a portion of the travel lane as a "buffer space". This buffer space may allow for an enhanced work area that will allow for the placement of materials to proceed at a pace that could not be achieved with the time restriction requirements outlined in Subsections 150.06.A, 150.06.B, and 150.06.C. The Contractor may propose modified time restrictions based on the use of the buffer space. Any proposed modifications in the time duration allowed for the differences in elevations to exist shall be reviewed by the Engineer as a component of the overall TTC plan. No modifications shall be made until the proposed plan is accepted by the Engineer. The Engineer shall have no obligation to consider any proposal which results in an increase in cost to the Department.

For the travel lane described in each of the Details 150-B, 150-C, 150-D and 150-E it is presumed that the pavement marking edgeline (yellow or white solid stripe) is located at the very edge of the travel lane surface. A buffer space (temporary paved shoulder) that utilizes a portion of the travel lane should be six (6') feet in width desirable but shall not be less than four (4') feet in width. Any remaining travel lane(s) shall not be less than ten (10') feet in width. Modifications to drum spacing shown in the details above will not be allowed.

If the proposed shifting of the traffic to obtain a buffer space and maintain a minimum travel lane(s) of ten (10') feet requires the use of any existing paved shoulders then the cost of maintenance and repair of the existing paved shoulder(s) shall be the responsibility of the Contractor. The Contractor is responsible for the costs of maintenance and repairs even if the existing paved shoulder(s) is to be removed in a later stage of the work. Existing shoulders that have rumble strips shall have the rumble strips removed before the shoulder can be utilized as part of the travel lane. The cost of the removal of the rumble strips shall be done at no cost to the Department even if the shoulder is to be removed in a later stage of the work.

Any modifications to the staging and time restrictions that are approved as part of the TTC plan shall be agreed to in writing. Failure to meet these modifications shall be considered as non-performance of the Work under Subsection 150.08.

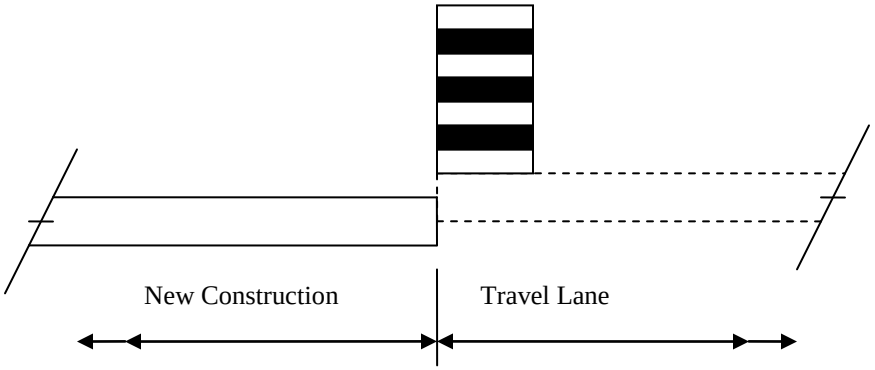
G. ASPHALTIC CONCRETE RESURFACING PROJECTS

SHOULDER CONSTRUCTION INCLUDED AS A PART OF THE CONTRACT: When the placement of asphaltic concrete materials creates a difference in elevation greater than two (2") inches between the earth shoulder (grassed or un-grassed) and the edge of travelway or between the earth shoulder and a paved shoulder that is less than four (4') feet in width, the Contractor shall place and maintain drums in accordance with the requirements of Subsection 150.05A.1.a.4). When the edge of the paved surface is tapered with a 30-45 degree wedge, drums may be spaced at 2.0 times the speed limit in MPH. Drums shall remain in place and be maintained until the difference in elevation has been eliminated by the placement of the appropriate shoulder materials.

SHOULDER CONSTRUCTION NOT INCLUDED AS A PART OF THE CONTRACT: When the placement of asphaltic concrete materials creates a difference in elevation greater than two (2") inches between the earth shoulder (grassed or un-grassed) and the edge of travelway or between the earth shoulder and a paved shoulder that is less than four (4') feet in width, the Contractor shall notify the Engineer, in writing, when the resurfacing work including all punchlist items has been completed.

See Subsection 150.03.L for the requirements for "LOW/SOFT SHOULDERS" and "SHOULDER DROP-OFF" signage.

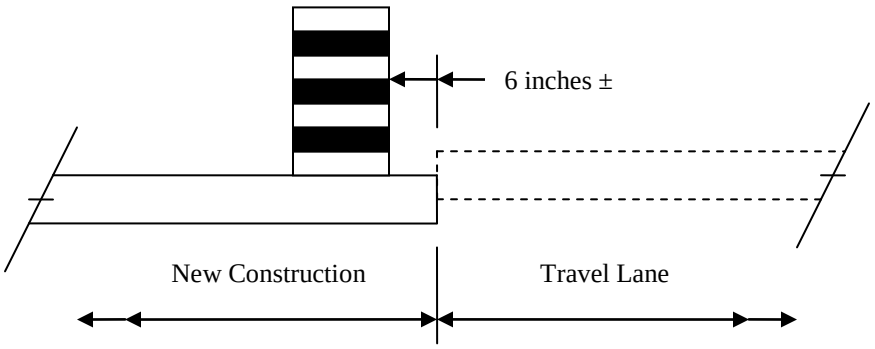
Location of drums when Elevation Difference exceeds 4 inches. Drums spaced at 20 foot intervals. **Note**: If the travel way width is reduced to less than 10 feet by the use of drums, vertical panels shall be used in lieu of drums.	



ELEVATION DIFFERENCE GREATER THAN 4 INCHES

DETAIL 150-B

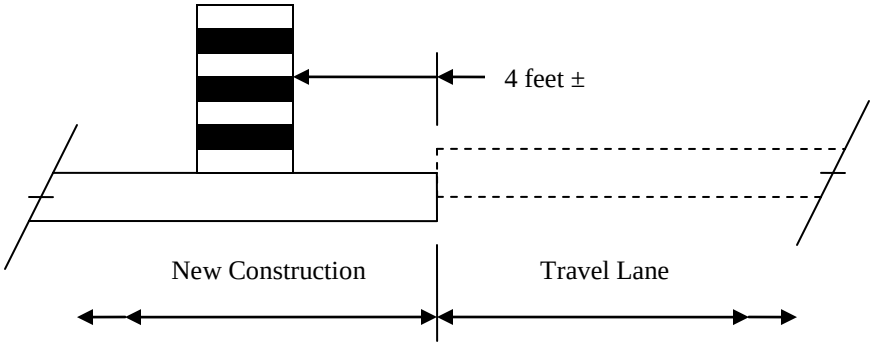
Drums spaced at 40 foot intervals.	Location of drums when Elevation Difference is 2+ inches to 4 inches.



ELEVATION DIFFERENCE 2+ to 4 inches

DETAIL 150-C

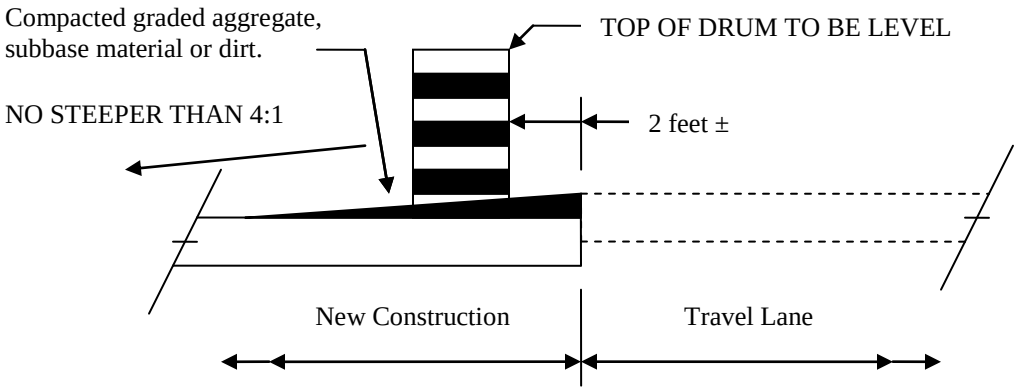
Drums spaced at 80 foot intervals.	Location of drums when Elevation Difference is 2 inches or less.



ELEVATION DIFFERENCE OF 2 INCHES OR LESS

DETAIL 150-D

	Location of drums immediately after completion of healed sections spaced at 40 foot intervals.



HEALED SECTION

DETAIL 150-E

150.07 FLAGGING AND PILOT CARS:

A. FLAGGERS

Flaggers shall be provided as required to handle traffic, as specified in the Plans or Special Provisions, and as required by the Engineer.

B. FLAGGER CERTIFICATION

All flaggers shall meet the requirements of the MUTCD and shall have received training and a certificate upon completion of the training from one of the following organizations:

National Safety Council
Southern Safety Services
Construction Safety Consultants
Ivey Consultants
American Traffic Safety Services Association (ATSSA)

Certifications from other agencies will be accepted only if their training program has been approved by any one of the organizations listed above.

Failure to provide certified flaggers as required above shall be reason for the Engineer suspending work involving the flagger(s) until the Contractor provides the certified flagger(s). Flaggers shall have proof of certification and valid identification (photo I.D.) available any time they are performing flagger duties.

C. FLAGGER APPEARANCE AND EQUIPMENT

Flaggers shall wear high-visibility clothing in compliance with Subsection 150.01.A. The apparel background (outer) material color shall be fluorescent orange-red, fluorescent yellow-green, or a combination of the two as defined in the ANSI standard. The retroreflective material shall be orange, yellow, white, silver, yellow-green, or a fluorescent version of these colors, and shall be visible at a minimum distance of one thousand (1000) feet. The retroreflective safety apparel shall be designed to clearly identify the wearer as a person. They shall use a Stop/Slow paddle meeting the requirements of the MUTCD for controlling traffic. The Stop/Slow paddles shall have a shaft length of seven (7) feet minimum. The Stop/Slow paddle shall be retro-reflectorized for both day and night usage. In addition to the Stop/Slow paddle, a flagger may use a flag as an additional device to attract attention. This flag shall meet the minimum requirements of the MUTCD. The flag shall, as a minimum, be 24" inches square and red or red/orange in color. For night work, the vest shall have reflectorized stripes which meet the requirements of the MUTCD.

D. FLAGGER WARNING SIGNS

Signs for flagger traffic control shall be placed in advance of the flagging operation in accordance with the MUTCD. In addition to the signs required by the MUTCD, signs at regular intervals, warning of the presence of the flagger shall be placed beyond

the point where traffic can reasonably be expected to stop under the most severe conditions for that day's work.

E. PILOT VEHICLE REQUIREMENTS

Pilot vehicles will be required during placement of bituminous surface treatment or asphaltic concrete on two-lane roadways unless otherwise specified. Pilot vehicles shall meet the requirements of the MUTCD.

F. PORTABLE TEMPORARY TRAFFIC CONTROL SIGNALS

The Contractor may request, in writing, the substitution of portable temporary traffic control signals for flaggers on two-lane two-way roadways provided the temporary signals meets the requirements of the MUTCD, Section 647, and Subsection 150.02.A.8. As a part of this request, the Contractor shall also submit an alternate temporary traffic control plan in the event of a failure of the signals. Any alternate plan that requires the use of flaggers shall include the use of certified flaggers. The Contractor shall obtain the approval of the Engineer before the use of any portable temporary traffic control signals will be permitted.

150.08 ENFORCEMENT

The safe passage of pedestrians and traffic through and around the temporary traffic control zone, while minimizing confusion and disruption to traffic flow, shall have priority over all other Contractor activities. Continued failure of the Contractor to comply with the requirements of Section 150 (TRAFFIC CONTROL) will result in non-refundable deductions of monies from the Contract as shown in this Subsection for non-performance of Work.

Failure of the Contractor to comply with this Specification shall be reason for the Engineer suspending all other work on the Project, except erosion control and traffic control, taking corrective action as specified in Subsection 105.15, and/or withholding payment of monies due to the Contractor for any work on the Project until traffic control deficiencies are corrected. These other actions shall be in addition to the deductions for non-performance of traffic control.

SCHEDULE OF DEDUCTIONS FOR EACH CALENDAR DAY OF DEFICIENCIES OF TRAFFIC CONTROL INSTALLATION AND/OR MAINTENANCE		
ORIGINAL TOTAL CONTRACT AMOUNT		
From More Than	To and Including	Daily Charge
$0	$100,000	$200
$100,000	$1,000,000	$500
$1,000,000	$5,000,000	$1,000
$5,000,000	$20,000,000	$1,500
$20,000,000	$40,000,000	$2,000
$40,000,000	$----------	$3,000

150.09 MEASUREMENT

A. TRAFFIC CONTROL

When listed as a pay item in the Proposal, payment will be made at the Lump Sum price bid, which will include all traffic control not paid for separately, and will be paid as follows:

When the first Construction Report is submitted, a payment of 25 (twenty-five) percent of the Lump Sum price will be made. For each progress payment thereafter, the total of the Project percent complete shown on the last pay statement plus 25 (twenty-five) percent will be paid (less previous payments), not to exceed one hundred (100) percent.

When no payment item for *Traffic Control-Lump Sum* is shown in the Proposal, all of the requirements of Section 150 and the Temporary Traffic Control Plan shall be in full force and effect. The cost of complying with these requirements will not be paid for separately, but shall be included in the overall bid submittal.

B. SIGNS

When shown as a pay item in the contract, interim special guide signs will be paid for as listed below. All other regulatory, warning, and guide signs, as required by the Contract, will be paid for under Traffic Control Lump Sum or included in the overall bid submitted.

1. Interim ground mounted or interim overhead special guide signs will be measured for payment by the square foot. This payment shall be full compensation for furnishing the signs, including supports as required, erecting,

illuminating overhead signs, maintaining, removing, re-erecting, and final removal from the Project. Payment will be made only one time regardless of the number of moves required.

2. Remove and reset existing special guide signs, ground mount or overhead, complete, in place, will be measured for payment per each. Payment will be made only one time regardless of the number of moves required.

3. Modify special guide signs, ground mount or overhead, will be measured for payment by the square foot. The area measured shall include only that portion of the sign modified. Payment shall include materials, removal from posts or supports when necessary, and remounting as required.

C. TEMPORARY BARRIER

Temporary Barrier shall be measured as specified in Section 622.

D. CHANGEABLE MESSAGE SIGN, PORTABLE

Changeable Message Sign, Portable will be measured as specified in Section 632.

E. TEMPORARY GUARDRAIL ANCHORAGE, Type 12

Temporary Guardrail Anchorage- Type 12 will be measured by each assembly, complete in place and accepted according to the details shown in the plans, which shall also include the additional guardrail and appurtenances necessary for transition and connection to Temporary Concrete Barrier. Payment shall include all necessary materials, equipment, labor, site preparation, maintenance and removal.

F. TRAFFIC SIGNAL INSTALLATION- TEMPORARY

Traffic Signal Installation- Temporary will be measured as specified in Section 647.

G. FLASHING BEACON ASSEMBLY

Flashing Beacon Assemblies will be measured as specified in Section 647.

H. PORTABLE IMPACT ATTENUATORS

Each Portable Impact Attenuator will be measured by the unit/array which shall include all material components, hardware, incidentals, labor, site preparation, and maintenance, including spare parts recommended by the manufacturer for repairing accident damage. Each unit will be measured only once regardless of the number of locations installed, moves required, or number of repairs necessary because of traffic damage. Upon completion of the project, the units shall be removed and retained by the Contractor.

I. PAVEMENT MARKINGS

Pavement markings will be measured as specified in Section 150.

J. TEMPORARY WALKWAYS WITH DETECTABLE EDGING

Temporary walkways with detectable edging will be measured in linear feet (meters), complete in place and accepted, which shall include all necessary materials, equipment, labor, site preparation, temporary pipes, passing spaces, maintenance and removal. Excavation and backfill are not measured separately for payment. No payment will be made for temporary walkways where existing pavements or existing edging (that meets the requirements of MUTCD) are utilized for the temporary walkway. Payment for temporary detectable edging, including approved barriers and channelizing devices, installed on existing pavement shall be included in Traffic Control-Lump Sum.

K. TEMPORARY CURB CUT WHEELCHAIR RAMPS

Temporary curb cut wheelchair ramps are measured as the actual number formed and poured, complete and accepted, which shall include all necessary materials, equipment, labor, site preparation, maintenance and removal. No additional payment will be made for sawing existing sidewalk and removal and disposal of removed material for temporary wheelchair ramp construction. No additional payment will be made for constructing the detectable warning surface.

L. TEMPORARY AUDIBLE INFORMATION DEVICE

Temporary audible information devices are measured as the actual number furnished and installed in accordance with the manufacturer's recommendations, which shall include all necessary materials, equipment, labor, site preparation, maintenance and removal. Each temporary audible information device will be paid for only one time regardless of the number of times it's reused during the duration of The Work. These devices shall remain the property of the Contractor.

150.10 PAYMENT:

When shown in the Schedule of Items in the Proposal, the following items will be paid for separately.

Item No. 150. Traffic Control	Lump Sum
Item No. 150. Traffic Control, Solid Traffic Stripe _ Inch, (Color).....	per Linear Mile
Item No. 150. Traffic Control, Skip Traffic Stripe _ Inch, (Color)	per Linear mile
Item No. 150. Traffic Control, Solid Traffic Stripe, Thermoplastic ____ Inch, (Color)	per Linear Mile
Item No. 150. Traffic Control, Skip Traffic Stripe, Thermoplastic _____ Inch, (Color)	per Linear Mile
Item No. 150. Traffic Control, Pavement Arrow with Raised Reflectors	per Each
Item No. 150. Traffic Control, Raised Pavement Markers-All Types.	per Each

Item No. 150. Interim Ground Mounted Special Guide Signs ……..	per Square Foot
Item No. 150. Interim Overhead Special Guide Signs ……..	per Square Foot
Item No. 150. Remove & Reset Existing Special Guide Signs, Ground Mount, Complete in Place ……	per Each
Item No. 150. Remove & Reset, Existing Special Guide Signs, Overhead, Complete in Place ……..	per Each
Item No. 150. Traffic Control, Portable Impact Attenuator……	per Each
Item No. 150. Traffic Control, Pavement Markers, Words and Symbols ……	per Square Foot
Item No. 150. Traffic Control, Pavement Arrow (Painted) with Raised Reflectors ……	per Each
Item No. 150. Traffic Control, Workzone Law Enforcement……..	per Hour
Item No. 150. Modify Special Guide Sign, Ground Mount……..	per Square Foot
Item No. 150. Modify Special Guide Sign, Overhead……	per Square Foot
Item No. 150. Temporary Walkways With Detectable Edging……	per Linear foot
Item No. 150. Temporary Curb Cut Wheelchair Ramps……..	per Each
Item No. 150. Temporary Audible Information Device……..	per Each
Item No. 620. Temporary Barrier……..	per Linear Foot
Item No. 632. Changeable Message Sign, Portable ……..	per Each
Item No. 641. Temporary Guardrail Anchorage, Type 12 ……	per Each
Item No. 647. Traffic Signal Installation, Temp ……	Lump Sum
Item No. 647. Flashing Beacon Assembly, Structure Mounted …..	per Each
Item No. 647. Flashing Beacon Assembly, Cable Supported ……..	per Each

Revised: July 30, 2018

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

Section 167—Water Quality Monitoring

Delete Section 167 and substitute the following:

167.1 General Description

This Specification establishes the Contractor's responsibility to meet the requirements of the current National Pollutant Discharge Elimination System (NPDES) Infrastructure Permit No. GAR100002 as it pertains to Part IV. Erosion, Sedimentation and Pollution Control Plan. In the case of differing requirements between this specification and the Permit, whichever is the more stringent requirement shall be adhered to.

167.1.01 Definitions

Certified Personnel— certified personnel are defined as persons who have successfully completed the appropriate certification course approved by the Georgia Soil and Water Conservation Commission. For Department projects the certified person must also have successfully completed the Department's Worksite Erosion Control Supervisor (WECS) certification course.

Water Quality Sampling – as used within this specification, the term "sampling" shall be inclusive of the acts of detecting, noting, discerning, monitoring, etc. for the purpose of gauging compliance with the NPDES General Permit GAR100002.

Qualifying Rainfall Sampling Event—as used within this specification, means that which is defined in the NPDES General Permit GAR100002, Part IV.D.6.d(3).

167.1.02 Related References

A. Standard Specifications

Section 161—Control of Soil Erosion and Sedimentation

B. Referenced Documents

NPDES Infrastructure Permit No. GAR100002

GDOT WECS seminar.

Environmental Protection Divisions Rules and Regulations (Chapter 391-3-7)

Georgia Soil and Water Conservation Commission Certification Level IA course

OCGA 12-7-1

Erosion, Sedimentation and Pollution Control Plan (ESPCP)

167.1.03 Submittals

General Provisions 101 through 150

167.2 Materials

General Provisions 101 through 150.

167.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

167.3 Construction Requirements

167.3.01 Personnel

Use GASWCC Level IA certified and WECS certified personnel to perform all monitoring, sampling, inspections, and rainfall data collection.

Use the Contractor-designated WECS or select a prequalified consultant from the Qualified Consultant List (QCL) to perform water quality monitoring, sampling, inspections, and rainfall data collection.

The Contractor is responsible for having a copy of the current GAR100002 Permit onsite at all times.

167.3.02 Equipment

Provide equipment necessary to complete the Work or as directed by the Engineer.

167.3.03 Preparation

General Provisions 101 through 150.

167.3.04 Fabrication

General Provisions 101 through 150.

167.3.05 Construction

A. General

Perform inspections, rainfall data collection, testing of samples, and reporting the test results on the project according to the requirements in Part IV of the NPDES Infrastructure Permit and this Specification. Take samples manually or use automatic samplers, according to the GAR100002 permit. Note that the GAR100002 permit requires the use of manual sampling or rising stage sampling for qualifying events that occur after the first instance of the automatic sampler not being activated during a qualifying event. Analyze all samples according to the Permit, regardless of the method used to collect the samples. If samples are analyzed in the field using portable turbidimeters, the monitoring results shall state they are being used and a digital readout of NTUs is what is provided. Submit bench sheets, work sheets, etc., when using portable turbidimeters. There are no exceptions to this requirement. Perform required inspections and submit all reports required by this Specification within the time frames specified. Failure to perform the inspections within the time specified will result in the cessation of all construction activities with the exception of traffic control and erosion control. Failure to submit the required reports within the times specified will result in non-refundable deductions as specified in Subsection 161.5.01.B.

B. Water Quality Inspections

The Department will provide one copy of the required inspection forms for use and duplication. Inspection forms may change during the contract to reflect regulatory agency needs or the need of the Department. Any costs associated with the change of inspection forms shall be considered incidental. Alternate formats of the provided forms may be created, used and submitted by the Contractor provided the required content and/or data fields and verbatim certification statements from the Department's current forms are included.

The Engineer shall inspect the installation and condition of each erosion control device required by the erosion control plan within seven days after initial installation. This inspection is performed for each stage of construction when new devices are installed. The WECS shall ensure all installation deficiencies reported by the Engineer are corrected within two business days.

Ensure the inspections of the areas listed below are conducted by certified personnel and at the frequencies listed. Document all inspections on the appropriate form provided by the Department.

1. Daily (when any work is occurring):
    a. Petroleum product storage, usage and handling areas for spills or leaks from vehicles or equipment.
    b. All locations where vehicles enter/exit the site for evidence of off-site sediment tracking.

Continue these inspections until a Notice of Termination (NOT) is submitted.and use the daily inspection forms.

2. Weekly and after Rainfall Events:

   Conduct inspections on these areas every seven calendar days and within twenty-four hours after the end of a rainfall event that is 0.5 in (13 mm) or greater (unless such storm ends after 5:00 PM on any Friday or any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first):

   a. Disturbed areas not permanently stabilized
   b. Material storage areas that are exposed to precipitation or stormwater and poses a risk to discharging pollutants
   c. Structural control measures, Best Management Practices (BMPs) to ensure they are operating correctly
   d. Water quality sampling locations and equipment
   e. Discharge locations or points, e.g., outfalls and drainage structures that are accessible to determine if erosion control measures are effective in preventing significant impacts to receiving waters

   Continue these inspections until all temporary BMPs are removed and a NOT is submitted and use the EC-1 Form.

3. Monthly:

   Once per month, inspect all areas where final stabilization has been completed. Look for evidence of sediments or pollutants entering the drainage system and or receiving waters. Inspect all permanent erosion control devices remaining in place to verify the maintenance status and that the devices are functioning properly. Inspect discharge locations or points, e.g. outfalls, drainage structures, that are accessible to determine if erosion control measures are effective in preventing significant impacts to receiving waters.

   Continue these inspections until the Notice of Termination is submitted and use the monthly inspection form.

C. Water Quality Sampling

When the sampling location is a receiving water, the upstream and downstream samples are taken for comparison of NTU values. When the sampling location is an outfall, a single sample is taken to be analyzed for its absolute NTU value.

D. Reports

1. Inspection Reports:

   Summarize the results of inspections noted above in writing on the appropriate Daily, Weekly, Monthly, or EC-1form provided by the Department and includes the following information:

   - Date(s) of inspection
   - Name of certified personnel performing inspection
   - Construction phase
   - Status of devices
   - Observations
   - Action taken in accordance with Part IV.D.4.a.(5) of the GAR100002 Permit
   - Signature of personnel performing the inspection
   - Any instance of non-compliance

   When the report does not identify any non-compliance instances, the inspection report shall contain a statement that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. (See the EC-1 form.)

   The reports shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction project that has been phased has undergone final stabilization and a Notice of Termination is submitted to the Georgia Department of Natural Resources

Environmental Protection Division (GAEPD). Such reports shall be readily available by the end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. The inspection form certification sheet shall be signed by the project WECS and the inspector performing inspections on behalf of the WECS (if not the same person). Submit all inspection reports to the Engineer within twenty-four hours of the inspection. The Engineer will review the submitted reports to determine their accuracy. The Engineer will notify the certified personnel of any additional items that should be added to the inspection report.

Complete any items listed in the inspection report requiring routine maintenance within seventy–two (72) hours of notification or immediately during perimeter BMP failure emergencies. Deficiencies that interfere with traffic flow, safety, or downstream turbidity shall have immediate reasonable steps taken to address the deficiencies.

BMPs that have failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State shall have immediate reasonable steps taken to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. If the correction requires a new or replacement BMP or significant repair, the correction must be completed and operational within seven (7) days from the time of discovery. If seven (7) days is infeasible, document why the timeframe is infeasible and coordinate with the Engineer to schedule the correction as soon as feasible after the seven (7) day timeframe. The Department must be in agreement with the infeasibility.

Assume responsibility for all costs associated with additional sampling as specified in Part IV.D.6.d.3.(c) of the NPDES GAR100002 Permit if either of these conditions arise:

- BMPs shown in the Plans are not properly installed and maintained, or
- BMPs designed by the Contractor are not properly designed, installed and maintained.

2. Sampling Reports
    a. All sampling shall be performed in accordance with the requirements of the GAR100002 Permit for the locations identified in the ESPCP approved by the Department.
    b. Report Requirements

    Include in all reports, the following certification statement, signed by the WECS or consultant providing sampling on the project:

    > "I certify under penalty of law that this report and all attachments were prepared under my direct supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

    When a rainfall event requires a sample to be taken, submit a report of the sampling results to the Engineer within seven working days of the date the sample was obtained. Include the following information in each report:

    1) Date and time of sampling
    2) Name of certified person(s) who performed the sampling and analyses.
    3) Date the analyses were performed
    4) Time the analyses were initiated
    5) Rainfall amount on the sampling date (sampling date only)

6) References and written procedures, when available, for the analytical techniques or methods used
7) Whether the samples were taken by automatic sampler, rising-stage sampler, or manually (grab sample)
8) The NTU of each sample, the results of the analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine the results
9) Location where each sample was taken (station number and left or right offset)
10) Identification of whether a sample is a receiving-water sample or an outfall sample
11) Project number and county
12) A clear note if a sample exceeds 1000 NTUs by writing "exceeds 1000 NTUs" prominently upon the report

c. Report Requirements with No Qualifying Rainfall Events

In the event a qualifying rainfall event does not produce a discharge to sample, or sampling is "impossible", as defined in the GAR1000002 Permit, a written justification must be included in the report as required at Part IV.D.4.a.(6) of the GAR100002 Permit.

d. Sampling Results

Provide sampling results to the Project Engineer within 48 hours of the samples being analyzed. This notification may be verbal or written. This notification does not replace the requirement to submit the formal summary to the Engineer within 7 working days of the samples being collected. The Engineer will ensure submission of the sampling report to GAEPD by the 15th of the month following the sampling results as per the GAR100002 Permit. The WECS will be held accountable for delayed delivery to the Department which results in late submissions to GAEPD resulting in enforcement actions.

3. Rainfall Data Reports:

Record the measurement of rainfall within disturbed areas that have not met final stabilization once each twenty-four hour period, except for non-working Saturdays, non-working Sundays and non-working Federal Holidays until a Notice of Termination is submitted. Project rain gauges and those used to trigger the automatic samplers are to be emptied after every rainfall event. This will prevent a cumulative effect and prevent automatic samplers from taking samples even though the rainfall event is not a qualifying event. The daily rainfall data supplied by the WECS to the Engineer will be the official rainfall data for the project for compliance with the permit.

167.3.06 Quality Acceptance

General Provisions 101 through 150.

167.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

167.4 Measurement

Water Quality Inspections in accordance with the inspection and reports sub-sections will be measured for payment by the month up to the time the Contract Time expires. Required inspections and reports after Contract Time has expired will not be measured for payment unless a time extension is granted.

Water Quality Sampling is measured per each. "Each" means each qualifying rainfall sampling event, not each sampled site.

167.4.01 Limits

General Provisions 101 through 150. Submit the monitoring summary report to the Engineer within 7 working days

167.5 Payment

Payment for Water Quality Inspections and Water Quality Sampling will be made as follows:

Water Quality Inspections will be paid at the Contract Price per month. This is full compensation for performing the requirements of the inspection section of the NPDES Permit and this Specification, any and all necessary

incidentals, and providing results of inspections to the Engineer, within the time frame required by the NPDES Infrastructure Permit, and this Specification.

Water Quality Monitoring and Sampling per each qualifying rainfall sampling event is full compensation for meeting the requirements of the monitoring sections of the NPDES Permit and this Specification, obtaining samples, analyzing samples, any and all necessary incidentals, and providing results of turbidity tests to the Engineer, within the time frame required by the NPDES Infrastructure Permit, and this Specification. This item is based on the rainfall events requiring sampling as described in Part IV.D.6 of the Permit. The Department will not pay for samples taken and analyzed for rainfall events that are not qualifying events as compared to the daily rainfall data supplied by the WECS.

Payment will be made under:

Item No. 167	Water quality inspections	Per month

Water Quality Monitoring and Sampling will be paid per each qualifying rainfall sampling event.

Payment will be made under:

Item No. 167	Water quality monitoring and sampling	Per each

167.5.01 Adjustments

General Provisions 101 through 150.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

Webb Bridge Road over Big Creek
Alpharetta, Georgia

SECTION 523 - DYNAMIC PILE TESTING

523.1 General Description

The work consists of performing dynamic pile testing using the Pile Driving Analyzer (PDA) to monitor the driving of piles with accelerometer and strain gauges attached to the piles. Piles to be dynamically tested will be identified in the Special Provision or on the Plans. Prior to pile driving, the Engineer will determine production or test piles to be dynamically tested. Perform the dynamic pile testing in accordance with ASTM D4945-12.

Take dynamic measurements during driving of any required piles. Drive the pile as shown in the Special Provisions or on the Plans.

523.2 Materials

Furnish measuring instruments for dynamic pile testing. Attach instruments near the top of the piles with bolts placed in drilled holes. Furnish materials, labor and equipment necessary for installation of the instruments.

523.3 Construction Requirements

Measure wave speed prior to driving piles. Wave speed measurements will not be required for Steel H piles or metal shell piles. When wave speed measurements are performed, place the piles in a horizontal position not in contact with other piles.

Perform dynamic pile testing during driving. Modify the driving to reduce the stress and/or eliminate the damage, should the recommended stress level be exceeded or if damage occurs (determined visually or as indicated by the instrumentation).

Do not exceed the following maximum driving stresses, as determined by the dynamic pile testing:

1. For Steel piles:

   0.9 Fy, where Fy = Yield strength of steel

2. For Prestressed Concrete Piles:

   Compression:

   $\sigma_{dr} = (0.85f'_c - f_{pe})$

   Tension in Normal Environments:

   $\sigma_{dr} = (0.095\sqrt{f'_c} + f_{pe})$

   Tension in Severe Corrosive Environments:

   $\sigma_{dr} = \varphi_{da} f_{pe}$

   where;
   σ_{dr} = maximum allowed driving stress, ksi
   $f'c$= specified minimum 28-day compressive strength of concrete, ksi
   $f pe$= effective prestress in concrete, ksi, (after all losses) at the time of driving taken as 0.78 times the initial prestress force

Re-drive friction piles that do not obtain bearing after a freeze period of a minimum of 24 hours or for a period designated on the Plans, whichever is longer. Reset the gauges if required. Re-strike the pile with a warm hammer until a maximum penetration of 3 inches (76 mm) or 40 blows is reached, whichever occurs first. The Engineer may modify the Pile Driving Objective based on the results of the PDA work.

Provide two weeks' notice prior to the driving of designated piles and cooperate with the Engineer in connection with the performance of Dynamic Pile Testing.

Provide a complete report consisting of but not limited to PDA field monitoring data, results of CAPWAP computer analyses, and recommendations such as pile lengths, hammer fuel setting, and valid driving criteria. Valid driving criteria is defined as having the required hammer having a hammer set greater than 3 blows per inch and less than 10 blows per inch at the driving resistance for that pile. Submit the report electronically in PDF format and the electronic data files of the PDA analysis and CAPWAP to the Geotechnical Bureau and allow seven (7) calendar days for review and approval before proceeding with driving production piles.

523.4 Measurement

The Dynamic Pile Tests performed in accordance with these Specifications will be counted separately for payment. (Refer to plans summary sheet for the required amount of PDA testing.)

523.5 Payment

The Dynamic Pile Test completed and accepted will be paid for at the Contract unit Price. This payment will be full compensation for all costs of complying with this specification, including incidentals, additional work, and any delays incurred in conjunction therewith.

Payment will be made under:

Item No. 523. Dynamic Pile Test_____ . . . . . Per Each

Office of Materials and Testing

City of Alpharetta, Fulton County, Georgia

SPECIAL PROVISION

Project: Webb Bridge Rd Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway

Section 999 – Miscellaneous Construction

Section 999.1 General Description

Pay Item No. 999-9999 is intended for Miscellaneous Construction which may or may not be required on the project as directed/requested by the Engineer. Use of this item will be only as specifically authorized by the City of Alpharetta.

Every effort will be made to negotiate an acceptable price with the Contractor for miscellaneous construction. If the City of Alpharetta is unable to negotiate an agreeable price with the Contractor, Alpharetta reserves the right to negotiate both price and warranties with specialty contractors for this purpose. The Contractor will then be required to include the work authorized, utilizing the authorized specialty subcontractor. A maximum allowance of 5% may be included for overhead purposes of the prime contractor above the negotiated specialty contractor agreement.

Section 999.2 Payment

Payment for this item will be only for amounts authorized by the Engineer. Final Payment may or may not equal 100% of the Price included in the Contract.

Payment will be made under:

Item No. 999-9999 Miscellaneous Construction……..per dollar

Bridge Foundation Investigation (LRFD)
Webb Bridge Road over Big Creek
Alpharetta, Georgia
S&ME Project No. 21800004, Rev. 2

PREPARED FOR:

Pond
3500 Parkway Lane, Suite 500
Peachtree Corners, Georgia 30092

PREPARED BY:

S&ME, Inc.
4350 River Green Parkway, Suite 200
Duluth, Georgia 30096

July 5, 2022

July 5, 2022

Pond
3500 Parkway Lane, Suite 500
Peachtree Corners, Georgia 30092

Attention: Mr. Arwin Lopez, P.E.

Reference: **Bridge Foundation Investigation (LRFD)**
Webb Bridge Road over Big Creek
Alpharetta, Georgia
S&ME Project No. 21800004, Rev. 2

Dear Mr. Lopez:

S&ME, Inc. (S&ME) is pleased to submit this *Bridge Foundation Investigation (LRFD)* for the subject project Alpharetta, Georgia. Our services were performed in accordance with our Proposal No. 12-2000298, dated November 1, 2021. We have revised this report to include results of shear wave velocity testing at the site and to update our pile recommendations based on updated pile sizes and scour information. We appreciate the opportunity to serve as the geotechnical engineering consultant during this phase of the project. Please contact us with questions regarding this report, or if we may be of further assistance.

Sincerely,

S&ME, Inc.

GEORGIA REGISTERED No. 030803 PROFESSIONAL ENGINEER JEFFREY A. DOUBRAVA

Mark J. Tilashalski, P.E.
Project Engineer
GA PE Reg. No. 044662
mtilashalski@smeinc.com

Jeffrey A. Doubrava, P.E.
Vice President / Principal Engineer
GA PE Reg. No. 30803
jdoubrava@smeinc.com

Table of Contents

Project Information 3

General Information 3

Foundation Recommendations 4

Pile Properties 4

Design Loads 4

Foundation Loads 4

Foundation Elevations 5

General Notes 5

Pile Foundation Notes 5

QA/ QC 7

Appendix

Project Information

Location / Project Description	This project is for the construction of a 200-foot long, four-span bridge to carry Webb Bridge Road over Big Creek in Alpharetta, Georgia. The bridge begins at Station 133+73 and ends at Station 135+73. Refer to *Figure 1: Site Location Plan* in the Appendix.

General Information

Geologic Formation	This project is geologically sited in a quartzite formation in Georgia's Piedmont Physiographic Province.
Subsurface Features	The borings referenced for this bridge are B-01 through B-04. Refer to *Figure 2: Test Location Plan* in the Appendix. Beneath the surface cover of asphalt and aggregate base, the borings encountered fill materials that were visually described as sandy silts (ML) and lean clays (CL). N-values in the fill materials ranged from 2 to 8 bpf. Beneath the fill, the borings encountered alluvium which generally consisted of an upper layer of sandy silt (ML) underlain by a layer of sands (SW and SP). N-values in the silt ranged from 2 to 3 bpf and in the sand ranged from weight of hammer (WOH) to 27 bpf. Residuum consisting of sandy silt (ML) and silty sand (SM) was encountered below the alluvium. N-values in the residuum ranged from 11 to 69 bpf. Partially weathered rock (PWR) was encountered in the borings at elevations ranging from about 945 to 951 feet. Auger refusal was encountered in borings B-02, B-03, and B-04 at elevations of 935, 945.7, and 942.3 feet, respectively. Groundwater was encountered after drilling in the borings at depths ranging from about 11 to 17 feet (Elevations 970 to 976 feet). Note that groundwater levels fluctuate with seasonal and cyclical variations in rainfall and temperature.
Site Classification	We recommend a site class of "D" per AASHTO LRFD 3.10.3.1.

Foundation Recommendations

Bent	Drilled Shaft (Bearing)	Spread Footing (Bearing)	Pile Footing (Pile Type)	Pile Bent (Pile Type)
1 & 3	-	-	-	H-Pile
2	-	-	-	H-Pile

Pile Properties

Pile Type	Pile Size	Nominal Compression Stress (ksi)	Nominal Tension Stress (ksi)	Factored Structural Resistance (kips)
H-Pile (50 ksi)	14x89	45.0	45.0	653
H-Pile (50 ksi)	12x53	45.0	45.0	384

Design Loads

Bent	Maximum Factored Strength Limit State (kips)	Service Load (kips)
1	193	150
2	283	209
3	283	209
4	283	209
5	193	150

Foundation Loads

Bent	Pile Type	Pile Size	Down Drag (kips)	Scour (kips)	Driving Resistance (kips)
1	HP (50 ksi)	12 x 53	6	0	313
2	HP (50 ksi)	14 x 89	0	8	443
3	HP (50 ksi)	14 x 89	0	110	545
4	HP (50 ksi)	14 x 89	0	111	546
5	HP (50 ksi)	12 x 53	9	0	320

Foundation Elevations

Bent	Minimum Pile Tip	Estimated Pile Tip
1	951	946
2	946	944
3	935	935
4	935	935
5	954	948

General Notes

Elevations Elevations were based on an elevation of 996.6 feet at Control Point D-22 located at N 1483810.24 E 2270710.36.

Waiting Period None required.

Theoretical Scour Appears feasible for the material encountered.

As-Built Foundation Information The as-built foundation information should be forwarded to the Geotechnical Engineering Bureau upon completion of the foundation system.

Pile Foundation Notes

Pile Driving Objective Driving resistance after minimum tip elevations are achieved in conjunction with GDOT Standard Specification 520.3.05.D.2 and Special Provision 523 Dynamic Pile Testing. PDA testing should be performed for one pile at Bents 1 (Right) and 2 (left).

Driving Resistance Driving resistance is based on the following field verification method and resistance factor φ_{dyn} AASHTO LRFD 2014 (10.5.5.2.3-1):

Verification Method	Resistance Factor
Driving criteria established by dynamic testing, quality control by dynamic testing of at least two piles per site condition, but no less than 2% of production piles.	0.65

Downdrag

The load factor, λ_p, used to calculate the downdrag force per AASHTO LRFD 2017 (3.4.1-2):

Method	Load Factor
α Tomlinson Method	1.05

Drivability

A drivability analysis has been completed on the piles at each bent to help establish their respective minimum and estimated pile tips with a Delmag model D 16-32 diesel impact hammer.

Points

Pile points are recommended for Bents 1 2, and 5 to be driven on this project to help achieve adequate penetration into very dense weathered rock. The use of points should be at the direction of the Engineer.

Pilot Holes

Pilot holes should be set up for the H-piles at Bents 3 and 4 due to required embedment in rock. Drill 24" diameter pilot holes to a minimum elevation of 935 feet.

The pilot holes must be clean and free of debris. Backfill each pilot hole with class A concrete to the top of rock. Ensure a minimum install depth of 5 feet into sound rock for each hole at Bents 3 and 4.

Pile Protection

All exposed HP piles and steel sway bracing should be painted with a 2P epoxy coating as protection against corrosion.

The H-piles at intermediate Bents 2, 3, and 4 should be encased in concrete, as per Standard Bridge Office Specifications.

Embankment Construction

The embankments for this project will be constructed over low wet areas with poor subgrade soils. To aid with fill placement, we recommend that rock embankment should be placed to a height of 18 inches before placing normal fills. Separate the rock embankment from normal fills with a layer of woven plastic filter fabric. The rock embankment should be placed from the toe of the existing embankment slope to the toe of the new embankment slope. Rock embankment may be required at the following locations:

Station 133+00 to 133+73
Station 135+73 to 136+20
Station 137+00 to 139+00

Current plans call for a retaining wall from Station 139+00 to 142+00; however, we understand that the wall may be omitted and replaced with additional embankment. If the wall is removed, then rock embankment should be placed at the bottom of this Station range as well.

However, if these areas are dry and stable at the time of construction, the rock embankment may be eliminated, as directed by the Engineer.

Special Problems

The piles at Bents 2, 3, and 4 were analyzed for their response to lateral loading considering removal of support due to scour. Estimated pile head deflections were calculated for a service load of 5.6 kips per pile including the effects of the 100-year flood scour. If reduced lateral deflections are needed, then the pile section should be increased or use of battered piles considered. Estimated deflections are summarized below.

Bent	Estimated Head Deflection (inches)
2	1.65
3	1.22
4	0.95

QA/ QC

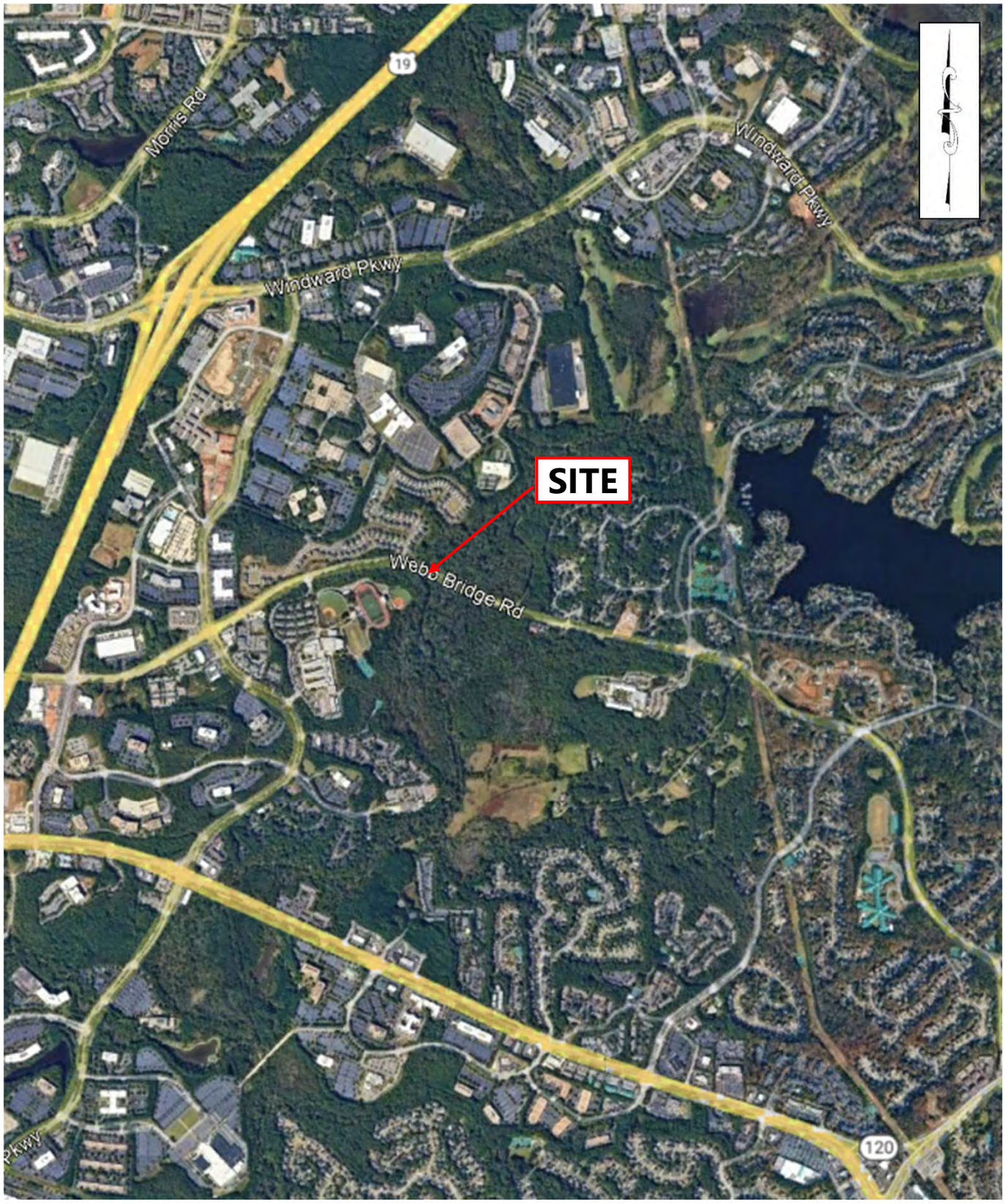
Reported By:

Mark J. Tilashalski
Project Engineer
GA Reg. No. 044662
mtilashalski@smeinc.com

Reviewed By:

Jeffrey A. Doubrava, P.E.
Principal Engineer
GA Reg. No. 30803
jdoubrava@smeinc.com

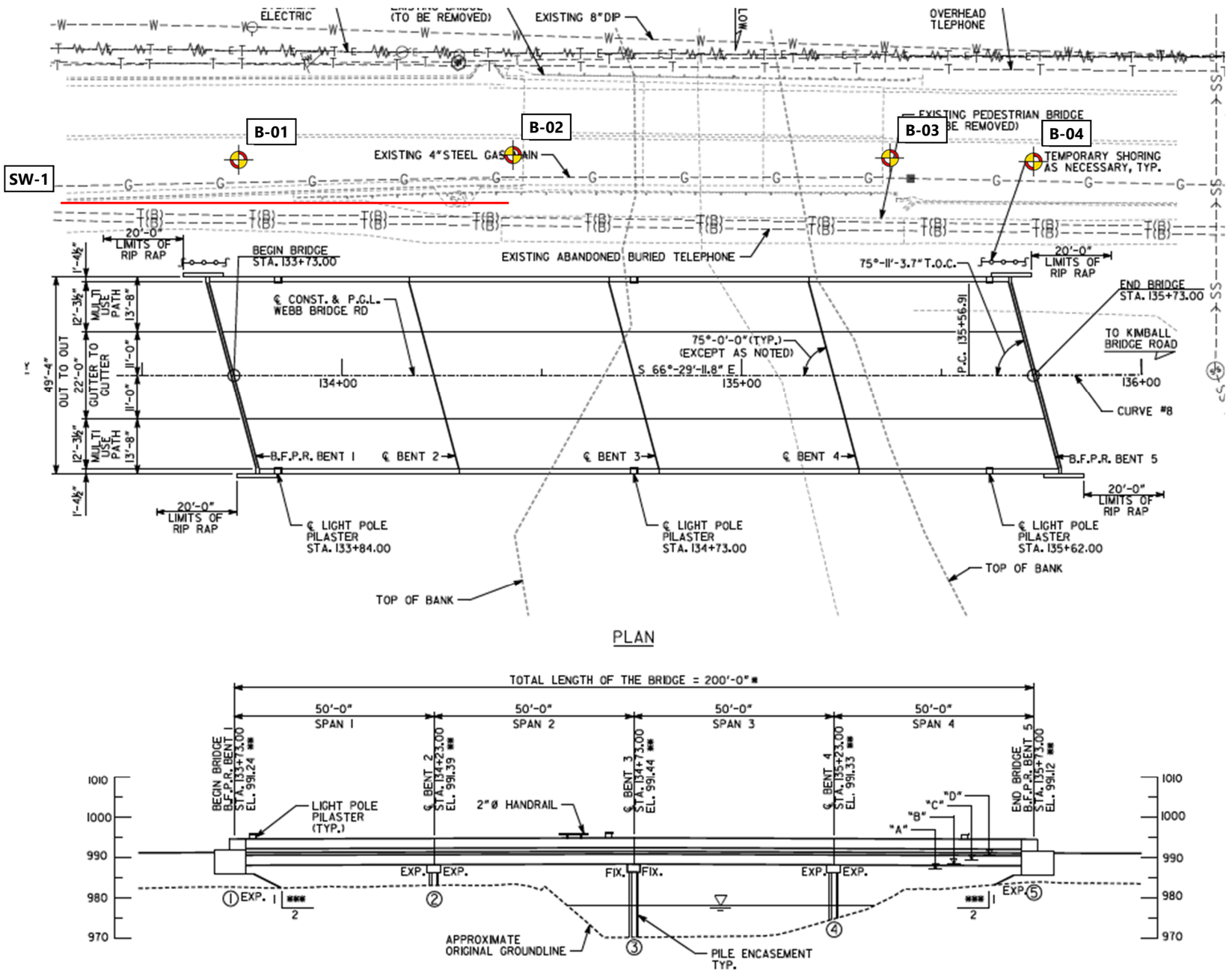
Appendix



REFERENCE:
Google Earth

DRAWING FOR INFORMATION PURPOSES ONLY

	SITE LOCATION PLAN	SCALE: NOT TO SCALE	FIGURE NO.
	WEBB BRIDGE ROAD OVER BIG CREEK ALPHARETTA, GEORGIA	DATE: 12-15-2021	1
		PROJECT NUMBER 21800004	



PLAN

REFERENCE:
Preliminary Layout, dated August 12, 2021, prepared by Pond

DRAWING FOR ILLUSTRATION PURPOSES ONLY

LEGEND:
APPROXIMATE TEST BORING LOCATION
APPROXIMATE SHEAR WAVE TESTING LOCATION

TEST LOCATION PLAN

WEBB BRIDGE ROAD OVER BIG CREEK
ALPHARETTA, GEORGIA

SCALE:
NOT TO SCALE

DATE:
12-15-2021

PROJECT NUMBER
21800004

FIGURE NO.
2

TEST BORING LOG LEGEND

FINE AND COARSE GRAINED SOIL INFORMATION

COARSE GRAINED SOILS (SANDS & GRAVELS)

N	Relative Density
0-4	Very Loose
5-10	Loose
11-30	Medium Dense
31-50	Dense
Over 50	Very Dense

FINE GRAINED SOILS (CLAYS & SILTS)

N	Consistency
0-2	Very Soft
3-4	Soft
5-8	Firm
9-15	Stiff
16-30	Very Stiff
31-50	Hard
Over 50	Very Hard

PARTICLE SIZE

Boulders	Greater than 300 mm (12 in)
Cobbles	75 mm to 300 mm (3 to 12 in)
Gravel	4.75 mm to 75 mm ($\frac{3}{16}$ to 3 in)
Coarse Sand	2 mm to 4.74 mm
Medium Sand	.425 mm to 2 mm
Fine Sand	0.075 mm to 0.425 mm
Silts and Clays	Less than 0.075 mm

The **STANDARD PENETRATION TEST as defined by ASTM D 1586 is a method to obtain a disturbed soil sample for examination and testing and to obtain relative density and consistency information. A standard 1.4-inch I.D./20inch O.D. split barrel sampler is driven three 6-inch increments with a 140 lb. hammer falling 30 inches. The hammer can either be of a trip, free-fall design, or actuated by a rope and cathead. The blow counts required to drive the sampler the final two 6-inch increments are added together and designated the N-value defined in the above tables.**

ROCK PROPERTIES

ROCK QUALITY DESIGNATION (RQD)

Percent RQD	Quality
0-25	Very Poor
25-50	Poor
50-75	Fair
75-90	Good
90-100	Excellent

ROCK HARDNESS

Very Hard	Rock can be broken by heavy hammer blows
Hard	Rock cannot be broken by thumb pressure, but can be broken by moderate hammer blows
Moderately Hard	Small pieces can be broken off along sharp edges by considerable thumb pressure; can be broken with light hammer blows.
Soft	Rock is coherent but breaks very easily with thumb pressure at sharp edges and crumbles with firm hand pressure.
Very Soft	Rock disintegrates or easily compresses when touched; can be hard to very hard soil

$$RQD = \frac{\text{Sum of 4 in. and longer Rock Pieces Recovered}}{\text{Length of Core Run}} \times 100$$

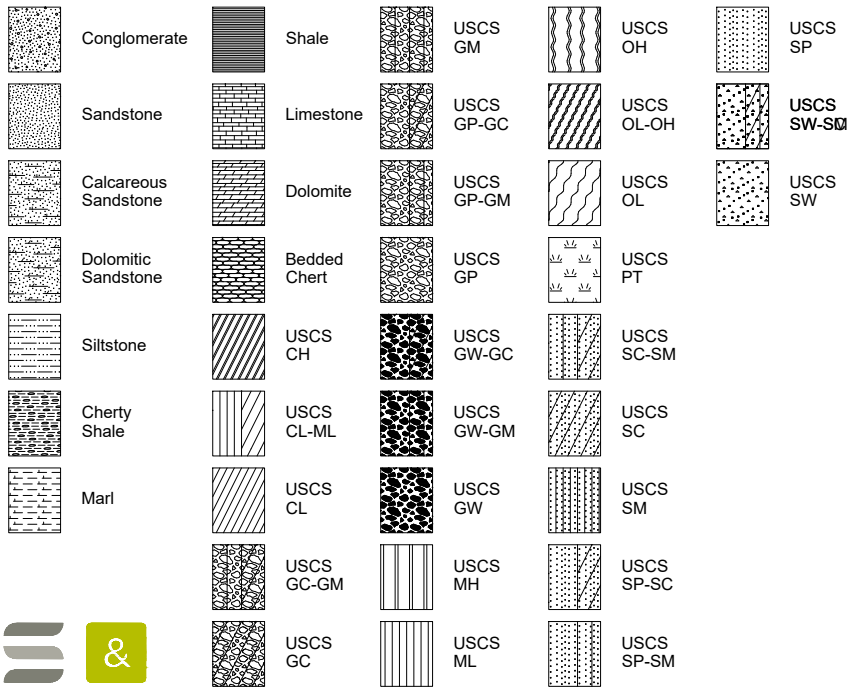
$$RQD = \frac{\text{Length of Rock Core Recovered}}{\text{Length of Core Run}} \times 100$$

$$\frac{43\ RQD}{NQ} \qquad \frac{NQ}{63\ REC}$$

Core Diameter	Inches
BQ	1-7/16
NQ	1-7/8
HQ	2-1/2

SYMBOLS

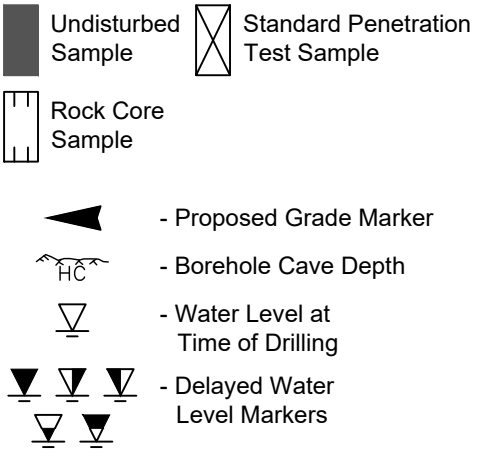
KEY TO MATERIAL TYPES

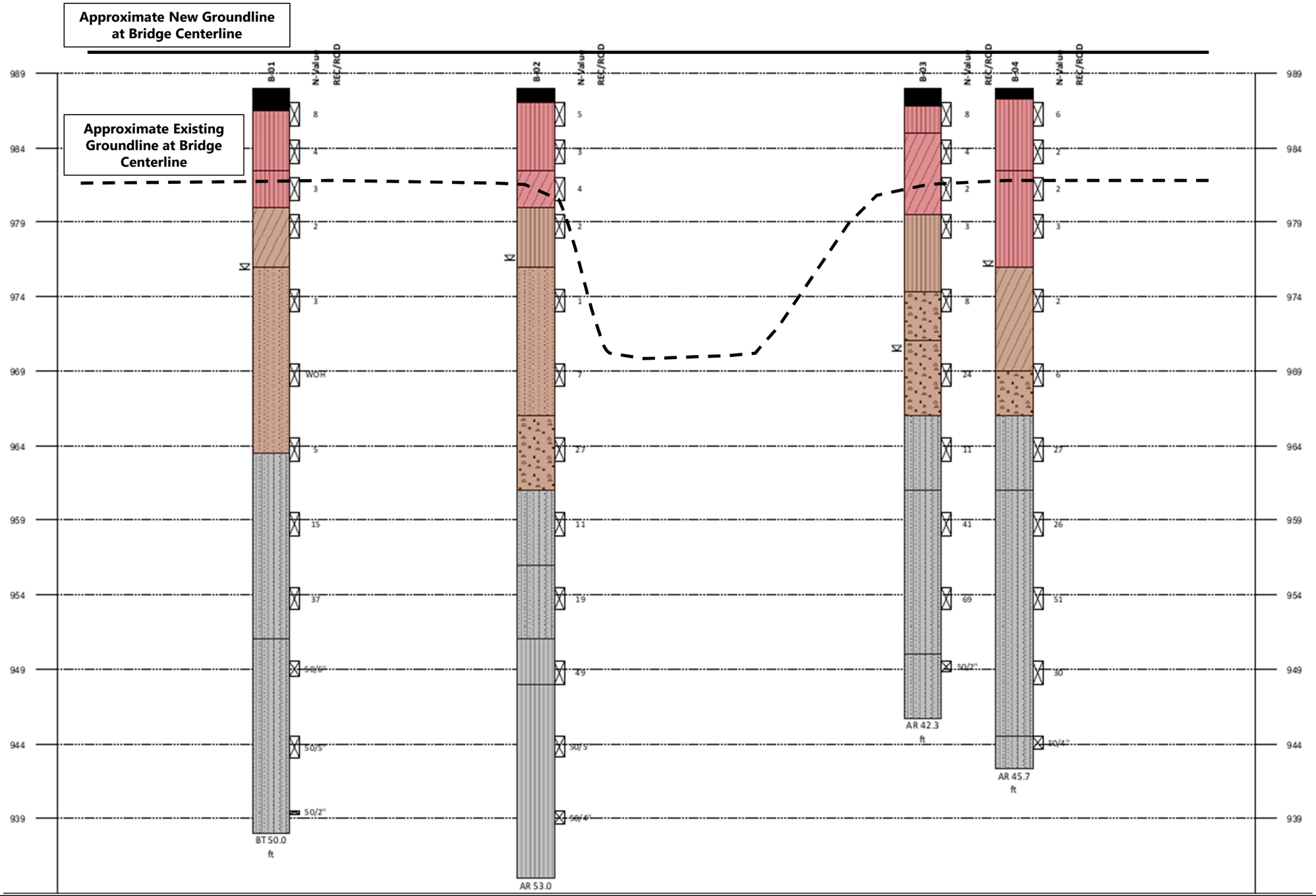


SOIL PROPERTY SYMBOLS

N:	Standard Penetration, BPF
M:	Moisture Content, %
LL:	Liquid Limit, %
PL:	Plastic Limit, %
PI:	Plasticity Index, %
Qp:	Pocket Penetrometer Value, TSF
Qu:	Unconfined Compressive Strength, TSF
γ_d:	Dry Unit Weight, PCF
F:	Fines Content

LOG SYMBOLS





DRAWING FOR ILLUSTRATION PURPOSES ONLY

BORING CROSS SECTION

WEBB BRIDGE ROAD OVER BIG CREEK
ALPHARETTA, GEORGIA

SCALE:
NOT TO SCALE

DATE:
12-15-2021

PROJECT NUMBER
21800004

FIGURE NO.
3

PROJECT:	Webb Bridge Road Over Big Creek Alpharetta, Georgia S&ME Project No. 21800004	BORING LOG: B-01 *Sheet 1 of 2*

DATE DRILLED: 12/14/2021	**ELEVATION:** 988 ft	**NOTES:**
DRILL RIG: Diedrich D50	**DATUM:** NAVD88	
DRILLER: Frank Crane	**BORING DEPTH:** 50.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Auger Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Pen Sibley	**LATITUDE:** 34.078658 **LONGITUDE:** -84.25129
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane Georgia West FIPS 1002 Feet	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20, 40, 60, 80)	ELEVATION
0					ASPHALT, 16 inches			988
		Fill		SS-1	SANDY SILT (ML), firm to soft, brown to orange, moist	7-4-4 N= 8	●	
				SS-2		3-2-2 N= 4	●	
5				SS-3	SANDY SILT (ML), soft, red brown to brown, moist to very moist	1-2-1 N= 3	●	983
		Alluvium		SS-4	SANDY LEAN CLAY (CL), trace roots, very soft, gray, very moist to moist	1-1-1 N= 2	●	
10								978
	▽			SS-5	POORLY GRADED SAND (SP), very loose to loose, gray, fine to medium grained, subrounded, wet	1-1-2 N= 3	●	
15								973
				SS-6		1-0-0 N= 0	●	
20								968
				SS-7		1-2-3 N= 5	●	
25		Residuum			SILTY SAND (SM), medium dense to dense, orange with gray, laminated, moist, Slightly micaceous			963
				SS-8		4-6-9 N= 15	●	
30								958

GROUNDWATER		DATE/TIME	DEPTH (FT)	REMARKS
ATD	▽	12/14/2021	12.0	
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), HC = Hole Cave

PROJECT:	Webb Bridge Road Over Big Creek Alpharetta, Georgia S&ME Project No. 21800004	BORING LOG: B-01 *Sheet 2 of 2*

DATE DRILLED: 12/14/2021	**ELEVATION:** 988 ft	**NOTES:**
DRILL RIG: Diedrich D50	**DATUM:** NAVD88	
DRILLER: Frank Crane	**BORING DEPTH:** 50.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Auger Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Pen Sibley	**LATITUDE:** 34.078658 **LONGITUDE:** -84.25129

SAMPLING METHOD: SS **PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane Georgia West FIPS 1002 Feet

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA △ % Fines ○ NMC ⊢ PL---LL 20 40 60 80	ELEVATION
35		Residuum		SS-9	SILTY SAND (SM), medium dense to dense, orange with gray, laminated, moist, Slightly micaceous	10-17-20 N= 37		953
40				SS-10	PWR, sampled as SILTY SAND (SM), very dense, gray orange and white, moist	36-50/6" N= 100		948
45				SS-11		19-36-50/5" N= 100		943
50	Sampler refusal at 50.0 feet			SS-12	Borehole terminated at 50.0 feet	50/2" N= 100		938
55								933
60								928

GROUNDWATER		DATE/TIME	DEPTH (FT)	REMARKS
ATD	▽	12/14/2021	12.0	
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), HC = Hole Cave

PROJECT:	Webb Bridge Road Over Big Creek Alpharetta, Georgia S&ME Project No. 21800004	BORING LOG: B-02 *Sheet 1 of 2*

DATE DRILLED: 12/13/2021	**ELEVATION:** 988 ft	**NOTES:**
DRILL RIG: Diedrich D50	**DATUM:** NAVD88	
DRILLER: Frank Crane	**BORING DEPTH:** 53.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Auger Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Pen Sibley	**LATITUDE:** 34.078582 **LONGITUDE:** -84.25108
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane Georgia West FIPS 1002 Feet	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20, 40, 60, 80)	ELEVATION
0					ASPHALT, 12 inches			988
		Fill		SS-1	SANDY SILT (ML), trace fine gravel, firm to soft, brown to orange, moist, Slightly micaceous	7-3-2 N= 5	●	
				SS-2		2-1-2 N= 3	●	
5				SS-3	LEAN CLAY WITH SAND (CL), soft, yellow brown with orange, moist, Slightly micaceous	2-2-2 N= 4	●	983
		Alluvium		SS-4	SANDY SILT (ML), trace fine gravel, very soft, orange brown with brown, moist, Slightly micaceous	2-1-1 N= 2	●	
10	▽							978
				SS-5	POORLY GRADED SAND (SP), very loose to loose, gray to brown, fine to medium grained, subrounded, wet	2-1-0 N= 1	●	
15								973
				SS-6		2-3-4 N= 7	●	
20								968
				SS-7	WELL-GRADED SAND (SW), trace gravel, medium dense, gray, fine to medium grained, subrounded, wet	8-9-18 N= 27	●	
25								963
		Residuum		SS-8	SILTY SAND (SM), medium dense, dark gray with white, fine to medium grained, laminated, subrounded, very moist, Slightly micaceous	3-5-6 N= 11	●	
30								958

GROUNDWATER		DATE/TIME	DEPTH (FT)	REMARKS
ATD	▽	12/13/2021	11.4	
END OF DRILLING	▼			
AFTER DRILLING	▼	12/14/2021		Not encountered, hole cave at 8'
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), HC = Hole Cave

PROJECT:	Webb Bridge Road Over Big Creek Alpharetta, Georgia S&ME Project No. 21800004	BORING LOG: B-02 *Sheet 2 of 2*

DATE DRILLED: 12/13/2021	**ELEVATION:** 988 ft	**NOTES:**
DRILL RIG: Diedrich D50	**DATUM:** NAVD88	
DRILLER: Frank Crane	**BORING DEPTH:** 53.0 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Auger Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Pen Sibley	**LATITUDE:** 34.078582 **LONGITUDE:** -84.25108

SAMPLING METHOD: SS **PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane Georgia West FIPS 1002 Feet

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA △ % Fines ○ NMC ⊢ PL---LL 20 40 60 80	ELEVATION
35		Residuum		SS-9	SILTY SAND (SM), medium dense, dark brown with gray, laminated, very moist, Slightly micaceous	5-8-11 N= 19		953
40				SS-10	SANDY SILT (ML), little fine to medium gravel, hard, orange with gray, laminated, very moist, Slightly micaceous	12-13-36 N= 49		948
45				SS-11	PWR, sampled as SANDY SILT (ML), very hard, dark brown with dark gray, laminated, very moist, Slightly micaceous	17-27-50/5" N= 100		943
50				SS-12		13-50/4" N= 100		938
55	Auger refusal at 53.0 feet				Borehole terminated at 53.0 feet			933
60								928

GROUNDWATER		DATE/TIME	DEPTH (FT)	REMARKS
ATD	▽	12/13/2021	11.4	
END OF DRILLING	▼			
AFTER DRILLING	▼	12/14/2021		Not encountered, hole cave at 8'
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), HC = Hole Cave

PROJECT:	Webb Bridge Road Over Big Creek Alpharetta, Georgia S&ME Project No. 21800004	BORING LOG: B-03 *Sheet 1 of 2*

DATE DRILLED: 12/13/2021	**ELEVATION:** 988 ft	**NOTES:**
DRILL RIG: Diedrich D50	**DATUM:** NAVD88	
DRILLER: Frank Crane	**BORING DEPTH:** 42.3 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Auger Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Pen Sibley	**LATITUDE:** 34.078469 **LONGITUDE:** -84.25076
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane Georgia West FIPS 1002 Feet	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20, 40, 60, 80)	ELEVATION
0					ASPHALT, 14 inches			988
		Fill		SS-1	SANDY SILT (ML), little gravel, firm, brown, moist	6-4-4 N= 8	●	
				SS-9	LEAN CLAY WITH SAND (CL), little gravel, soft to very soft, orange, moist	2-2-2 N= 4	●	
5				SS-10		2-1-1 N= 2	●	983
	No recovery S-4	Alluvium		SS-4	SANDY SILT (ML), soft, orange to red, moist, Slightly micaceous	1-1-2 N= 3	●	
10								978
				SS-5	WELL-GRADED SAND (SW), loose, gray, fine to medium grained, subrounded, wet, Slightly micaceous	3-5-3 N= 8	●	
15								973
	▽			SS-6	WELL-GRADED SAND (SW), with fine to medium gravel, little silt, medium dense, gray, fine to medium grained, subrounded, wet, Slightly micaceous	7-8-16 N= 24	●	
20								968
		Residuum		SS-7	SILTY SAND (SM), medium dense, dark gray to orange brown, subrounded, very moist, Slightly micaceous	2-4-7 N= 11	●	
25								963
				SS-8	SILTY SAND (SM), dense to very dense, gray with orange brown, laminated, very moist	16-17-24 N= 41	●	
30								958

GROUNDWATER		DATE/TIME	DEPTH (FT)	REMARKS
ATD	▽	12/14/2021	17.5	Prior to drilling, day 2
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), HC = Hole Cave

PROJECT:	Webb Bridge Road Over Big Creek Alpharetta, Georgia S&ME Project No. 21800004	BORING LOG: B-03 *Sheet 2 of 2*

DATE DRILLED: 12/13/2021	**ELEVATION:** 988 ft	**NOTES:**
DRILL RIG: Diedrich D50	**DATUM:** NAVD88	
DRILLER: Frank Crane	**BORING DEPTH:** 42.3 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Auger Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Pen Sibley	**LATITUDE:** 34.078469 **LONGITUDE:** -84.25076

SAMPLING METHOD: SS **PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane Georgia West FIPS 1002 Feet

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA △ % Fines ○ NMC ⊢ PL---LL 20 40 60 80	ELEVATION
35		Residuum		SS-9	SILTY SAND (SM), dense to very dense, gray with orange brown, laminated, very moist	30-39-30 N= 69		953
40				SS-10	PWR, sampled as SILTY SAND (SM), very dense, gray and brown, fine to medium grained, moist	25-50/2" N= 100		948
45	Auger refusal at 42.3 feet				Borehole terminated at 42.3 feet			943
50								938
55								933
60								928

GROUNDWATER		DATE/TIME	DEPTH (FT)	REMARKS
ATD	▽	12/14/2021	17.5	Prior to drilling, day 2
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), HC = Hole Cave

PROJECT:	Webb Bridge Road Over Big Creek Alpharetta, Georgia S&ME Project No. 21800004	BORING LOG: B-04 *Sheet 1 of 2*

DATE DRILLED: 12/14/2021	**ELEVATION:** 988 ft	**NOTES:**
DRILL RIG: Diedrich D50	**DATUM:** NAVD88	
DRILLER: Frank Crane	**BORING DEPTH:** 45.7 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Auger Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Pen Sibley	**LATITUDE:** 34.078435 **LONGITUDE:** -84.25070
SAMPLING METHOD: SS	**PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane Georgia West FIPS 1002 Feet	

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20, 40, 60, 80)	ELEVATION
0					ASPHALT, 8 inches			988
		Fill		SS-1	SANDY SILT (ML), firm to very soft, brown to orange, moist	6-3-3 N= 6	●	
				SS-2		2-1-1 N= 2	●	
5				SS-3	SANDY SILT (ML), little gravel, very soft to soft, orange, moist	2-1-1 N= 2	●	983
	Rod dropped an additional 6 inches on final hammer blow			SS-4		3-2-1 N= 3	●	
10								978
		Alluvium		SS-5	LEAN CLAY WITH SAND (CL), very soft, gray, very moist, Slightly micaceous	1-1-1 N= 2	●	
	No recovery S-5							
15								973
				SS-6	WELL-GRADED SAND (SW), loose, gray, fine to medium grained, subrounded, wet, Slightly micaceous	3-3-3 N= 6	●	
20								968
		Residuum		SS-7	SILTY SAND (SM), medium dense, dark white with gray, fine to medium grained, mottled, subangular, very moist, Slightly micaceous	5-11-16 N= 27	●	
25								963
				SS-8	SILTY SAND (SM), medium dense to very dense, orange with gray, laminated, moist, Slightly micaceous	7-14-12 N= 26	●	
30								958

GROUNDWATER		DATE/TIME	DEPTH (FT)	REMARKS
ATD	▽	12/14/2021	11.8	
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), HC = Hole Cave

PROJECT:	Webb Bridge Road Over Big Creek Alpharetta, Georgia S&ME Project No. 21800004	BORING LOG: B-04 *Sheet 2 of 2*

DATE DRILLED: 12/14/2021	**ELEVATION:** 988 ft	**NOTES:**
DRILL RIG: Diedrich D50	**DATUM:** NAVD88	
DRILLER: Frank Crane	**BORING DEPTH:** 45.7 ft	
HAMMER TYPE: Automatic hammer	**CLOSURE:** Auger Cuttings	
DRILLING METHOD: 3-1/4" HSA	**LOGGED BY:** Pen Sibley	**LATITUDE:** 34.078435 **LONGITUDE:** -84.25070

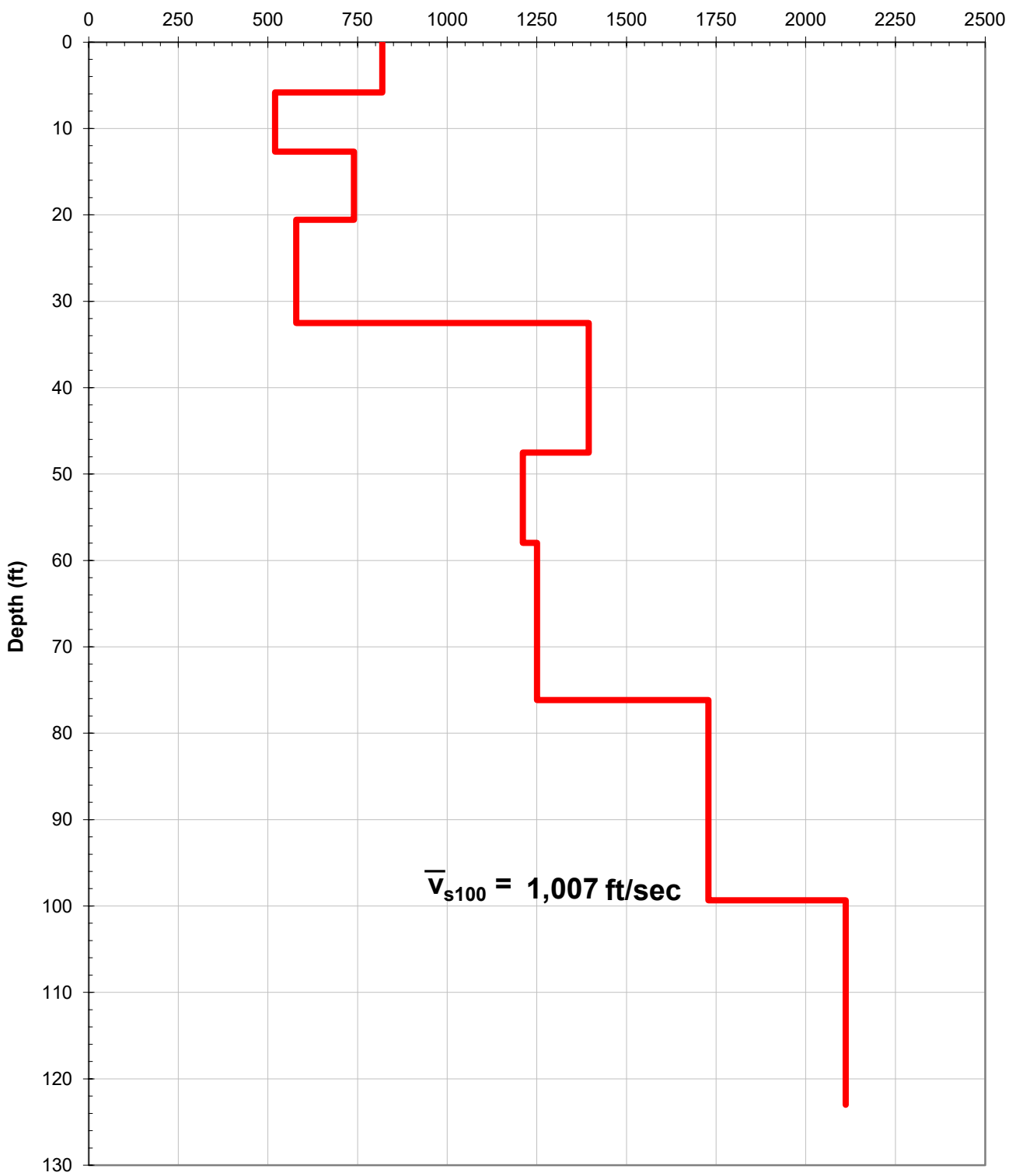
SAMPLING METHOD: SS **PROJECT COORDINATE SYSTEM -** NAD 1983 StatePlane Georgia West FIPS 1002 Feet

DEPTH (feet)	NOTES	Origin/Identifier	GRAPHIC	SAMPLE NO. (RECOVERY)	MATERIAL DESCRIPTION	BLOW COUNT DATA (SPT N-value)	STANDARD PENETRATION TEST DATA (△ % Fines, ○ NMC, ⊢ PL---LL; 20, 40, 60, 80)	ELEVATION
35		Residuum		SS-9	SILTY SAND (SM), medium dense to very dense, orange with gray, laminated, moist, Slightly micaceous	8-18-33 N= 51		953
40				SS-10		8-11-19 N= 30		948
45	Auger refusal at 45.7 feet			SS-11	PWR, sampled as SILTY SAND (SM), very dense, gray brown, fine to medium grained, moist Borehole terminated at 45.7 feet	30-50/4" N= 100		943
50								938
55								933
60								928

GROUNDWATER		DATE/TIME	DEPTH (FT)	REMARKS
ATD	▽	12/14/2021	11.8	
END OF DRILLING	▼			
AFTER DRILLING	▼			
AFTER DRILLING	▼			

GROUNDWATER DEPTHS ARE NOT EXACT AND MAY VARY SUBSTANTIALLY FROM THOSE INDICATED. ATD = AT TIME OF DRILLING
LL=Liquid Limit, PL = Plastic Limit, NMC = Natural Moisture Content, PPV = Pocket Penetrometer (tsf), PTV = Pocket Torvane (tsf), HC = Hole Cave

Shear Wave Velocity Profile SW-1
Bridge Foundation Invetsigation (LRFD)
Webb Bridge Rd over Big Creek
Alphareta, Georgia
S&ME Project: 21800004



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

Webb Bridge Road over Big Creek
Alpharetta, Georgia

SECTION 523 - DYNAMIC PILE TESTING

523.1 General Description

The work consists of performing dynamic pile testing using the Pile Driving Analyzer (PDA) to monitor the driving of piles with accelerometer and strain gauges attached to the piles. Piles to be dynamically tested will be identified in the Special Provision or on the Plans. Prior to pile driving, the Engineer will determine production or test piles to be dynamically tested. Perform the dynamic pile testing in accordance with ASTM D4945-12.

Take dynamic measurements during driving of any required piles. Drive the pile as shown in the Special Provisions or on the Plans.

523.2 Materials

Furnish measuring instruments for dynamic pile testing. Attach instruments near the top of the piles with bolts placed in drilled holes. Furnish materials, labor and equipment necessary for installation of the instruments.

523.3 Construction Requirements

Measure wave speed prior to driving piles. Wave speed measurements will not be required for Steel H piles or metal shell piles. When wave speed measurements are performed, place the piles in a horizontal position not in contact with other piles.

Perform dynamic pile testing during driving. Modify the driving to reduce the stress and/or eliminate the damage, should the recommended stress level be exceeded or if damage occurs (determined visually or as indicated by the instrumentation).

Do not exceed the following maximum driving stresses, as determined by the dynamic pile testing:

1. For Steel piles:

   0.9 Fy, where Fy = Yield strength of steel

2. For Prestressed Concrete Piles:

   Compression:

   $\sigma_{dr} = (0.85f'_c - f_{pe})$

   Tension in Normal Environments:

   $\sigma_{dr} = (0.095\sqrt{f'_c} + f_{pe})$

   Tension in Severe Corrosive Environments:

   $\sigma_{dr} = \varphi_{da} f_{pe}$

   where;
   σ_{dr} = maximum allowed driving stress, ksi
   $f'c$= specified minimum 28-day compressive strength of concrete, ksi
   $f pe$= effective prestress in concrete, ksi, (after all losses) at the time of driving taken as 0.78 times the initial prestress force

Re-drive friction piles that do not obtain bearing after a freeze period of a minimum of 24 hours or for a period designated on the Plans, whichever is longer. Reset the gauges if required. Re-strike the pile with a warm hammer until a maximum penetration of 3 inches (76 mm) or 40 blows is reached, whichever occurs first. The Engineer may modify the Pile Driving Objective based on the results of the PDA work.

Provide two weeks' notice prior to the driving of designated piles and cooperate with the Engineer in connection with the performance of Dynamic Pile Testing.

Provide a complete report consisting of but not limited to PDA field monitoring data, results of CAPWAP computer analyses, and recommendations such as pile lengths, hammer fuel setting, and valid driving criteria. Valid driving criteria is defined as having the required hammer having a hammer set greater than 3 blows per inch and less than 10 blows per inch at the driving resistance for that pile. Submit the report electronically in PDF format and the electronic data files of the PDA analysis and CAPWAP to the Geotechnical Bureau and allow seven (7) calendar days for review and approval before proceeding with driving production piles.

523.4 Measurement

The Dynamic Pile Tests performed in accordance with these Specifications will be counted separately for payment. (Refer to plans summary sheet for the required amount of PDA testing.)

523.5 Payment

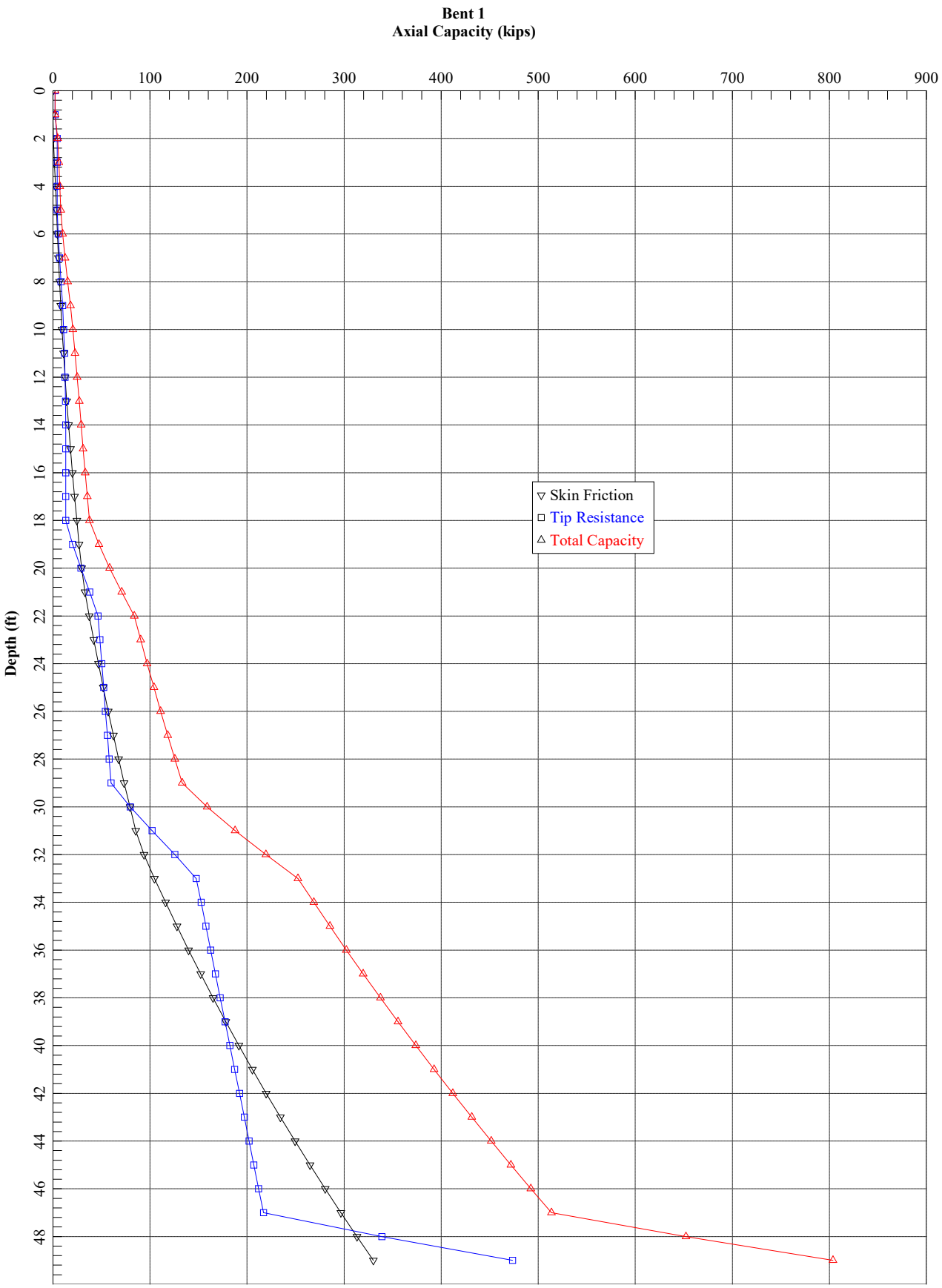
The Dynamic Pile Test completed and accepted will be paid for at the Contract unit Price. This payment will be full compensation for all costs of complying with this specification, including incidentals, additional work, and any delays incurred in conjunction therewith.

Payment will be made under:

Item No. 523. Dynamic Pile Test_____ . . . . . Per Each

Office of Materials and Testing

EL 983


Bent 1
Axial Capacity (kips)
0
100
200
300
400
500
600
700
800
900
Depth (ft)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
Skin Friction
Tip Resistance
Total Capacity

```
     ============================================================================

                      APILE for Windows, Version 2015.7.7

                       Serial Number :  164285430

                       A Program for Analyzing the Axial Capacity
                       and Short-term Settlement of Driven Piles
                                 under Axial Loading.
                     (c) Copyright ENSOFT, Inc., 1987-2015
                           All Rights Reserved

     ============================================================================


     This program is licensed to :

     S&ME
     Duluth, GA

     Path to file locations      : Z:\Shared\SME\Ops\GEO\Projects\2021\21800004_Pond
& Co_Webb Bridge Rd over Big Creek_Alpharetta GA\Calcs\Bent 1\
     Name of input data file     : Bent 1 12x53.ap7d
     Name of output file         : Bent 1 12x53.ap7o
     Name of plot output file    : Bent 1 12x53.ap7p

     ----------------------------------------------------------------------------
                          Time and Date of Analysis
     ----------------------------------------------------------------------------

               Date:  March 17, 2022     Time:  10:35:41



1
          **********************
          * INPUT INFORMATION *
          **********************



          Bent 1

          DESIGNER   : M. Tilashalski

          JOB NUMBER : 21800004


          METHOD FOR UNIT LOAD TRANSFERS :
```

- FHWA (Federal Highway Administration)
  Unfactored Unit Side Friction and Unit Side Resistance are used.

COMPUTATION METHOD(S) FOR PILE CAPACITY :

- FHWA (Federal Highway Administration)

TYPE OF LOADING :
- COMPRESSION

PILE TYPE :

H-Pile/Steel Pile

DATA FOR AXIAL STIFFNESS :

- MODULUS OF ELASTICITY = 0.290E+08 PSI
- CROSS SECTION AREA = 141.60 IN2

NONCIRCULAR PILE PROPERTIES :

- TOTAL PILE LENGTH, TL = 52.00 FT.
- PILE STICKUP LENGTH, PSL = 3.00 FT.
- ZERO FRICTION LENGTH, ZFL = 0.00 FT.
- PERIMETER OF PILE = 47.60 IN.
- TIP AREA OF PILE = 141.60 IN2
- INCREMENT OF PILE LENGTH
  USED IN COMPUTATION = 1.00 FT.

SOIL INFORMATIONS :

DEPTH FT.	SOIL TYPE	LATERAL EARTH PRESSURE	EFFECTIVE UNIT WEIGHT LB/CF	FRICTION ANGLE DEGREES	BEARING CAPACITY FACTOR
0.00	CLAY	0.00	105.00	0.00	0.00
3.00	CLAY	0.00	105.00	0.00	0.00
3.00	CLAY	0.00	43.00	0.00	0.00
7.00	CLAY	0.00	43.00	0.00	0.00
7.00	SAND	0.00	53.00	30.00	0.00

20.00	SAND	0.00	53.00	30.00	0.00
20.00	SAND	0.00	53.00	34.00	0.00
31.00	SAND	0.00	53.00	34.00	0.00
31.00	SAND	0.00	63.00	38.00	0.00
49.00	SAND	0.00	63.00	38.00	0.00
49.00	SAND	0.00	83.00	45.00	0.00
60.00	SAND	0.00	83.00	45.00	0.00

MAXIMUM UNIT FRICTION KSF	MAXIMUM UNIT BEARING KSF	UNDISTURB SHEAR STRENGTH KSF	REMOLDED SHEAR STRENGTH KSF	BLOW COUNT	UNIT SKIN FRICTION KSF	UNIT END BEARING KSF
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00

* MAXIMUM UNIT FRICTION AND/OR MAXIMUM UNIT BEARING
WERE SET TO BE 0.10E+08 BECAUSE THE USER DOES NOT
PLAN TO LIMIT THE COMPUTED DATA.

DEPTH FT.	LRFD FACTOR ON UNIT FRICTION	LRFD FACTOR ON UNIT BEARING
0.00	1.000	1.000
3.00	1.000	1.000
3.00	1.000	1.000
7.00	1.000	1.000
7.00	1.000	1.000
20.00	1.000	1.000
20.00	1.000	1.000
31.00	1.000	1.000
31.00	1.000	1.000
49.00	1.000	1.000
49.00	1.000	1.000
60.00	1.000	1.000

1

****
* COMPUTATION RESULT *
****

****
* FED. HWY. METHOD *
****

EL 983

PILE PENETRATION FT.	TOTAL SKIN FRICTION KIP	END BEARING KIP	ULTIMATE CAPACITY KIP
0.00	0.0	2.2	2.2
1.00	0.0	2.2	2.2
2.00	0.5	4.4	4.9
3.00	1.5	4.4	6.0
4.00	2.6	4.4	7.0
5.00	3.6	4.4	8.0
6.00	4.6	5.4	10.1
7.00	5.7	6.8	12.5
8.00	6.8	8.4	15.2
9.00	8.0	10.1	18.2
10.00	9.4	11.1	20.5
11.00	10.9	11.9	22.8
12.00	12.5	12.5	25.0
13.00	14.2	12.9	27.1
14.00	16.1	13.1	29.1
15.00	18.0	13.1	31.1
16.00	20.1	13.1	33.2
17.00	22.3	13.1	35.4
18.00	24.6	13.1	37.7
19.00	27.0	20.3	47.3
20.00	29.6	28.8	58.3
21.00	33.0	37.8	70.8
22.00	37.4	46.5	83.9
23.00	42.0	48.4	90.4
24.00	46.8	50.3	97.1
25.00	51.7	52.2	104.0
26.00	56.9	54.1	111.0
27.00	62.2	56.1	118.3
28.00	67.7	58.0	125.7
29.00	73.4	59.9	133.3
30.00	79.3	79.6	158.9
31.00	85.4	102.2	187.6
32.00	93.8	125.6	219.4
33.00	104.7	147.7	252.5

34.00	116.0	152.7	268.7
35.00	127.7	157.6	285.3
36.00	139.7	162.6	302.3
37.00	152.2	167.5	319.7
38.00	164.9	172.4	337.4
39.00	178.1	177.4	355.5
40.00	191.6	182.3	373.9
41.00	205.5	187.3	392.8
42.00	219.8	192.2	412.0
43.00	234.4	197.1	431.6
44.00	249.5	202.1	451.5
45.00	264.8	207.0	471.8
46.00	280.6	211.9	492.5
47.00	296.7	216.9	513.6
48.00	313.2	339.0	652.2
49.00	330.1	473.7	803.8

NOTES:
- AN ASTERISK IS PLACED IN THE END-BEARING COLUMN IF THE TIP RESISTANCE IS CONTROLLED BY THE FRICTION OF SOIL PLUG INSIDE AN OPEN-ENDED PIPE PILE.

****
* COMPUTE LOAD-DISTRIBUTION AND LOAD-SETTLEMENT *
* CURVES FOR AXIAL LOADING *
****

T-Z CURVE NO.	NO. OF POINTS	DEPTH TO CURVE FT.	LOAD TRANSFER PSI	PILE MOVEMENT IN.
1	10	0.0000E+00		
			0.0000E+00	0.0000E+00
			0.2703E+00	0.2424E-01
			0.4505E+00	0.4697E-01
			0.6758E+00	0.8636E-01
			0.8109E+00	0.1212E+00
			0.9010E+00	0.1515E+00
			0.8109E+00	0.3030E+00
			0.8109E+00	0.4545E+00
			0.8109E+00	0.7576E+00
			0.8109E+00	0.3030E+01
2	10	0.1525E+01		
			0.0000E+00	0.0000E+00
			0.5406E+00	0.2424E-01
			0.9010E+00	0.4697E-01
			0.1352E+01	0.8636E-01

			0.1622E+01	0.1212E+00
			0.1802E+01	0.1515E+00
			0.1622E+01	0.3030E+00
			0.1622E+01	0.4545E+00
			0.1622E+01	0.7576E+00
			0.1622E+01	0.3030E+01
3	10	0.2958E+01		
			0.0000E+00	0.0000E+00
			0.5406E+00	0.2424E-01
			0.9010E+00	0.4697E-01
			0.1352E+01	0.8636E-01
			0.1622E+01	0.1212E+00
			0.1802E+01	0.1515E+00
			0.1622E+01	0.3030E+00
			0.1622E+01	0.4545E+00
			0.1622E+01	0.7576E+00
			0.1622E+01	0.3030E+01
4	10	0.3000E+01		
			0.0000E+00	0.0000E+00
			0.5406E+00	0.2424E-01
			0.9010E+00	0.4697E-01
			0.1352E+01	0.8636E-01
			0.1622E+01	0.1212E+00
			0.1802E+01	0.1515E+00
			0.1622E+01	0.3030E+00
			0.1622E+01	0.4545E+00
			0.1622E+01	0.7576E+00
			0.1622E+01	0.3030E+01
5	10	0.5025E+01		
			0.0000E+00	0.0000E+00
			0.5406E+00	0.2424E-01
			0.9010E+00	0.4697E-01
			0.1352E+01	0.8636E-01
			0.1622E+01	0.1212E+00
			0.1802E+01	0.1515E+00
			0.1622E+01	0.3030E+00
			0.1622E+01	0.4545E+00
			0.1622E+01	0.7576E+00
			0.1622E+01	0.3030E+01
6	10	0.6958E+01		
			0.0000E+00	0.0000E+00
			0.5625E+00	0.2424E-01
			0.9375E+00	0.4697E-01
			0.1406E+01	0.8636E-01
			0.1688E+01	0.1212E+00
			0.1875E+01	0.1515E+00
			0.1688E+01	0.3030E+00
			0.1688E+01	0.4545E+00
			0.1688E+01	0.7576E+00
			0.1688E+01	0.3030E+01

7	10	0.7000E+01		
			0.0000E+00	0.0000E+00
			0.2073E+00	0.1000E-01
			0.4145E+00	0.2000E-01
			0.8290E+00	0.4000E-01
			0.1244E+01	0.6000E-01
			0.1658E+01	0.8000E-01
			0.1865E+01	0.9000E-01
			0.2073E+01	0.1000E+00
			0.2073E+01	0.5000E+00
			0.2073E+01	0.2000E+01
8	10	0.1353E+02		
			0.0000E+00	0.0000E+00
			0.3327E+00	0.1000E-01
			0.6655E+00	0.2000E-01
			0.1331E+01	0.4000E-01
			0.1996E+01	0.6000E-01
			0.2662E+01	0.8000E-01
			0.2995E+01	0.9000E-01
			0.3327E+01	0.1000E+00
			0.3327E+01	0.5000E+00
			0.3327E+01	0.2000E+01
9	10	0.1996E+02		
			0.0000E+00	0.0000E+00
			0.5253E+00	0.1000E-01
			0.1051E+01	0.2000E-01
			0.2101E+01	0.4000E-01
			0.3152E+01	0.6000E-01
			0.4202E+01	0.8000E-01
			0.4727E+01	0.9000E-01
			0.5253E+01	0.1000E+00
			0.5253E+01	0.5000E+00
			0.5253E+01	0.2000E+01
10	10	0.2000E+02		
			0.0000E+00	0.0000E+00
			0.6872E+00	0.1000E-01
			0.1374E+01	0.2000E-01
			0.2749E+01	0.4000E-01
			0.4123E+01	0.6000E-01
			0.5498E+01	0.8000E-01
			0.6185E+01	0.9000E-01
			0.6872E+01	0.1000E+00
			0.6872E+01	0.5000E+00
			0.6872E+01	0.2000E+01
11	10	0.2553E+02		
			0.0000E+00	0.0000E+00
			0.9159E+00	0.1000E-01
			0.1832E+01	0.2000E-01
			0.3663E+01	0.4000E-01
			0.5495E+01	0.6000E-01

			0.7327E+01	0.8000E-01
			0.8243E+01	0.9000E-01
			0.9159E+01	0.1000E+00
			0.9159E+01	0.5000E+00
			0.9159E+01	0.2000E+01
12	10	0.3096E+02		
			0.0000E+00	0.0000E+00
			0.1271E+01	0.1000E-01
			0.2542E+01	0.2000E-01
			0.5083E+01	0.4000E-01
			0.7625E+01	0.6000E-01
			0.1017E+02	0.8000E-01
			0.1144E+02	0.9000E-01
			0.1271E+02	0.1000E+00
			0.1271E+02	0.5000E+00
			0.1271E+02	0.2000E+01
13	10	0.3100E+02		
			0.0000E+00	0.0000E+00
			0.1696E+01	0.1000E-01
			0.3393E+01	0.2000E-01
			0.6786E+01	0.4000E-01
			0.1018E+02	0.6000E-01
			0.1357E+02	0.8000E-01
			0.1527E+02	0.9000E-01
			0.1696E+02	0.1000E+00
			0.1696E+02	0.5000E+00
			0.1696E+02	0.2000E+01
14	10	0.4003E+02		
			0.0000E+00	0.0000E+00
			0.2466E+01	0.1000E-01
			0.4932E+01	0.2000E-01
			0.9864E+01	0.4000E-01
			0.1480E+02	0.6000E-01
			0.1973E+02	0.8000E-01
			0.2219E+02	0.9000E-01
			0.2466E+02	0.1000E+00
			0.2466E+02	0.5000E+00
			0.2466E+02	0.2000E+01
15	10	0.4896E+02		
			0.0000E+00	0.0000E+00
			0.2954E+01	0.1000E-01
			0.5908E+01	0.2000E-01
			0.1182E+02	0.4000E-01
			0.1772E+02	0.6000E-01
			0.2363E+02	0.8000E-01
			0.2658E+02	0.9000E-01
			0.2954E+02	0.1000E+00
			0.2954E+02	0.5000E+00
			0.2954E+02	0.2000E+01
16	10	0.4900E+02		

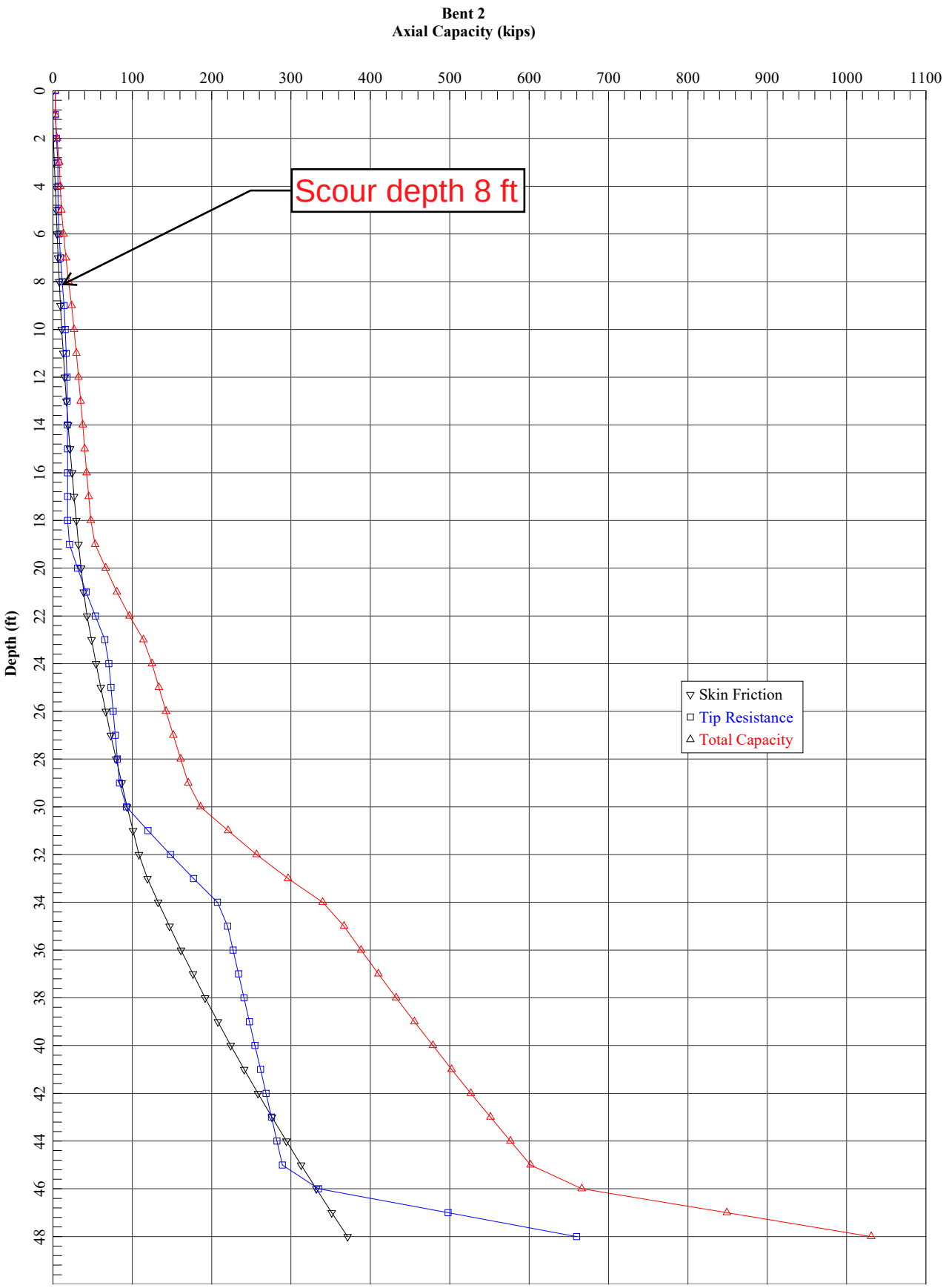
			0.0000E+00	0.0000E+00
			0.2954E+01	0.1000E-01
			0.5908E+01	0.2000E-01
			0.1182E+02	0.4000E-01
			0.1772E+02	0.6000E-01
			0.2363E+02	0.8000E-01
			0.2658E+02	0.9000E-01
			0.2954E+02	0.1000E+00
			0.2954E+02	0.5000E+00
			0.2954E+02	0.2000E+01
17	10	0.5453E+02		
			0.0000E+00	0.0000E+00
			0.2954E+01	0.1000E-01
			0.5908E+01	0.2000E-01
			0.1182E+02	0.4000E-01
			0.1772E+02	0.6000E-01
			0.2363E+02	0.8000E-01
			0.2658E+02	0.9000E-01
			0.2954E+02	0.1000E+00
			0.2954E+02	0.5000E+00
			0.2954E+02	0.2000E+01
18	10	0.5996E+02		
			0.0000E+00	0.0000E+00
			0.2954E+01	0.1000E-01
			0.5908E+01	0.2000E-01
			0.1182E+02	0.4000E-01
			0.1772E+02	0.6000E-01
			0.2363E+02	0.8000E-01
			0.2658E+02	0.9000E-01
			0.2954E+02	0.1000E+00
			0.2954E+02	0.5000E+00
			0.2954E+02	0.2000E+01

TIP LOAD KIP	TIP MOVEMENT IN.
0.0000E+00	0.0000E+00
0.2961E+02	0.7576E-02
0.5921E+02	0.1515E-01
0.1184E+03	0.3030E-01
0.2368E+03	0.1970E+00
0.3553E+03	0.6364E+00
0.4263E+03	0.1106E+01
0.4737E+03	0.1515E+01
0.4737E+03	0.2273E+01
0.4737E+03	0.3030E+01

LOAD VERSUS SETTLEMENT CURVE
****

TOP LOAD KIP	TOP MOVEMENT IN.	TIP LOAD KIP	TIP MOVEMENT IN.
0.8022E+00	0.2033E-03	0.3908E+00	0.1000E-03
0.8022E+01	0.2033E-02	0.3908E+01	0.1000E-02
0.4011E+02	0.1016E-01	0.1954E+02	0.5000E-02
0.8033E+02	0.2033E-01	0.3908E+02	0.1000E-01
0.3286E+03	0.9141E-01	0.1324E+03	0.5000E-01
0.5058E+03	0.1635E+00	0.1679E+03	0.1000E+00
0.6556E+03	0.5863E+00	0.3185E+03	0.5000E+00
0.7474E+03	0.1100E+01	0.4103E+03	0.1000E+01
0.8108E+03	0.2110E+01	0.4737E+03	0.2000E+01

EL 983


Bent 2
Axial Capacity (kips)
Depth (ft)
Scour depth 8 ft
Skin Friction
Tip Resistance
Total Capacity
0
100
200
300
400
500
600
700
800
900
1000
1100
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48

```
     ============================================================================

                      APILE for Windows, Version 2015.7.7

                       Serial Number :  164285430

                       A Program for Analyzing the Axial Capacity
                       and Short-term Settlement of Driven Piles
                                 under Axial Loading.
                     (c) Copyright ENSOFT, Inc., 1987-2015
                           All Rights Reserved

     ============================================================================


     This program is licensed to :

     S&ME
     Duluth, GA

     Path to file locations      : Z:\Shared\SME\Ops\GEO\Projects\2021\21800004_Pond
& Co_Webb Bridge Rd over Big Creek_Alpharetta GA\Calcs\Bent 2\
     Name of input data file     : Bent 2.ap7d
     Name of output file         : Bent 2.ap7o
     Name of plot output file    : Bent 2.ap7p

     ----------------------------------------------------------------------------
                          Time and Date of Analysis
     ----------------------------------------------------------------------------

               Date:  December 15, 2021     Time:  13:40:47



1
          **********************
          * INPUT INFORMATION *
          **********************



          Bent 2

          DESIGNER   : M. Tilashalski

          JOB NUMBER : 21800004


          METHOD FOR UNIT LOAD TRANSFERS :
```

- FHWA (Federal Highway Administration)
  Unfactored Unit Side Friction and Unit Side Resistance are used.

COMPUTATION METHOD(S) FOR PILE CAPACITY :

- FHWA (Federal Highway Administration)

TYPE OF LOADING :
- COMPRESSION

PILE TYPE :

H-Pile/Steel Pile

DATA FOR AXIAL STIFFNESS :

- MODULUS OF ELASTICITY = 0.290E+08 PSI
- CROSS SECTION AREA = 198.60 IN2

NONCIRCULAR PILE PROPERTIES :

- TOTAL PILE LENGTH, TL = 51.00 FT.
- PILE STICKUP LENGTH, PSL = 3.00 FT.
- ZERO FRICTION LENGTH, ZFL = 0.00 FT.
- PERIMETER OF PILE = 56.40 IN.
- TIP AREA OF PILE = 198.60 IN2
- INCREMENT OF PILE LENGTH
  USED IN COMPUTATION = 1.00 FT.

SOIL INFORMATIONS :

DEPTH FT.	SOIL TYPE	LATERAL EARTH PRESSURE	EFFECTIVE UNIT WEIGHT LB/CF	FRICTION ANGLE DEGREES	BEARING CAPACITY FACTOR
0.00	CLAY	0.00	105.00	0.00	0.00
3.00	CLAY	0.00	105.00	0.00	0.00
3.00	CLAY	0.00	43.00	0.00	0.00
7.00	CLAY	0.00	43.00	0.00	0.00
7.00	SAND	0.00	53.00	30.00	0.00

21.00	SAND	0.00	53.00	30.00	0.00
21.00	SAND	0.00	53.00	34.00	0.00
32.00	SAND	0.00	53.00	34.00	0.00
32.00	SAND	0.00	63.00	38.00	0.00
48.00	SAND	0.00	63.00	38.00	0.00
48.00	SAND	0.00	83.00	45.00	0.00
60.00	SAND	0.00	83.00	45.00	0.00

MAXIMUM UNIT FRICTION KSF	MAXIMUM UNIT BEARING KSF	UNDISTURB SHEAR STRENGTH KSF	REMOLDED SHEAR STRENGTH KSF	BLOW COUNT	UNIT SKIN FRICTION KSF	UNIT END BEARING KSF
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00

* MAXIMUM UNIT FRICTION AND/OR MAXIMUM UNIT BEARING
WERE SET TO BE 0.10E+08 BECAUSE THE USER DOES NOT
PLAN TO LIMIT THE COMPUTED DATA.

DEPTH FT.	LRFD FACTOR ON UNIT FRICTION	LRFD FACTOR ON UNIT BEARING
0.00	1.000	1.000
3.00	1.000	1.000
3.00	1.000	1.000
7.00	1.000	1.000
7.00	1.000	1.000
21.00	1.000	1.000
21.00	1.000	1.000
32.00	1.000	1.000
32.00	1.000	1.000
48.00	1.000	1.000
48.00	1.000	1.000
60.00	1.000	1.000

1

****
* COMPUTATION RESULT *
****

****
* FED. HWY. METHOD *
****

EL 983

PILE PENETRATION FT.	TOTAL SKIN FRICTION KIP	END BEARING KIP	ULTIMATE CAPACITY KIP
0.00	0.0	3.1	3.1
1.00	0.0	3.1	3.1
2.00	0.6	4.5	5.1
3.00	1.8	6.2	8.0
4.00	3.0	6.2	9.3
5.00	4.3	6.5	10.8
6.00	5.5	7.9	13.4
7.00	6.7	9.7	16.4
8.00	8.0	11.7	19.7
9.00	9.5	13.9	23.5
10.00	11.2	15.5	26.7
11.00	13.0	16.6	29.6
12.00	14.9	17.5	32.4
13.00	17.0	18.0	35.0
14.00	19.2	18.3	37.5
15.00	21.6	18.4	39.9
16.00	24.1	18.4	42.4
17.00	26.7	18.4	45.1
18.00	29.5	18.4	47.9
19.00	32.4	20.8	53.2
20.00	35.5	31.1	66.5
21.00	38.7	41.9	80.6
22.00	43.0	53.4	96.4
23.00	48.6	65.5	114.1
24.00	54.4	70.5	124.9
25.00	60.3	73.2	133.6
26.00	66.6	75.9	142.5
27.00	73.0	78.6	151.6
28.00	79.6	81.3	161.0
29.00	86.5	84.0	170.5
30.00	93.6	92.6	186.2
31.00	101.0	119.8	220.8
32.00	108.5	148.0	256.6
33.00	119.1	177.2	296.2

34.00	132.7	207.3	340.0
35.00	146.8	220.0	366.8
36.00	161.4	226.9	388.3
37.00	176.4	233.8	410.2
38.00	191.8	240.8	432.6
39.00	207.8	247.7	455.4
40.00	224.1	254.6	478.7
41.00	240.9	261.5	502.4
42.00	258.2	268.5	526.6
43.00	275.9	275.4	551.3
44.00	294.1	282.3	576.4
45.00	312.7	289.2	601.9
46.00	331.7	334.6	666.3
47.00	351.2	497.9	849.2
48.00	371.2	659.8	1031.0

NOTES:
- AN ASTERISK IS PLACED IN THE END-BEARING COLUMN
  IF THE TIP RESISTANCE IS CONTROLLED BY THE FRICTION
  OF SOIL PLUG INSIDE AN OPEN-ENDED PIPE PILE.

****
* COMPUTE LOAD-DISTRIBUTION AND LOAD-SETTLEMENT *
* CURVES FOR AXIAL LOADING *
****

T-Z CURVE NO.	NO. OF POINTS	DEPTH TO CURVE FT.	LOAD TRANSFER PSI	PILE MOVEMENT IN.
1	10	0.0000E+00		
			0.0000E+00	0.0000E+00
			0.2703E+00	0.2872E-01
			0.4505E+00	0.5565E-01
			0.6758E+00	0.1023E+00
			0.8109E+00	0.1436E+00
			0.9010E+00	0.1795E+00
			0.8109E+00	0.3591E+00
			0.8109E+00	0.5386E+00
			0.8109E+00	0.8976E+00
			0.8109E+00	0.3591E+01
2	10	0.1525E+01		
			0.0000E+00	0.0000E+00
			0.5406E+00	0.2872E-01
			0.9010E+00	0.5565E-01
			0.1352E+01	0.1023E+00
			0.1622E+01	0.1436E+00

```
                                    0.1802E+01      0.1795E+00
                                    0.1622E+01      0.3591E+00
                                    0.1622E+01      0.5386E+00
                                    0.1622E+01      0.8976E+00
                                    0.1622E+01      0.3591E+01
3          10       0.2958E+01
                                    0.0000E+00      0.0000E+00
                                    0.5406E+00      0.2872E-01
                                    0.9010E+00      0.5565E-01
                                    0.1352E+01      0.1023E+00
                                    0.1622E+01      0.1436E+00
                                    0.1802E+01      0.1795E+00
                                    0.1622E+01      0.3591E+00
                                    0.1622E+01      0.5386E+00
                                    0.1622E+01      0.8976E+00
                                    0.1622E+01      0.3591E+01
4          10       0.3000E+01
                                    0.0000E+00      0.0000E+00
                                    0.5406E+00      0.2872E-01
                                    0.9010E+00      0.5565E-01
                                    0.1352E+01      0.1023E+00
                                    0.1622E+01      0.1436E+00
                                    0.1802E+01      0.1795E+00
                                    0.1622E+01      0.3591E+00
                                    0.1622E+01      0.5386E+00
                                    0.1622E+01      0.8976E+00
                                    0.1622E+01      0.3591E+01
5          10       0.5025E+01
                                    0.0000E+00      0.0000E+00
                                    0.5406E+00      0.2872E-01
                                    0.9010E+00      0.5565E-01
                                    0.1352E+01      0.1023E+00
                                    0.1622E+01      0.1436E+00
                                    0.1802E+01      0.1795E+00
                                    0.1622E+01      0.3591E+00
                                    0.1622E+01      0.5386E+00
                                    0.1622E+01      0.8976E+00
                                    0.1622E+01      0.3591E+01
6          10       0.6958E+01
                                    0.0000E+00      0.0000E+00
                                    0.5650E+00      0.2872E-01
                                    0.9417E+00      0.5565E-01
                                    0.1413E+01      0.1023E+00
                                    0.1695E+01      0.1436E+00
                                    0.1883E+01      0.1795E+00
                                    0.1695E+01      0.3591E+00
                                    0.1695E+01      0.5386E+00
                                    0.1695E+01      0.8976E+00
                                    0.1695E+01      0.3591E+01
7          10       0.7000E+01
```

			0.0000E+00	0.0000E+00
			0.2098E+00	0.1000E-01
			0.4197E+00	0.2000E-01
			0.8393E+00	0.4000E-01
			0.1259E+01	0.6000E-01
			0.1679E+01	0.8000E-01
			0.1888E+01	0.9000E-01
			0.2098E+01	0.1000E+00
			0.2098E+01	0.5000E+00
			0.2098E+01	0.2000E+01
8	10	0.1403E+02		
			0.0000E+00	0.0000E+00
			0.3589E+00	0.1000E-01
			0.7178E+00	0.2000E-01
			0.1436E+01	0.4000E-01
			0.2153E+01	0.6000E-01
			0.2871E+01	0.8000E-01
			0.3230E+01	0.9000E-01
			0.3589E+01	0.1000E+00
			0.3589E+01	0.5000E+00
			0.3589E+01	0.2000E+01
9	10	0.2096E+02		
			0.0000E+00	0.0000E+00
			0.5584E+00	0.1000E-01
			0.1117E+01	0.2000E-01
			0.2233E+01	0.4000E-01
			0.3350E+01	0.6000E-01
			0.4467E+01	0.8000E-01
			0.5025E+01	0.9000E-01
			0.5584E+01	0.1000E+00
			0.5584E+01	0.5000E+00
			0.5584E+01	0.2000E+01
10	10	0.2100E+02		
			0.0000E+00	0.0000E+00
			0.7307E+00	0.1000E-01
			0.1461E+01	0.2000E-01
			0.2923E+01	0.4000E-01
			0.4384E+01	0.6000E-01
			0.5845E+01	0.8000E-01
			0.6576E+01	0.9000E-01
			0.7307E+01	0.1000E+00
			0.7307E+01	0.5000E+00
			0.7307E+01	0.2000E+01
11	10	0.2653E+02		
			0.0000E+00	0.0000E+00
			0.9675E+00	0.1000E-01
			0.1935E+01	0.2000E-01
			0.3870E+01	0.4000E-01
			0.5805E+01	0.6000E-01
			0.7740E+01	0.8000E-01

			0.8708E+01	0.9000E-01
			0.9675E+01	0.1000E+00
			0.9675E+01	0.5000E+00
			0.9675E+01	0.2000E+01
12	10	0.3196E+02		
			0.0000E+00	0.0000E+00
			0.1338E+01	0.1000E-01
			0.2675E+01	0.2000E-01
			0.5350E+01	0.4000E-01
			0.8026E+01	0.6000E-01
			0.1070E+02	0.8000E-01
			0.1204E+02	0.9000E-01
			0.1338E+02	0.1000E+00
			0.1338E+02	0.5000E+00
			0.1338E+02	0.2000E+01
13	10	0.3200E+02		
			0.0000E+00	0.0000E+00
			0.1788E+01	0.1000E-01
			0.3576E+01	0.2000E-01
			0.7151E+01	0.4000E-01
			0.1073E+02	0.6000E-01
			0.1430E+02	0.8000E-01
			0.1609E+02	0.9000E-01
			0.1788E+02	0.1000E+00
			0.1788E+02	0.5000E+00
			0.1788E+02	0.2000E+01
14	10	0.4003E+02		
			0.0000E+00	0.0000E+00
			0.2517E+01	0.1000E-01
			0.5034E+01	0.2000E-01
			0.1007E+02	0.4000E-01
			0.1510E+02	0.6000E-01
			0.2014E+02	0.8000E-01
			0.2265E+02	0.9000E-01
			0.2517E+02	0.1000E+00
			0.2517E+02	0.5000E+00
			0.2517E+02	0.2000E+01
15	10	0.4796E+02		
			0.0000E+00	0.0000E+00
			0.2950E+01	0.1000E-01
			0.5900E+01	0.2000E-01
			0.1180E+02	0.4000E-01
			0.1770E+02	0.6000E-01
			0.2360E+02	0.8000E-01
			0.2655E+02	0.9000E-01
			0.2950E+02	0.1000E+00
			0.2950E+02	0.5000E+00
			0.2950E+02	0.2000E+01
16	10	0.4800E+02		
			0.0000E+00	0.0000E+00

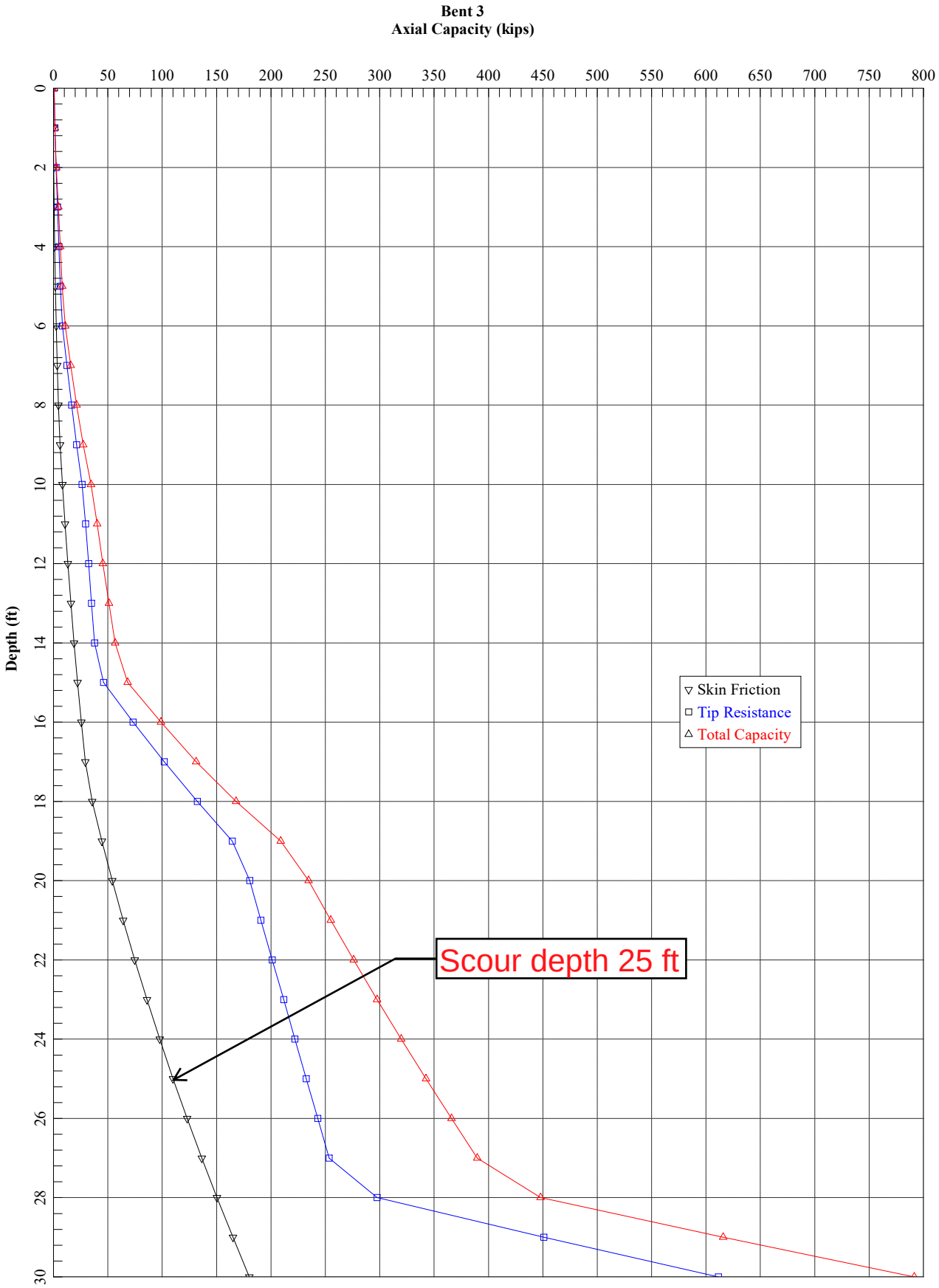
			0.2950E+01	0.1000E-01
			0.5900E+01	0.2000E-01
			0.1180E+02	0.4000E-01
			0.1770E+02	0.6000E-01
			0.2360E+02	0.8000E-01
			0.2655E+02	0.9000E-01
			0.2950E+02	0.1000E+00
			0.2950E+02	0.5000E+00
			0.2950E+02	0.2000E+01
17	10	0.5403E+02		
			0.0000E+00	0.0000E+00
			0.2950E+01	0.1000E-01
			0.5900E+01	0.2000E-01
			0.1180E+02	0.4000E-01
			0.1770E+02	0.6000E-01
			0.2360E+02	0.8000E-01
			0.2655E+02	0.9000E-01
			0.2950E+02	0.1000E+00
			0.2950E+02	0.5000E+00
			0.2950E+02	0.2000E+01
18	10	0.5996E+02		
			0.0000E+00	0.0000E+00
			0.2950E+01	0.1000E-01
			0.5900E+01	0.2000E-01
			0.1180E+02	0.4000E-01
			0.1770E+02	0.6000E-01
			0.2360E+02	0.8000E-01
			0.2655E+02	0.9000E-01
			0.2950E+02	0.1000E+00
			0.2950E+02	0.5000E+00
			0.2950E+02	0.2000E+01

TIP LOAD KIP	TIP MOVEMENT IN.
0.0000E+00	0.0000E+00
0.4123E+02	0.8976E-02
0.8247E+02	0.1795E-01
0.1649E+03	0.3591E-01
0.3299E+03	0.2334E+00
0.4948E+03	0.7540E+00
0.5938E+03	0.1311E+01
0.6598E+03	0.1795E+01
0.6598E+03	0.2693E+01
0.6598E+03	0.3591E+01

LOAD VERSUS SETTLEMENT CURVE
****

TOP LOAD KIP	TOP MOVEMENT IN.	TIP LOAD KIP	TIP MOVEMENT IN.
0.9047E+00	0.1826E-03	0.4594E+00	0.1000E-03
0.9047E+01	0.1826E-02	0.4594E+01	0.1000E-02
0.4524E+02	0.9129E-02	0.2297E+02	0.5000E-02
0.9047E+02	0.1826E-01	0.4594E+02	0.1000E-01
0.3934E+03	0.8540E-01	0.1767E+03	0.5000E-01
0.5987E+03	0.1533E+00	0.2185E+03	0.1000E+00
0.7946E+03	0.5741E+00	0.4143E+03	0.5000E+00
0.9188E+03	0.1087E+01	0.5386E+03	0.1000E+01
0.1040E+04	0.2100E+01	0.6598E+03	0.2000E+01

EL 970


Bent 3
Axial Capacity (kips)
Depth (ft)
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
750
800
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
Skin Friction
Tip Resistance
Total Capacity
Scour depth 25 ft

```
     ============================================================================

                      APILE for Windows, Version 2015.7.7

                       Serial Number :  164285430

                       A Program for Analyzing the Axial Capacity
                       and Short-term Settlement of Driven Piles
                                 under Axial Loading.
                     (c) Copyright ENSOFT, Inc., 1987-2015
                           All Rights Reserved

     ============================================================================


     This program is licensed to :

     S&ME
     Duluth, GA

     Path to file locations      : Z:\Shared\SME\Ops\GEO\Projects\2021\21800004_Pond
& Co_Webb Bridge Rd over Big Creek_Alpharetta GA\Calcs\Bent 3\
     Name of input data file     : Bent 3.ap7d
     Name of output file         : Bent 3.ap7o
     Name of plot output file    : Bent 3.ap7p

     ----------------------------------------------------------------------------
                          Time and Date of Analysis
     ----------------------------------------------------------------------------

               Date:  December 15, 2021     Time:  13:54:52



1
          **********************
          * INPUT INFORMATION *
          **********************



          Bent 3

          DESIGNER   : M. Tilashalski

          JOB NUMBER : 21800004


          METHOD FOR UNIT LOAD TRANSFERS :
```

- FHWA (Federal Highway Administration)
  Unfactored Unit Side Friction and Unit Side Resistance are used.

COMPUTATION METHOD(S) FOR PILE CAPACITY :

- FHWA (Federal Highway Administration)

TYPE OF LOADING :
- COMPRESSION

PILE TYPE :

H-Pile/Steel Pile

DATA FOR AXIAL STIFFNESS :

- MODULUS OF ELASTICITY = 0.290E+08 PSI
- CROSS SECTION AREA = 198.60 IN2

NONCIRCULAR PILE PROPERTIES :

- TOTAL PILE LENGTH, TL = 46.00 FT.
- PILE STICKUP LENGTH, PSL = 16.00 FT.
- ZERO FRICTION LENGTH, ZFL = 0.00 FT.
- PERIMETER OF PILE = 56.40 IN.
- TIP AREA OF PILE = 198.60 IN2
- INCREMENT OF PILE LENGTH
  USED IN COMPUTATION = 1.00 FT.

SOIL INFORMATIONS :

DEPTH FT.	SOIL TYPE	LATERAL EARTH PRESSURE	EFFECTIVE UNIT WEIGHT LB/CF	FRICTION ANGLE DEGREES	BEARING CAPACITY FACTOR
0.00	SAND	0.00	53.00	30.00	0.00
8.00	SAND	0.00	53.00	30.00	0.00
8.00	SAND	0.00	53.00	34.00	0.00
17.00	SAND	0.00	53.00	34.00	0.00
17.00	SAND	0.00	63.00	40.00	0.00

30.00	SAND	0.00	63.00	40.00	0.00
30.00	SAND	0.00	83.00	45.00	0.00
40.00	SAND	0.00	83.00	45.00	0.00

MAXIMUM UNIT FRICTION KSF	MAXIMUM UNIT BEARING KSF	UNDISTURB SHEAR STRENGTH KSF	REMOLDED SHEAR STRENGTH KSF	BLOW COUNT	UNIT SKIN FRICTION KSF	UNIT END BEARING KSF
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00

* MAXIMUM UNIT FRICTION AND/OR MAXIMUM UNIT BEARING
WERE SET TO BE 0.10E+08 BECAUSE THE USER DOES NOT
PLAN TO LIMIT THE COMPUTED DATA.

DEPTH FT.	LRFD FACTOR ON UNIT FRICTION	LRFD FACTOR ON UNIT BEARING
0.00	1.000	1.000
8.00	1.000	1.000
8.00	1.000	1.000
17.00	1.000	1.000
17.00	1.000	1.000
30.00	1.000	1.000
30.00	1.000	1.000
40.00	1.000	1.000

1

****
* COMPUTATION RESULT *
****

****
* FED. HWY. METHOD *
****

EL 970

PILE PENETRATION FT.	TOTAL SKIN FRICTION KIP	END BEARING KIP	ULTIMATE CAPACITY KIP
0.00	0.0	0.7	0.7
1.00	0.1	1.3	1.4
2.00	0.3	2.4	2.7
3.00	0.6	3.8	4.5
4.00	1.1	5.1	6.2
5.00	1.8	6.4	8.1
6.00	2.5	8.3	10.8
7.00	3.5	12.3	15.8
8.00	4.5	16.7	21.2
9.00	6.1	21.3	27.4
10.00	8.2	26.3	34.6
11.00	10.6	29.6	40.2
12.00	13.2	32.3	45.5
13.00	16.0	35.0	51.0
14.00	19.0	37.7	56.7
15.00	22.2	46.1	68.3
16.00	25.7	73.1	98.8
17.00	29.4	101.8	131.2
18.00	35.7	132.2	167.9
19.00	44.6	164.4	209.0
20.00	54.1	180.4	234.5
21.00	64.1	190.8	255.0
22.00	74.8	201.2	276.0
23.00	86.0	211.7	297.6
24.00	97.7	222.1	319.8
25.00	110.0	232.5	342.6
26.00	122.9	243.0	365.9
27.00	136.4	253.4	389.7
28.00	150.4	297.6	448.0
29.00	165.0	450.9	615.9
30.00	180.1	611.5	791.6

NOTES:
- AN ASTERISK IS PLACED IN THE END-BEARING COLUMN
  IF THE TIP RESISTANCE IS CONTROLLED BY THE FRICTION
  OF SOIL PLUG INSIDE AN OPEN-ENDED PIPE PILE.

****
* COMPUTE LOAD-DISTRIBUTION AND LOAD-SETTLEMENT *
* CURVES FOR AXIAL LOADING *
****

T-Z CURVE NO.	NO. OF POINTS	DEPTH TO CURVE FT.	LOAD TRANSFER PSI	PILE MOVEMENT IN.
1	10	0.0000E+00		
			0.0000E+00	0.0000E+00
			0.3132E-01	0.1000E-01
			0.6264E-01	0.2000E-01
			0.1253E+00	0.4000E-01
			0.1879E+00	0.6000E-01
			0.2506E+00	0.8000E-01
			0.2819E+00	0.9000E-01
			0.3132E+00	0.1000E+00
			0.3132E+00	0.5000E+00
			0.3132E+00	0.2000E+01
2	10	0.4025E+01		
			0.0000E+00	0.0000E+00
			0.1044E+00	0.1000E-01
			0.2088E+00	0.2000E-01
			0.4176E+00	0.4000E-01
			0.6264E+00	0.6000E-01
			0.8352E+00	0.8000E-01
			0.9396E+00	0.9000E-01
			0.1044E+01	0.1000E+00
			0.1044E+01	0.5000E+00
			0.1044E+01	0.2000E+01
3	10	0.7958E+01		
			0.0000E+00	0.0000E+00
			0.1946E+00	0.1000E-01
			0.3893E+00	0.2000E-01
			0.7786E+00	0.4000E-01
			0.1168E+01	0.6000E-01
			0.1557E+01	0.8000E-01
			0.1752E+01	0.9000E-01
			0.1946E+01	0.1000E+00
			0.1946E+01	0.5000E+00
			0.1946E+01	0.2000E+01
4	10	0.8000E+01		
			0.0000E+00	0.0000E+00
			0.2738E+00	0.1000E-01
			0.5476E+00	0.2000E-01
			0.1095E+01	0.4000E-01
			0.1643E+01	0.6000E-01
			0.2190E+01	0.8000E-01
			0.2464E+01	0.9000E-01
			0.2738E+01	0.1000E+00
			0.2738E+01	0.5000E+00
			0.2738E+01	0.2000E+01
5	10	0.1253E+02		
			0.0000E+00	0.0000E+00
			0.4309E+00	0.1000E-01

			0.8618E+00	0.2000E-01
			0.1724E+01	0.4000E-01
			0.2586E+01	0.6000E-01
			0.3447E+01	0.8000E-01
			0.3878E+01	0.9000E-01
			0.4309E+01	0.1000E+00
			0.4309E+01	0.5000E+00
			0.4309E+01	0.2000E+01
6	10	0.1696E+02		
			0.0000E+00	0.0000E+00
			0.7338E+00	0.1000E-01
			0.1468E+01	0.2000E-01
			0.2935E+01	0.4000E-01
			0.4403E+01	0.6000E-01
			0.5870E+01	0.8000E-01
			0.6604E+01	0.9000E-01
			0.7338E+01	0.1000E+00
			0.7338E+01	0.5000E+00
			0.7338E+01	0.2000E+01
7	10	0.1700E+02		
			0.0000E+00	0.0000E+00
			0.1120E+01	0.1000E-01
			0.2240E+01	0.2000E-01
			0.4480E+01	0.4000E-01
			0.6720E+01	0.6000E-01
			0.8960E+01	0.8000E-01
			0.1008E+02	0.9000E-01
			0.1120E+02	0.1000E+00
			0.1120E+02	0.5000E+00
			0.1120E+02	0.2000E+01
8	10	0.2353E+02		
			0.0000E+00	0.0000E+00
			0.1779E+01	0.1000E-01
			0.3557E+01	0.2000E-01
			0.7114E+01	0.4000E-01
			0.1067E+02	0.6000E-01
			0.1423E+02	0.8000E-01
			0.1601E+02	0.9000E-01
			0.1779E+02	0.1000E+00
			0.1779E+02	0.5000E+00
			0.1779E+02	0.2000E+01
9	10	0.2996E+02		
			0.0000E+00	0.0000E+00
			0.2238E+01	0.1000E-01
			0.4476E+01	0.2000E-01
			0.8951E+01	0.4000E-01
			0.1343E+02	0.6000E-01
			0.1790E+02	0.8000E-01
			0.2014E+02	0.9000E-01
			0.2238E+02	0.1000E+00

			0.2238E+02	0.5000E+00
			0.2238E+02	0.2000E+01
10	10	0.3000E+02		
			0.0000E+00	0.0000E+00
			0.2238E+01	0.1000E-01
			0.4476E+01	0.2000E-01
			0.8951E+01	0.4000E-01
			0.1343E+02	0.6000E-01
			0.1790E+02	0.8000E-01
			0.2014E+02	0.9000E-01
			0.2238E+02	0.1000E+00
			0.2238E+02	0.5000E+00
			0.2238E+02	0.2000E+01
11	10	0.3503E+02		
			0.0000E+00	0.0000E+00
			0.2238E+01	0.1000E-01
			0.4476E+01	0.2000E-01
			0.8951E+01	0.4000E-01
			0.1343E+02	0.6000E-01
			0.1790E+02	0.8000E-01
			0.2014E+02	0.9000E-01
			0.2238E+02	0.1000E+00
			0.2238E+02	0.5000E+00
			0.2238E+02	0.2000E+01
12	10	0.3996E+02		
			0.0000E+00	0.0000E+00
			0.2238E+01	0.1000E-01
			0.4476E+01	0.2000E-01
			0.8951E+01	0.4000E-01
			0.1343E+02	0.6000E-01
			0.1790E+02	0.8000E-01
			0.2014E+02	0.9000E-01
			0.2238E+02	0.1000E+00
			0.2238E+02	0.5000E+00
			0.2238E+02	0.2000E+01

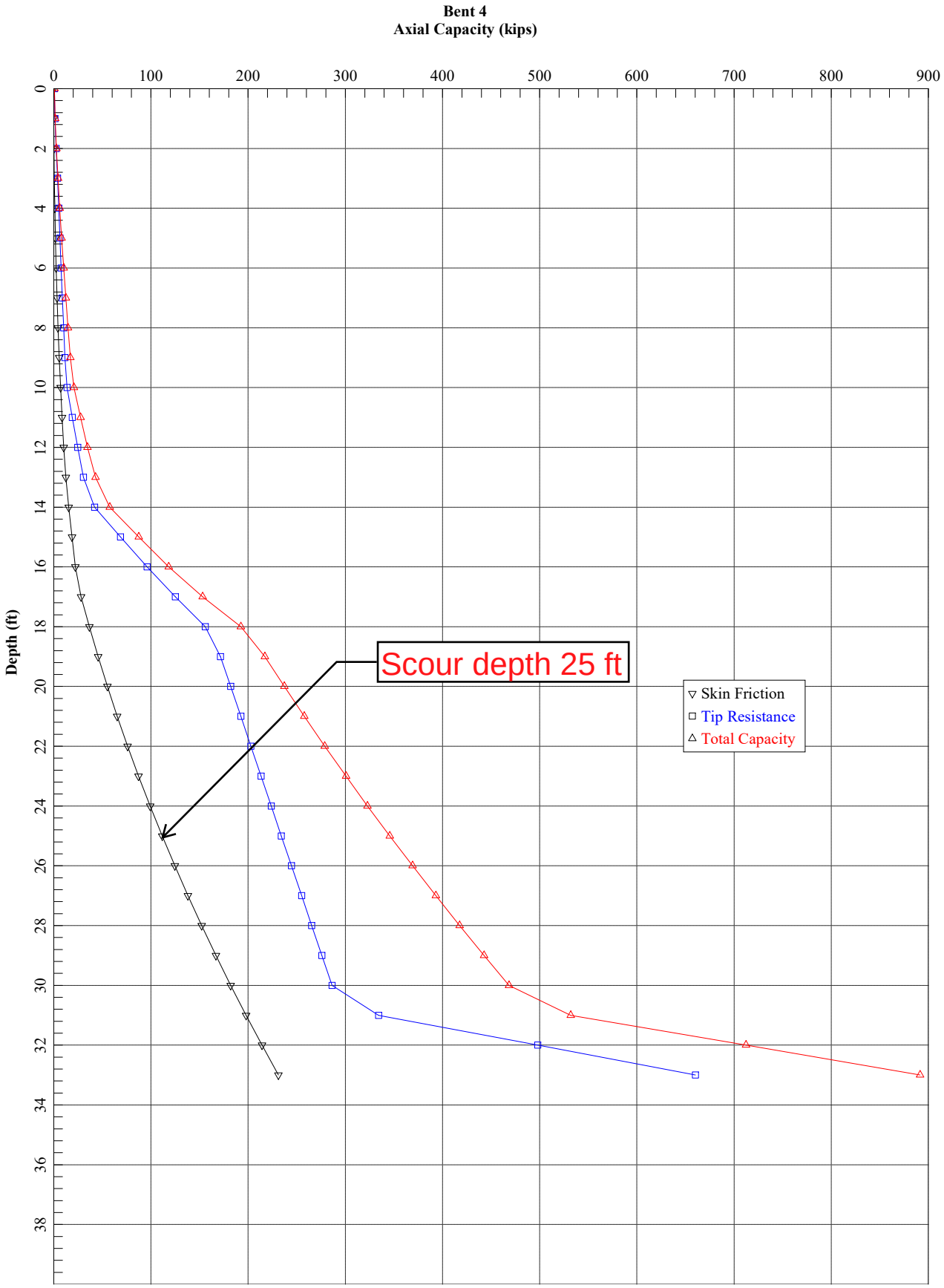
TIP LOAD KIP	TIP MOVEMENT IN.
0.0000E+00	0.0000E+00
0.3822E+02	0.8976E-02
0.7644E+02	0.1795E-01
0.1529E+03	0.3591E-01
0.3057E+03	0.2334E+00
0.4586E+03	0.7540E+00
0.5503E+03	0.1311E+01
0.6115E+03	0.1795E+01
0.6115E+03	0.2693E+01

0.6115E+03 0.3591E+01

LOAD VERSUS SETTLEMENT CURVE
****

TOP LOAD KIP	TOP MOVEMENT IN.	TIP LOAD KIP	TIP MOVEMENT IN.
0.6277E+00	0.1566E-03	0.4258E+00	0.1000E-03
0.6277E+01	0.1566E-02	0.4258E+01	0.1000E-02
0.3138E+02	0.7829E-02	0.2129E+02	0.5000E-02
0.6277E+02	0.1566E-01	0.4258E+02	0.1000E-01
0.2639E+03	0.7354E-01	0.1638E+03	0.5000E-01
0.3899E+03	0.1342E+00	0.2025E+03	0.1000E+00
0.5714E+03	0.5516E+00	0.3840E+03	0.5000E+00
0.6866E+03	0.1063E+01	0.4992E+03	0.1000E+01
0.7989E+03	0.2073E+01	0.6115E+03	0.2000E+01

EL 975


Bent 4
Axial Capacity (kips)
0
100
200
300
400
500
600
700
800
900
Depth (ft)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
Scour depth 25 ft
Skin Friction
Tip Resistance
Total Capacity

```
     ==========================================================================

                      APILE for Windows, Version 2015.7.7

                       Serial Number :  164285430

                       A Program for Analyzing the Axial Capacity
                       and Short-term Settlement of Driven Piles
                                 under Axial Loading.
                     (c) Copyright ENSOFT, Inc., 1987-2015
                           All Rights Reserved

     ==========================================================================


     This program is licensed to :

     S&ME
     Duluth, GA

     Path to file locations      : Z:\Shared\SME\Ops\GEO\Projects\2021\21800004_Pond
& Co_Webb Bridge Rd over Big Creek_Alpharetta GA\Calcs\Bent 4\
     Name of input data file     : Bent 4.ap7d
     Name of output file         : Bent 4.ap7o
     Name of plot output file    : Bent 4.ap7p

     --------------------------------------------------------------------------
                          Time and Date of Analysis
     --------------------------------------------------------------------------

               Date:  December 15, 2021     Time:  14:29:20



1
          **********************
          * INPUT INFORMATION *
          **********************



          Bent 4

          DESIGNER   : M. Tilashalski

          JOB NUMBER : 21800004


          METHOD FOR UNIT LOAD TRANSFERS :
```

- FHWA (Federal Highway Administration)
  Unfactored Unit Side Friction and Unit Side Resistance are used.

COMPUTATION METHOD(S) FOR PILE CAPACITY :

- FHWA (Federal Highway Administration)

TYPE OF LOADING :
- COMPRESSION

PILE TYPE :

H-Pile/Steel Pile

DATA FOR AXIAL STIFFNESS :

- MODULUS OF ELASTICITY = 0.290E+08 PSI
- CROSS SECTION AREA = 198.60 IN2

NONCIRCULAR PILE PROPERTIES :

- TOTAL PILE LENGTH, TL = 44.00 FT.
- PILE STICKUP LENGTH, PSL = 11.00 FT.
- ZERO FRICTION LENGTH, ZFL = 0.00 FT.
- PERIMETER OF PILE = 56.40 IN.
- TIP AREA OF PILE = 198.60 IN2
- INCREMENT OF PILE LENGTH
  USED IN COMPUTATION = 1.00 FT.

SOIL INFORMATIONS :

DEPTH FT.	SOIL TYPE	LATERAL EARTH PRESSURE	EFFECTIVE UNIT WEIGHT LB/CF	FRICTION ANGLE DEGREES	BEARING CAPACITY FACTOR
0.00	SAND	0.00	53.00	30.00	0.00
12.00	SAND	0.00	53.00	30.00	0.00
12.00	SAND	0.00	53.00	34.00	0.00
16.00	SAND	0.00	53.00	34.00	0.00
16.00	SAND	0.00	63.00	40.00	0.00

33.00	SAND	0.00	63.00	40.00	0.00
33.00	SAND	0.00	83.00	45.00	0.00
40.00	SAND	0.00	83.00	45.00	0.00

MAXIMUM UNIT FRICTION KSF	MAXIMUM UNIT BEARING KSF	UNDISTURB SHEAR STRENGTH KSF	REMOLDED SHEAR STRENGTH KSF	BLOW COUNT	UNIT SKIN FRICTION KSF	UNIT END BEARING KSF
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00

* MAXIMUM UNIT FRICTION AND/OR MAXIMUM UNIT BEARING
WERE SET TO BE 0.10E+08 BECAUSE THE USER DOES NOT
PLAN TO LIMIT THE COMPUTED DATA.

DEPTH FT.	LRFD FACTOR ON UNIT FRICTION	LRFD FACTOR ON UNIT BEARING
0.00	1.000	1.000
12.00	1.000	1.000
12.00	1.000	1.000
16.00	1.000	1.000
16.00	1.000	1.000
33.00	1.000	1.000
33.00	1.000	1.000
40.00	1.000	1.000

1

****
* COMPUTATION RESULT *
****

****
* FED. HWY. METHOD *
****

EL 970

PILE PENETRATION FT.	TOTAL SKIN FRICTION KIP	END BEARING KIP	ULTIMATE CAPACITY KIP
0.00	0.0	0.7	0.7
1.00	0.1	1.3	1.4
2.00	0.3	2.4	2.7
3.00	0.6	3.8	4.5
4.00	1.1	5.1	6.2
5.00	1.8	6.4	8.1
6.00	2.5	7.6	10.2
7.00	3.5	8.9	12.4
8.00	4.5	10.2	14.7
9.00	5.7	11.4	17.2
10.00	7.1	13.7	20.7
11.00	8.5	19.0	27.5
12.00	10.2	24.6	34.8
13.00	12.5	30.5	43.0
14.00	15.5	42.1	57.6
15.00	18.8	68.7	87.5
16.00	22.2	96.1	118.3
17.00	28.1	125.1	153.3
18.00	36.6	156.0	192.5
19.00	45.6	171.6	217.2
20.00	55.2	182.0	237.2
21.00	65.3	192.5	257.8
22.00	76.0	202.9	278.9
23.00	87.3	213.3	300.7
24.00	99.2	223.8	322.9
25.00	111.6	234.2	345.8
26.00	124.6	244.6	369.2
27.00	138.1	255.0	393.1
28.00	152.2	265.5	417.7
29.00	166.9	275.9	442.8
30.00	182.1	286.3	468.4
31.00	197.9	334.2	532.1
32.00	214.3	498.0	712.3
33.00	231.2	660.3	891.5

NOTES:
- AN ASTERISK IS PLACED IN THE END-BEARING COLUMN
  IF THE TIP RESISTANCE IS CONTROLLED BY THE FRICTION
  OF SOIL PLUG INSIDE AN OPEN-ENDED PIPE PILE.

****
* COMPUTE LOAD-DISTRIBUTION AND LOAD-SETTLEMENT *
* CURVES FOR AXIAL LOADING *

****

T-Z CURVE NO.	NO. OF POINTS	DEPTH TO CURVE FT.	LOAD TRANSFER PSI	PILE MOVEMENT IN.
1	10	0.0000E+00		
			0.0000E+00	0.0000E+00
			0.3132E-01	0.1000E-01
			0.6264E-01	0.2000E-01
			0.1253E+00	0.4000E-01
			0.1879E+00	0.6000E-01
			0.2506E+00	0.8000E-01
			0.2819E+00	0.9000E-01
			0.3132E+00	0.1000E+00
			0.3132E+00	0.5000E+00
			0.3132E+00	0.2000E+01
2	10	0.6025E+01		
			0.0000E+00	0.0000E+00
			0.1462E+00	0.1000E-01
			0.2923E+00	0.2000E-01
			0.5847E+00	0.4000E-01
			0.8770E+00	0.6000E-01
			0.1169E+01	0.8000E-01
			0.1315E+01	0.9000E-01
			0.1462E+01	0.1000E+00
			0.1462E+01	0.5000E+00
			0.1462E+01	0.2000E+01
3	10	0.1196E+02		
			0.0000E+00	0.0000E+00
			0.2904E+00	0.1000E-01
			0.5809E+00	0.2000E-01
			0.1162E+01	0.4000E-01
			0.1743E+01	0.6000E-01
			0.2323E+01	0.8000E-01
			0.2614E+01	0.9000E-01
			0.2904E+01	0.1000E+00
			0.2904E+01	0.5000E+00
			0.2904E+01	0.2000E+01
4	10	0.1200E+02		
			0.0000E+00	0.0000E+00
			0.3941E+00	0.1000E-01
			0.7882E+00	0.2000E-01
			0.1576E+01	0.4000E-01
			0.2365E+01	0.6000E-01
			0.3153E+01	0.8000E-01
			0.3547E+01	0.9000E-01
			0.3941E+01	0.1000E+00
			0.3941E+01	0.5000E+00
			0.3941E+01	0.2000E+01

5	10	0.1403E+02		
			0.0000E+00	0.0000E+00
			0.4972E+00	0.1000E-01
			0.9944E+00	0.2000E-01
			0.1989E+01	0.4000E-01
			0.2983E+01	0.6000E-01
			0.3978E+01	0.8000E-01
			0.4475E+01	0.9000E-01
			0.4972E+01	0.1000E+00
			0.4972E+01	0.5000E+00
			0.4972E+01	0.2000E+01
6	10	0.1596E+02		
			0.0000E+00	0.0000E+00
			0.6913E+00	0.1000E-01
			0.1383E+01	0.2000E-01
			0.2765E+01	0.4000E-01
			0.4148E+01	0.6000E-01
			0.5531E+01	0.8000E-01
			0.6222E+01	0.9000E-01
			0.6913E+01	0.1000E+00
			0.6913E+01	0.5000E+00
			0.6913E+01	0.2000E+01
7	10	0.1600E+02		
			0.0000E+00	0.0000E+00
			0.1059E+01	0.1000E-01
			0.2118E+01	0.2000E-01
			0.4236E+01	0.4000E-01
			0.6354E+01	0.6000E-01
			0.8472E+01	0.8000E-01
			0.9531E+01	0.9000E-01
			0.1059E+02	0.1000E+00
			0.1059E+02	0.5000E+00
			0.1059E+02	0.2000E+01
8	10	0.2453E+02		
			0.0000E+00	0.0000E+00
			0.1875E+01	0.1000E-01
			0.3751E+01	0.2000E-01
			0.7501E+01	0.4000E-01
			0.1125E+02	0.6000E-01
			0.1500E+02	0.8000E-01
			0.1688E+02	0.9000E-01
			0.1875E+02	0.1000E+00
			0.1875E+02	0.5000E+00
			0.1875E+02	0.2000E+01
9	10	0.3296E+02		
			0.0000E+00	0.0000E+00
			0.2502E+01	0.1000E-01
			0.5003E+01	0.2000E-01
			0.1001E+02	0.4000E-01
			0.1501E+02	0.6000E-01

			0.2001E+02	0.8000E-01
			0.2251E+02	0.9000E-01
			0.2502E+02	0.1000E+00
			0.2502E+02	0.5000E+00
			0.2502E+02	0.2000E+01
10	10	0.3300E+02		
			0.0000E+00	0.0000E+00
			0.2502E+01	0.1000E-01
			0.5003E+01	0.2000E-01
			0.1001E+02	0.4000E-01
			0.1501E+02	0.6000E-01
			0.2001E+02	0.8000E-01
			0.2251E+02	0.9000E-01
			0.2502E+02	0.1000E+00
			0.2502E+02	0.5000E+00
			0.2502E+02	0.2000E+01
11	10	0.3653E+02		
			0.0000E+00	0.0000E+00
			0.2502E+01	0.1000E-01
			0.5003E+01	0.2000E-01
			0.1001E+02	0.4000E-01
			0.1501E+02	0.6000E-01
			0.2001E+02	0.8000E-01
			0.2251E+02	0.9000E-01
			0.2502E+02	0.1000E+00
			0.2502E+02	0.5000E+00
			0.2502E+02	0.2000E+01
12	10	0.3996E+02		
			0.0000E+00	0.0000E+00
			0.2502E+01	0.1000E-01
			0.5003E+01	0.2000E-01
			0.1001E+02	0.4000E-01
			0.1501E+02	0.6000E-01
			0.2001E+02	0.8000E-01
			0.2251E+02	0.9000E-01
			0.2502E+02	0.1000E+00
			0.2502E+02	0.5000E+00
			0.2502E+02	0.2000E+01

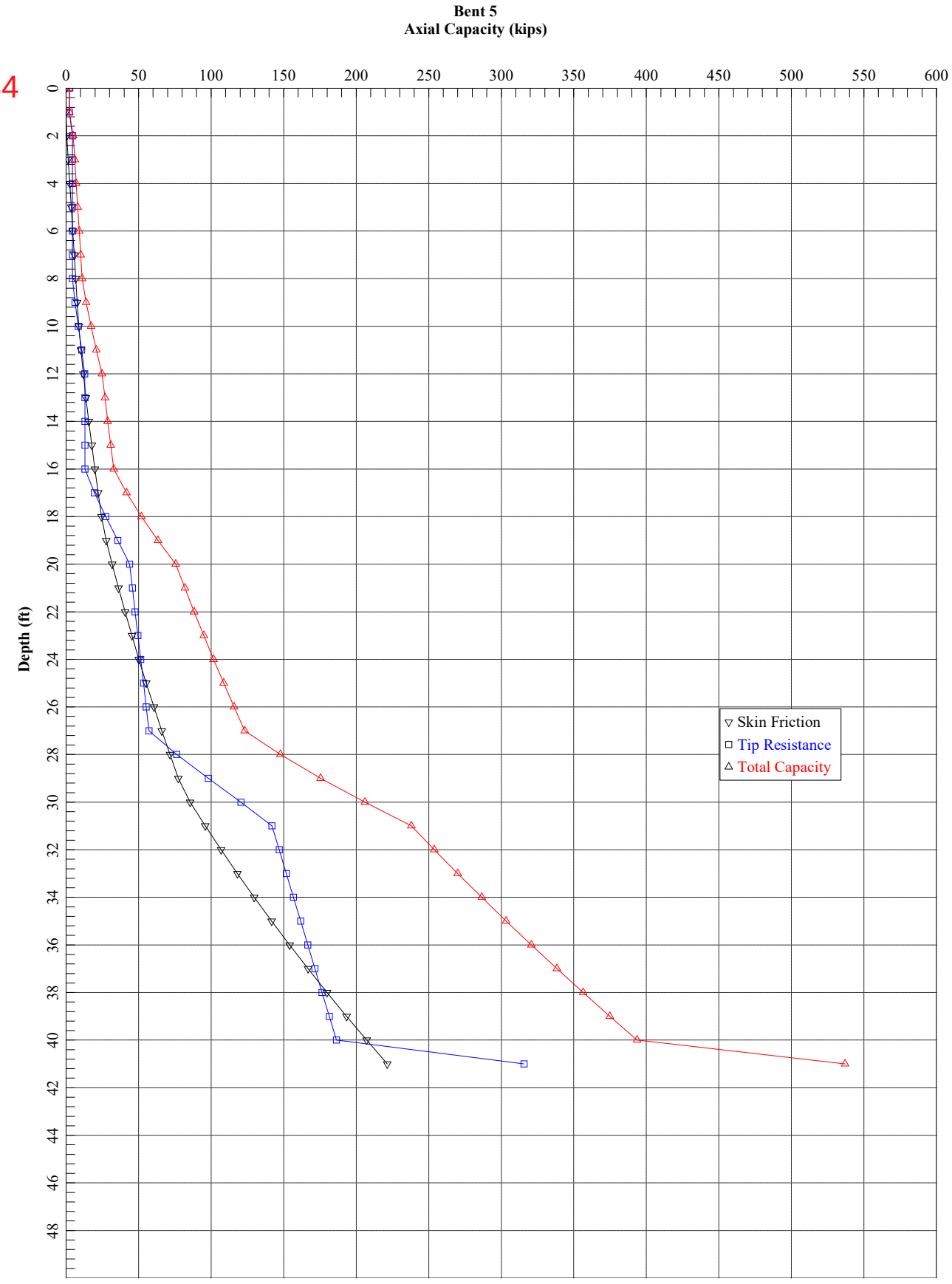
TIP LOAD KIP	TIP MOVEMENT IN.
0.0000E+00	0.0000E+00
0.4127E+02	0.8976E-02
0.8254E+02	0.1795E-01
0.1651E+03	0.3591E-01
0.3301E+03	0.2334E+00
0.4952E+03	0.7540E+00

0.5943E+03	0.1311E+01
0.6603E+03	0.1795E+01
0.6603E+03	0.2693E+01
0.6603E+03	0.3591E+01

LOAD VERSUS SETTLEMENT CURVE

TOP LOAD KIP	TOP MOVEMENT IN.	TIP LOAD KIP	TIP MOVEMENT IN.
0.7189E+00	0.1608E-03	0.4597E+00	0.1000E-03
0.7189E+01	0.1608E-02	0.4597E+01	0.1000E-02
0.3595E+02	0.8039E-02	0.2299E+02	0.5000E-02
0.7189E+02	0.1608E-01	0.4597E+02	0.1000E-01
0.3050E+03	0.7545E-01	0.1769E+03	0.5000E-01
0.4549E+03	0.1373E+00	0.2187E+03	0.1000E+00
0.6510E+03	0.5552E+00	0.4147E+03	0.5000E+00
0.7753E+03	0.1067E+01	0.5390E+03	0.1000E+01
0.8966E+03	0.2078E+01	0.6603E+03	0.2000E+01

EL 984


Bent 5
Axial Capacity (kips)
Depth (ft)
0
50
100
150
200
250
300
350
400
450
500
550
600
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
Skin Friction
Tip Resistance
Total Capacity

```
     ==========================================================================

                      APILE for Windows, Version 2015.7.7

                       Serial Number :  164285430

                       A Program for Analyzing the Axial Capacity
                       and Short-term Settlement of Driven Piles
                                 under Axial Loading.
                     (c) Copyright ENSOFT, Inc., 1987-2015
                           All Rights Reserved

     ==========================================================================


     This program is licensed to :

     S&ME
     Duluth, GA

     Path to file locations      : Z:\Shared\SME\Ops\GEO\Projects\2021\21800004_Pond
& Co_Webb Bridge Rd over Big Creek_Alpharetta GA\Calcs\Bent 5\
     Name of input data file     : Bent 5 12x53.ap7d
     Name of output file         : Bent 5 12x53.ap7o
     Name of plot output file    : Bent 5 12x53.ap7p

     --------------------------------------------------------------------------
                          Time and Date of Analysis
     --------------------------------------------------------------------------

               Date:  March 17, 2022     Time:  10:37:11



1
          **********************
          * INPUT INFORMATION *
          **********************



          Bent 5

          DESIGNER   : M. Tilashalski

          JOB NUMBER : 21800004


          METHOD FOR UNIT LOAD TRANSFERS :
```

- FHWA (Federal Highway Administration)
  Unfactored Unit Side Friction and Unit Side Resistance are used.

COMPUTATION METHOD(S) FOR PILE CAPACITY :

- FHWA (Federal Highway Administration)

TYPE OF LOADING :
- COMPRESSION

PILE TYPE :

H-Pile/Steel Pile

DATA FOR AXIAL STIFFNESS :

- MODULUS OF ELASTICITY = 0.290E+08 PSI
- CROSS SECTION AREA = 141.60 IN2

NONCIRCULAR PILE PROPERTIES :

- TOTAL PILE LENGTH, TL = 43.70 FT.
- PILE STICKUP LENGTH, PSL = 2.00 FT.
- ZERO FRICTION LENGTH, ZFL = 0.00 FT.
- PERIMETER OF PILE = 47.60 IN.
- TIP AREA OF PILE = 141.60 IN2
- INCREMENT OF PILE LENGTH
  USED IN COMPUTATION = 1.00 FT.

SOIL INFORMATIONS :

DEPTH FT.	SOIL TYPE	LATERAL EARTH PRESSURE	EFFECTIVE UNIT WEIGHT LB/CF	FRICTION ANGLE DEGREES	BEARING CAPACITY FACTOR
0.00	CLAY	0.00	105.00	0.00	0.00
4.00	CLAY	0.00	105.00	0.00	0.00
4.00	CLAY	0.00	43.00	0.00	0.00
10.00	CLAY	0.00	43.00	0.00	0.00
10.00	SAND	0.00	53.00	30.00	0.00

18.00	SAND	0.00	53.00	30.00	0.00
18.00	SAND	0.00	53.00	34.00	0.00
29.00	SAND	0.00	53.00	34.00	0.00
29.00	SAND	0.00	63.00	38.00	0.00
41.70	SAND	0.00	63.00	38.00	0.00
41.70	SAND	0.00	83.00	45.00	0.00
60.00	SAND	0.00	83.00	45.00	0.00

MAXIMUM UNIT FRICTION KSF	MAXIMUM UNIT BEARING KSF	UNDISTURB SHEAR STRENGTH KSF	REMOLDED SHEAR STRENGTH KSF	BLOW COUNT	UNIT SKIN FRICTION KSF	UNIT END BEARING KSF
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.50	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00
0.10E+08*	0.10E+08*	0.00	0.00	0.00	0.00	0.00

* MAXIMUM UNIT FRICTION AND/OR MAXIMUM UNIT BEARING
WERE SET TO BE 0.10E+08 BECAUSE THE USER DOES NOT
PLAN TO LIMIT THE COMPUTED DATA.

DEPTH FT.	LRFD FACTOR ON UNIT FRICTION	LRFD FACTOR ON UNIT BEARING
0.00	1.000	1.000
4.00	1.000	1.000
4.00	1.000	1.000
10.00	1.000	1.000
10.00	1.000	1.000
18.00	1.000	1.000
18.00	1.000	1.000
29.00	1.000	1.000
29.00	1.000	1.000
41.70	1.000	1.000
41.70	1.000	1.000
60.00	1.000	1.000

1

****
* COMPUTATION RESULT *
****

****
* FED. HWY. METHOD *
****

EL 984

PILE PENETRATION FT.	TOTAL SKIN FRICTION KIP	END BEARING KIP	ULTIMATE CAPACITY KIP
0.00	0.0	2.2	2.2
1.00	0.0	2.2	2.2
2.00	0.5	4.4	4.9
3.00	1.5	4.4	6.0
4.00	2.6	4.4	7.0
5.00	3.6	4.4	8.0
6.00	4.6	4.4	9.1
7.00	5.7	4.4	10.1
8.00	6.7	4.4	11.1
9.00	7.7	6.2	13.9
10.00	8.8	8.4	17.2
11.00	10.2	10.7	20.9
12.00	11.9	12.8	24.7
13.00	13.7	13.0	26.8
14.00	15.6	13.1	28.7
15.00	17.7	13.1	30.8
16.00	19.8	13.1	32.9
17.00	22.1	19.6	41.7
18.00	24.5	27.4	51.9
19.00	27.7	35.7	63.4
20.00	31.8	43.8	75.6
21.00	36.2	45.7	81.9
22.00	40.7	47.6	88.3
23.00	45.4	49.5	94.9
24.00	50.2	51.5	101.7
25.00	55.3	53.4	108.7
26.00	60.6	55.3	115.9
27.00	66.0	57.2	123.2
28.00	71.6	76.2	147.8
29.00	77.4	98.0	175.4
30.00	85.5	120.6	206.1
31.00	96.0	141.9	238.0
32.00	106.9	146.9	253.8
33.00	118.1	151.8	269.9

34.00	129.7	156.8	286.5
35.00	141.7	161.7	303.4
36.00	154.1	166.6	320.7
37.00	166.8	171.6	338.3
38.00	179.9	176.5	356.4
39.00	193.3	181.5	374.8
40.00	207.2	186.4	393.6
41.00	221.4	315.7	537.0

NOTES:
- AN ASTERISK IS PLACED IN THE END-BEARING COLUMN
  IF THE TIP RESISTANCE IS CONTROLLED BY THE FRICTION
  OF SOIL PLUG INSIDE AN OPEN-ENDED PIPE PILE.

****
* COMPUTE LOAD-DISTRIBUTION AND LOAD-SETTLEMENT *
* CURVES FOR AXIAL LOADING *
****

T-Z CURVE NO.	NO. OF POINTS	DEPTH TO CURVE FT.	LOAD TRANSFER PSI	PILE MOVEMENT IN.
1	10	0.0000E+00		
			0.0000E+00	0.0000E+00
			0.2703E+00	0.2424E-01
			0.4505E+00	0.4697E-01
			0.6758E+00	0.8636E-01
			0.8109E+00	0.1212E+00
			0.9010E+00	0.1515E+00
			0.8109E+00	0.3030E+00
			0.8109E+00	0.4545E+00
			0.8109E+00	0.7576E+00
			0.8109E+00	0.3030E+01
2	10	0.2025E+01		
			0.0000E+00	0.0000E+00
			0.5406E+00	0.2424E-01
			0.9010E+00	0.4697E-01
			0.1352E+01	0.8636E-01
			0.1622E+01	0.1212E+00
			0.1802E+01	0.1515E+00
			0.1622E+01	0.3030E+00
			0.1622E+01	0.4545E+00
			0.1622E+01	0.7576E+00
			0.1622E+01	0.3030E+01
3	10	0.3958E+01		
			0.0000E+00	0.0000E+00

			0.5406E+00	0.2424E-01
			0.9010E+00	0.4697E-01
			0.1352E+01	0.8636E-01
			0.1622E+01	0.1212E+00
			0.1802E+01	0.1515E+00
			0.1622E+01	0.3030E+00
			0.1622E+01	0.4545E+00
			0.1622E+01	0.7576E+00
			0.1622E+01	0.3030E+01
4	10	0.4000E+01		
			0.0000E+00	0.0000E+00
			0.5406E+00	0.2424E-01
			0.9010E+00	0.4697E-01
			0.1352E+01	0.8636E-01
			0.1622E+01	0.1212E+00
			0.1802E+01	0.1515E+00
			0.1622E+01	0.3030E+00
			0.1622E+01	0.4545E+00
			0.1622E+01	0.7576E+00
			0.1622E+01	0.3030E+01
5	10	0.7025E+01		
			0.0000E+00	0.0000E+00
			0.5406E+00	0.2424E-01
			0.9010E+00	0.4697E-01
			0.1352E+01	0.8636E-01
			0.1622E+01	0.1212E+00
			0.1802E+01	0.1515E+00
			0.1622E+01	0.3030E+00
			0.1622E+01	0.4545E+00
			0.1622E+01	0.7576E+00
			0.1622E+01	0.3030E+01
6	10	0.9958E+01		
			0.0000E+00	0.0000E+00
			0.6628E+00	0.2424E-01
			0.1105E+01	0.4697E-01
			0.1657E+01	0.8636E-01
			0.1988E+01	0.1212E+00
			0.2209E+01	0.1515E+00
			0.1988E+01	0.3030E+00
			0.1988E+01	0.4545E+00
			0.1988E+01	0.7576E+00
			0.1988E+01	0.3030E+01
7	10	0.1000E+02		
			0.0000E+00	0.0000E+00
			0.2702E+00	0.1000E-01
			0.5405E+00	0.2000E-01
			0.1081E+01	0.4000E-01
			0.1621E+01	0.6000E-01
			0.2162E+01	0.8000E-01
			0.2432E+01	0.9000E-01

			0.2702E+01	0.1000E+00
			0.2702E+01	0.5000E+00
			0.2702E+01	0.2000E+01
8	10	0.1403E+02		
			0.0000E+00	0.0000E+00
			0.3657E+00	0.1000E-01
			0.7314E+00	0.2000E-01
			0.1463E+01	0.4000E-01
			0.2194E+01	0.6000E-01
			0.2926E+01	0.8000E-01
			0.3291E+01	0.9000E-01
			0.3657E+01	0.1000E+00
			0.3657E+01	0.5000E+00
			0.3657E+01	0.2000E+01
9	10	0.1796E+02		
			0.0000E+00	0.0000E+00
			0.4924E+00	0.1000E-01
			0.9848E+00	0.2000E-01
			0.1970E+01	0.4000E-01
			0.2954E+01	0.6000E-01
			0.3939E+01	0.8000E-01
			0.4432E+01	0.9000E-01
			0.4924E+01	0.1000E+00
			0.4924E+01	0.5000E+00
			0.4924E+01	0.2000E+01
10	10	0.1800E+02		
			0.0000E+00	0.0000E+00
			0.6460E+00	0.1000E-01
			0.1292E+01	0.2000E-01
			0.2584E+01	0.4000E-01
			0.3876E+01	0.6000E-01
			0.5168E+01	0.8000E-01
			0.5814E+01	0.9000E-01
			0.6460E+01	0.1000E+00
			0.6460E+01	0.5000E+00
			0.6460E+01	0.2000E+01
11	10	0.2353E+02		
			0.0000E+00	0.0000E+00
			0.8705E+00	0.1000E-01
			0.1741E+01	0.2000E-01
			0.3482E+01	0.4000E-01
			0.5223E+01	0.6000E-01
			0.6964E+01	0.8000E-01
			0.7835E+01	0.9000E-01
			0.8705E+01	0.1000E+00
			0.8705E+01	0.5000E+00
			0.8705E+01	0.2000E+01
12	10	0.2896E+02		
			0.0000E+00	0.0000E+00
			0.1218E+01	0.1000E-01

			0.2435E+01	0.2000E-01
			0.4871E+01	0.4000E-01
			0.7306E+01	0.6000E-01
			0.9742E+01	0.8000E-01
			0.1096E+02	0.9000E-01
			0.1218E+02	0.1000E+00
			0.1218E+02	0.5000E+00
			0.1218E+02	0.2000E+01
13	10	0.2900E+02		
			0.0000E+00	0.0000E+00
			0.1628E+01	0.1000E-01
			0.3256E+01	0.2000E-01
			0.6511E+01	0.4000E-01
			0.9767E+01	0.6000E-01
			0.1302E+02	0.8000E-01
			0.1465E+02	0.9000E-01
			0.1628E+02	0.1000E+00
			0.1628E+02	0.5000E+00
			0.1628E+02	0.2000E+01
14	10	0.3538E+02		
			0.0000E+00	0.0000E+00
			0.2195E+01	0.1000E-01
			0.4389E+01	0.2000E-01
			0.8778E+01	0.4000E-01
			0.1317E+02	0.6000E-01
			0.1756E+02	0.8000E-01
			0.1975E+02	0.9000E-01
			0.2195E+02	0.1000E+00
			0.2195E+02	0.5000E+00
			0.2195E+02	0.2000E+01
15	10	0.4166E+02		
			0.0000E+00	0.0000E+00
			0.2487E+01	0.1000E-01
			0.4974E+01	0.2000E-01
			0.9949E+01	0.4000E-01
			0.1492E+02	0.6000E-01
			0.1990E+02	0.8000E-01
			0.2238E+02	0.9000E-01
			0.2487E+02	0.1000E+00
			0.2487E+02	0.5000E+00
			0.2487E+02	0.2000E+01
16	10	0.4170E+02		
			0.0000E+00	0.0000E+00
			0.2487E+01	0.1000E-01
			0.4974E+01	0.2000E-01
			0.9949E+01	0.4000E-01
			0.1492E+02	0.6000E-01
			0.1990E+02	0.8000E-01
			0.2238E+02	0.9000E-01
			0.2487E+02	0.1000E+00

			0.2487E+02	0.5000E+00
			0.2487E+02	0.2000E+01
17	10	0.5088E+02		
			0.0000E+00	0.0000E+00
			0.2487E+01	0.1000E-01
			0.4974E+01	0.2000E-01
			0.9949E+01	0.4000E-01
			0.1492E+02	0.6000E-01
			0.1990E+02	0.8000E-01
			0.2238E+02	0.9000E-01
			0.2487E+02	0.1000E+00
			0.2487E+02	0.5000E+00
			0.2487E+02	0.2000E+01
18	10	0.5996E+02		
			0.0000E+00	0.0000E+00
			0.2487E+01	0.1000E-01
			0.4974E+01	0.2000E-01
			0.9949E+01	0.4000E-01
			0.1492E+02	0.6000E-01
			0.1990E+02	0.8000E-01
			0.2238E+02	0.9000E-01
			0.2487E+02	0.1000E+00
			0.2487E+02	0.5000E+00
			0.2487E+02	0.2000E+01

TIP LOAD KIP	TIP MOVEMENT IN.
0.0000E+00	0.0000E+00
0.1973E+02	0.7576E-02
0.3946E+02	0.1515E-01
0.7891E+02	0.3030E-01
0.1578E+03	0.1970E+00
0.2367E+03	0.6364E+00
0.2841E+03	0.1106E+01
0.3157E+03	0.1515E+01
0.3157E+03	0.2273E+01
0.3157E+03	0.3030E+01

LOAD VERSUS SETTLEMENT CURVE

****

TOP LOAD KIP	TOP MOVEMENT IN.	TIP LOAD KIP	TIP MOVEMENT IN.

0.5297E+00	0.1576E-03	0.2604E+00	0.1000E-03
0.5297E+01	0.1576E-02	0.2604E+01	0.1000E-02
0.2649E+02	0.7879E-02	0.1302E+02	0.5000E-02
0.5297E+02	0.1576E-01	0.2604E+02	0.1000E-01
0.2179E+03	0.7320E-01	0.8824E+02	0.5000E-01
0.3487E+03	0.1366E+00	0.1119E+03	0.1000E+00
0.4488E+03	0.5494E+00	0.2123E+03	0.5000E+00
0.5099E+03	0.1057E+01	0.2734E+03	0.1000E+01
0.5522E+03	0.2063E+01	0.3157E+03	0.2000E+01

S&ME, Inc.
Bent 1

Mar 17 2022
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000

EL 983

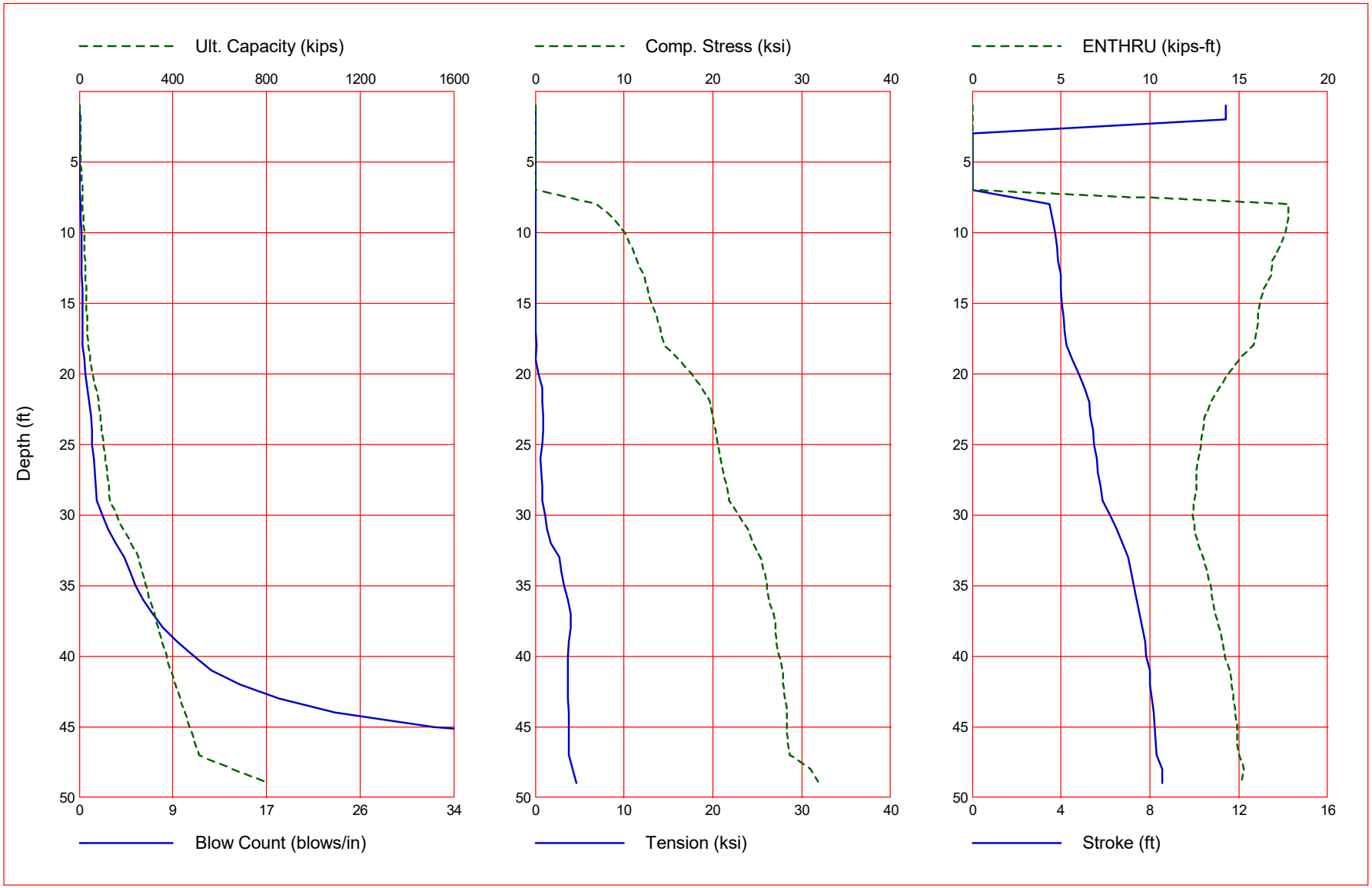
Depth ft	Ultimate Capacity kips	Friction kips	End Bearing kips	Blow Count blows/in	Comp. Stress ksi	Tension Stress ksi	Stroke ft	ENTHRU kips-ft
1.0	2.2	0.0	2.2	0.0	0.000	0.000	11.42	0.0
2.0	4.9	0.5	4.4	0.0	0.000	0.000	11.42	0.0
3.0	5.9	1.5	4.4	-0.1	0.000	0.000	0.00	0.0
4.0	7.0	2.6	4.4	-0.1	0.000	0.000	0.00	0.0
5.0	8.0	3.6	4.4	-0.1	0.000	0.000	0.00	0.0
6.0	10.0	4.6	5.4	-0.1	0.000	0.000	0.00	0.0
7.0	12.5	5.7	6.8	-0.1	0.000	0.000	0.00	0.0
8.0	15.2	6.8	8.4	0.1	6.901	0.000	3.47	17.8
9.0	18.1	8.0	10.1	0.2	8.770	0.000	3.61	17.8
10.0	20.5	9.4	11.1	0.2	10.051	0.000	3.74	17.6
11.0	22.8	10.9	11.9	0.2	10.805	0.000	3.81	17.3
12.0	25.0	12.5	12.5	0.2	11.441	0.000	3.87	16.9
13.0	27.1	14.2	12.9	0.2	12.264	0.000	3.97	16.8
14.0	29.2	16.1	13.1	0.3	12.596	0.000	3.99	16.4
15.0	31.1	18.0	13.1	0.3	13.046	0.000	4.03	16.2
16.0	33.2	20.1	13.1	0.3	13.732	0.000	4.13	16.1
17.0	35.4	22.3	13.1	0.3	14.154	-0.091	4.18	16.0
18.0	37.7	24.6	13.1	0.3	14.549	-0.166	4.24	15.8
19.0	47.3	27.0	20.3	0.4	16.194	0.000	4.52	15.0
20.0	58.4	29.6	28.8	0.6	17.609	-0.422	4.78	14.4
21.0	70.9	33.1	37.8	0.7	18.768	-0.769	5.04	13.9
22.0	84.0	37.5	46.5	0.9	19.643	-0.764	5.27	13.4
23.0	90.5	42.1	48.4	1.0	19.875	-0.871	5.32	13.1
24.0	97.1	46.8	50.3	1.1	20.315	-0.933	5.42	13.0
25.0	104.0	51.8	52.2	1.2	20.575	-0.793	5.50	12.9
26.0	111.0	56.9	54.1	1.3	20.836	-0.579	5.59	12.7
27.0	118.4	62.3	56.1	1.4	21.224	-0.658	5.67	12.6
28.0	125.8	67.8	58.0	1.5	21.574	-0.795	5.77	12.6
29.0	133.4	73.5	59.9	1.6	21.768	-0.824	5.87	12.5
30.0	159.0	79.4	79.6	2.1	22.882	-1.111	6.19	12.4
31.0	187.5	85.5	102.0	2.6	23.894	-1.361	6.49	12.5
32.0	219.9	93.9	126.0	3.3	24.525	-1.811	6.75	12.7
33.0	252.9	104.9	148.0	4.1	25.314	-2.687	7.02	13.0
34.0	269.2	116.2	153.0	4.6	25.743	-2.980	7.14	13.2
35.0	285.9	127.9	158.0	5.1	26.038	-3.265	7.28	13.4
36.0	302.9	139.9	163.0	5.8	26.309	-3.638	7.41	13.5
37.0	320.3	152.3	168.0	6.7	26.778	-4.026	7.54	13.7
38.0	337.1	165.1	172.0	7.6	27.035	-4.042	7.66	13.9
39.0	355.3	178.3	177.0	8.9	27.197	-3.814	7.77	14.1
40.0	373.8	191.8	182.0	10.5	27.498	-3.645	7.85	14.2
41.0	392.8	205.8	187.0	12.0	27.910	-3.667	7.99	14.5
42.0	412.1	220.1	192.0	14.6	27.874	-3.717	8.02	14.6
43.0	431.7	234.7	197.0	18.2	28.083	-3.726	8.10	14.7
44.0	451.7	249.7	202.0	23.2	28.339	-3.761	8.17	14.8

Rndr = 313 kips
Estimated tip = 983-37=946 ft

S&ME, Inc.
Bent 1

Mar 17 2022
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000



S&ME, Inc.
Bent 2

Dec 15 2021
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000

EL 983

Depth ft	Ultimate Capacity kips	Friction kips	End Bearing kips	Blow Count blows/in	Comp. Stress ksi	Tension Stress ksi	Stroke ft	ENTHRU kips-ft
1.0	3.1	0.0	3.1	0.0	0.000	0.000	11.42	0.0
2.0	5.1	0.6	4.5	0.0	0.000	0.000	11.42	0.0
3.0	8.0	1.8	6.2	0.1	6.343	-0.312	3.97	20.1
4.0	9.2	3.0	6.2	0.1	7.831	-0.366	4.06	20.5
5.0	10.8	4.3	6.5	0.1	9.272	-0.298	4.18	21.1
6.0	13.4	5.5	7.9	0.1	10.902	-1.040	4.34	21.9
7.0	16.4	6.7	9.7	0.1	12.484	-1.884	4.55	22.4
8.0	19.7	8.0	11.7	0.2	13.544	-2.276	4.71	22.8
9.0	23.4	9.5	13.9	0.2	14.508	-2.654	4.86	22.7
10.0	26.7	11.2	15.5	0.2	15.198	-2.828	4.97	22.4
11.0	29.6	13.0	16.6	0.2	15.795	-2.996	5.07	22.1
12.0	32.4	14.9	17.5	0.2	16.261	-3.112	5.16	21.8
13.0	35.0	17.0	18.0	0.3	16.606	-3.166	5.23	21.5
14.0	37.5	19.2	18.3	0.3	16.882	-3.178	5.29	21.2
15.0	40.0	21.6	18.4	0.3	17.156	-3.186	5.35	21.1
16.0	42.5	24.1	18.4	0.3	17.406	-3.131	5.41	20.9
17.0	45.1	26.7	18.4	0.3	17.734	-3.052	5.47	20.7
18.0	47.9	29.5	18.4	0.3	18.012	-3.029	5.52	20.5
19.0	53.2	32.4	20.8	0.4	18.526	-2.738	5.65	20.1
20.0	66.6	35.5	31.1	0.5	19.777	-1.920	5.98	19.3
21.0	80.6	38.7	41.9	0.7	20.720	-0.959	6.25	18.4
22.0	96.4	43.0	53.4	0.8	21.663	-0.775	6.57	17.9
23.0	114.1	48.6	65.5	1.1	22.665	-0.747	6.91	17.5
24.0	124.8	54.3	70.5	1.2	23.195	-0.545	7.06	17.3
25.0	133.5	60.3	73.2	1.3	23.483	-0.480	7.16	17.1
26.0	142.5	66.6	75.9	1.4	23.717	-0.510	7.28	17.0
27.0	151.6	73.0	78.6	1.5	24.095	-0.537	7.38	16.9
28.0	160.9	79.6	81.3	1.6	24.613	-0.504	7.57	17.0
29.0	170.5	86.5	84.0	1.7	24.778	-0.479	7.67	16.9
30.0	186.2	93.6	92.6	1.9	25.288	-0.764	7.85	16.8
31.0	221.0	101.0	120.0	2.5	26.267	-1.022	8.21	16.6
32.0	256.5	108.5	148.0	3.1	26.904	-1.106	8.52	16.6
33.0	296.1	119.1	177.0	3.8	27.531	-1.376	8.81	16.9
34.0	339.7	132.7	207.0	4.7	28.468	-2.023	9.16	17.3
35.0	366.8	146.8	220.0	5.4	28.850	-2.410	9.35	17.6
36.0	388.4	161.4	227.0	6.0	29.005	-2.664	9.49	17.8
37.0	410.4	176.4	234.0	6.7	29.221	-2.926	9.55	17.9
38.0	432.9	191.9	241.0	7.4	29.537	-3.084	9.69	18.2
39.0	455.8	207.8	248.0	8.3	29.647	-3.159	9.80	18.3
40.0	479.1	224.1	255.0	9.3	29.893	-3.241	9.90	18.5
41.0	502.9	240.9	262.0	10.4	30.192	-3.293	10.01	18.7
42.0	527.2	258.2	269.0	11.9	30.280	-3.381	10.09	18.9

Rndr = 490 kips
Est. tip = 983-41 = 942 ft

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000 (Continued)

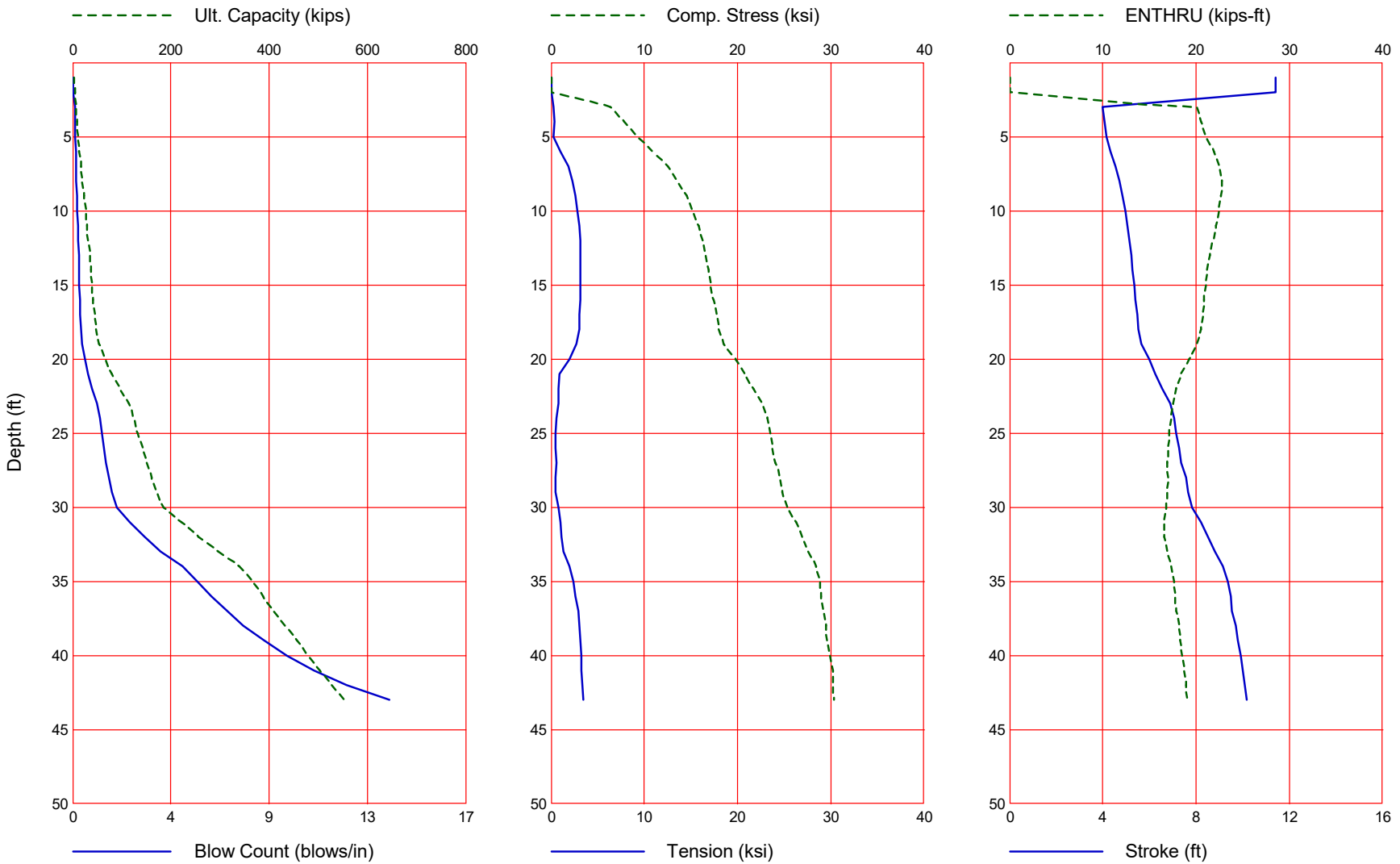
Depth ft	Ultimate Capacity kips	Friction kips	End Bearing kips	Blow Count blows/in	Comp. Stress ksi	Tension Stress ksi	Stroke ft	ENTHRU kips-ft
43.0	550.9	275.9	275.0	13.7	30.330	-3.449	10.17	19.0

Total Continuous Driving Time 32.00 minutes; Total Number of Blows 1244 (starting at penetration 1.0 ft)

S&ME, Inc.
Bent 2

Dec 15 2021
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000



S&ME, Inc.
Bent 3

Dec 15 2021
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000

EL 970

Depth ft	Ultimate Capacity kips	Friction kips	End Bearing kips	Blow Count blows/in	Comp. Stress ksi	Tension Stress ksi	Stroke ft	ENTHRU kips-ft
1.0	1.4	0.1	1.3	0.0	0.000	0.000	11.42	0.0
2.0	2.7	0.3	2.4	0.0	0.000	0.000	11.42	0.0
3.0	4.4	0.6	3.8	0.0	0.000	0.000	11.42	0.0
4.0	6.2	1.1	5.1	-0.1	0.000	0.000	0.00	0.0
5.0	8.2	1.8	6.4	-0.1	0.000	0.000	0.00	0.0
6.0	10.8	2.5	8.3	0.1	6.206	-0.197	3.71	18.4
7.0	15.8	3.5	12.3	0.1	9.566	-0.658	3.98	19.7
8.0	21.2	4.5	16.7	0.2	11.516	-1.532	4.20	19.8
9.0	27.4	6.1	21.3	0.2	13.403	-2.283	4.48	19.4
10.0	34.5	8.2	26.3	0.3	14.877	-2.559	4.74	18.6
11.0	40.2	10.6	29.6	0.3	15.669	-2.531	4.90	18.0
12.0	45.5	13.2	32.3	0.4	16.255	-2.305	5.04	17.6
13.0	51.0	16.0	35.0	0.4	16.788	-2.078	5.17	17.2
14.0	56.7	19.0	37.7	0.5	17.291	-1.819	5.29	17.0
15.0	68.3	22.2	46.1	0.6	18.246	-1.085	5.54	16.4
16.0	98.8	25.7	73.1	1.0	20.181	-0.657	6.10	15.2
17.0	131.4	29.4	102.0	1.5	21.706	-0.488	6.58	14.5
18.0	167.6	35.6	132.0	2.1	23.165	-0.504	7.07	14.4
19.0	208.6	44.6	164.0	2.8	24.228	-1.090	7.44	14.4
20.0	234.1	54.1	180.0	3.2	24.995	-1.375	7.63	14.5
21.0	255.1	64.1	191.0	3.6	25.985	-1.646	7.77	14.6
22.0	275.7	74.7	201.0	4.0	26.704	-1.929	7.94	14.8
23.0	297.9	85.9	212.0	4.4	27.490	-2.062	8.12	15.0
24.0	319.7	97.7	222.0	5.0	28.029	-2.373	8.28	15.2
25.0	343.0	110.0	233.0	5.7	28.608	-2.693	8.45	15.4
26.0	365.9	122.9	243.0	6.5	28.914	-3.093	8.54	15.5
27.0	389.3	136.3	253.0	7.2	29.455	-3.460	8.72	15.9
28.0	448.3	150.3	298.0	9.5	31.813	-4.254	9.15	16.8
29.0	615.9	164.9	451.0	27.9	36.803	-5.505	9.83	18.1
30.0	792.0	180.0	612.0	273.2	39.564	-7.146	10.33	19.2

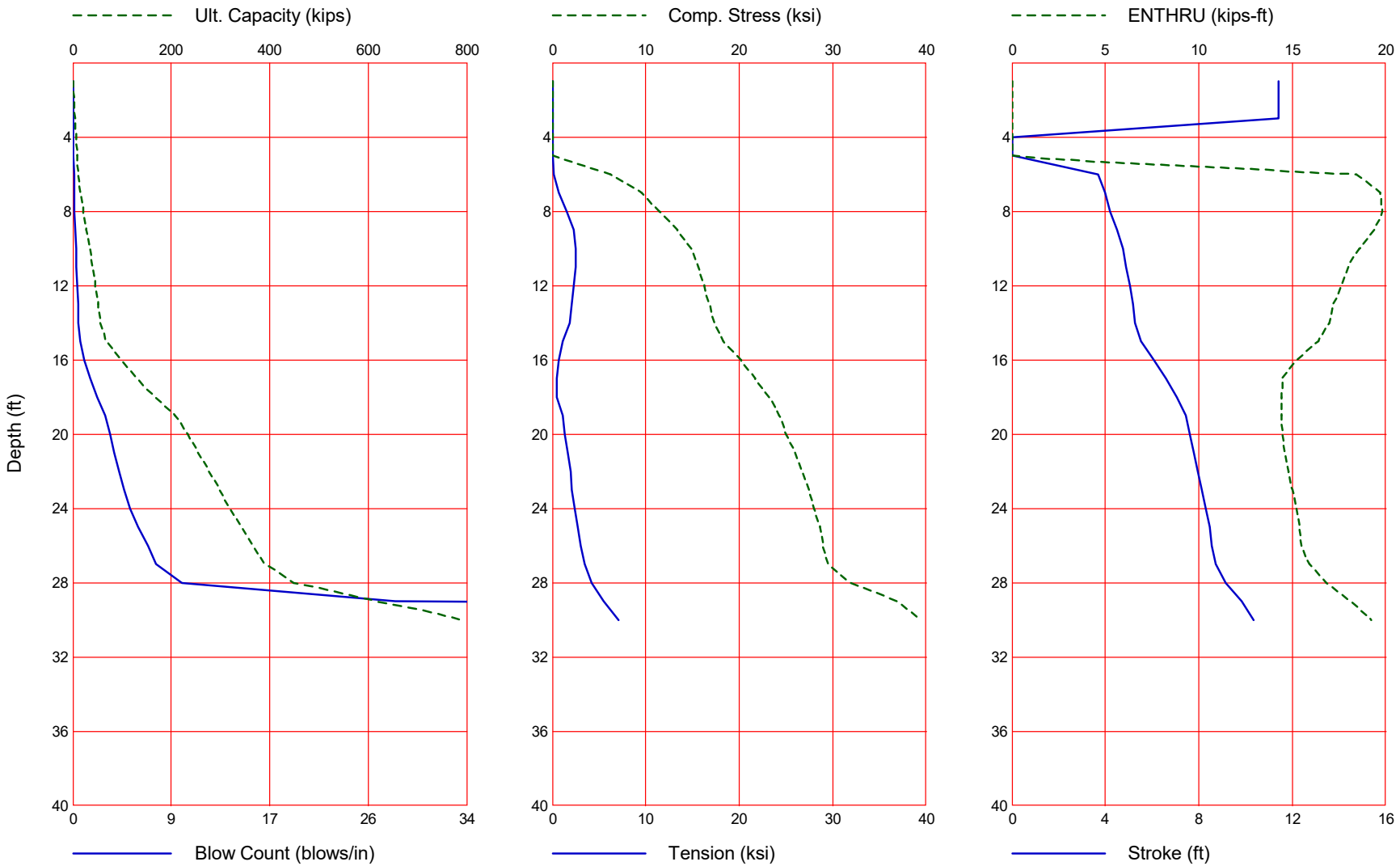
Total Continuous Driving Time 70.00 minutes; Total Number of Blows 2690 (starting at penetration 1.0 ft)

Rndr = 440 kips
Est. tip = 970-28 = 942 ft

S&ME, Inc.
Bent 3

Dec 15 2021
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000



S&ME, Inc.
Bent 4

Dec 15 2021
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000

EL 975

Depth ft	Ultimate Capacity kips	Friction kips	End Bearing kips	Blow Count blows/in	Comp. Stress ksi	Tension Stress ksi	Stroke ft	ENTHRU kips-ft
1.0	1.4	0.1	1.3	0.0	0.000	0.000	11.42	0.0
2.0	2.7	0.3	2.4	0.0	0.000	0.000	11.42	0.0
3.0	4.4	0.6	3.8	0.0	0.000	0.000	11.42	0.0
4.0	6.2	1.1	5.1	-0.1	0.000	0.000	0.00	0.0
5.0	8.2	1.8	6.4	-0.1	0.000	0.000	0.00	0.0
6.0	10.1	2.5	7.6	0.1	5.449	0.000	3.62	18.1
7.0	12.4	3.5	8.9	0.1	6.934	-0.261	3.73	18.6
8.0	14.7	4.5	10.2	0.1	8.553	-0.128	3.87	19.5
9.0	17.1	5.7	11.4	0.1	9.747	-0.699	3.98	19.9
10.0	20.8	7.1	13.7	0.2	11.039	-1.327	4.12	19.9
11.0	27.5	8.5	19.0	0.2	13.132	-2.129	4.43	19.5
12.0	34.8	10.2	24.6	0.3	14.745	-2.473	4.70	18.6
13.0	43.0	12.5	30.5	0.3	15.911	-2.357	4.95	17.9
14.0	57.6	15.5	42.1	0.5	17.412	-1.486	5.32	16.8
15.0	87.5	18.8	68.7	0.9	19.518	-0.485	5.90	15.4
16.0	118.3	22.2	96.1	1.3	21.282	-0.451	6.44	14.7
17.0	153.1	28.1	125.0	1.9	22.768	-0.390	6.94	14.5
18.0	192.6	36.6	156.0	2.5	23.860	-0.791	7.32	14.3
19.0	217.6	45.6	172.0	2.9	24.532	-1.064	7.53	14.4
20.0	237.2	55.2	182.0	3.3	25.476	-1.298	7.66	14.4
21.0	258.3	65.3	193.0	3.7	26.231	-1.579	7.80	14.5
22.0	279.0	76.0	203.0	4.0	26.939	-1.870	7.96	14.7
23.0	300.3	87.3	213.0	4.5	27.551	-2.000	8.12	14.9
24.0	323.2	99.2	224.0	5.0	28.271	-2.387	8.31	15.1
25.0	345.6	111.6	234.0	5.7	28.828	-2.636	8.47	15.3
26.0	369.5	124.5	245.0	6.5	29.341	-3.045	8.65	15.5
27.0	393.1	138.1	255.0	7.3	29.616	-3.449	8.75	15.7
28.0	418.2	152.2	266.0	8.1	29.930	-3.872	8.93	16.1
29.0	442.8	166.8	276.0	9.0	30.199	-4.240	9.07	16.4
30.0	468.1	182.1	286.0	10.3	30.317	-4.514	9.20	16.6
31.0	531.8	197.8	334.0	15.3	31.787	-4.974	9.41	17.1
32.0	712.2	214.2	498.0	69.1	35.597	-6.823	10.02	18.3
33.0	891.1	231.1	660.0	832.9	37.915	-7.212	10.50	19.2

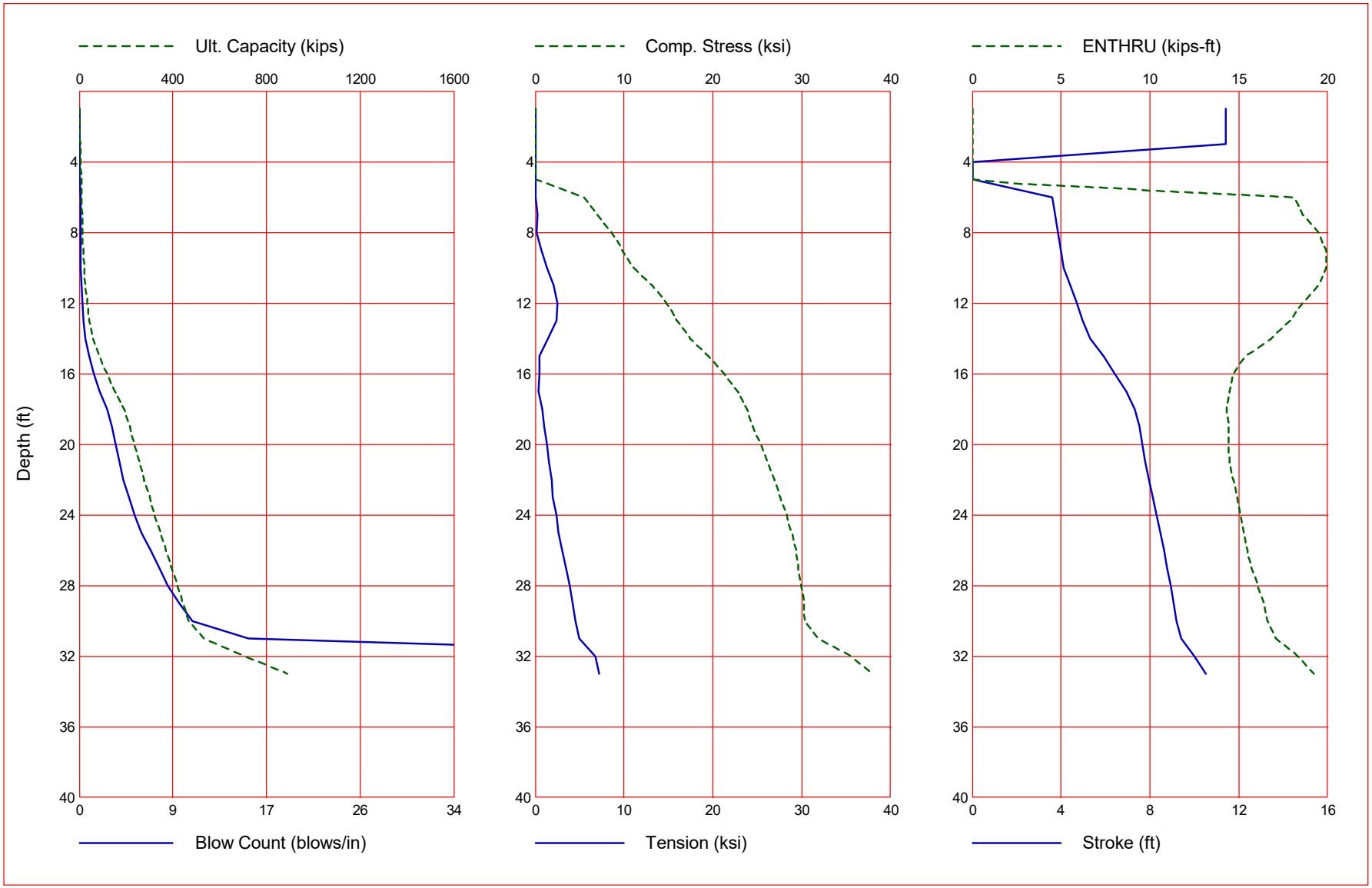
Refusal occurred; no driving time output possible

Rndr = 440 kips
Est. tip = 975-29 = 946 ft

S&ME, Inc.
Bent 4

Dec 15 2021
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000



S&ME, Inc.
Bent 5

Mar 17 2022
GRLWEAP Version 2010

Gain/Loss 1 at Shaft and Toe 1.000 / 1.000

EL 984

Depth ft	Ultimate Capacity kips	Friction kips	End Bearing kips	Blow Count blows/in	Comp. Stress ksi	Tension Stress ksi	Stroke ft	ENTHRU kips-ft
1.0	2.2	0.0	2.2	0.0	0.000	0.000	11.42	0.0
2.0	4.9	0.5	4.4	-0.1	0.000	0.000	0.00	0.0
3.0	5.9	1.5	4.4	-0.1	0.000	0.000	0.00	0.0
4.0	7.0	2.6	4.4	-0.1	0.000	0.000	0.00	0.0
5.0	8.0	3.6	4.4	-0.1	0.000	0.000	0.00	0.0
6.0	9.0	4.6	4.4	-0.1	0.000	0.000	0.00	0.0
7.0	10.1	5.7	4.4	-0.1	0.000	0.000	0.00	0.0
8.0	11.1	6.7	4.4	-0.1	0.000	0.000	0.00	0.0
9.0	13.9	7.7	6.2	-0.1	0.000	0.000	0.00	0.0
10.0	17.2	8.8	8.4	0.2	7.544	0.000	3.52	17.9
11.0	20.9	10.2	10.7	0.2	9.794	0.000	3.70	17.3
12.0	24.7	11.9	12.8	0.2	11.279	0.000	3.87	16.9
13.0	26.7	13.7	13.0	0.3	11.896	0.000	3.94	16.6
14.0	28.7	15.6	13.1	0.3	12.295	0.000	3.96	16.3
15.0	30.8	17.7	13.1	0.3	12.789	0.000	4.01	16.1
16.0	32.9	19.8	13.1	0.3	13.291	0.000	4.06	16.0
17.0	41.7	22.1	19.6	0.4	15.348	0.000	4.38	15.3
18.0	51.9	24.5	27.4	0.5	17.050	0.000	4.65	14.6
19.0	63.4	27.7	35.7	0.7	18.271	-0.579	4.92	14.1
20.0	75.7	31.9	43.8	0.8	19.171	-0.415	5.15	13.6
21.0	81.9	36.2	45.7	0.9	19.653	-0.536	5.25	13.4
22.0	88.3	40.7	47.6	1.0	20.078	-0.585	5.35	13.2
23.0	94.9	45.4	49.5	1.1	20.366	-0.545	5.45	13.1
24.0	101.8	50.3	51.5	1.2	20.602	-0.556	5.50	12.8
25.0	108.7	55.3	53.4	1.3	21.031	-0.656	5.60	12.7
26.0	115.9	60.6	55.3	1.4	21.345	-0.621	5.70	12.6
27.0	123.2	66.0	57.2	1.5	21.570	-0.509	5.79	12.5
28.0	147.9	71.7	76.2	2.0	22.742	-0.550	6.12	12.3
29.0	175.5	77.5	98.0	2.5	23.844	-0.899	6.46	12.3
30.0	206.6	85.6	121.0	3.1	24.467	-0.947	6.70	12.4
31.0	238.1	96.1	142.0	3.7	25.101	-1.416	6.92	12.5
32.0	254.0	107.0	147.0	4.1	25.505	-1.709	7.03	12.6
33.0	270.2	118.2	152.0	4.6	25.795	-2.035	7.15	12.7
34.0	286.8	129.8	157.0	5.1	26.039	-2.368	7.28	12.9
35.0	303.8	141.8	162.0	5.7	26.402	-2.691	7.39	13.0
36.0	321.2	154.2	167.0	6.4	26.762	-2.909	7.52	13.1
37.0	338.9	166.9	172.0	7.3	26.974	-2.767	7.63	13.3
38.0	357.0	180.0	177.0	8.6	27.214	-2.665	7.75	13.4
39.0	375.5	193.5	182.0	10.3	27.592	-2.600	7.86	13.5
40.0	393.3	207.3	186.0	12.0	27.789	-2.570	7.94	13.6
41.0	537.5	221.6	315.9	105.1	33.032	-3.291	8.69	15.1

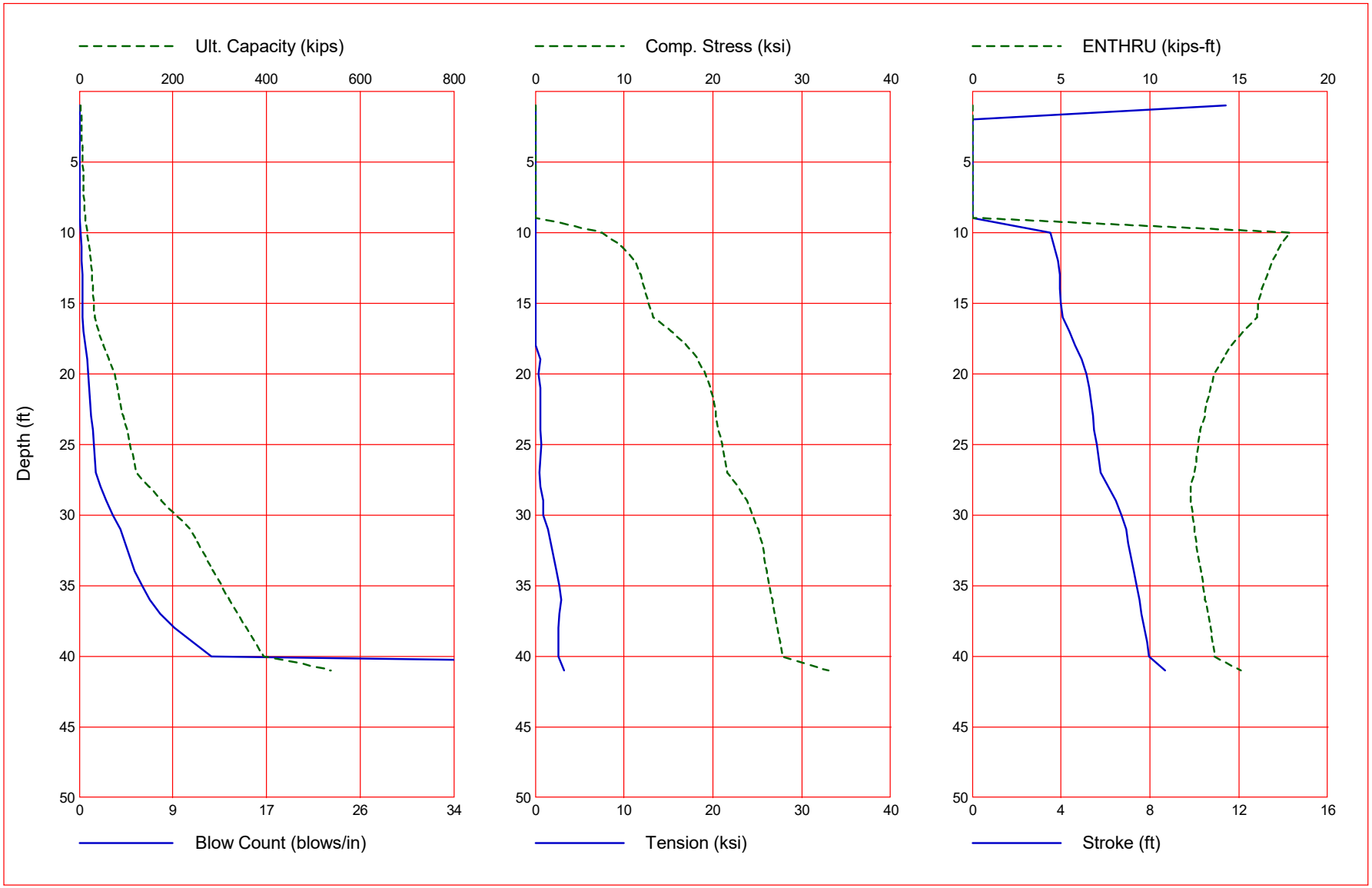
Total Continuous Driving Time 40.00 minutes; Total Number of Blows 1688 (starting at penetration 1.0 ft)

Rndr = 320 kips
Estimated tip = 984-36=948 ft

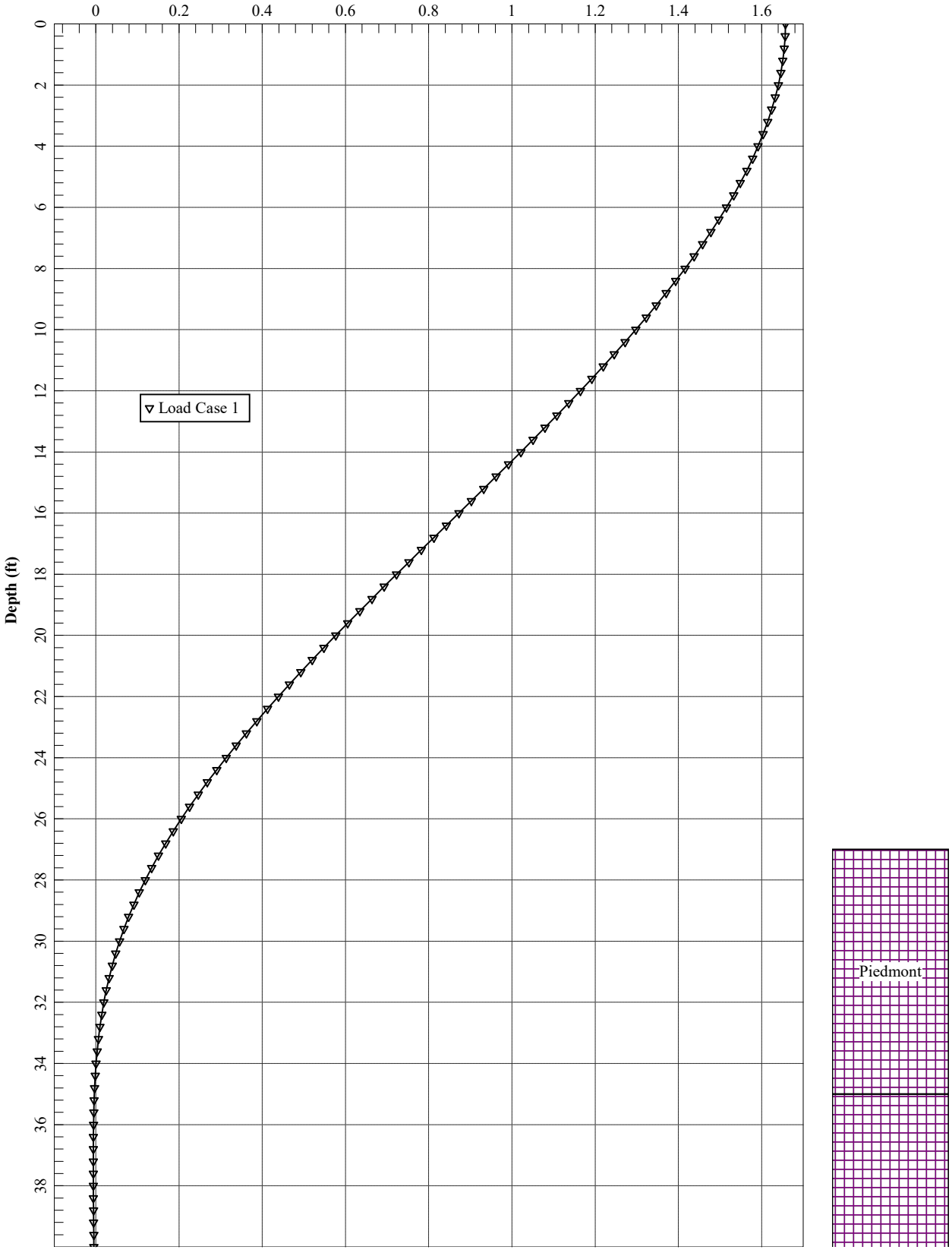
S&ME, Inc.
Bent 5

Mar 17 2022
GRLWEAP Version 2010

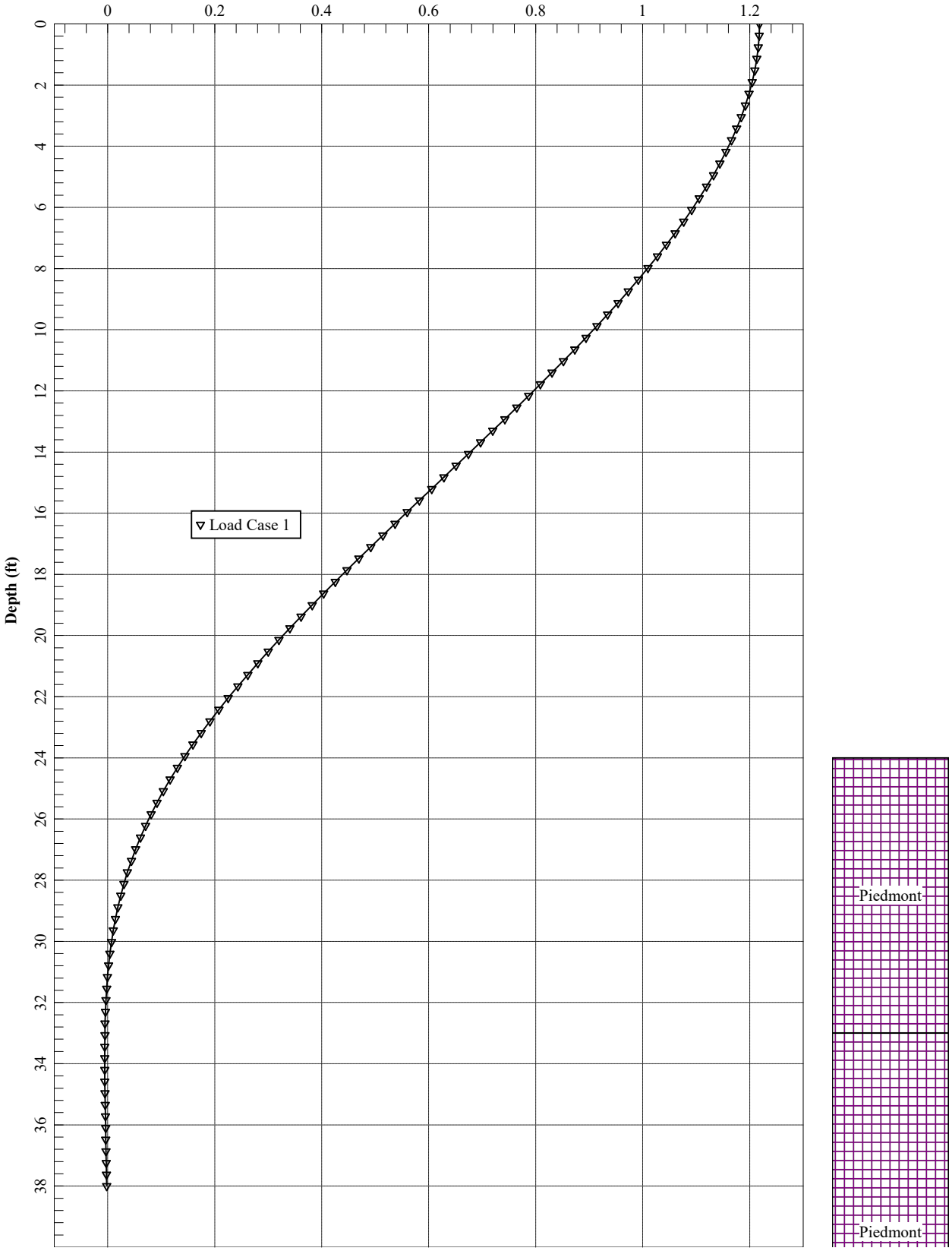
Gain/Loss 1 at Shaft and Toe 1.000 / 1.000



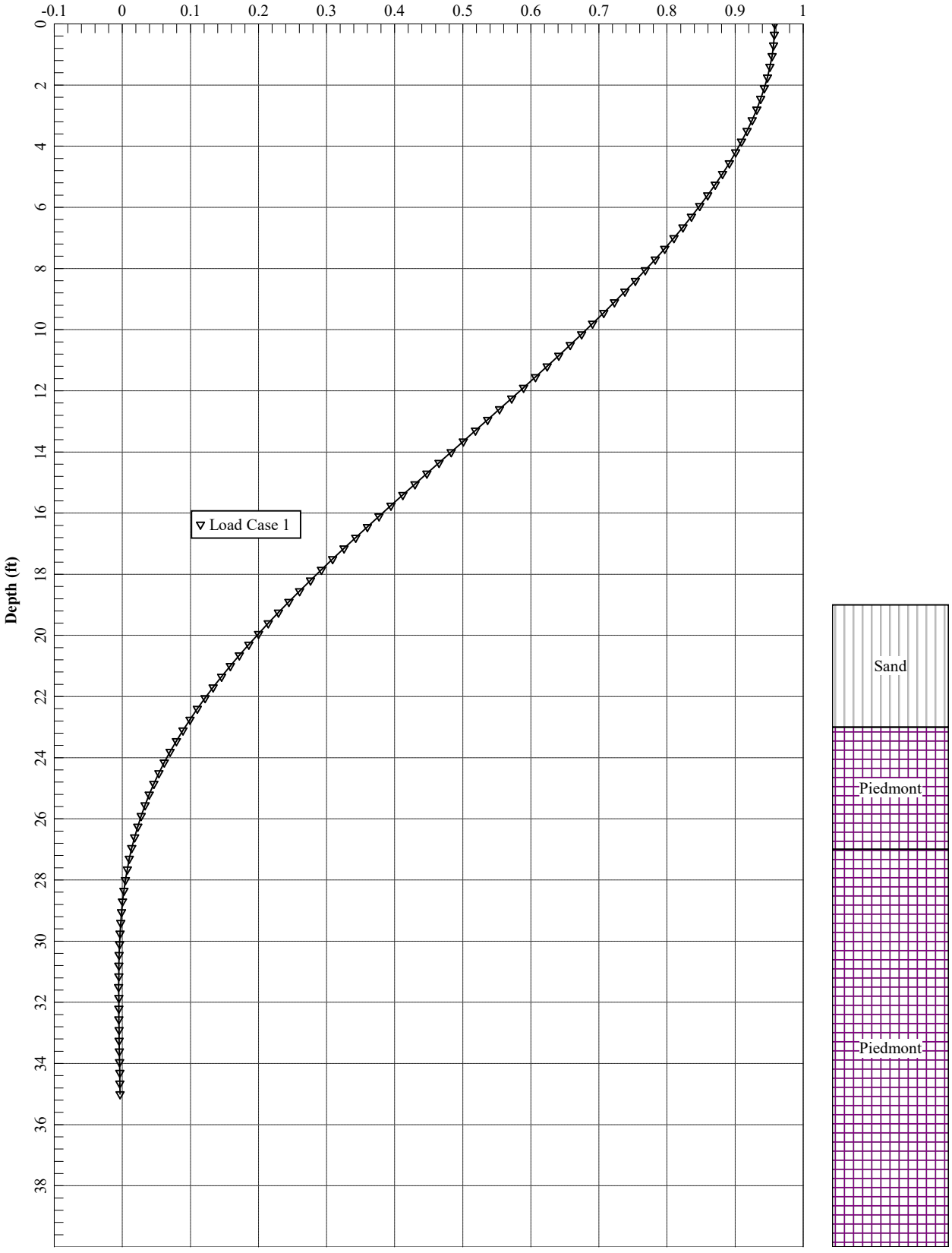
Bent 2
Lateral Pile Deflection (inches)



Bent 3
Lateral Pile Deflection (inches)



Bent 4
Lateral Pile Deflection (inches)



BUILT FOR VERSATILITY

Important Information About Your Geotechnical Engineering Report

Variations in subsurface conditions can be a principal cause of construction delays, cost overruns and claims. The following information is provided to assist you in understanding and managing the risk of these variations.

Geotechnical Findings Are Professional Opinions

Geotechnical engineers cannot specify material properties as other design engineers do. Geotechnical material properties have a far broader range on a given site than any manufactured construction material, and some geotechnical material properties may change over time because of exposure to air and water, or human activity.

Site exploration identifies subsurface conditions at the time of exploration and only at the points where subsurface tests are performed or samples obtained. Geotechnical engineers review field and laboratory data and then apply their judgment to render professional opinions about site subsurface conditions. Their recommendations rely upon these professional opinions. Variations in the vertical and lateral extent of subsurface materials may be encountered during construction that significantly impact construction schedules, methods and material volumes. While higher levels of subsurface exploration can mitigate the risk of encountering unanticipated subsurface conditions, no level of subsurface exploration can eliminate this risk.

Scope of Geotechnical Services

Professional geotechnical engineering judgment is required to develop a geotechnical exploration scope to obtain information necessary to support design and construction. A number of unique project factors are considered in developing the scope of geotechnical services, such as the exploration objective; the location, type, size and weight of the proposed structure; proposed site grades and improvements; the construction schedule and sequence; and the site geology.

Geotechnical engineers apply their experience with construction methods, subsurface conditions and exploration methods to develop the exploration scope. The scope of each exploration is unique based on available project and site information. Incomplete project information or constraints on the scope of exploration increases the risk of variations in subsurface conditions not being identified and addressed in the geotechnical report.

Services Are Performed for Specific Projects

Because the scope of each geotechnical exploration is unique, each geotechnical report is unique. Subsurface conditions are explored and recommendations are made for a specific project. Subsurface information and recommendations may not be adequate for other uses. Changes in a proposed structure location, foundation loads, grades, schedule, etc. may require additional geotechnical exploration, analyses, and consultation. The geotechnical engineer should be consulted to determine if additional services are required in response to changes in proposed construction, location, loads, grades, schedule, etc.

Geo-Environmental Issues

The equipment, techniques, and personnel used to perform a geo-environmental study differ significantly from those used for a geotechnical exploration. Indications of environmental contamination may be encountered incidental to performance of a geotechnical exploration but go unrecognized. Determination of the presence, type or extent of environmental contamination is beyond the scope of a geotechnical exploration.

Geotechnical Recommendations Are Not Final

Recommendations are developed based on the geotechnical engineer's understanding of the proposed construction and professional opinion of site subsurface conditions. Observations and tests must be performed during construction to confirm subsurface conditions exposed by construction excavations are consistent with those assumed in development of recommendations. It is advisable to retain the geotechnical engineer that performed the exploration and developed the geotechnical recommendations to conduct tests and observations during construction. This may reduce the risk that variations in subsurface conditions will not be addressed as recommended in the geotechnical report.

PLATE 15

Portion obtained with permission from "Important Information About Your Geotechnical Engineering Report", ASFE, 2004
© S&ME, Inc. 2010

CITY OF ALPHARETTA INVITATION TO BID (ITB)

ITB Number: 22-003

ITB Title: Webb Bridge Rd Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway

ITB Addendum Posting Date: October 6, 2022

ADDENDUM #1

TO ALL BIDDERS:

1. The information included in this addendum is made part of the ITB noted above and part of any contract that may be awarded as a result of response to this ITB.
2. The purpose of this addendum is to supply additional information or documents, or revised information or documents.
3. If a conflict between any previously provided information and the information contained in this addendum, the information contained in this addendum will prevail.
4. Bidders must acknowledge receipt of this addendum when submitting bid.
5. Remainder of this page intentionally blank. See addendum information beginning on the next page.

The invitation to bid documents are hereby modified in the following respects:

1. Changes to Information and Contract Draft document, General Terms and Conditions, #2 Time for Completion & Liquidated Damages.

   This section is replaced with the following. The deleted text (seem below with strike through effect) is no longer part of this section or this ITB.

   > The Contractor shall commence performance of the Work with adequate force and equipment within ten (10) calendar days from receipt of Notice to Proceed or otherwise in the Contract or by Special Provision. The Contractor shall be required to continuously pursue the Work without interruption to completion, and to achieve **Final Completion** of the Work in nine hundred (900) calendar days. "Substantial Completion" shall mean that stage in the progression of the Work in which same is sufficiently complete in accordance with the Contract such that the City can enjoy beneficial use and occupancy of the subject property or site and can utilize the improvements or renovations completed by the Work for their intended purpose. "Final Completion" shall mean the Work is complete in full accordance with this Contract and this Contract has been fully performed as determined by a final inspection of the City following the Contractor's request for same.
   >
   > Liquidated damages will apply per GDOT Standard Specifications for Construction of Transportation Systems, 2021, Section 108.08. ~~If the Contractor fails to achieve Substantial Completion and/or Final Completion by the dates set forth in the resulting contract, the Contractor shall be liable to the City for the sum of: $2,019.00 per day for each and every calendar day of unexcused delay in achieving Substantial Completion beyond the date set forth in the Contract; and $2,019.00 per day for each and every calendar day of unexcused delay in achieving Final Completion beyond the date set forth in the Contract, as applicable.~~ Any sums due and payable hereunder by the Contractor shall be payable, not as a penalty, but as liquidated damages representing a reasonable pre-estimate of delay damages likely to be sustained by the City for any such breach, as it is mutually agreed that any such actual and consequential damages incurred by the City for such breach would otherwise be difficult to ascertain.

2. The Excel Spreadsheet for Schedule of Items provided contains different quantities than those shown on the printout.

   a. Item 652-5900 Solid Traffic Stripe, High Build Wet Weather, 5 IN, White shows a quantity of 0.97 LM. The decimal portion of the quantity not shown is carried out 3-4 or more places causing the Subtotals and Grand Total to be incorrect.

      i. Quantity value updated to 0.97.

   b. Item 652-6900 Skip Traffic Stripe, High Build Wet Weather, 5 IN, White shows a quantity of 0.06 LM. The decimal portion of the quantity not shown is carried out 3-4 or more places causing the Subtotals and Grand Total to be incorrect.

      i. Quantity value updated to 0.07.

c. Please revise these two quantities to 2 decimal places in the spreadsheet and reissue the file so that the form will match actual Bid Totals.

    i. Bid schedule of items has been revised per comments above. See revised Addendum #1 Schedule of Items posted to Bonfire site. Bidders must respond using Addendum #1 Schedule of Items. Failure to do so will be cause for bid response to be disqualified.

3. Please provide the Bridge Foundation Investigation (BFI)

    a. See BFI posted to Bonfire site for this ITB.

4. Is Stone Facing required on Gravity Wall#1? If so, how will it be paid?

    a. No Stone Facing is required for Gravity Wall#1..

5. TS-10 on sheet 05-006 shows the concrete for the Big Creek Greenway as having fiber mesh reinforcement. Additionally, Note #4 states that the cost for the fiber mesh is to be included in the price for "Concrete, Sidewalk 6 inch". However, on sheet 06-0002 the Summary of Quantities for the 6" Concrete Sidewalk specifies Wire Mesh. Please clarify which is correct. Also, please provide the required dosage if it is Fiber Mesh or the bar size if it is Wire Mesh.

    a. Concrete for Big Creek Greenway will include Fiber Mesh. Sheet 06-0002, Summary of Quantities, note under table for CONC SIDEWALK, 6IN* will be revised to "… Includes Fiber Mesh…"

6. Can The City please provide a BFI. [duplicate question for this item]

    a. See BFI posted to Bonfire site for this ITB.

END ADDENDUM #1

CITY OF ALPHARETTA INVITATION TO BID (ITB)

ITB Number: 23-003

ITB Title: Webb Bridge Rd Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway

ITB Addendum Posting Date: October 21, 2022

ADDENDUM #2

TO ALL BIDDERS:

1. The information included in this addendum is made part of the ITB noted above and part of any contract that may be awarded as a result of response to this ITB.
2. The purpose of this addendum is to supply additional information or documents, or revised information or documents.
3. If a conflict between any previously provided information and the information contained in this addendum, the information contained in this addendum will prevail.
4. Bidders must acknowledge receipt of this addendum when submitting bid.
5. Remainder of this page intentionally left blank. See addendum information beginning on the next page.

The invitation to bid documents are hereby modified in the following respects:

Addendum 2 documents posted online for Bidder use or review:

A. ITB 23-003 WBR Schedule of Items- Add 2.xlsx (this replaces previously posted Schedule of Items)
B. Final_NWP14_ARDR_Letter_SAS-2007-00909
C. Environmental Resources Impact Table

Bidder Questions with our City's Responses follow with Addendum #2 updates noted.

Q1 There appears to be no typical Environmental Resources Impact Table in the plans. Please confirm allowable access/buffer/exemptions into creek to access Bents 3 & 4 per 404 Permit.

a. Environmental Resources Impact Table is added to a new Sheet 4-0003 and included as a part of the current addendum number 2. In addition, the City has received the Corps permit which is also included as a part of this addendum. As a part of the permit, the contractor will be responsible for marking all waters of the United States (US) that are authorized to be impacted and any non-impacted US waters that are withing 50 feet of construction activities prior to commencing any land disturbing activities. This should be included in grading complete.

Q2 Please provide delivery location for ALT2 and clarify what is expected of the existing concrete deck.

a. Delivery location of the existing pedestrian bridge is Wills Park in Alpharetta, in the vicinity where the maintenance barn is going to be constructed. Concrete deck of the pedestrian bridge does not have to be saved; however, the bridge structure shall be secured and delivered to Wills Park located at 11925 Wills Road, Alpharetta, GA 30009. The exact delivery location in the park will be provided during pre-construction meeting.

Q3 Is there a utility adjustment schedule broken out by either phase or stage?

a. Utility adjustment schedules were not provided by the utility owners.

Q4 Would the City accept full height steel casing in lieu of concrete pile encasements?

a. No.

Q5 The bridge drawings have superstructure concrete and rebar set up as 1 Lump Sum for each, but the Bid Item list has them set up as 478 LS and 88,835 LS. Which is correct?

a. The bridge drawings are correct. Quantities in Schedule of Items released in Addendum 2 are revised to 1 LS. The bridge drawings show a lump sum but give the engineer's estimate of the actual quantity in parentheses.

Q6 There are 2 Bid Item for Conduit, Nonmetal, Type 2, 2 IN and 3 IN for 80 LF. These are not shown in the drawings anywhere, what specific scope of work are these Bid Items for?

a. See sheet 13-0005 at Strath Drive. This is for future irrigation. Type 5 pull box is added under Irrigation Items in Schedule of Items released in Addendum 2.

Q7 The bid item for "Superstr Concrete, CL D" has a quantity of 478 LS. Can this please be revised to 1 LS?

a. The quantity in Schedule of Items released in Addendum 2 is revised to 1 LS.

Q8 The bid item for "Superstr Reinf Steel" has a quantity of 88,835 LS. Can this please be revised to 1 LS?

a. The quantity in Schedule of Items released in Addendum 2 is revised to 1 LS.

Q9 Will an engineer's trailer be required for this project? If one is required, can a bid item please be added?

a. No.

Q10 Can the GAB bid items please be revised to be paid per TN rather than SY?

a. The "Unit" and "Quantity" of GAB in Schedule of Items released in Addendum 2 are revised to use Pay Item 310-1101 based on a 116.67 lbs/SY-IN spread rate.

Q11 Could Rip Rap embankment stabilization be used in lieu of Wood? This would allow for less machinery and disturbance along the water line.

b. No. The Corps permit attached to this addendum has been approved with the use of toe wood.

Q12 Is a soils survey or geotechnical investigation report available?

b. A soil survey was not performed for this project, but the BFI was included in addendum number 1.

Q13 Where are irrigation, what is the responsibility from contractor?

a. Irrigation encountered by the contractor should be capped. Capping the irrigation should be included in grading complete. Pay Item 766-7020 has been added to the revised Schedule of Items as a LS fee of $10,000 to cover any irrigations systems that maybe within the ROW and needs to be reconstructed quickly. Please note that Pay Item 766-7020 can be used only at the city inspector's discretion.

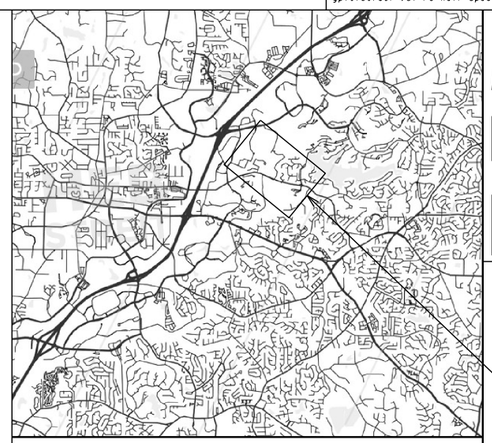
END ADDENDUM

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_01-0001.dgn
GAWCOV

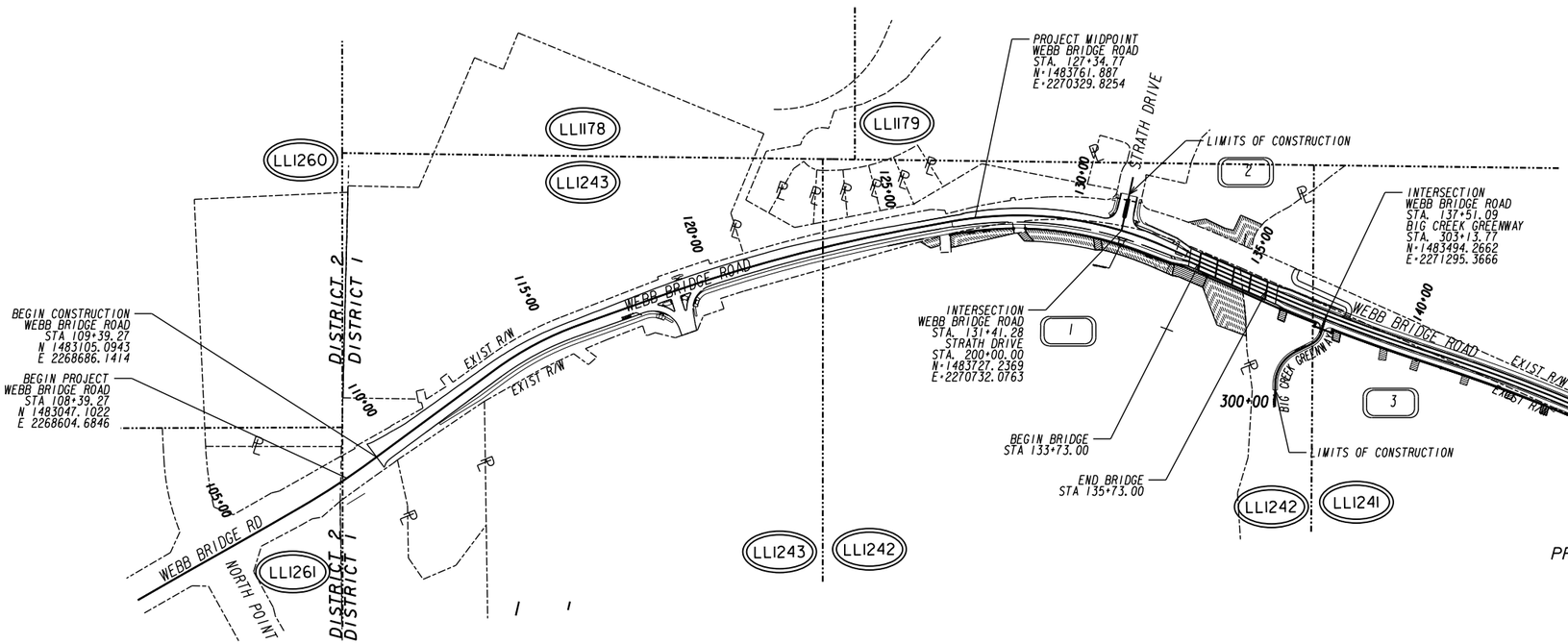
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE OF PROPOSED
WEBB BRIDGE ROAD
EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS



LOCATION SKETCH

PROJECT LOCATION



PREPARED BY:

DESIGN

POND

3500 Parkway Lane
Suite 500
Peachtree Corners, Ga. 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com
COA *: PEF000802
COA EXP.: 6/30/2022

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

GEORGIA811 www.Georgia811.com
Know what's below. Call before you dig.

SCALE IN FEET
0 200 400 800

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF PUBLIC WORKS.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE CITY OF ALPHARETTA IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

LENGTH OF PROJECT	COUNTY: FULTON
	MILES
NET LENGTH OF ROADWAY	0.68
NET LENGTH OF BRIDGES	0.04
NET LENGTH OF PROJECT	0.72
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	0.72

DESIGN DATA:
2019 TRAFFIC A.D.T.: 18,600
2030 TRAFFIC A.D.T.: 19,530
SPEED DESIGN: 35 MPH

PLANS COMPLETED 09-16-2022	
REVISIONS:	
10/6/2022: 3-0001; 6-0002	
10/20/2022: 2-0001, 3-0001, 4-0003	

DRAWING No.
01-0001

DRAWING NO.	DESCRIPTION
1-0001	COVER SHEET
2-0001	INDEX
3-0001	REVISION SUMMARY
4-0001 TO 0003	GENERAL NOTES
5-0001 TO 0008	TYPICAL SECTIONS
6-0001 TO 0006	SUMMARY OF QUANTITIES
13-0001 TO 0008	CONSTRUCTION PLANS
15-0001 TO 0004	MAINLINE PROFILE
16-0001	CROSSROADS PROFILES
17-0001	DRIVEWAY PROFILES
19-0001 TO 0054	CONSTRUCTION STAGING PLANS
21-0001	DRAINAGE AREA MAP
22-0001 TO 0003	DRAINAGE PROFILES
23-0001 TO 0028	EARTHWORK CROSS SECTIONS
24-0001 TO 0008	UTILITY PLANS
25-0001 TO 0014	LIGHTING PLANS
26-0001 TO 0008	SIGNING AND MARKING PLANS
27-0001 TO 0005	SIGNAL PLANS
28-0001 TO 0006	ITS PLANS
29-0001 TO 0012	LANDSCAPING PLANS
31-0001	RETAINING WALL ENVELOPES
35-0001 TO 0013	BRIDGE PLANS
38-0001 TO 0002	SPECIAL GRADING DETAIL
44-CS-FC TO 0008	FULTON COUNTY PROPOSED WATERLINE PLANS
50-0001	EROSION CONTROL COVER SHEET
51-0001 TO 0004	ESPC GENERAL NOTES SHEET
52-0001 TO 0007	EROSION CONT. LEGEND
53-0001	ESPCP DRAINAGE AREA MAP
54-0001 TO 0032	BMP LOCATION DETAILS
55-0001	EC WATERSHED MAP-SITE MONITORING
56-0001 TO 0004	EROSION CONTROL CONSTRUCTION DETAILS
60-0001 TO 0013	ROW PLANS
	CITY OF ALPHARETTA DESIGN STANDARD
STD 401	UTILITY CUT ADJUSTMENTS
STD 900	STREET NAME SIGN
STD 901	ROADWAY PAVEMENT SECTIONS CURB & GUTTER DETAIL
STD L-6	TREE PROTECTION/ L.O.D. FENCING
STD 212	PEDESTAL INLET
	GEORGIA STANDARDS
1120	STANDARD FLARED END SECTIONS 9/99
3054	GUARDRAIL CONNECTION AT BRIDGE END OR AT CONCRETE BARRIER END FOR 31 INCH HIGH GUARDRAIL 01/16
3901	BAR BENDING DETAILS 08/69
4381	POSTS AND OFFSET BLOCKS FOR 'W' & 'T' BEAM GUARDRAIL 31 INCH GUARDRAIL HEIGHT 8/11
4382	GUARDRAIL CONNECTION AT BRIDGE END OR AT CONCRETE BARRIER END FOR 31 INCH HIGH GUARDRAIL 01/16
4383	GUARDRAIL ANCHORAGE TYPE 1, 31 GUARDRAIL HEIGHT 8/11
4384	GUARDRAIL TERMINALS TYPE 12A, 12B AND 12C, 31 INCH GUARDRAIL HEIGHT 8/11
4385	'T' BEAM GUARDRAIL CONNECTION TO 31 INCH HEIGHT 'W' BEAM 8/11
4391	STANDARD GUARDRAIL LOCATION (ON ROADS WITH CURB & GUTTER, HEADER CURB OR INTEGRAL CURB) 08/11
	3 INCH GUARDRAIL HEIGHT
4949D	PARAPET RETAINING WALL TYPES P1, P2, AND P3 05/20
9017K	REINFORCED CONCRETE APPROACH SLAB 30 FT LENGTH 02/90
	(TYPICAL USE: CURB OR CURB AND GUTTER ADJACENT TO ROADWAY AND/OR SIDEWALK ACROSS BRIDGE
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS 01/21
9037	STANDARD FILL DETAIL AT END OF BRIDGE 09/99
9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS 03/06
9102	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY 03/06
1011A	BRICK MANHOLES 10/81
1011AP	PRECAST REINFORCED CONCRETE MANHOLES 06/75

DRAWING NO.	DESCRIPTION	
1030D1	CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3	09/01
1030D2	CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3	09/01
1030D3	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3	09/01
1033D	CATCH BASINS (FOR USE WITH 6" OR 8"HT CURB AND GUTTER)	08/82
1033F	CATCH BASINS (FOR USE WITH HEADER OR INTEGRAL CURBS, 4", 6", 8", OR 10" HT.)	08/82
1033FP	PRECAST CATCH BASINS (FOR USE WITH HEADER OR PRECAST INTEGRAL CURBS, 4", 6", 8", OR 10" HT.)	09/82
1034D	CATCH BASINS (FOR USE WITH 6" OR 8"HT CURB AND GUTTER INS SAGS OR LOW POINTS)	08/82
1034F	CATCH BASINS (FOR USE WITH 4", 6", 8", PR 10" HT HEADER OR INTEGRAL CURBS, (IN SAGS OR LOW POINTS))	08/82
1034FP	PRECAST CATCH BASINS - FOR USE WITH 4", 6", 8", OR 10" HT. HEADER OR INTEGRAL CURBS (IN SAGS OR LOW POINTS)	09/82
4386	GUARDRAIL LOCATIONS IN MEDIANS GUARDRAIL LOCATIONS AT TURNOUTS 31 INCH GUARDRAIL HEIGHT	01/16
9031L	GRAVITY WALL TYPICAL SECTIONS, RAISING HAND WALL, AND TYPICAL PIPE PLUG	09/16
9031S	MEDIAN DROP INLET (PRECAST OR BUILT-IN-PLACE) AND CONCRETE APRON	04/96
	CONSTRUCTION DETAILS	
A1	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS	07/11
A2	CONCRETE VALLEY GUTTER AT STREET INTERSECTION 6	07/11
A3	CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS	09/16
A4	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS	06/09
D20	SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3	04/16
D24A	TEMPORARY SILT FENCE (SHEET 1 OF 4)	01/11
D24B	TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER (SHEET 2 OF 4)	01/11
D24C	TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4)	01/11
D24D	TEMPORARY SILT FENCE FABRIC CHECK DAMS (SHEET 4 OF 4)	07/15
D35	PERMANENT SOIL REINFORCING MAT(TURF REINFORCING MAT) INSTALLATION ON DITCHES.	01/11
D41	CONSTRUCTION EXIT	11/20
D42	INLET SEDIMENT TRAPS	05/08
D43	ROCK FILTER DAM	04/16
D51	TURBIDITY CURTAIN (SILT RETENTION BARRIER) FLOATING OR STAKED	04/16
D55A	RIPRAP OUTLET PROTECTION (SHEET 1 OF 2)	04/16
D55B	RIPRAP OUTLET PROTECTION (SHEET 2 OF 2)	04/16
D56	STONE RIPRAP AND SAND BAG TEMPORARY CHECK DAMS	11/18
G8	CONVERTING EXISTING 9017-C CATCH BASIN TO SPILLWAY/ MOUNTING GUARDRAIL POST ON CATCH BASIN TOP	03/95
ITS-07	CONDUIT AND CONDUIT DUCT BANK TP 3 INSTALLATION DETAILS	10/06
ITS-09	CONDUIT INSTALLATION AT DRAINAGE STRUCTURES	09/05
T02	DETAILS FOR TYPICAL FRAMING	03/00
T03A	TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL	07/02
T03B	DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT)	07/02
T11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY	09/16
T12A	DEATILS OF PAVEMENT MARKING ARROW LOCATION	01/00
T12B	DETAILS OF PAVEMENT MARKINGS - ARROWS	11/20
T14	DETAILS OF PAVEMENT MARKING HATCHING	11/08
T15C	DETAILS OF RAISED PAVEMENT MARKERS	09/11
TS-00	TRAFFIC SIGNALS-LEGEND	11/20
TS-02	PREFABRICATED CABINET BASE	11/20
TS-03	PEDESTRIAN FACILITIES INSTALLATION	11/20
TS-04A	TRAFFIC SIGNAL SUPPORT STRUCTURES	11/20
TS-05	STRAIN POLE AND MAST ARM FOUNDATIONS	11/20
TS-06	GROUNDING FOR TRAFFIC SIGNAL SUPPORT STRUCTURES	11/20
TS-09	FIBER OPTICS INSTALLATION	11/20
T-01	SIGN PLATES	01/00
T-5A	DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2)	01/03
T-13A	PAVEMENT MARKINGS: WORDS (SHEET 1 OF 2)	11/20
T-15A	DETAILS OF RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY	09/16

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES
10/20/22

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

INDEX

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
02-0001

DATE	DRAWING NO.	REVISION
10/6/2022	6-0002	REVISED NOTE UNDER TABLE FOR CONC SIDEWALK, 6IN
10/20/2022	2-0001	REVISED DRAWING NUMBER END FOR GENERAL NOTES TO "0003"
	4-0003	ADDED SHEET 4-0003 TO INCLUDE ENVIRONMENTAL RESOURCE IMPAC TABLE.

DATE	DRAWING NO.	REVISION

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES
10/6/22
10/20/22

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

REVISION SUMMARY

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
03-0001

ENVIRONMENTAL RESOURCES IMPACT TABLE

Resource Name	Location		Side	Permitted Construction Activity	SPECIAL PROVISIONS?	COMMENTS
	Begin Sta	End Sta				
Intermittent Stream 12	114+08	118+33	RT	Buffer encroachment for fill and placement of silt fence and orange barrier fence(213 sqft)	None	
Perennial Stream 13	119+45	127+66	RT	Buffer encroachment for fill and placement of silt fence and orange barrier fence(385 sqft)	None	
Wetland 14	13140	134+04	RT	Permanent impact of 0.15 acres Temporary impact of 0.03 sqft for the construction of road, road fill, and placement of 18-inch culvert and riprap	None	
Perennial Stream 13	131+55	134+07	RT	Buffer encroachment for fill and installation of drainage structure	None	Buffer impacts exempt for construction of a roadway drainage structure (bridge
Perennial Stream 16 (Big Creek)	134+18	137+05	BOTH	Activities within the stream buffer are exempt for construction of a roadway drainage structure (bridge) Stream Impact of 0.05 acres for the stream bank stabilization Stream buffer encroachment of 2,974 sqft for the construction of slopes associated with the bridge construction. 18 linear feet of fill impacts for casings around driven piles within channel Mitigation credits would be required for 18 linear feet of fill	None	
Wetland 15	132+90	134+06	LT	None	None	
Perennial Stream 17				None	None	
Wetland 18	137+80	145+81	LT	Permanent impact of 0.03 acres Temporary impact of 0.04 acres for the construction of road, roadway fill.	None	
Wetland 19	138+80	150+00	RT	Permanent impact of 0.25 Acres Temporary impact of 0.06 acres for the construction of road, roadway fill, and placement of three 18-inch culverts and riprap.	None	
404 PERMITS AND VARIANCES				Nationwide Permit 13 & 14 - For impacts to Perennial Stream 16, wetland 18 and 19. Permit expiration date March 14, 2026		
				Stream Mitigation Credits - 162 grandfathered credits will be purchased for the project. Wetland MitigationCredits : 2.4 grandfathered credits will be purchased for the project		
Notice of Intent (NOI) for NPDES				The City of Alpharetta will submit a NOI to the NPDES General Permit following award of the contract but prior to construction		

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES
10/20/22

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

GENERAL NOTES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

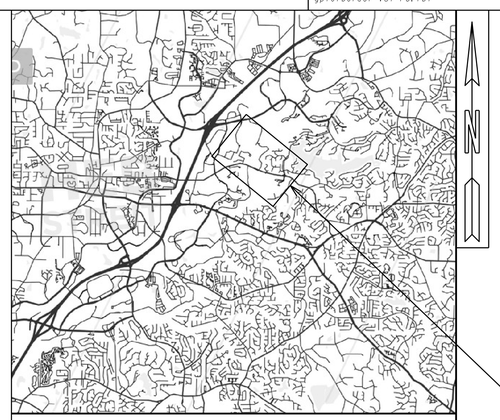
DRAWING No.
04-0003

GPLOT-V8
gplotborder-v81-PO.tbl

1200980_01-0001.dgn
GRWCOV

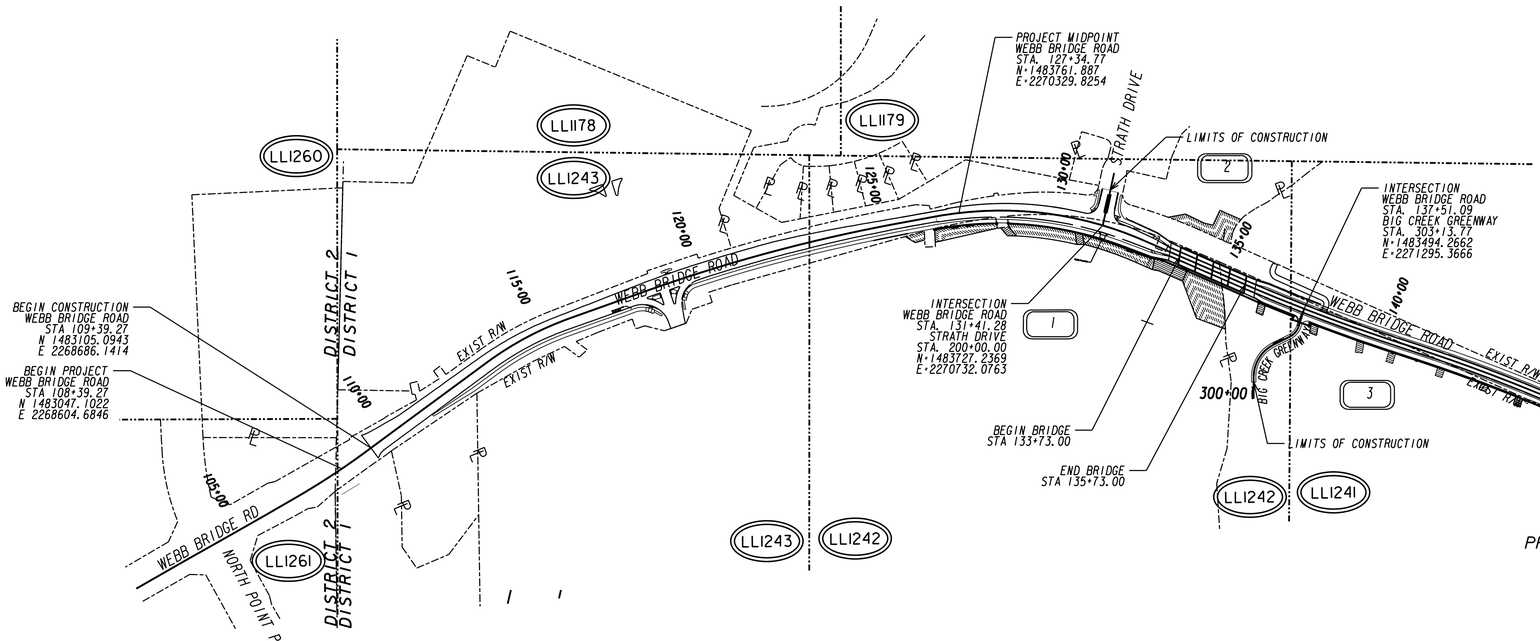
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE OF PROPOSED
WEBB BRIDGE ROAD
EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS



LOCATION SKETCH

PROJECT LOCATION





POND

3500 Parkway Lane
Suite 500
Peachtree Corners, Ga. 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com
COA *: PEF000802
COA EXP.: 6/30/2022

PREPARED BY:

DESIGN

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

GEORGIA811 www.Georgia811.com
Know what's below. Call before you dig.

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF PUBLIC WORKS.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE CITY OF ALPHARETTA IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

SCALE IN FEET
0 200 400 800

LENGTH OF PROJECT	COUNTY: FULTON MILES
NET LENGTH OF ROADWAY	0.68
NET LENGTH OF BRIDGES	0.04
NET LENGTH OF PROJECT	0.72
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	0.72

DESIGN DATA:
2019 TRAFFIC A.D.T.: 18,600
2030 TRAFFIC A.D.T.: 19,530
SPEED DESIGN: 35 MPH

PLANS COMPLETED 9-16-2022	

DRAWING No.
01-0001

DRAWING NO.	DESCRIPTION
1-0001	COVER SHEET
2-0001	INDEX
3-0001	REVISION SUMMARY
4-0001 TO 0002	GENERAL NOTES
5-0001 TO 0008	TYPICAL SECTIONS
6-0001 TO 0006	SUMMARY OF QUANTITIES
13-0001 TO 0008	CONSTRUCTION PLANS
15-0001 TO 0004	MAINLINE PROFILE
16-0001	CROSSROADS PROFILES
17-0001	DRIVEWAY PROFILES
19-0001 TO 0054	CONSTRUCTION STAGING PLANS
21-0001	DRAINAGE AREA MAP
22-0001 TO 0003	DRAINAGE PROFILES
23-0001 TO 0028	EARTHWORK CROSS SECTIONS
24-0001 TO 0008	UTILITY PLANS
25-0001 TO 0014	LIGHTING PLANS
26-0001 TO 0008	SIGNING AND MARKING PLANS
27-0001 TO 0005	SIGNAL PLANS
28-0001 TO 0006	ITS PLANS
29-0001 TO 0012	LANDSCAPING PLANS
31-0001	RETAINING WALL ENVELOPES
35-0001 TO 0013	BRIDGE PLANS
38-0001 TO 0002	SPECIAL GRADING DETAIL
44-CS-FC TO 0008	FULTON COUNTY PROPOSED WATERLINE PLANS
50-0001	EROSION CONTROL COVER SHEET
51-0001 TO 0004	ESPC GENERAL NOTES SHEET
52-0001 TO 0007	EROSION CONT. LEGEND
53-0001	ESPCP DRAINAGE AREA MAP
54-0001 TO 0032	BMP LOCATION DETAILS
55-0001	EC WATERSHED MAP-SITE MONITORING
56-0001 TO 0004	EROSION CONTROL CONSTRUCTION DETAILS
60-0001 TO 0013	ROW PLANS
	CITY OF ALPHARETTA DESIGN STANDARD
STD 401	UTILITY CUT ADJUSTMENTS
STD 900	STREET NAME SIGN
STD 901	ROADWAY PAVEMENT SECTIONS CURB & GUTTER DETAIL
STD L-6	TREE PROTECTION/ L.O.D. FENCING
STD 212	PEDESTAL INLET
	GEORGIA STANDARDS
1120	STANDARD FLARED END SECTIONS 9/99
3054	GUARDRAIL CONNECTION AT BRIDGE END OR AT CONCRETE BARRIER END FOR 31 INCH HIGH GUARDRAIL 01/16
3901	BAR BENDING DETAILS 08/69
4381	POSTS AND OFFSET BLOCKS FOR 'W' & 'T' BEAM GUARDRAIL 31 INCH GUARDRAIL HEIGHT 8/11
4382	GUARDRAIL CONNECTION AT BRIDGE END OR AT CONCRETE BARRIER END FOR 31 INCH HIGH GUARDRAIL 01/16
4383	GUARDRAIL ANCHORAGE TYPE 1, 31 GUARDRAIL HEIGHT 8/11
4384	GUARDRAIL TERMINALS TYPE 12A, 12B AND 12C, 31 INCH GUARDRAIL HEIGHT 8/11
4385	'T' BEAM GUARDRAIL CONNECTION TO 31 INCH HEIGHT 'W' BEAM 8/11
4391	STANDARD GUARDRAIL LOCATION (ON ROADS WITH CURB & GUTTER, HEADER CURB OR INTEGRAL CURB) 08/11
	3 INCH GUARDRAIL HEIGHT
4949D	PARAPET RETAINING WALL TYPES P1, P2, AND P3 05/20
9017K	REINFORCED CONCRETE APPROACH SLAB 30 FT LENGTH 02/90
	(TYPICAL USE: CURB OR CURB AND GUTTER ADJACENT TO ROADWAY AND/OR SIDEWALK ACROSS BRIDGE
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS 01/21
9037	STANDARD FILL DETAIL AT END OF BRIDGE 09/99
9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS 03/06
9102	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY 03/06
1011A	BRICK MANHOLES 10/81
1011AP	PRECAST REINFORCED CONCRETE MANHOLES 06/75

DRAWING NO.	DESCRIPTION
1030D1	CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3 09/01
1030D2	CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3 09/01
1030D3	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3 09/01
1033D	CATCH BASINS (FOR USE WITH 6" OR 8"HT CURB AND GUTTER) 08/82
1033F	CATCH BASINS (FOR USE WITH HEADER OR INTEGRAL CURBS, 4", 6", 8", OR 10" HT.) 08/82
1033FP	PRECAST CATCH BASINS (FOR USE WITH HEADER OR PRECAST INTEGRAL CURBS, 4", 6", 8", OR 10" HT.) 09/82
1034D	CATCH BASINS (FOR USE WITH 6" OR 8"HT CURB AND GUTTER INS SAGS OR LOW POINTS) 08/82
1034F	CATCH BASINS (FOR USE WITH 4", 6", 8", PR 10" HT HEADER OR INTEGRAL CURBS, (IN SAGS OR LOW POINTS)) 08/82
1034FP	PRECAST CATCH BASINS - FOR USE WITH 4", 6", 8", OR 10" HT. HEADER OR INTEGRAL CURBS (IN SAGS OR LOW POINTS) 09/82
4386	GUARDRAIL LOCATIONS IN MEDIANS GUARDRAIL LOCATIONS AT TURNOUTS 31 INCH GUARDRAIL HEIGHT 01/16
9031L	GRAVITY WALL TYPICAL SECTIONS, RAISING HAND WALL, AND TYPICAL PIPE PLUG 09/16
9031S	MEDIAN DROP INLET (PRECAST OR BUILT-IN-PLACE) AND CONCRETE APRON 04/96
	CONSTRUCTION DETAILS
A1	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS 07/11
A2	CONCRETE VALLEY GUTTER AT STREET INTERSECTION 6 07/11
A3	CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS 09/16
A4	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING 06/09
	AND ALIGNMENT REQUIREMENTS
D20	SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3 04/16
D24A	TEMPORARY SILT FENCE (SHEET 1 OF 4) 01/11
D24B	TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH 01/11
	BARRIER (SHEET 2 OF 4)
D24C	TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4) 01/11
D24D	TEMPORARY SILT FENCE FABRIC CHECK DAMS (SHEET 4 OF 4) 07/15
D35	PERMANENT SOIL REINFORCING MAT(TURF REINFORCING MAT) 01/11
	INSTALLATION ON DITCHES.
D41	CONSTRUCTION EXIT 11/20
D42	INLET SEDIMENT TRAPS 05/08
D43	ROCK FILTER DAM 04/16
D51	TURBIDITY CURTAIN (SILT RETENTION BARRIER) FLOATING OR STAKED 04/16
D55A	RIPRAP OUTLET PROTECTION (SHEET 1 OF 2) 04/16
D55B	RIPRAP OUTLET PROTECTION (SHEET 2 OF 2) 04/16
D56	STONE RIPRAP AND SAND BAG TEMPORARY CHECK DAMS 11/18
G8	CONVERTING EXISTING 9017-C CATCH BASIN TO SPILLWAY/ MOUNTING 03/95
	GUARDRAIL POST ON CATCH BASIN TOP
ITS-07	CONDUIT AND CONDUIT DUCT BANK TP 3 INSTALLATION DETAILS 10/06
ITS-09	CONDUIT INSTALLATION AT DRAINAGE STRUCTURES 09/05
T02	DETAILS FOR TYPICAL FRAMING 03/00
T03A	TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL 07/02
T03B	DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT) 07/02
T11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY 09/16
T12A	DEATILS OF PAVEMENT MARKING ARROW LOCATION 01/00
T12B	DETAILS OF PAVEMENT MARKINGS - ARROWS 11/20
T14	DETAILS OF PAVEMENT MARKING HATCHING 11/08
T15C	DETAILS OF RAISED PAVEMENT MARKERS 09/11
TS-00	TRAFFIC SIGNALS-LEGEND 11/20
TS-02	PREFABRICATED CABINET BASE 11/20
TS-03	PEDESTRIAN FACILITIES INSTALLATION 11/20
TS-04A	TRAFFIC SIGNAL SUPPORT STRUCTURES 11/20
TS-05	STRAIN POLE AND MAST ARM FOUNDATIONS 11/20
TS-06	GROUNDING FOR TRAFFIC SIGNAL SUPPORT STRUCTURES 11/20
TS-09	FIBER OPTICS INSTALLATION 11/20
T-01	SIGN PLATES 01/00
T-5A	DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2) 01/03
T-13A	PAVEMENT MARKINGS: WORDS (SHEET 1 OF 2) 11/20
T-15A	DETAILS OF RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY 09/16

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

INDEX

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 02-0001

DATE	DRAWING NO.	REVISION

DATE	DRAWING NO.	REVISION

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

REVISION SUMMARY

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
03-0001

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION OF GEORGIA STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2021 EDITION AND SUPPLEMENTAL THERETO, AS PROVIDED BY THE FEDERAL HIGHWAY ADMINISTRATION UNLESS OTHERWISE NOTED.

2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON ROADWAY PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON ROADWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT, EXCEPT AS NOTED BELOW. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH THE CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.

3. UTILITY WORK COORDINATION WILL BE REQUIRED AS A PART OF THIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 811 OR 1-800-282-7411, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 105.06 OF THE GDOT STANDARD SPECIFICATIONS "COOPERATION WITH UTILITIES."

4. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

COMCAST CHRIS BATES 470-787-4657	CHARTER COMMUNICATIONS TELECOM JIMMY PRICE
AT&T TY HOUSTON 404-202-0669	CROWN CASTLE NETWORK OPERATIONS CENTER 855-933-4237 EXT. 1,2
AGL (SOUTHERN COMPANY GAS) JERRY BARRETT 770-205-3622	FIBERLIGHT ADAM NICKERSON 682-321-8437
FULTON COUNTY WATER AND SEWER ABUL HOWLADER 404-612-7537	GA TRANSMISSION CORP TIM ASHTON 770-842-6340
SAWNEE EMC ELECTRIC PAUL SHADBURN 678-455-1508	QUANTA TELECOMMUNICATIONS SERVICES DARRELL BOOTH 346-242-5636
GEORGIA POWER CHRIS BOGGS 703-405-0574	VERIZON WIRELESS JESSIE ALDRIDGE 229-379-6114
CENTURY LINK TELECOM XAN RYPKEMA 720-888-1089	ZAYO FIBER SOLUTIONS TELECOM NETWORK CONTROL CENTER 866-364-6033 EXT. 2
REDSPEED GREG PARKS GREG.PARKS@REDSPEED-USA.COM	REDSPEED RANDALL RHYMES RANDALL.RHYMES@REDSPEED-USA.COM

5. TYPE OF GRASS OR SOD USED IN THIS PROJECT WILL BE REQUIRED TO MATCH ANY TYPE OF GRASS OR SOD WHICH MAY BE PLANTED AND GROWING ON THE ADJACENT LAWN. I.E. BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA ETC. PRICE TO GRASS AND SOD ENTIRE PROJECT DISTURBED AREA TO MEET THIS REQUIREMENT WILL BE INCLUDED IN SOD AND PERMANENT GRASSING PAY ITEMS. NO SEPARATE PAYMENT WILL BE MADE TO COMPLY WITH THIS REQUIREMENT.

6. THE TOTAL EARTHWORK QUANTITY SHOWN ON THE PLANS ARE FOR INFORMATION ONLY. THE CITY OF ALPHARETTA DEPARTMENT OF PUBLIC WORKS ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRADING COMPLETE - LUMP SUM AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL EARTHWORK QUANTITY TO BE GRADED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE QUANTITY SHOWN ON THE PLANS. CLEARING AND GRUBBING ON THIS PROJECT IS LIMITED TO THE ACTUAL CONSTRUCTION LIMITS UNLESS DIRECTED BY THE ENGINEER. COST FOR CLEARING AND GRUBBING SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE - LUMP SUM.

7. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENT TO RETARD DUST. ALL COST FOR DUST CONTROL SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE - LUMP SUM.

8. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS

9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.

10. HORIZONTAL CONTROL IS BASED UPON GEORGIA STATE PLANE COORDINATE SYSTEM. SEE PLANS FOR LOCATIONS AND DESCRIPTIONS OF MONUMENTS USED.

11. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.

12. THE EMBANKMENTS FOR THIS PROJECT WILL BE CONSTRUCTED OVER LOW WET AREAS WITH POOR SUBGRADE SOILS. TO AID WITH FILL PLACEMENT, ROCK EMBANKMENT SHOULD BE PLACED TO A HEIGHT OF 18 INCHES BEFORE PLACING NORMAL FILLS. SEPARATE THE ROCK EMBANKMENT FROM NORMAL FILLS WITH A LAYER OF WOVEN PLASTIC FILTER FABRIC. THE ROCK EMBANKMENT SHOULD BE PLACED FROM THE TOE OF THE EXISTING EMBANKMENT SLOPE TO THE TOE OF THE NEW EMBANKMENT SLOPE. ROCK EMBANKMENT WILL BE REQUIRED AT THE FOLLOWING LOCATIONS:
Station 133+00 to 133+73
Station 135+73 to 141+00

13. CONSTRUCTION LAYOUT WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL BE INCLUDED IN THE PRICE BID FOR OTHER CONTRACT ITEMS.

14. AGGREGATE SURFACE COURSE FOR TEMPORARY DRIVEWAYS, INCLUDING MATERIAL, HAUL, AND PLACEMENT SHALL BE USED AT THE ENGINEER'S DIRECTION TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC THROUGH THE CONSTRUCTION AREA DURING INCLEMENT WEATHER. WHEN USED FOR THIS PURPOSE, SECTION 318 OF THE GDOT STANDARD SPECIFICATIONS IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPREPARED WET, MUDDY SUBGRADE. SECTION 318 IS FURTHER MODIFIED TO PERMIT THE USE OF CRUSHER STONE AS DESCRIBED IN SECTION 318.02. THE CONTRACTOR WILL HAVE USE OF THE FOLLOWING MATERIALS:

    a. GRADED AGGREGATE, ARTICLE 815.2.01
    b. COURSE AGGREGATE, SIZE 467, ARTICLE 800.2.01
    c. STABILIZED AGGREGATE, TYPE I OR II, SECTION 803.2.01 OR 803.2.02
    d. CRUSHED STONE, ARTICLE 806.2.01

15. ALL DRIVEWAYS, WHERE ACCESS IS ALLOWED, SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH RULES AND REGULATIONS FOR CONTROL AND PROTECTION OF THE CITY OF ALPHARETTA RIGHTS-OF-WAY. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED, IN KIND, I.E., ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND ASPHALT SURFACE COURSE FOR EARTH. THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH THE RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WIDTH AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. WHERE REQUIRED, THE DRIVES SHALL BE PAVED AS FOLLOWS:

ASPHALTIC AND UNPAVED DRIVES SHALL BE PAVED TO THEIR CONSTRUCTION LIMITS.
RESIDENTIAL - RECYCLED ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY, INCL. BITUM MAT'L & LIME - 1-1/2 INCH
GRADED AGGREGATE BASE, 6 INCH

COMMERCIAL - RECYCLED ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY, INCL. BITUM MAT'L & H. LIME - 1-1/2 INCH
RECYCLED ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2, INCL. BITUM MAT'L & H. LIME - 2 INCH
GRADED AGGREGATE BASE, 8 INCH

CONCRETE DRIVES
RESIDENTIAL - CONCRETE VALLEY GUTTER, 6 INCH
CONCRETE DRIVEWAY, 6 INCH
GRADED AGGREGATE BASE, 6 INCH

COMMERCIAL - CONCRETE VALLEY GUTTER, 8 INCH
CONCRETE DRIVEWAY, 8 INCH

HIGH EARLY STRENGTH CONCRETE PER GDOT STANDARDS FOR DRIVEWAYS SHALL BE USED ON CONCRETE DRIVEWAYS REGARDLESS OF WHETHER THEY ARE RESIDENTIAL OR COMMERCIAL. ON MULTI-LANE DRIVEWAYS, HALF OF THE DRIVEWAY CAN BE CLOSED AT A TIME.

16. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REGULATION.

17. ALL EXISTING PIPE SHALL BE REMOVED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. COST FOR REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE - LUMP SUM.

18. AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWED ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE PAVEMENT REMOVAL TO A NEAT LINE. THE COSTS FOR SAWED JOINTS, WHEN REQUIRED, SHALL BE INCLUDED IN PRICE BID FOR OTHER CONTRACT ITEMS.

19. WHERE EXISTING PAVEMENT MARKINGS ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED. COST FOR TEMPORARY TRAFFIC CONTROL TO BE INCLUDED IN TRAFFIC CONTROL - LUMP SUM.

20. THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05 AND 107.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.

21. ALL ADA RAMPS AND SIDEWALK WITHIN THE INTERSECTION RADII ARE TO BE 8 INCH CONCRETE. THE COST FOR ADA RAMPS SHALL BE INCLUDED IN THE PRICE BID FOR 8 INCH CONCRETE SIDEWALK.

22. PRICE BID FOR TRAFFIC CONTROL - LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING A TRAFFIC CONTROL PLAN SHOWING THE PROPOSED MEASURES TO MANAGE TRAFFIC DURING CONSTRUCTION ACTIVITIES. THE PLAN SHALL CONFORM TO THE 2009 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND GEORGIA DOT SPECIFICATION 150.

23. ALL SIGNING, MARKING AND TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION. ALL STRIPING SHALL BE THERMOPLASTIC.

24. ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER. REFER TO SECTION 161 OF THE STANDARD SPECIFICATIONS. MAT ALL CUT OR FILL SLOPES OF 3:1 OR STEEPER AND WITHIN 50' OF ALL CROSS DRAINS AND CULVERTS, AND AS SHOWN IN THE EROSION PLANS.

25. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

26. TEMPORARY EROSION CONTROL QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY.

27. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION OR AS DIRECTED BY THE ENGINEER.

28. ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE GDOT STANDARD SPECIFICATION AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL BY GSWCC THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING WETLAND AREAS FREE FROM SILTATION. THE CONTRACTOR SHALL OBTAIN AND ABIDE BY ALL CORPS OF ENGINEERS RULES AND REGULATIONS CONCERNING CONSTRUCTION ADJACENT TO WATERWAYS AND MAINTAIN WATER QUALITY.

29. CONCRETE APRON ASSOCIATED WITH 9031S DROP INLETS MAY BE OMITTED AT ENGINEER'S DISCRETION.

30. CONTRACTOR IS RESPONSIBLE FOR PRE-MARKING ALL SIGNING, STRIPING, GUARDRAIL, HANDICAP RAMPS AND DRIVEWAY LAYOUTS. CONTRACTOR SHALL NOTIFY THE CITY OF ALPHARETTA A MINIMUM OF 72 HOURS AFTER PRE-MARKING FOR A REVIEW PRIOR TO PLACING PAVEMENT MARKING, SIGNS, GUARDRAIL, HANDICAP RAMPS AND DRIVEWAYS. THE CONTRACTOR SHALL COORDINATE THIS ACTION WITH THE PROJECT ENGINEER.

31. LIMB EXISTING TREES TO PROVIDE CLEARANCE FOR SIDEWALKS. COST TO BE INCLUDED IN GRADING COMPLETE.

32. A NOTICE OF INTENT (NOI) IS REQUIRED FOR THIS PROJECT.

33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LENGTH OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON, YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA. ALL COST INCURRED FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.

34. THERE IS NO SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE CITY OF ALPHARETTA. CONTRACTOR IS RESPONSIBLE FOR ALL TESTING IN ACCORDANCE WITH GDOT STANDARDS AND SPECIFICATIONS. COST TO BE INCLUDED IN LINE ITEM BIDS.

35. CONTRACTION JOINTS SHALL BE PLACED EQUAL TO SIDEWALK WIDTH AND EXPANSION JOINTS SHALL BE PLACED AT 50'.

36. PREFORMED PLASTIC, CONTRAST STRIPING SHALL BE INSTALLED ON ALL CONCRETE SURFACES TO ENSURE PROPER ADHERANCE.

37. ALL EXISTING SIGNS WITHIN THE LIMITS OF CONSTRUCTION, AND BEING DISTURBED BY PROPOSED CONSTRUCTION, SHALL BE REMOVED UNLESS SHOWN OTHERWISE ON PLANS. PAYMENT SHALL BE INCLUDED IN PAY ITEM 210-0100 GRADING COMPLETE.

38. CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY DUPLICATED/CONFLICTING SIGNS AND/OR PAVEMENT MARKINGS. PAYMENT SHALL BE INCLUDED IN PAY ITEM 210-0100 GRADING COMPLETE.

39. IN THE EVENT SIGN ASSEMBLIES SHOWN FOR REMOVAL AND RESET ARE DAMAGED DURING THE PROCESS, SIGN ASSEMBLY SHALL BE REPLACED WITH A NEW POST. PAYMENT SHALL BE INCLUDED IN OVERALL PRICE FOR SIGN RESET.

40. ALL PAVEMENT MARKINGS RELATED TO BICYCLE FACILITIES SHALL BE HIGH-BUILD PAINT. PAYMENT SHALL BE INCLUDED IN OVERALL PAVEMENT MARKING QUANTITY.

41. CONTRACTOR SHALL PLACE TWO (2) 2" CONDUITS UNDER STRATH DRIVE AND 2 PULL BOXES FOR FUTURE IRRIGATION NEEDS.

42. ALPHARETTA HIGH SCHOOL CROSS COUNTRY TEAM RUNS FROM AUGUST THROUGH NOVEMBER. ACCESS TO THEIR TRAIL MUST BE MAINTAINED DURING CROSS COUNTRY SEASON. PRIOR TO CONSTRUCTION, THE CONTRACTOR AND ENGINEER ON SITE SHOULD REACH OUT TO THE SCHOOL PRIOR TO ANY CONSTRUCTION NEAR THE SCHOOL.
PRIMARY CONTACT, CHANDLER YOUNT - ATHLETIC DIRECTOR (YOUNTW@FULTONSCHOOLS.ORG) OFF: 470-254-7640
PRINCIPAL CONTACT, DR. KERSEY - PRINCIPAL (KERSEY@FULTONSCHOOLS.ORG) OFF: 470-254-7652

43. COST TO RECONSTRUCT FIRST TWO TIMBER STEPS BETWEEN STA. 120+00 AND 120+50 RT SHALL BE INCLUDED IN GRADING COMPLETE

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
GENERAL NOTES
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 04-0001

CITY OF ALPHARETTA - PROJECT NOTES

1. DESIGNER:
POND & COMPANY
3500 PARKWAY LANE *500
PEACHTREE CORNERS, GA 30092
PHONE: 678-336-7740
CONTACT: TABATHA CARLTON
2. OWNER/DEVELOPER:
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
1790 HEMBREE ROAD
ALPHARETTA, GEORGIA 30009
PHONE: 678-297-6200.
CONTACT: PAMELA BUSH, P.E.
3. THE SURVEY INFORMATION CONTAINED IN THESE PLANS WAS PREPARED BY MCKIM AND CREED ON THE 3RD OF MARCH, 2018.
4. THE PROJECT LIMITS DO CONTAIN WETLANDS. WETLAND IMPACTS ARE PROPOSED.
5. A BUILDING PERMIT MUST BE OBTAINED FOR EACH RETAINING WALL GREATER THAN FOUR (4) FEET IN HEIGHT.
5.1. BUILDING PERMITS ARE ISSUED BY THE BUILDING DIVISION OF THE CITY OF ALPHARETTA'S COMMUNITY DEVELOPMENT DEPARTMENT.
5.2. ALL WALLS OVER 4'-0" REQUIRE FENCING OR ACCEPTABLE DENSE VEGETATION AT THE TOP PER UDC ARTICLE IV 4.4.5J.
6. DEMOLITION WORK SHALL NOT BEGIN UNTIL TREE SAVE FENCE AND PHASE I EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND APPROVED BY THE CITY'S PROJECT MANAGER.
7. EXISTING STRIPING INDICATED TO BE REMOVED SHALL BE REMOVED BY WATER BLASTING.
8. EXISTING SIDEWALK AND CURB AND GUTTER CALLED OUT TO BE REMOVED SHALL BE REMOVED TO NEAREST JOINT.
9. ALL CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED WITH HIGH EARLY STRENGTH CONCRETE.
10. IF THE CONTRACTOR, IN THE COURSE OF THE WORK, FINDS ANY DISCREPANCIES BETWEEN THE PLANS AND THE PHYSICAL CONDITIONS OF THE LOCALITY, OR ANY ERRORS OR OMISSIONS IN THE PLANS OR IN THE LAYOUT AS GIVEN BY THE ENGINEER, IT SHALL BE THEIR DUTY TO IMMEDIATELY INFORM THE CITY AND ENGINEER IN WRITING. THE ENGINEER WILL PROMPTLY VERIFY CONTRACTOR'S RISK.
11. THE CONTRACTOR SHALL PROVIDE MATERIAL TESTING UNLESS OTHERWISE NOTED. COSTS FOR TESTING SHALL BE INCLUDED IN THE APPROPRIATE LINE ITEM UNIT COST.
12. UTILITY COORDINATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
12.1. ANY FEES FOR UTILITY RELOCATION WILL BE PAID BY THE CITY DIRECTLY TO THE UTILITY OWNER. UTILITY RELOCATIONS REQUIRING PAYMENT REQUIRE PRE-APPROVAL BY THE CITY'S PROJECT MANGER. THE CONTRACTOR SHALL NOT BE AUTHORIZED TO DIRECT ANY UTILITY OWNER TO RELOCATE UTILITIES AT THE CITY'S EXPENSE.
13. FOR ADDRESS ASSIGNMENT FOR NEW ELECTRICAL SERVICES, CONTACT CITY OF ALPHARETTA'S COMMUNITY DEVELOPMENT DEPARTMENT (BEN KERN, 678-297-6077, BKERN@ALPHARETTA.GA.US).
14. TOTAL PROJECT LIMITS ACREAGE: 9.83 AC
15. TOTAL DISTURBED ACREAGE: 5.17 AC
16. GREENWAY TRAIL SHALL REMAIN OPEN AT ALL TIME UNLESS CONTRACT DOCUMENTS SPECIFY OTHERWISE.

CITY OF ALPHARETTA - TRAFFIC NOTES

1. ALL UTILITY LOCATES AND RELOCATIONS, AND/OR DAMAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST CONTACT CITY OF ALPHARETTA LOCATE PERSONNEL DIRECTLY FOR TRAFFIC SIGNAL UTILITY LOCATES. PHONE 678-297-6200.
2. ALL REQUIRED TRAFFIC SIGNAGE MUST MEET MUTCD STANDARDS.
3. ALL REQUIRED TRAFFIC STRIPING MUST MEET MUTCD AND GDOT PLAN SPECIFICATIONS AND MUST BE THERMO-PLASTIC (EXCEPT WHERE NOTED).
4. ALL H/C RAMP FORMS MUST BE APPROVED BY CITY LAND DISTURBANCE INSPECTOR PRIOR TO CONCRETE POUR.
5. ALL STRIPING LAYOUTS MUST BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO FINAL APPLICATION.

CITY OF ALPHARETTA - FIRE MARSHAL NOTES

1. DURING CONSTRUCTION AND FOR PERMANENT ACCESS, ROADWAYS CONSTRUCTED OF AN ALL-WEATHER SURFACE CAPABLE OF SUPPORTING 75,000 POUNDS GROSS WEIGHT SHALL BE PROVIDED PER INTERNATIONAL FIRE CODE, CHAPTER 5, SECTION 503.2.3, 2006 EDITION.

CITY OF ALPHARETTA - COMMUNITY DEVELOPMENT NOTES

1. THE PROJECT LIMITS ARE LOCATED WITHIN LAND LOTS 1239, 1240, 1241, 1247, 1248, 1249, 1250 OF THE 2ND DISTRICT, 1ST SECTION AND LAND LOTS 0124, 0125, 0126, 0127, 0157, 0158, 0159, 1063, 1093 OF THE 1ST DISTRICT, 1ST SECTION.
2. CURRENT SITE ZONING: PUBLIC RIGHT OF WAY
3. PROPOSED USE: PUBLIC RIGHT OF WAY IMPROVEMENTS
4. OFF-STREET PARKING SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.
5. ON-SITE BURIAL IS NOT ALLOWED.
6. ALL RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT MUST OBTAIN A BUILDING PERMIT.
7. IRRIGATION SYSTEMS ARE NOT ALLOWED WITHIN THE PUBLIC RIGHT OF WAY.

CITY OF ALPHARETTA ARBORIST NOTES

1. IF THERE ARE INCONSISTENCIES BETWEEN ANY ITEMS ON THESE PLANS THE MORE STRICT INTERPRETATION OF THOSE REQUIREMENTS SHALL BE FOLLOWED. PLEASE CONTACT THE CITY'S PROJECT MANAGER FOR ANY INTERPRETATION.
2. TREE SAVE FENCE AND SIGNAGE FOR ENTIRE SITE MUST BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE OR DEMOLITION IS ALLOWED BEFORE THIS INSPECTION AND APPROVAL HAS OCCURRED.
3. THE CRZ OF SPECIMEN TREES PLUS ALL BUFFERS SHALL BE PROTECTED WITH WIRE-BACK TREE SAVE FENCING WITH METAL SUPPORT POSTS OR CHAIN LINE AND TREE SAVE SIGNAGE.
4. INSTALLATION OF THE TREE SAVE FENCE SHALL INVOLVE NO TRENCHING.
5. ALL EXISTING TREES IDENTIFIED FOR PRESERVATION OR FOUND WITHIN TREE SAVE AREAS MUST BE FULLY PROTECTED DURING ALL PHASES OF THIS PROJECT.
6. ADDITIONAL TREES ALONG THE LIMITS OF DISTURBANCE WITH ENCROACHMENT INTO THE SRP AND DEEMED STRUCTURALLY UNSAFE BY THE CITY MAY BE REQUIRED TO BE REMOVED PRIOR TO PROJECT CLOSE-OUT.
7. ALL ROOTS ENCOUNTERED 1/2" OR GREATER DURING GRADING OR EXCAVATING OPERATIONS SHALL BE CLEAN CUT UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
8. PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES, ANY LIMBS OVERHANGING THE LOD WITHIN THE VERTICAL WORK ZONE SHALL BE PROPERLY PRUNED UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST IN ORDER TO PREVENT DAMAGE DURING CONSTRUCTION.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE VEGETATION AND REMOVE TRASH AND DEBRIS WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE CITY OF ALPHARETTA PROPERTY MAINTENANCE CODES.
10. ALL APPROVED REVISIONS TO THE LOCATION OF THE TREE SAVE FENCE NEED TO BE COORDINATED WITH THE CITY'S PROJECT MANAGER PRIOR TO RELOCATION.

CITY OF ALPHARETTA - SITE ENGINEERING NOTES

1. THE PROJECT WILL REPLACE THE BRIDGE ALONG WEBB BRIDGE ROAD OVER BIG CREEK. THIS PROJECT WILL ALSO PROVIDE BIKE AND PEDESTRIAN ACCOMODATIONS, AND INVOLVES PUBLIC ACCESS IMPROVEMENTS WITHIN THE RIGHT-OF-WAY. THE DOWNSTREAM PROPERTIES ARE ZONED (AG, CUP, R, R-15, AND SU), AND ARE DEVELOPED PRIMARILY AS RESIDENTIAL. NO ADVERSE IMPACTS ARE ANTICIPATED AS A RESULT OF THIS PROJECT.
2. THIS PROJECT CALLS FOR THE CONSTRUCTION OF 200,089 SF OF IMPERVIOUS SURFACES. THIS REPRESENTS A NET INCREASE FROM EXISTING CONDITIONS OF 199,994 SF OF IMPERVIOUS SURFACES WITHIN THE PROJECT LIMITS.
3. SURVEY BENCHMARK: GEORGIA STATE PLANE COORDINATE SYSTEM OF 1985 (NAD 1983). ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
3.1. SAID BENCHMARKS ARE BASED ON THE GEORGIA STATE PLANE COORDINATE SYSTEM OF 1985 (NAD 1983). ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
4. PORTIONS OF THIS PROJECT LIES WITHIN THE SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD, AS PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY, AND SHOWN ON COMMUNITY-PANELS FEMA FLOOD MAP 13135C0059F AND 13121C0078F, LAST REVISED SEPTEMBER 18, 2013.
5. PORTIONS OF THE PROJECT LIMITS LIE WITHIN THE SPECIAL FLOOD HAZARD AREAS (SFHAs), AREAS OF 1% ANNUAL CHANCE FLOOD WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE, AS SHOWN ON THE CITY OF ALPHARETTA EXPANDED FLOODPLAIN MAPS.
6. PORTIONS OF THE PROJECT LIMITS LIE WITHIN THE CITY OF ALPHARETTA'S FUTURE FLOODPLAIN.
7. THERE ARE NO KNOWN EXISTING WELLS OR SEPTIC SYSTEMS WITHIN THE PROJECT LIMITS. NO NEW WELLS OR SEPTIC SYSTEMS ARE PROPOSED.
8. PAVED INVERTS ARE REQUIRED FOR ALL STORM DRAINAGE STRUCTURES. COST SHALL BE INCLUDED IN CONTRACTOR'S UNIT PRICE FOR EACH STORM STRUCTURE TYPE.
9. THE PROJECT LIMITS DO CONTAIN STATE WATERS AND STATE WATERS WITHIN 200 FEET OF THE PROJECT LIMITS.
10. THE PROJECT LIMITS DO NOT DISCHARGE STORM WATER INTO A BIOTA IMPAIRED STREAM SEGMENT, OR WITHIN ONE LINEAR MILE OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.
11. SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO AND DURING ALL LAND DISTURBING ACTIVITIES UNTIL FINAL STABILIZATION OF THE PROJECT LIMITS HAS BEEN ACHIEVED.
12. SLOPE STABILIZATION (Ss) SHALL BE INSTALLED ON ALL SLOPES 3H:1V AND STEEPER. SLOPE STABILIZATION MAY BE OMITTED IF SLOPE IS STABILIZED WITH SOD.
13. APPROVED PLANS AND NPDES DAILY LOG MUST BE ON SITE AT ALL TIMES.
14. CONTRACTOR MUST ATTEND CITY OF ALPHARETTA PRE-CONSTRUCTION CLASS PRIOR TO SITE INITIATION.
15. ALL AREAS TO RECEIVE STRUCTURAL FILL TO BE CLEARED, STRIPPED, AND FREE OF TOPSOIL, ROOTS, STUMPS, AND ALL OTHER DELETERIOUS MATERIAL. STRUCTURAL FILL TO BE CLEAN FROM ORGANICS AND ALL OTHER DELETERIOUS MATERIAL. FILL TO BE PLACED IN MAXIMUM 8" LIFTS AND COMPACTED TO AT LEAST 95% STANDARD PROCTOR MAXIMUM DENSITY AND TO WITHIN 3%± OF THE OPTIMUM MOISTURE CONTENT, UNLESS OTHERWISE SPECIFIED IN THE PROJECT GEOTECHNICAL REPORT OR BY THE PROJECT GEOTECHNICAL ENGINEER. ALL FILL SOILS TO BE PLACED UNDER THE OBSERVATION OF THE PROJECT GEOTECHNICAL ENGINEER. DOCUMENTATION OF COMPACTION TESTING SHALL BE PROVIDED TO THE CITY'S PROJECT MANAGER. CONTACT THE CITY'S PROJECT MANAGER PRIOR TO CONSTRUCTION FOR FURTHER TESTING REQUIREMENTS.
16. FAILURE OF THE CONTRACTOR TO PERFORM THE PRESCRIBED EROSION CONTROL PRACTICES SHALL RESULT IN THE IMMEDIATE ISSUANCE OF A STOP-WORK ORDER FOR THE PROJECT SITE, PURSUANT TO SECTION 3.1.1.F.2.d. OF THE CITY UNIFIED DEVELOPMENT CODE.
17. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
18. ALL DISTURBED AREAS MUST BE VEGETATED WITHIN 14 DAYS OF FINAL GRADE.
19. ALL FILL SLOPES SHALL HAVE SILT FENCE AT THE TOE OF THE SLOPE.
20. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
21. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
22. ANY DISTURBED AREA LEFT EXPOSED FOR 14 DAYS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH.
23. THE CONTRACTOR SHALL REMOVE SEDIMENT ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE SILT FENCE USED FOR EROSION CONTROL.
24. MAXIMUM CUT OR FILL SLOPES ARE 2 HORIZONTAL : 1 VERTICAL.
25. ALL SILT FENCE SHALL BE FOR SENSITIVE AREAS (Sdi-S).
26. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO ROADWAY OR INTO STORM DRAIN SYSTEM MUST BE REMOVED IMMEDIATELY BY SWEEPING.
27. ALL STORM DRAINS AND DROP INLETS WILL HAVE 4" PERMANENT POLLUTION PREVENTION MARKERS INSTALLED PRIOR TO INSPECTION. MARKERS ARE AVAILABLE AT THE CITY OF ALPHARETTA COMMUNITY DEVELOPMENT (678-297-6000).
28. THE CONTRACTOR WILL MAINTAIN STORM WATER RUNOFF CONTROLS AT ALL TIMES. ADDITIONAL CONTROLS WILL BE INSTALLED IF DETERMINED NECESSARY BY CITY INSPECTION.
29. IRRIGATION SYSTEMS ARE NOT ALLOWED WITHIN THE PUBLIC RIGHT-OF-WAY.
30. AT LEAST ONE PERSON ON A PROJECT OR SITE MUST HAVE COMPLETED THE LEVEL 1A EROSION EDUCATION & TRAINING COURSE AND BE CERTIFIED BY GSWCC.
31. SUBCONTRACTORS MUST COMPLETE EITHER LEVEL 1A EROSION EDUCATION & TRAINING COURSE OR ATTEND SUBCONTRACTOR AWARENESS SEMINAR.

GEORGIA811 www.Georgia811.com
Know what's below. Call before you dig.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

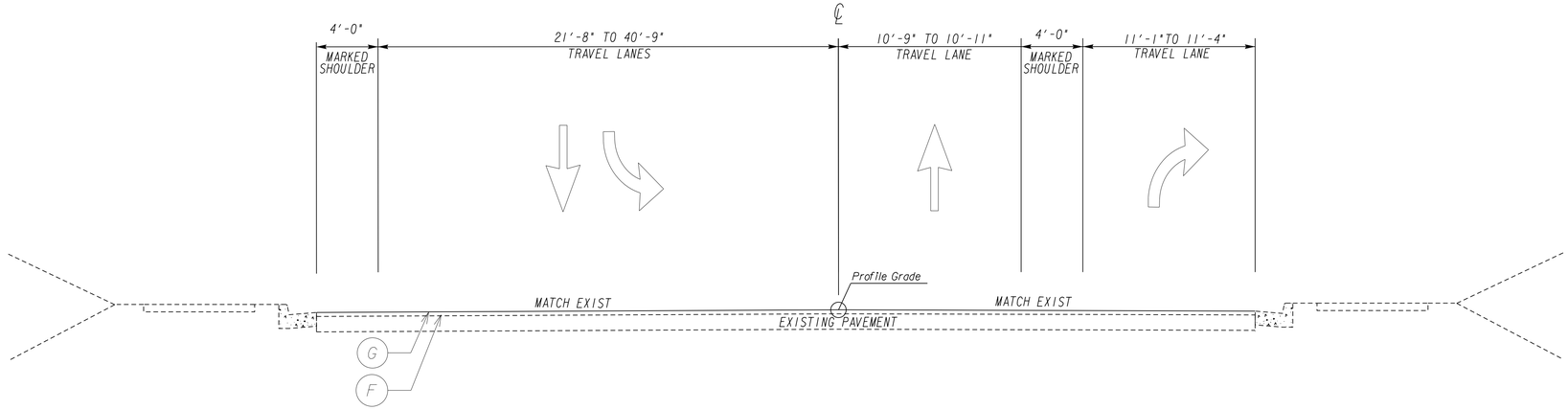
GENERAL NOTES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
04-0002

TS01

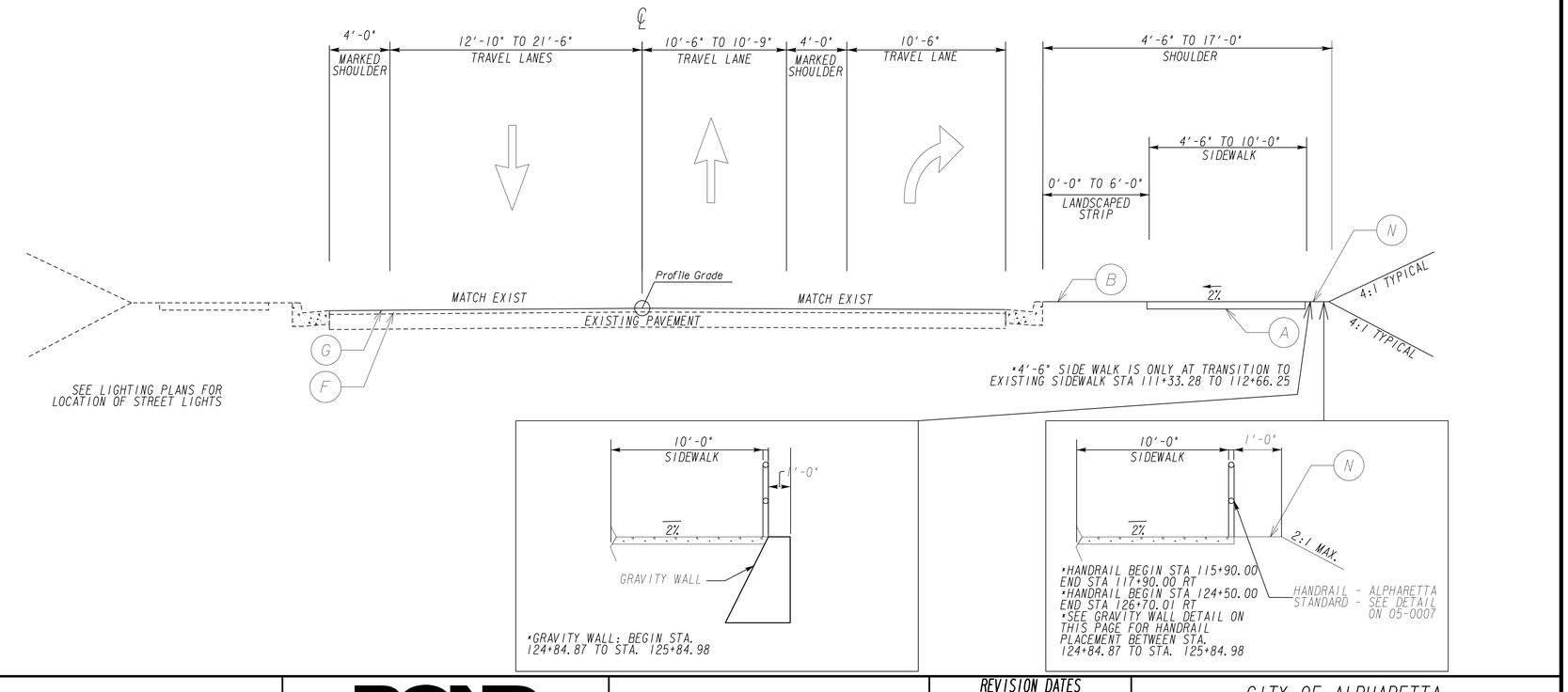
STA 109+39.27 TO STA 111+33.28
WEBB BRIDGE ROAD



TS02

STA 111+33.28 TO STA 126+70.01
WEBB BRIDGE ROAD

- (A) - CONCRETE SIDEWALK, 4 IN
- (B) - LANDSCAPE STRIP
- (C) - 6"X 24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- (D) - GR AGGR BASE CRS, INCL MATL - 12 INCH DEPTH
- (E) - CONC DOWELED INTEGRAL CURB TYPE 2
- (F) - MILL ASPH CONC PVMT 1.5 INCH DEPTH
- (G) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 165 LBS/SY, 1.5 IN DEPTH
- (H) - RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 220 LBS/SY, 2.0 IN DEPTH
- (I) - RECYCLED ASPH CONC LEVELING, INCL BITM MATL & H LIME
- (J) - PAVEMENT REINFORCEMENT (SEE DETAIL ON 05-0007)
- (K) - 6" CONC HEADER CURB, TP 2, GA STD 9032B
- (L) - GR AGGR BASE CRS, 6 INCH, INCL MATL
- (M) - RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 385 LBS/SY, 3.5 IN DEPTH
- (N) - SOD



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

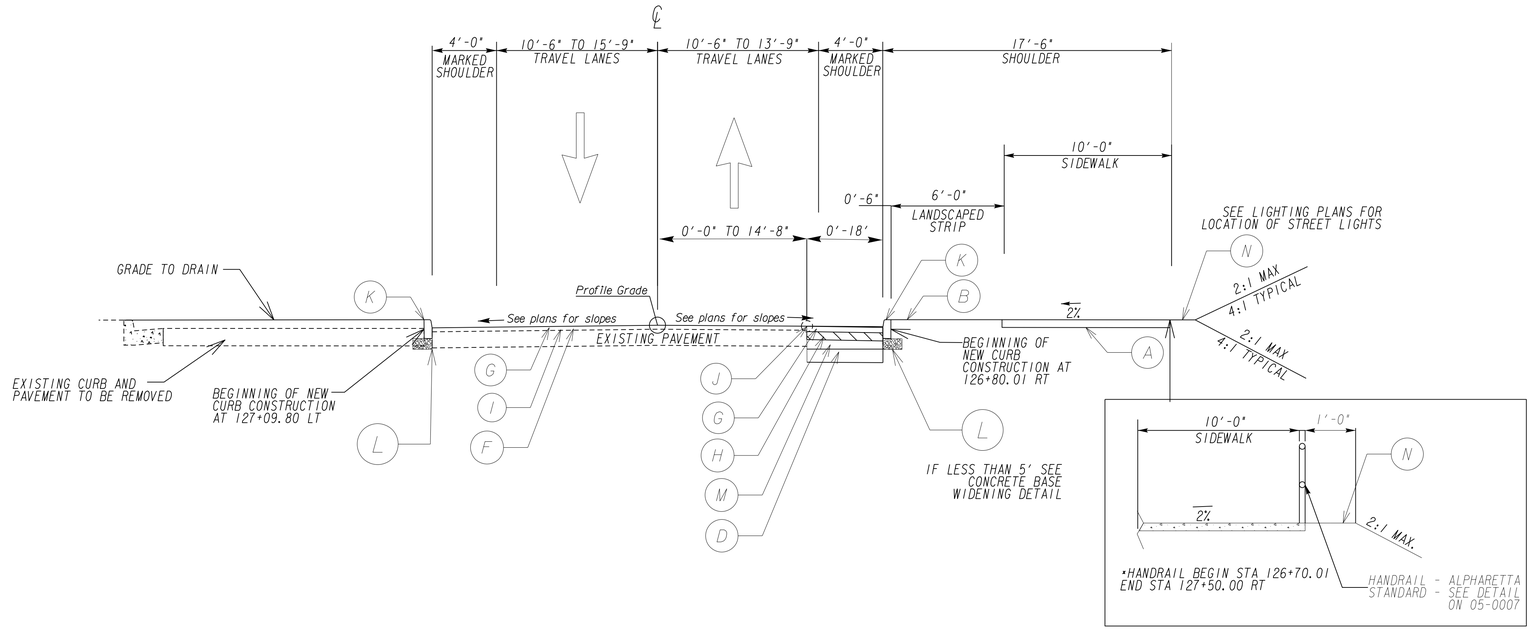
TYPICAL SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
05-0001

TS03

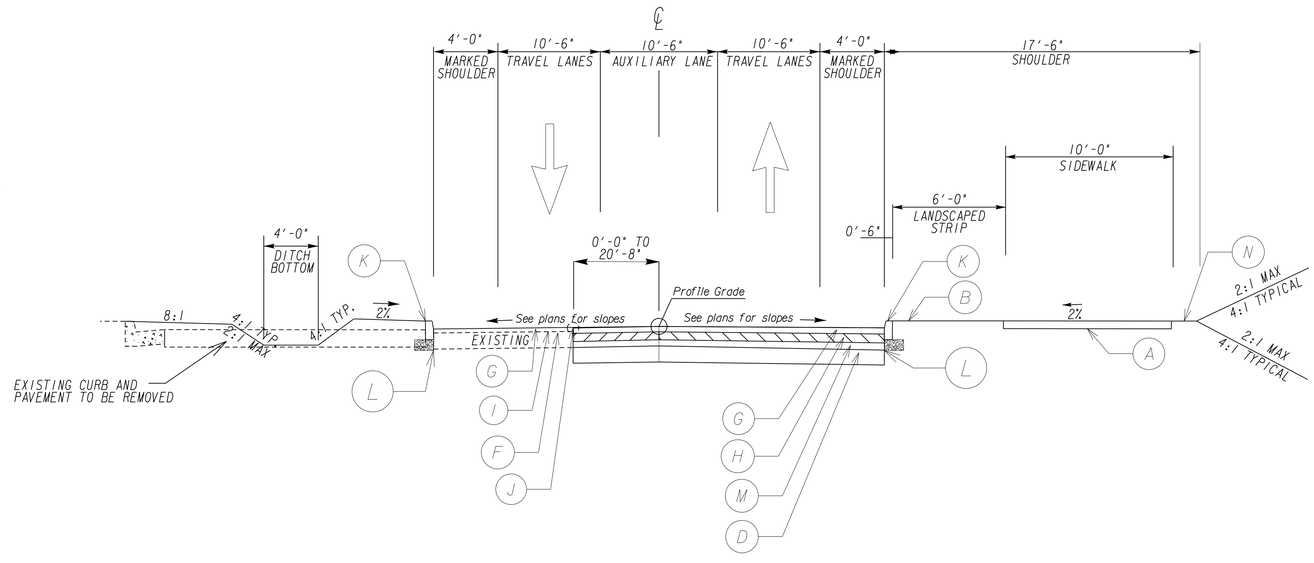
STA 126+70.01 TO STA 128+58.53
WEBB BRIDGE ROAD



TS04

STA 128+58.53 TO STA 130+30.66
WEBB BRIDGE ROAD

- (A) - CONCRETE SIDEWALK, 4 IN
- (B) - LANDSCAPE STRIP
- (C) - 6"X 24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- (D) - GR AGGR BASE CRS, INCL MATL - 12 INCH DEPTH
- (E) - CONC DOWELED INTEGRAL CURB TYPE 2
- (F) - MILL ASPH CONC PVMT 1.5 INCH DEPTH
- (G) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 165 LBS/SY, 1.5 IN DEPTH
- (H) - RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 220 LBS/SY, 2.0 IN DEPTH
- (I) - RECYCLED ASPH CONC LEVELING, INCL BITM MATL & H LIME
- (J) - PAVEMENT REINFORCEMENT (SEE DETAIL ON 05-0007)
- (K) - 6" CONC HEADER CURB, TP 2, GA STD 9032B
- (L) - GR AGGR BASE CRS, 6 INCH, INCL MATL
- (M) - RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 385 LBS/SY, 3.5 IN DEPTH
- (N) - SOD



		POND Architects ▪ Engineers ▪ Planners; THE CITY OF ALPHARETTA GEORGIA	NTS

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

TYPICAL SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

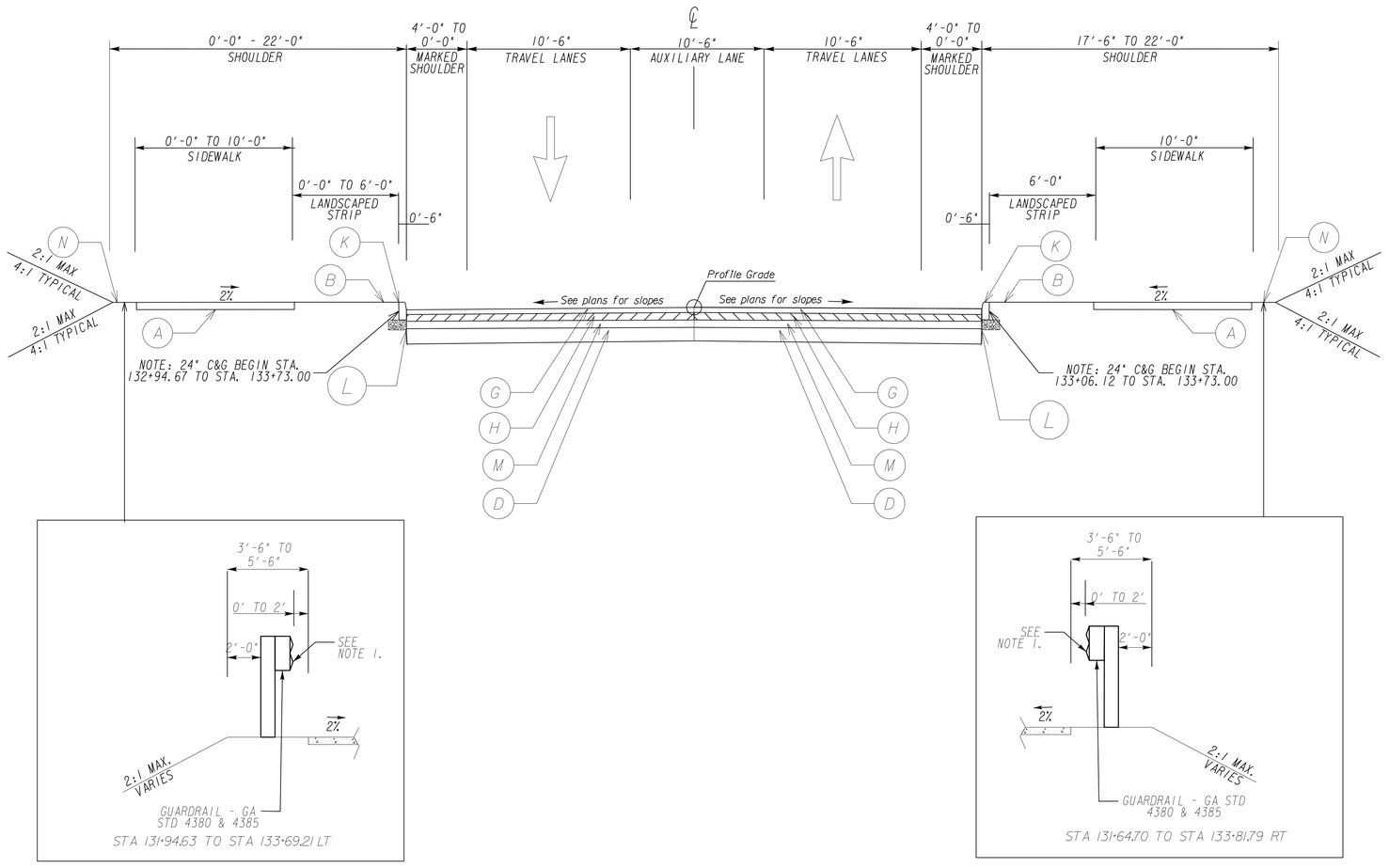
DRAWING No. 05-0002

TS05

STA 130+30.66 TO STA 133+73.00
WEBB BRIDGE ROAD

•EXISTING CURB AND PAVEMENT TO BE REMOVED

•SIDEWALK RT BEGINS AT STA 131+64.05





STA 131+98.58 TO STA 133+56.65 LT

STA 131+94.63 TO STA 133+69.21 LT

STA 131+64.70 TO STA 133+81.79 RT

- (A) - CONCRETE SIDEWALK, 4 IN
- (B) - LANDSCAPE STRIP
- (C) - 6"X 24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- (D) - GR AGGR BASE CRS, INCL MATL - 12 INCH DEPTH
- (E) - CONC DOWELED INTEGRAL CURB TYPE 2
- (F) - MILL ASPH CONC PVMT 1.5 INCH DEPTH
- (G) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 165 LBS/SY, 1.5 IN DEPTH
- (H) - RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 220 LBS/SY, 2.0 IN DEPTH
- (I) - RECYCLED ASPH CONC LEVELING, INCL BITM MATL & H LIME
- (J) - PAVEMENT REINFORCEMENT (SEE DETAIL ON 05-0007)
- (K) - 6" CONC HEADER CURB, TP 2, GA STD 9032B
- (L) - GR AGGR BASE CRS, 6 INCH, INCL MATL
- (M) - RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 385 LBS/SY, 3.5 IN DEPTH
- (N) - SOD

NOTE:
1. GUARDRAIL TO BE NON-GALVANIZED AND PAINTED "SHERWIN-WILLIAMS WELL BRED BROWN (SW 7027)" AS DIRECTED BY THE ENGINEER.
2. AREA UNDER GUARDRAIL WILL BE STABILIZED WITH PINE STRAW, 3" THICK.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

TYPICAL SECTIONS

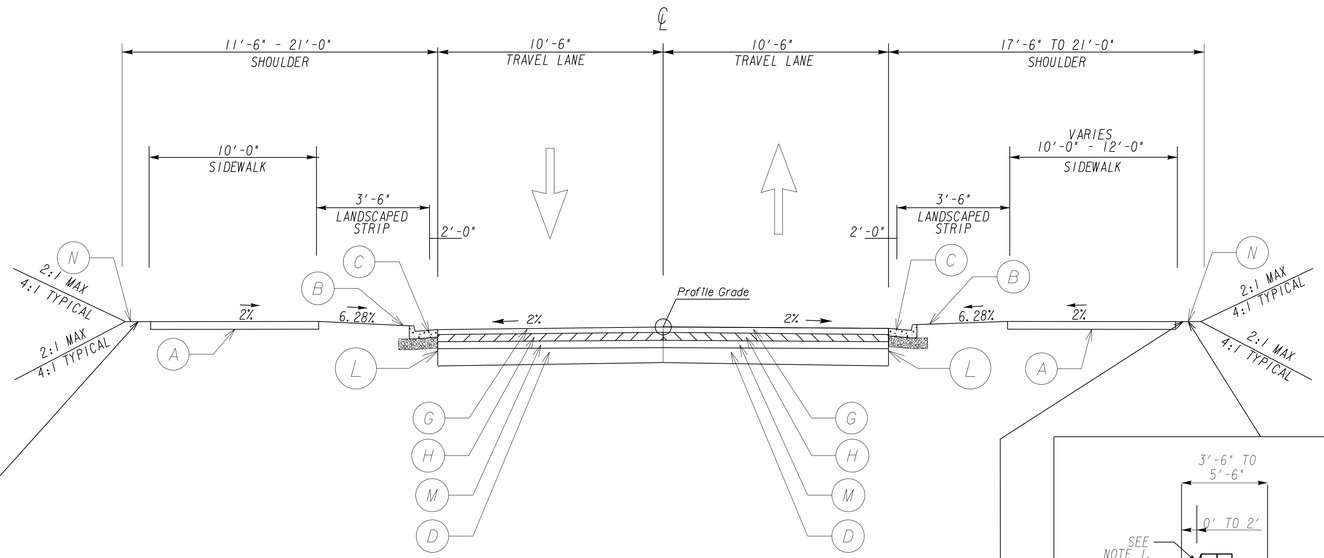
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

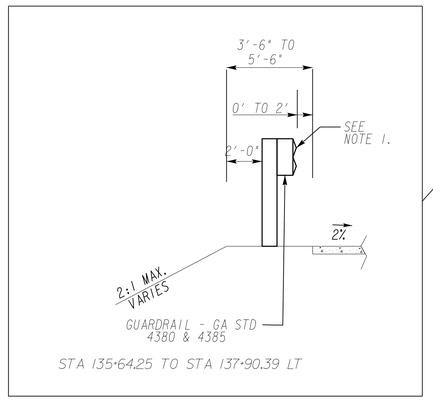
DRAWING No.
05-0003

TS06

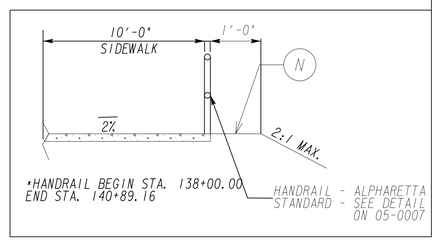
STA 135+73.00 TO STA 140+89.16
WEBB BRIDGE ROAD

*BRIDGE BEGINS AT STA 133+73.00 AND ENDS AT STA 135+73.00 SEE BRIDGE PLANS SHEET 35-0005 FOR BRIDGE TYPICAL SECTION



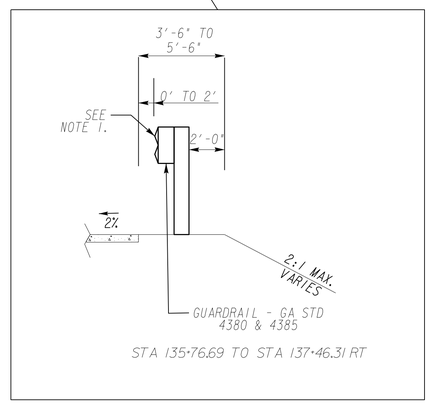


STA 135+64.25 TO STA 137+90.39 LT



*HANDRAIL BEGIN STA. 138+00.00
END STA. 140+89.16

HANDRAIL - ALPHARETTA STANDARD - SEE DETAIL ON 05-0007



STA 135+76.69 TO STA 137+46.31 RT

- (A) - CONCRETE SIDEWALK, 4 IN
- (B) - LANDSCAPE STRIP
- (C) - 6"X 24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- (D) - GR AGGR BASE CRS, INCL MATL - 12 INCH DEPTH
- (E) - CONC DOWELED INTEGRAL CURB TYPE 2
- (F) - MILL ASPH CONC PVMT 1.5 INCH DEPTH
- (G) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 165 LBS/SY, 1.5 IN DEPTH
- (H) - RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 220 LBS/SY, 2.0 IN DEPTH
- (I) - RECYCLED ASPH CONC LEVELING, INCL BITM MATL & H LIME
- (J) - PAVEMENT REINFORCEMENT (SEE DETAIL ON 05-0007)
- (K) - 6" CONC HEADER CURB, TP 2, GA STD 9032B
- (L) - GR AGGR BASE CRS, 6 INCH, INCL MATL
- (M) - RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 385 LBS/SY, 3.5 IN DEPTH
- (N) - SOD

NOTE:
1. GUARDRAIL TO BE NON-GALVANIZED AND PAINTED "SHERWIN-WILLIAMS WELL BRED BROWN (SW 7027)" AS DIRECTED BY THE ENGINEER.
2. AREA UNDER GUARDRAIL WILL BE STABILIZED WITH PINE STRAW, 3" THICK.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

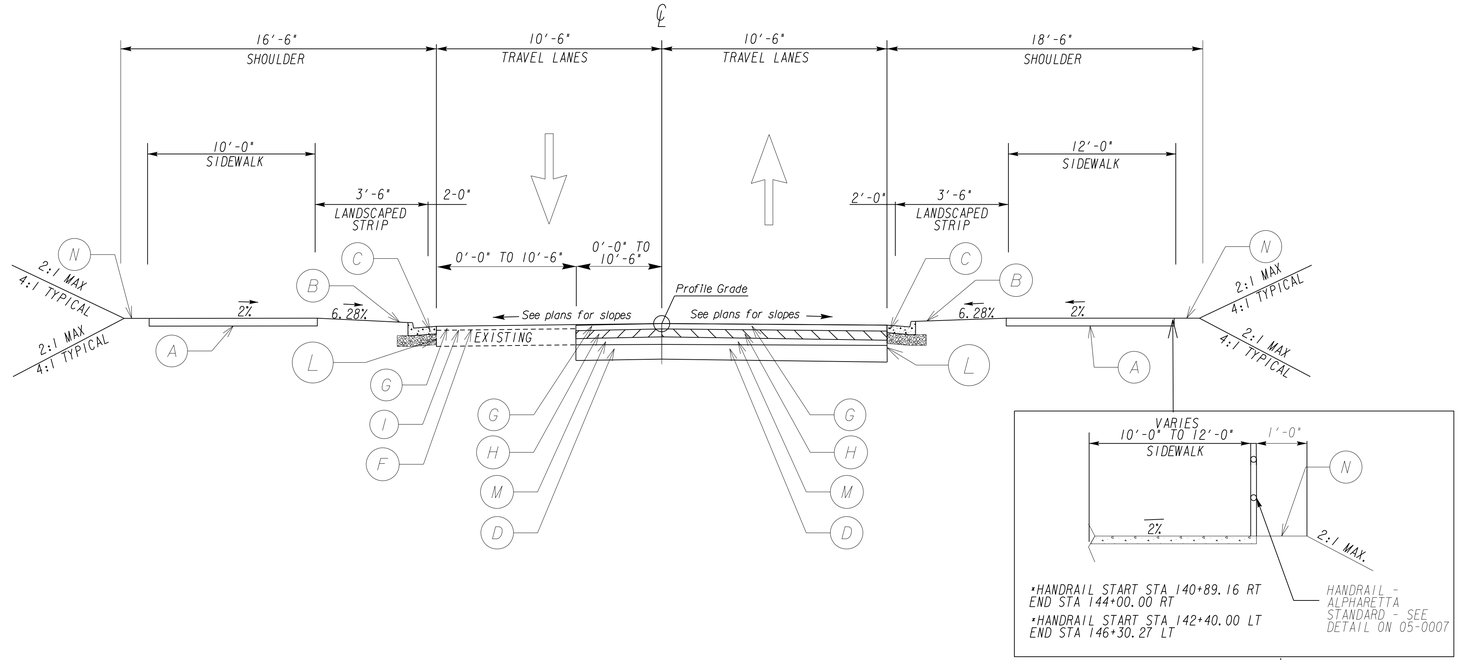
TYPICAL SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
05-0004

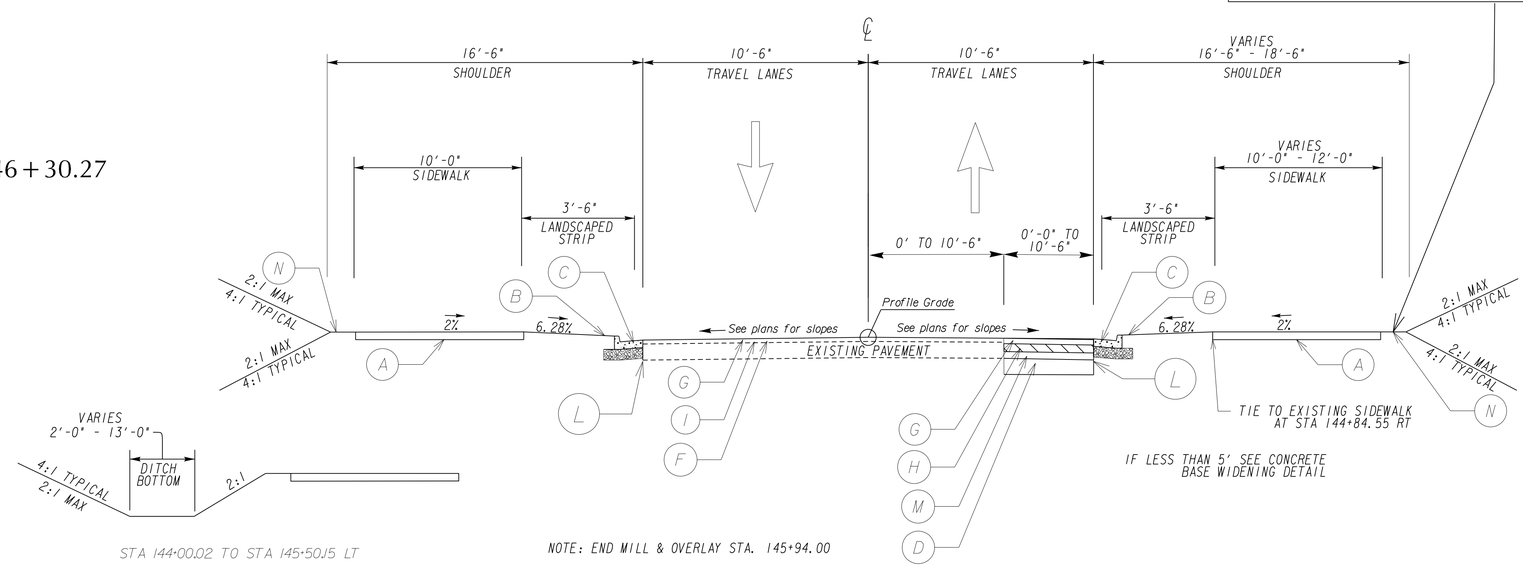
TS07

STA 140+89.16 TO STA 142+03.20



TS08

STA 142+03.20 TO STA 146+30.27



- (A) - CONCRETE SIDEWALK, 4 IN
- (B) - LANDSCAPE STRIP
- (C) - 6"X 24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- (D) - GR AGGR BASE CRS, INCL MATL - 12 INCH DEPTH
- (E) - CONC DOWELED INTEGRAL CURB TYPE 2
- (F) - MILL ASPH CONC PVMT 1.5 INCH DEPTH
- (G) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 165 LBS/SY, 1.5 IN DEPTH
- (H) - RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 220 LBS/SY, 2.0 IN DEPTH
- (I) - RECYCLED ASPH CONC LEVELING, INCL BITM MATL & H LIME
- (J) - PAVEMENT REINFORCEMENT (SEE DETAIL ON 05-0007)
- (K) - 6" CONC HEADER CURB, TP 2, GA STD 9032B
- (L) - GR AGGR BASE CRS, 6 INCH, INCL MATL
- (M) - RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 385 LBS/SY, 3.5 IN DEPTH
- (N) - SOD

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

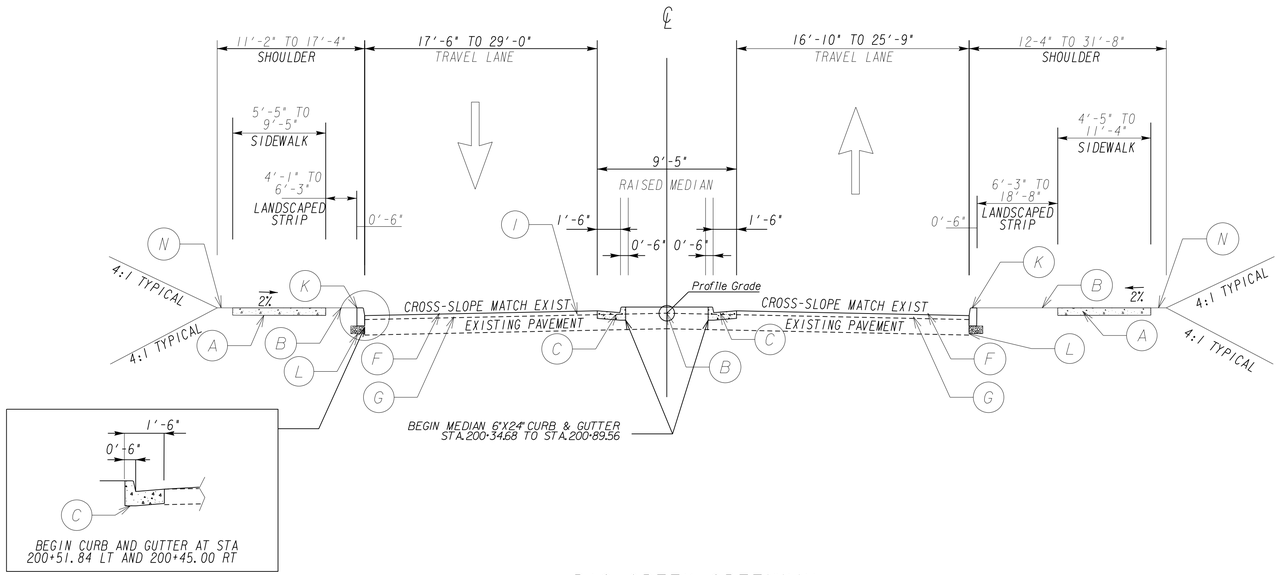
TYPICAL SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
05-0005

TS09

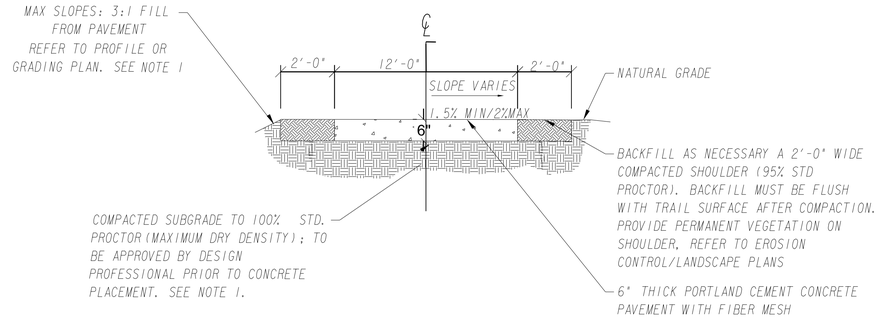
STA 200+20.20 TO STA 201+00.71
STRATH DRIVE



TS10

STA 300+46.32 TO 302+87.75
BIG CREEK GREENWAY CONNECTION
CONCRETE TRAIL– WEAK SUBGRADE

BIG CREEK GREENWAY



- (A) - CONCRETE SIDEWALK, 4 IN
- (B) - LANDSCAPE STRIP
- (C) - 6"X 24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- (D) - GR AGGR BASE CRS, INCL MATL - 12 INCH DEPTH
- (E) - CONC DOWELED INTEGRAL CURB TYPE 2
- (F) - MILL ASPH CONC PVMT 1.5 INCH DEPTH
- (G) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 165 LBS/SY, 1.5 IN DEPTH
- (H) - RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 220 LBS/SY, 2.0 IN DEPTH
- (I) - RECYCLED ASPH CONC LEVELING, INCL BITM MATL & H LIME
- (J) - PAVEMENT REINFORCEMENT (SEE DETAIL ON 05-0007)
- (K) - 6" CONC HEADER CURB, TP 2, GA STD 9032B
- (L) - GR AGGR BASE CRS, 6 INCH, INCL MATL
- (M) - RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME - 385 LBS/SY, 3.5 IN DEPTH
- (N) - SOD

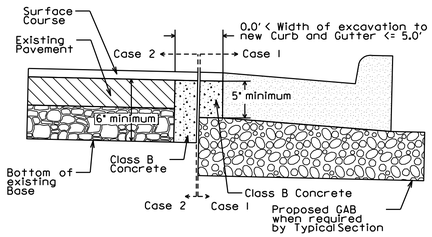
NOTES:
1. THE CONTRACTOR SHALL INSURE THAT THE TRAIL SECTION DOES NOT EXCEED THE 2% MAXIMUM CROSS-SLOPE CRITERIA. IF EXISTING GRADES IN THE FIELD DICTATE A STEEPER CROSS-SLOPE, THEN THE LOWER SIDE OF TRAIL SECTION SHALL MATCH EXISTING GRADE, AND THE COMPACTED SUBGRADE SHOULDERS SHALL BE TRANSITIONED (3:1 MAX.) TO MAINTAIN THE 2% MAX. CROSS-SLOPE REQUIREMENT ACROSS TRAIL SECTION.
2. CONCRETE TRAIL TO HAVE SAW-CUT CONTROL JOINTS IN SQUARES EQUAL TO TRAIL WIDTH, BUT NOT TO EXCEED 10' SPACING BETWEEN JOINTS.
3. PLACE EXPANSION JOINTS ALONG THE CONCRETE TRAIL AT REGULAR INTERVALS NOT MORE THAN 30' APART AS WELL AS BETWEEN ALL RIGID FIXED OBJECTS AND THE NEW CONCRETE TRAIL.
4. COST OF FIBER MESH TO BE INCLUDED IN PRICE OF CONCRETE. SIDEWALK 6 INCH

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
TYPICAL SECTIONS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 05-0006



NO SCALE

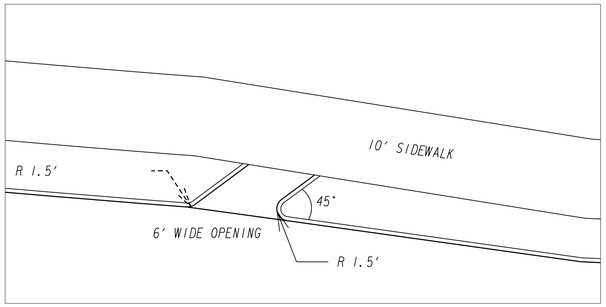
CLASS "B" CONCRETE BASE FOR PAVEMENT WIDENING

Item Code 500-9999 - CY Unit of Measure

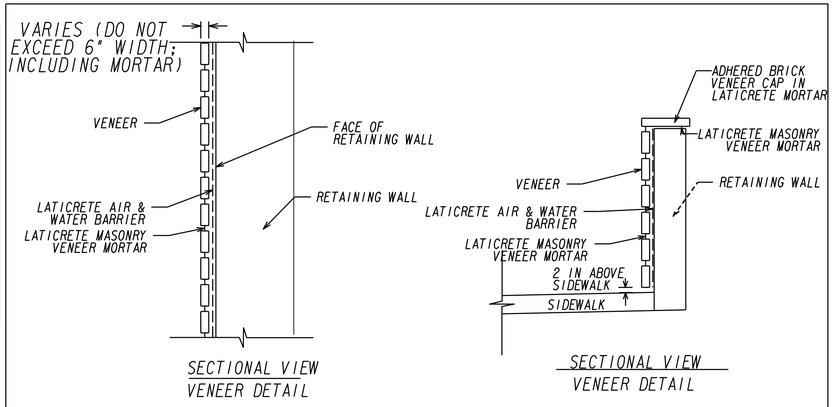
Case 1:
Where GAB is required under the new Curb and Gutter and the depth of proposed paving between the top of the GAB and the bottom of the surface course is 5 inches or greater, Class B concrete shall be placed in lieu of the paving between the GAB and surface courses specified by the typical section.

Case 2:
Where GAB is not required under the new Curb and Gutter and/or the depth of proposed paving between the top of the Base and the bottom of the surface course is less than 5 inches, Class B concrete shall be placed beneath the proposed surface course to the depth of either the bottom of the existing base course, the bottom of the Base specified by the typical section, or to a depth of 6 inches: whichever is greater.

CLASS "B" CONCRETE BASE FOR WIDENING DETAIL



BIKE RAMP DETAIL

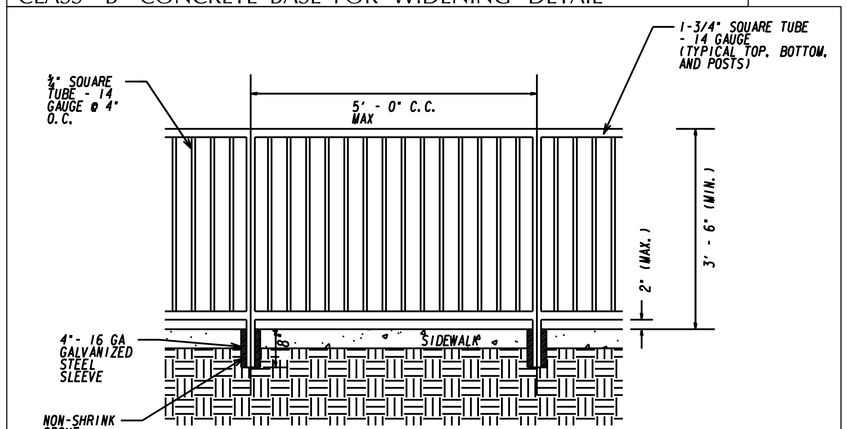


VENEER NOTES:

1. *PAYMENT OF VENEER WILL INCLUDE ALL INCIDENTAL ITEMS FOR THE INSTALLATION OF VENEER PER DETAILS. THIS SHALL INCLUDE, BUT NOT LIMITED TO VENEER, LATICRETE MASONRY VENEER MORTAR, LATICRETE AIR & WATER BARRIER, AND VENEER ACCESSORIES SUCH AS VENEER CAP AND VENEER CORNERS.*
2. *CONTRACTOR TO PROVIDE SAMPLE OF VENEER FOR CLIENT APPROVAL. COLOR TO MATCH EXISTING FACADE CONDITIONS ALONG ROADWAY.*

VEENER DETAILS

N.T.S.

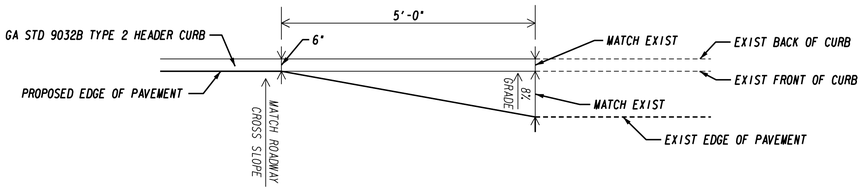


NOTES:
1. HANDRAIL SHALL HAVE A BLACK POWDER-COAT FINISH
2. ALL POST SHALL BE PLUMB AND RAILS PARALLEL TO THE GROUND.
3. ALL INCIDENTAL ITEMS TO INSTALL HANDRAIL SHALL BE PAID UNDER HANDRAIL PAY ITEM, LINEAR FEET.

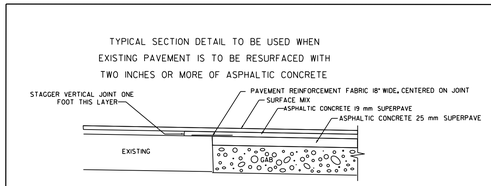
HAND RAIL DETAIL

N.T.S

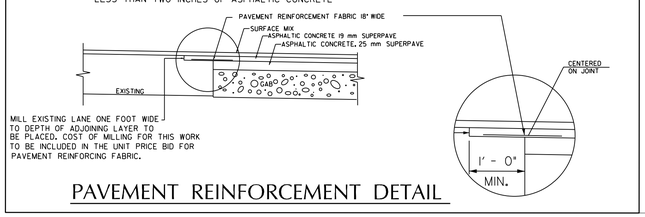
TRANSITION FROM 6" HEADER CURB TO EXISTING CURB & GUTTER



TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH TWO INCHES OR MORE OF ASPHALTIC CONCRETE

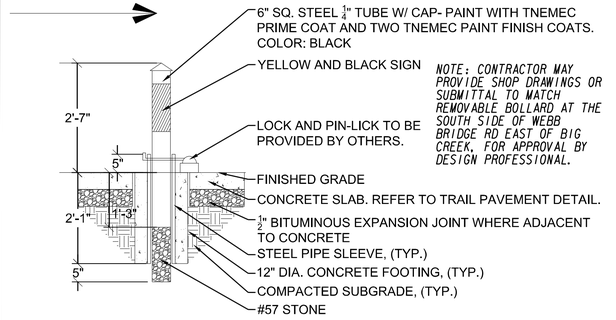


TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH LESS THAN TWO INCHES OF ASPHALTIC CONCRETE



PAVEMENT REINFORCEMENT DETAIL

DIRECTION OF TRAVEL



NOTE: CONTRACTOR MAY PROVIDE SHOP DRAWINGS OR SUBMITTAL TO MATCH REMOVABLE BOLLARD AT THE SOUTH SIDE OF WEBB BRIDGE RD EAST OF BIG CREEK, FOR APPROVAL BY DESIGN PROFESSIONAL.

REMOVABLE STEEL BOLLARD DETAIL

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES		

CITY OF ALPHARETTA

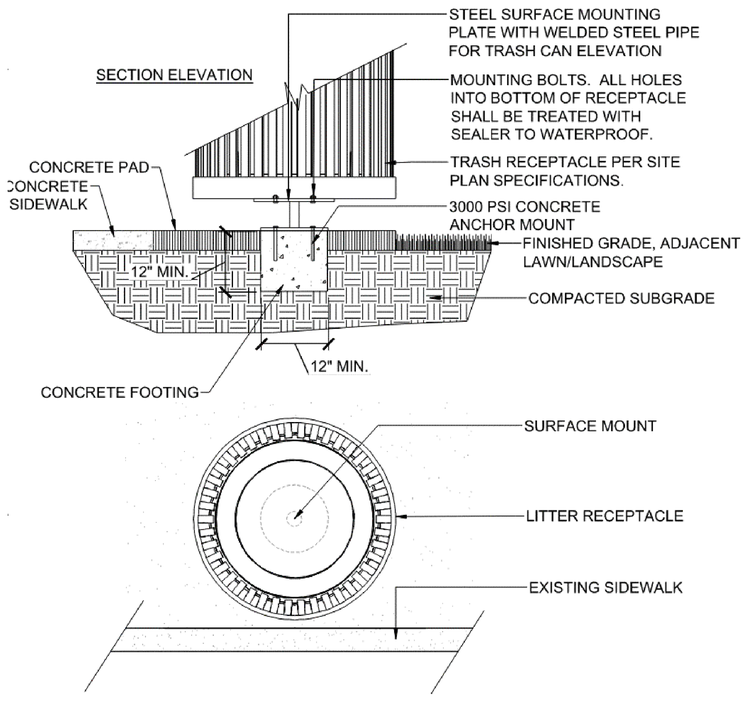
OFFICE: PUBLIC WORKS

TYPICAL SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
05-0007

TRASH RECEPTICLE



NOTE:
1. ELEVATED SURFACE MOUNT IS TO SHOW DESIGN INTENT ONLY. CONTRACTOR TO PROVIDE MANUFACTURING SOURCE OR SHOP DRAWINGS FOR APPROVAL TO OWNER'S REPRESENTATIVE.
2. REFER TO SITE FURNISHINGS SCHEDULE FOR TRASH RECEPTACLE TYPE ON A3/C-503.

A1 TRASH RECEPTACLE

SCALE: N.T.S.

SITE FURNISHING SCHEDULE

ITEM	QUANTITY	MODEL NO.	COLOR	MANUFACTURER	COMMENTS
TRASH RECEPTACLE	1	TRH-32	Green Top Standard Frame	Pilot Rock-R.J. Thomas Mfg. Co. Inc. P.O.Box 946 Cherokee, IA 51012-0946	100% recycled slats with M3/G surface pedestal mount. Model CNG-2310C galvanized steel can liner. Plastic dome lid Model CN-SDR/-24, green (N) finish. Cedar (PC) recycled plastic slats. Fasteners shall be galvanized (ASTM-A123) or zinc coated steel bolts.

SITE FURNISHING SCHEDULE

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

TYPICAL SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 05-0008

SUMMARY OF QUANTITIES

ROADWAY QUANTITIES

UNITS STA	UNITS TO	ROCK EMBANKMENT	GR AGGR BASE CRS, 6 INCH, INCL MATL	GR AGGR BASE CRS, 12 INCH, INCL MATL	AGGR SURF CRS	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2,INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER MODIFIED BITUM MATL & H LIME	TACK COAT	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	CLASS B CONC, BASE OR PVMT WIDENING
		CY	SY	SY	TN	SY	TN	TN	TN	TN	TN	GL	LF	CY
108+39.27	118+00.00	0	0	0	10	4,750	4	0	0	0	392	380	0	0
118+00.00	126+50.00	0	153	0	10	4,481	4	0	0	0	370	359	0	20
126+50.00	134+00.00	380	196	2,058	10	1,112	3	0	396	226	264	419	422	5
134+00.00	146+30.27	2,654	884	1,433	10	891	2	102	276	158	194	300	312	4
TOTALS		3,034	1,233	3,491	40	11,234	13	102	672	384	1,220	1,459	734	29

*AGGREGATE SURF COURSE TO BE DIRECTED BY ENGINEER.
*ASPHALT PATCHING TO BE DIRECTED BY ENGINEER.

MISCELLANEOUS PROJECT ITEMS	
DESCRIPTION	UNIT
TRAFFIC CONTROL	LS
GRADING COMPLETE	LS
IRRIGATION SYSTEM	LS

MISCELLANEOUS PROJECT ITEMS		
DESCRIPTION	UNIT	QTY
BOLLARDS	EA	1
TRASH RECEPTACLE	EA	1
RIGHT OF WAY MARKERS	EA	17

DESCRIPTION	UNIT	QUANTITY
STN DUMPED RIP RAP, TP 1, 36 IN	SY	23
STN DUMPED RIP RAP, TP 3, 18 IN	SY	74
PLASTIC FILTER FABRIC	SY	97

FULTON COUNTY PROPOSED WATERLINE		
DESCRIPTION	UNIT	QTY
TEMPORARY SILT FENCE, TYPE C(171-0030)	LF	1400
CLASS A CONCRETE(500-3101)	CY	10
FLOWABLE FILL(600-0001)	CY	5
ADJUST MANHOLE TO GRADE(611-8050)	EA	1
ADJUST WATER METER BOX TO GRADE(611-8120)	EA	1
ADJUST WATER VALVE BOX TO GRADE(611-8140)	EA	5
WATER MAIN, 6 IN	LF	20
WATER MAIN, 8 IN	LF	1405
CUT & PLUG EXISTING WATER MAIN	EA	2
INSERTION VALVE -	EA	2
GATE VALVE, 8 IN	EA	3
FIRE HYDRANT	EA	3
RELOCATE EXIST WATER VALVE, INCL BOX	EA	2
REMOVE EXISTING FIRE HYDRANT	EA	3
REMOVE AND REPLACE EXT. WATER VAULT INCL METER AND BYPASS	EA	1

REINF CONC APPROACH SLAB, INCL CURB		
STATION TO STATION		UNIT
STA	TO	SY
133+43.00	133+73.00	161.4
136+03.00	135+73.00	161.4
TOTAL		323

CLASS B CONCRETE, RETAINING WALL		
STATION TO STATION		UNIT
STA	TO	CY
124+84.88	125+85.00	33
TOTAL		33

MISCELLANEOUS CONSTRUCTION ITEMS		
DESCRIPTION	UNIT	QTY
CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	EA	4

RESET GATE		
STATION	UNIT	QTY
137+54.16	EA	1

CONC VALLEY GUTTER, 6 IN		
STATION TO STATION		UNIT
STA	TO	SY
108+39.27	118+00.00	0
118+00.00	126+50.00	0
126+50.00	134+00.00	16
134+00.00	146+30.27	13
TOTAL		29

*SEE 25 SERIES PLANS FOR LIGHTING QUANTITIES
*SEE 27 SERIES SIGNAL PLANS FOR SIGNAL QUANTITIES
*SEE 28 SERIES PLANS FOR ITS QUANTITIES
*SEE 29 SERIES PLANS FOR LANDSCAPING QUANTITIES
*SEE 35 SERIES PLANS FOR BRIDGE QUANTITIES

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SUMMARY QUANTITIES
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
06-0001

SUMMARY OF QUANTITIES

DRIVEWAY CONCRETE, 6 IN TK		
STATION TO STATION		UNIT
STA	TO	SY
108+39.27	118+00.00	0
118+00.00	126+50.00	0
126+50.00	134+00.00	16
134+00.00	146+30.27	351
TOTAL		367

CONC SIDEWALK, 8 IN		
STATION TO STATION		UNIT
STA	TO	SY
108+39.27	118+00.00	0
118+00.00	126+50.00	64
126+50.00	134+00.00	23
134+00.00	146+30.27	0
TOTAL		87

CONC CURB & GUTTER, 6 IN X 24 IN, TP 2		
STATION TO STATION		UNIT
STA	TO	LF
108+39.27	118+00.00	0
118+00.00	126+50.00	116
126+50.00	134+00.00	235
134+00.00	146+30.27	1,842
TOTAL		2,194

GUARDRAIL, TP W		
STATION TO STATION		UNIT
STA	TO	0
108+39.27	118+00.00	0
118+00.00	126+50.00	0
126+50.00	134+00.00	167
134+00.00	146+30.27	220
TOTAL		387

CONC SIDEWALK, 4 IN		
STATION TO STATION		UNIT
STA	TO	SY
108+39.27	118+00.00	688
118+00.00	126+50.00	830
126+50.00	134+00.00	1,021
134+00.00	146+30.27	2,274
TOTAL		4,813

CONCRETE MEDIAN, 7 1/2 IN		
STATION TO STATION		UNIT
STA	TO	SY
108+39.27	118+00.00	0
118+00.00	126+50.00	153
126+50.00	134+00.00	0
134+00.00	146+30.27	0
TOTAL		153

HANDRAIL - ALPHARETTA STANDARD		
STATION TO STATION		UNIT
STA	TO	LF
115+90.00	117+90.00	200
124+50.00	127+50.00	296
138+00.00	144+00.00	600
142+40.00	146+29.18	412
TOTAL		1,508

GUARDRAIL ANCHORAGE, TP 1		
STATION TO STATION		UNIT
STA	TO	EA
108+39.27	118+00.00	0
118+00.00	126+50.00	0
126+50.00	134+00.00	1
134+00.00	146+30.27	2
TOTAL		3

CONC SIDEWALK, 6 IN*		
BIG CREEK GREENWAY		
STATION TO STATION		UNIT
STA	TO	SY
108+39.27	118+00.00	0
118+00.00	126+50.00	0
126+50.00	134+00.00	0
134+00.00	146+30.27	334
TOTAL		334

*NOTE: THE 6" SIDEWALK INCLUDES WIRE MESH, SEE TYPICAL SECTIONS FOR MORE DETAILS

CONCRETE HEADER CURB, 6 IN, TP 2		
STATION TO STATION		UNIT
STA	TO	LF
108+39.27	118+00.00	0
118+00.00	126+50.00	0
126+50.00	134+00.00	1,166
134+00.00	146+30.27	0
TOTAL		1,166

GUARDRAIL, TP T		
STATION TO STATION		UNIT
STA	TO	0
108+39.27	118+00.00	0
118+00.00	126+50.00	0
126+50.00	134+00.00	162
134+00.00	146+30.27	142
TOTAL		304

GUARDRAIL ANCHORAGE, TP 12A, 31 IN, TANGENT, ENERGY-ABSORBING		
STATION TO STATION		UNIT
STA	TO	EA
108+39.27	118+00.00	0
118+00.00	126+50.00	0
126+50.00	134+00.00	1
134+00.00	146+30.27	1
TOTAL		2

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SUMMARY QUANTITIES
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 06-0002

SUMMARY OF QUANTITIES

DRAINAGE QUANTITIES

STRUCTURE NUMBER	LOCATION			STORM DRAIN PIPE		F.E.S.		CATCH BASIN, DROP INLET AND MANHOLE							
				FEET	FEET	FEET	FEET								
				STORM DRAIN PIPE, 18 IN, H 1-10	STORM DRAIN PIPE, 24 IN, H 1-10	FLARED END SECTION 18 IN, STORM DRAIN	FLARED END SECTION 24 IN, STORM DRAIN	CATCH BASIN, GP 1	CATCH BASIN, GP 1	STORM SEWER MANHOLE, TP 1	STORM SEWER MANHOLE, TP 1	STORM SEWER MANHOLE, TP 1		DROP INLET, GP 1	DROP INLET, GP 1
				6' 0" DEEP OR LESS	ADD'L DEPTH	6' 0" DEEP OR LESS	ADD'L DEPTH CLASS I	ADD'L DEPTH CLASS II	RECONSTRUCT CATCH BASIN	6' 0" DEEP OR LESS	ADD'L DEPTH				
	STA	O/S (FT)	SIDE	LF	LF	EA	EA	EA	LF	EA	LF	LF	EA	EA	LF
A0	126+39.96	56.67	RT		19		1								
A1	126+44.26	33.64	RT							1		6			
B0	128+70.76	54.36	RT		39		1								
B1	128+43.37	22.07	RT		55			1	1						
B2	128+43.86	33.06	LT							1	1				
C0	130+87.83	55.43	RT	30		1									
C1	130+75.64	23.25	RT	61				1	1						
C2	130+87.28	37.04	LT	33										1	1
C3	131+11.53	57.90	LT	27				1	1						
C3.1	131+36.49	55.51	LT	27				1	1						
C4	131+63.92	53.86	LT					1							
D0	133+24.98	50.30	RT	28		1									
D1	133+18.43	18.71	RT	40				1	2						
D1.2	132+00.00	27.17	RT	118				1							
D2	133+07.81	19.20	LT					1							
E0	136+39.32	45.93	RT	28		1									
E1	136+34.57	14.75	RT	30				1	1						
E2	136+31.87	14.65	LT					1							
F0	137+97.42	44.77	RT	27		1									
F1	137+90.60	14.63	RT	30				1	4						
F2	137+84.14	14.65	LT					1	1						
G0	139+32.70	32.41	RT	28		1									
G1	139+26.01	14.63	RT	30				1	4						
G2	139+20.27	14.65	LT					1	2						
H0	140+23.85	44.47	RT	26		1									
H1	140+23.41	14.64	RT	29				1	3						
H2	140+24.06	14.67	LT					1	2						
I0	141+66.87	38.34	RT	19		1									
I1	141+66.80	15.52	RT	31				1	1						
I2	141+65.70	15.48	LT					1	1						
J0	142+98.77	35.44	RT	17		1									
J1	143+01.04	14.84	RT					1							
K0	144+02.91	41.10	RT	23		1									
K1	143+99.99	14.79	RT					1							
L1	144+89.51	14.84	RT		29								1		
L2	144+98.11	13.34	LT		28					1		6			
L3	145+07.17	43.69	LT				1								
M1	145+73.07	14.82	LT	72				1	1						
*TEMPORARY DRAINAGE				202									4		
TOTALS				956	170	9	3	21	26	3	1	12	5	1	1

*REMOVAL OF THE TEMPORARY DRAINAGE TO BE COVERED IN TRAFFIC LS.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SUMMARY QUANTITIES
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 06-0003

SUMMARY OF QUANTITIES

STANDARD ROADSIDE SIGNS

HIGHWAY SIGNS													GALVANIZED STEEL POSTS
STATION	OFFSET	SIDE	SIGN CODE	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9				HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11				TYPE 9
				W	X	H	FT ^{2}	W	X	H	FT ^{2}	LENGTH (FEET)
WEBB BRIDGE RD MAIN CORRIDOR				**NON RED SERIES**				**RED SERIES**				
110+50.00	31.00	LT	W11-1	24		24	4					14
			W16-1P	18		24	3					
111+2.25	36.10	RT	R4-4	36		30	7.5					13
118+16.69	34.78	RT	R560-5	24		30	5					13
118+43.46	59.13	RT	R1-2					36		36	9	13
119+12.50	21.08	RT	W16-7P	24		12	2					14
			S1-1	36		36	9					
119+16.45	78.57	RT	R560-5	24		30	5					13
119+68.53	22.97	RT	R1-2					36		36	9	13
123+28.52	21.90	RT	R2-1	24		30	5					13
			S5-2	24		30	5					13
300+65.65	8.45	RT	W1-2R	18		18	2.25					12
302+04.42	8.32	LT	R2-1	18		24	3					12
			R9-6	12		18	1.5					12
			R9-7	12		18	1.5					12
302+73.82	11.30	LT	R5-3	24		24	4					12
302+74.75	12.97	RT	R1-1					36		36	9	13
TOTAL							**57.75**				**27**	**192**

NOTE: REFLECTIVE MATERIAL ON POST OF SCHOOL SIGNS SHALL BE PAID FOR WITH THE COST OF THE POST. COLOR OF REFLECTIVE MATERIAL SHALL MATCH SIGN (RED, YELLOW, OR WHITE).

DESCRIPTION	UNIT	QTY
REM SIGN	EA	8
RESET SIGN	EA	8
SIGNAL ASSEMBLY, FLASHING SCHOOL, COMPLETE	EA	2
PAVEMENT MARKING, BIKE SHARED LANE SYMBOL	EA	4
SOLID TRAF STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	LM	0.972
SKIP TRAF STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	GLM	0.065
THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	0
THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	15
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	3306
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	9986
THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	71
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	575
THERMOPLASTIC TRAF STRIPING, WHITE	SY	129
THERMOPLASTIC PVMT MARKING, WORD, TP 1	EA	3
THERMOPLASTIC PVMT MARKING, WORD, TP 3A	EA	2
PLASTIC FLEXBILE DELINEATOR, TP 2B	EA	17
PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	LF	520
PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	GLF	224
PREFORMED PLASTIC DOUBLE SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	LF	520
RAISED PAVEMENT MARKERS TP 1	EA	183
RAISED PAVEMENT MARKERS TP 3	EA	33
RAISED PAVEMENT MARKERS TP 10	EA	18
THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	902

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SUMMARY QUANTITIES
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 06-0004

SUMMARY OF QUANTITIES

TEMPORARY GRASSING		
STATION TO STATION		UNIT
STA	TO	AC
108+39.27	118+00.00	0.03
118+00.00	126+50.00	0.06
126+50.00	134+00.00	0.15
134+00.00	146+30.27	0.33
TOTAL		0.57

CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAND BAGS	
EROSION CONTROL STAGE	UNIT
	EA
INITIAL STAGE	0.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	5.00
FINAL STAGE	0.00
TOTAL	5.00

TEMPORARY SILT FENCE, TYPE C	
EROSION CONTROL STAGE	UNIT
	LF
INITIAL STAGE	10,878
INTERMEDIATE STAGE 1	2,698
INTERMEDIATE STAGE 2	0
FINAL STAGE	0
TOTAL	13,576

MAINTENANCE OF TEMPORARY SILT FENCE, TP C	
EROSION CONTROL STAGE	UNIT
	LF
INITIAL STAGE	10,878
INTERMEDIATE STAGE 1	2,698
INTERMEDIATE STAGE 2	0
FINAL STAGE	0
TOTAL	13,576

MULCH		
STATION TO STATION		UNIT
STA	TO	TN
108+39.27	118+00.00	0.60
118+00.00	126+50.00	1.25
126+50.00	134+00.00	3.03
134+00.00	146+30.27	6.55
TOTAL		11.42

CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	
EROSION CONTROL STAGE	UNIT
	EA
INITIAL STAGE	1
INTERMEDIATE STAGE 1	16
INTERMEDIATE STAGE 2	0
FINAL STAGE	0
TOTAL	17

MAINTENANCE OF INLET SEDIMENT TRAP	
EROSION CONTROL STAGE	UNIT
	EA
INITIAL STAGE	0.00
INTERMEDIATE STAGE 1	1.00
INTERMEDIATE STAGE 2	16.00
FINAL STAGE	0.00
TOTAL	17.00

CONSTRUCT AND REMOVE CONSTRUCTION EXIT	
EROSION CONTROL STAGE	UNIT
	EA
INITIAL STAGE	4
INTERMEDIATE STAGE 1	0
INTERMEDIATE STAGE 2	0
FINAL STAGE	0
TOTAL	4

CONSTRUCT AND REMOVE ROCK FILTER DAMS	
EROSION CONTROL STAGE	UNIT
	EA
INITIAL STAGE	3
INTERMEDIATE STAGE 1	0
INTERMEDIATE STAGE 2	0
FINAL STAGE	0
TOTAL	3

BARRIER FENCE (ORANGE), 4 FT COA STD L-6, TYPE B (ALL LOCATIONS)	
EROSION CONTROL STAGE	UNIT
	LF
INITIAL STAGE	6,010.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	0.00
FINAL STAGE	0.00
TOTAL	6,010.00

MAINTENANCE OF CONSTRUCTION EXIT	
EROSION CONTROL STAGE	UNIT
	EA
INITIAL STAGE	4.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	0.00
FINAL STAGE	0.00
TOTAL	4.00

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

SUMMARY QUANTITIES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 06-0005

SUMMARY OF QUANTITIES

MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA (PER EACH)	
EROSION CONTROL STAGE	UNIT
	EA
INITIAL STAGE	4.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	0.00
FINAL STAGE	0.00
TOTAL	4.00

EROSION CONTROL MATS, SLOPES		
STATION TO STATION		UNIT
STA	TO	SY
112+00.00	113+50.00	38
115+90.00	117+90.00	115
124+50.00	124+84.00	20
125+85.00	127+50.00	333
131+05.00	133+50.00	308
136+47.00	137+50.00	272
137+50.00	144+00.00	1,100
142+50.00	146+50.00	622
300+62.00	302+70.00	592
TOTAL		3,400

CONSTRUCT AND REMOVE COMPOST FILTER SOCK, 18 IN	
EROSION CONTROL STAGE	UNIT
	LF
INITIAL STAGE	430.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	0.00
FINAL STAGE	0.00
TOTAL	430.00

MAINTENANCE OF CHECK DAMS - ALL TYPES	
EROSION CONTROL STAGE	UNIT
	LF
INITIAL STAGE	0.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	220.00
FINAL STAGE	0.00
TOTAL	5.00

PERMANENT GRASSING		
STATION TO STATION		UNIT
STA	TO	AC
TOTAL		1.14

AGRICULTURAL LIME		
STATION TO STATION		UNIT
STA	TO	TN
108+39.27	118+00.00	0.12
118+00.00	126+50.00	0.25
126+50.00	134+00.00	0.61
134+00.00	146+30.27	1.31
TOTAL		2.28

MAINTENAINCE OF COMPOST FILTER SOCK (ALL SIZES)	
EROSION CONTROL STAGE	UNIT
	LF
INITIAL STAGE	430.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	0.00
FINAL STAGE	0.00
TOTAL	430.00

MAINTENANCE OF ROCK FILTER DAM	
EROSION CONTROL STAGE	UNIT
	EA
INITIAL STAGE	3.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	0.00
FINAL STAGE	0.00
TOTAL	3.00

SOD		
STATION TO STATION		UNIT
STA	TO	SY
108+39.27	118+00.00	150
118+00.00	126+50.00	99
126+50.00	134+00.00	221
134+00.00	146+30.27	320
TOTAL		790

PINE STRAW (3 IN THICK)		
STATION TO STATION		UNIT
STA	TO	SY
108+39.27	118+00.00	0.00
118+00.00	126+50.00	0.00
126+50.00	134+00.00	165.67
134+00.00	146+30.27	164.05
TOTAL		330

CONSTRUCT AND REMOVE FLOATING TURBIDITY BARRIER	
EROSION CONTROL STAGE	UNIT
	LF
INITIAL STAGE	180.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	0.00
FINAL STAGE	0.00
TOTAL	180.00

DESCRIPTION	UNIT	QTY
WOOD TOE BANK STABILIZATION	LS	1

DESCRIPTION	UNIT	QTY
WATER QUALITY MONITORING AND SAMPLING	EA	9
WATER QUALITY INSPECTIONS	MO	30

FERTILIZER MIXED GRADE		
STATION TO STATION		UNIT
STA	TO	TN
108+39.27	118+00.00	0.02
118+00.00	126+50.00	0.04
126+50.00	134+00.00	0.09
134+00.00	146+30.27	0.20
TOTAL		0.34

MAINTENANCE OF FLOATING TURBIDITY BARRIER	
EROSION CONTROL STAGE	UNIT
	LF
INITIAL STAGE	180.00
INTERMEDIATE STAGE 1	0.00
INTERMEDIATE STAGE 2	0.00
FINAL STAGE	0.00
TOTAL	180.00

POND Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

SUMMARY QUANTITIES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 06-0006

Curve* 3
PI Sta* 108+07.79
N* 1483026.8213
E* 2268580.1946
DELTA* 06°24'56.8" (LT)
D* 02°43'42.13"
T* 117.70
L* 235.15
R* 2100.00
E* 3.30

JAMES B MALONEY
TAX ID: 22 546012610081
DB 32971, PG 83

PERGAMENT LODI LLC
TAX ID: 22 546012600686
DB 58150, PG 417

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 22 550011780210
DB 56413, PG 432
PB 404, PG 100

LAND DISTRICT 2
LAND DISTRICT 1

108+00
107+00
106+00
109+00
110+00

P.I. 105+91.42
NO CURVE

P.C. 106+90.09

P.T. 109+25.24

EXIST R/W

RETAIN EXISTING PAVEMENT AND STRIPING

BEGIN PROJECT
MILL AND OVERLAY
STA 108+39.27
N:1483047.1022
E:2268604.6846

N 60°21'
52.8" E

N 59°57'32.4" E

CURVE #3

WEBB BRIDGE ROAD

N 53°32'35.5" E

EXIST PIPES & STRUCTURES TO REMAIN

RETAIN EX. CONC. S.W.

44.62
+59.53
26.86

35.71
+67.37
26.01

MATCH LINE STA. 111+00.00
SEE SHEET 13-0002

KOKL ENTERPRISE LLC
TAX ID: 22 546012610651
DB 36188, PG 569

P.I. 108+01.79

RONALD N MAY
TAX ID: 22 551012430C01
DB 9599, PG 74

BEGIN CONSTRUCTION
MILL AND OVERLAY
STA 109+39.27
N:1483105.0943
E:2268686.1414

NERO HOLDINGS LLC
TAX ID: 22 551012430334
DB 34105, PG 512

EXIST PIPES TO REMAIN

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0001

9/16/2022 6:27:59 PM
USER:All.Badlee

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_13-0002.dgn

Curve* 5
PI Sta* 114+77.47
N* 1483424.2138
E* 2269119.5311
DELTA* 16°42'50.6" (RT)
D* 06°21'58.31"
T* 132.21
L* 262.54
R* 900.00
E* 9.66

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 22 550111780210
DB 56413, PG 432
PB 404, PG 100

ROADWAY CONST. LIMITS
CURB TO CURB
MILL AND OVERLAY

EXIST PIPES & STRUCTURES TO REMAIN

WROUGHT IRON FENCE GATE

EXIST R/W

RETAIN EX. CONC. S.W.

WEBB BRIDGE ROAD

CURVE *5

P.I. 114+77.47

MATCH LINE STA. 111+00.00
SEE SHEET 13-0001

MATCH LINE STA. 116+50.00
SEE SHEET 13-0003

+08.32
25.94

+80.40
24.96

+71.04
16.84

+71.04
27.31

N 53°40'36.3" E

N 70°23'26.9" E

W 53°32'35.5" E

6' LANDSCAPED STRIP

10' SIDEWALK

RETAIN EX. CONC. S.W.

EXIST R/W

BEGIN SIDEWALK
TIE TO EXIST
111+33.28
32.58' RT

P.I. 111+69.45
NO CURVE

112+66.25
43.72' RT

P.C. 113+45.26

+47.43
33.63' RT

+47.55
43.63' RT

EXIST PIPES & STRUCTURES TO REMAIN

R 790'

R 780'

25' BUFFER

+84.29
35.78' RT

+87.69
45.78' RT

EXIST R/W

P.T. 116+07.80

BEGIN HANDRAIL
115+90.00
45.82' RT

ROADWAY CONST. LIMITS
CURB TO CURB
MILL AND OVERLAY

OHWM/WRESTED VEGETATION

INTERMITTENT STREAM 12

EXIST PIPES & STRUCTURES TO REMAIN (TYP)

NERO HOLDINGS LLC
TAX ID: 22 551012430334
DB 34105, PG 512

1

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0002

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 22 55011780210
DB 56413, PG 432
PB 404, PG 100

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011780707
DB 56716, PG 517
PB 380, PG 33

Curve* 6
PI Sta* 122+04.37
N* 1483668.7927
E* 2269806.0399
DELTA* 09°19'23.8" (RT)
D* 01°14'44.02"
T* 375.09
L* 748.52
R* 4600.00
E* 15.27

117+00
118+00
119+00
120+00
121+00

MATCH LINE STA. 116+50.00
SEE SHEET 13-0002

MATCH LINE STA. 122+00.00
SEE SHEET 13-0004

N 70°23'26.9" E

CURVE *6

WEBB BRIDGE ROAD

BEGIN C&G
TIE TO EXISTING
STA. 119+93.70
25.33' LT

BEGIN C&G
TIE TO EXISTING
STA. 118+93.70
25.08' LT

TYPE C SIDEWALK RAMP

BEGIN SIDEWALK
TIE TO EXISTING
118+88.56
37.32' LT

END SIDEWALK
TIE TO EXISTING
119+18.97
37.13' LT

WROUGHT IRON FENCE GATE

IE: 1042.65

EDGE OF WATER

RETAIN EX. CONC. S.W.

D-24
N: 1483570.84
E: 2269430.67
EL: 1051.26
DESC: TRAV MAGNLS

EXIST R/W

END 24" CURB & GUTTER
TIE TO EXISTING
119+54.69
22.71' RT

+96.89
18.00' RT

R 2'

+30.61
18.00' RT

+66.25
18.00' RT

+68.26
20.05' RT

+22.99
18.00' RT

+83.89
35.37' RT

R 72'

+29.68
21.77' RT

+94.88
19.96' RT

+24.36
21.47' RT

R 71'

R 93'

R 75'

R 90'

R 60'

+94.14
57.25' RT

+67.47
50.75' RT

+63.78
51.83' RT

+00.05
58.29' RT

R 44'

+65.73
24.46' RT

6' LANDSCAPED STRIP

10' SIDEWALK

EXIST PIPES AND STRUCTURES TO REMAIN (TYP)

ALPHARETTA HIGH SCHOOL CROSS COUNTRY TRAIL

ROADWAY CONST. LIMITS
CURB TO CURB
MILL AND OVERLAY

DO NOT DISTURB EXIST. MILE POST
(EST. LOCATION)

TYPE B SIDEWALK RAMP

END CURB & GUTTER TRANSITION
TIE TO EXISTING
119+19.28
55.90' RT

REMOVE AND RESET SIGN
RECONSTRUCT TIMBER STEP
TO BE PAID UNDER GRADING COMPLETE

BEGIN SIDEWALK
TIE TO EXISTING
119+20.90
85.10' RT

+60.86
36.00' RT

END HANDRAIL
117+90.00
45.69' RT

25' BUFFER

OHWM/WRESTED VEGETATION

INTERMITTENT STREAM 12

TYPE C SIDEWALK RAMP

BEGIN 24" CURB & GUTTER
TIE TO EXISTING
118+20.80
36.55' RT

END 24" CURB & GUTTER
TIE TO EXISTING
118+43.51
53.85' RT

END OF SIDEWALK
TIE TO EXISTING
118+49.15
80.19' RT

P.C. 118+52.28

ALPHARETTA HIGH SCHOOL DRIVEWAY

LIMITS OF MILL AND OVERLAY
STA. 118+77.54
N:1483443.95
E:2269539.19

EXIST PIPES TO REMAIN

PERENNIAL STREAM 13

BOTTOM OF DITCH

1

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

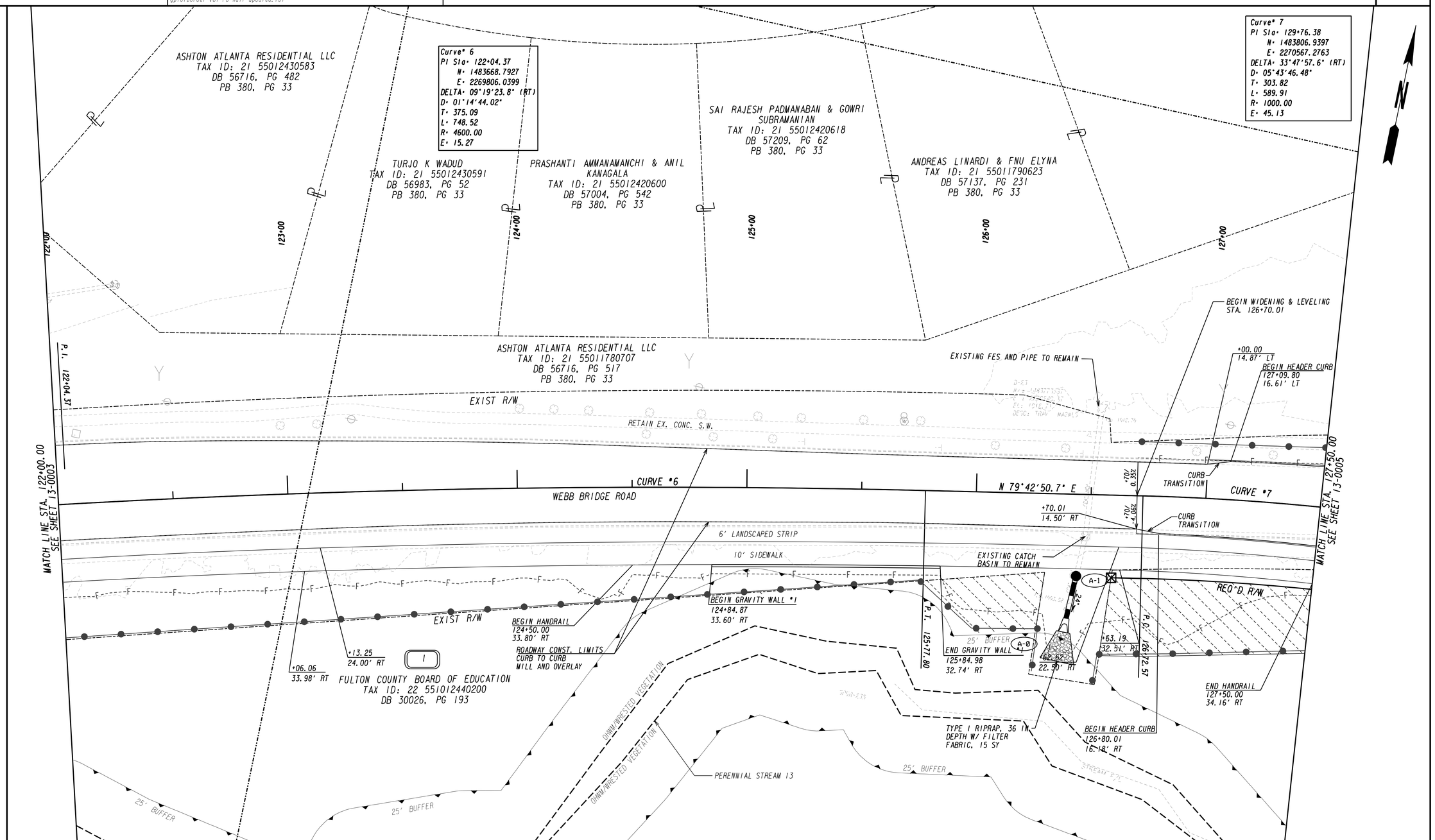
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0003

9/16/2022 6:29:04 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_13-0004.dgn
USER:All.Badlee gplotborder-V8I-PO-half-updated.tbl



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0004

9/22/2022 5:01:36 PM | GPLOT-V8 | X:\FY20\1200980\04.CAD\DGN\1200980_13-0005.dgn
USER:LopezA | gplotborder-V8I-PO-half-updated.tbl

Curve #7
PI Sta: 129+76.38
N: 1483806.9397
E: 2270567.2763
DELTA: 33°47'57.6" (RT)
D: 05°43'46.48"
T: 303.82
L: 589.91
R: 1000.00
E: 45.13

NOTE: CONTRACTOR SHALL PLACE TWO (2) 2" CONDUITS UNDER STRATH DRIVE AND 2 PULL BOXES FOR FUTURE IRRIGATION NEEDS. CONTRACTOR TO COORDINATE WITH ENGINEER ON SITE FOR LOCATION OF CONDUITS AND PULL BOXES.

PAIGE V & WILLIAM A LEDGERWOOD
TAX ID: 21 55011790698
DB 57208, PG 632
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011780707
DB 56716, PG 517
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011790714
DB 56716, PG 517

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

END MILL & OVERLAY
END WIDENING
BEGIN RECONSTRUCTION
STA 130+30.66

END SIDEWALK
TIE TO EXISTING
131+04.06
92.94' LT

PROPOSED 2"SCHEDULE 40 CONDUIT
PROPOSED 3"SCHEDULE 40 CONDUIT
+04.67
80.94' LT
+10.47
57.60' LT

BEGIN SIDEWALK
TIE TO EXISTING
130+85.65
72.39' LT

BEGIN SIDEWALK
131+04.75
28.92' LT

+97.30
36.96' LT

+04.49
57.08' LT

201+00.7
22.12' LT

LIMITS OF CONSTRUCTION TIE TO EXIST

201+00
+99.00
77.82' LT

+04.63
75.65' LT
END C&G TIE TO EXIST

+31.10
87.63' LT

+39.39
89.65' LT

STRATH DRIVE

200+99.06
22.01' RT

BEGIN SIDEWALK
TIE TO EXISTING
131+66.40
97.48' LT

DO NOT DISTURB EXIST. LANDSCAPE

+75.93
67.79' LT

BEGIN TYPE W GUARDRAIL
GA STD 4380
132+06.21
38.00' LT

2

END TYPE W GUARDRAIL
BEGIN TYPE T GUARDRAIL
GA STD 4385
132+89.34
35.03' LT

EDGE OF WATER

END 6" HEADER CURB
BEGIN C&G
STA. 132+94.67
16.30' LT

METAL FENCE

GATE

TYPE I ANCHOR
GA STD 4383
131+94.63
41.02' LT

+91.08
33.04' LT

+90.23
23.04' LT

+63.39
47.27' LT

+92.87
36.55' LT

+29.88
34.93' LT

TYPE A SIDEWALK RAMP

+84.80
20.40' LT

+15.10
51.80' LT

+36.68
39.19' LT

+41.33
39.63' LT

+90.81
19.93' LT

+29.34
24.94' LT

+29.00
18.45' LT

FES TO REMAIN

CUT EXISTING PIPE

RETAIN EX. CONC. S.W.

EXIST R/W

WEBB BRIDGE ROAD

CURVE #7

6' LANDSCAPED STRIP

10' SIDEWALK

6" CONCRETE

CONC. APRON

TYPE D SIDEWALK RAMP

BEGIN SIDEWALK
131+64.05
36.54' LT

S 66°29'11.8" E

MATCH LINE STA. 127+50.00
SEE SHEET 13-0004

MATCH LINE STA. 133+00.00
SEE SHEET 13-0006

REQ'D R/W

+14.59
19.03' RT

BUS PAD

WETLAND 14

25' BUFFER

+14.26
25.53' RT

+14.12
35.53' RT

OHWM/WRESTED VEGETATION

PERENNIAL STREAM 13

STREAM F/L

TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC. 10 SY

REQ'D DRAINAGE PESMT TRACT 1

TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC. 8 SY

REQ'D DRAINAGE PESMT TRACT 2

INTERSECTION
WEBB BRIDGE ROAD
STA. 131+41.28
STRATH DRIVE
STA. 200+00.00
N: 1483727.2369
E: 2270732.0763

RECESS R/W MARKER

BEGIN TYPE 12A ANCHOR
GA STD 4384
131+64.70
37.61' RT

DO NOT DISTURB

END TYPE 12A ANCHOR
BEGIN TYPE W GUARDRAIL
GA STD 4380
132+17.83
37.52' RT

B-2 B-1 B-0 C-3 C-3.1 C-4 C-2 C-1 C-0 D-1.2

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0005

9/16/2022 6:30:50 PM
USER:A11.Badlee

GPLOT-V8
gplotborder-V8I-PO-half-updated.tbl

X:\FY20\I200980\04.CAD\DGN\I200980_13-0006.dgn

WETLAND 15

PERENNIAL STREAM 16

2
ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 550111790714
DB 56716, PG 517

CITY OF ALPHARETTA
TAX ID: 21 555012410246
DB 26462, PG 29

PERENNIAL STREAM 17

25' BUFFER

OHWM

WRESTED VEGETATION

BIG CREEK

135+00

136+00

137+00

138+00

133+38.24
24.96' LT

EXIST R/W

+36.74
23.46' LT

+37.06
10.50' LT

+37.26
13.00' LT

BEGIN APPROACH SLAB
GA STD 9017K
STA 133+43.00

BEGIN WOOD TOE
SEE SHEET 38-002
STA 134+70.50
OFF 32.50' RT

END TYPE T GUARDRAIL
TIE TO BRIDGE
GA STD 4391
133+69.21
23.46' LT

BEGIN BRIDGE
SEE GRADING PLAN
STA 133+73.00

D-2

D-1

D-0

S 66°29'11.8" E

+99.12
22.41' RT

REQ'D R/W

MATCH LINE STA. 133+00.00
SEE SHEET 13-0005

+43.60
10.5' RT

METLAND 14

END TYPE T GUARDRAIL
TIE TO BRIDGE
GA STD 4391
133+81.79
23.46' RT

END TYPE W GUARDRAIL
BEGIN TYPE T GUARDRAIL
GA STD 4385
133+11.14
34.38' RT

TYPE I RIPRAP, 36 IN DEPTH W/ FILTER FABRIC, 8 SY

+43.76
13.00' RT

+44.38
23.00' RT

133+44.38
25.00' RT

PERENNIAL STREAM 13

END 6" HEADER CURB
BEGIN C&G
STA. 133+06.12
15.72' RT

1

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193
FOR FILL IN CREEK
SEE WOOD TOE DETAIL
SHEET 38-002

END WOOD TOE
STA 134+84.00
OFF 108.00' RT

BEGIN TYPE T GUARDRAIL
TIE TO BRIDGE
GA STD 4391
135+76.69
23.51' RT

END APPROACH SLAB
GA STD 9017K
STA 136+03.00

3

CITY OF ALPHARETTA
TAX ID: 21 555012410253
DB N/A, PG N/A

LIMITS OF CONSTRUCTION
TIE TO EXIST

P.C. 135+56.91

BEGIN TYPE T GUARDRAIL
TIE TO BRIDGE
GA STD 4391
135+64.21
23.45' LT

+6.36
13.00' LT

END BRIDGE
STA 135+73.00

R 25'

R 11'

END TYPE T GUARDRAIL
BEGIN TYPE W GUARDRAIL
GA STD 4385
136+34.86
28.00' LT

+31.59
26.00' LT

+31.60
16.00' LT

EXIST R/W

END TYPE W GUARDRAIL
BEGIN TYPE 12A ANCHOR
GA STD 4380
137+36.96
28.00' LT

END TYPE 12A ANCHOR
GA STD 4384
137+90.39
27.95' LT

INTERSECTION
WEBB BRIDGE ROAD
STA. 137+51.09
BIG CREEK GREENWAY
STA. 303+13.77
N:1483494.2662
E:2271295.3666

R 4983'

R 4990'

BEGIN HANDRAIL
138+00.00
28.00 RT

10' SIDEWALK

3.5' LANDSCAPED STRIP

CURVE #8

WEBB BRIDGE ROAD

+13.29
13.00' RT

+13.32
23.00' RT

+36.04
16.00' RT

+36.07
26.00' RT

TYPE I ANCHOR
GA STD 4383
137+33.37
28.00' RT

+33.35
26.00' RT

TYPE I ANCHOR
GA STD 4383
137+48.37
41.14' RT

+43.36
41.32' RT

303+00

REMOVABLE STEEL BOLLARD
SEE DETAIL ON 05-0007

R 17'

R 15'

+77.30
28.00' RT

+61.34
50.50' RT

PT 302+63.16

PC 302+22.72

302+00

CURVE #2A

BIG CREEK GREENWAY

PI 302+44.12

TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 8 SY

REFER TO SHEET 05-0008 FOR MORE DETAILS ON EXIST. TRASH CAN

137+90.59

R 56'

R 44'

+23.04
6.00' RT

MATCH LINE STA. 302+00.00
SEE INSET A

MATCH LINE STA. 138+50.00
SEE SHEET 13-0007

INSET A

Curve #1A
PI Sta: 301+23.86
N: 1483366.6393
E: 2271154.7550
DELTA: 63°02'37.5" (RT)
D: 57°17'44.81"
T: 61.33; L: 110.03
R: 100.00; E: 17.31

Curve #2A
PI Sta: 302+44.12
N: 1483425.5359
E: 2271273.8861
DELTA: 46°20'13.8" (LT)
D: 114°35'29.61"
T: 21.40
L: 40.44
R: 50.00
E: 4.39

Curve #8
PI Sta: 137+90.65
N: 1483475.0036
E: 2271330.1893
DELTA: 05°21'11.7" (LT)
D: 01°08'45.30"
T: 233.75
L: 467.16
R: 5000.00
E: 5.46

PI 301+23.86

301+00

EXIST R/W

STREAM #1

25' BUFFER

+72.56
6.00' LT

N 63°41'34.6

CURVE #1A

PT 301+72.56

+62.52
6.00' LT

+46.32
6.00' LT

LIMITS OF CONSTRUCTION
TIE TO BIG CREEK GREENWAY

PC 300+62.52

MATCH LINE STA. 302+00.00
SEE THIS SHEET

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

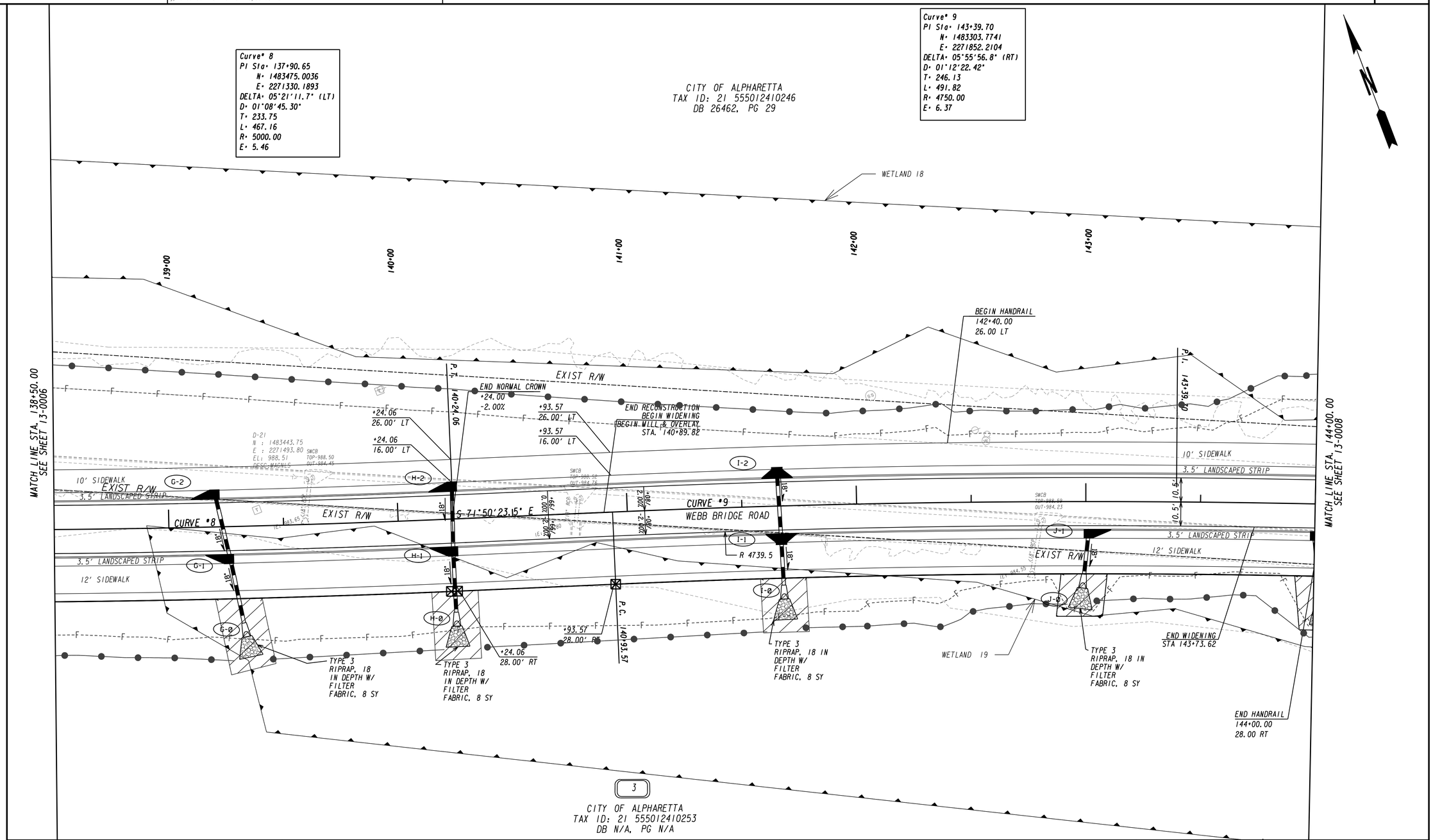
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0006

9/16/2022 6:31:39 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_13-0007.dgn
USER:All.Badlee gplotborder-V8I-PO-half-updated.tbl



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

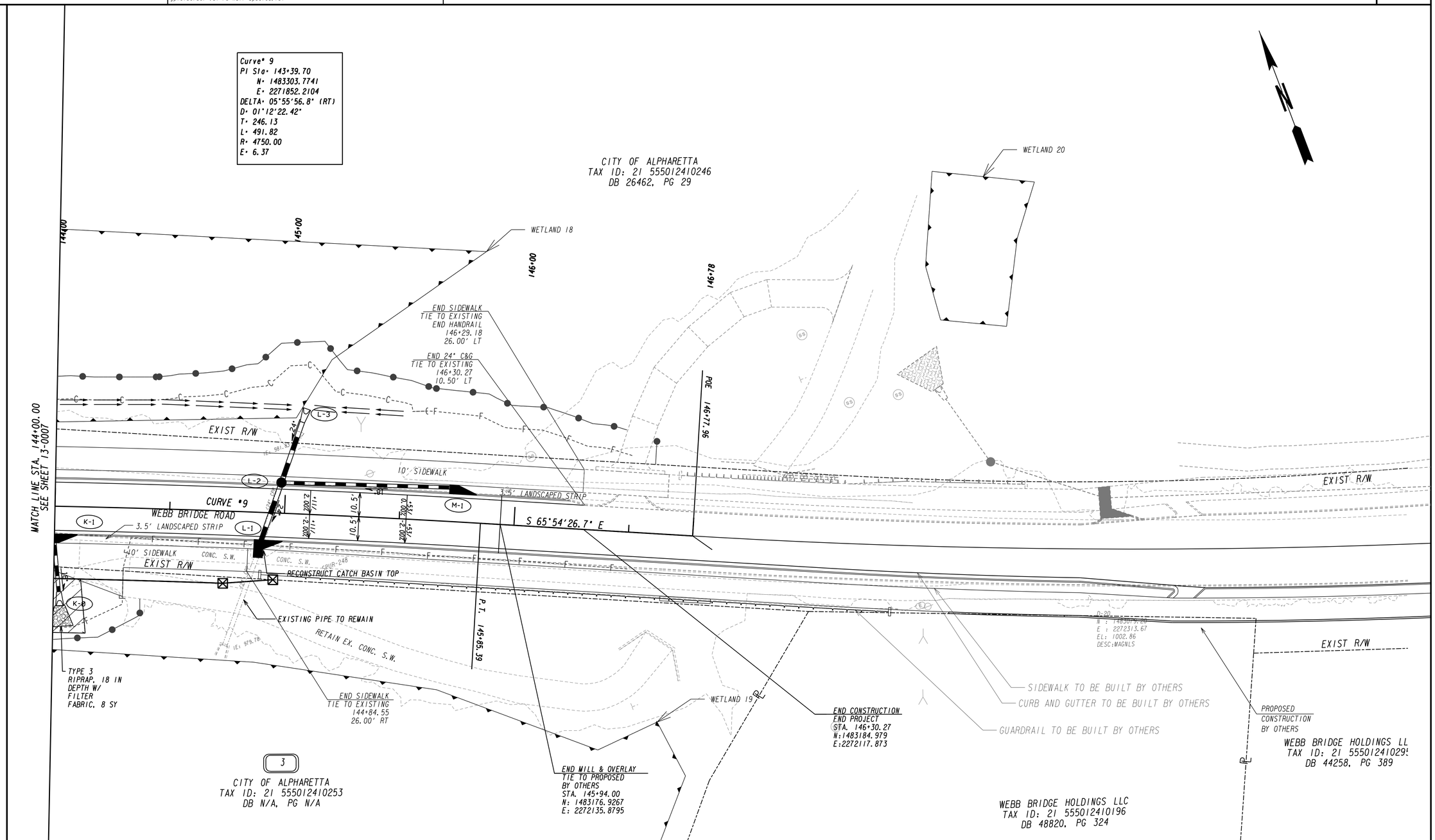
OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0007

9/16/2022 6:34:58 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_13-0008.dgn
USER:All.Badlee gplotborder-V8I-PO-half-updated.tbl



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

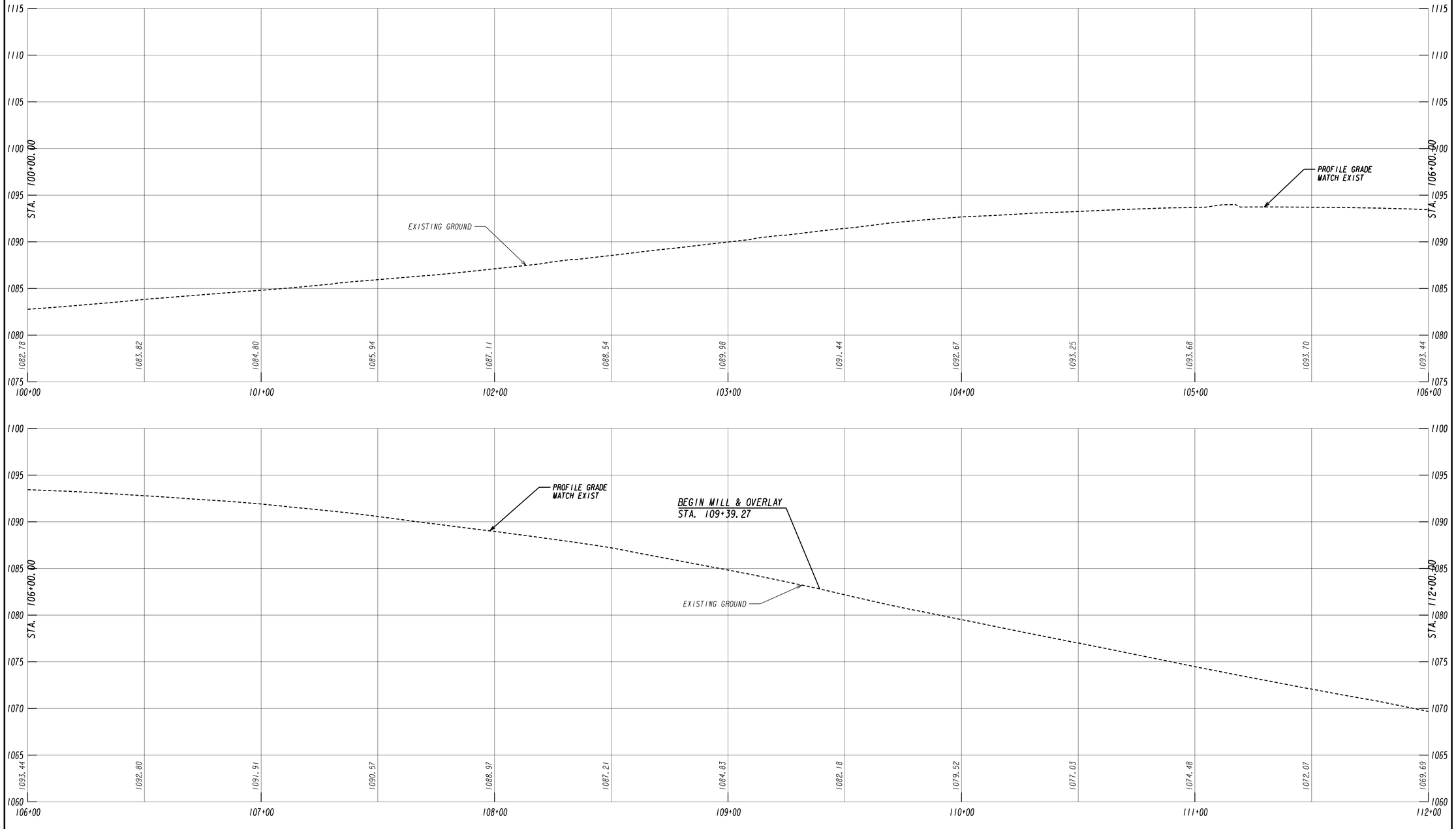
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0008



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

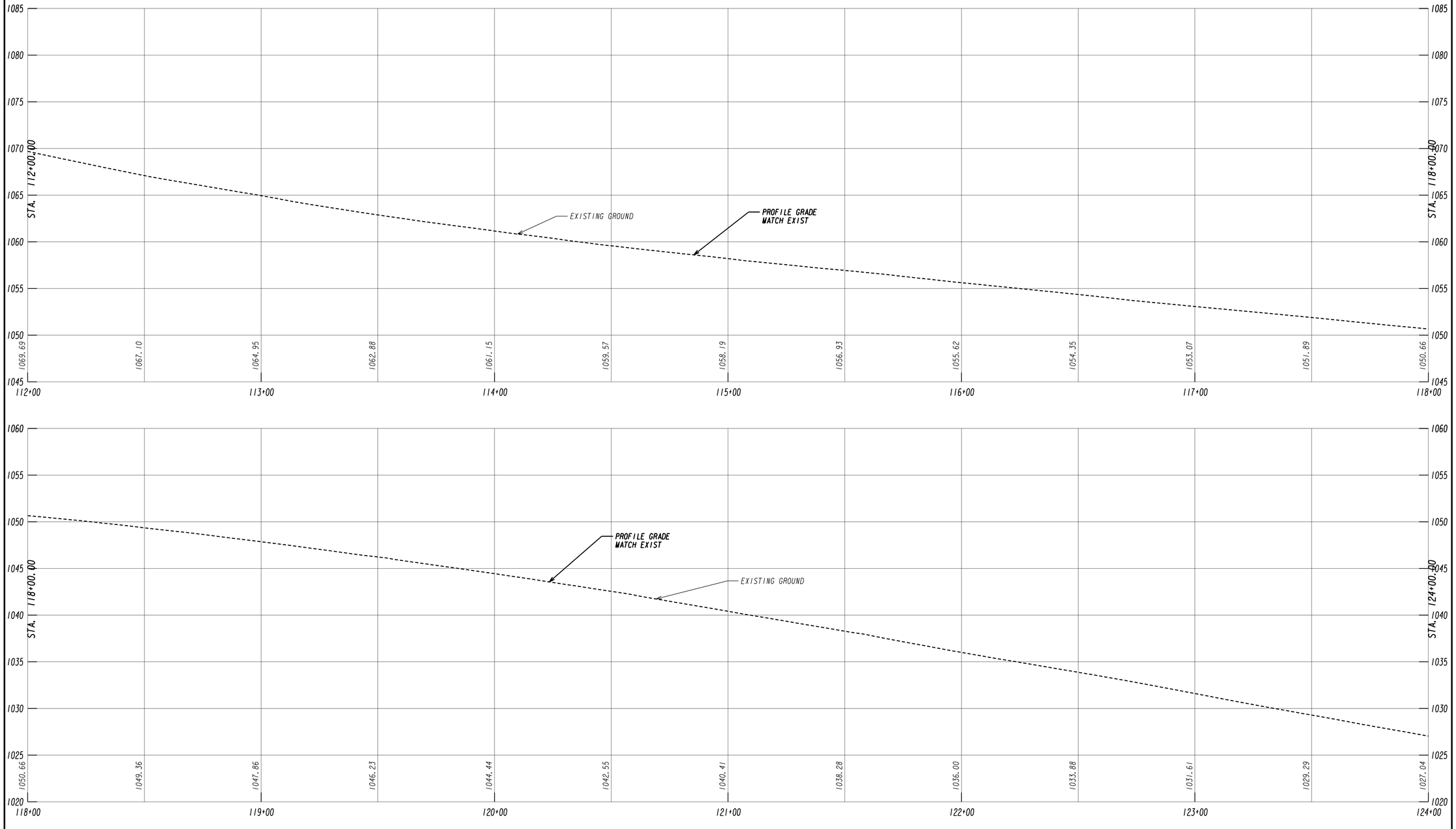
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

MAINLINE PROFILE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
100+00.00 112+00.00

DRAWING No.
15-0001



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

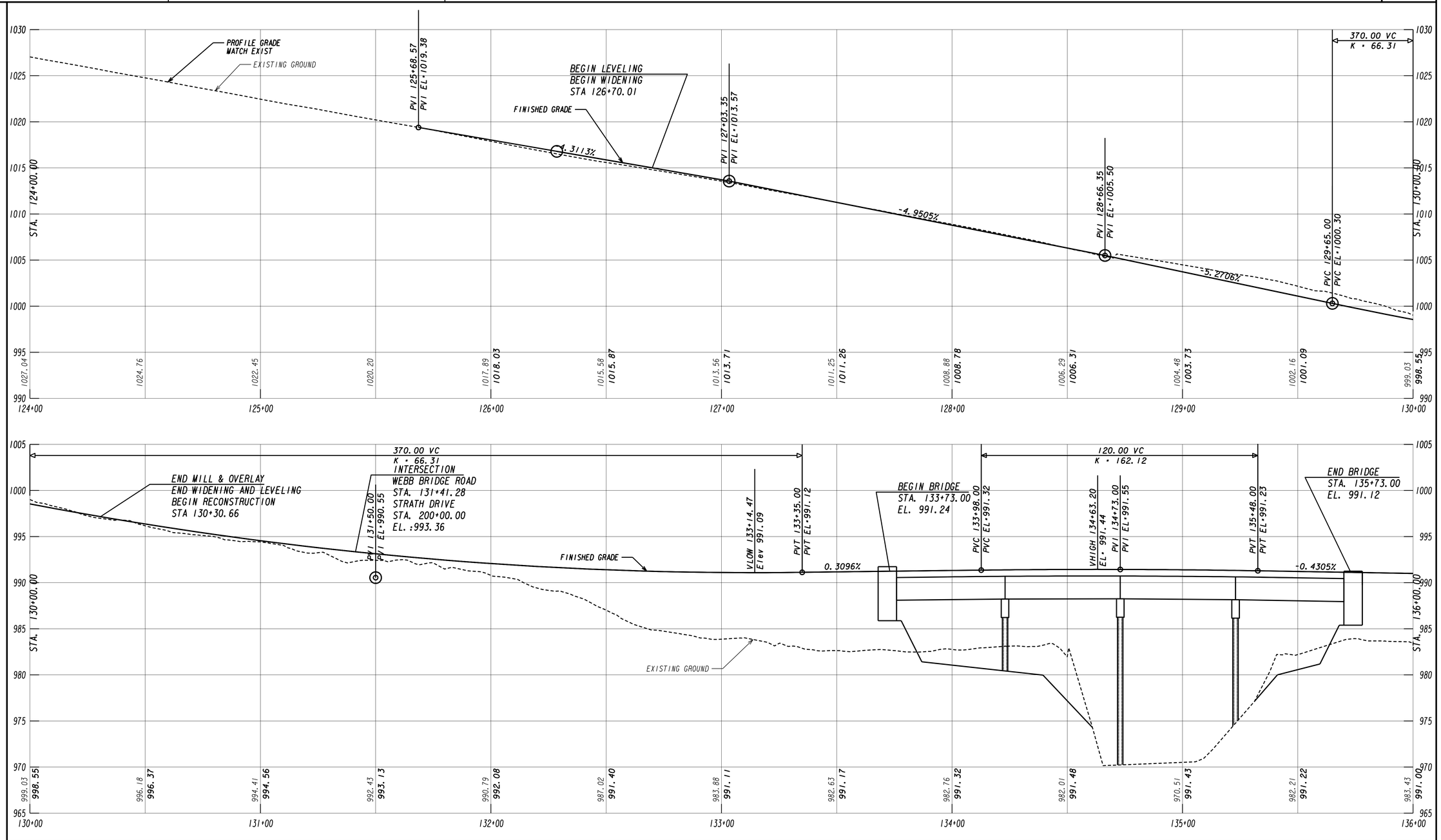
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

MAINLINE PROFILE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
112+00.00 124+00.00

DRAWING No.
15-0002



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

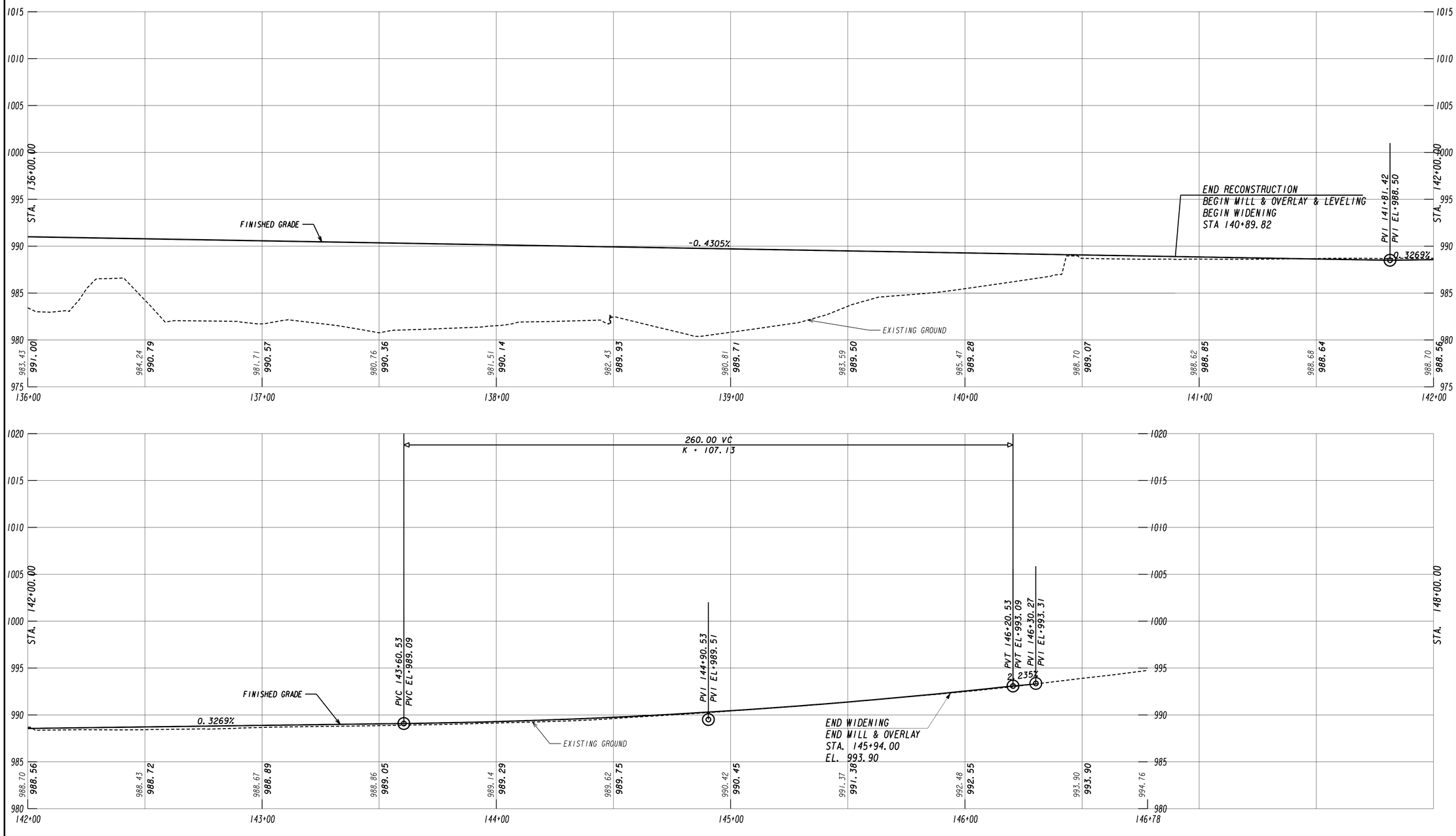
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

MAINLINE PROFILE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
124+00.00 136+00.00

DRAWING No.
15-0003



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

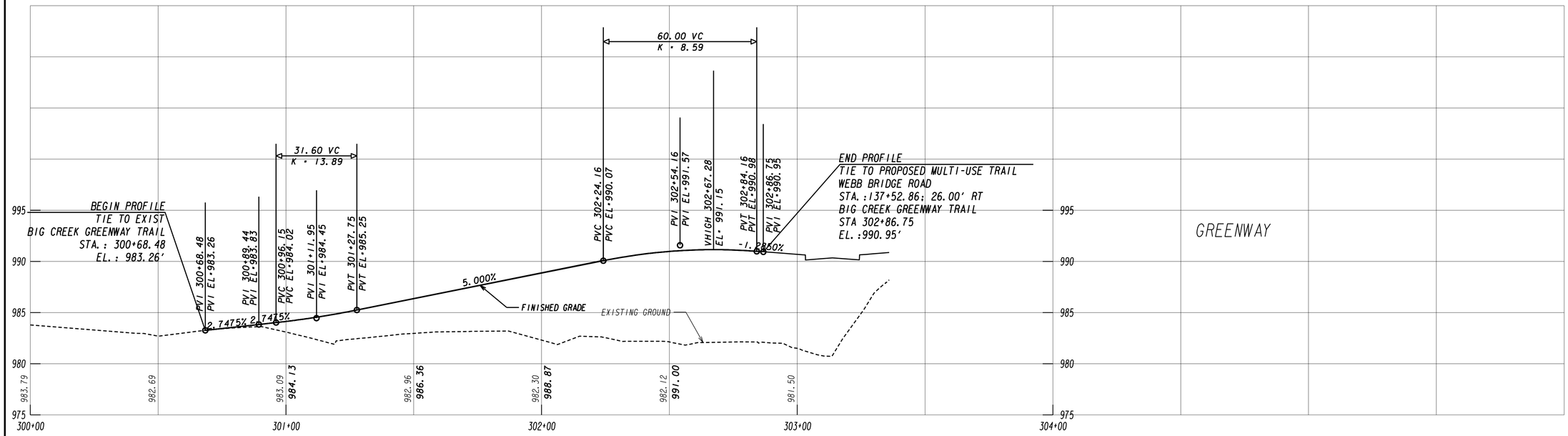
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

MAINLINE PROFILE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
136+00.00 146+77.96

DRAWING No.
15-0004





PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 50 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CROSSROADS PROFILES

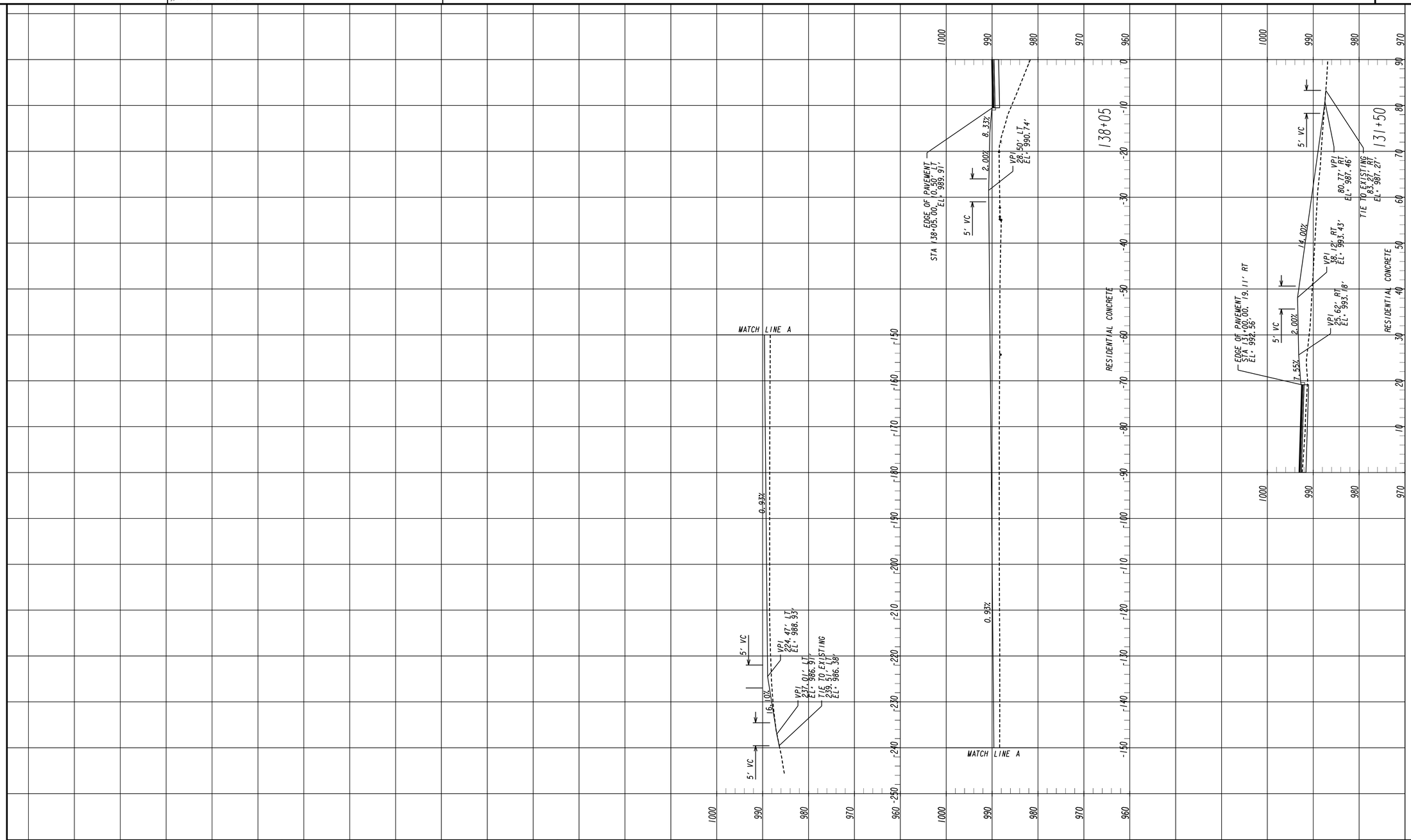
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
16-0001

9/16/2022 6:46:03 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_17-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

DRIVEWAY PROFILES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
17-0001

STAGE 1

*. CONTRACTOR SHALL FURNISH AND INSTALL PORTABLE CHANGEABLE MESSAGE (PCM) DEVICES AT ALL THE APPROACHES OF WEBB BRIDGE ROAD (MINIMUM OF 2). MESSAGE ON THE PCM DEVICE SHALL BE COORDINATED WITH THE CITY PRIOR TO TRAFFIC SHIFTS OR SUBSTANTIAL CHANGE IN CONSTRUCTION STAGING WORK.

1. MAINTAIN TRAFFIC ON EXISTING ROADWAYS AS SHOWN.
   - -MAINTAIN 10FT LANES
   - -UTILIZE TEMPORARY STRIPING
   - -UTILIZE LANE CLOSURES WHERE NEEDED
   - -CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN BRIDGE. (SEE SHEET 35-0002 FOR MORE INFORMATION)

2. CONSTRUCT PERMANENT AS SHOWN ON STAGING PLAN STAGE 1.
   - -CONSTRUCT NEW BRIDGE
   - -CONSTRUCT NEW ALIGNMENT UP TO EXISTING EDGE OF PAVEMENT.
   - -CONSTRUCT NEW BIG CREEK GREENWAY ACCESS

3. CONTRACTOR IS TO MAINTAIN ACCESS TO EXISTING SIDE ROADS, DRIVES, AND THE TRAIL AT ALL TIMES DURING CONSTRUCTION

4. ALPHARETTA HIGH SCHOOL CROSS COUNTRY TEAM RUNS FROM AUGUST THROUGH NOVEMBER. ACCESS TO THEIR TRAIL MUST BE MAINTAINED DURING CROSS COUNTRY SEASON. PRIOR TO CONSTRUCTION, THE CONTRACTOR AND ENGINEER ON SITE SHOULD REACH OUT TO THE SCHOOL PRIOR TO ANY CONSTRUCTION NEAR THE SCHOOL.
PRIMARY CONTACT, CHANDLER YOUNT - ATHLETIC DIRECTOR
(YOUNTW@FULTONSCHOOLS.ORG) OFF: 470-254-7640
PRINCIPAL CONTACT, DR. KERSEY - PRINCIPAL
(KERSEY@FULTONSCHOOLS.ORG) OFF: 470-254-7652

5. TEMPORARY STRIPING TO BE PAID FOR UNDER "TRAFFIC CONTROL, LS" DRAINAGE

PERMANENT STRUCTURES - CONSTRUCT DRAINAGE STRUCTURES AS SHOWN CONSTRUCT STRUCTURE AND CAP DRAINAGE STRUCTURES A-0, A-1, B-0, B-1, B-2, C-0, C-1, D-0, D-1, D-1.2, D-2, E-0, E-1, E-2, F-0, F-1, F-2, G-0, G-1, G-2, H-0, H-1, H-2, I-0, I-1, J-0, J-1, K-0, AND K-1.

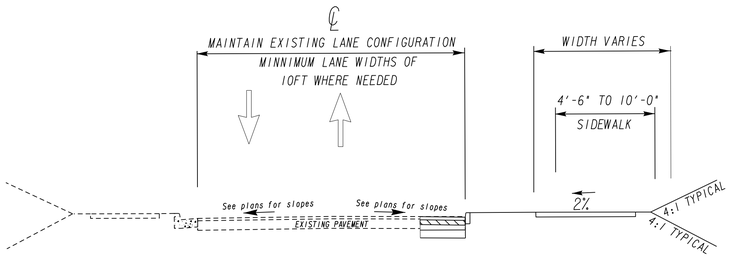
TCTS01

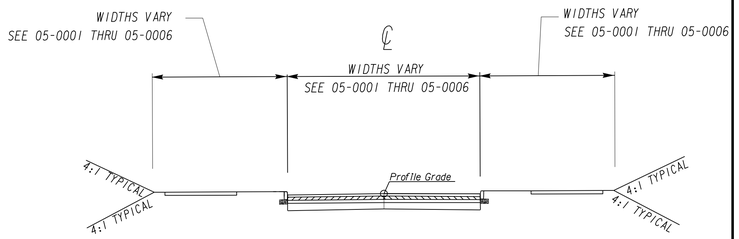
STA 125+77.80 TO STA 132+89.33
STA 137+36.96 TO STA 145+94.00
WEBB BRIDGE ROAD

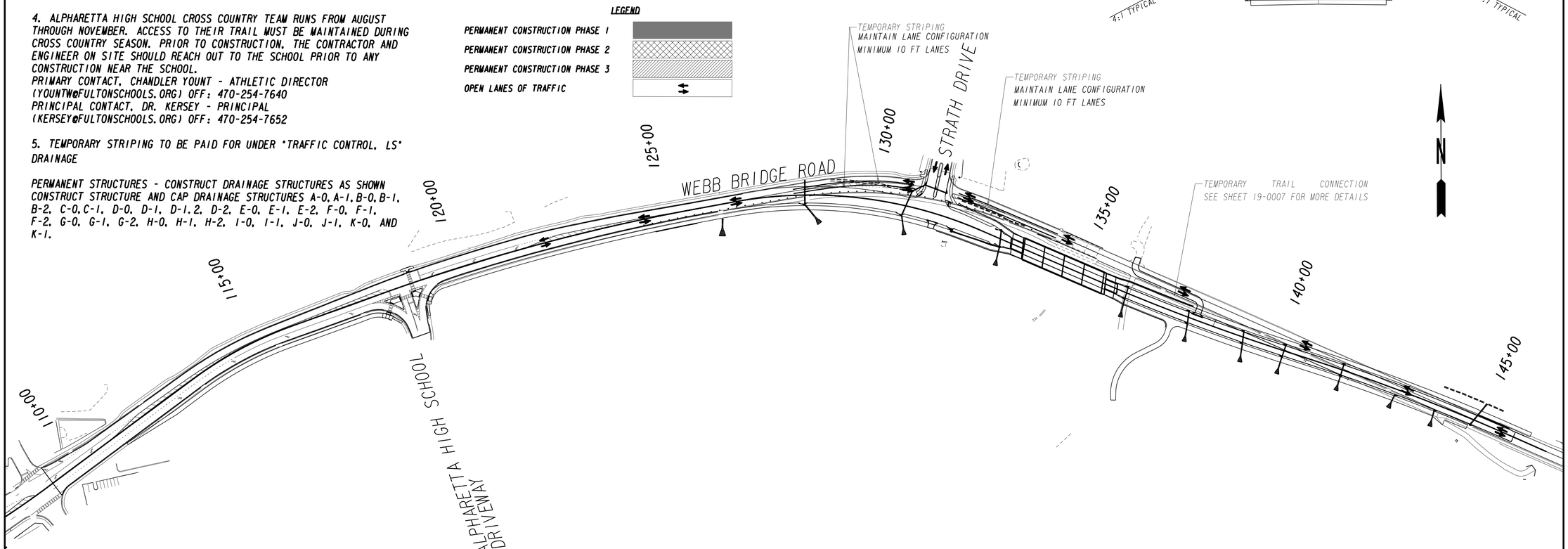
SEE CONSTRUCTION TYPICAL SECTIONS ON
05-0001 THRU 05-0006 FOR MATERIALS AND DIMENSIONS

TCTS02

STA 132+89.33 TO STA 137+36.96
WEBB BRIDGE ROAD







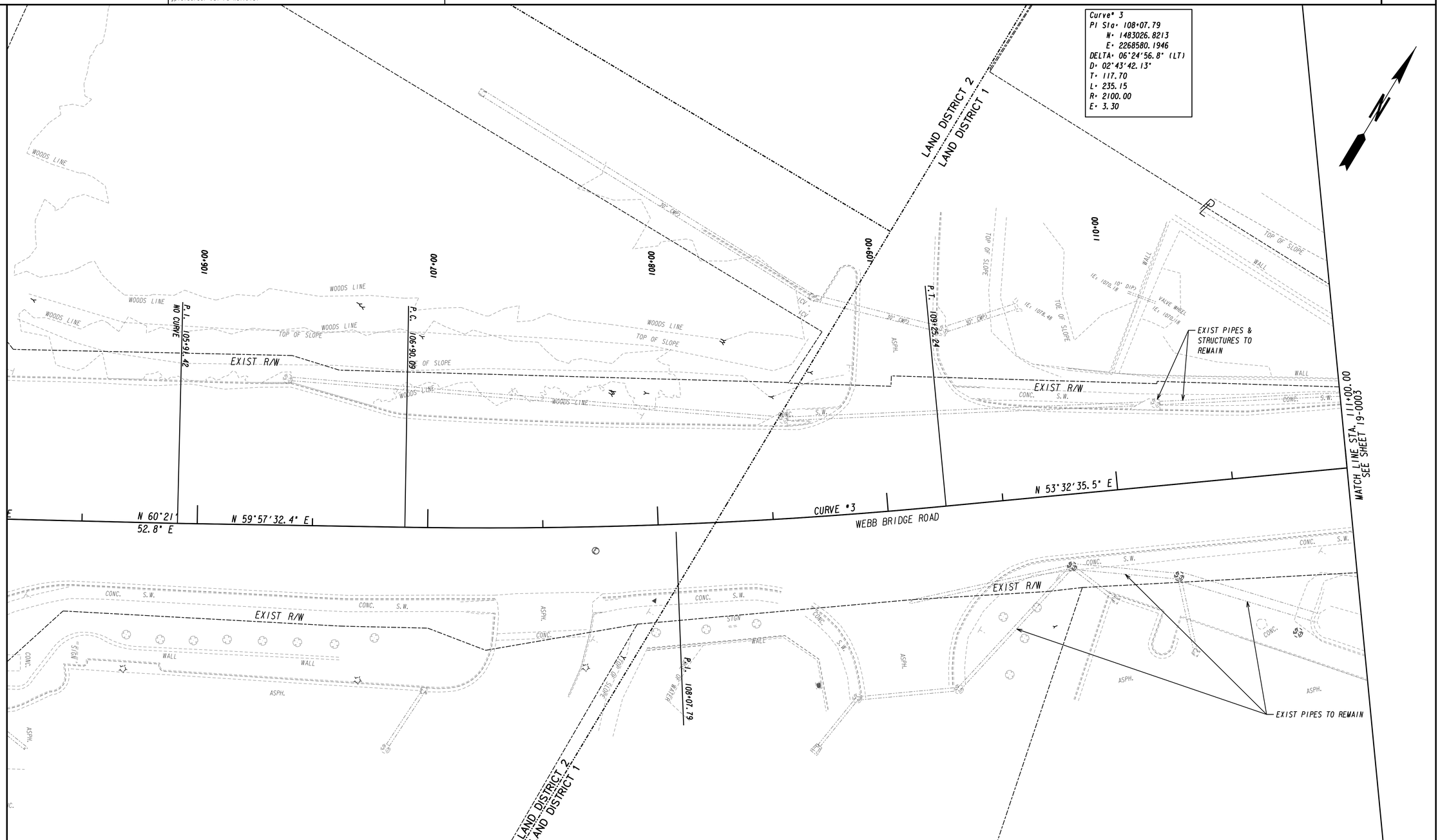
POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
CONSTRUCTION STAGING PLAN STAGE 1 OVERVIEW
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 19-0001

9/16/2022 7:07:11 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_19-0002.dgn
USER:All.Badlee gplotborder-V8I-PO-half.tbl



PHASE IA
PHASE IB
PHASE IC
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

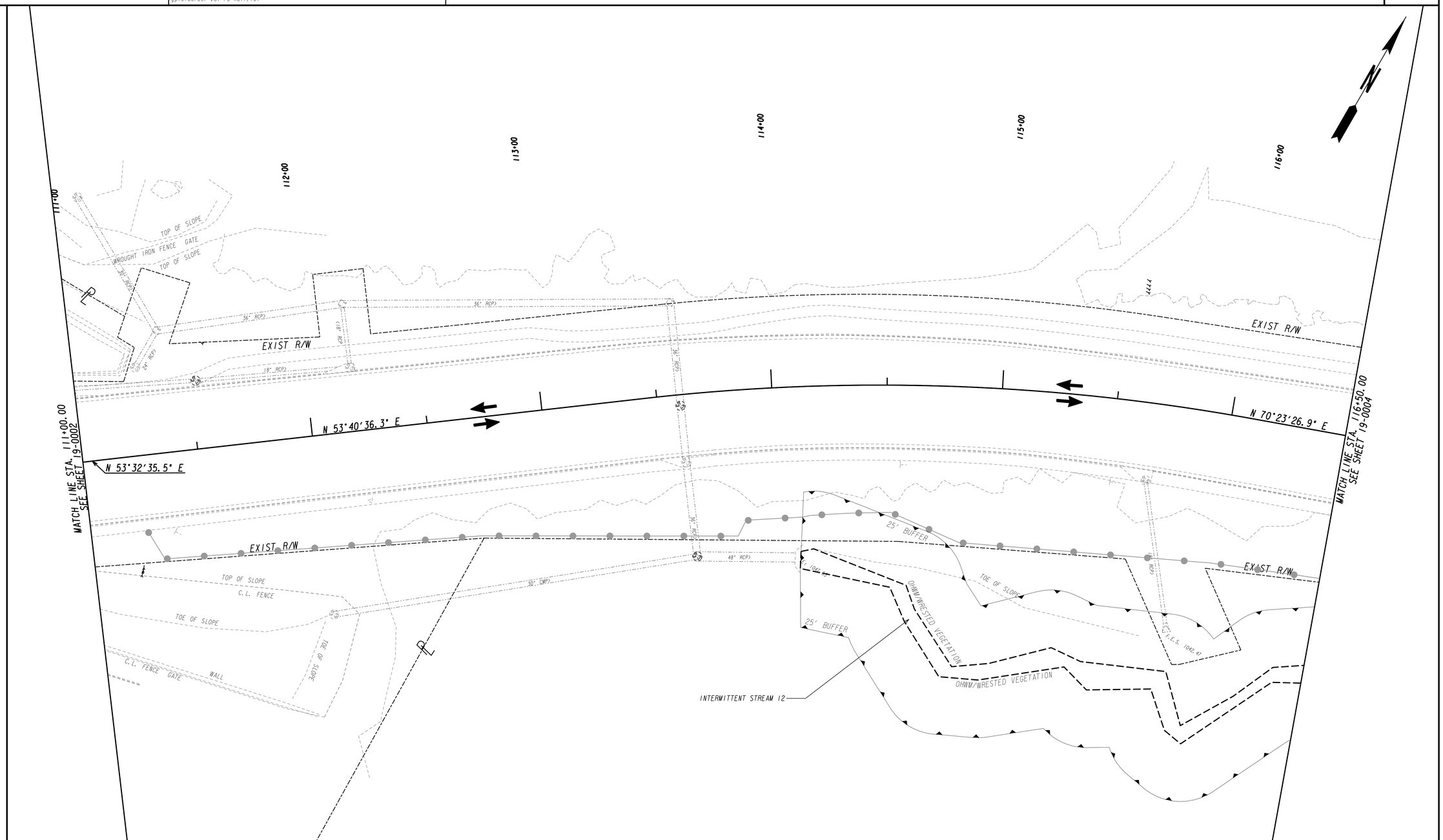
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE I

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0002

9/16/2022 7:07:42 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_19-0003.dgn
USER:All.Badlee gplotborder-V8I-PO-half.tbl



PHASE IA
PHASE IB
PHASE IC
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN
STAGE I

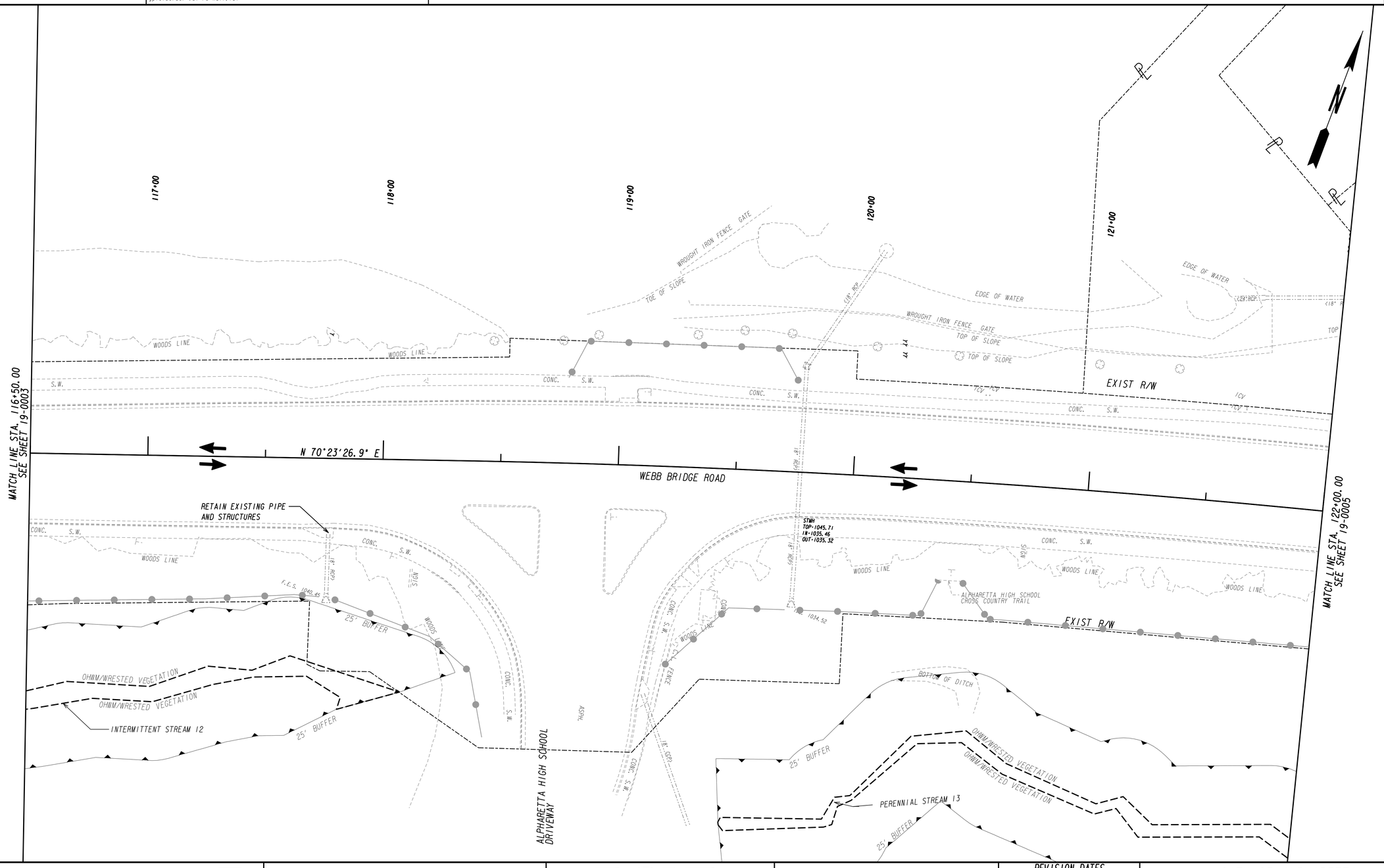
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0003

9/16/2022 7:08:07 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0004.dgn



PHASE IA
PHASE IB
PHASE IC
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0004

9/16/2022 7:09:16 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0005.dgn

Curve# 6
PI Sta: 122+04.37
N: 1483668.7927
E: 2269806.0399
DELTA: 09°19'23.8" (RT)
D: 01°14'44.02"
T: 375.09
L: 748.52
R: 4600.00
E: 15.27

Curve# 7
PI Sta: 129+76.38
N: 1483806.9397
E: 2270567.2763
DELTA: 33°47'57.6" (RT)
D: 05°43'46.48"
T: 303.82
L: 589.91
R: 1000.00
E: 45.13

N

122+00

123+00

124+00

125+00

126+00

127+00

ACTIVE CONSTRUCTION BOUNDARY

TOP OF SLOPE

P.I. 122+04.37

LLI243

LLI242

LLI79

EXIST R/W

CONC. S.W.

ICV

WOODS LINE

EXISTING FES AND PIPE TO REMAIN

MATCH LINE STA. 122+00.00
SEE SHEET 19-0004

CURVE #6

N 79°42'50.7" E

CURVE #7

MATCH LINE STA. 127+50.00
SEE SHEET 19-0006

SWCB
TOP=1015.72
IN=1008.18
OUT=1008.

EXISTING CATCH BASIN TO REMAIN

A-1

A-0

REQ'D R/W

P.T. 125+77.80

P.C. 126+72.57

25' BUFFER

TRACT 1 TEMPORARY EASEMENT

OMM/WRESTED VEGETATION

TYPE I RIPRAP, 36 IN. DEPTH W/ FILTER FABRIC, 15 SY

PERENNIAL STREAM 13

STREAM F/L

TRACT 2 TEMPORARY EASEMENT

PHASE IA
PHASE IB
PHASE IC
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ■ Engineers ■ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

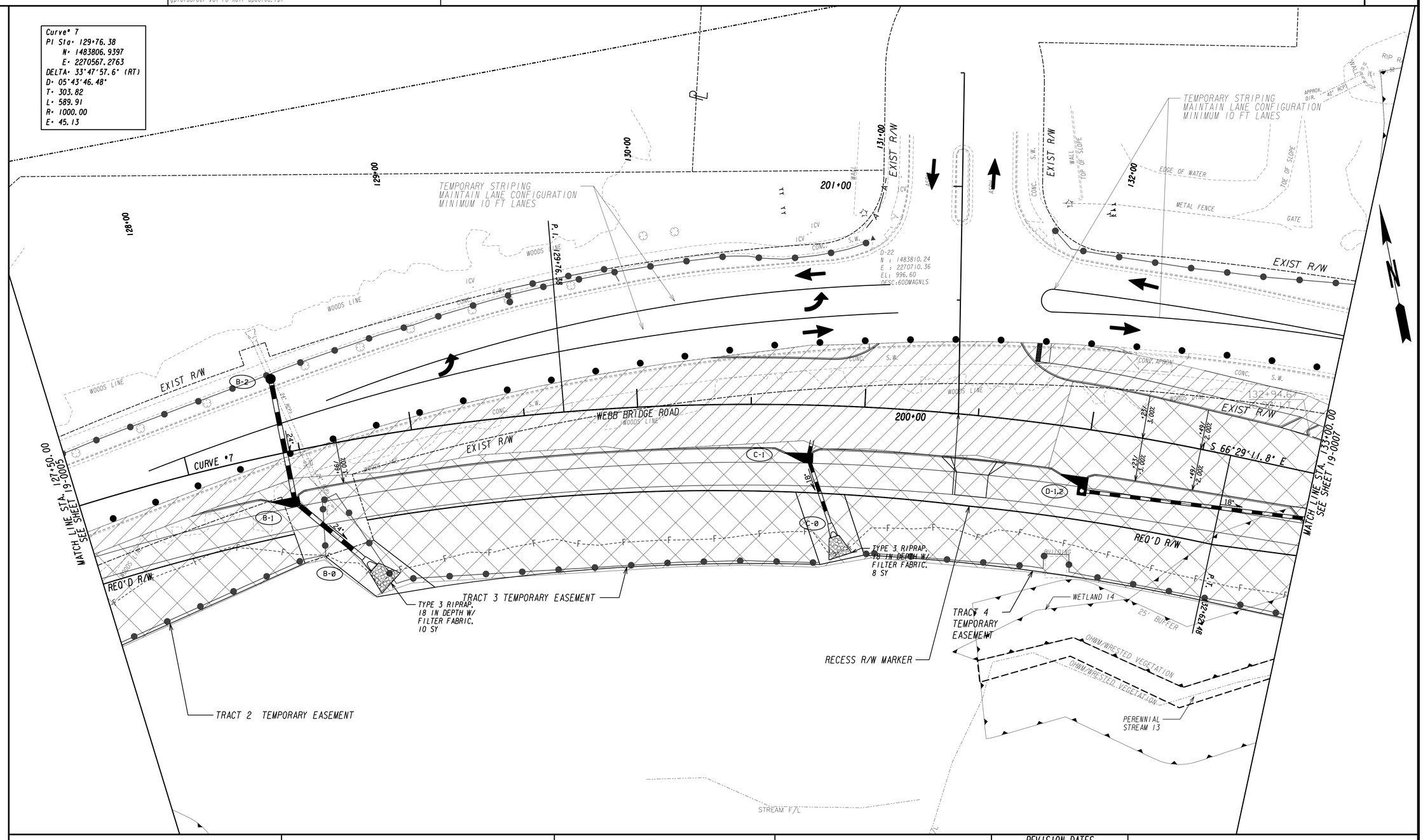
CONSTRUCTION STAGING PLAN STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0005

9/22/2022 5:12:54 PM | GPLOT-V8 | X:\FY20\1200980\04.CAD\DGN\1200980_19-0006.dgn
USER:LopezA | gplotborder-V8I-PO-half-updated.tbl

Curve* 7
PI Sta* 129+76.38
N* 1483806.9397
E* 2270567.2763
DELTA* 33°47'57.6" (RT)
D* 05°43'46.48"
T* 303.82
L* 589.91
R* 1000.00
E* 45.13



PHASE 1A
PHASE 1B
PHASE 1C
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

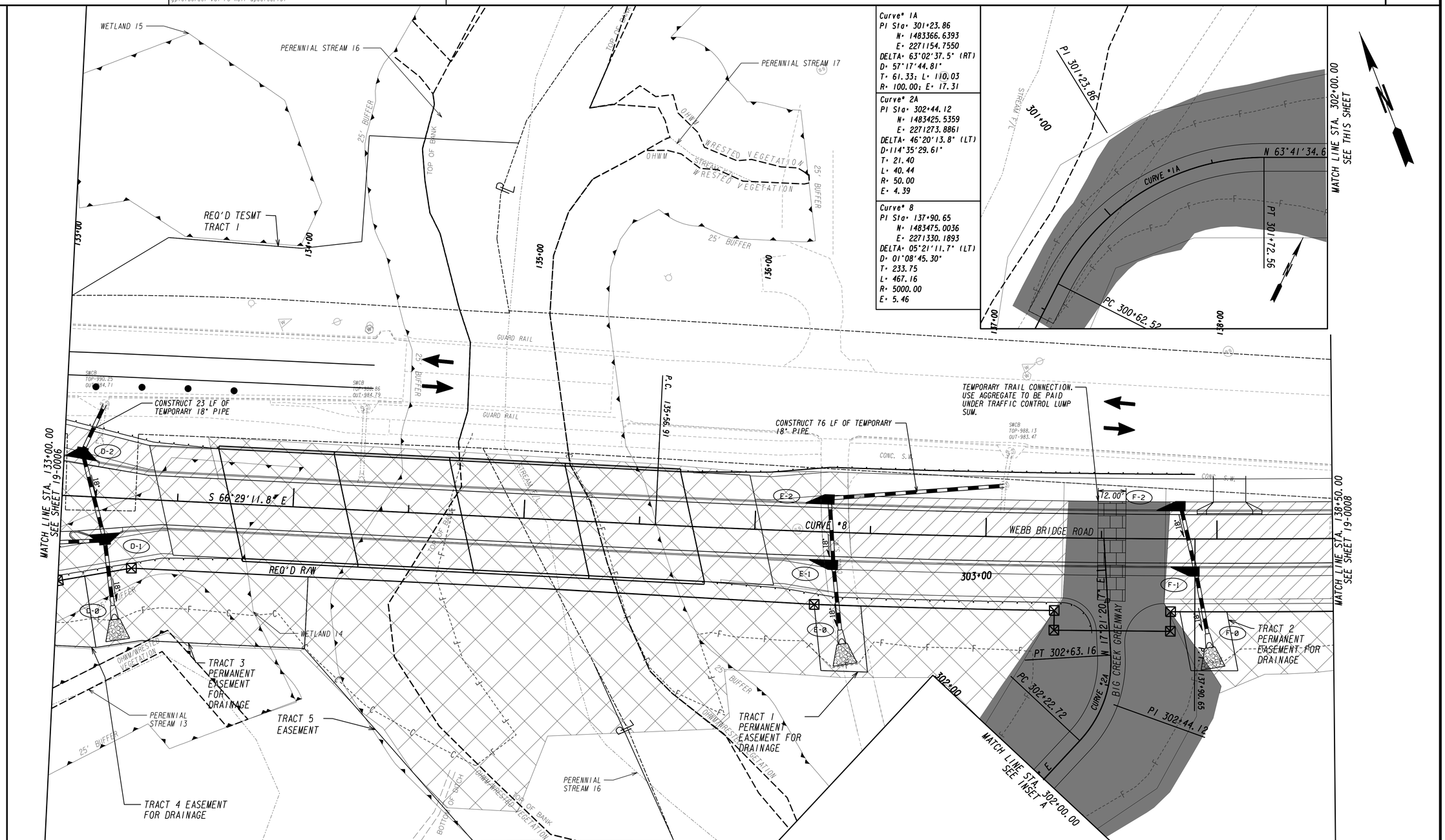
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 19-0006

9/22/2022 5:15:33 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_19-0007.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



Curve# 1A
PI Sta= 301+23.86
N= 1483366.6393
E= 2271154.7550
DELTA= 63°02'37.5" (RT)
D= 57°17'44.81"
T= 61.33; L= 110.03
R= 100.00; E= 17.31

Curve# 2A
PI Sta= 302+44.12
N= 1483425.5359
E= 2271273.8861
DELTA= 46°20'13.8" (LT)
D=114°35'29.61"
T= 21.40
L= 40.44
R= 50.00
E= 4.39

Curve# 8
PI Sta= 137+90.65
N= 1483475.0036
E= 2271330.1893
DELTA= 05°21'11.7" (LT)
D= 01°08'45.30"
T= 233.75
L= 467.16
R= 5000.00
E= 5.46

PHASE 1A
PHASE 1B
PHASE 1C
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0007

9/23/2022 12:46:23 PM
USER:LopezA

GPLOT-V8
gplotborder-V8I-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0008.dgn

Curve* 8
PI Sta* 137+90.65
N* 1483475.0036
E* 2271330.1893
DELTA* 05°21'11.7" (LT)
D* 01°08'45.30"
T* 233.75
L* 467.16
R* 5000.00
E* 5.46

Curve* 9
PI Sta* 143+39.70
N* 1483303.7741
E* 2271852.2104
DELTA* 05°55'56.8" (RT)
D* 01°12'22.42"
T* 246.13
L* 491.82
R* 4750.00
E* 6.37

WETLAND 18

139+00 140+00 141+00 142+00 143+00

TOE OF SLOPE
WOODS LINE
EXIST R/W
P.T. 140+24.06
P.I. 143+39.70

MATCH LINE STA. 138+50.00
SEE SHEET 19-0007

MATCH LINE STA. 144+00.00
SEE SHEET 19-0009

CONSTRUCT 42 LF OF TEMPORARY 18" PIPE
CONSTRUCT 56 LF OF TEMPORARY 18" PIPE
INSTALL PIPE AND INSTALL TEMPORARY PLUG
CURVE #8
CURVE #9
WEBB BRIDGE ROAD
S 71°50'23.15" E
P.C. 140+33.57
TRACT 3 PERMANENT EASEMENT FOR DRAINAGE
REQ'D R/W TRACT 1
TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 8 SY
TRACT 4 PERMANENT EASEMENT FOR DRAINAGE
TRACT 5 PERMANENT EASEMENT FOR DRAINAGE
WETLAND 19
CONSTRUCT 5 LF OF TEMPORARY 18" PIPE
TRACT 6 PERMANENT EASEMENT FOR DRAINAGE
TRACT 7 PERMANENT EASEMENT FOR DRAINAGE

PHASE IA
PHASE IB
PHASE IC
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0008

Curve* 9
PI Sta* 143+39.70
N* 1483303.7741
E* 2271852.2104
DELTA* 05°55'56.8" (RT)
D* 01°12'22.42"
T* 246.13
L* 491.82
R* 4750.00
E* 6.37

WETLAND 20
WETLAND 18
WETLAND 19
144+00
145+00
146+00
147+78
P.O.E. 149+77.96
P.T. 145+85.39
MATCH LINE STA. 144+00.00
SEE SHEET 19-0008
EXIST R/W
REQ'D R/W
TRACT 1
CURVE #9
S 65°54'26.7" E
WOODS LINE
TOE OF SLOPE
TOP OF SLOPE
CONC. S.W.
GUARD RAIL
WALL
SIGN
PX CALL BOX
PX 6 INCH PVC
K-1
K-8
TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 8 SY
TRACT 7 PERMANENT EASEMENT FOR DRAINAGE

PHASE IA
PHASE IB
PHASE IC
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

SCALE IN FEET
0 20 40 80

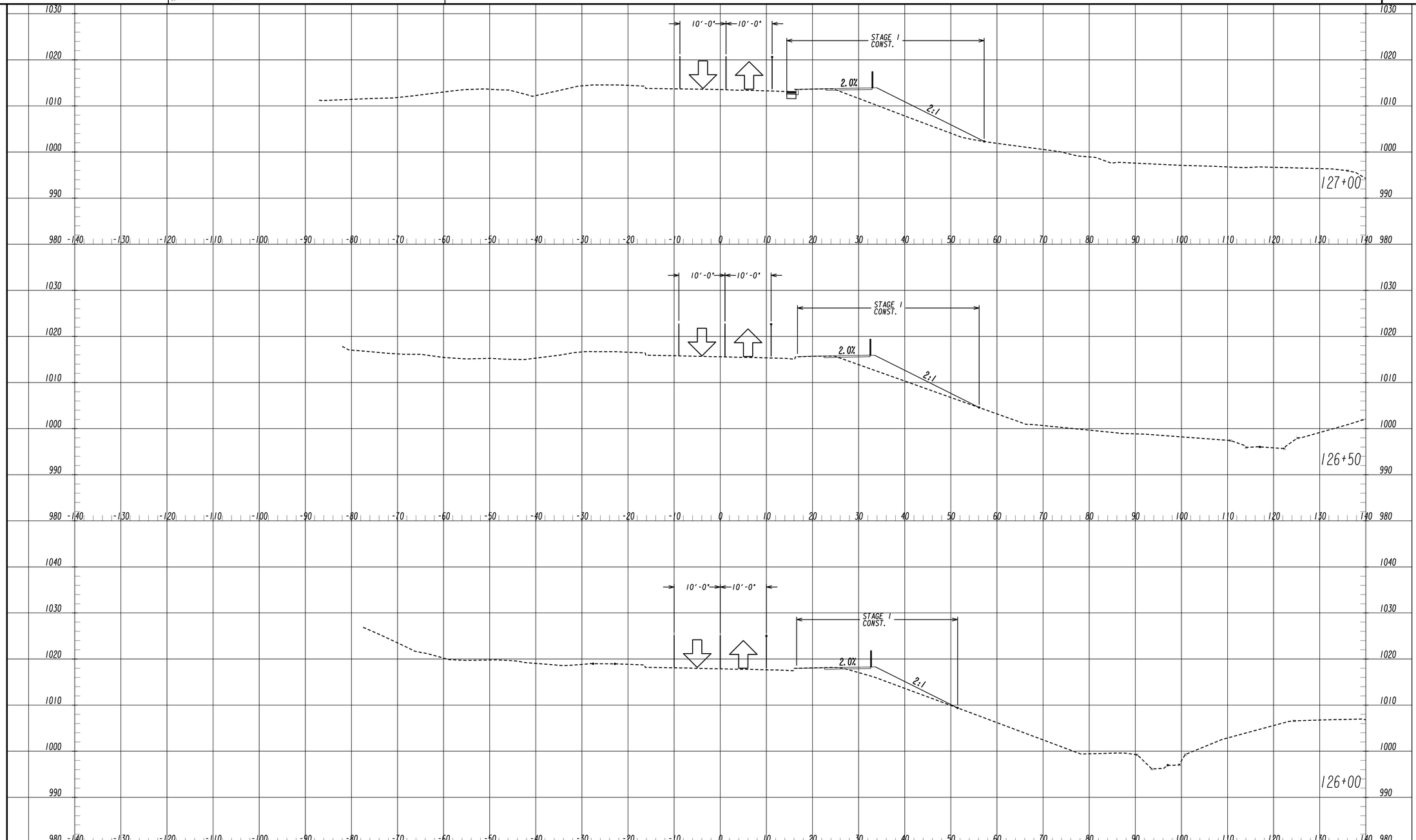
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
CONSTRUCTION STAGING PLAN STAGE 1
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No.
19-0009

9/16/2022 7:13:14 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0002_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

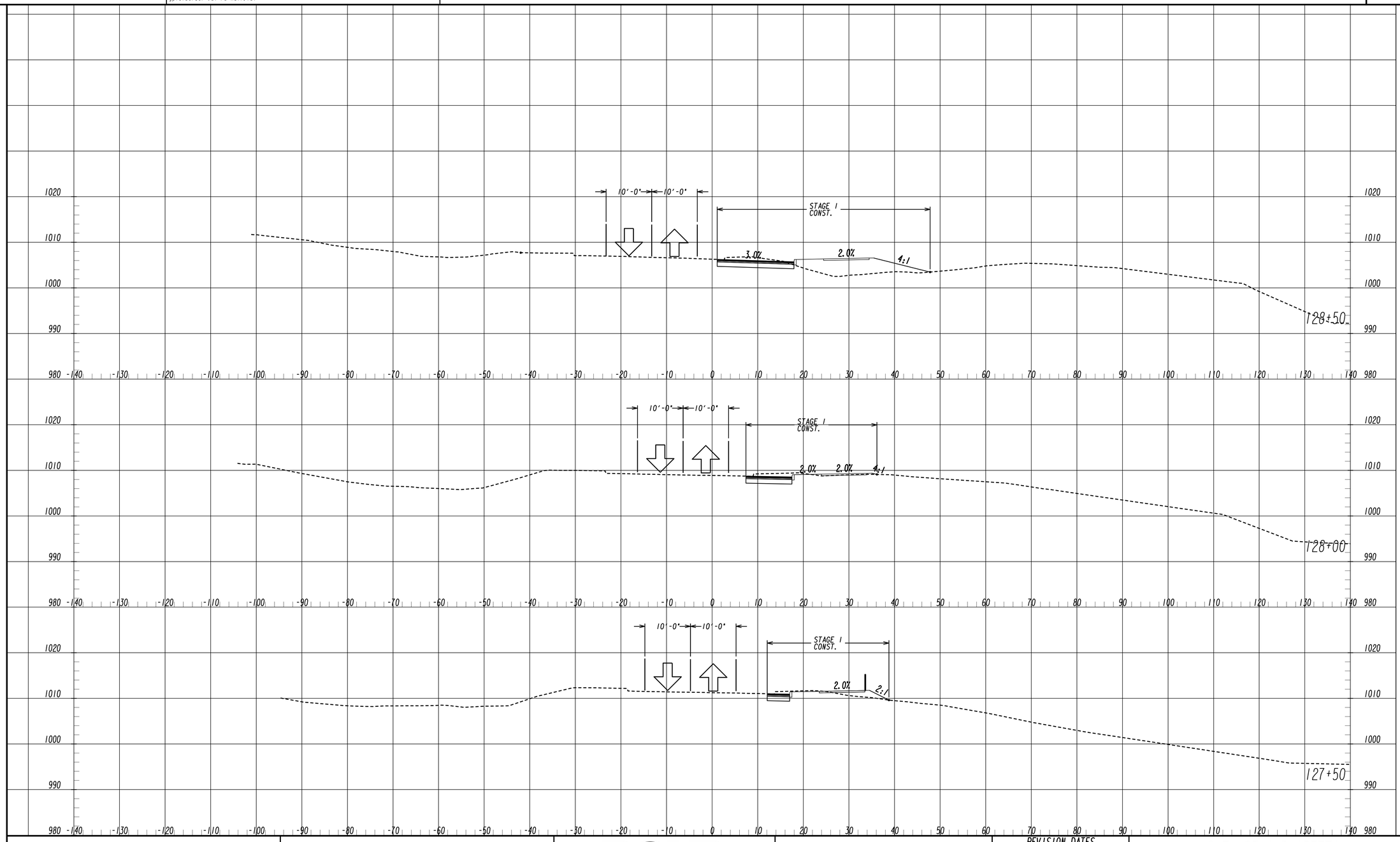
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0010

9/16/2022 7:13:17 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0002_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

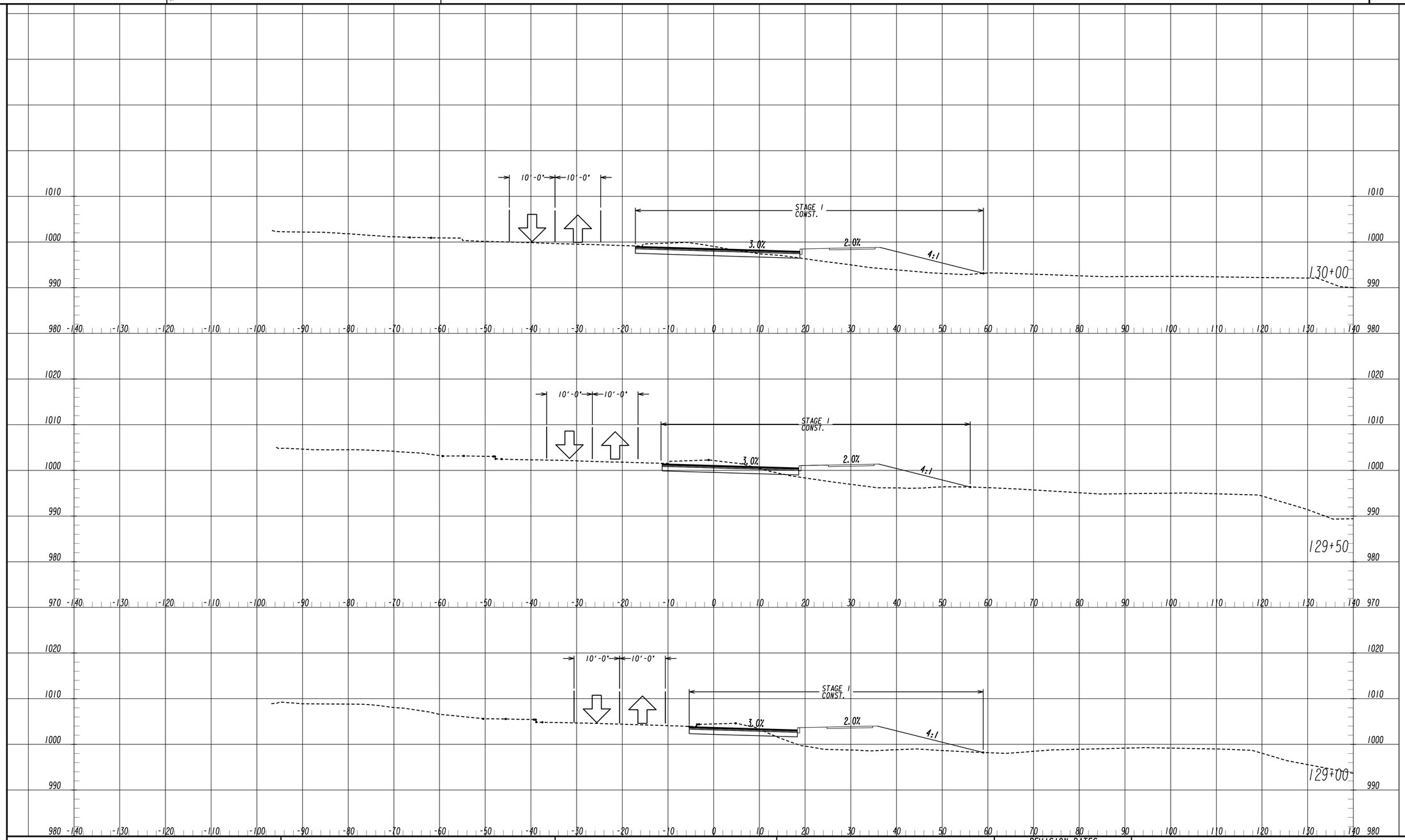
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0011

9/16/2022 7:13:20 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0002_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

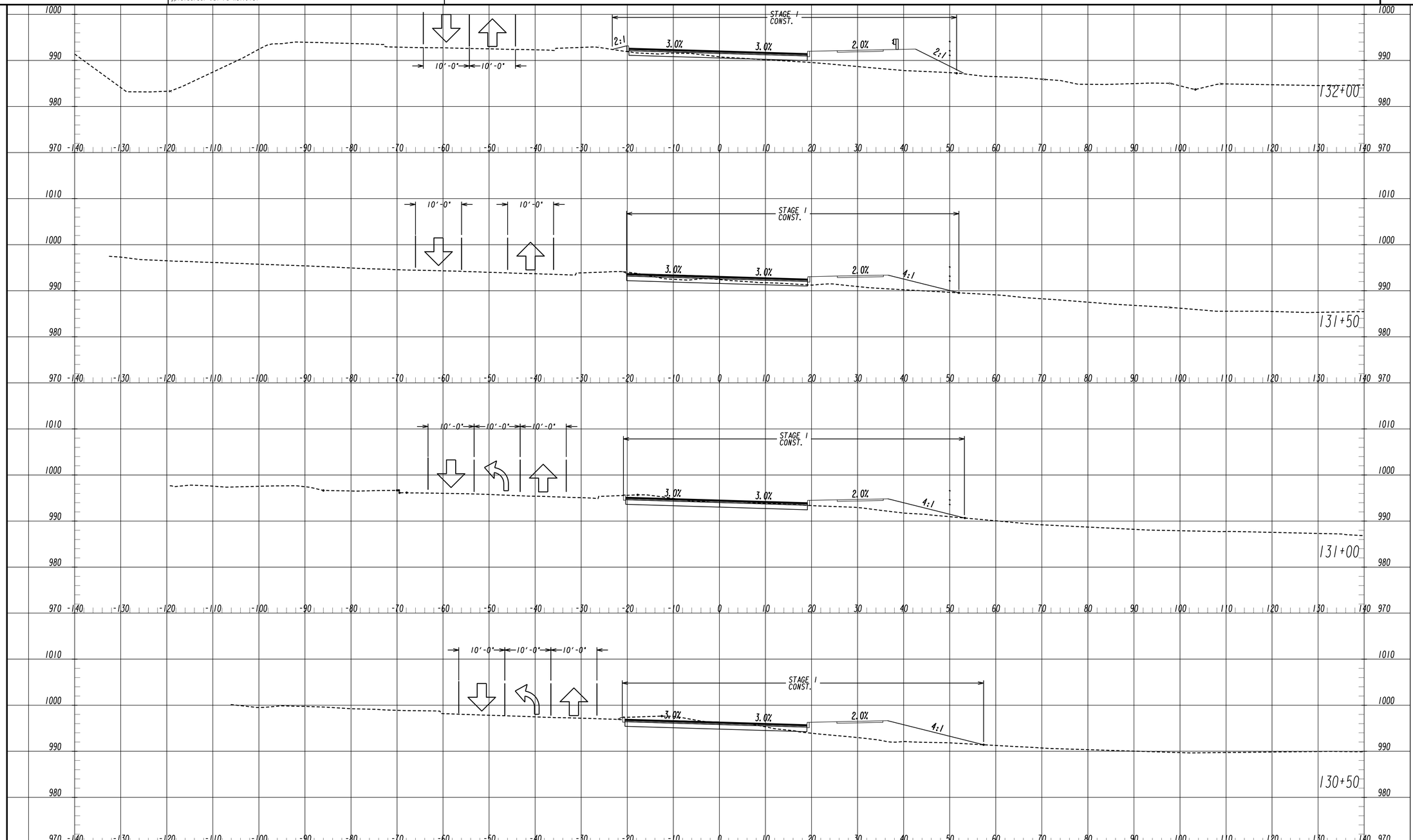
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0012



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0013

9/16/2022 7:13:27 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0002_STE1-XSEC.dgn

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

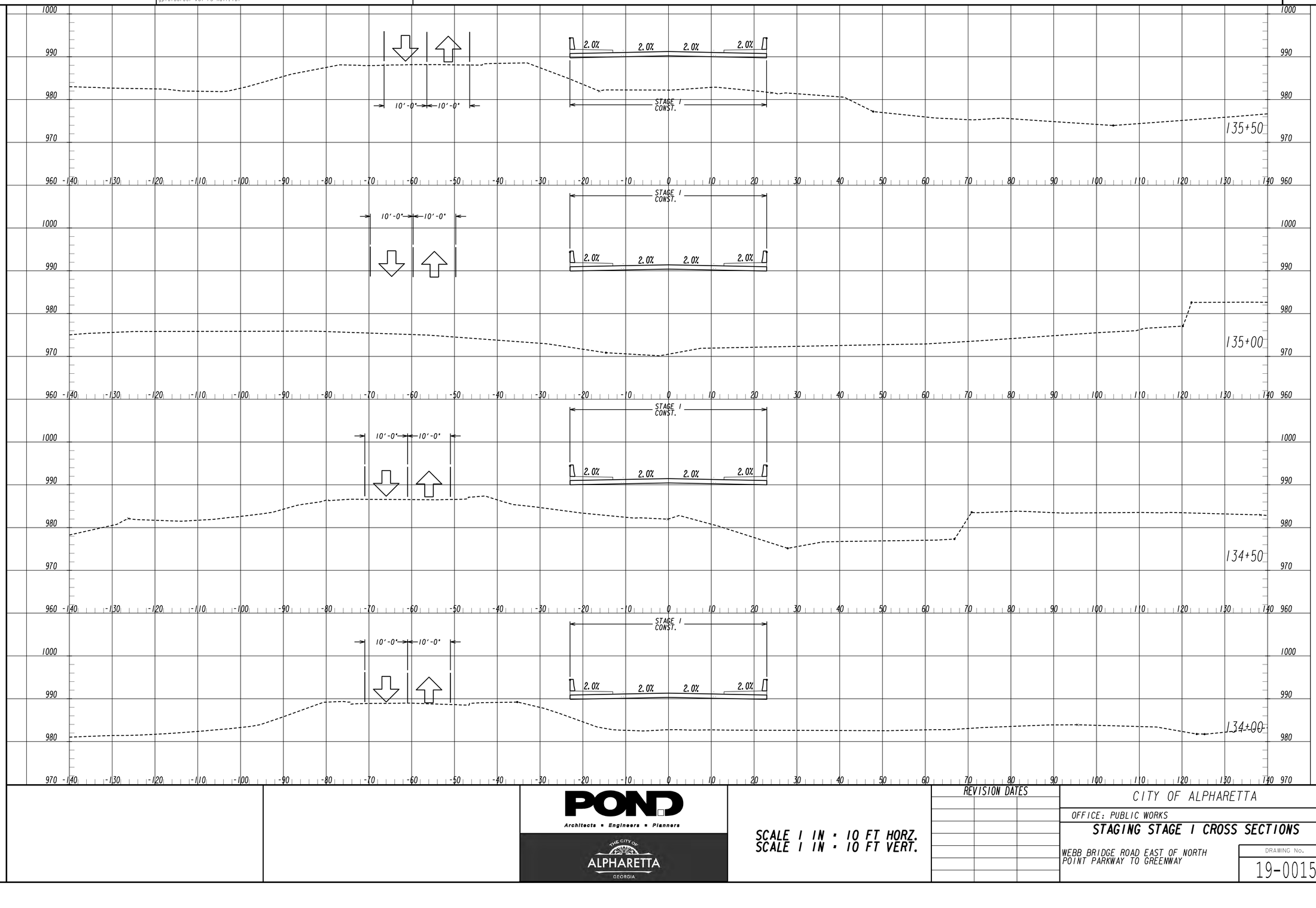
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0014



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

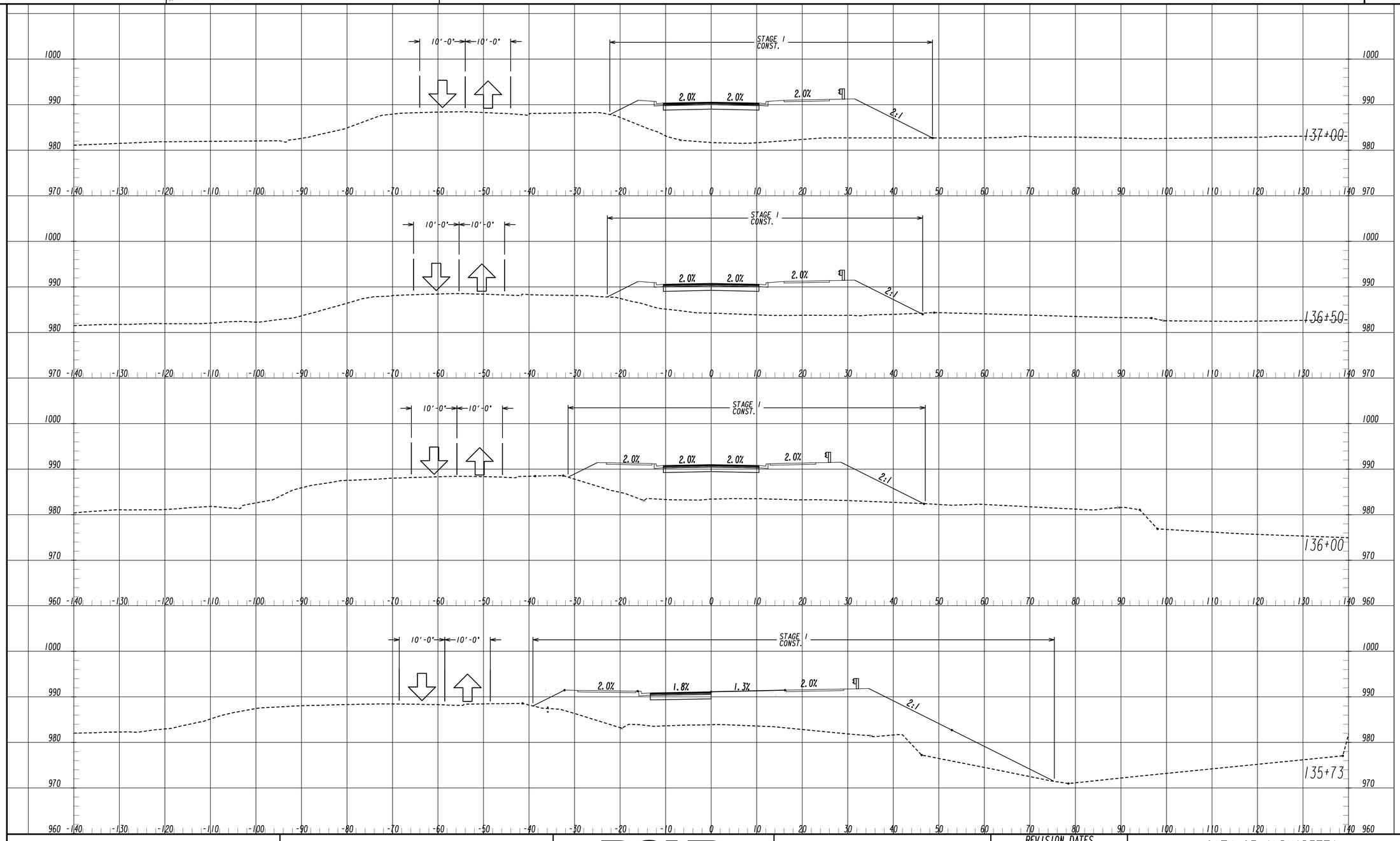
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0015

9/16/2022 7:13:33 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0002_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

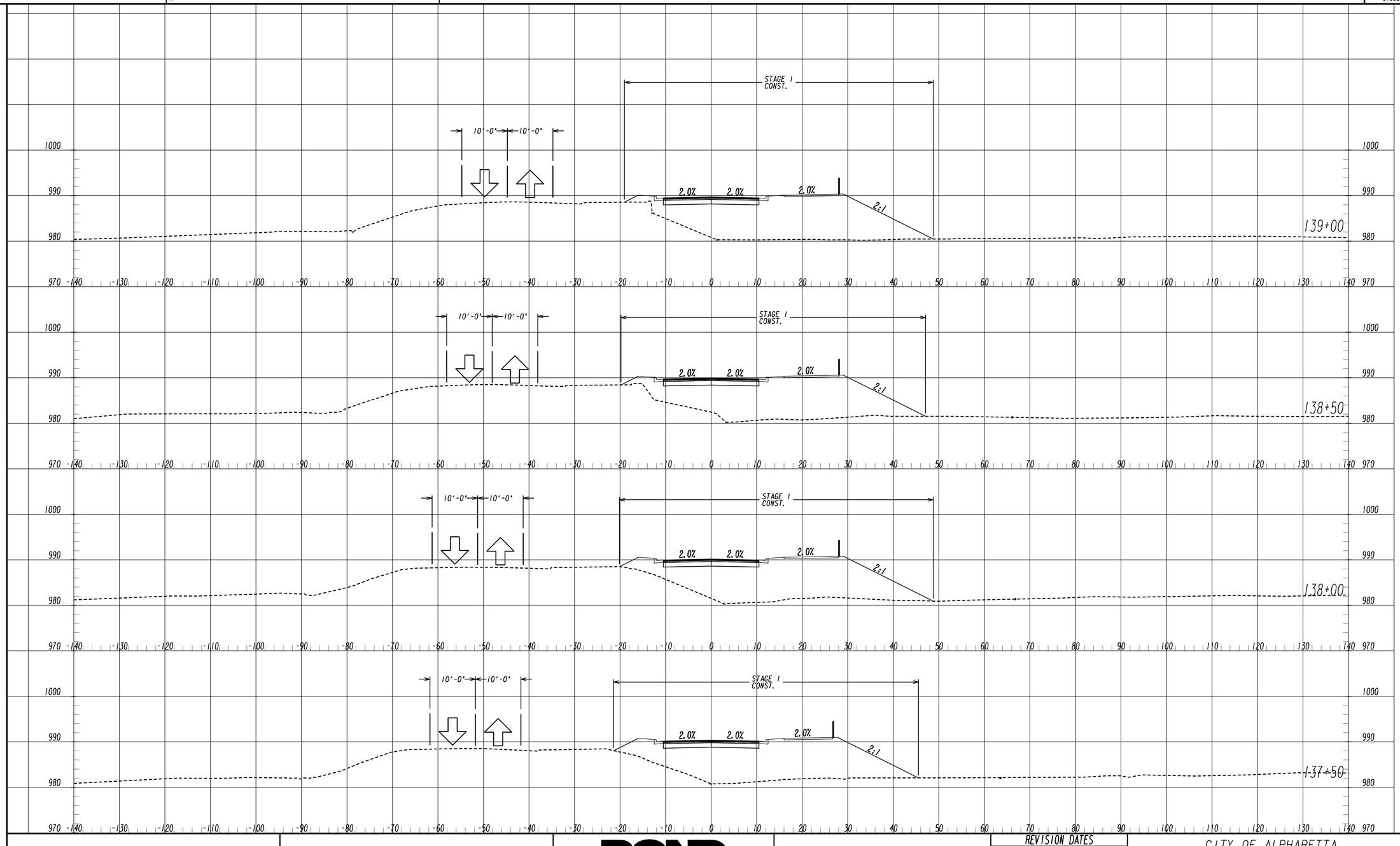
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0016



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

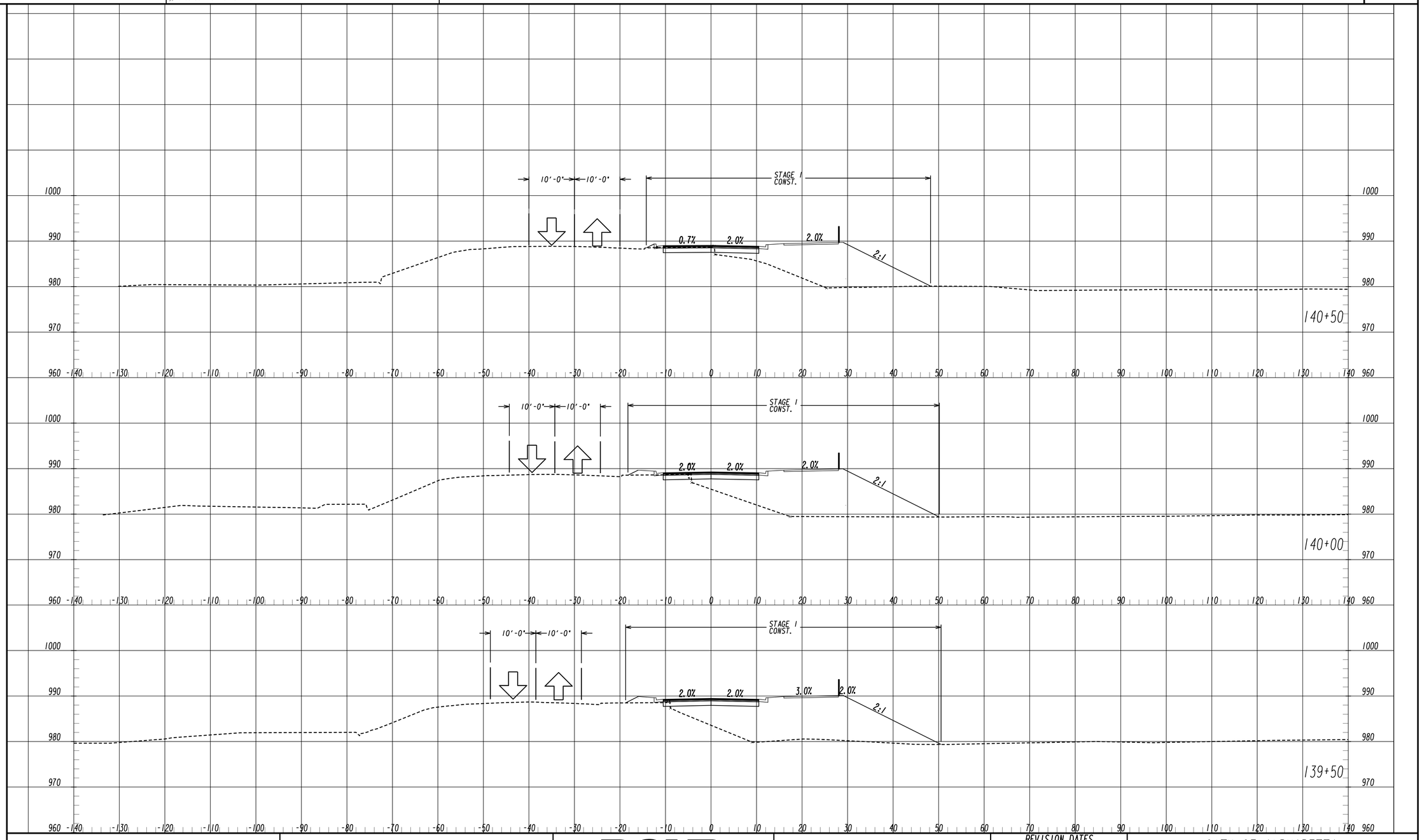
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0017



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0018

9/16/2022 7:13:42 PM
USER:Alt.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0002_STE1-XSEC.dgn

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

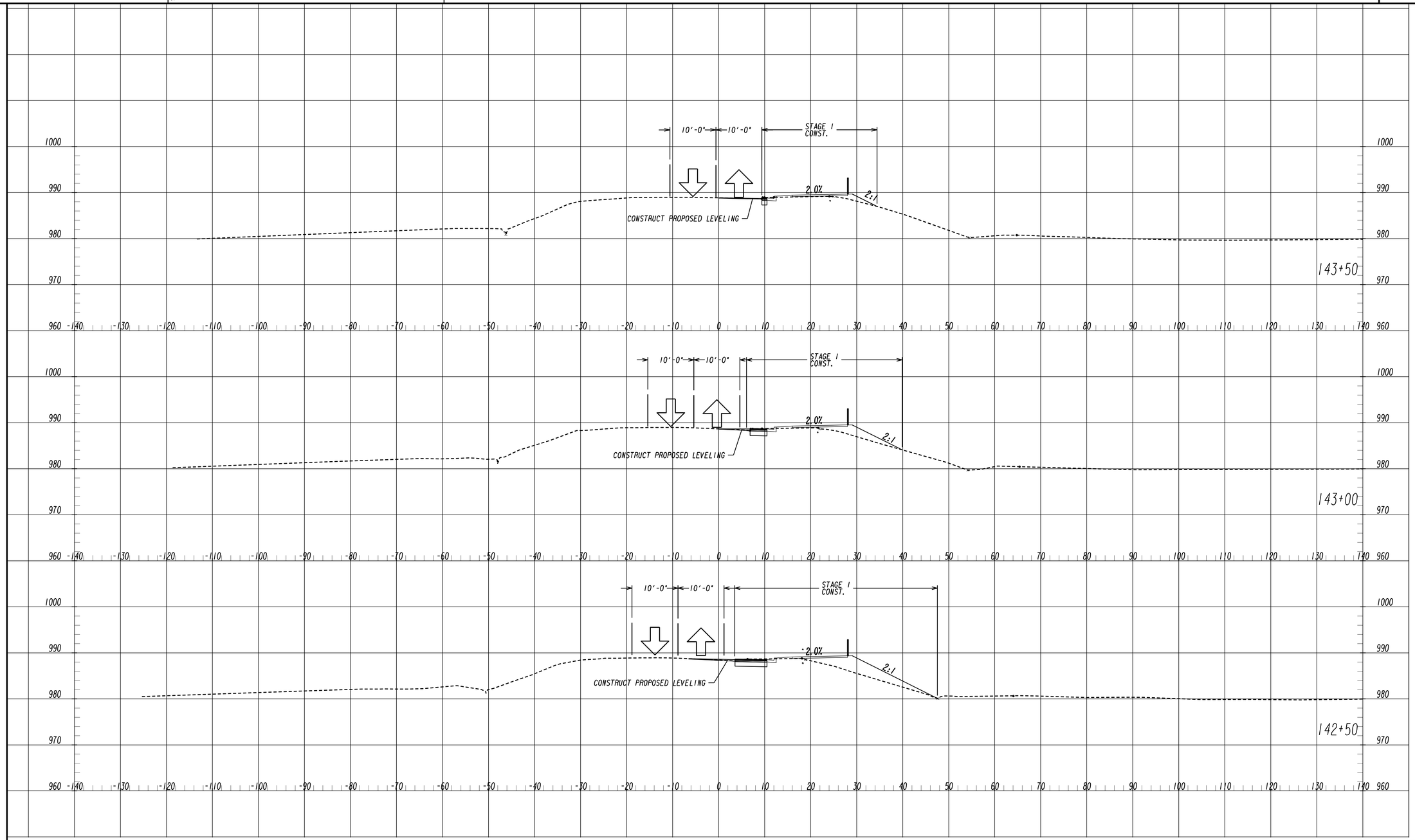
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0019



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

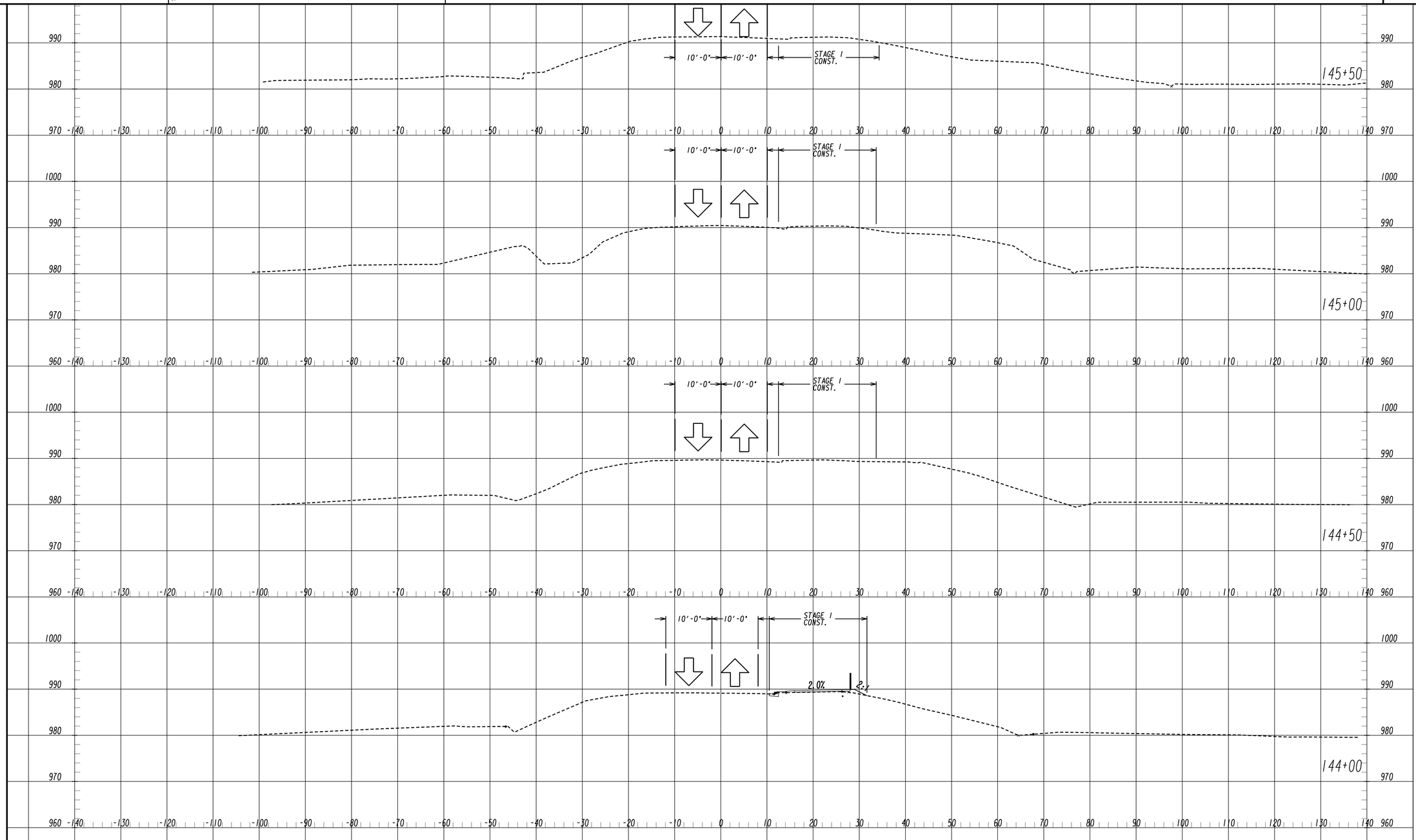
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0020

9/16/2022 7:13:48 PM
USER:Alt.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0002_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 1 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0021

STAGE 2

*. CONTRACTOR SHALL FURNISH AND INSTALL PORTABLE CHANGEABLE MESSAGE (PCM) DEVICES AT ALL THE APPROACHES OF WEBB BRIDGE ROAD (MINIMUM OF 2). MESSAGE ON THE PCM DEVICE SHALL BE COORDINATED WITH THE CITY PRIOR TO TRAFFIC SHIFTS OR SUBSTANTIAL CHANGE IN CONSTRUCTION STAGING WORK.

1. MAINTAIN TRAFFIC IN FINAL CONFIGURATION AS SHOWN.
   - -MAINTAIN 10FT LANES
   - -UTILIZE LANE CLOSURES WHERE NEEDED

2. CONSTRUCT PERMANENT AS SHOWN ON STAGING PLAN STAGE 2.
   - -COMPLETE MILL AND OVERLAY UTILIZING FLAGGING OPERATIONS
   - -CONSTRUCT REMAINING SIDEWALK

3. CONTRACTOR IS TO MAINTAIN ACCESS TO EXISTING SIDE ROADS, DRIVES, AND TRAILS AT ALL TIMES DURING CONSTRUCTION

DRAINAGE

REMOVE TEMPORARY DRAINAGE
COMPLETE ALL REMAINING AND FINAL DRAINAGE

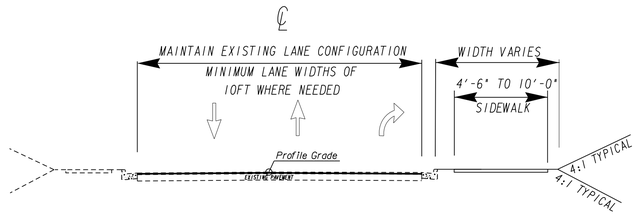
LEGEND

PERMANENT CONSTRUCTION

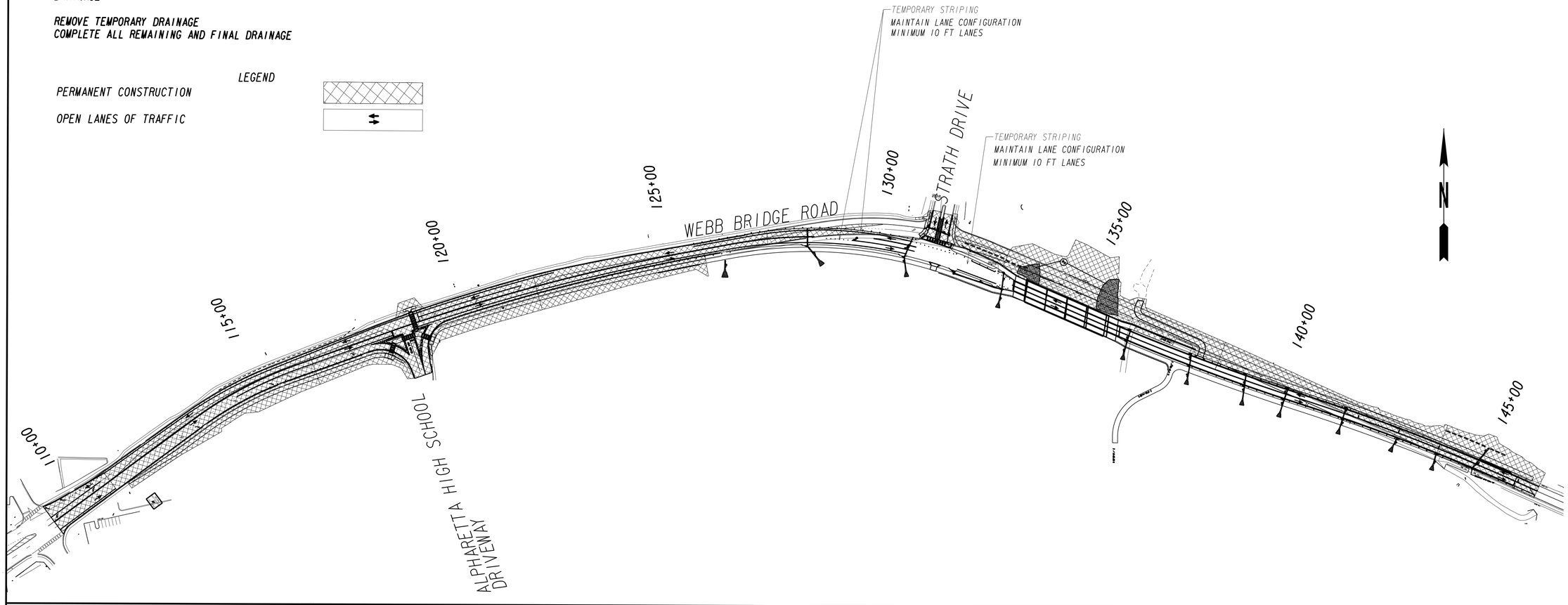
OPEN LANES OF TRAFFIC

TCTS03

STA 111+33.28 TO STA 126+62.52
WEBB BRIDGE ROAD



SEE CONSTRUCTION TYPICAL SECTIONS ON
05-0001 THRU 05-0006 FOR MATERIALS AND DIMENSIONS



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES		

CITY OF ALPHARETTA

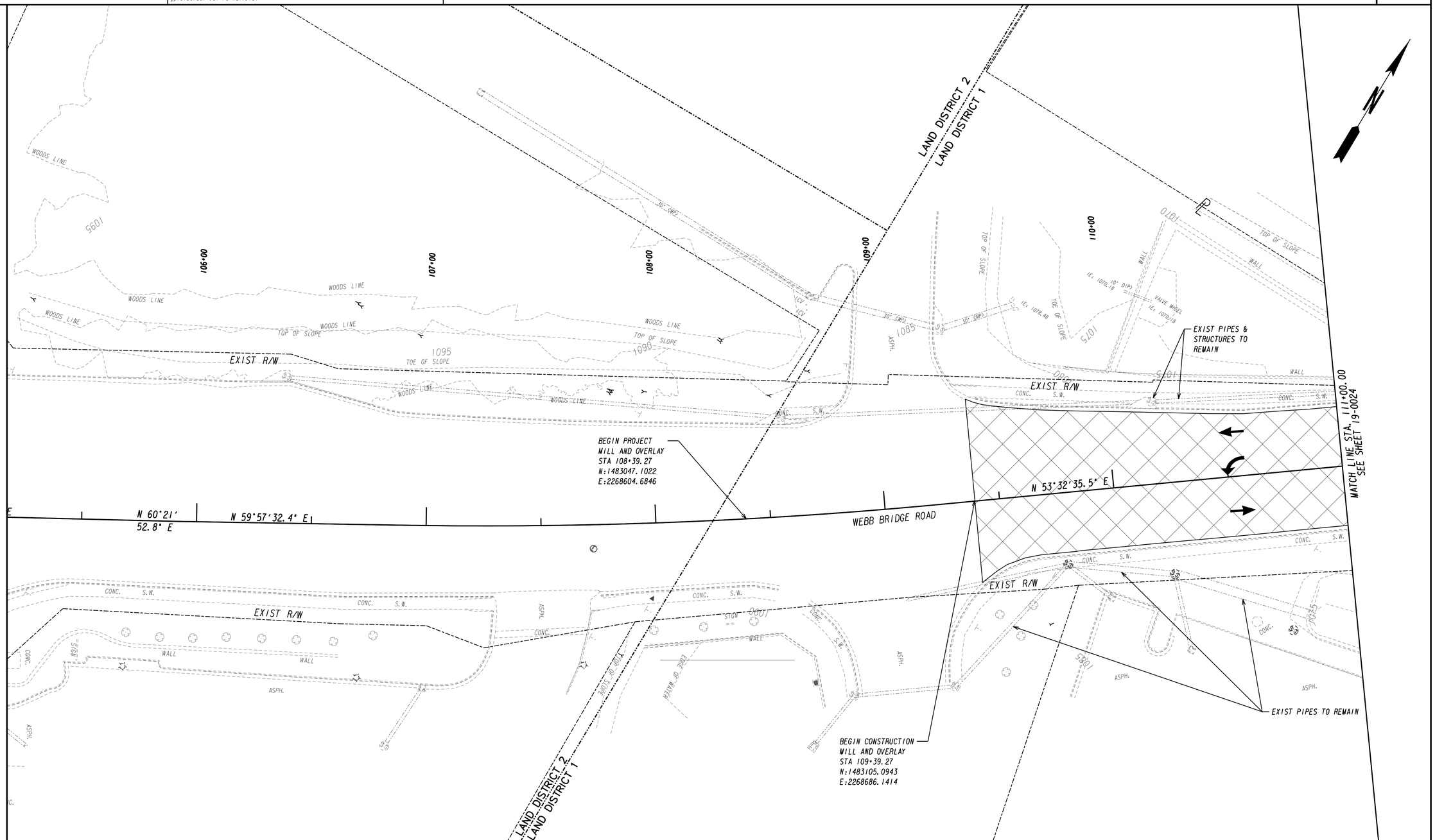
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 2 OVERVIEW

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 19-0022

9/16/2022 7:16:36 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_19-0023.dgn
USER:All.Badlee gplotborder-V8I-PO-half.tbl



PHASE 2

DIRECTION OF TRAFFIC

TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

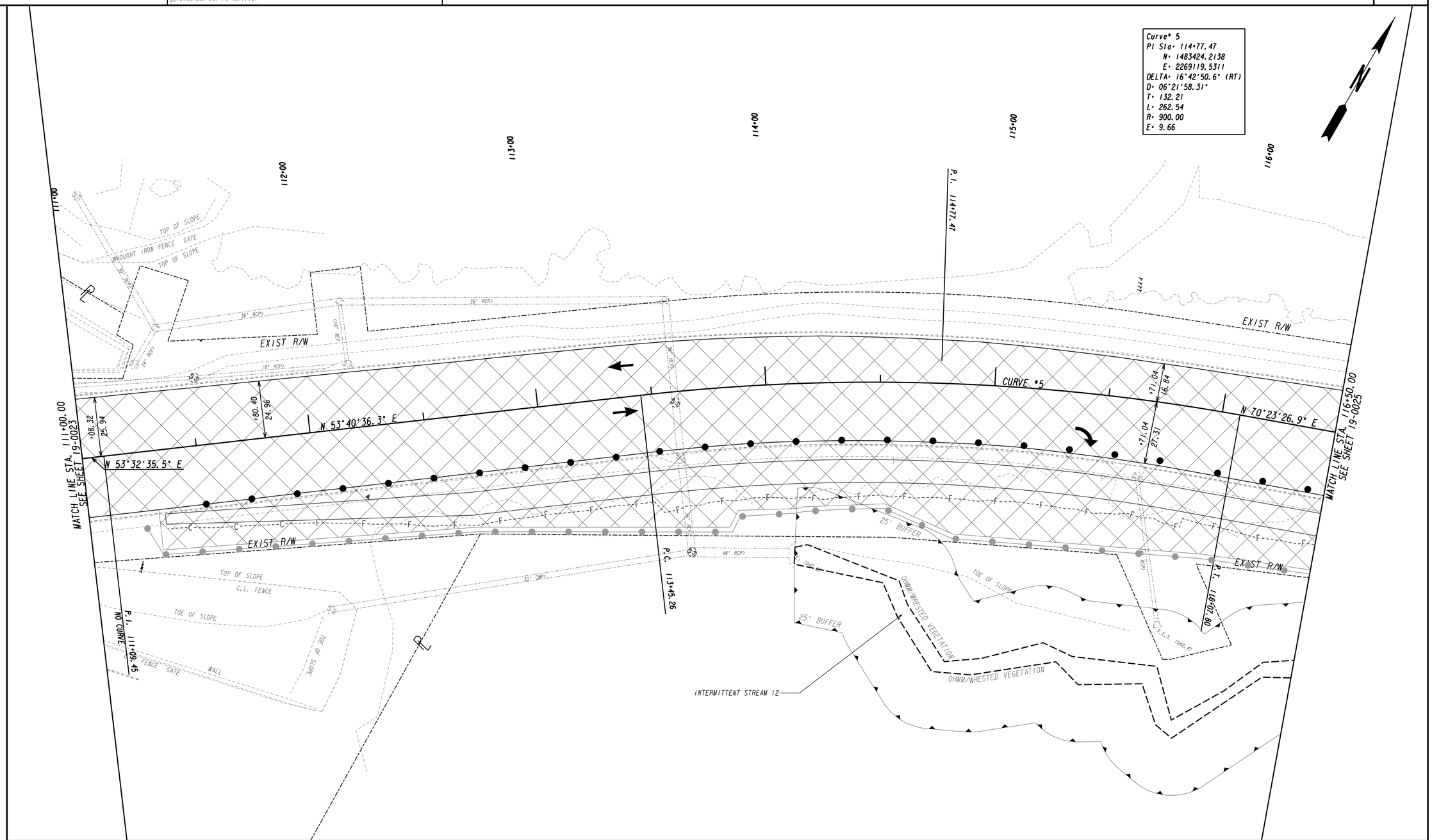
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN
STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0023

9/16/2022 7:17:39 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_19-0024.dgn
USER:All.Badlee gplotborder-V8I-PO-half.tbl



PHASE 2

DIRECTION OF TRAFFIC

TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

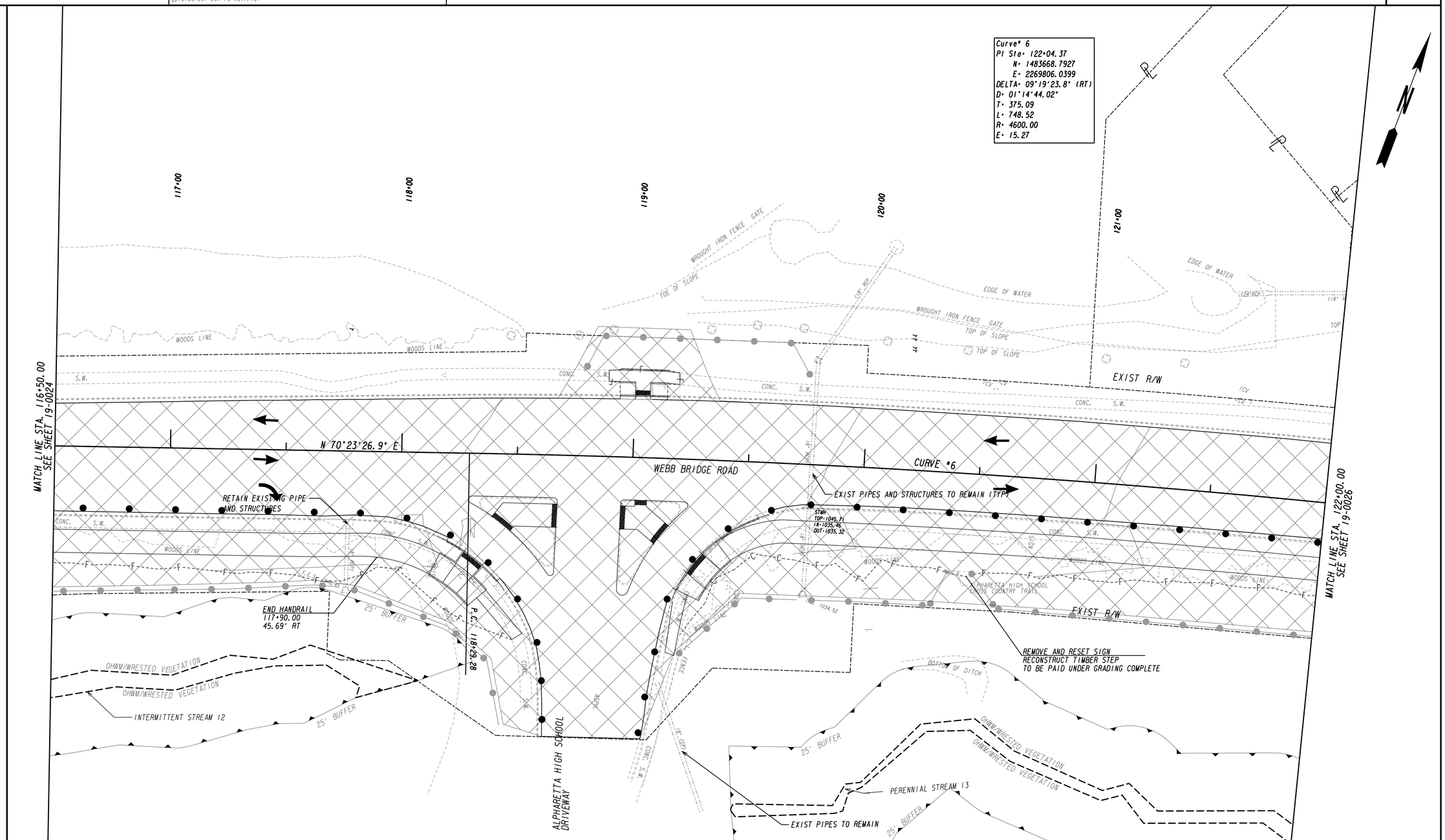
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN
STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0024

9/16/2022 7:23:09 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_19-0025.dgn
USER:All.Badlee gplotborder-V8I-PO-half.tbl



PHASE 2

DIRECTION OF TRAFFIC

TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

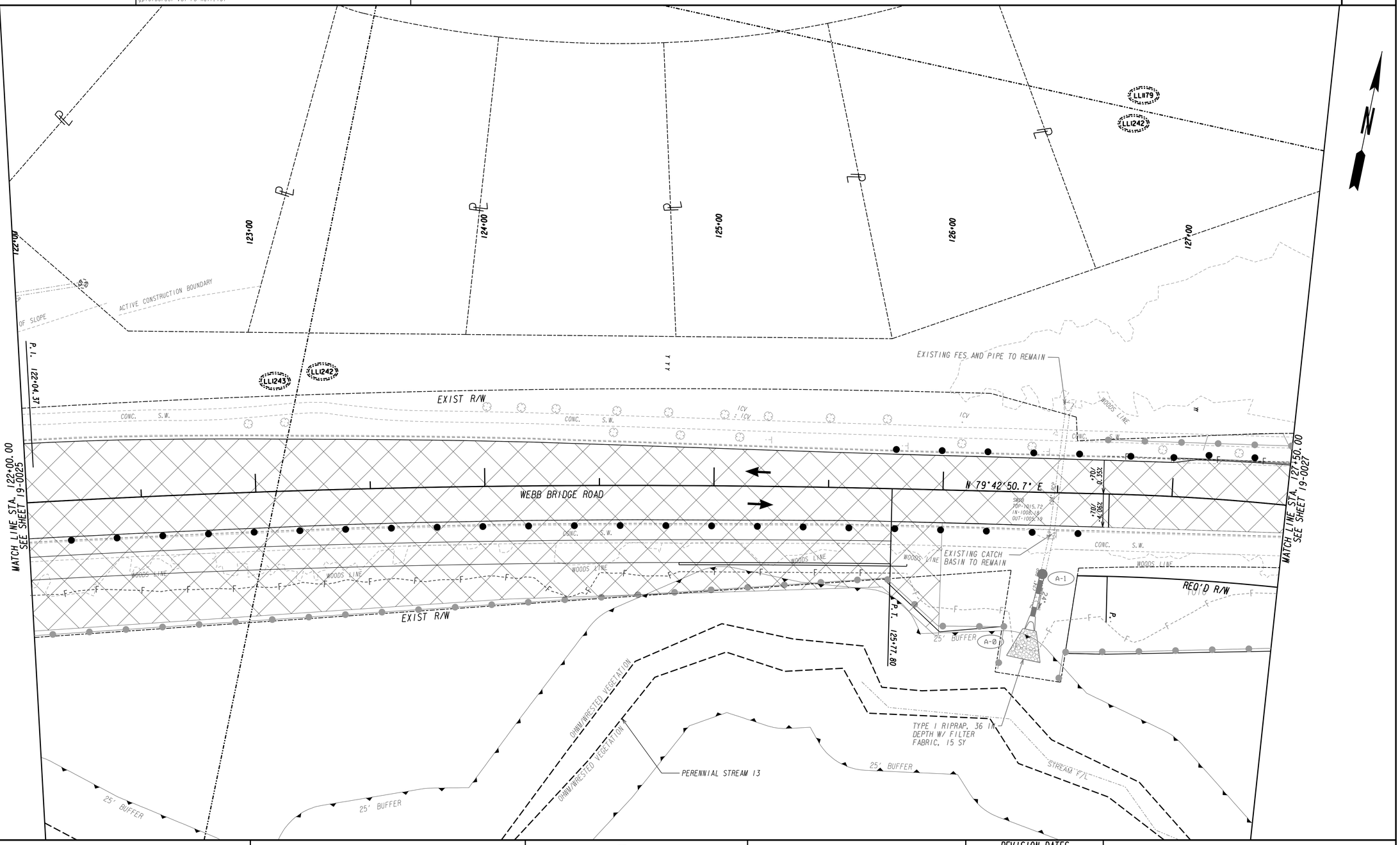
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN
STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0025



PHASE 2

DIRECTION OF TRAFFIC

TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

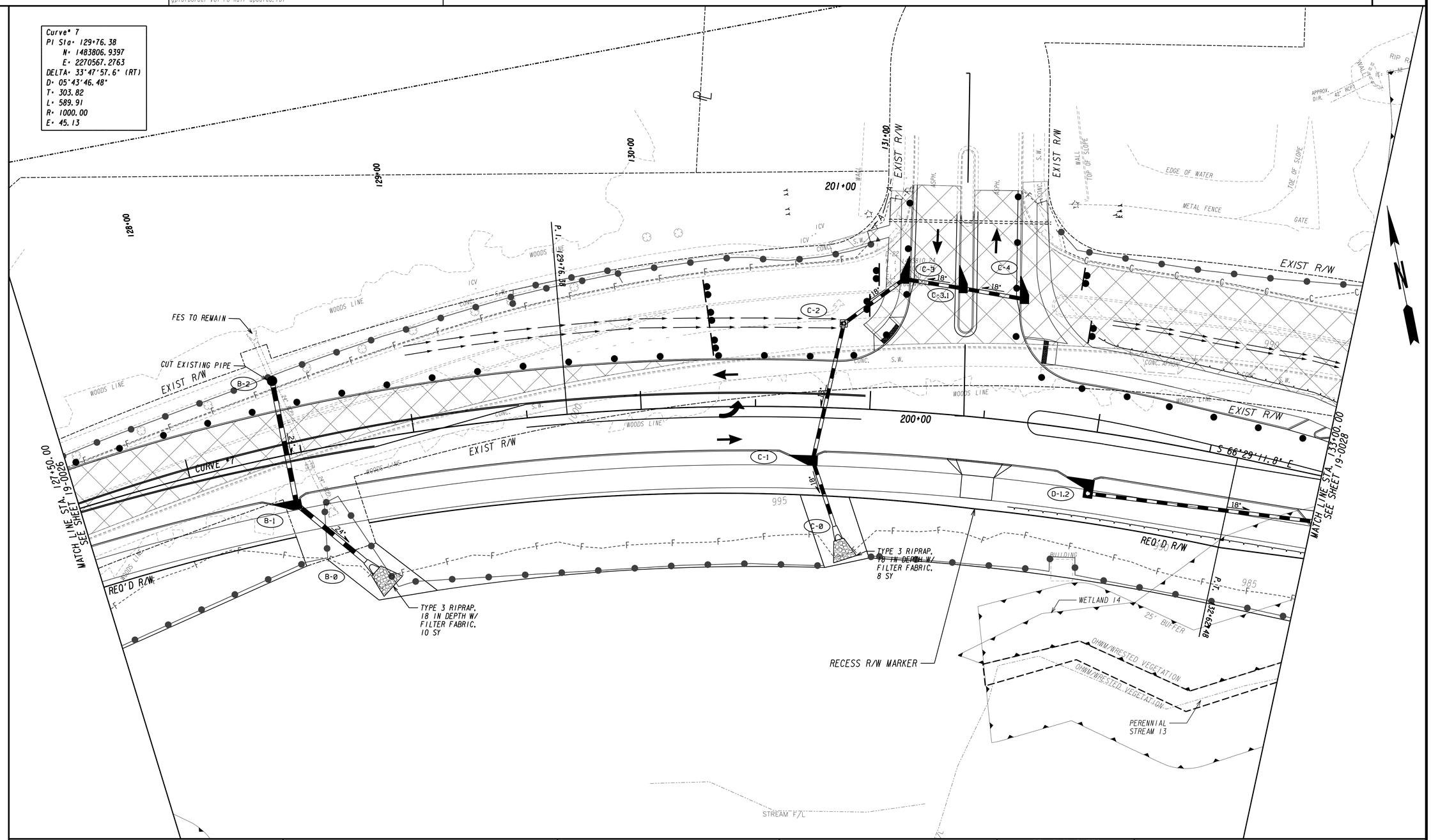
CONSTRUCTION STAGING PLAN STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0026

9/23/2022 1:32:31 PM | GPLOT-V8 | X:\FY20\1200980\04.CAD\DGN\1200980_19-0027.dgn
USER:LopezA | gplotborder-V81-PO-half-updated.tbl

Curve# 7
PI Sta: 129+76.38
N: 1483806.9397
E: 2270567.2763
DELTA: 33°47'57.6" (RT)
D: 05°43'46.48"
T: 303.82
L: 589.91
R: 1000.00
E: 45.13



PHASE 2
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		

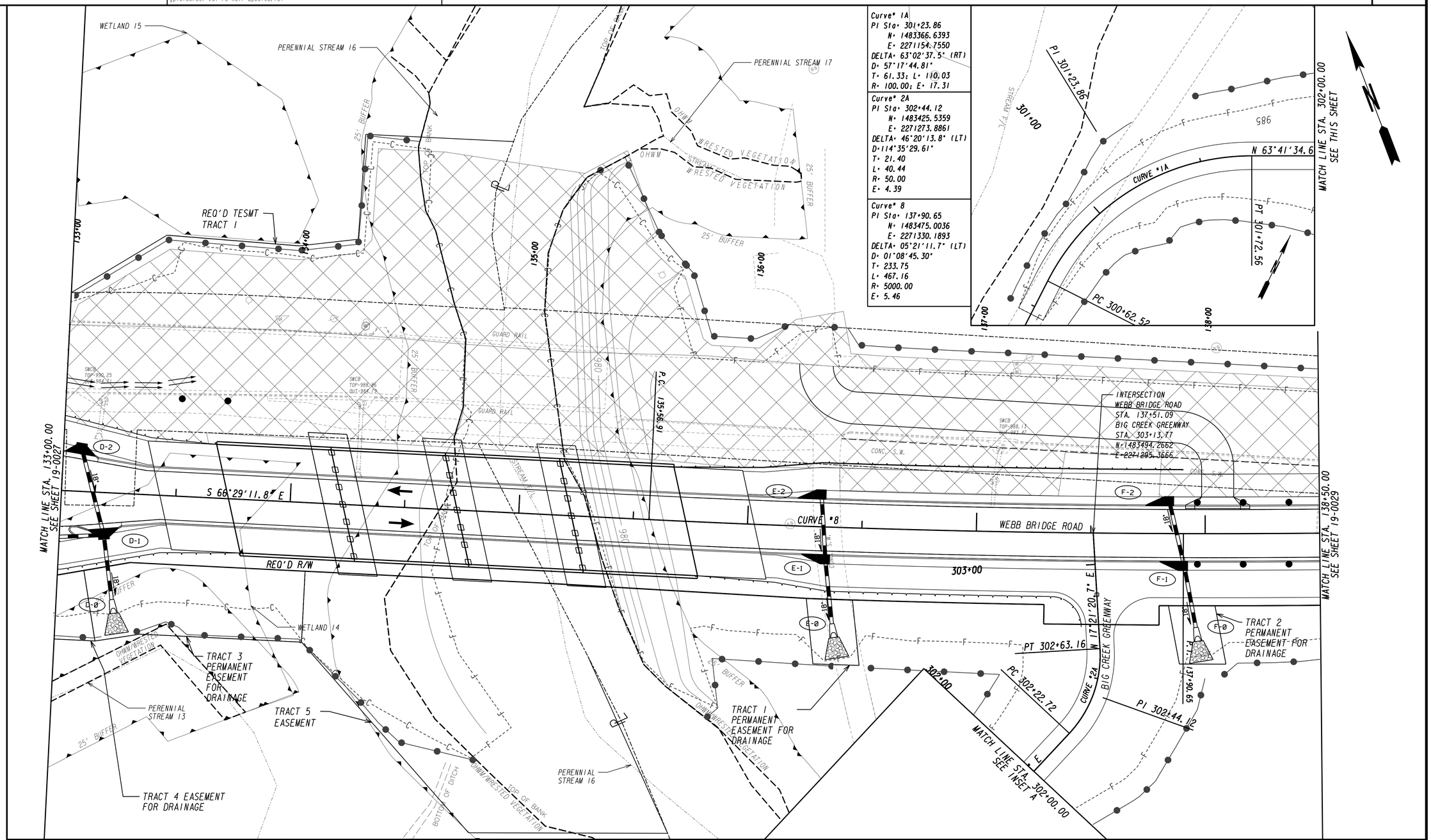
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 19-0027

9/23/2022 1:45:05 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_19-0028.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



Curve# 1A
PI Sta= 301+23.86
N= 1483366.6393
E= 2271154.7550
DELTA= 63°02'37.5" (RT)
D= 57°17'44.81"
T= 61.33; L= 110.03
R= 100.00; E= 17.31

Curve# 2A
PI Sta= 302+44.12
N= 1483425.5359
E= 2271273.8861
DELTA= 46°20'13.8" (LT)
D=114°35'29.61"
T= 21.40
L= 40.44
R= 50.00
E= 4.39

Curve# 8
PI Sta= 137+90.65
N= 1483475.0036
E= 2271330.1893
DELTA= 05°21'11.7" (LT)
D= 01°08'45.30"
T= 233.75
L= 467.16
R= 5000.00
E= 5.46

PHASE 2
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0028

Curve* 8
PI Sta* 137+90.65
N* 1483475.0036
E* 2271330.1893
DELTA* 05°21'11.7" (LT)
D* 01°08'45.30"
T* 233.75
L* 467.16
R* 5000.00
E* 5.46

Curve* 9
PI Sta* 143+39.70
N* 1483303.7741
E* 2271852.2104
DELTA* 05°55'56.8" (RT)
D* 01°12'22.42"
T* 246.13
L* 491.82
R* 4750.00
E* 6.37

WETLAND 18
139+00
140+00
141+00
142+00
143+00
TOE OF SLOPE
WOODS LINE
EXIST R/W
P.T. 140+24.06
P.I. 143+39.70
MATCH LINE STA. 138+50.00
SEE SHEET 19-0028
MATCH LINE STA. 144+00.00
SEE SHEET 19-0030
G-2
H-2
I-2
G-1
H-1
I-1
G-0
H-0
I-0
J-1
J-0
CURVE #8
CURVE #9
S 71°50'23.15" E
WEBB BRIDGE ROAD
HANDRAIL
WALL
CONC. R/W
TOP OF SLOPE
3.5' LANDSCAPED STRIP
12' SIDEWALK
5' LANDSCAPED STRIP
P.C. 140+93.57
WETLAND 19
END WIDENING
STA 143+73.62
END HANDRAIL
144+00.00
28.00 RT

PHASE 2
DIRECTION OF TRAFFIC
TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0029

9/23/2022 2:59:47 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0030.dgn

WETLAND 20

WETLAND 18

WETLAND 19

144+00

145+00

146+00

146+78

POE 146+77.96

MATCH LINE STA. 144+00.00
SEE SHEET 19-0029

END SIDEWALK
TIE TO EXISTING
END HANDRAIL
146+29.18
26.00' LT

END 24" C&G
TIE TO EXISTING
146+30.27
10.50' LT

EXIST R/W

WOODS LINE

TOP OF SLOPE

L-3

L-2

L-1

K-1

K-2

M-1

10' SIDEWALK

5' LANDSCAPED STRIP

WEBB BRIDGE ROAD

3.5' LANDSCAPED STRIP

GUARD RAIL

CONC. S.W.

RECONSTRUCT CATCH BASIN TOP

EXISTING PIPE TO REMAIN

SEPARATOR

WALL

TOE OF SLOPE

SIGN

PX CALL BOX

6 INCH PVC

S 65°54'26.7" E

PHASE 2

DIRECTION OF TRAFFIC

TEMPORARY BARRIER

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

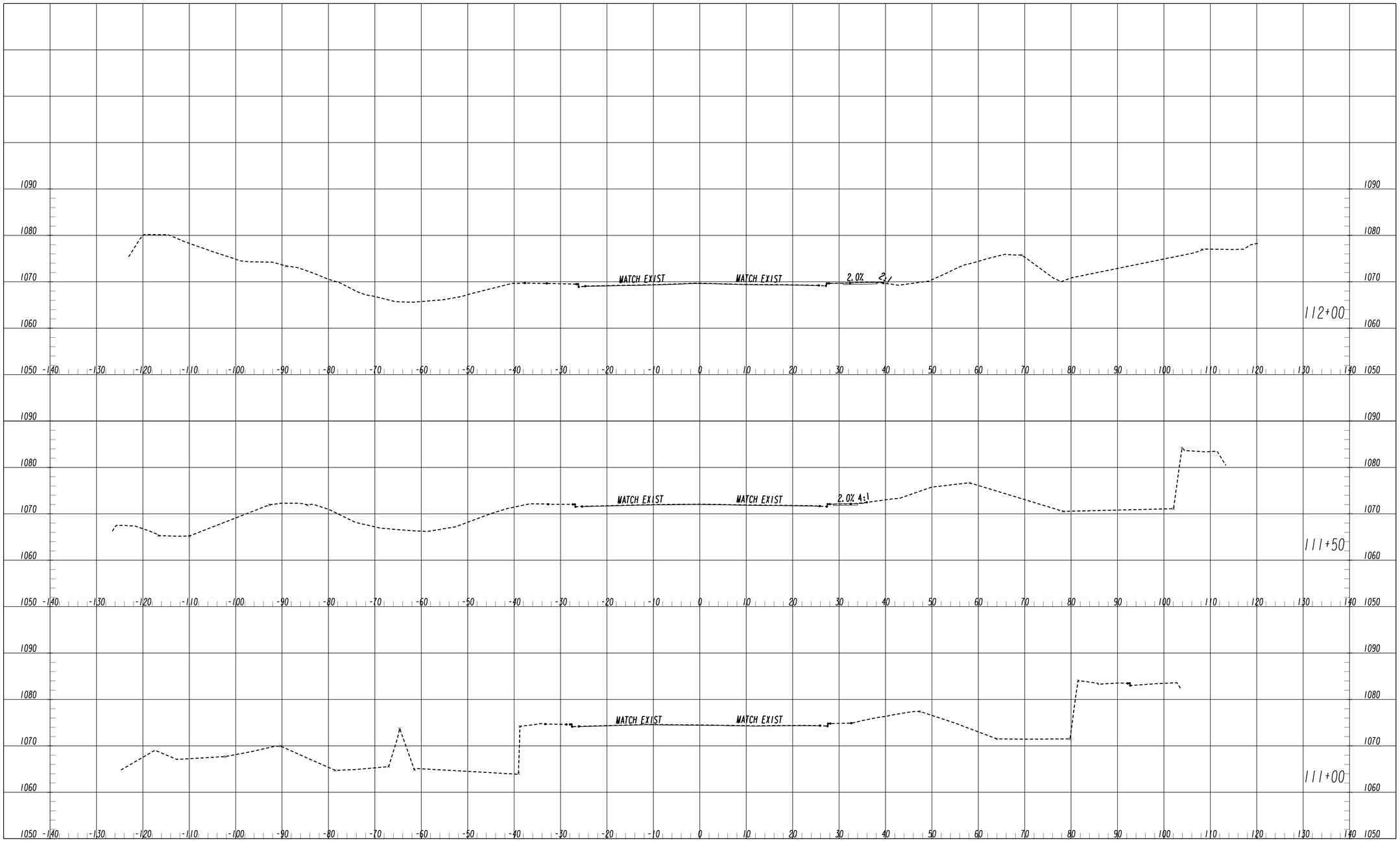
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

CONSTRUCTION STAGING PLAN STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
19-0030



4/15/2020 GRIEDG

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

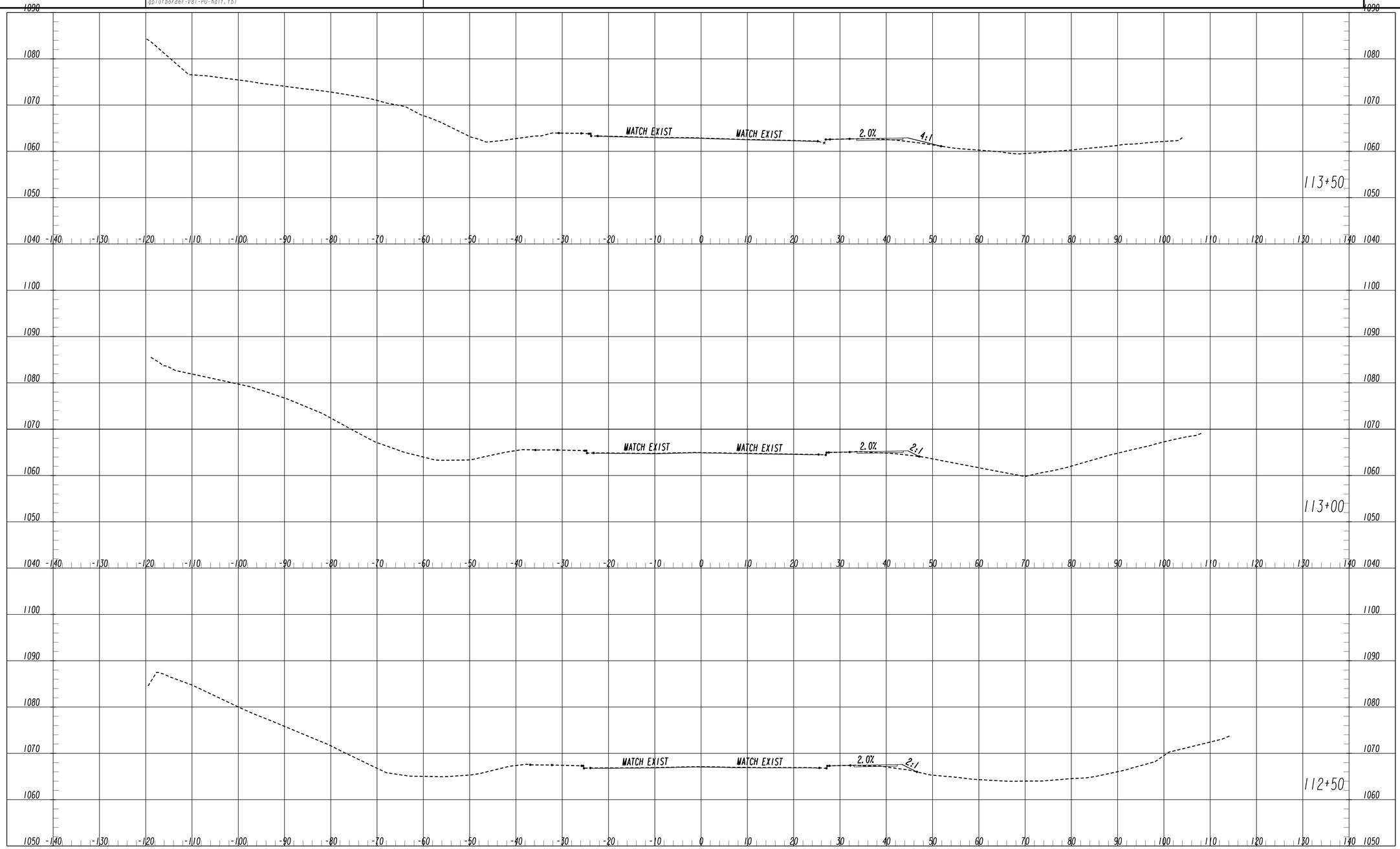
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0031

9/16/2022 7:30:01 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\I200980\04.CAD\DGN\I200980_19-0013_STEI-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

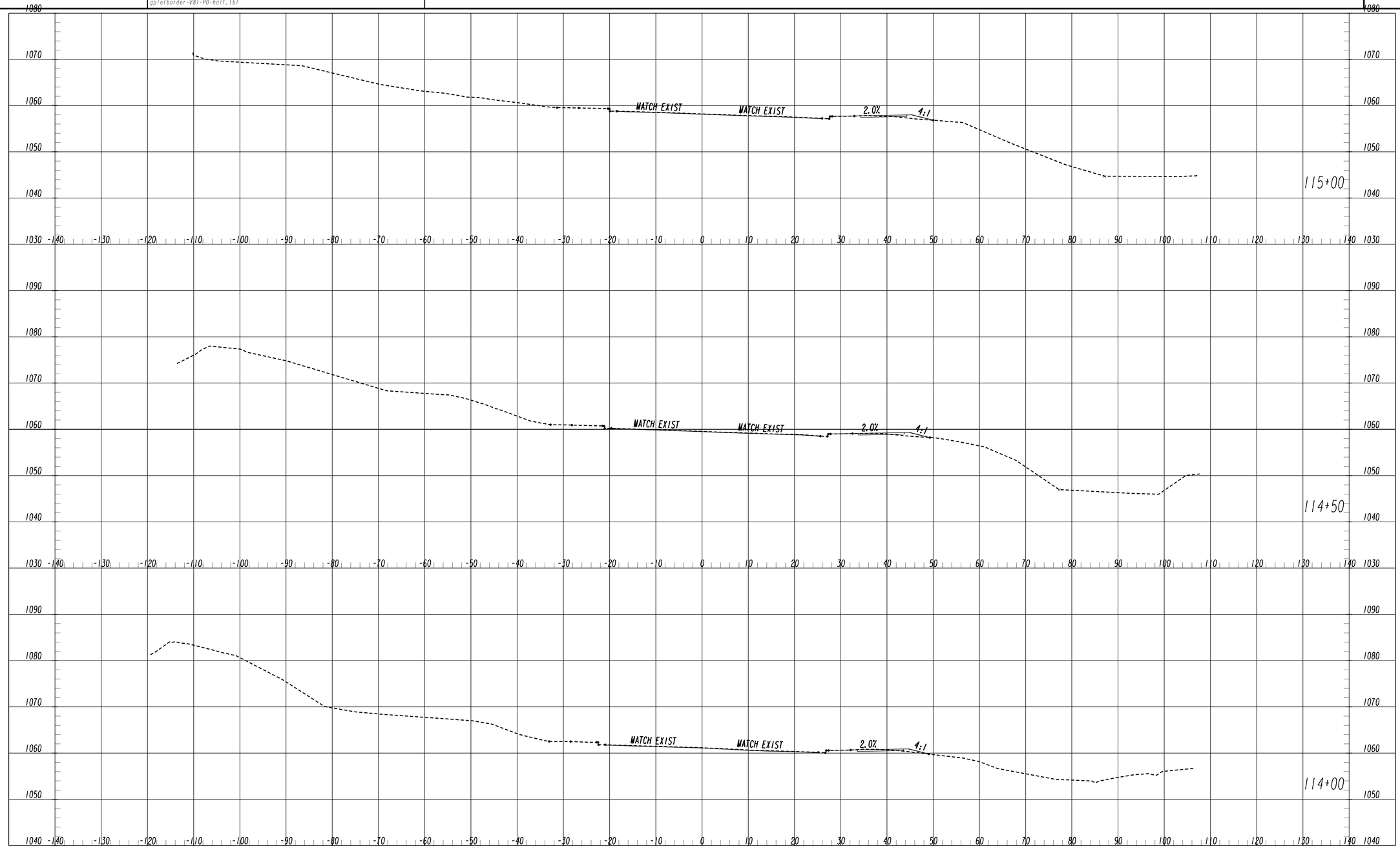
DRAWING No.
19-0032

4/30/2018 GRIEDG

9/16/2022 7:30:07 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\I200980\04.CAD\DGN\I200980_19-0013_STEI-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

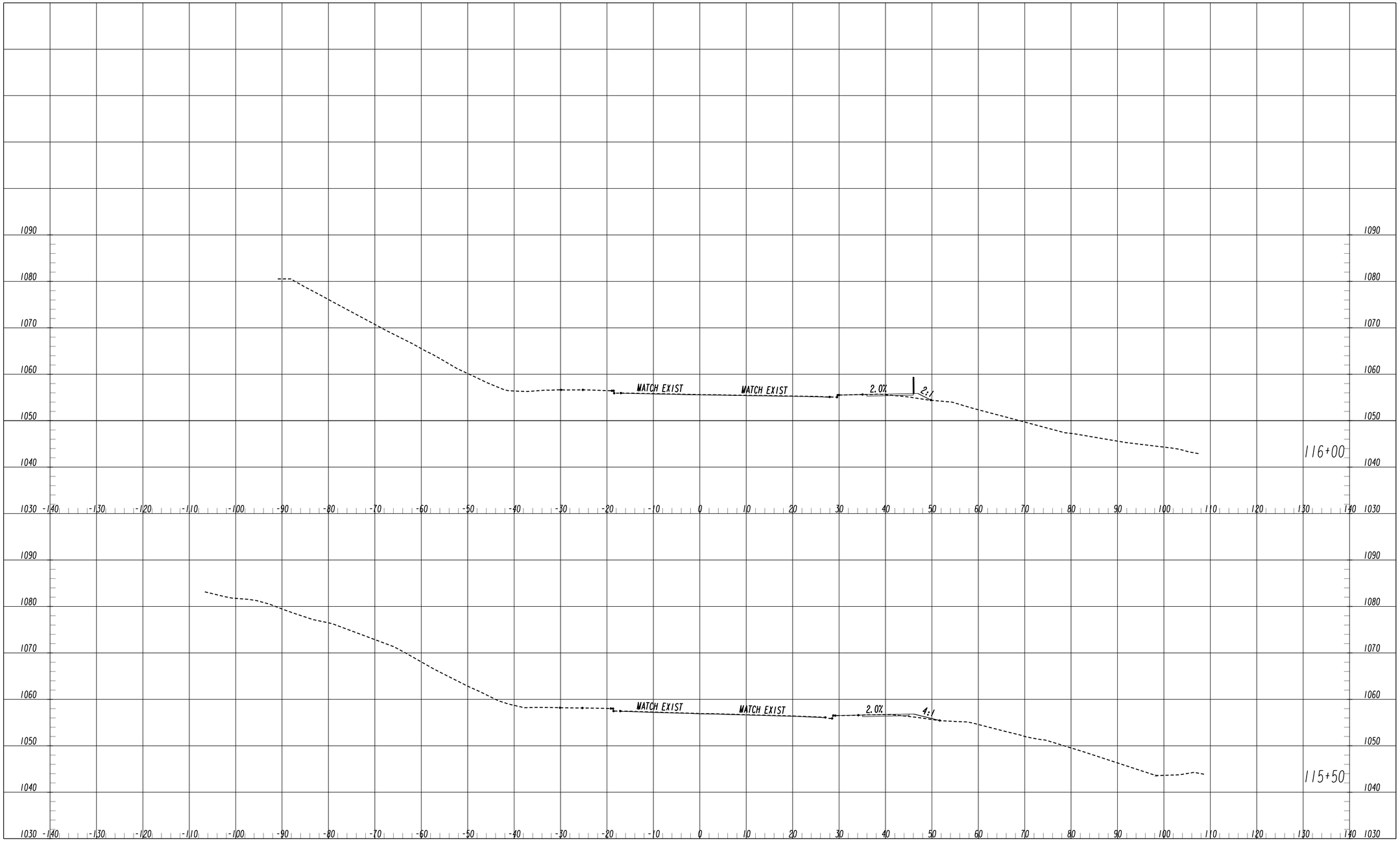
DRAWING No.
19-0033

4/30/2018 GRIEDG

9/16/2022 7:30:12 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



4/15/2020 GRIEDG

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

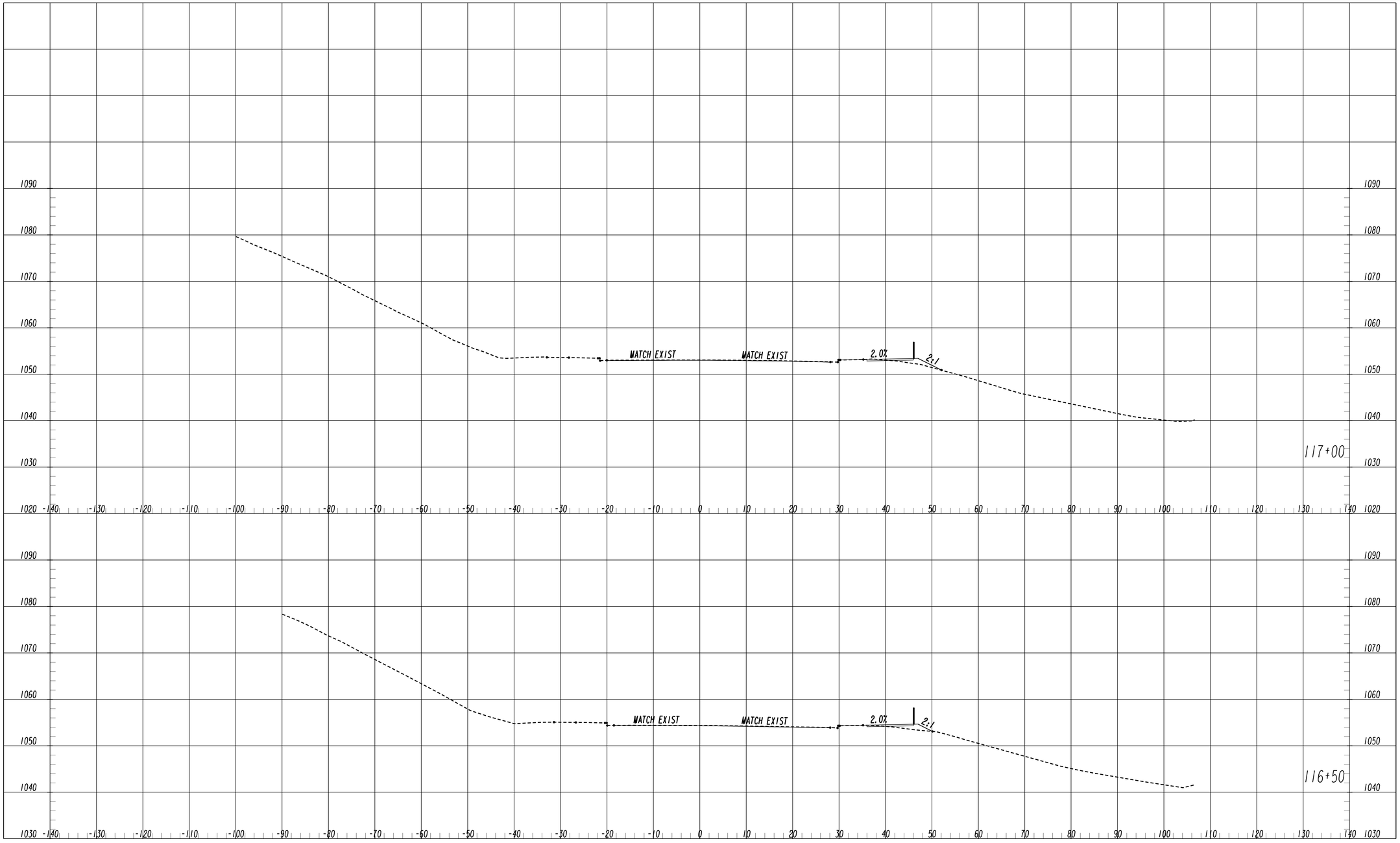
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0034

9/16/2022 7:30:18 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\I200980\04.CAD\DGN\I200980_19-0013_STEI-XSEC.dgn



4/15/2020 GRIEDG

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

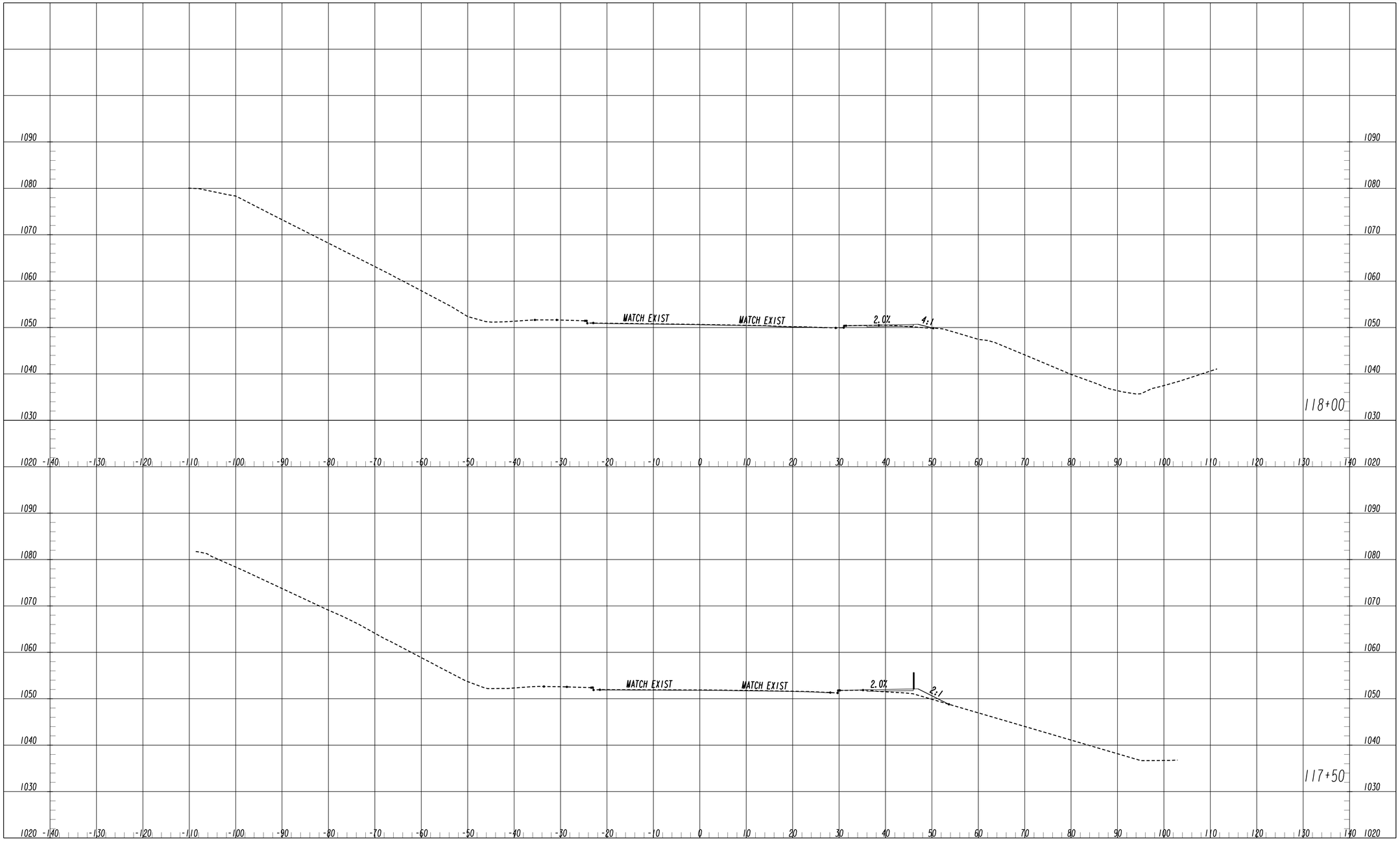
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0035

9/16/2022 7:30:24 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

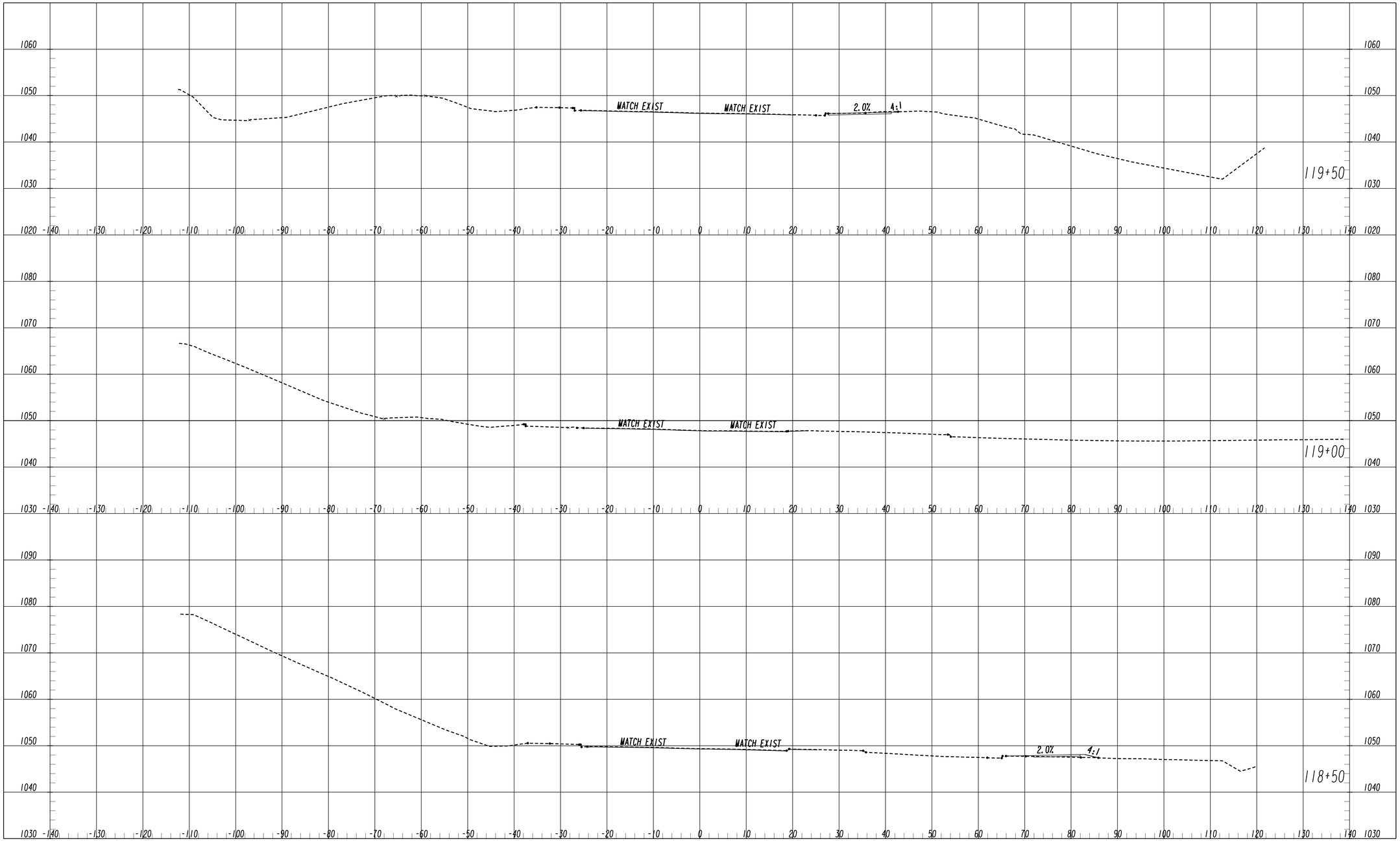
DRAWING No.
19-0036

4/30/2018 GRIEDG

9/16/2022 7:30:29 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



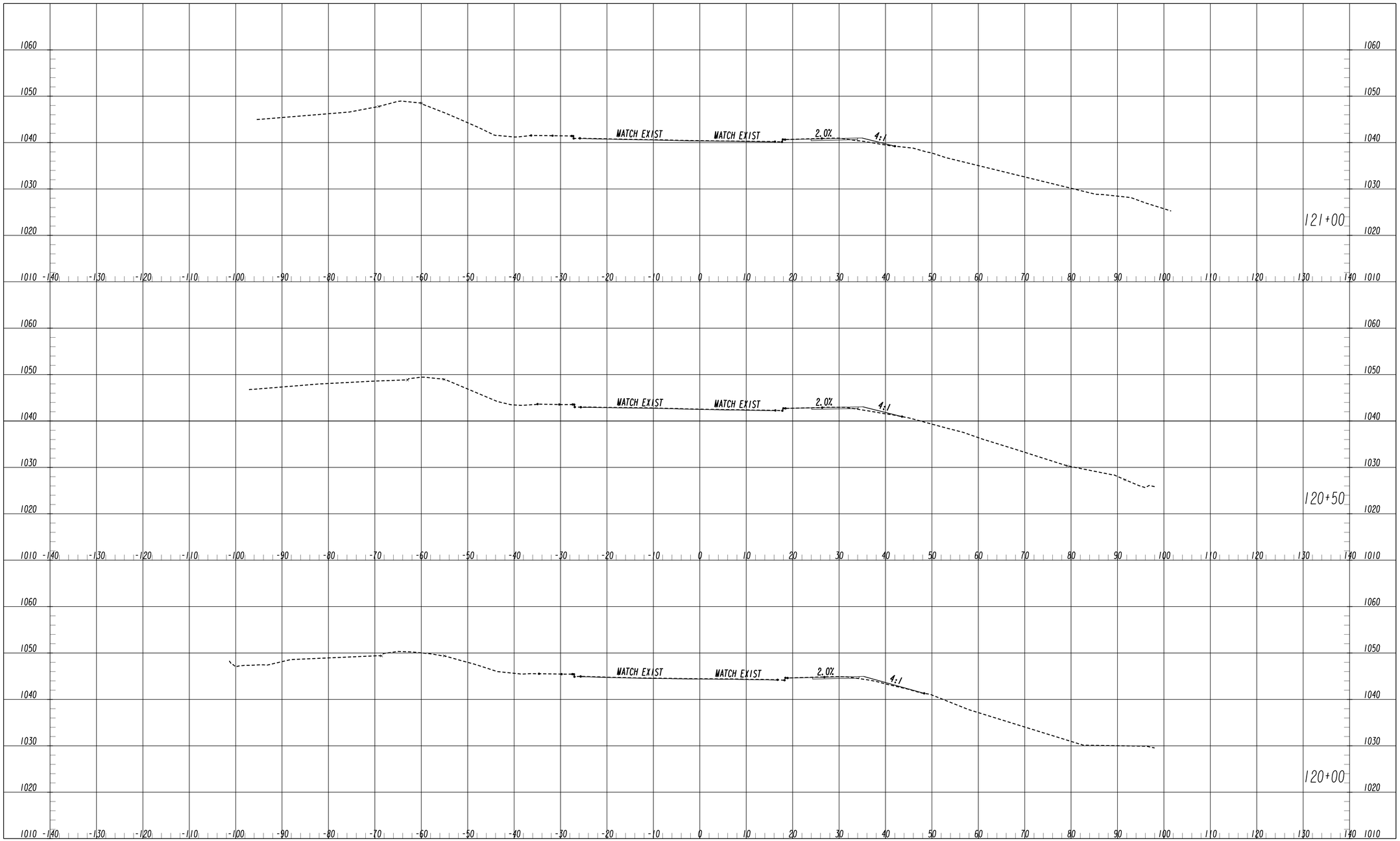
		POND Architects ▪ Engineers ▪ Planners	SCALE 1 IN : 10 FT HORZ. SCALE 1 IN : 10 FT VERT.	REVISION DATES	CITY OF ALPHARETTA OFFICE: PUBLIC WORKS STAGING STAGE 2 CROSS SECTIONS WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY DRAWING No. 19-0037

4/15/2020 GRIEDG

9/16/2022 7:30:35 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



		POND Architects ▪ Engineers ▪ Planners THE CITY OF ALPHARETTA GEORGIA	SCALE 1 IN = 10 FT HORZ. SCALE 1 IN = 10 FT VERT.	REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

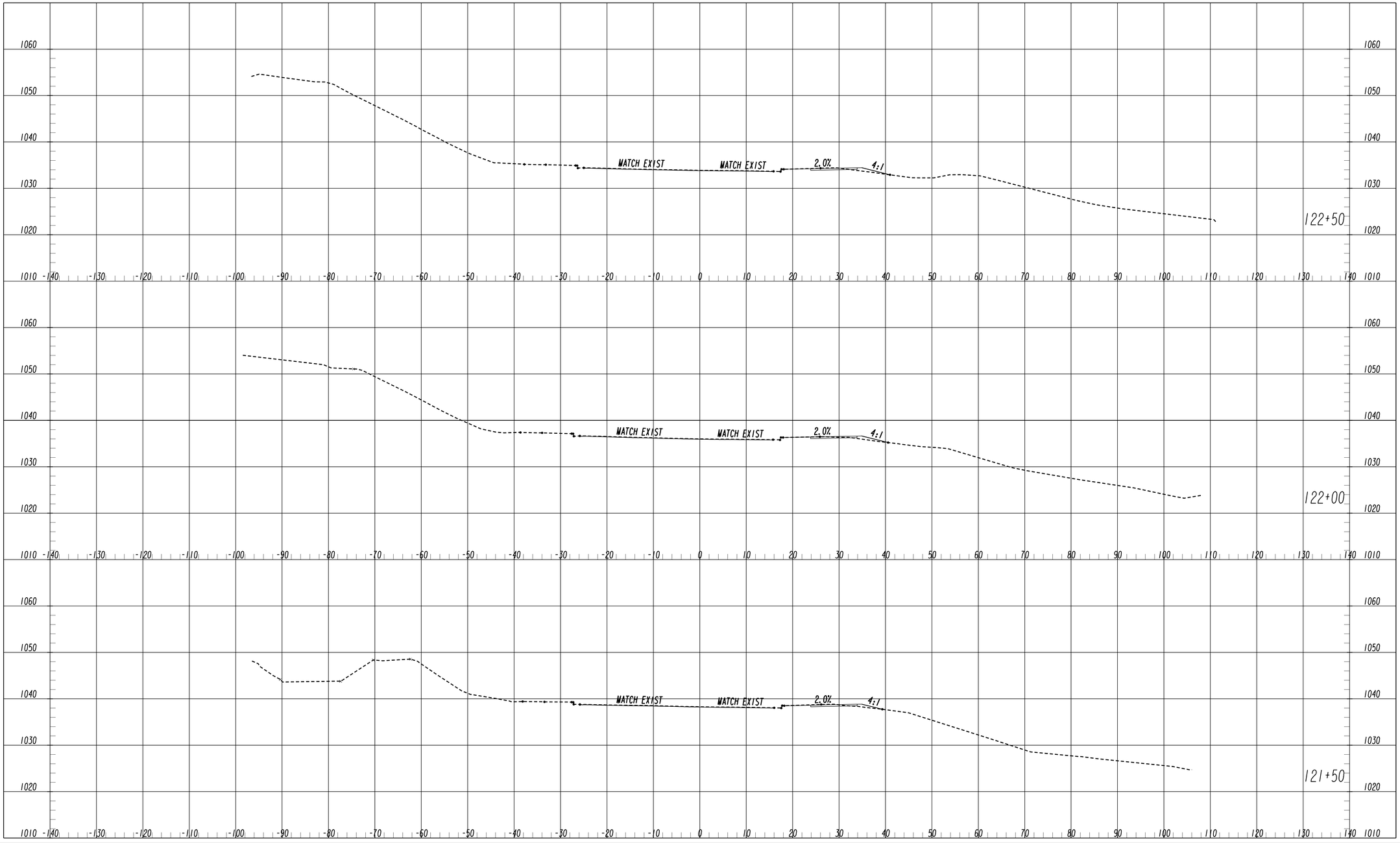
DRAWING No.
19-0038

4/13/2016 GRIEDG

9/16/2022 7:30:41 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\I200980\04.CAD\DGN\I200980_19-0013_STEI-XSEC.dgn



4/15/2020 GRIEDG

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

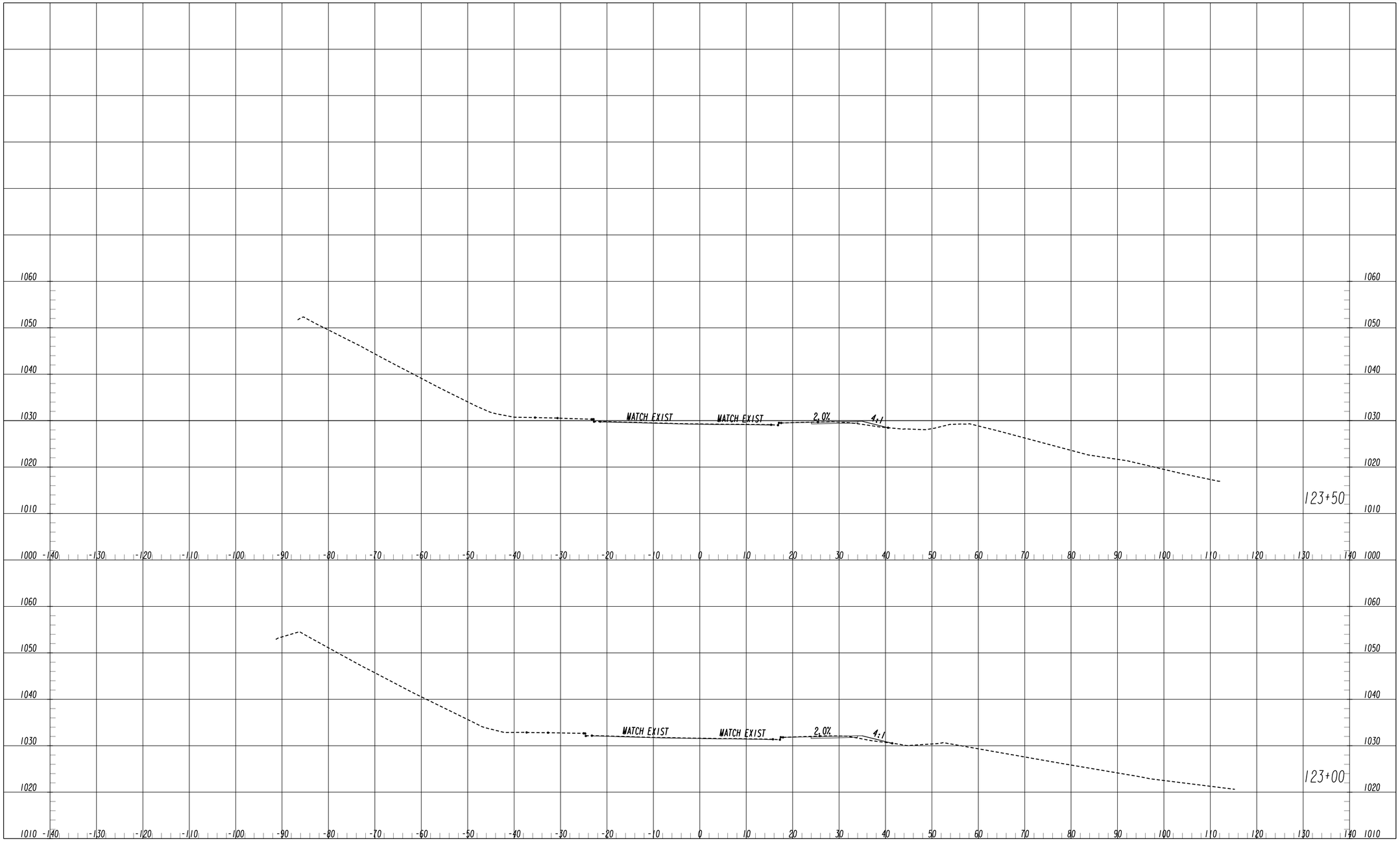
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0039

9/16/2022 7:30:46 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

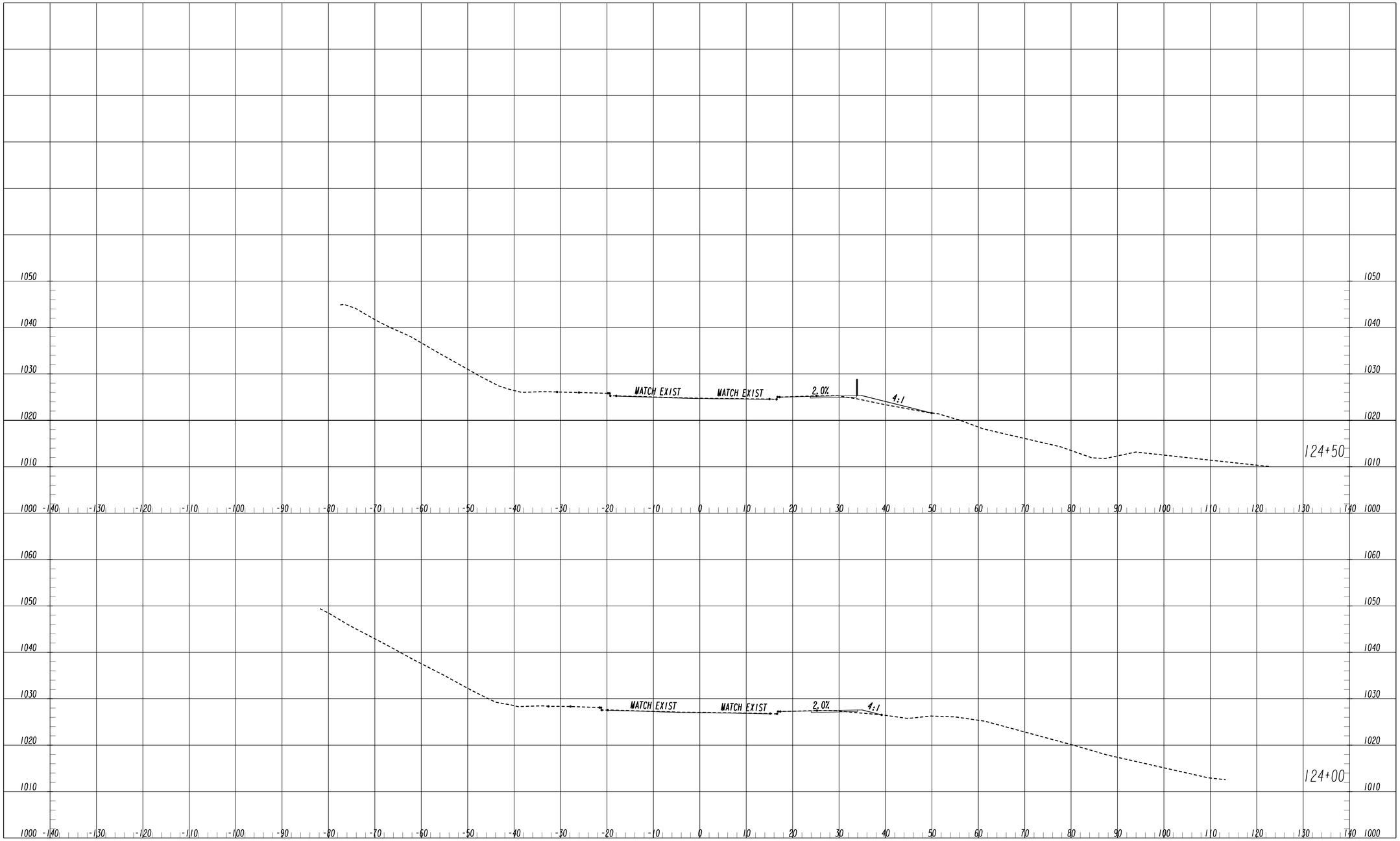
DRAWING No.
19-0040

4/5/2022 GRIEDG

9/16/2022 7:30:52 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



4/30/2018 GRIEDG

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

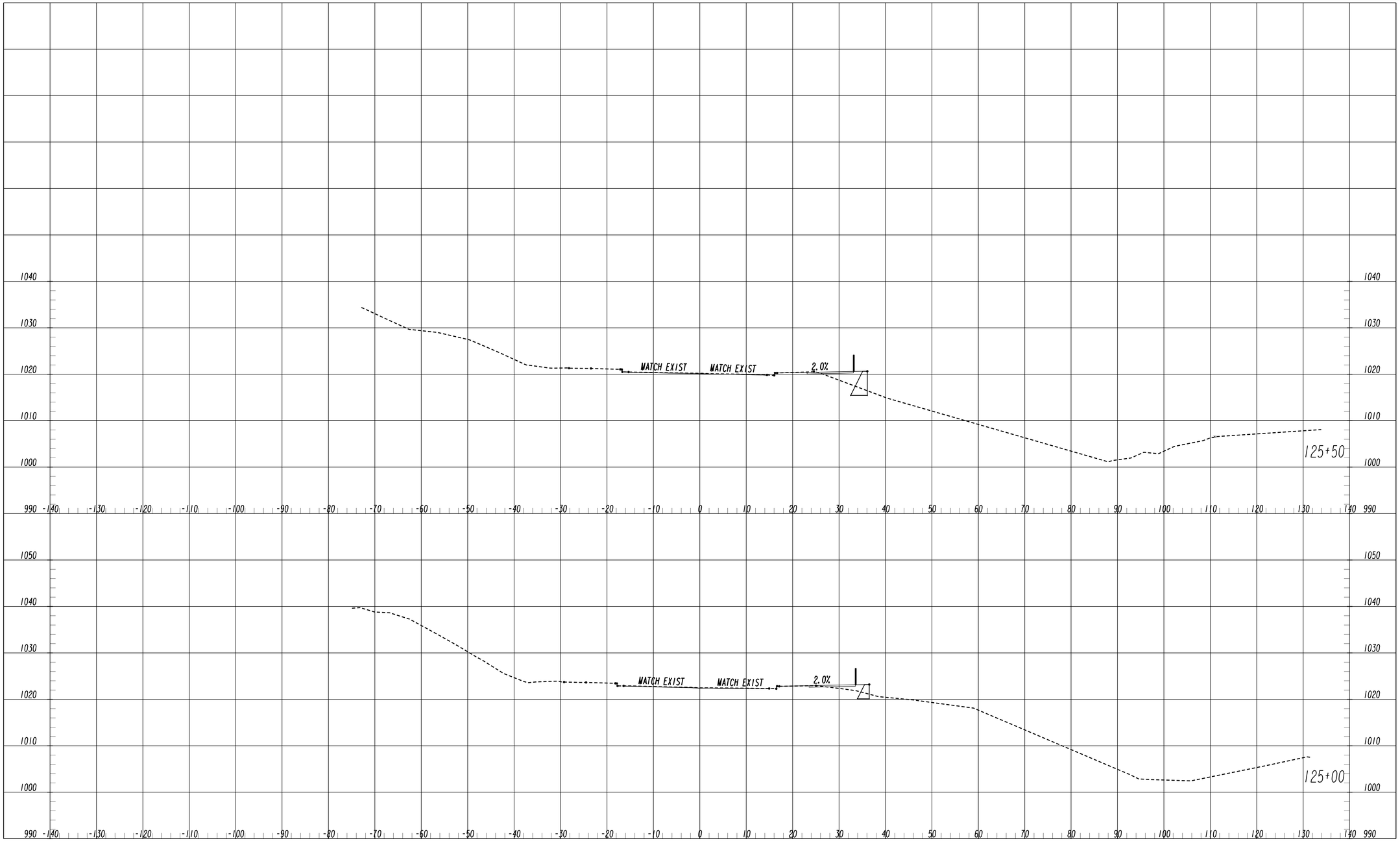
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0041

9/16/2022 7:30:58 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



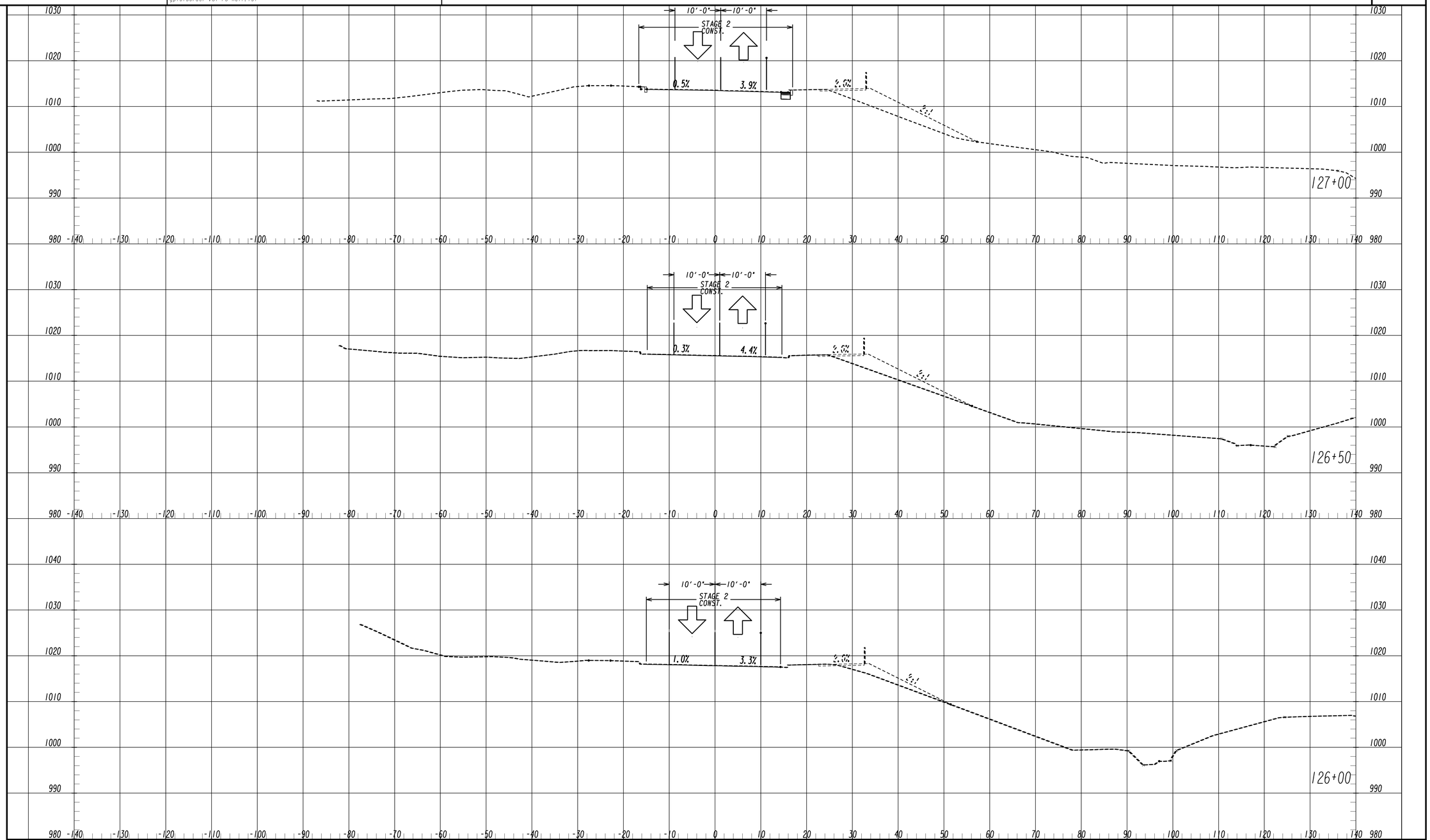
		POND Architects ▪ Engineers ▪ Planners	SCALE 1 IN : 10 FT HORZ. SCALE 1 IN : 10 FT VERT.	REVISION DATES	CITY OF ALPHARETTA
		THE CITY OF ALPHARETTA GEORGIA			OFFICE: PUBLIC WORKS
					STAGING STAGE 2 CROSS SECTIONS
					WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY
					DRAWING No. 19-0042

4/15/2020 GRIEDG

9/16/2022 7:31:03 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

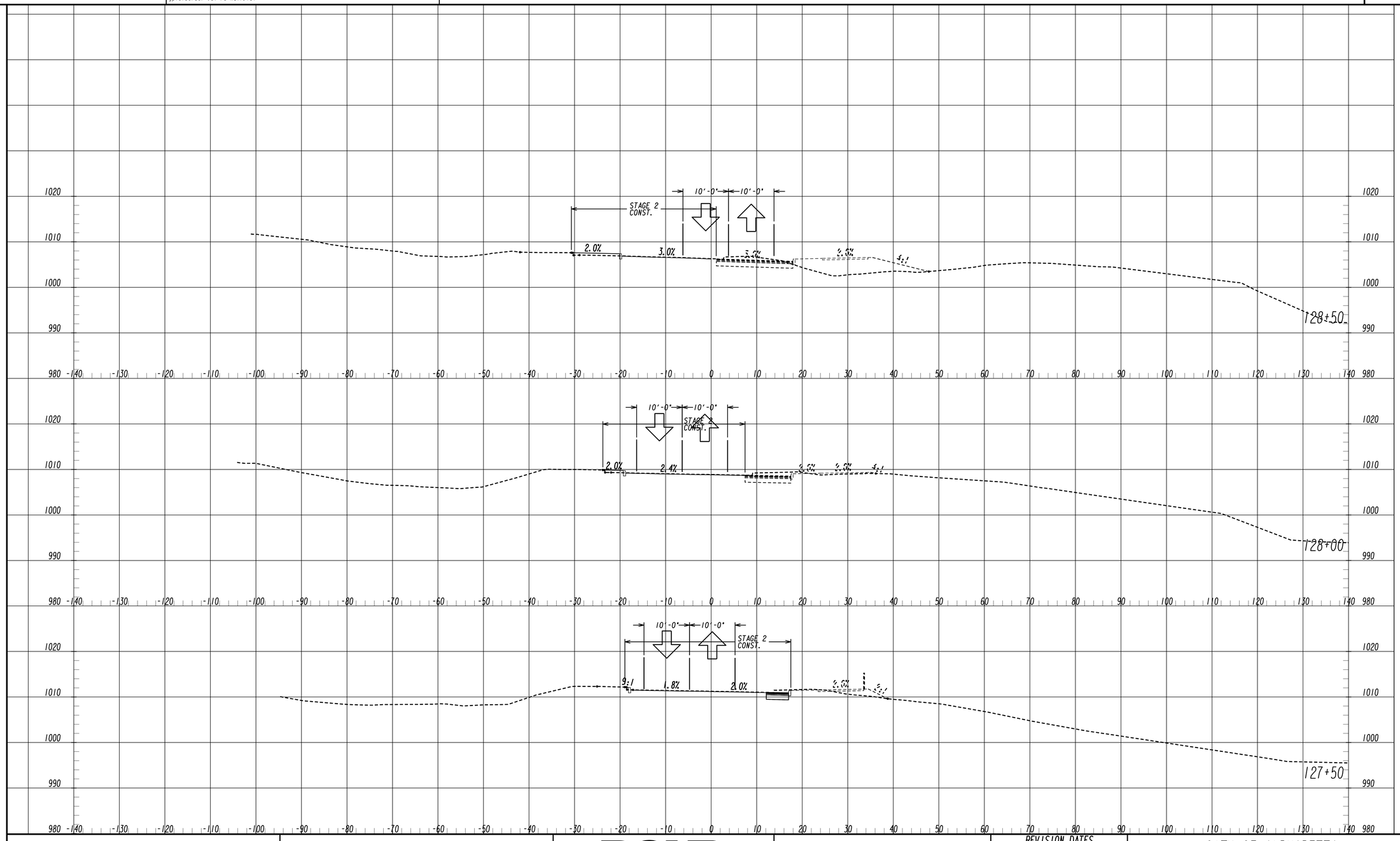
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0043

9/16/2022 7:31:09 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

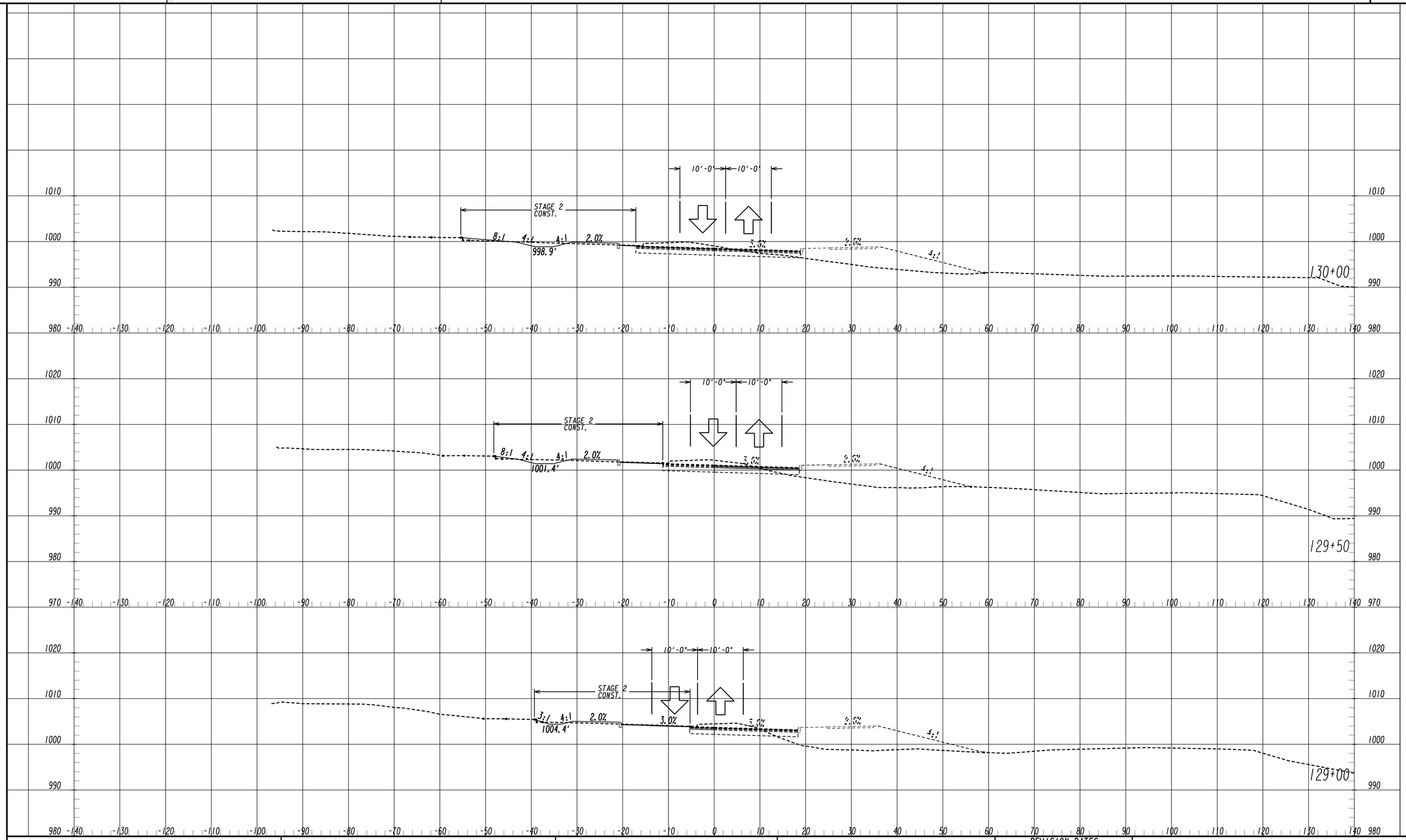
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0044

9/16/2022 7:31:14 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

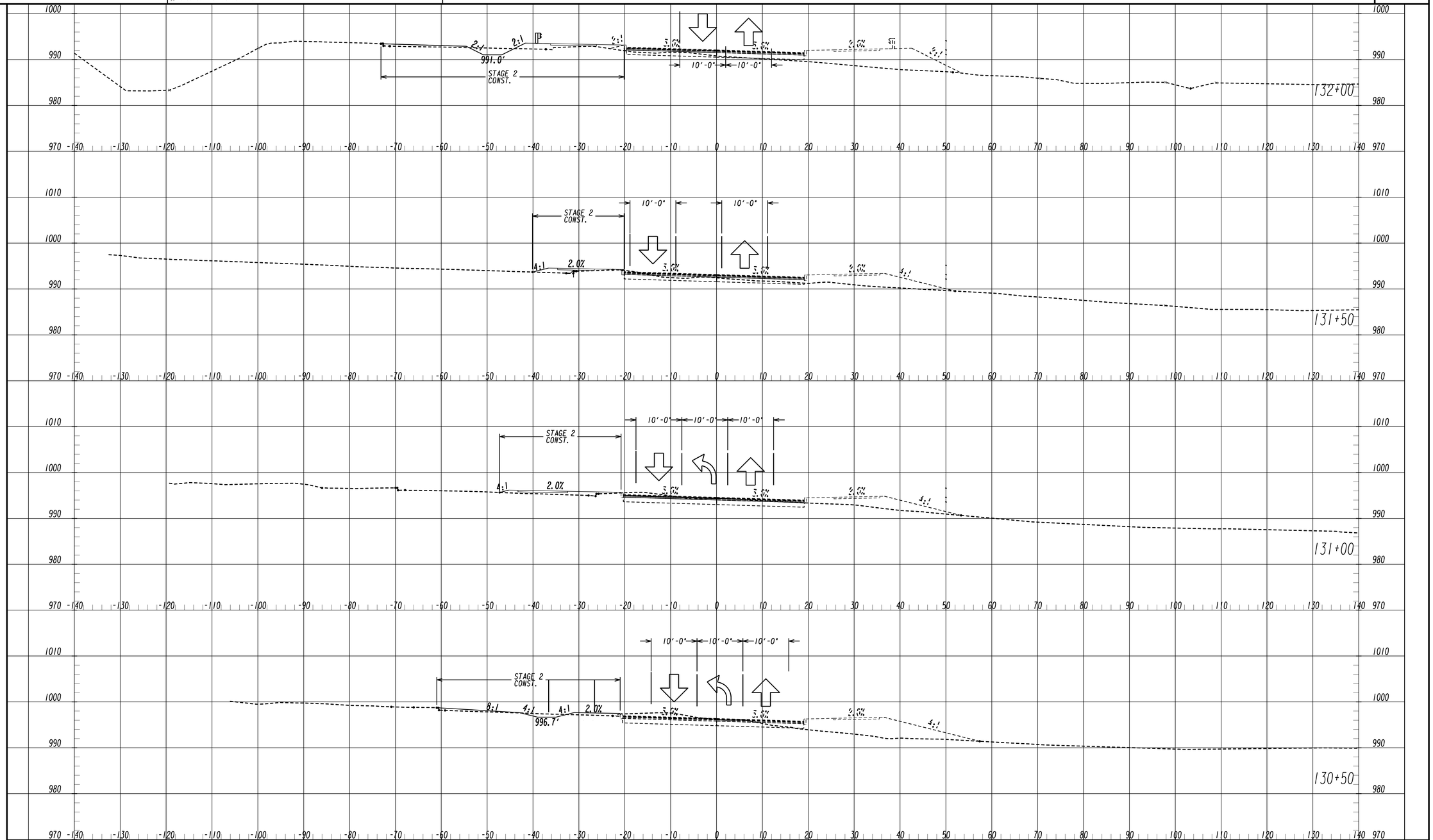
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0045



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

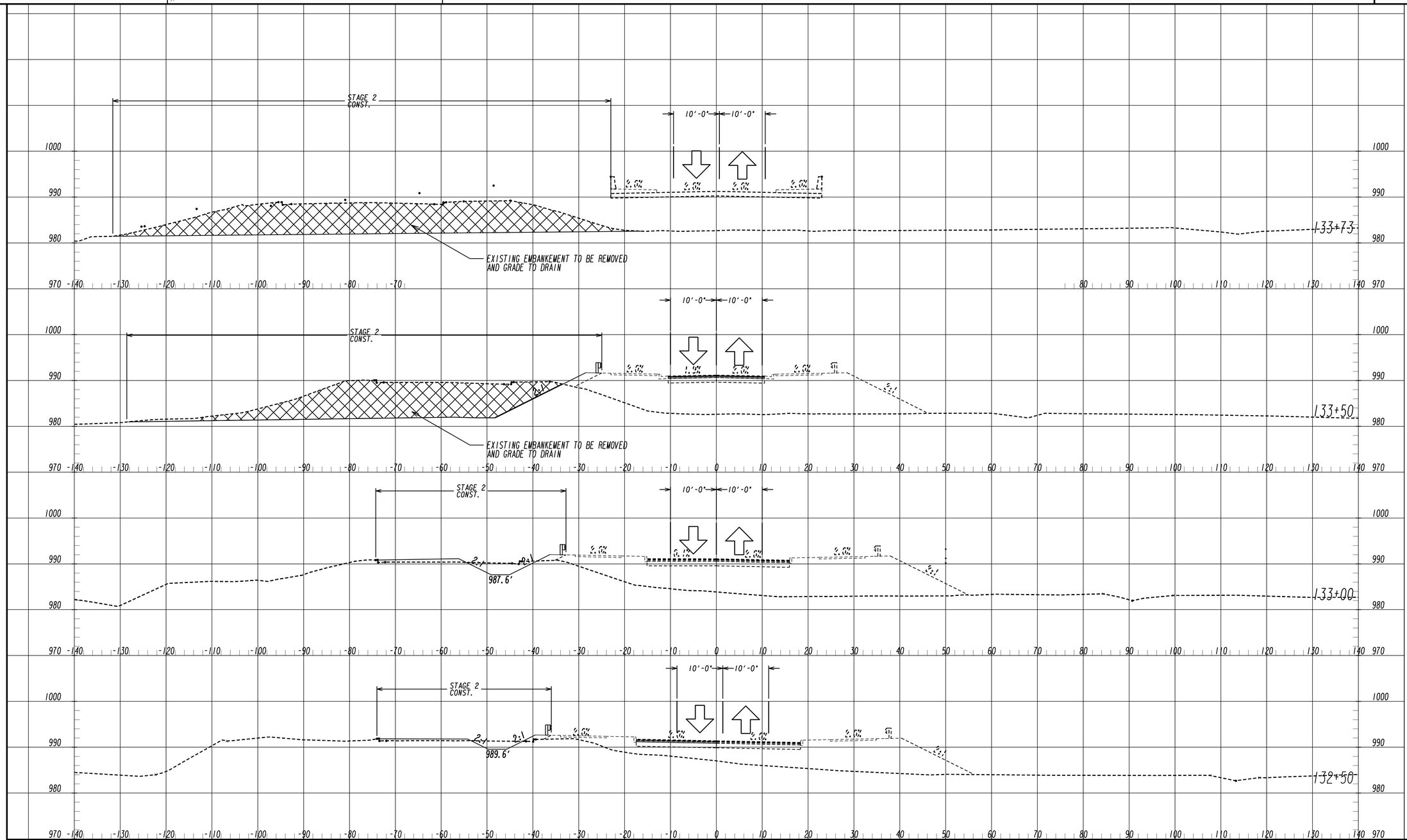
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0046

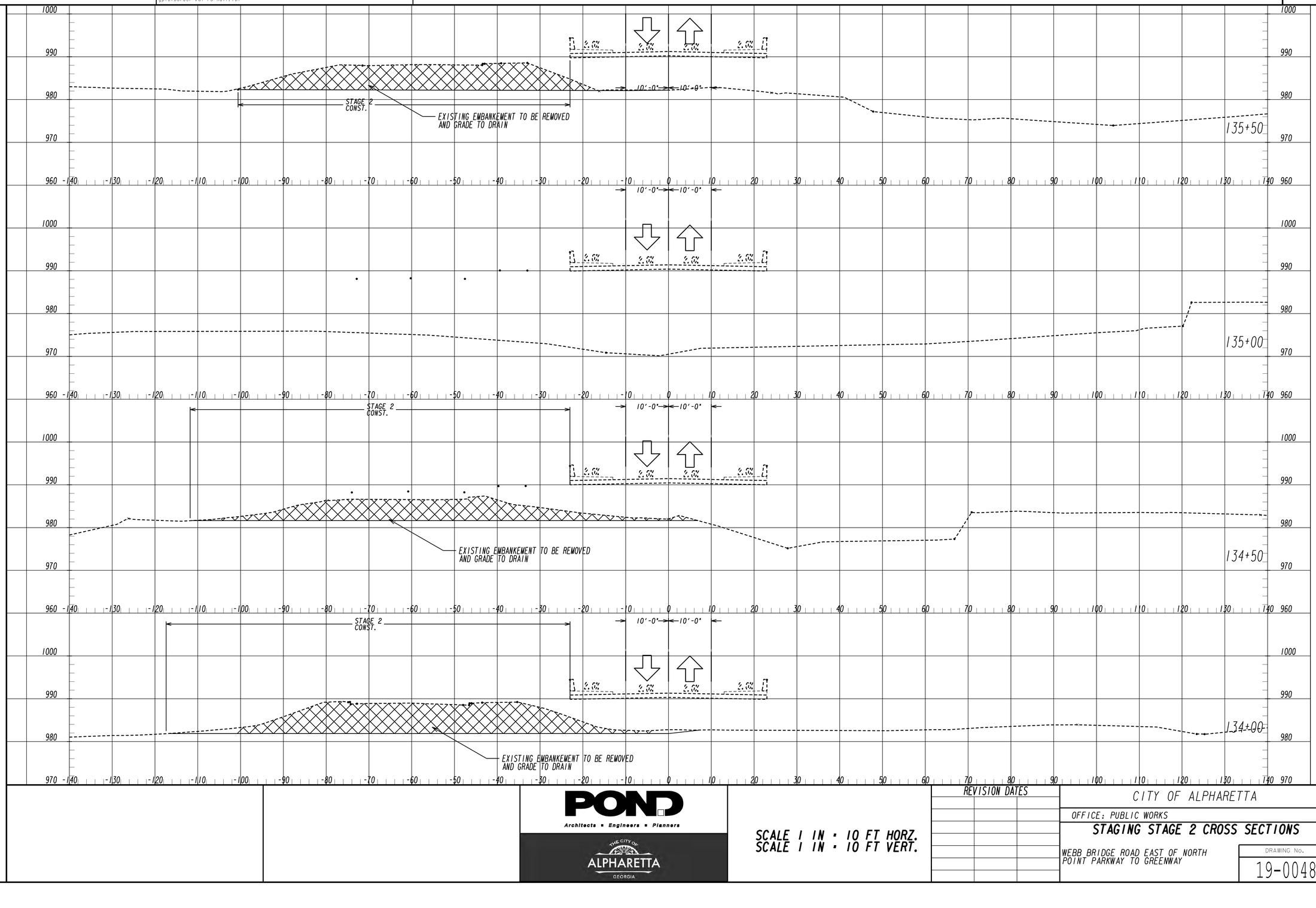


		POND Architects ▪ Engineers ▪ Planners THE CITY OF ALPHARETTA GEORGIA	SCALE 1 IN = 10 FT HORZ. SCALE 1 IN = 10 FT VERT.	REVISION DATES	CITY OF ALPHARETTA OFFICE: PUBLIC WORKS STAGING STAGE 2 CROSS SECTIONS WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY DRAWING No. 19-0047

9/16/2022 7:31:31 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

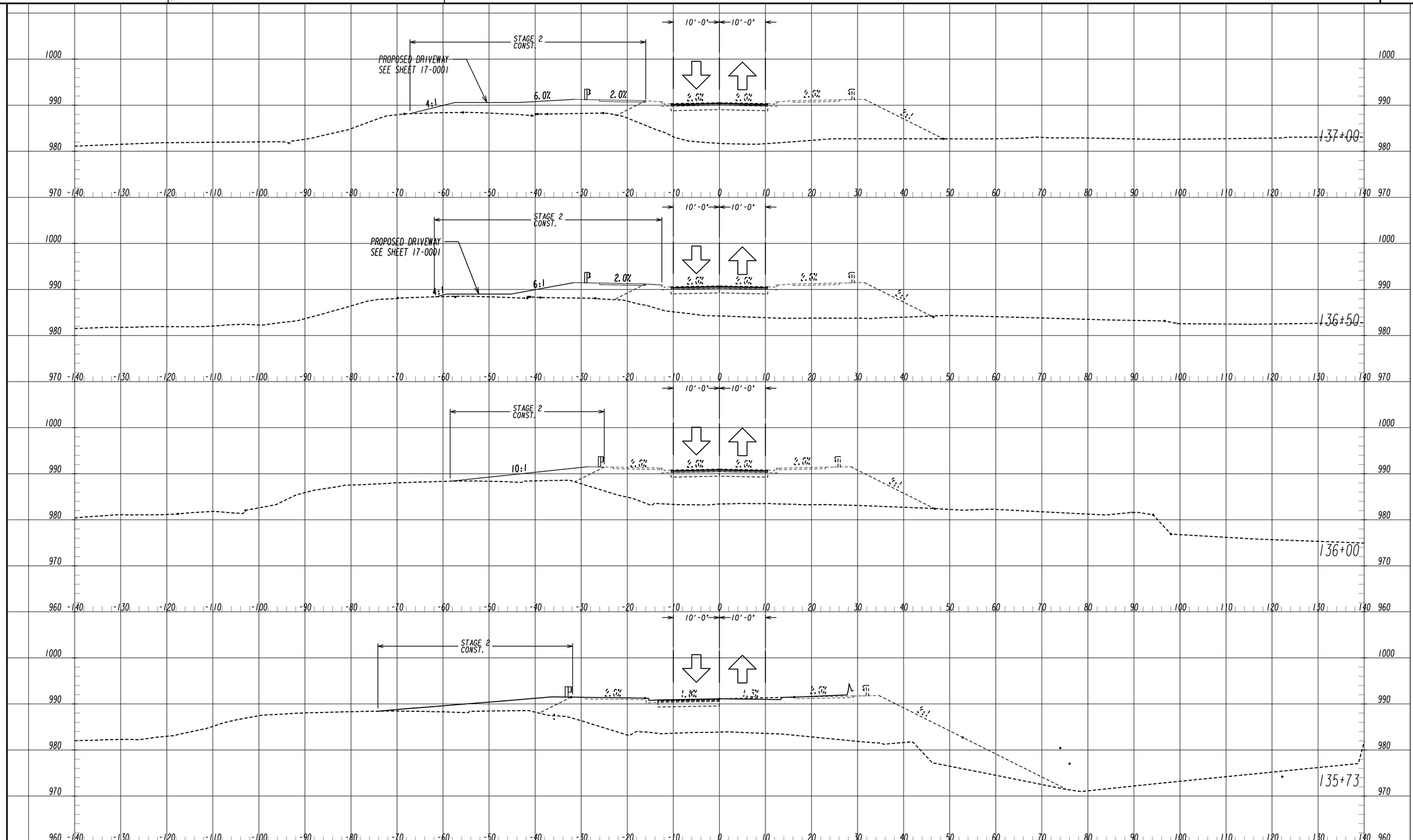
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0048

9/16/2022 7:31:36 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

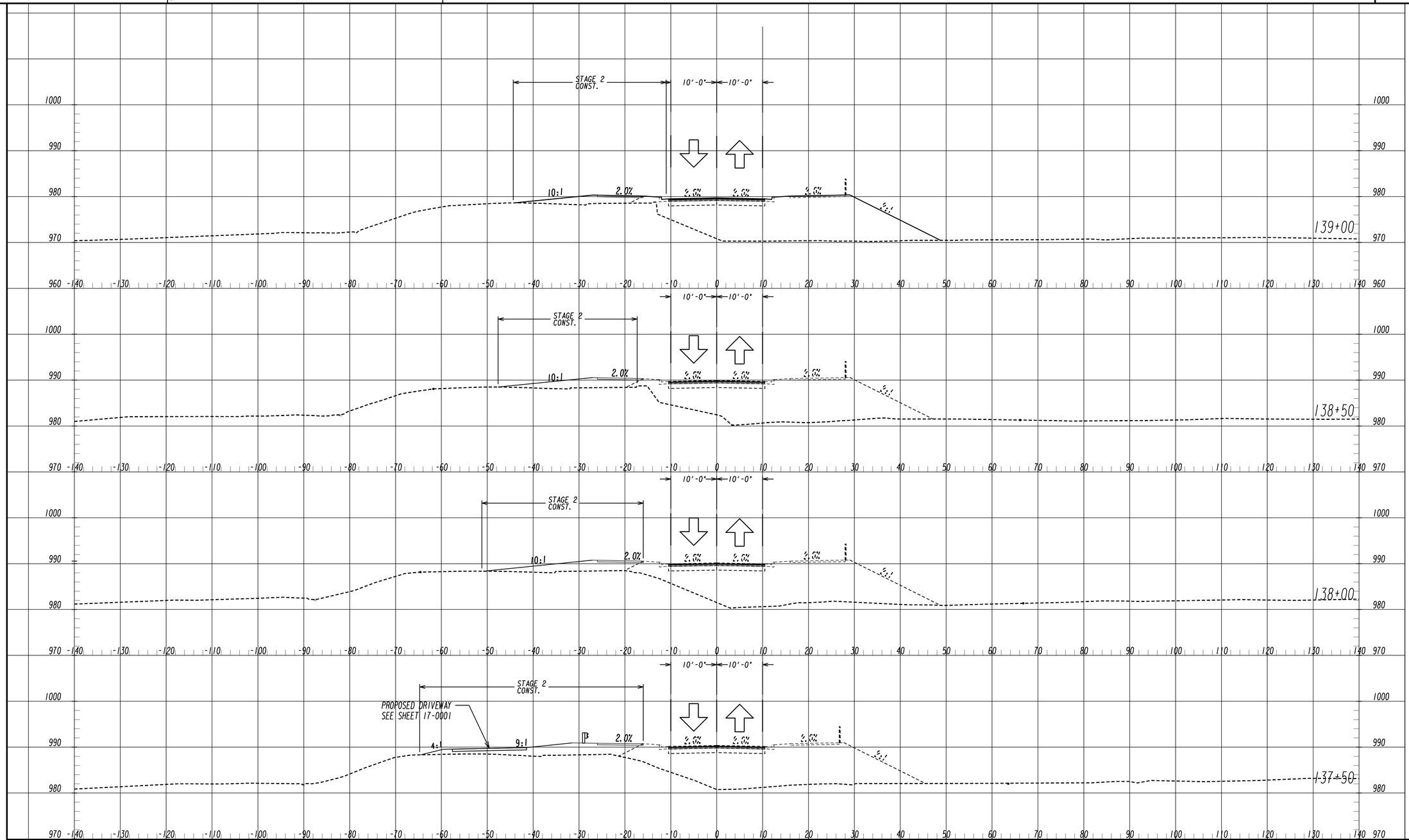
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0049

9/16/2022 7:31:42 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_19-0013_STE1-XSEC.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0050

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0051

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0052

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

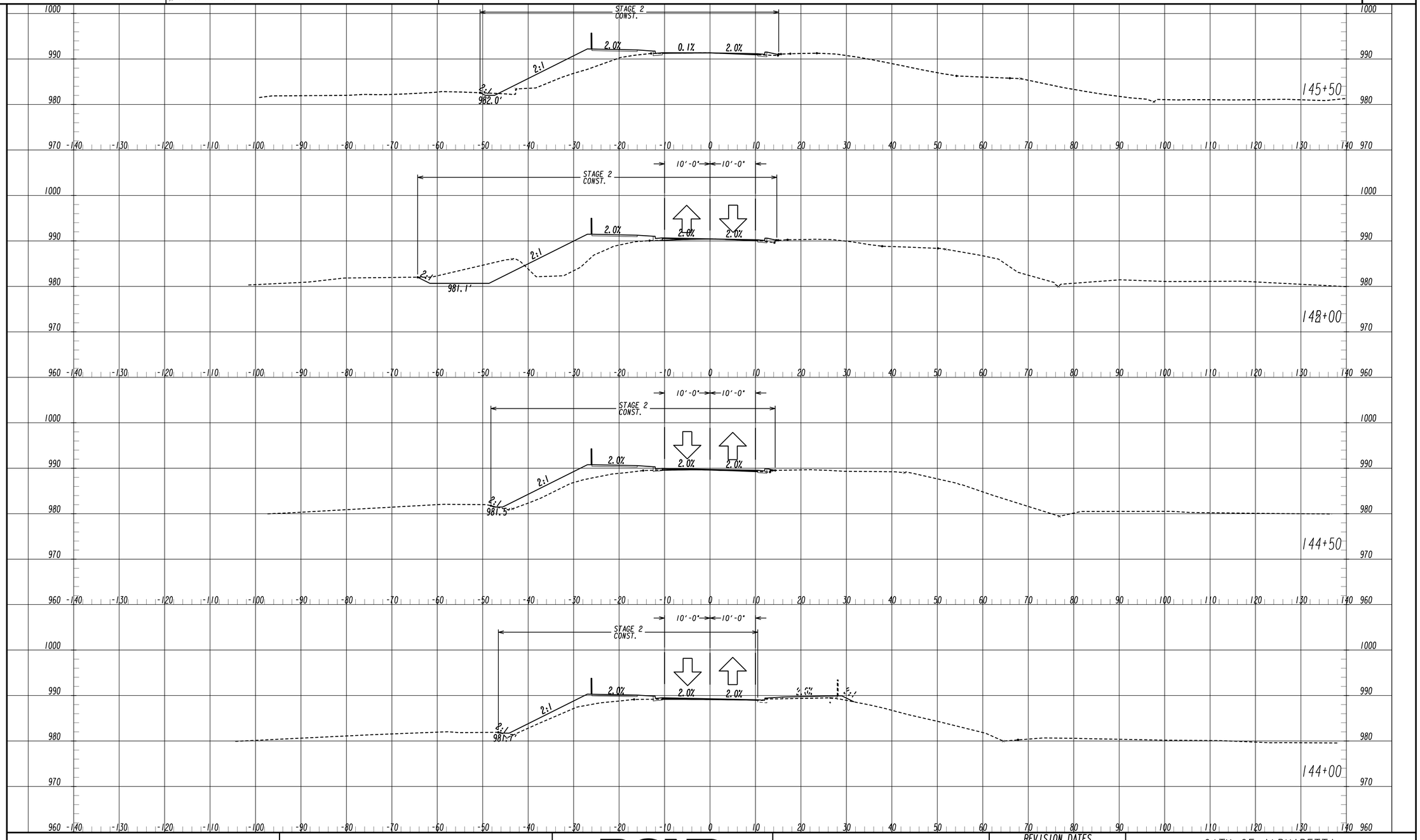
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0053



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

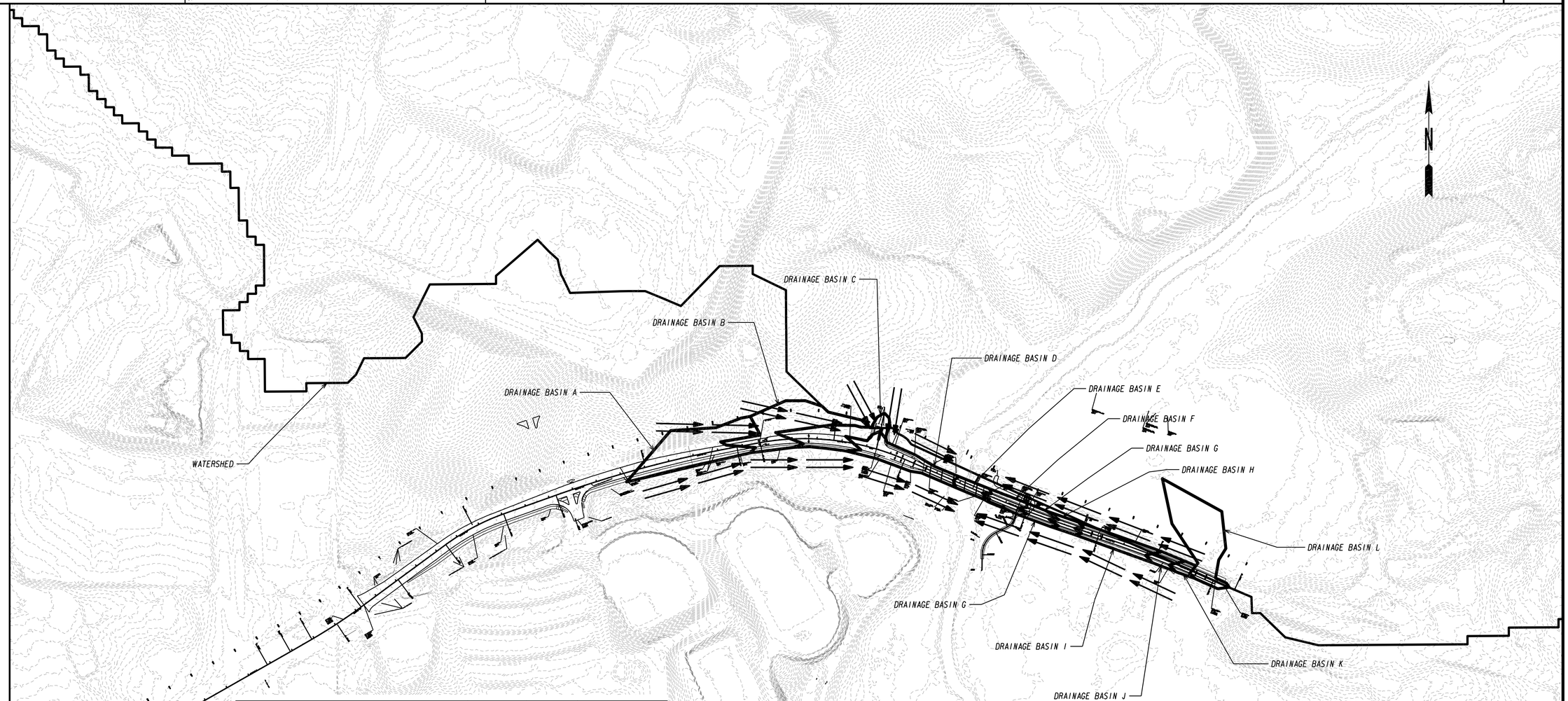
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

STAGING STAGE 2 CROSS SECTIONS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
19-0054



Total Project Area = 9.83 acres Total Disturbed Area = 5.17 acres							
Drainage Area	Outfall Structure	Station	Offset	Drainage Area (acres)	Pre Runoff Coefficients	Post Runoff Coefficients	Receiving Waters
A	A-0	126+39.96	56.67' RT	1.365	0.60	0.57	BIG CREEK
B	B-0	128+70.76	54.36' RT	1.117	0.33	0.33	BIG CREEK
C	C-0	130+87.83	87.83' RT	0.686	0.73	0.49	BIG CREEK
D	D-0	133+24.98	50.30' RT	0.636	0.30	0.88	BIG CREEK
E	E-0	136+39.32	45.93' RT	0.147	0.30	0.95	BIG CREEK
F	F-0	137+97.42	44.77' RT	0.188	0.30	0.84	BIG CREEK
G	G-0	139+32.70	32.41' RT	0.157	0.41	0.84	BIG CREEK
H	H-0	140+23.85	44.47' RT	0.130	0.57	0.83	BIG CREEK
I	I-0	141+66.87	38.34' RT	0.379	0.75	0.85	BIG CREEK
J	J-0	142+98.77	35.44' RT	0.127	0.81	0.87	BIG CREEK
K	K-0	144+02.91	41.10' RT	0.086	0.81	0.84	BIG CREEK
L	L-1	145+07.17	43.69' LT	1.298	0.36	0.35	BIG CREEK

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 200 400 800

REVISION DATES

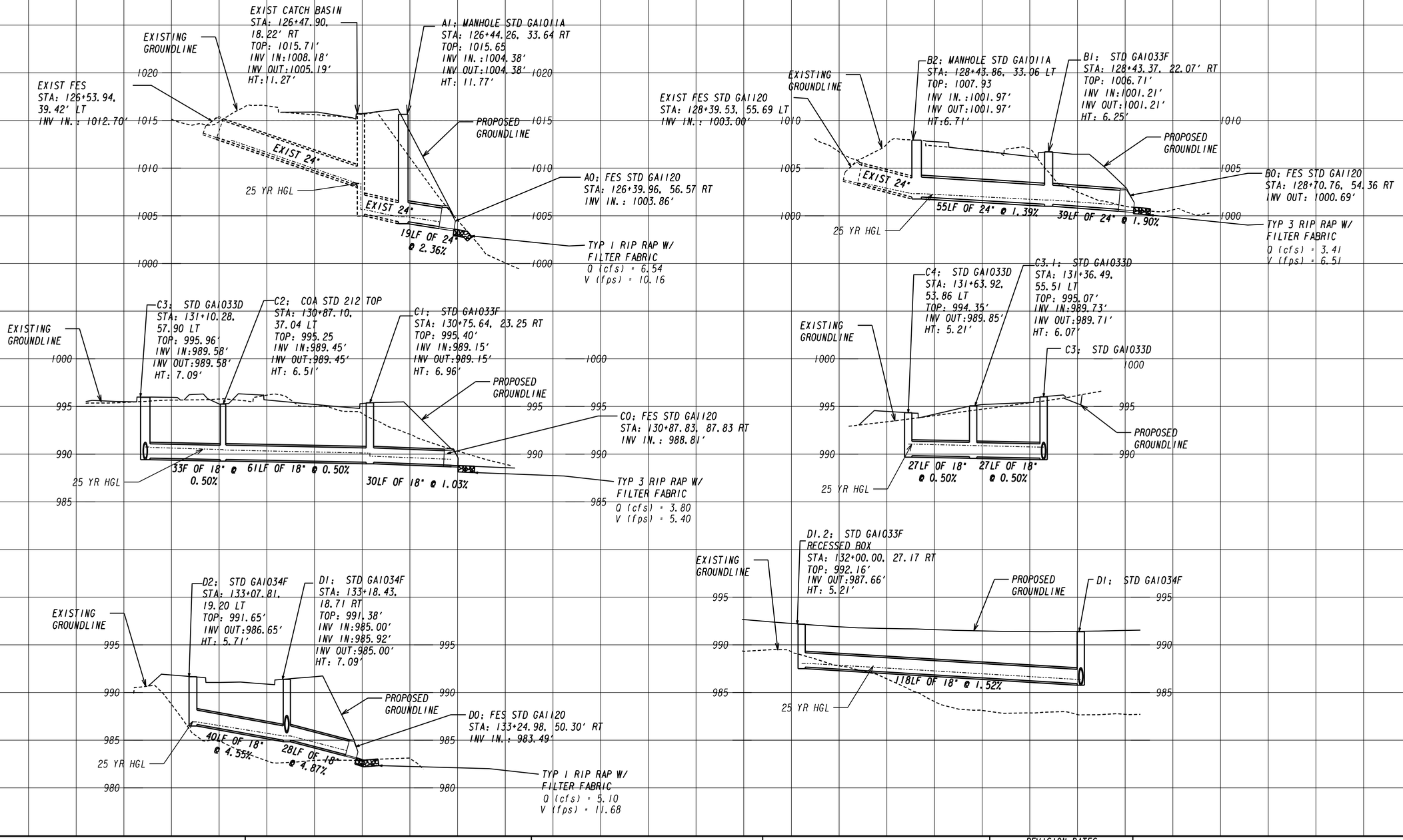
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

DRAINAGE AREA MAP

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
21-0001



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 inch ▪ 5 feet Vert.
SCALE 1 inch ▪ 20 feet Horz.

REVISION DATES

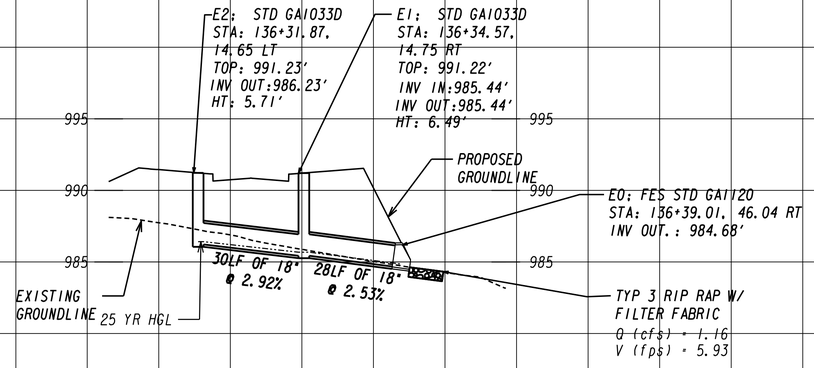
CITY OF ALPHARETTA

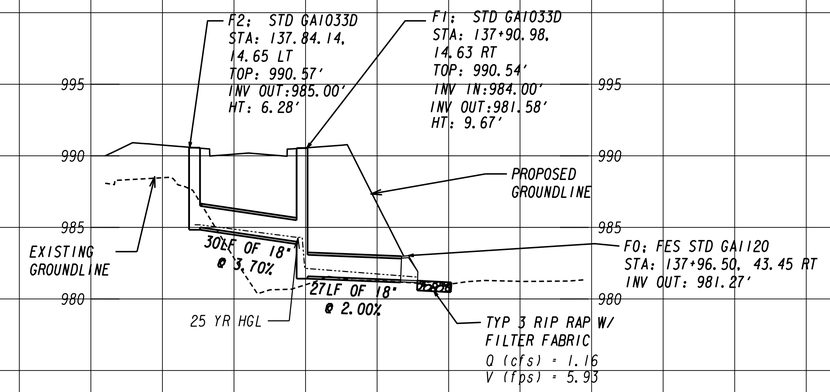
OFFICE: PUBLIC WORKS

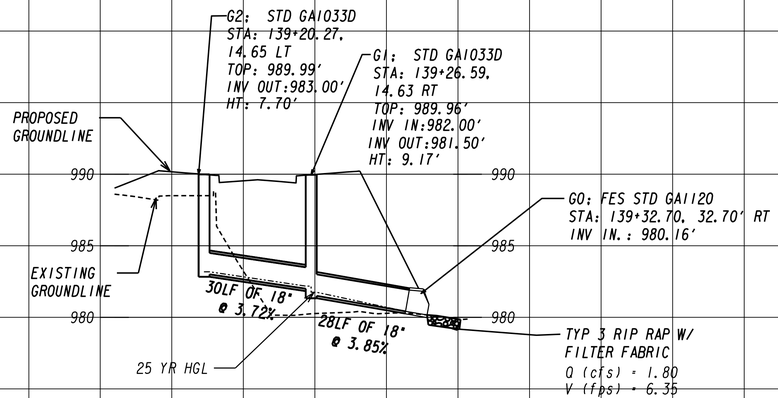
DRAINAGE PROFILES

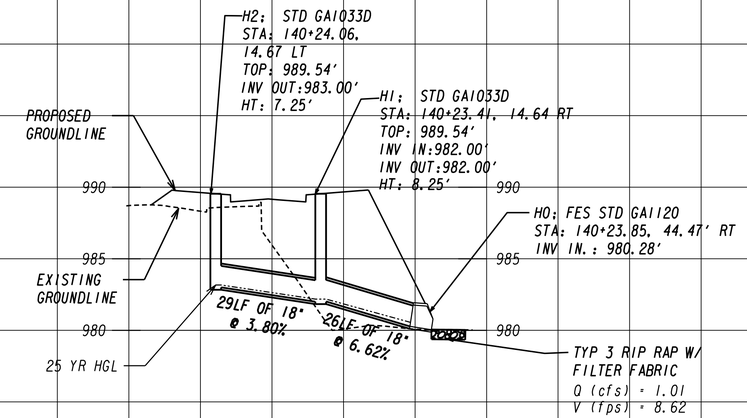
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

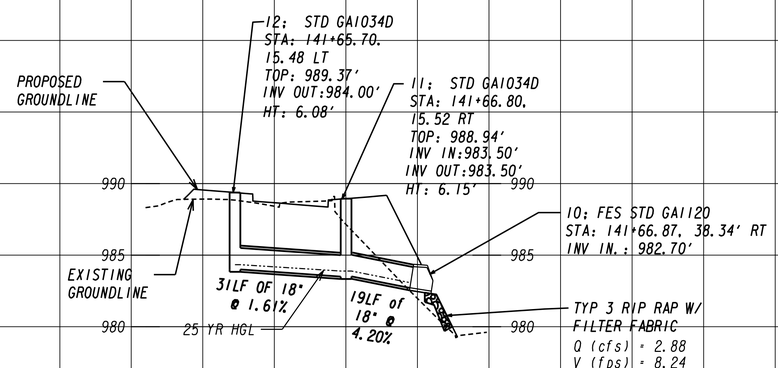
DRAWING No.
22-0001

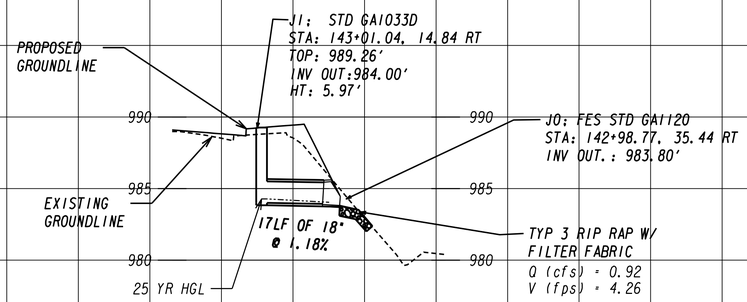












POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 inch ▪ 5 feet Vert.
SCALE 1 inch ▪ 20 feet Horz.

REVISION DATES

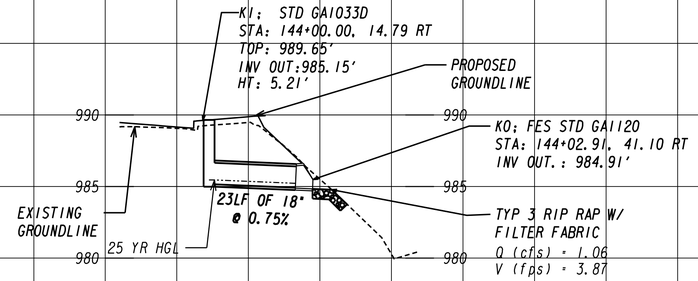
CITY OF ALPHARETTA

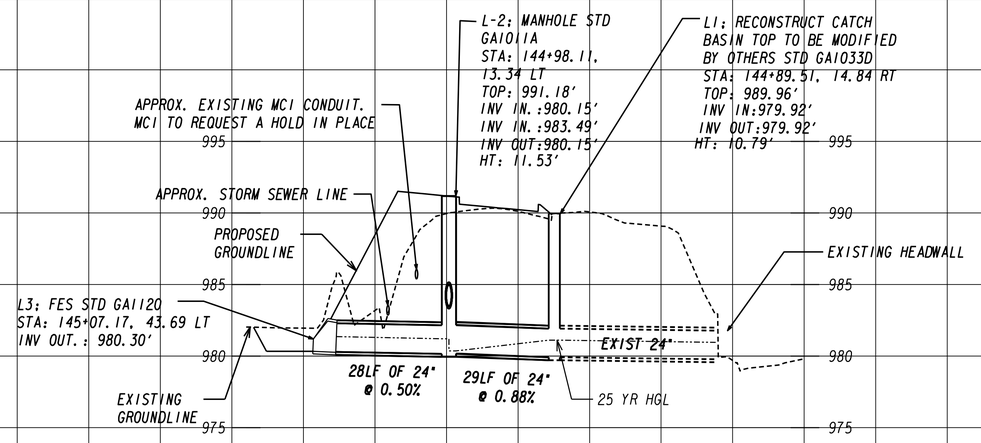
OFFICE: PUBLIC WORKS

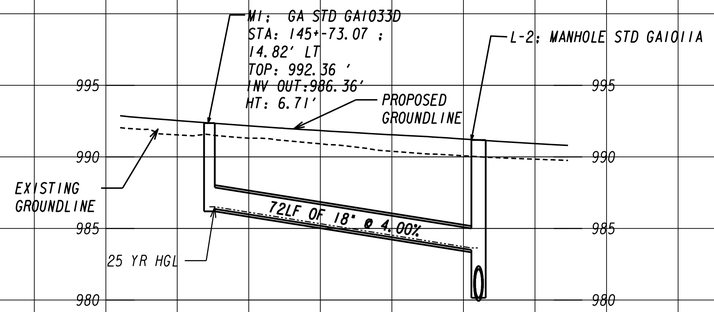
DRAINAGE PROFILES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
22-0002







POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 inch ▪ 5 feet Vert.
SCALE 1 inch ▪ 20 feet Horz.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

DRAINAGE PROFILES

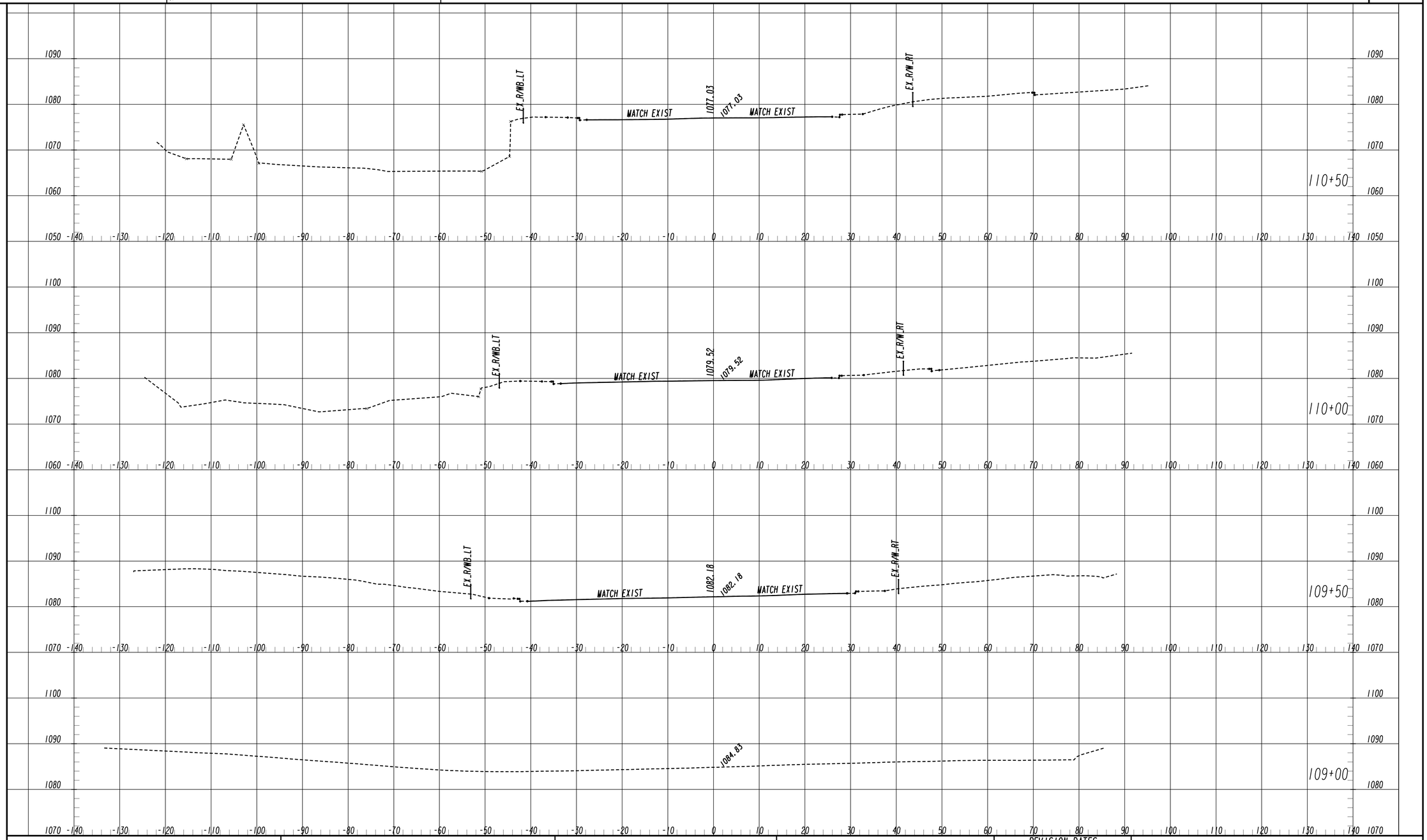
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
22-0003

9/16/2022 7:41:43 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0001

9/16/2022 7:41:51 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

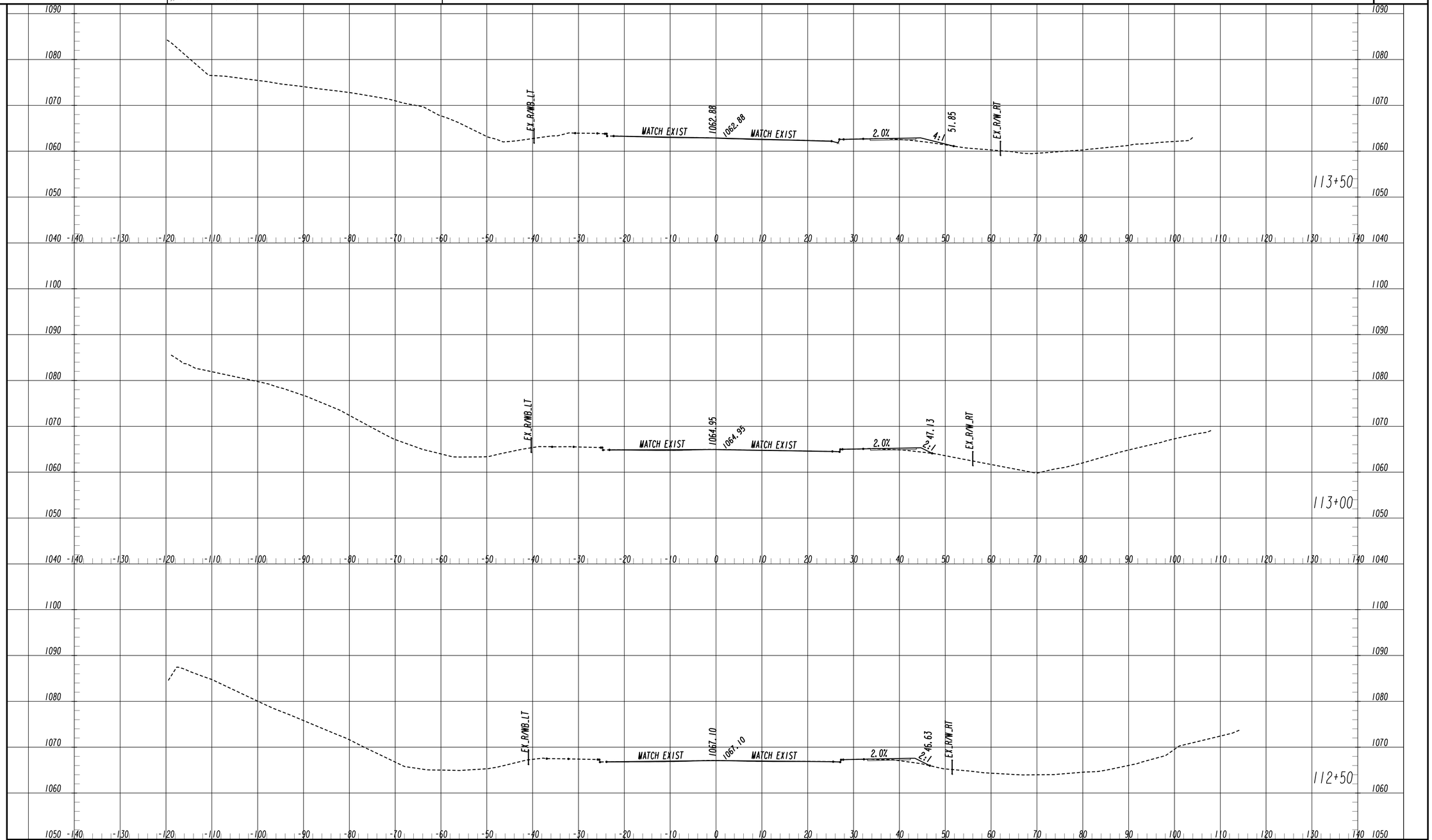
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0002

9/16/2022 7:41:58 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

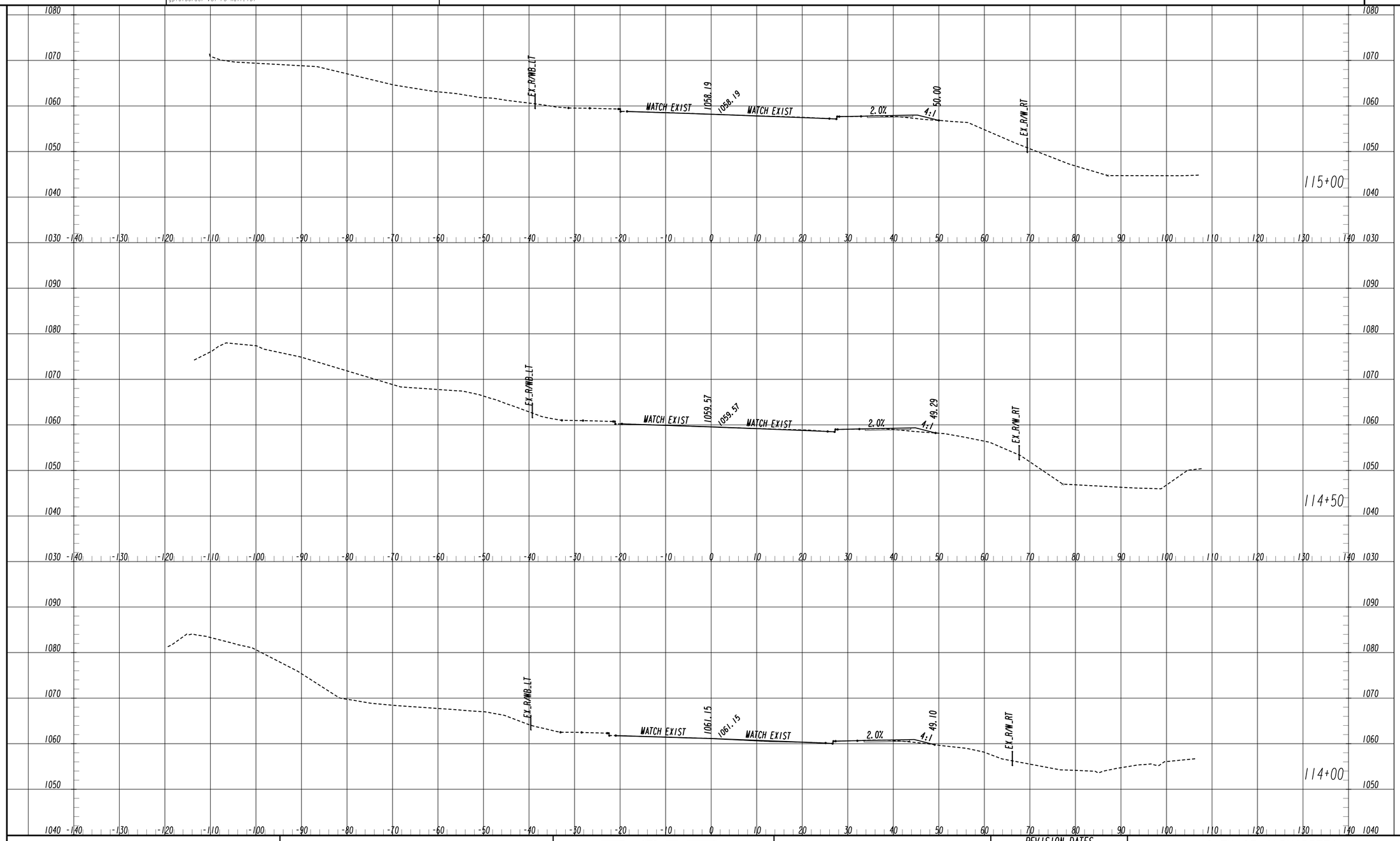
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0003

9/16/2022 7:42:05 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

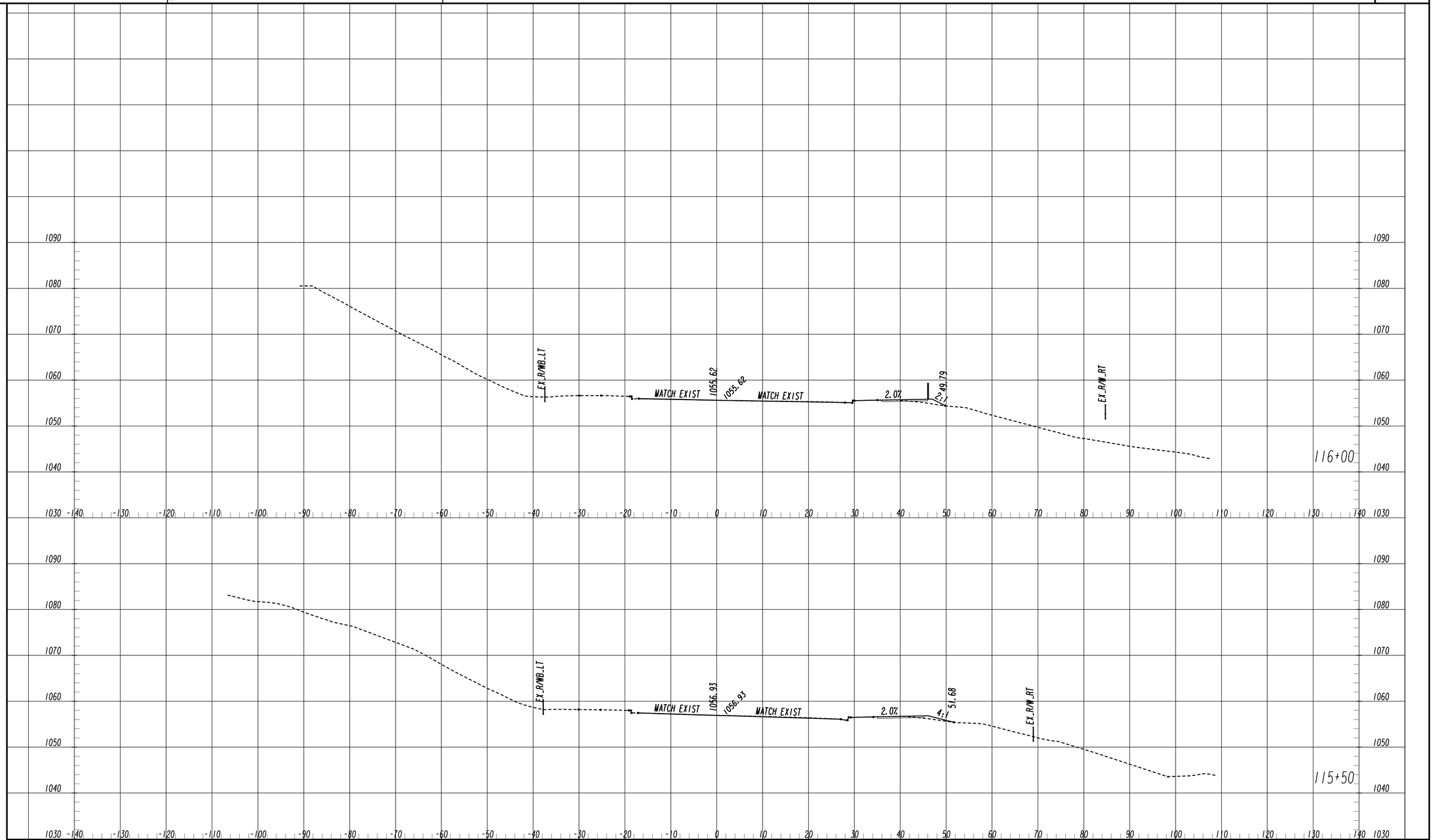
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0004

9/16/2022 7:42:12 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

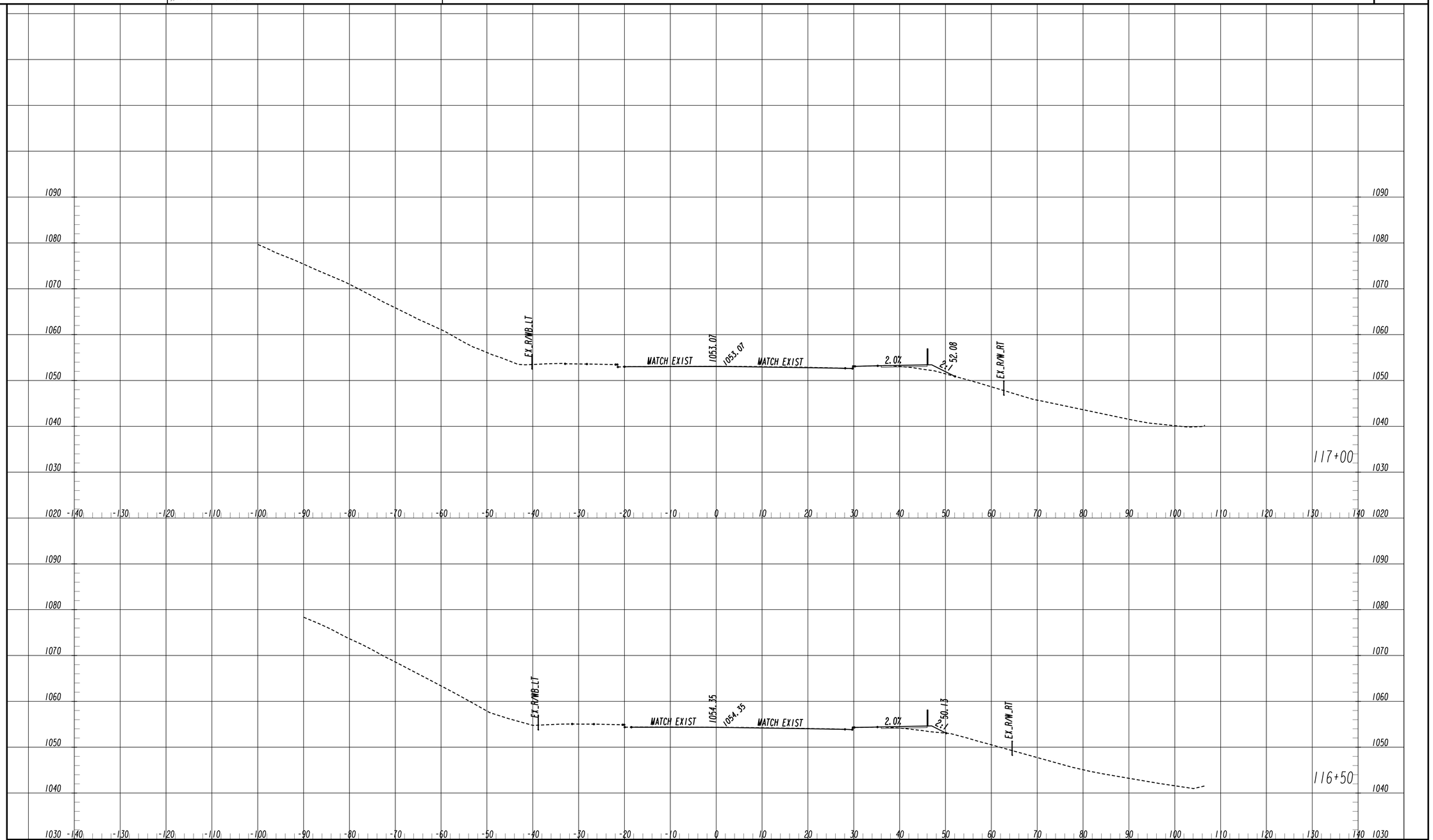
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0005

9/16/2022 7:42:19 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS WEBB BRIDGE ROAD

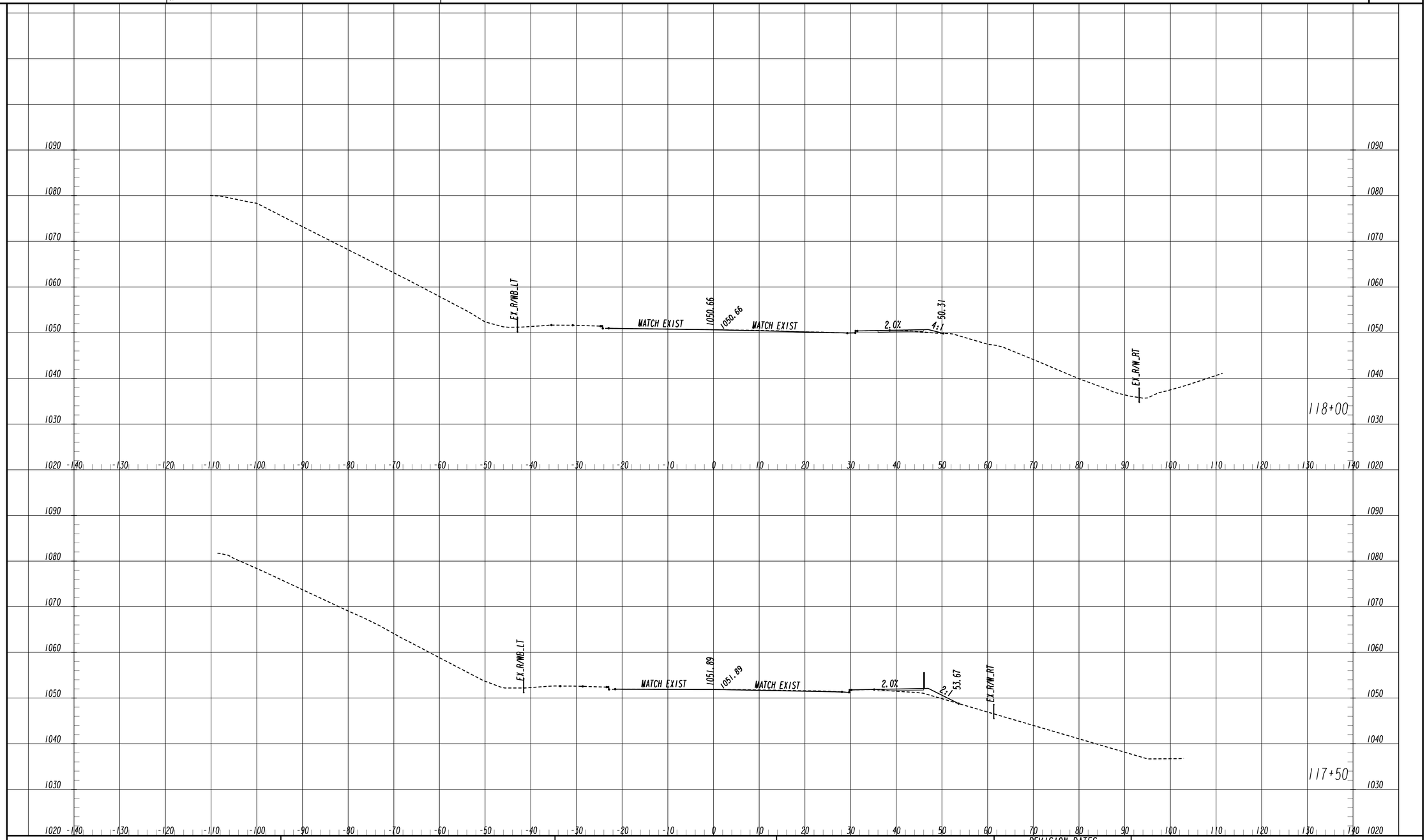
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0006

9/16/2022 7:42:27 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

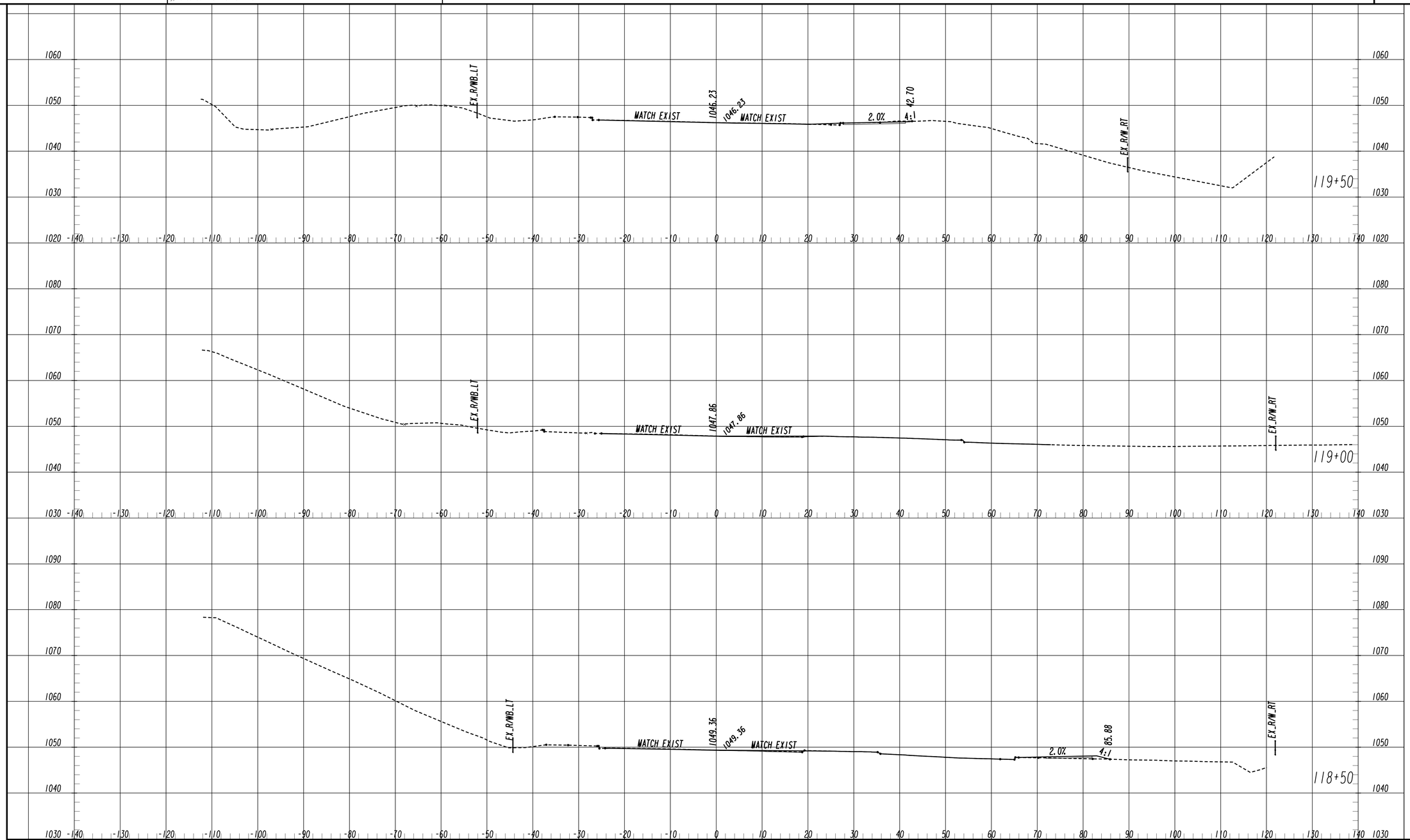
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0007

9/16/2022 7:42:34 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

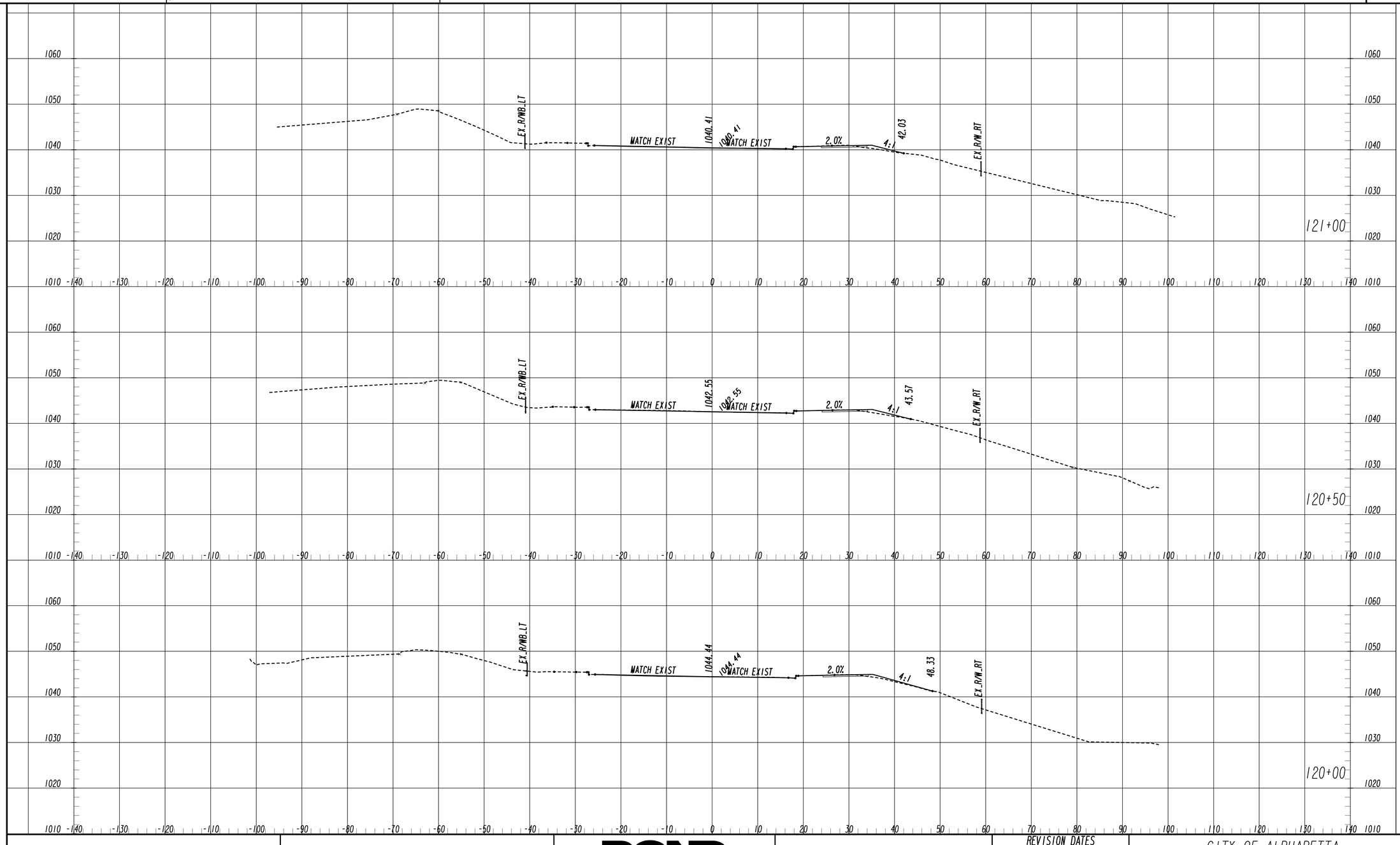
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0008

9/16/2022 7:42:41 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS WEBB BRIDGE ROAD

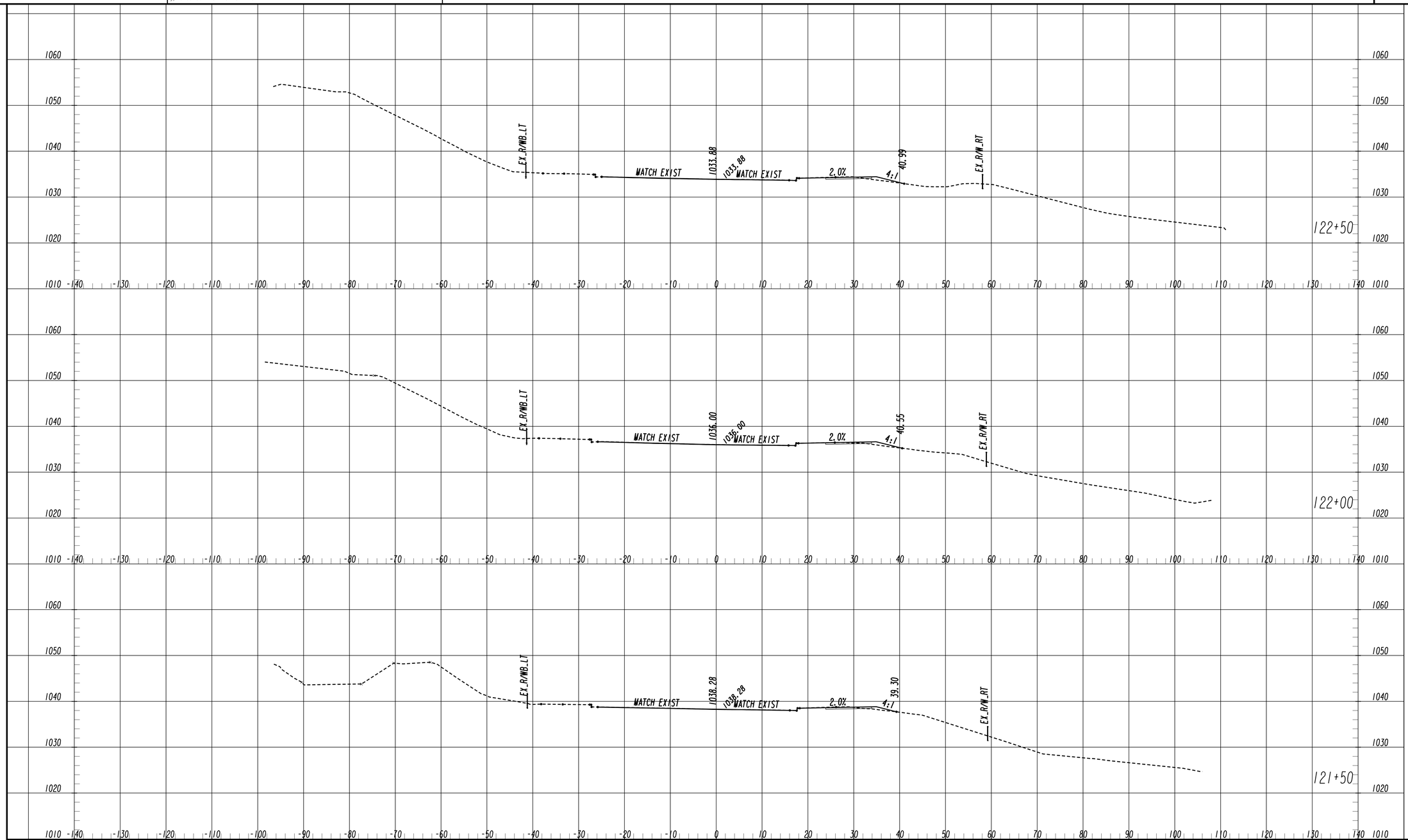
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0009

9/16/2022 7:42:48 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

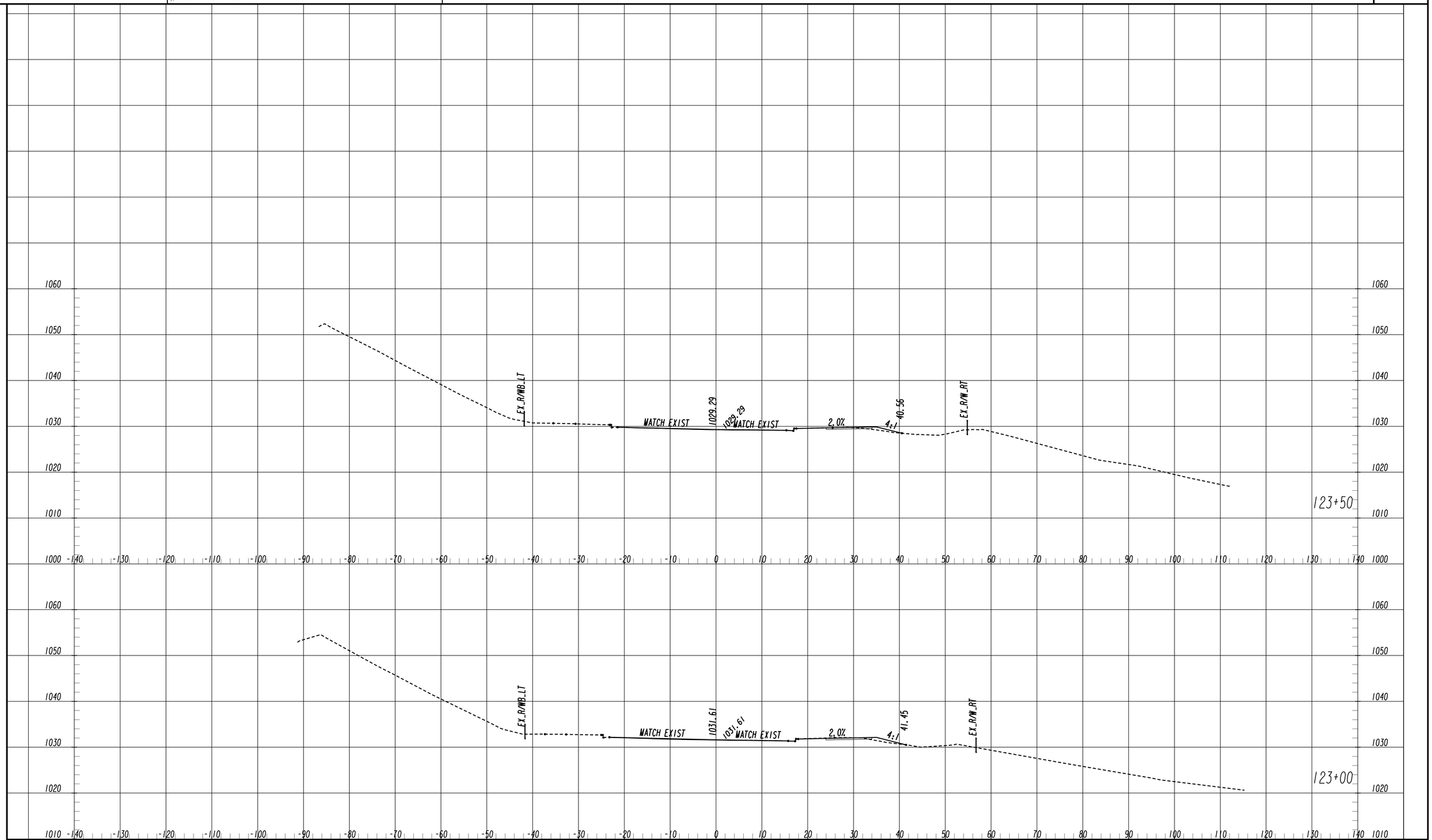
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0010

9/16/2022 7:42:55 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

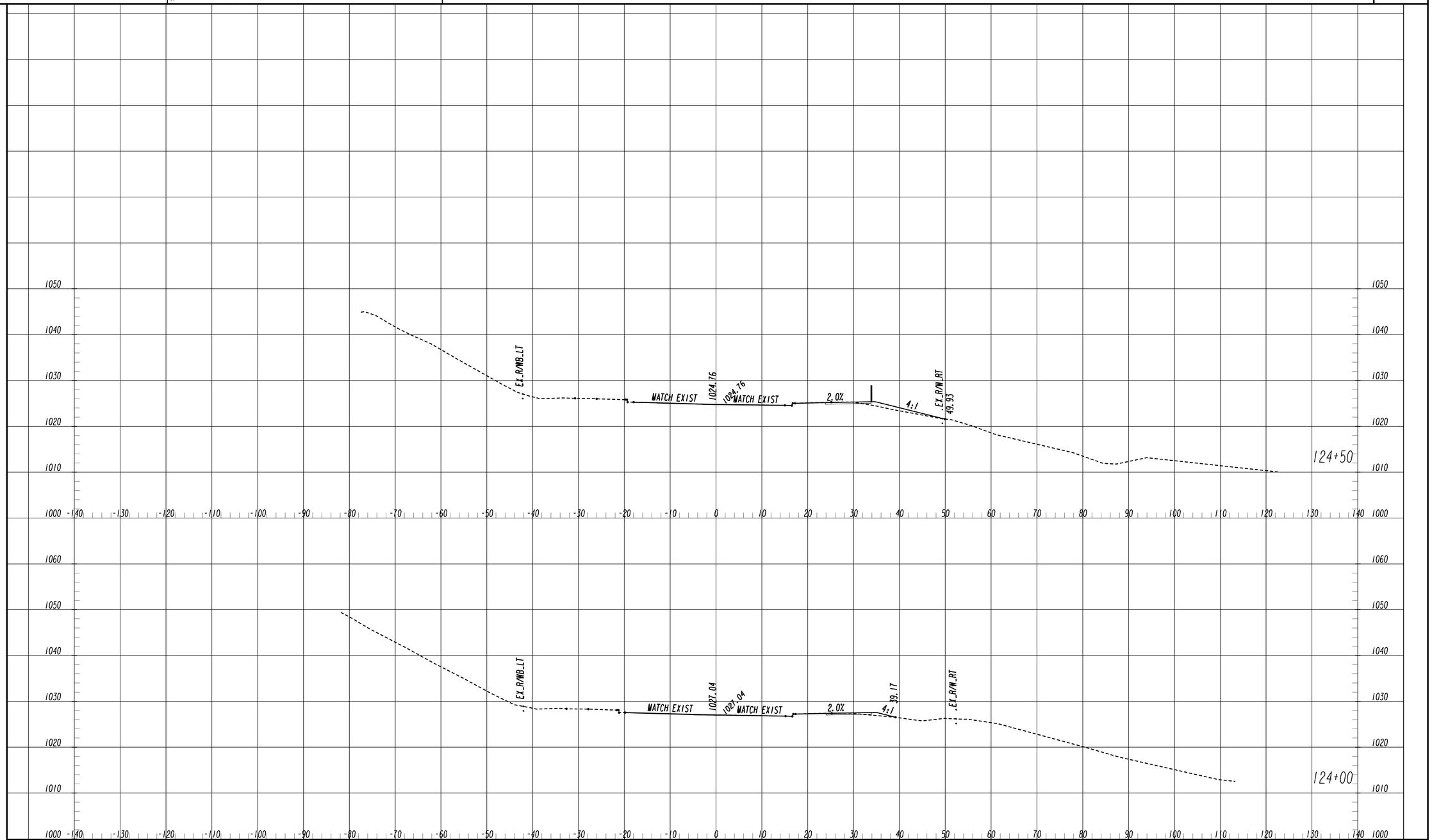
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0011

9/16/2022 7:43:03 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

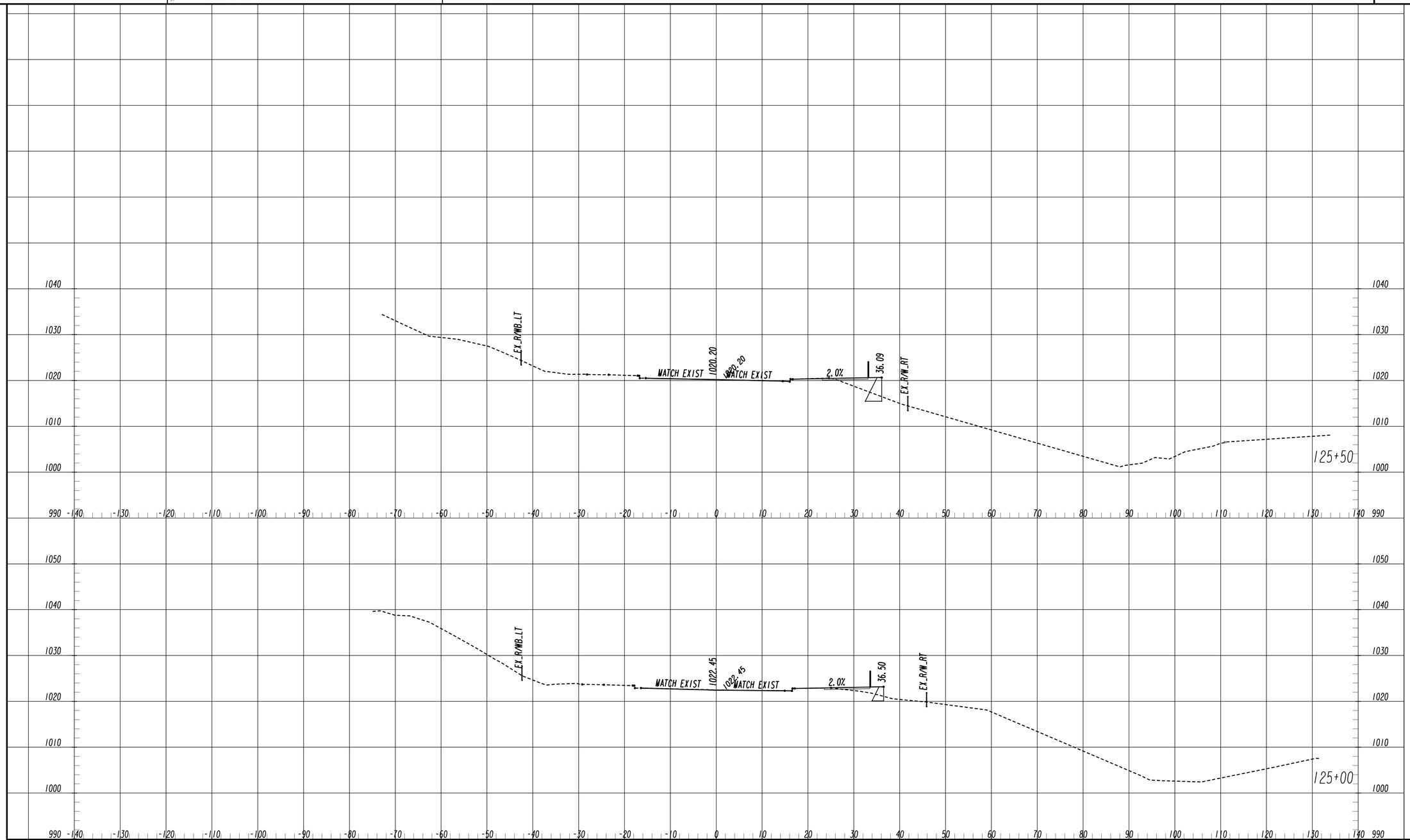
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0012

9/16/2022 7:43:10 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

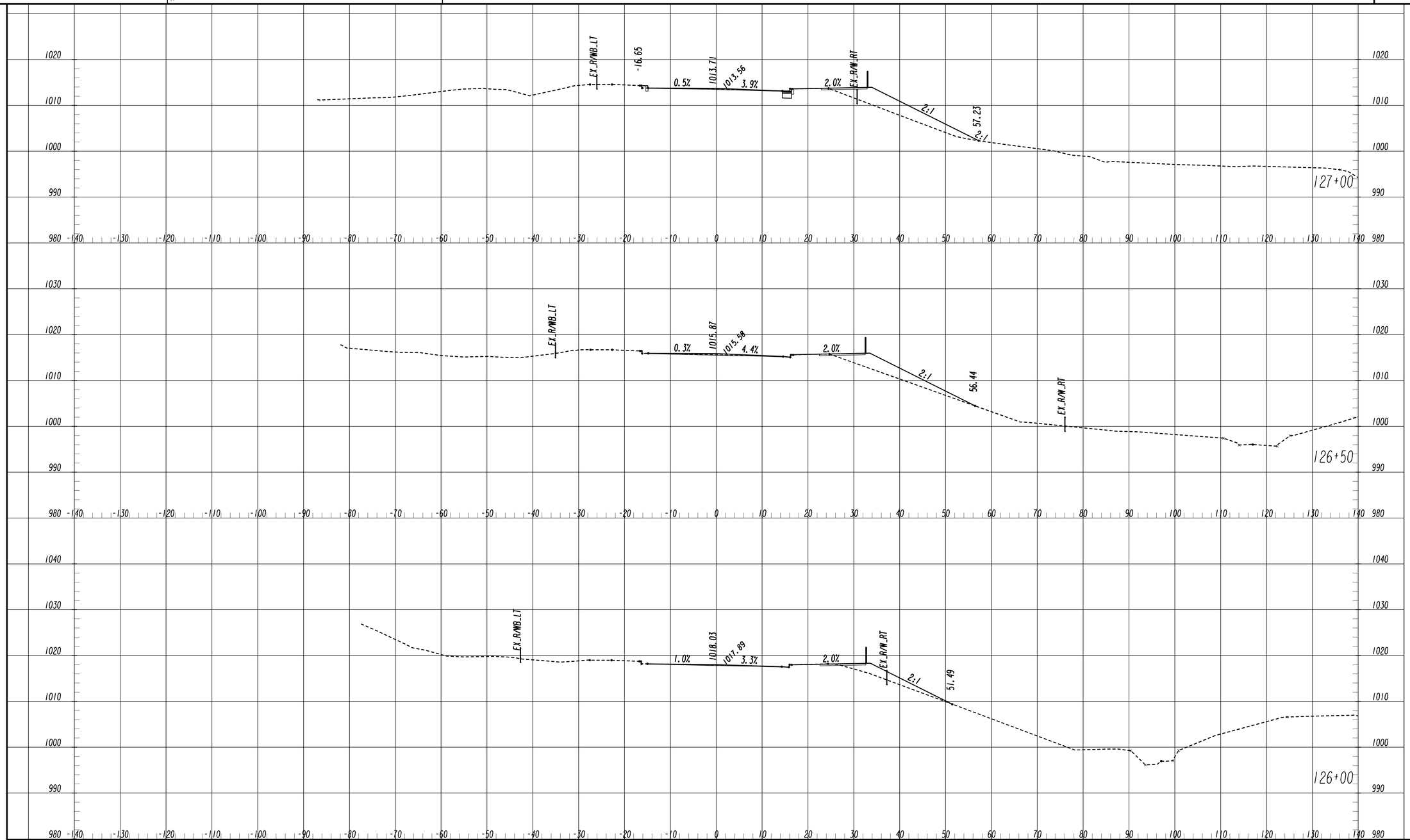
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0013

9/16/2022 7:43:17 PM
USER:A11.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

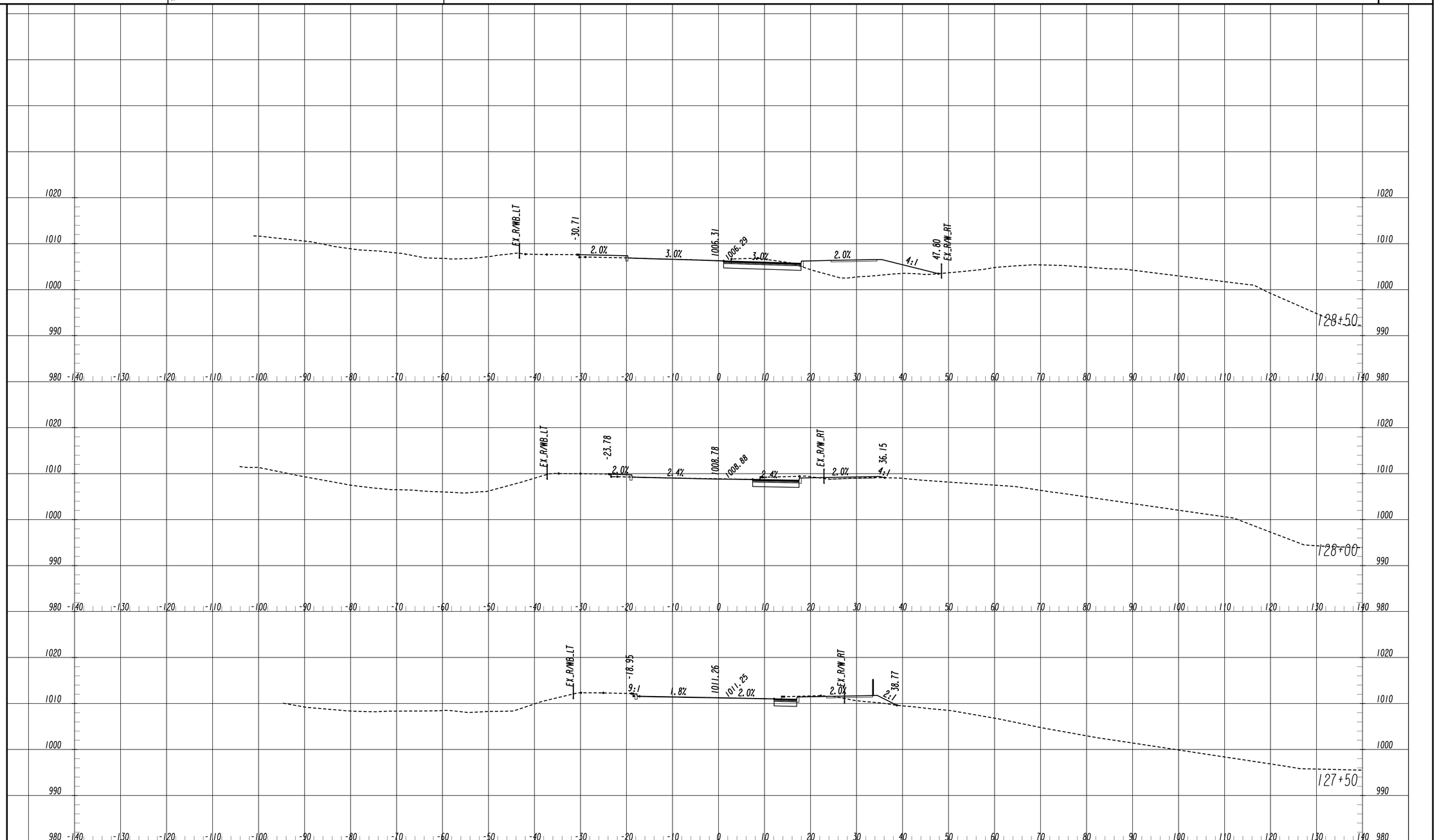
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0014

9/16/2022 7:43:25 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

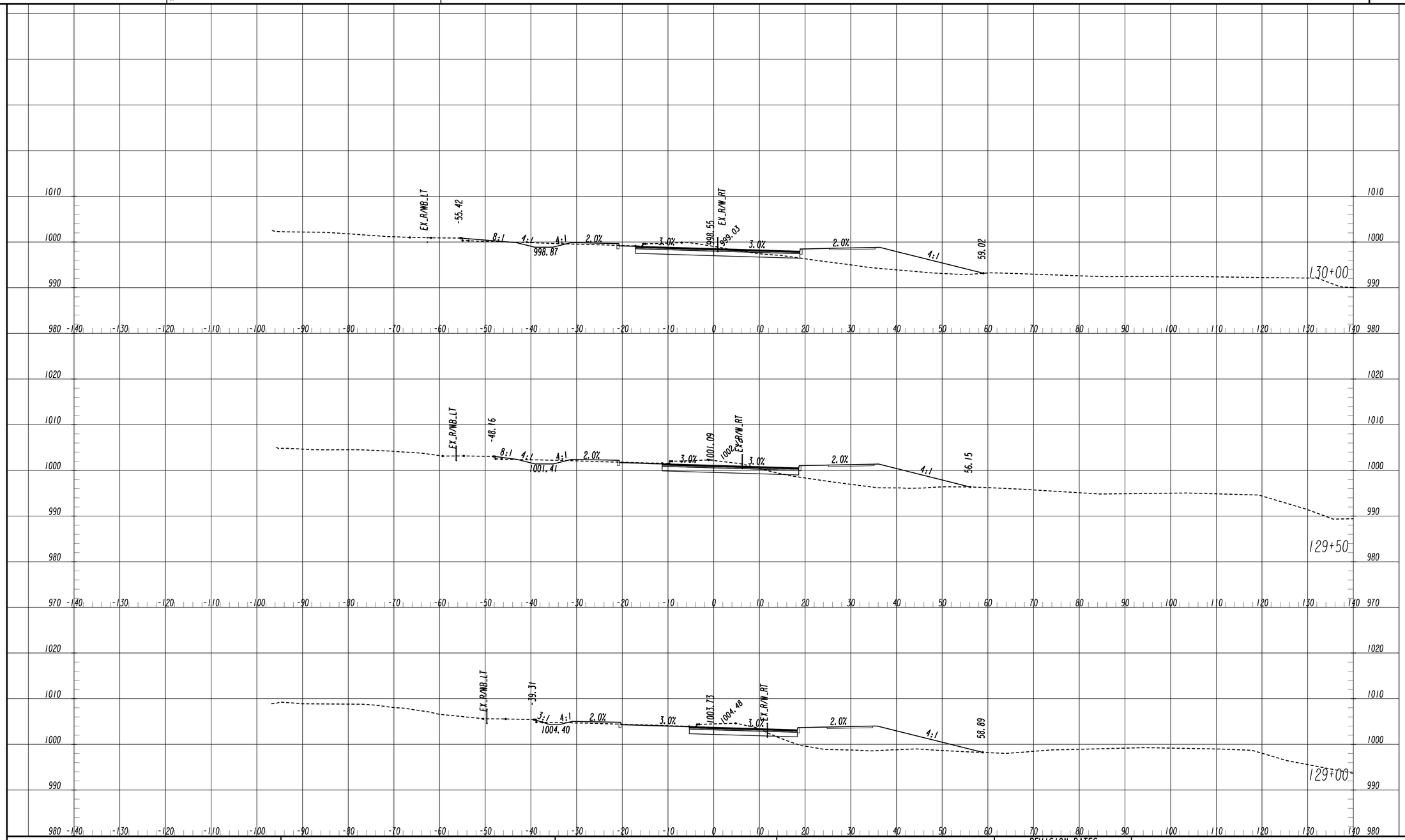
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0015

9/16/2022 7:43:32 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

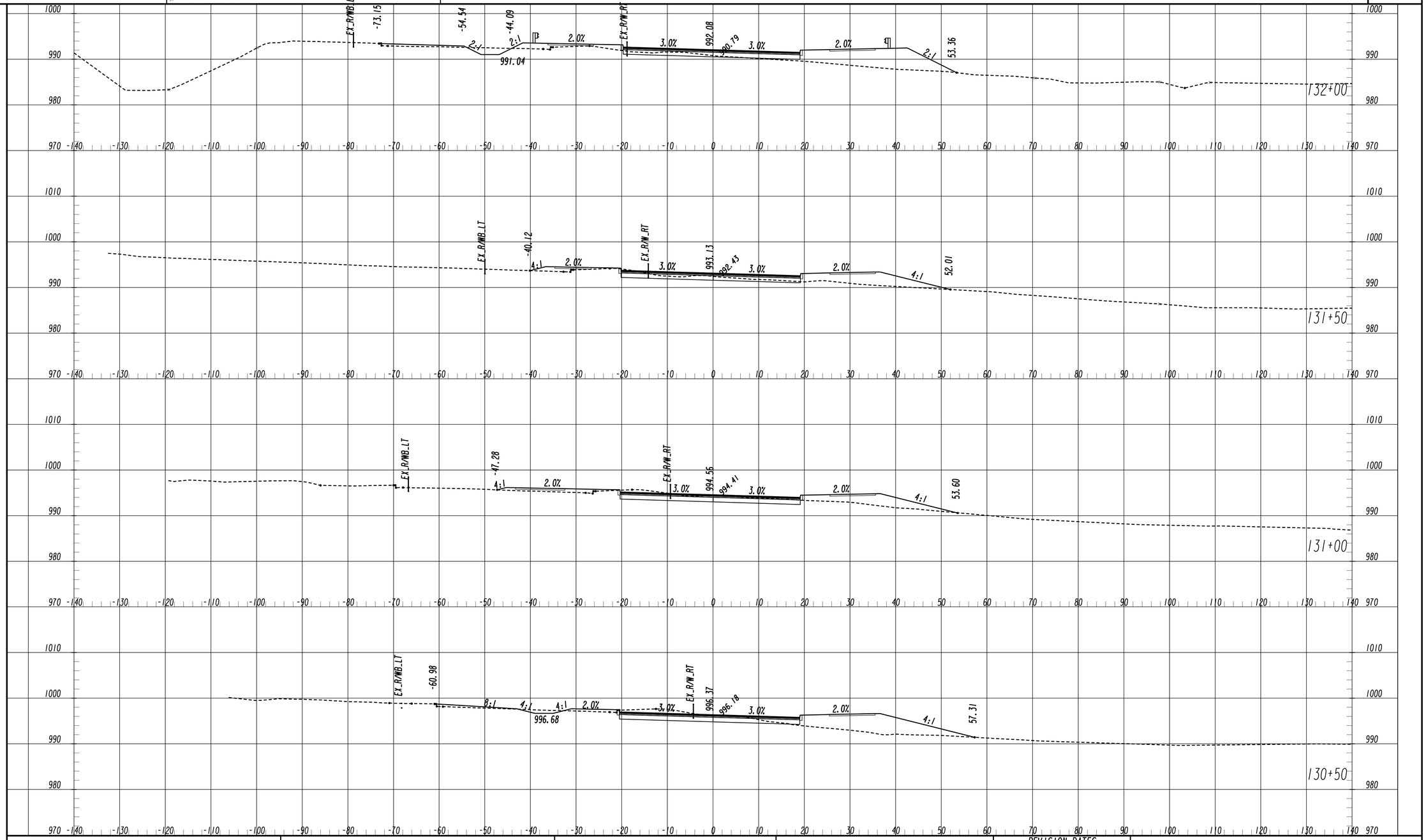
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0016

9/16/2022 7:43:39 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

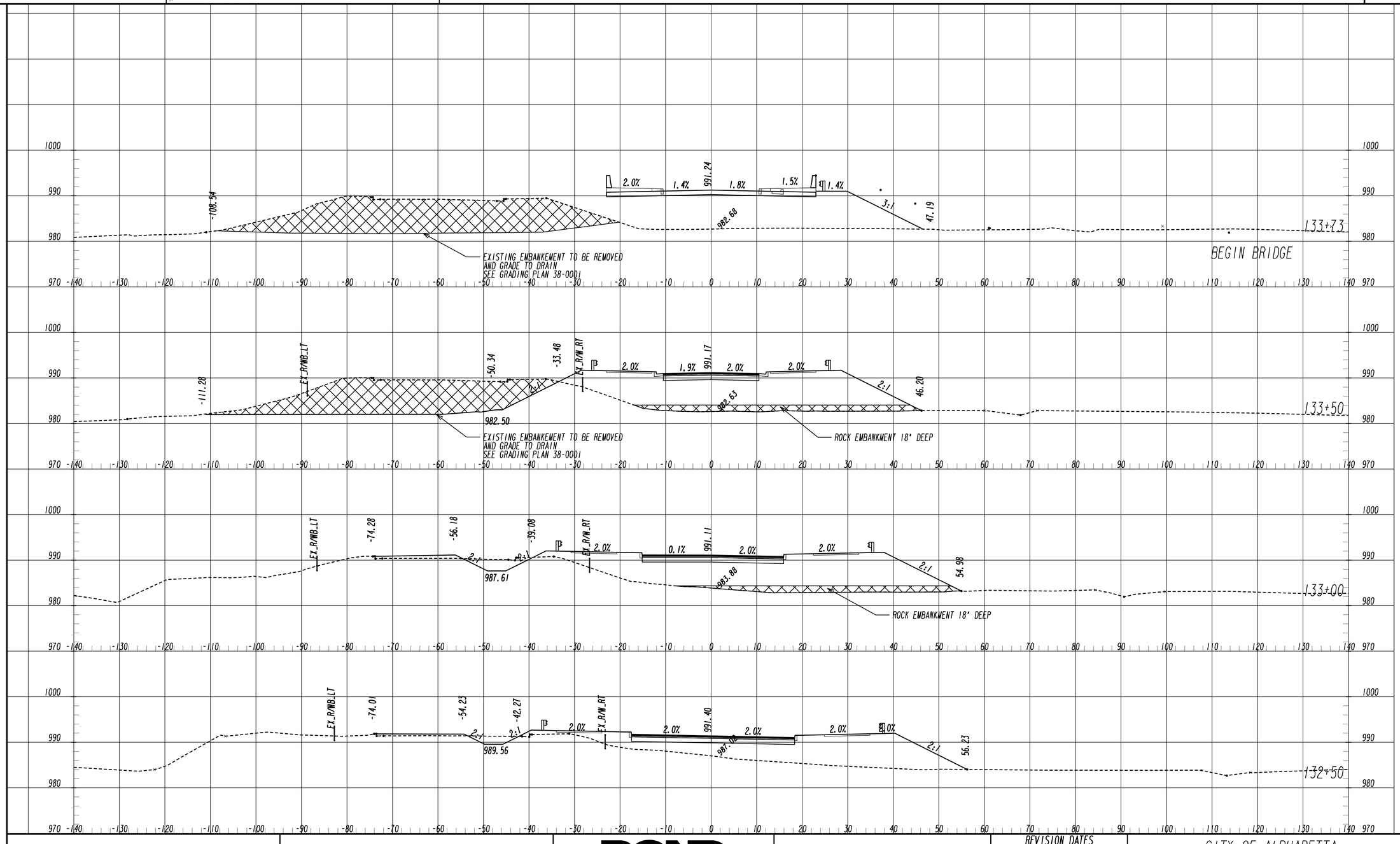
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0017

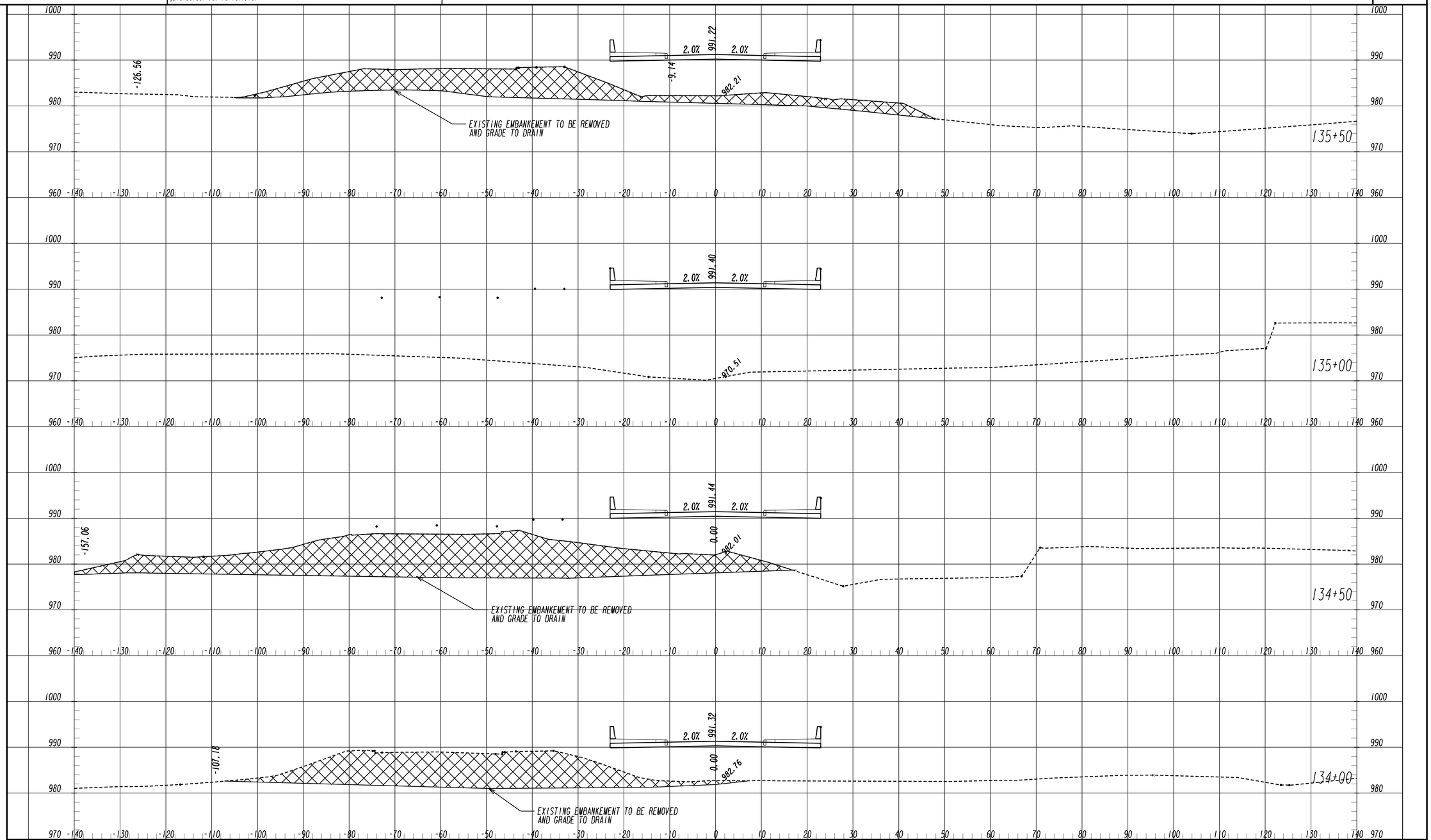


		POND Architects ▪ Engineers ▪ Planners; THE CITY OF ALPHARETTA GEORGIA	SCALE 1 IN = 10 FT HORZ. SCALE 1 IN = 10 FT VERT.	REVISION DATES	CITY OF ALPHARETTA OFFICE: PUBLIC WORKS EARTHWORK CROSS SECTIONS WEBB BRIDGE ROAD WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY DRAWING No. 23-0018

9/16/2022 7:43:54 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

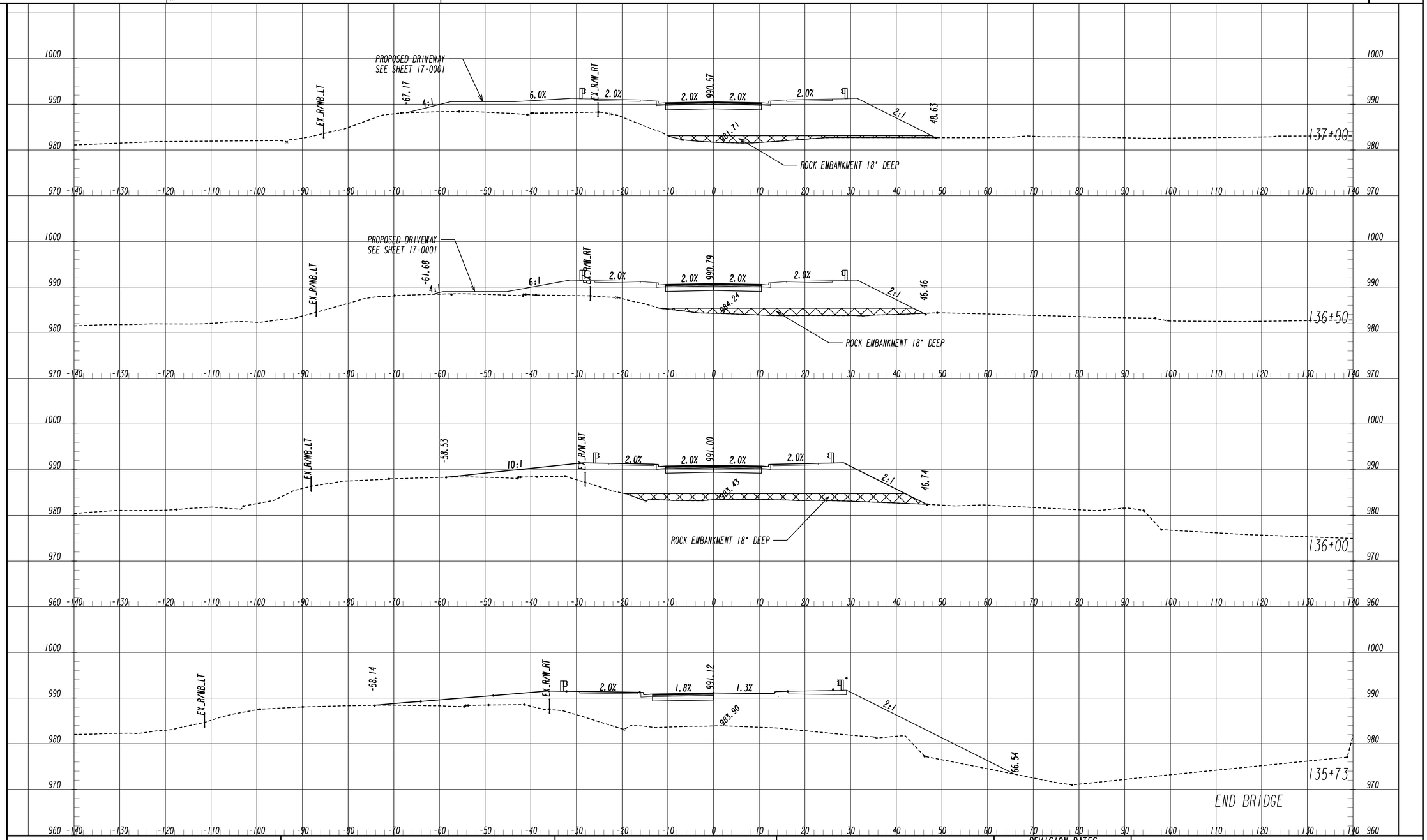
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS WEBB BRIDGE ROAD

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0019



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

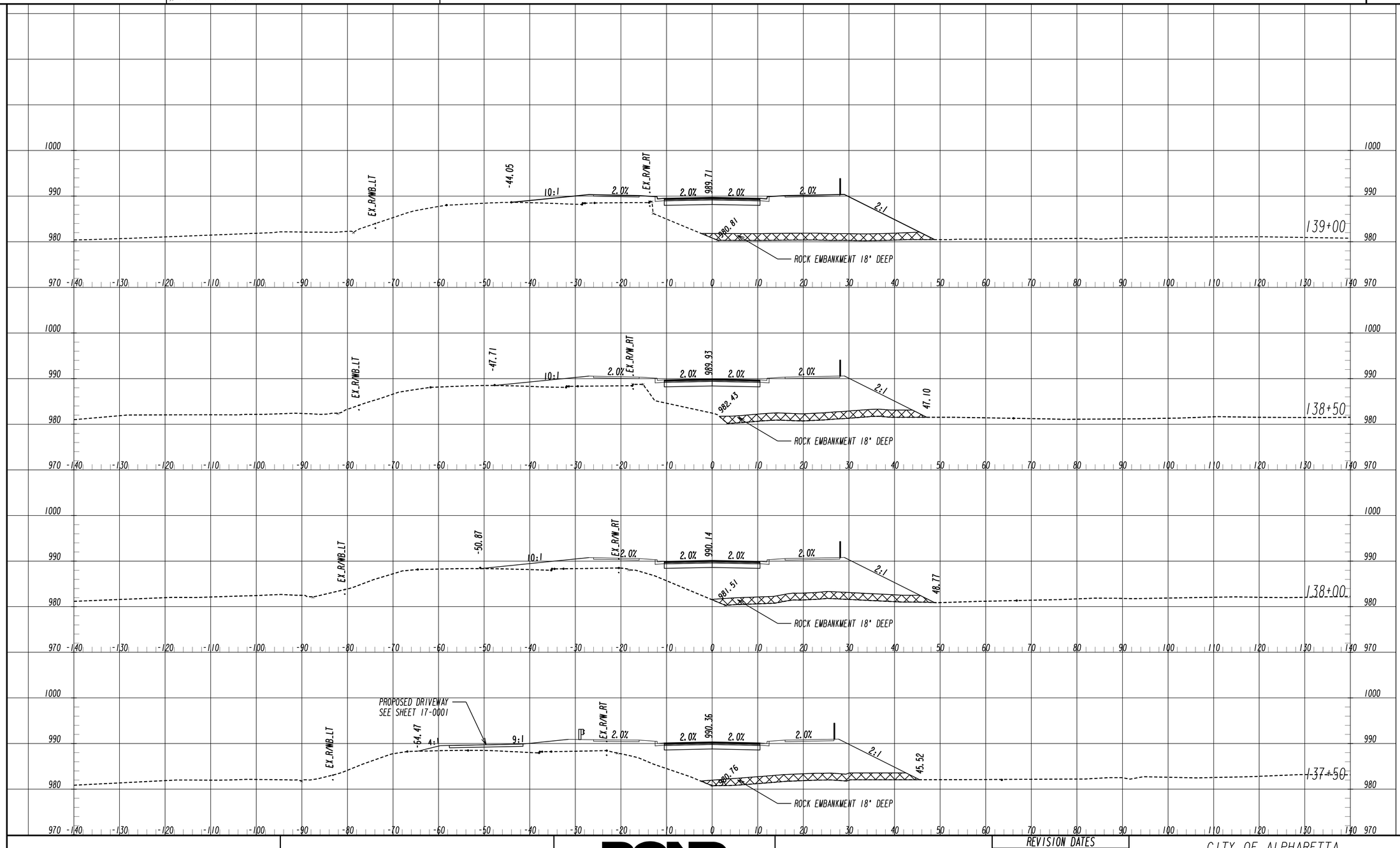
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0020

9/16/2022 7:44:08 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0021

9/16/2022 7:44:16 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0022

9/16/2022 7:44:23 PM
USER:Ali.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0023

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

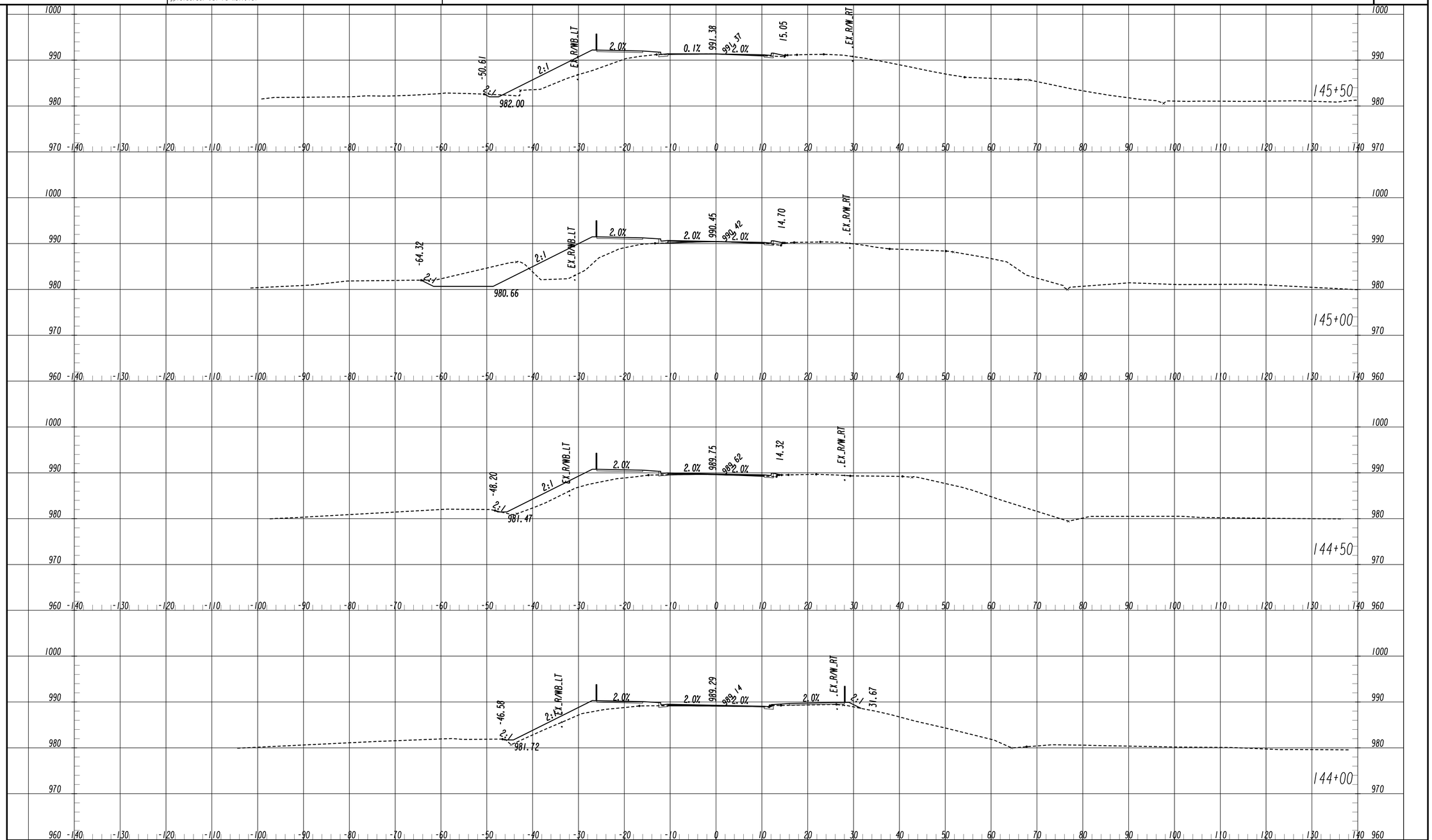
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0024

9/16/2022 7:44:38 PM
USER:A11.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

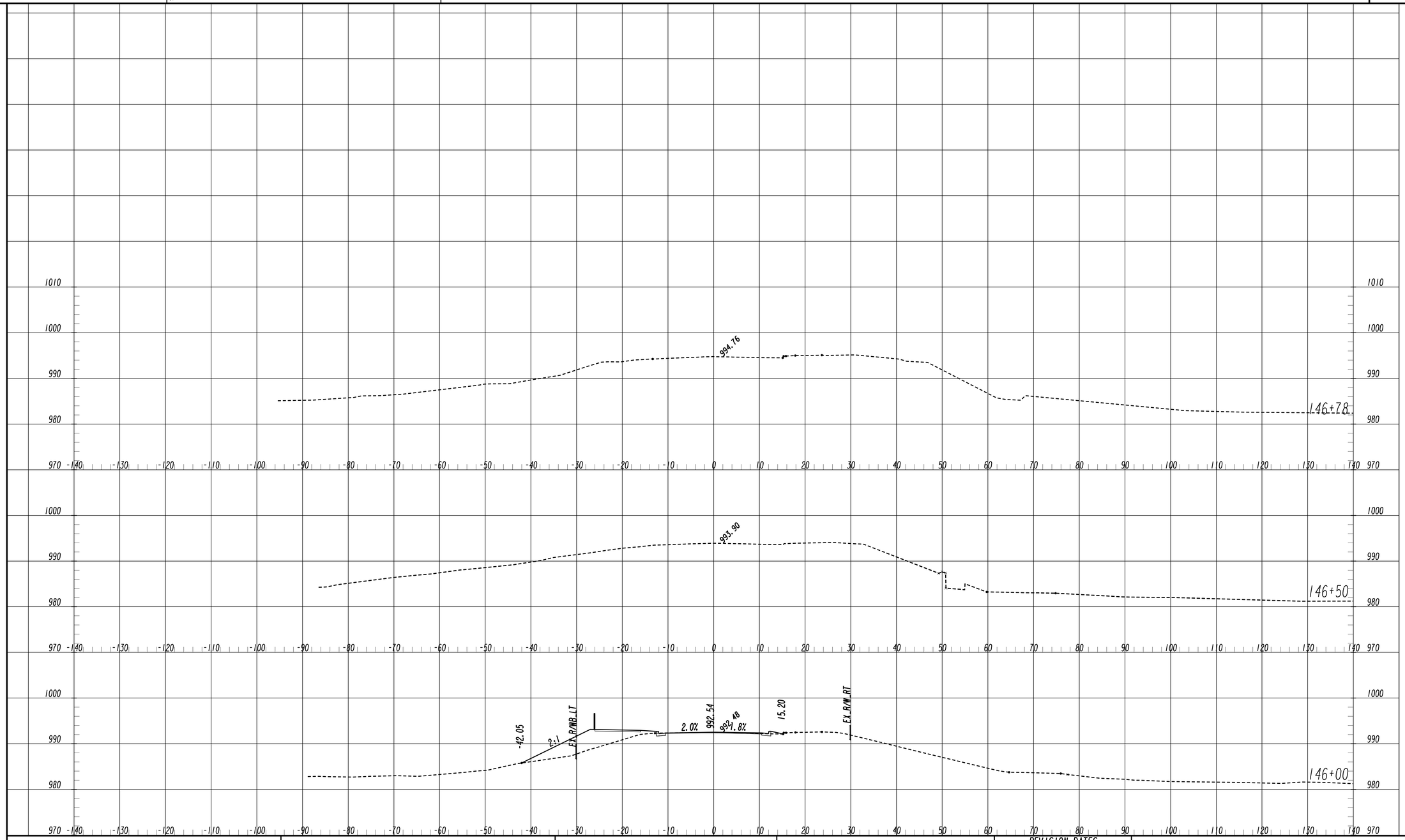
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0025

9/16/2022 7:44:45 PM
USER:Alt.Badlee

GPLOT-V8
gplotborder-V8i-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
WEBB BRIDGE ROAD

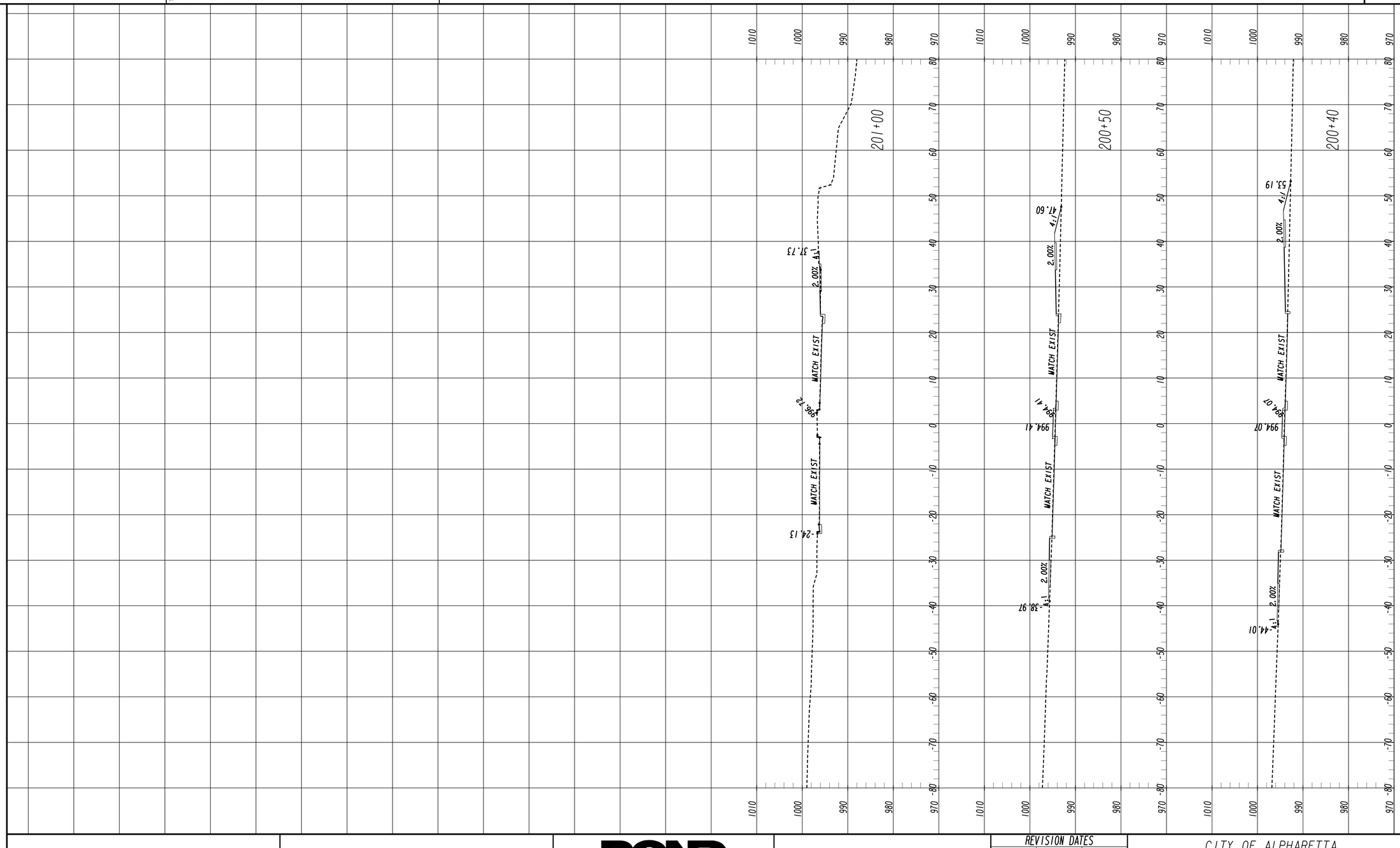
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
23-0026

9/16/2022 7:44:52 PM
USER:A11.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN : 10 FT HORZ.
SCALE 1 IN : 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS STRATH DRIVE

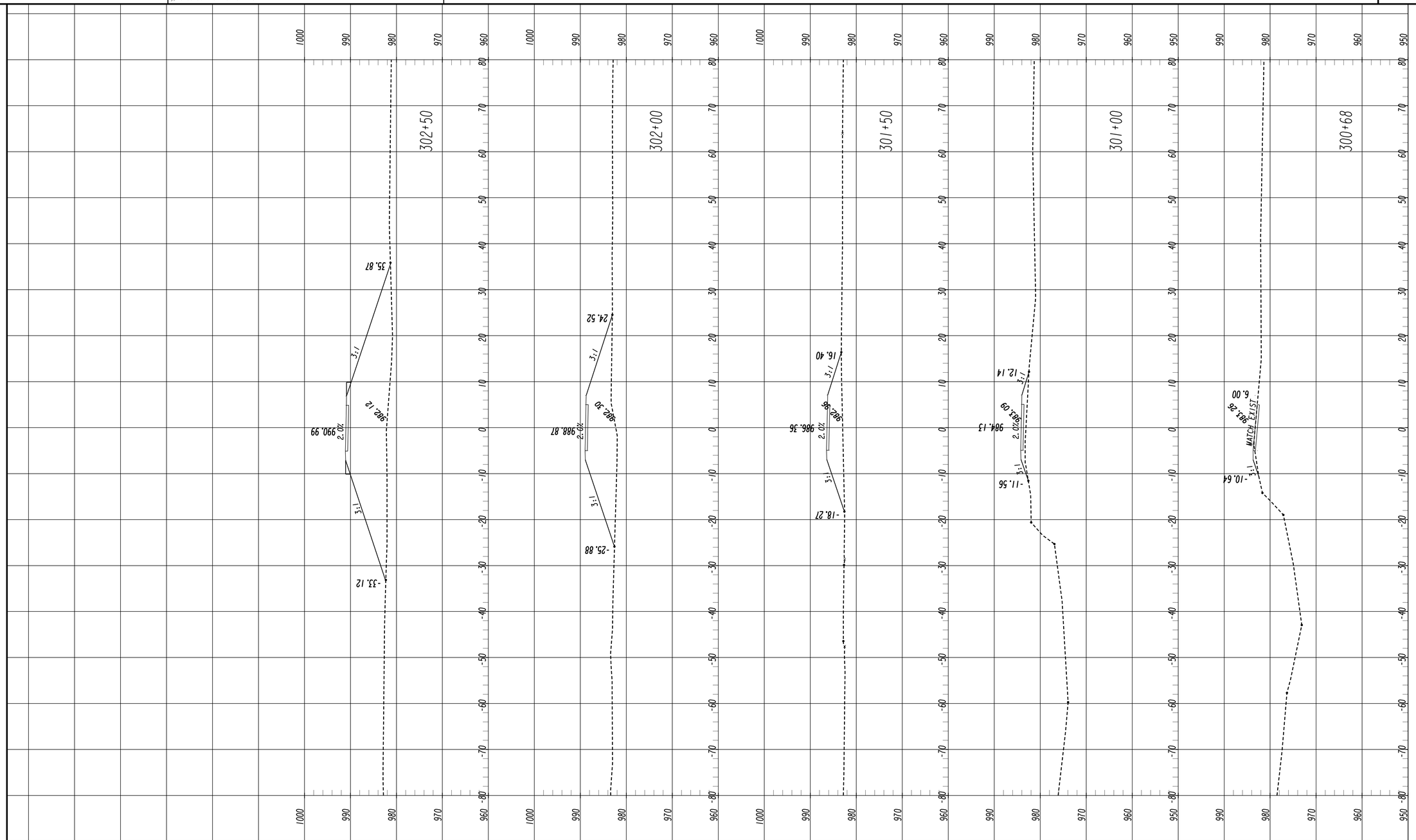
STRATH DRIVE

DRAWING No.
23-0027

9/16/2022 7:44:59 PM
USER:A11.Badlee

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_23-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE 1 IN = 10 FT HORZ.
SCALE 1 IN = 10 FT VERT.

REVISION DATES

CITY OF ALPHARETTA

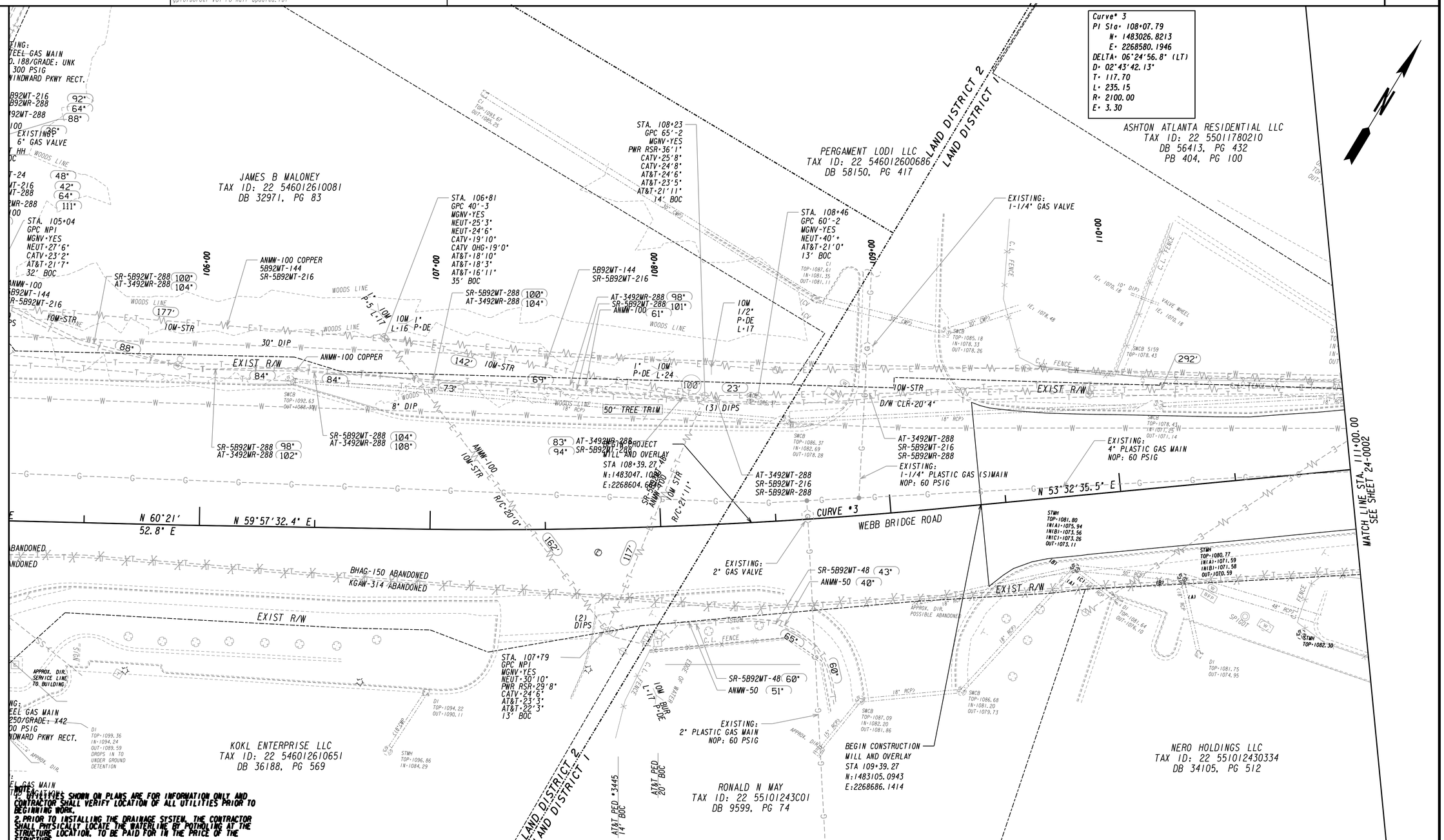
OFFICE: PUBLIC WORKS

EARTHWORK CROSS SECTIONS
BIG CREEK GREENWAY TRAIL

GREENWAY

DRAWING No.
23-0028

9/22/2022 5:23:00 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_24-0001.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



NOTE:
1. UTILITIES SHOWN ON PLANS ARE FOR INFORMATION ONLY AND CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK.
2. PRIOR TO INSTALLING THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL PHYSICALLY LOCATE THE WATERLINE BY POTHOLING AT THE STRUCTURE LOCATION, TO BE PAID FOR IN THE PRICE OF THE STRUCTURE

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	
BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING	

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

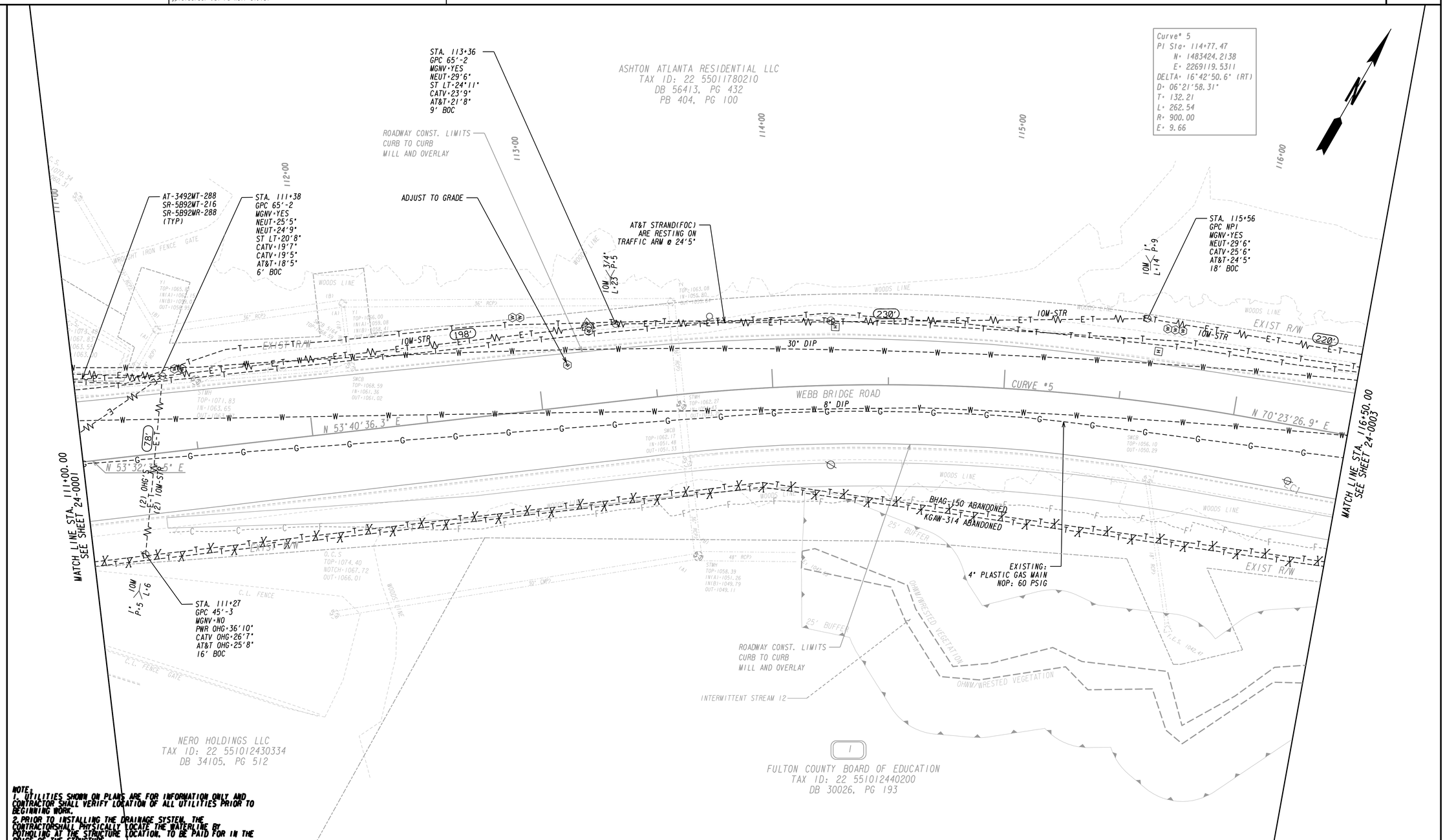
OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
24-0001

9/16/2022 6:02:09 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_24-0002.dgn
USER:LopezA gplotborder-V8I-PO-half-UT.tbl



NOTE:
1. UTILITIES SHOWN ON PLANS ARE FOR INFORMATION ONLY AND CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK.
2. PRIOR TO INSTALLING THE DRAINAGE SYSTEM, THE CONTRACTORSHALL PHYSICALLY LOCATE THE WATERLINE BY POTHOLING AT THE STRUCTURE LOCATION, TO BE PAID FOR IN THE PRICE OF THE STRUCTURE

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING	

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

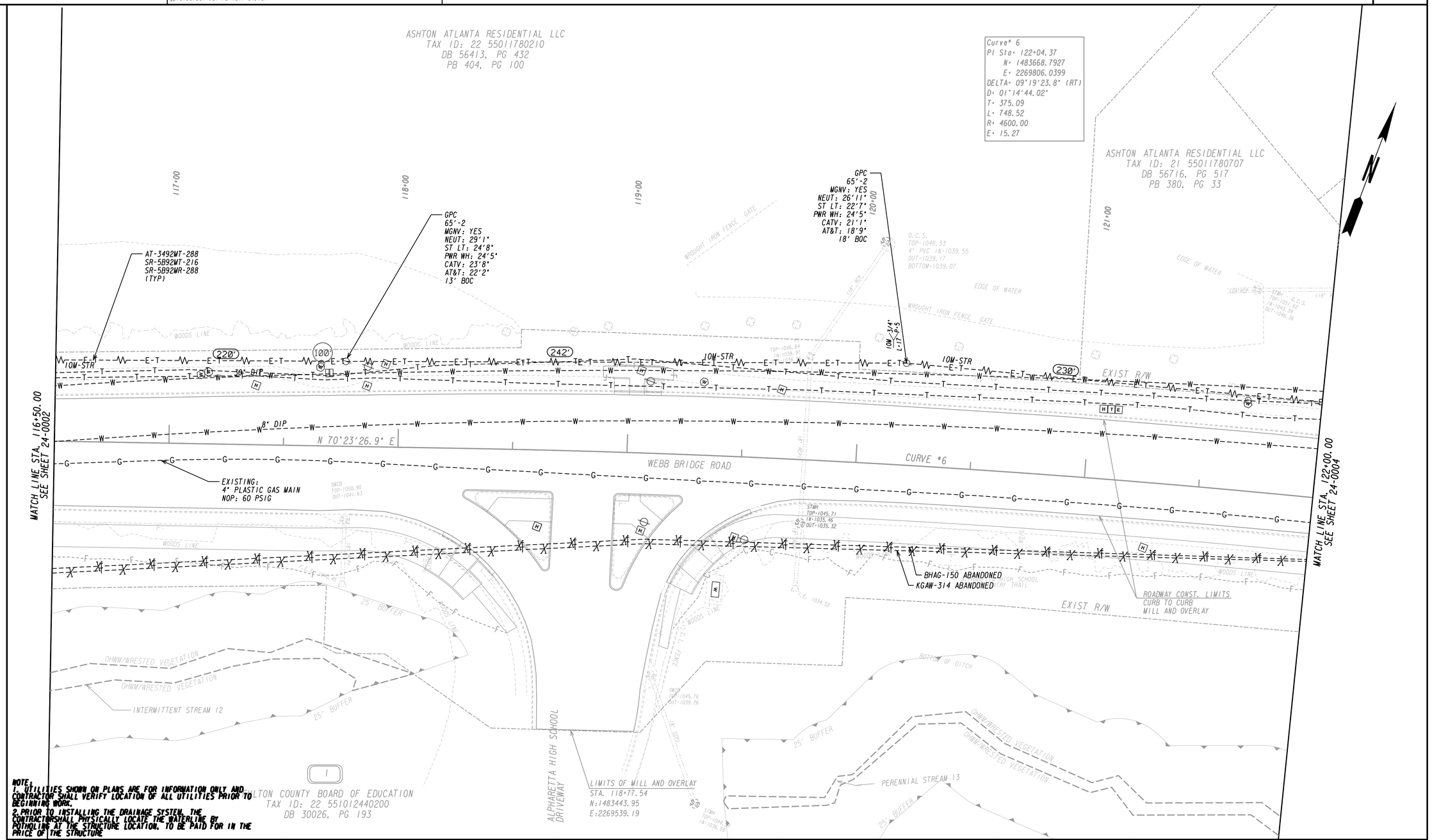
SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
UTILITY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
24-0002

9/16/2022 6:02:30 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_24-0003.dgn
USER:LopezA gplotborder-V8I-PO-half-UT.tbl



NOTE:
1. UTILITIES SHOWN ON PLANS ARE FOR INFORMATION ONLY AND CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK.
2. PRIOR TO INSTALLING THE DRAINAGE SYSTEM, THE CONTRACTORSHALL PHYSICALLY LOCATE THE WATERLINE BY POTHOLING AT THE STRUCTURE LOCATION, TO BE PAID FOR IN THE PRICE OF THE STRUCTURE

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

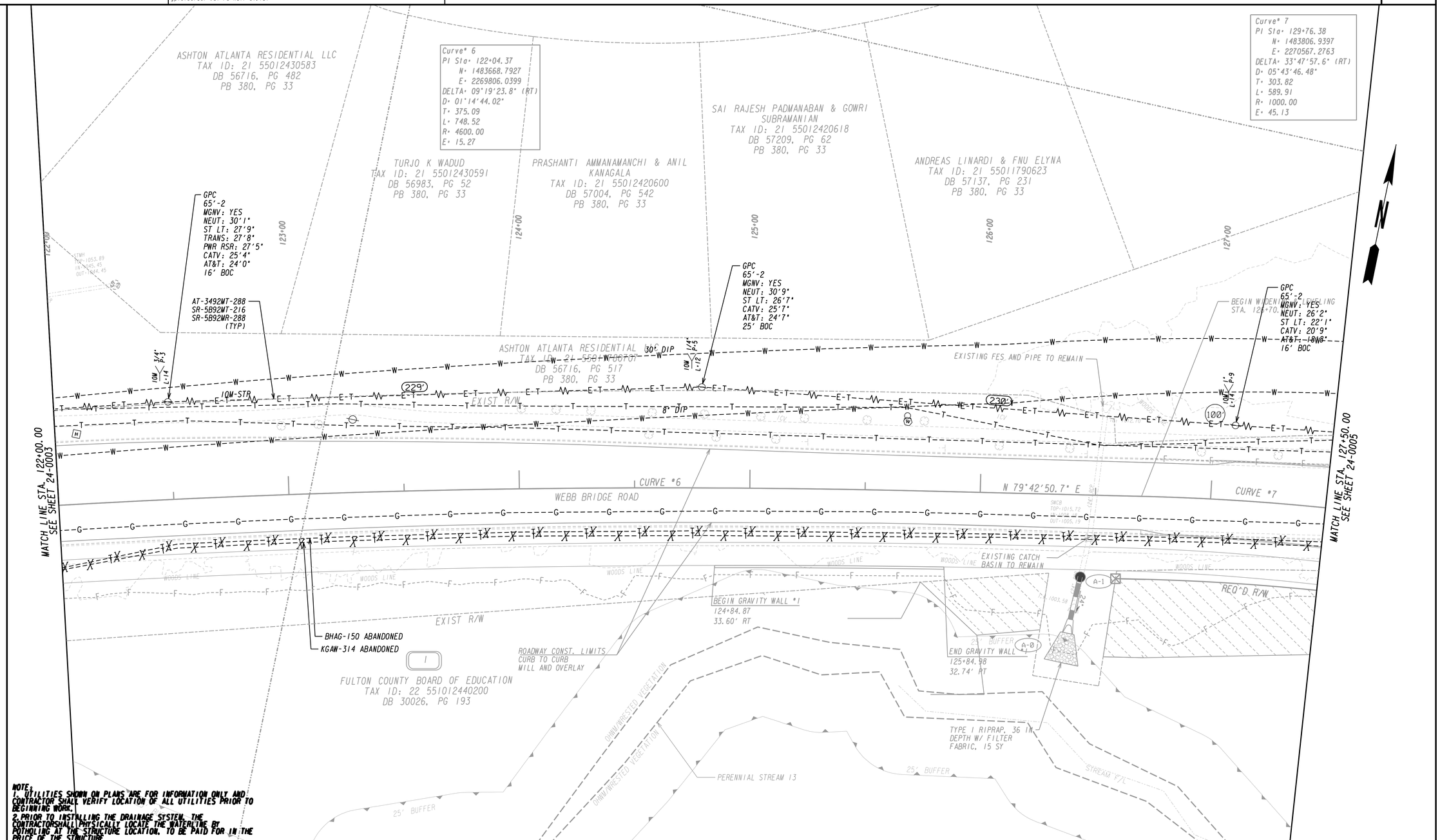
SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
UTILITY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
24-0003

9/16/2022 6:02:52 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_24-0004.dgn
USER:LopezA gplotborder-V8I-PO-half-UT.tbl



NOTE:
1. UTILITIES SHOWN ON PLANS ARE FOR INFORMATION ONLY AND CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK.
2. PRIOR TO INSTALLING THE DRAINAGE SYSTEM, THE CONTRACTORSHALL PHYSICALLY LOCATE THE WATERLINE BY POTHOLING AT THE STRUCTURE LOCATION, TO BE PAID FOR IN THE PRICE OF THE STRUCTURE

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING	

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
UTILITY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
24-0004

9/16/2022 8:54:07 PM
USER:Al1.Badlee

GPLOT-V8
gplotborder-V81-PO-half-UT.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_24-0005.dgn

Curve# 7
PI Sta= 129+76.38
N= 1483806.9397
E= 2270567.2763
DELTA= 33°47'57.6" (RT)
D= 05°43'46.48"
T= 303.82
L= 589.91
R= 1000.00
E= 45.13

PAIGE V & WILLIAM A LEDGERWOOD
TAX ID: 21 55011790698
DB 57208, PG 632
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011790702
DB 56716, PG 517
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011790714
DB 56716, PG 517

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

STA. 129+43
GPC 65'-2
MGNV-YES
NEUT-29'11"
ST LT-26'1"
CATV-24'4"
AT&T-22'8"
13' BOC

STA. 130+62
GPC 65'-2
MGNV-YES
NEUT-29'0"
ST LT-24'9"
CATV-23'9"
AT&T-21'9"
9' BOC

STA. 131+97
GPC 65'-2
MGNV-YES
NEUT-28'6"
ST LT-25'3"
CATV-24'3"
AT&T-21'9"
14' BOC

SEE 44 SERIES FOR EXACT WATERLINE RELOCATION

31" INNERDUCT E/W: SR-5B02WT-024

36" INNERDUCT E/W: SR-5B02WT-144

ADJUST TO GRADE

AT-3492WT-288
SR-5B92WT-216
SR-5B92WR-288

PROPOSED: 410' X 6" PLASTIC GAS MAIN NOP: 60 PSIG

AT-3492WT-288
SR-5B92WT-216

30" DIP

8" DIP

(2) DIPS

ABANDON: 4" PLASTIC GAS MAIN INSTALL DATE:1983

EXISTING: 2" PLASTIC GAS MAIN NOP: 60 PSIG

CUT & CAP TIE-INTO 2" PLASTIC GAS MAIN NOP: 60 PSIG

ABANDON: 2" PLASTIC GAS MAIN INSTALL DATE:2015

PROPOSED: 1510' X 6" PLASTIC GAS MAIN NOP: 60 PSIG

HH Quanta

PROPOSED: 15' X 2" PLASTIC GAS MAIN NOP: 60 PSIG

EXISTING: 2" GAS VALVE

ABANDON: 2" GAS VALVE

AT-3492WT-288
SR-5B92WT-216

FES TO REMAIN

CUT EXISTING PIPE

EXISTING: 4" PLASTIC GAS MAIN NOP: 60 PSIG

BHAG-150 ABANDONED

KGAW-314 ABANDONED

CUT & CAP TIE-INTO 4" PLASTIC GAS MAIN NOP: 60 PSIG

TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 10 SY

TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 8 SY

INTERSECTION
WEBB BRIDGE ROAD
STA. 131+41.28
STRATH DRIVE
STA. 200+00.00
N-1483727.2369
E-2270732.0763

RECESS R/W MARKER

WETLAND 14

25' BUFFER

OHWM/WRESTED VEGETATION

OHWM/WRESTED VEGETATION

PERENNIAL STREAM 13

STREAM F/L

WEBB BRIDGE ROAD

STRATH DRIVE

EXIST R/W

REQ'D R/W

WOODS LINE

EDGE OF WATER

METAL FENCE

GATE

CURVE #7

L S 66°29'11.8" E

MATCH LINE STA. 127+50.00
SEE SHEET 24-0004

MATCH LINE STA. 133+00.00
SEE SHEET 24-0006

NOTE:
1. UTILITIES SHOWN ON PLANS ARE FOR INFORMATION ONLY AND CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK.
2. PRIOR TO INSTALLING THE DRAINAGE SYSTEM, THE CONTRACTORSHALL PHYSICALLY LOCATE THE WATERLINE BY POTHOLING AT THE STRUCTURE LOCATION. TO BE PAID FOR IN THE PRICE OF THE STRUCTURE

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
CONN OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
24-0005

WETLAND 15
PERENNIAL STREAM 16
CITY OF ALPHARETTA
TAX ID: 21 5550124102460
DB 26462, PG 29
PERENNIAL STREAM 17
ABANDON EXISTING 8" LINE. 2 FIRE HYDRANTS. WV MARKER. & WV.
2
ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 5501179071 4
DB 56716, PG 517
SSMH TOP=988.71 NO ACCESS LOCKED
CONNECTIONS ARE BASED ON EYE WITNESS STATEMENT FROM CITY EMPLOYEE THAT THIS IS A TRUNK LINE
OHWM
WRESTED VEGETATION
BIG CREEK
25' BUFFER
30" DIP
EXIST R/W
WOODS LINE
ABANDON: 4" PLASTIC GAS MAIN INSTALL DATE:1983
8" DIP
10W-STR
AT-3492WT-288
SR-5B92WT-216
ABANDON: 4" STEEL GAS MAIN INSTALL DATE:1983
EXISTING: 4" PLASTIC GAS MAIN NOP: 60 PSIG
PROPOSED: 6" PLASTIC GAS MAIN NOP: 60 PSIG
SEE 44 SERIES FOR EXACT WATERLINE RELOCATION
KGAW-314 ABANDONED
BHAG-150 ABANDONED
GPC 65-'2 MGNV: YES NEUT: 33'7" ST LT: 31'6" CATV: 28'11" AT&T: 21'9" 8' EOP
EXISTING: 4" PLASTIC GAS MAIN NOP: 60 PSIG
MATCH LINE STA. 133+00.00 SEE SHEET 24-0005
S 66°29'11.8" E
REQ'D R/W
WEBB BRIDGE ROAD
SSMH TOP=992.47 NO ACCESS LOCKED
ADJUST TO GRADE
303+00
N 17°21'20.7" E
BIG CREEK GREENWAY
MATCH LINE STA. 138+50.00 SEE SHEET 24-0007
EXISTING: 4" STEEL GAS MAIN WT: UNK/GRADE: UNK NOP: 60 PSIG CP: ANODE
GPC 65-'2 MGNV: YES NEUT: 32'10" ST LT: 31'3" CATV: 28'6" AT&T: 21'6" 6' EOP
SEE SHEET 35-005 FOR CONNECTION OF 8" WATER LINE DETAIL TO BRIDGE
TYPE I RIPRAP, 36 IN DEPTH W/ FILTER FABRIC, 8 SY
TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 8 SY
TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 8 SY
PERENNIAL STREAM 13
PERENNIAL STREAM 16
1
FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 5510124402 00
DB 30026, PG 193
3
CITY OF ALPHARETTA
TAX ID: 21 5550124102 53
DB N/A, PG N/A
MATCH LINE STA. 302+00.00 SEE INSET A
SSMH TOP=984.92 IN=978.36 OUT=978.33
GPC 65-'2 MGNV: YES NEUT: 33'7" ST LT: 31'6" CATV: 28'11" AT&T: 21'9"
INTERSECTION OF WEBB BRIDGE ROAD AND BIG CREEK GREENWAY
STA. 137+51.09
STA. 303+13.77
N: 1483,...2662
E: 2271295.3666

INSET A
CONNECTIONS ARE BASED ON EYE WITNESS STATEMENT FROM CITY EMPLOYEE THAT IS A TRUNK LINE.
301+00
CURVE #1A
N 63°41'34.6
MATCH LINE STA. 302+00.00 SEE THIS SHEET

NOTE:
1. UTILITIES SHOWN ON PLANS ARE FOR INFORMATION ONLY AND CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK.
2. PRIOR TO INSTALLING THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL PHYSICALLY LOCATE THE WATERLINE BY POTHOLING AT THE STRUCTURE LOCATION. TO BE PAID FOR IN THE PRICE OF THE STRUCTURE

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

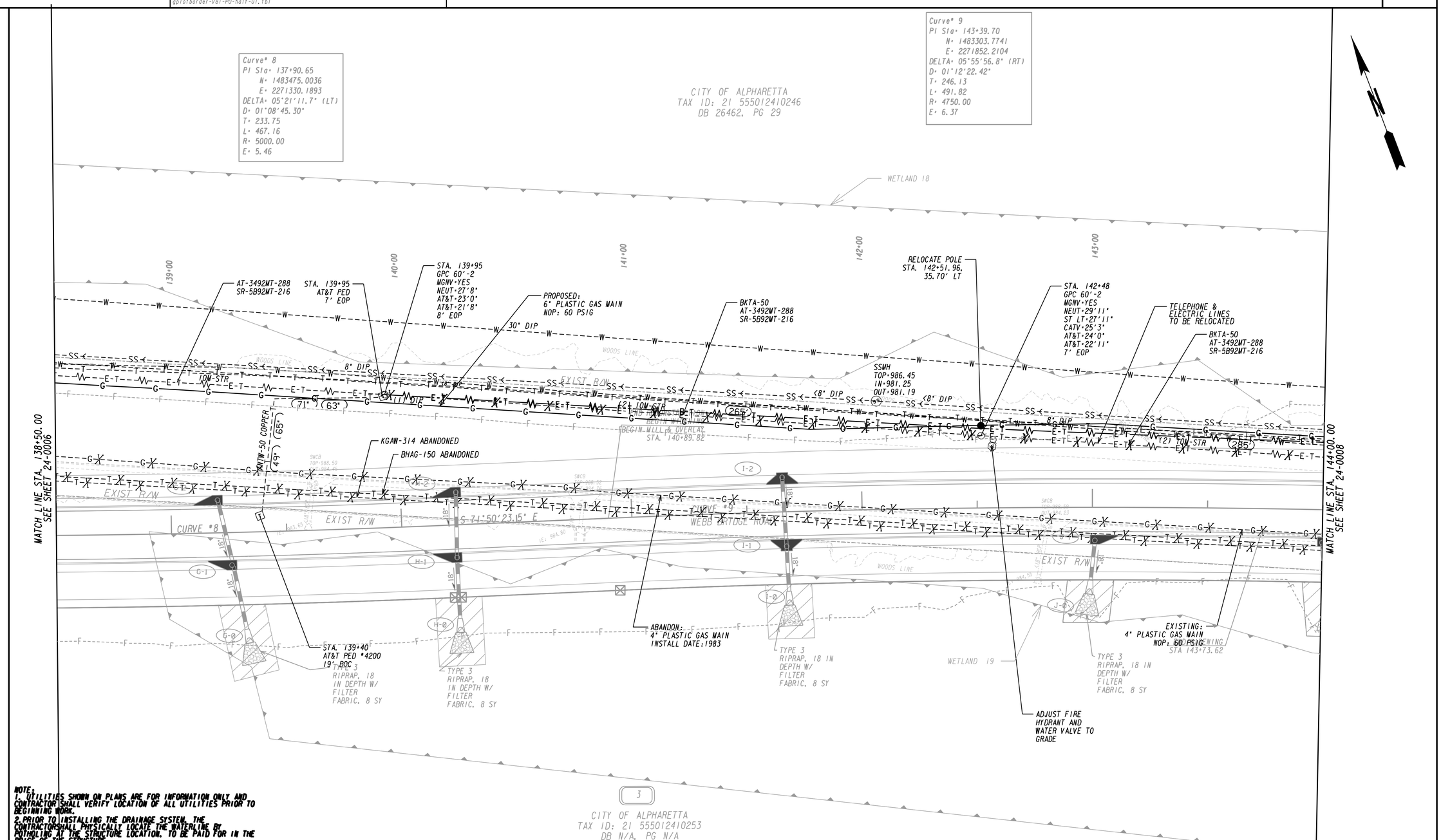
SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
UTILITY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No.
24-0006

24-0006

9/16/2022 6:04:03 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_24-0007.dgn
USER:LopezA gplotborder-V8I-PO-half-UT.tbl



NOTE:
1. UTILITIES SHOWN ON PLANS ARE FOR INFORMATION ONLY AND CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK.
2. PRIOR TO INSTALLING THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL PHYSICALLY LOCATE THE WATERLINE BY POTHOLING AT THE STRUCTURE LOCATION, TO BE PAID FOR IN THE PRICE OF THE STRUCTURE

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING	

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

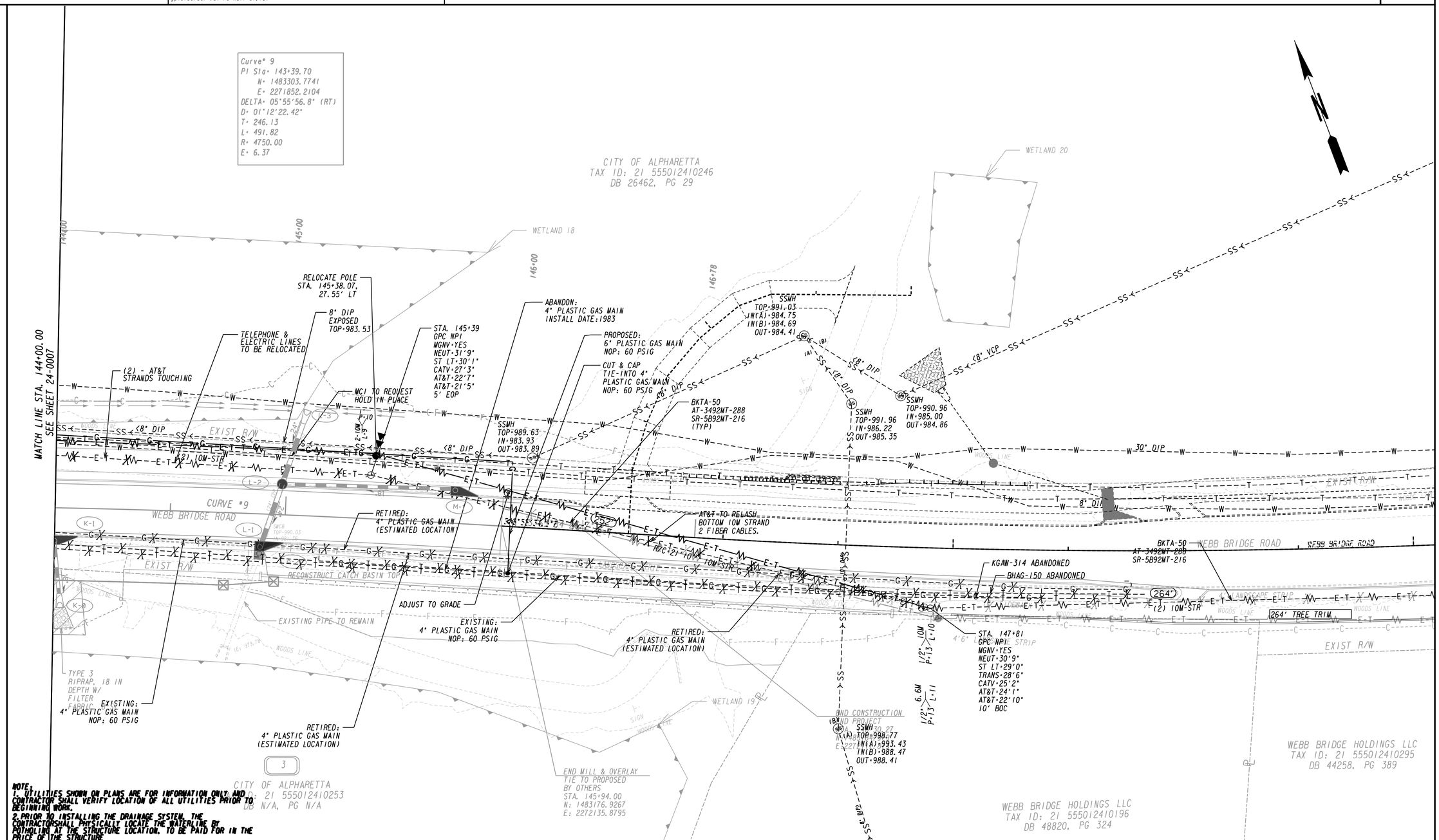
OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
24-0007

9/16/2022 6:05:28 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_24-0008.dgn
USER:LopezA gplotborder-V8I-PO-half-UT.tbl



NOTE:
1. UTILITIES SHOWN ON PLANS ARE FOR INFORMATION ONLY AND CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK.
2. PRIOR TO INSTALLING THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL PHYSICALLY LOCATE THE WATERLINE BY POTHOLING AT THE STRUCTURE LOCATION, TO BE PAID FOR IN THE PRICE OF THE STRUCTURE

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING	

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

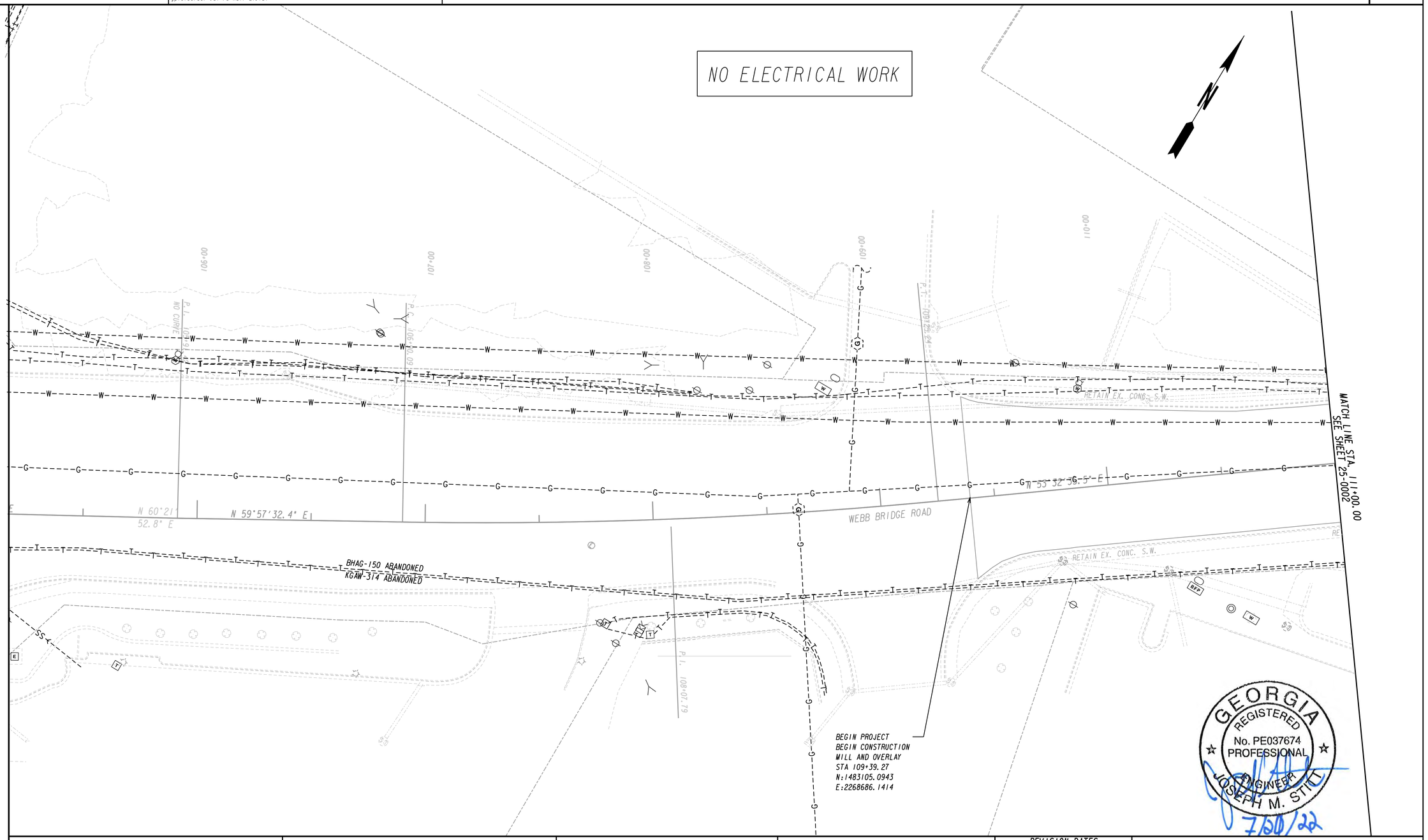
OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
24-0008

7/21/2022 3:59:06 PM GPLOT-V8 \\starfighter\Projects\FY20\1200980\04.CAD\DGN\1200980_25-0001.dgn
USER:PhillipsJ gplotborder-V8I-PO-half-LT.tbl



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

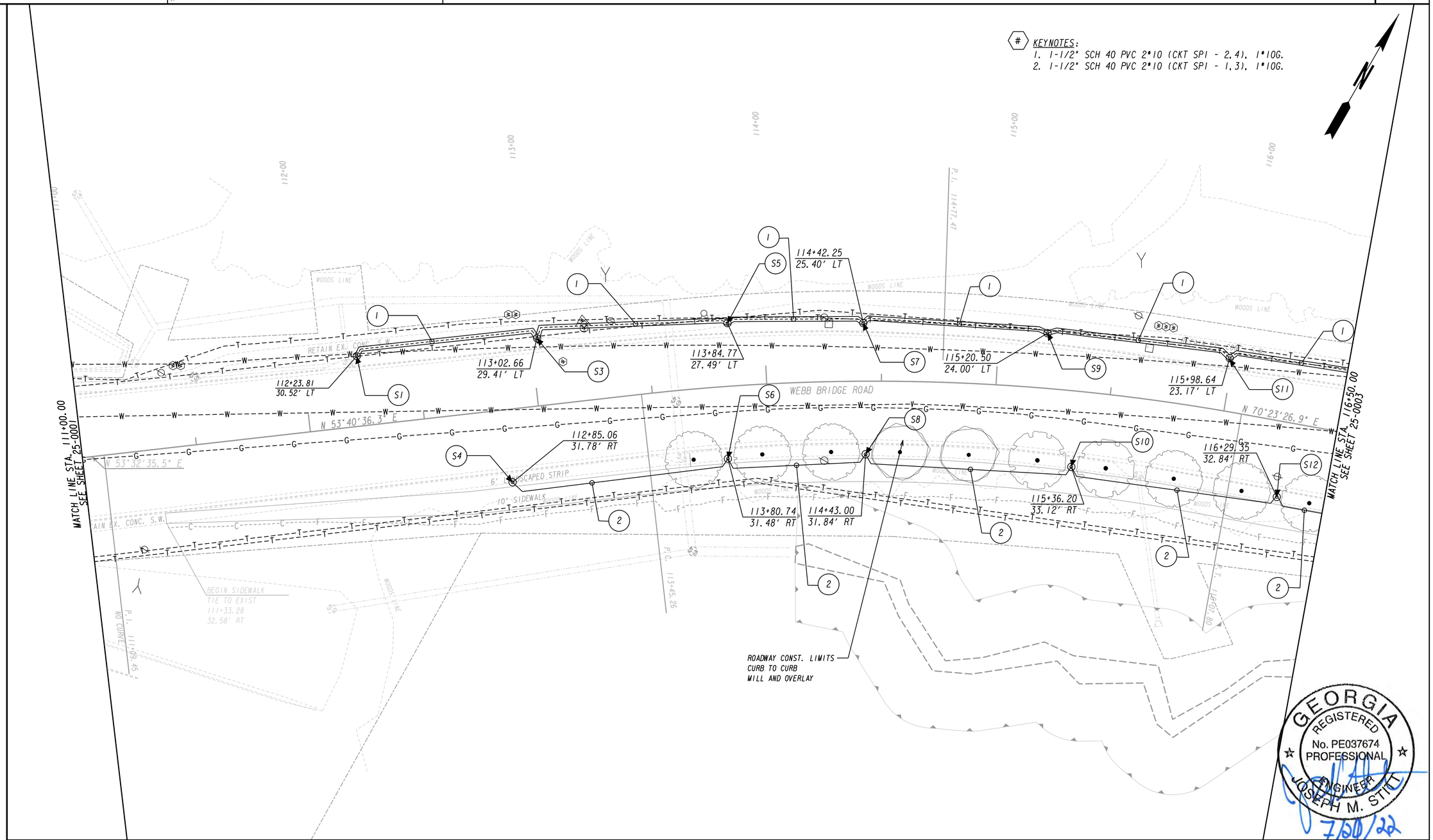
OFFICE: PUBLIC WORKS

LIGHTING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0001

7/21/2022 3:59:37 PM GPLOT-V8 \\starfighter\Projects\FY20\1200980\04.CAD\DGN\1200980_25-0002.dgn
USER:PhillipsJ gplotborder-V8I-PO-half-LT.tbl



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

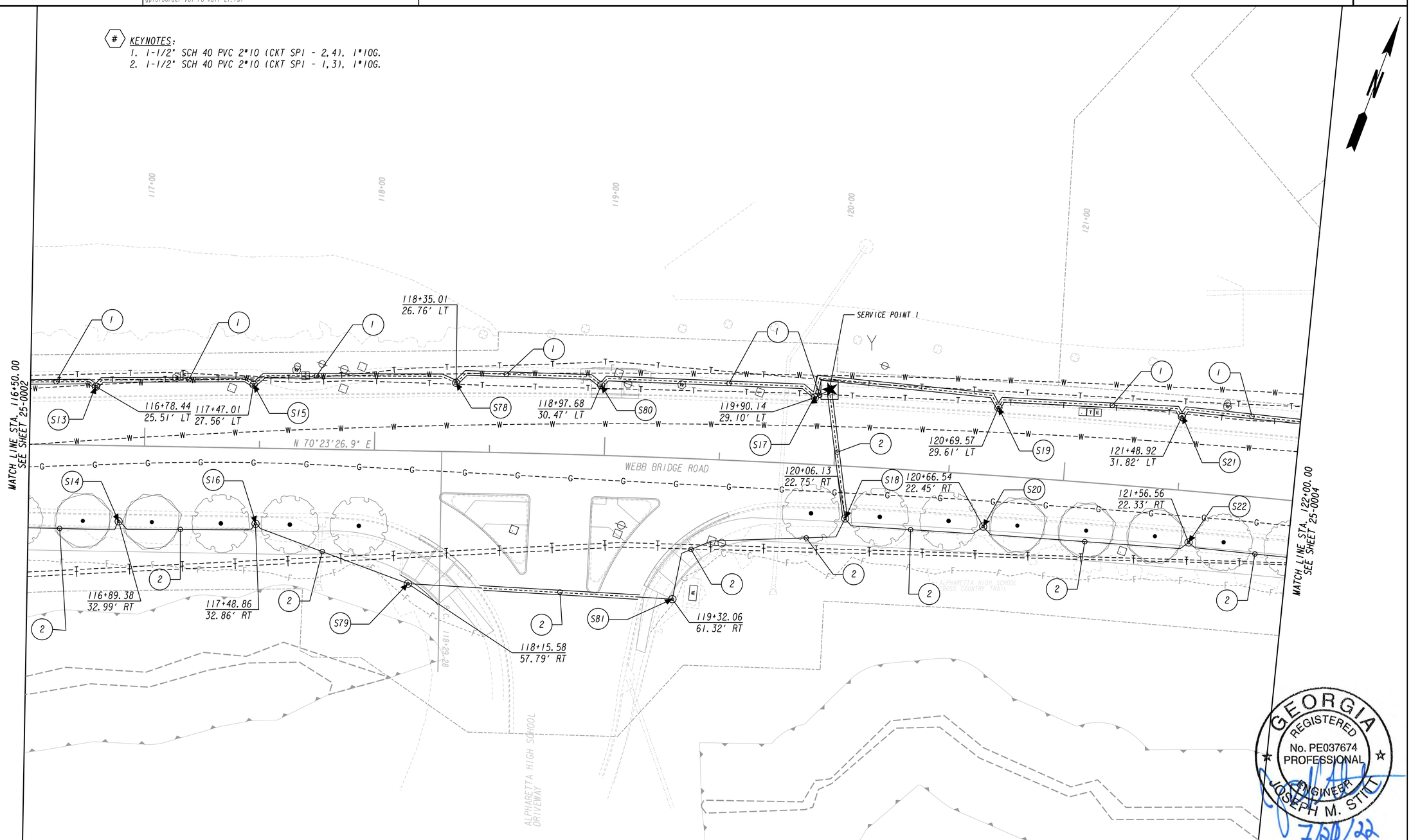
LIGHTING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0002

7/21/2022 4:00:07 PM | GPLOT-V8 | \\starflighter\Projects\FY20\1200980\04.CAD\DGN\1200980_25-0003.dgn
USER:Phillpsj | gplotborder-V8I-PO-half-LT.tbl

KEYNOTES:
1. 1-1/2" SCH 40 PVC 2"ID (CKT SPI - 2,4), 1"IDG.
2. 1-1/2" SCH 40 PVC 2"ID (CKT SPI - 1,3), 1"IDG.



GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STILL
7/20/22

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LIGHTING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0003

KEYNOTES:

1. 1-1/2" SCH 40 PVC 2"ID (CKT SP1 - 2,4), 1"IDG.
2. 1-1/2" SCH 40 PVC 2"ID (CKT SP1 - 1,3), 1"IDG.
3. 1-1/2" SCH 40 PVC 2"ID (CKT SP2 - 2,4), 1"IDG.
4. 1-1/2" SCH 40 PVC 2"ID (CKT SP2 - 1,3), 1"IDG.

N

MATCH LINE STA. 122+00.00
SEE SHEET 25-0003

MATCH LINE STA. 127+50.00
SEE SHEET 25-0005

WEBB BRIDGE ROAD

N 79°42'50.7" E

10' SIDEWALK

REQ'D R/W

ROADWAY CONST. LIMITS
CURB TO CURB
MILL AND OVERLAY

P.I. 122+00.00

P.I. 125+71.80

P.C. 126+72.57

122+28.58 / 31.92' LT — S23
123+08.16 / 26.47' LT — S25
123+87.55 / 24.26' LT — S27
124+67.15 / 23.73' LT — S29
125+46.63 / 21.78' LT — S31
126+26.66 / 21.18' LT — S33
127+06.10 / 21.56' LT — S35

122+47.65 / 22.16' RT — S24
123+07.53 / 22.49' RT — S26
123+97.98 / 21.94' RT — S28
124+88.50 / 21.77' RT — S30
125+78.55 / 22.82' RT — S32
126+38.10 / 20.88' RT — S34
127+29.60 / 21.67' RT — S36

GEORGIA
REGISTERED
No. PE037674
PROFESSIONAL
ENGINEER
JOSEPH M. STITT
7/20/22

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

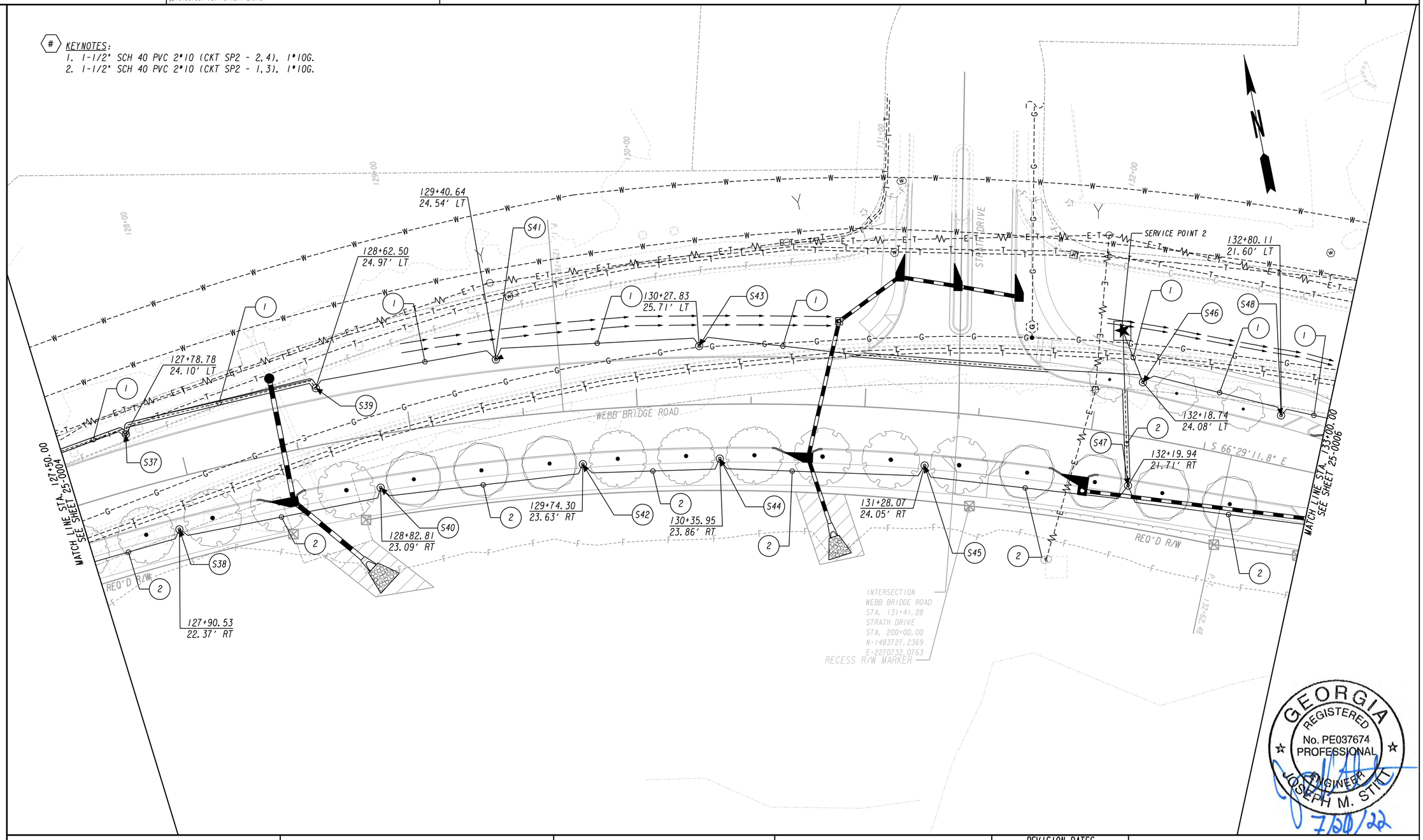
LIGHTING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0004

KEYNOTES:

1. 1-1/2" SCH 40 PVC 2"IO (CKT SP2 - 2,4), 1"IOG.
2. 1-1/2" SCH 40 PVC 2"IO (CKT SP2 - 1,3), 1"IOG.



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STILL
7/20/22

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

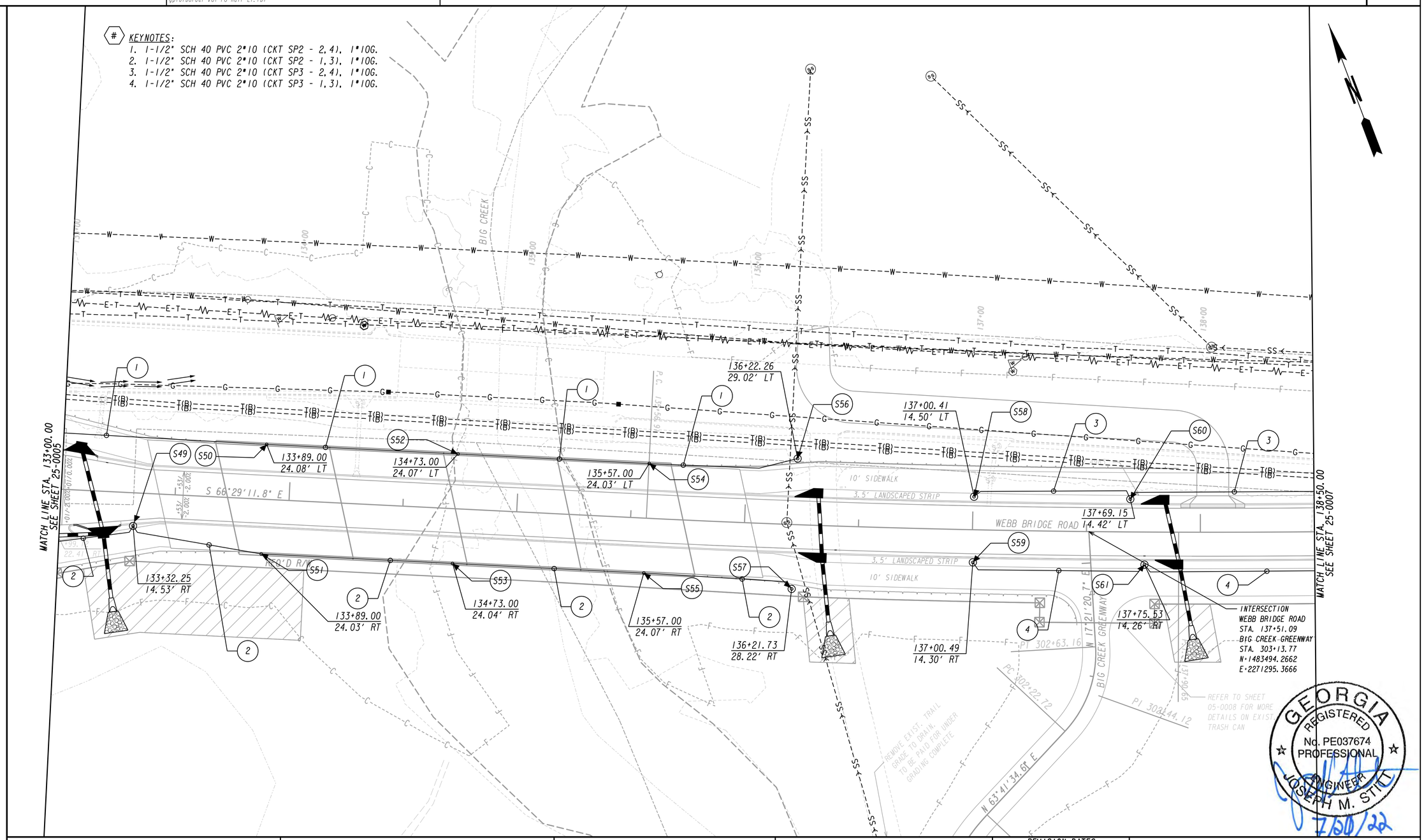
LIGHTING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0005

**KEYNOTES:**

1. 1-1/2" SCH 40 PVC 2"ID (CKT SP2 - 2,4), 1"IDG.
2. 1-1/2" SCH 40 PVC 2"ID (CKT SP2 - 1,3), 1"IDG.
3. 1-1/2" SCH 40 PVC 2"ID (CKT SP3 - 2,4), 1"IDG.
4. 1-1/2" SCH 40 PVC 2"ID (CKT SP3 - 1,3), 1"IDG.



GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STILL
7/20/22

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

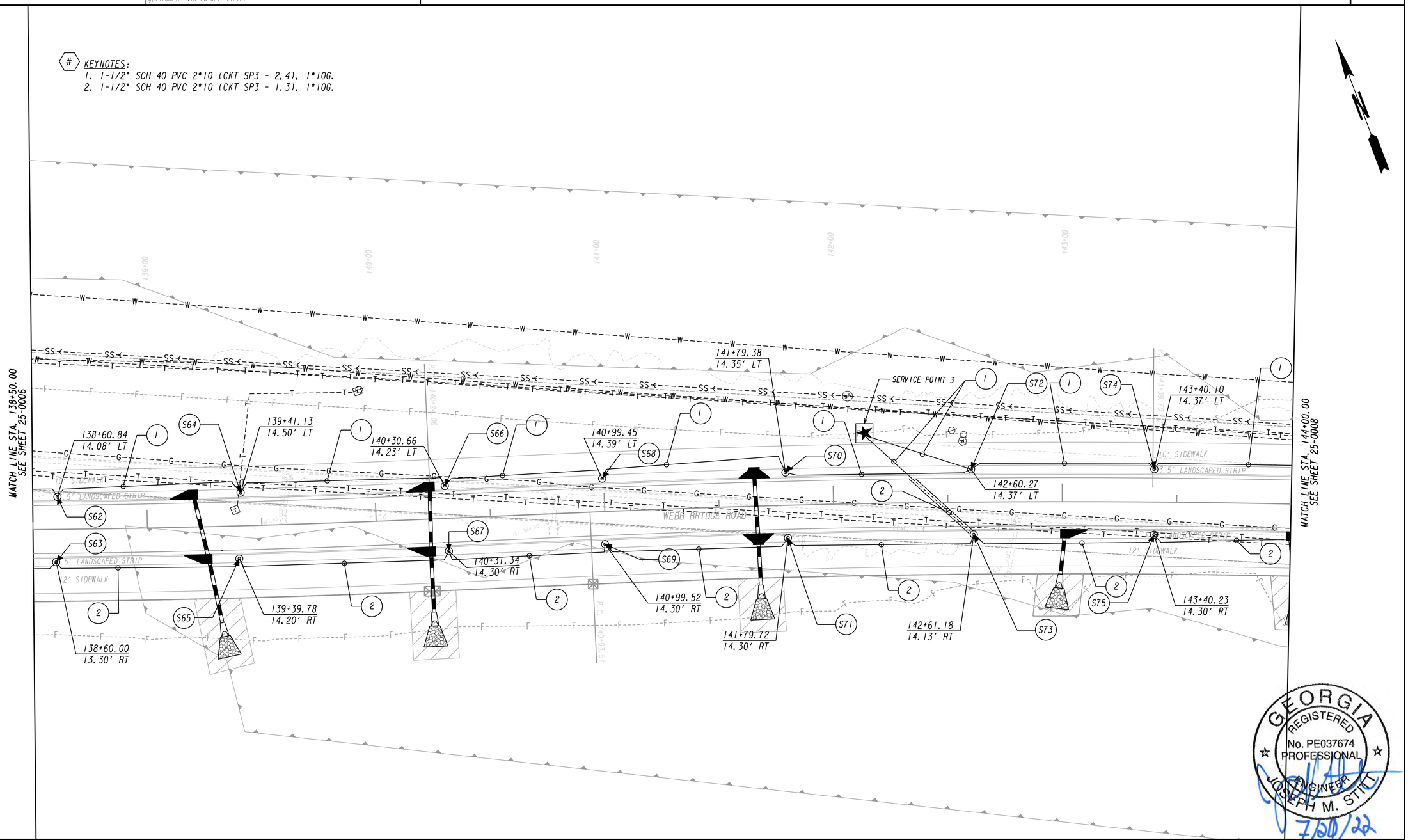
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LIGHTING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 25-0006

KEYNOTES:
1. 1-1/2" SCH 40 PVC 2"ID (CKT SP3 - 2,4), 1"IDG.
2. 1-1/2" SCH 40 PVC 2"ID (CKT SP3 - 1,3), 1"IDG.



GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STILL
7/20/22

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LIGHTING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0007

(#) KEYNOTES:
1. 1-1/2" SCH 40 PVC 2"ID (CKT SP3 - 2,4), 1"IDG.
2. 1-1/2" SCH 40 PVC 2"ID (CKT SP3 - 1,3), 1"IDG.

MATCH LINE STA. 144+00.00
SEE SHEET 25-0007

144+92.39
14.33' LT

145+88.71
14.29' LT

144+19.75
14.39' LT

144+20.46
14.41' RT

S76 S77 S82 S83

WEBB BRIDGE ROAD

S 65°54'26" E

EXIST. LIGHT TO REMAIN

END PROJECT
TIE TO PROPOSED
BY OTHERS
STA. 146+50.00
N: 1483176.9267
E: 2272135.8795

SIDEWALK TO BE BUILT BY OTHERS

CURB AND GUTTER TO BE BUILT BY OTHERS

GUARDRAIL TO BE BUILT BY OTHERS

GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STILL
7/20/22

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LIGHTING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 25-0008

LEGEND

◎A	PEDESTRIAN POST-TOP LUMINAIRE; LETTER INDICATES FIXTURE TYPE/ID. SEE LIGHT FIXTURE SCHEDULE.
★	LIGHTING SERVICE POINT, REFER TO DETAIL ON SHEET 25-0013.
———	CONDUCTORS IN UNDERGROUND CONDUIT INSTALLED VIA TRENCH AND BACKFILL
= = = = =	CONDUCTORS IN UNDERGROUND CONDUIT INSTALLED VIA DIRECTIONAL BORE
H	IN-GRADE HANDHOLE ENCLOSURE, 13"x24"x12" DEEP, QUAZITE OR EQUAL, PG SERIES, TIER 22, STREET LIGHTING LOGO*
○B	BRIDGE PEDESTRIAN POST-TOP LUMINAIRE; LETTER INDICATES FIXTURE TYPE/ID. SEE LIGHT FIXTURE SCHEDULE

ABBREVIATIONS

A	AMPS
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
C	CELSIUS, CONDUIT
CCT	CIRCUIT, CORRELATED COLOR TEMPERATURE
CLR	CLEARANCE
CRI	COLOR RENDERING INDEX
DEG	DEGREES
DIA	DIAMETER
EA	EACH
F	FAHRENHEIT
FT	FEET
G	GROUND, EQUIPMENT GROUNDING CONDUCTOR
HDPE	HIGH-DENSITY POLYETHYLENE
IN	INCH OR INCHES
KVA	KILOVOLT-AMPS
LED	LIGHT-EMITTING DIODES
MIL	1/1000 TH OF AN INCH
NIC	NOT IN CONTRACT
O.C.	ON CENTER
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
STA	STATION
UL	UNDERWRITERS LABORATORIES
SCCR	SHORT CIRCUIT CURRENT RATING
SPD	SURGE PROTECTION DEVICE
V	VOLTS
XFMR	TRANSFORMER

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF:
   A. NFPA 70-2020 (NATIONAL ELECTRICAL CODE)
   B. ANSI C2-2017 (NATIONAL ELECTRICAL SAFETY CODE)
   C. AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 6TH EDITION
   D. APPLICABLE LOCAL CODES AND FEDERAL AND STATE LAWS
   E. GDOT STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2013
   F. GDOT SUPPLEMENTAL SPECIFICATIONS, 2016.

2. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL SAWNEE EMC ENGINEER BEFORE INSTALLING ANY PORTION OF THE ROADWAY LIGHTING. THE CONTRACTOR SHALL LOCATE LIGHTING STANDARDS TO PROVIDE A MINIMUM CLEARANCE OF TEN FEET FROM DISTRIBUTION LINES AND A MINIMUM OF 20 FEET FROM TRANSMISSION LINES. ALL COST ASSOCIATED WITH ENSURING COMPLIANCE WITH THE GEORGIA HIGH VOLTAGE SAFETY ACT, INCLUDING BUT NOT LIMITED TO DE-ENERGIZING OR REROUTING OF POWER LINES, SHALL BE INCLUDED IN THE OVERALL BID PRICE OF THE PROJECT. THE CONTRACTOR SHALL COORDINATE THE WORK AT EACH SERVICE POINT WITH SAWNEE EMC.

3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES--EXISTING AND PROPOSED--PRIOR TO ANY DIGGING. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR. ANY SUCH REPAIRS SHALL BE COMPLETED AT THE SOLE EXPENSE OF THE CONTRACTOR.

4. THE POLES, ARMS, AND LUMINAIRES SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE ARE THE BASIS OF DESIGN. ALTERNATES OF EQUIVALENT CONSTRUCTION AND PHOTOMETRIC PERFORMANCE ARE ACCEPTABLE. THE CONTRACTOR SHALL SUBMIT PHOTOMETRIC DATA AND DESIGN CALCULATIONS FOR PROPOSED SUBSTITUTES TO VERIFY THAT PHOTOMETRIC REQUIREMENTS DESCRIBED BELOW ARE SATISFIED. CALCULATION ZONES SHALL BE CREATED AS DESCRIBED IN IES RP-08-18.

PHOTOMETRIC REQUIREMENTS ARE AS FOLLOWS:

WALKWAYS
LIGHT LOSS FACTOR: 0.8
AVERAGE MAINTAINED ILLUMINANCE: 0.5 FC
MAXIMUM UNIFORMITY RATIO (AVG TO MINIMUM ILLUMINANCE): 4:1

5. THE CONTRACTOR SHALL PROVIDE ALL ACCESSORIES NECESSARY TO ENSURE PROPER INSTALLATION AND OPERATION OF THE LIGHTING SYSTEM COMMUNICATED IN THESE PLANS.

6. ALL CONDUIT NOT INSTALLED UNDER A ROADWAY SHALL BE 1-1/4" SCHEDULE 40 PVC OR HDPE CONFORMING TO ASTM F2160-16.

7. ALL CONDUIT INSTALLED UNDER A ROADWAY SHALL BE 1-1/4" HDPE CONFORMING TO ASTM F2160-16.

8. ALL CONDUIT INSTALLED UNDER AN EXISTING ROADWAY, DRIVE OR ANY PAVED SURFACE SHALL BE INSTALLED VIA DIRECTIONAL BORE AND SHALL BE HDPE CONFORMING TO ASTM F2160-16.

9. UNLESS INDICATED OTHERWISE, EXPOSED CONDUIT SHALL BE HOT-DIP GALVANIZED RIGID STEEL.

10. ALL CONDUCTORS SHALL BE COPPER.

11. UNLESS INDICATED OTHERWISE, CONDUCTORS SERVING LIGHTING CIRCUITS SHALL BE 2#10 AWG AND 1#10G. CONDUCTOR INSULATION SHALL BE TYPE RHH/RHW 90/75°C. WHERE ALTERNATIVE WIRE AND CONDUIT SIZES ARE INDICATED ON PLANS, THE INDICATED SIZES APPLY ONLY TO THE NOTED SEGMENT (I.E. FIXTURE TO FIXTURE OR FIXTURE TO SERVICE POINT).

12. ALL FUSES SHALL BE IN-LINE TYPE AND WATERPROOF.

13. THE CONTRACTOR SHALL PROVIDE A ONE YEAR WRITTEN WARRANTY FOR PARTS AND DEFECTIVE WORKMANSHIP ON THE LUMINARES, POLES, LIGHTING CONTROL PANEL, AND ALL OTHER ELECTRICAL EQUIPMENT.

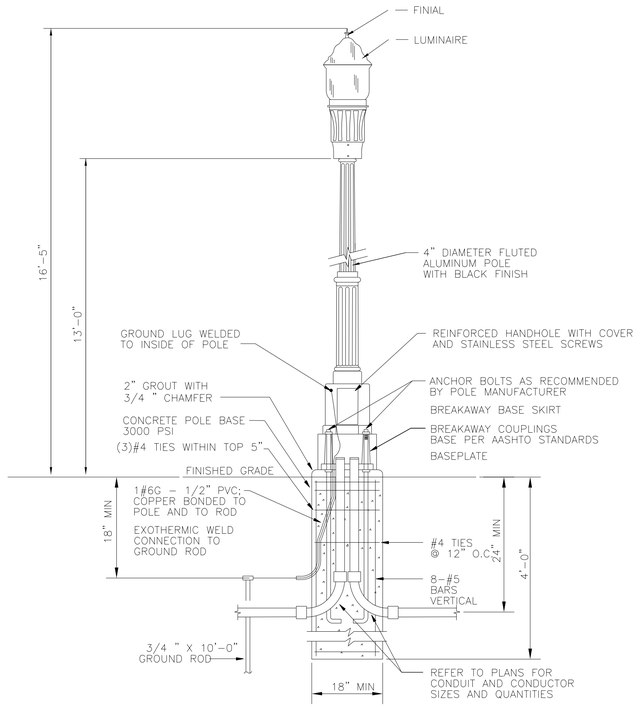
POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
LIGHTING PLANS DETAILS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0009

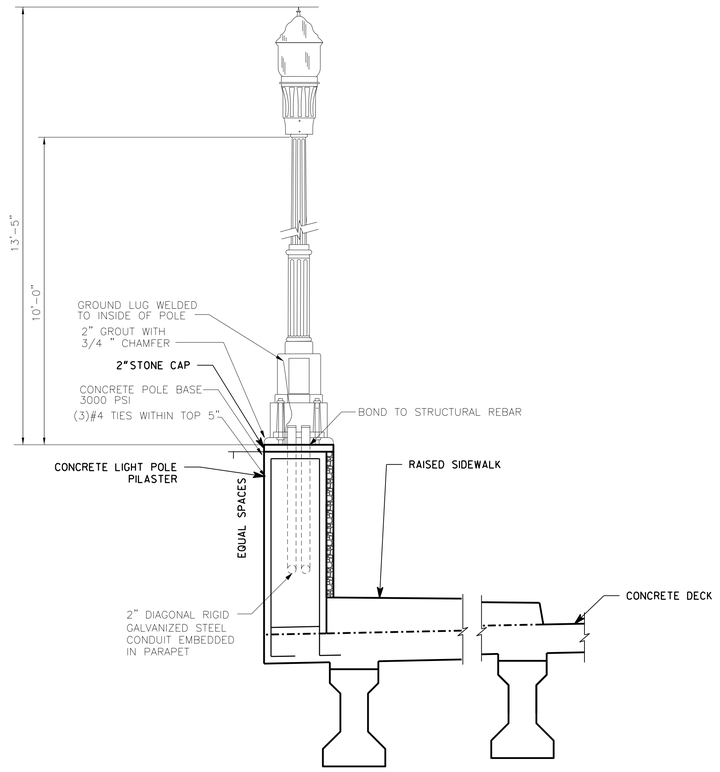


POLE - TYPE A

N.T.S.

TYPE A LUMINAIRE REQUIREMENTS:

1. ACORN STYLE LED LUMINAIRE WITH PRISMATIC ACRYLIC REFRACTOR.
2. ALUMINUM HOUSING WITH BLACK POLYESTER POWDER COATING AND TOOLESS ENTRY.
3. IP55 LUMINAIRE HOUSING.
4. 3000K COLOR TEMPERATURE.
5. COLOR RENDERING INDEX (CRI) = MINIMUM OF 70 CRI.
6. 20KV, 20KA SURGE PROTECTION
7. INPUT VOLTAGE RATING TO MATCH SERVICE VOLTAGE SHOWN ON PLANS.
8. HIGH POWER (>90%) FACTOR LED DRIVER WITH LESS THAN 20% THD AND OPERATING TEMPERATURE RANGE OF -30 DEGREE C TO +40 DEGREE C.
9. IES TYPE 3 DISTRIBUTION TYPE.



POLE - TYPE B

N.T.S.

TYPE B LUMINAIRE REQUIREMENTS:

1. ACORN STYLE LED LUMINAIRE WITH PRISMATIC ACRYLIC REFRACTOR.
2. ALUMINUM HOUSING WITH BLACK POLYESTER POWDER COATING AND TOOLESS ENTRY.
3. IP55 LUMINAIRE HOUSING.
4. 3000K COLOR TEMPERATURE.
5. COLOR RENDERING INDEX (CRI) = MINIMUM OF 70 CRI.
6. 20KV, 20KA SURGE PROTECTION
7. INPUT VOLTAGE RATING TO MATCH SERVICE VOLTAGE SHOWN ON PLANS.
8. HIGH POWER (>90%) FACTOR LED DRIVER WITH LESS THAN 20% THD AND OPERATING TEMPERATURE RANGE OF -30 DEGREE C TO +40 DEGREE C.
9. IES TYPE 3 DISTRIBUTION TYPE.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STITT
7/20/22

REVISION DATES

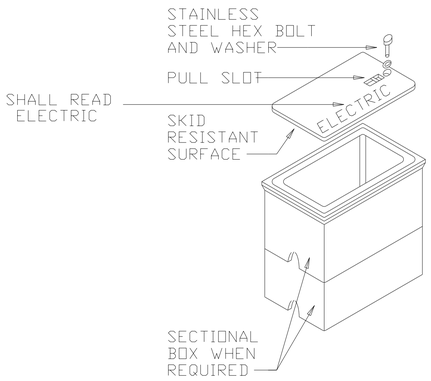
CITY OF ALPHARETTA

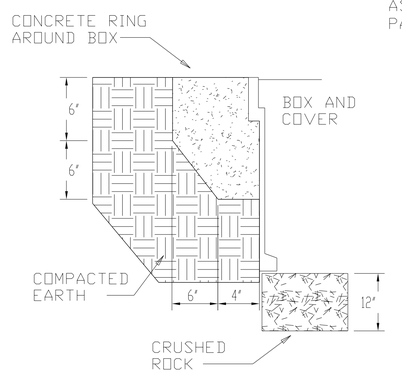
OFFICE: PUBLIC WORKS

LIGHTING PLANS DETAILS

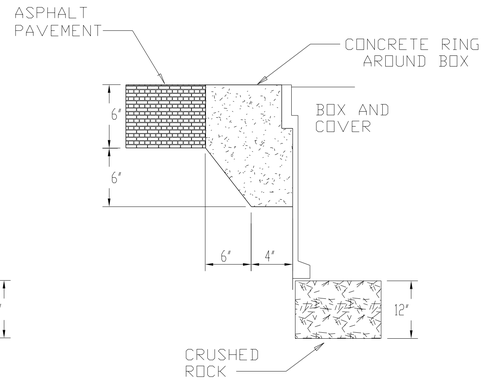
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 25-0010

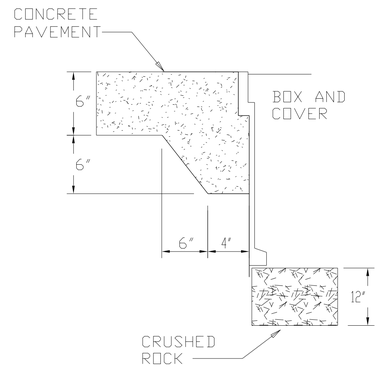




IN EARTH



IN ASPHALT

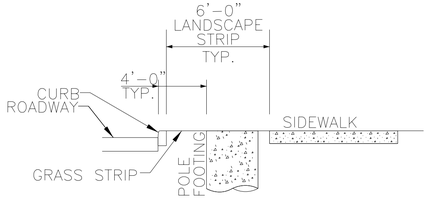


IN CONCRETE

ELECTRICAL HANDHOLE DETAIL
N.T.S

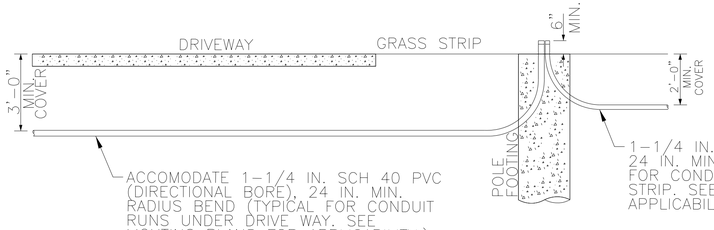
HANDHOLE REQUIREMENTS:

1. HOUSING SHALL BE A POLYMER CONCRETE WITH HEAVY WEAVE FIBERGLASS REINFORCEMENT.
2. PROVIDE STAINLESS STEEL BOLTS AND INSERTS.
3. ANSI/SCTE 77 2013 TIER 22 RATED.
4. SIZE 13" x 24" x 18" DEEP, OPEN BOTTOM, UNLESS OTHERWISE NOTED ON PLANS.
5. CONCRETE ENCASEMENT SHALL BE MINIMUM 3,000 PSI.
6. CONCRETE ENCASEMENT COLLAR DIMENSION, D, SHALL BE EQUAL TO DESIGN PAVEMENT DEPTH.



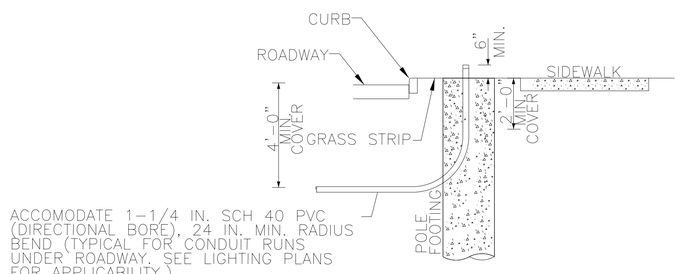
TYPICAL LIGHT POLE FOOTING LOCATION ALONG SIDEWALK
N.T.S.

NOTE: SEE POLE BASE DETAIL ON 25-0010 FOR MORE INFORMATION.



TYPICAL CONDUIT INSTALLATION DETAILS ALONG GRASS STRIP & DRIVEWAY
N.T.S.

NOTE: SEE POLE BASE DETAIL ON 25-0010 FOR MORE INFORMATION.



TYPICAL CONDUIT INSTALLATION DETAILS UNDER ROADWAY
N.T.S.

NOTE: SEE POLE BASE DETAIL ON 25-0010 FOR MORE INFORMATION

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STILL
7/20/22

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

LIGHTING PLANS DETAILS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 25-0011

LUMINAIRE #	LUMINAIRE TYPE	STATION	OFFSET	MOUNTING HEIGHT	ARM LENGTH	MOUNTING ARRANGEMENT
S01	A	112+23.81	30.52' LT	13'-0"	-	SINGLE
S03	A	113+02.66	29.41' LT	13'-0"	-	SINGLE
S04	A	112+85.06	31.78' RT	13'-0"	-	SINGLE
S05	A	113+84.77	27.49' LT	13'-0"	-	SINGLE
S06	A	113+80.74	31.48' RT	13'-0"	-	SINGLE
S07	A	114+42.25	25.40' LT	13'-0"	-	SINGLE
S08	A	114+43.00	31.84' RT	13'-0"	-	SINGLE
S09	A	115+20.50	24.00' LT	13'-0"	-	SINGLE
S10	A	115+36.20	33.12' RT	13'-0"	-	SINGLE
S11	A	115+98.64	23.17' LT	13'-0"	-	SINGLE
S12	A	116+29.35	32.84' RT	13'-0"	-	SINGLE
S13	A	116+78.44	25.51' LT	13'-0"	-	SINGLE
S14	A	116+89.38	32.99' RT	13'-0"	-	SINGLE
S15	A	117+47.01	27.56' LT	13'-0"	-	SINGLE
S16	A	117+48.86	32.86' RT	13'-0"	-	SINGLE
S17	A	119+90.14	29.10' LT	13'-0"	-	SINGLE
S18	A	120+06.13	22.75' RT	13'-0"	-	SINGLE
S19	A	120+69.57	29.61' LT	13'-0"	-	SINGLE
S20	A	120+66.54	22.45' RT	13'-0"	-	SINGLE
S21	A	121+48.92	31.82' LT	13'-0"	-	SINGLE
S22	A	121+56.56	22.33' RT	13'-0"	-	SINGLE
S23	A	122+28.58	31.92' LT	13'-0"	-	SINGLE
S24	A	122+47.65	22.16' RT	13'-0"	-	SINGLE
S25	A	123+08.16	26.47' LT	13'-0"	-	SINGLE
S26	A	123+07.53	22.49' RT	13'-0"	-	SINGLE
S27	A	123+87.55	24.26' LT	13'-0"	-	SINGLE
S28	A	123+97.98	21.94' RT	13'-0"	-	SINGLE
S29	A	124+67.15	23.73' LT	13'-0"	-	SINGLE
S30	A	124+88.50	21.77' RT	13'-0"	-	SINGLE
S31	A	125+46.63	21.78' LT	13'-0"	-	SINGLE
S32	A	125+78.55	22.82' RT	13'-0"	-	SINGLE
S33	A	126+26.66	21.18' LT	13'-0"	-	SINGLE
S34	A	126+38.10	20.88' RT	13'-0"	-	SINGLE
S35	A	127+06.10	21.56' LT	13'-0"	-	SINGLE
S36	A	127+29.60	21.67' RT	13'-0"	-	SINGLE
S37	A	127+78.78	24.10' LT	13'-0"	-	SINGLE
S38	A	127+90.53	22.37' RT	13'-0"	-	SINGLE
S39	A	128+62.50	24.97' LT	13'-0"	-	SINGLE
S40	A	128+82.81	23.09' RT	13'-0"	-	SINGLE
S41	A	129+40.64	24.54' LT	13'-0"	-	SINGLE
S42	A	129+74.30	23.63' RT	13'-0"	-	SINGLE
S43	A	130+27.83	25.71' LT	13'-0"	-	SINGLE
S44	A	130+35.95	23.86' RT	13'-0"	-	SINGLE
S45	A	131+28.07	24.05' RT	13'-0"	-	SINGLE
S46	A	132+18.74	24.08' LT	13'-0"	-	SINGLE
S47	A	132+19.94	21.71' RT	13'-0"	-	SINGLE
S48	A	132+80.11	21.60' LT	13'-0"	-	SINGLE
S49	A	133+32.25	14.53' RT	13'-0"	-	SINGLE
S50	B	133+89.00	24.08' LT	10'-0"	-	SINGLE
S51	B	133+89.00	24.03' RT	10'-0"	-	SINGLE
S52	B	134+73.00	24.07' LT	10'-0"	-	SINGLE
S53	B	134+73.00	24.04' RT	10'-0"	-	SINGLE
S54	B	135+57.00	24.03' LT	10'-0"	-	SINGLE
S55	B	135+57.00	24.07' RT	10'-0"	-	SINGLE
S56	A	136+22.26	29.02' LT	13'-0"	-	SINGLE
S57	A	136+21.73	28.22' RT	13'-0"	-	SINGLE
S58	A	137+00.41	14.50' LT	13'-0"	-	SINGLE
S59	A	137+00.49	14.30' RT	13'-0"	-	SINGLE
S60	A	137+69.15	14.42' LT	13'-0"	-	SINGLE
S61	A	137+75.53	14.26' RT	13'-0"	-	SINGLE
S62	A	138+60.84	14.08' LT	13'-0"	-	SINGLE
S63	A	138+60.00	13.30' RT	13'-0"	-	SINGLE
S64	A	139+41.13	14.50' LT	13'-0"	-	SINGLE
S65	A	139+39.78	14.20' RT	13'-0"	-	SINGLE
S66	A	140+30.66	14.23' LT	13'-0"	-	SINGLE
S67	A	140+31.34	14.30' RT	13'-0"	-	SINGLE
S68	A	140+99.45	14.39' LT	13'-0"	-	SINGLE
S69	A	140+99.52	14.30' RT	13'-0"	-	SINGLE
S70	A	141+79.38	14.35' LT	13'-0"	-	SINGLE
S71	A	141+79.72	14.30' RT	13'-0"	-	SINGLE
S72	A	142+60.27	14.37' LT	13'-0"	-	SINGLE
S73	A	142+61.18	14.13' RT	13'-0"	-	SINGLE
S74	A	143+40.10	14.37' LT	13'-0"	-	SINGLE
S75	A	143+40.23	14.30' RT	13'-0"	-	SINGLE
S76	A	144+19.75	14.39' LT	13'-0"	-	SINGLE
S77	A	144+20.46	14.41' RT	13'-0"	-	SINGLE
S78	A	118+35.01	26.76' LT	13'-0"	-	SINGLE
S79	A	118+14.33	59.36' RT	13'-0"	-	SINGLE
S80	A	118+97.68	30.47' LT	13'-0"	-	SINGLE
S81	A	119+32.06	61.32' RT	13'-0"	-	SINGLE
S82	A	144+92.39	14.33' LT	13'-0"	-	SINGLE
S83	A	145+88.71	14.29' LT	13'-0"	-	SINGLE

NOTES:
1 - SEE LIGHTING FIXTURE SCHEDULE FOR LUMINAIRE TYPE BASIS OF DESIGN.
2 - SEE LIGHTING LAYOUT AND ONE-LINE DIAGRAM FOR CIRCUIT ASSIGNMENTS.

LIGHTING FIXTURE SCHEDULE

ID	MODEL	VOLTAGE	WATTS	LAMP	DESCRIPTION
A	LUMEC # S55C2-007 -55W32LED3K-011-G3-GL-LE3-UNV-DMG-SFOK-FN11-[RCD7-003]-BKTX (FIXTURE); LUMEC #R80F-14-[GDOT-001]-BKTX (POLE)	240	55	4867-LUMEN LED, TYPE 3 DISTRIBUTION, 70+ CRI, 3000K CCT	LUMINAIRE MOUNTED POST-TOP; FIXTURE MOUNTING HEIGHT 13'-0" AFG.
B	LUMEC # S55C2-007 -55W32LED3K-011-G3-GL-LE3-UNV-DMG-SFOK-FN11-[RCD7-003]-BKTX (FIXTURE); LUMEC #R80F-10-[GDOT-001]-BKTX (POLE)	240	55	4867-LUMEN LED, TYPE 3 DISTRIBUTION, 70+ CRI, 3000K, CCT	LUMINAIRE MOUNTED POST-TOP; FIXTURE MOUNTING HEIGHT 10' AFG

NOTES:

1. LIGHT FIXTURES MOUNTED AT 20' ABOVE GRADE ARE LOCATED WITHIN A GEORIGA POWER EASEMENT. THESE POLES AND FIXTURES SHALL BE PROVIDDED, INSTALLED, AND MAINTAINED BY GEORGIA POWER PERSONNEL. CONSTRACTOR SHALL PROVIDE CONDUIT AND CONDUCTORS TO HANDHOLE ENCLOSURE AT EACH OF THESE LOCATIONS (3); TERMINTATIONS TO THESE FIXTURES SHALL BE MADE BY GEORGIA POWER.

2. POLE AND FIXTURE TYPES LISTED ARE DESIGN BASIS. SEE ELECTRICAL GENERAL NOTE #4 ON SHEET 25-0009.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	ITEM DESCRIPTION	UNITS	ITEM TOTALS
680-4100	LIGHTING STD, 0 - 10 FT MH, POST TOP	EA	6
680-4110	LIGHTING STD, 11-15 FT MH, POST TOP	EA	76
680-6130	LUMINAIRE, TP 3, LED	EA	82
682-1504	CABLE, TP RHH/RHW, AWG NO 10	LF	19500
682-2110	ELECTRICAL SERVICE POINT	EA	3
682-6221	CONDUIT, NONMETL, TP 2, 1 1/2 IN	LF	6500
682-9950	DIRECTIONAL BORE - 3 IN	LF	1865

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

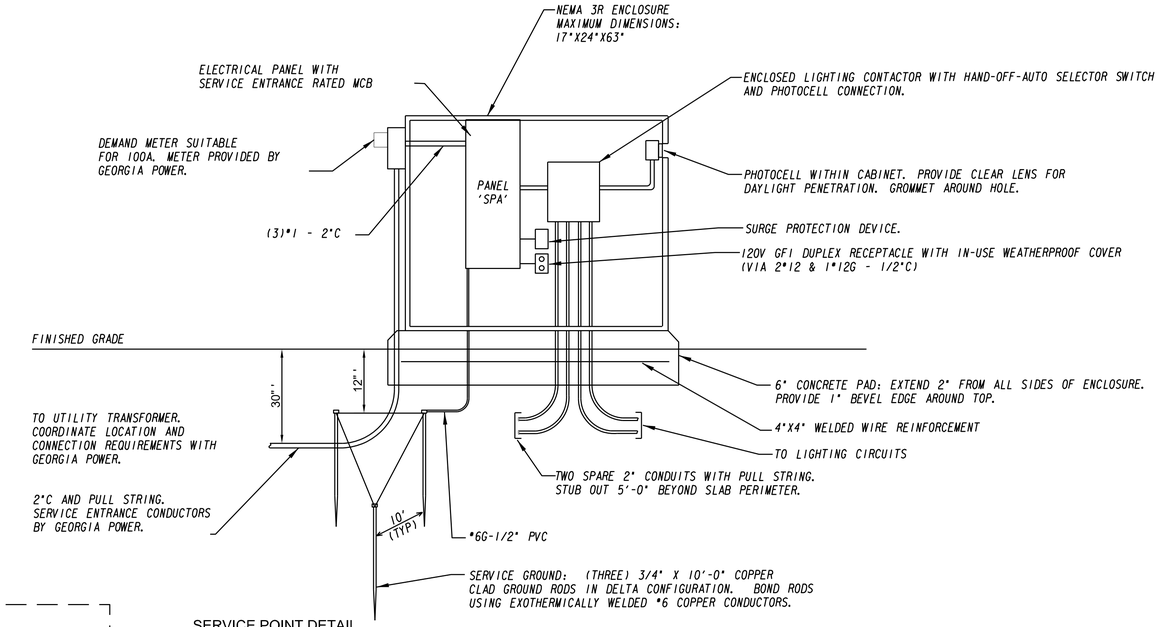
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LIGHTING PLANS SCHEDULES

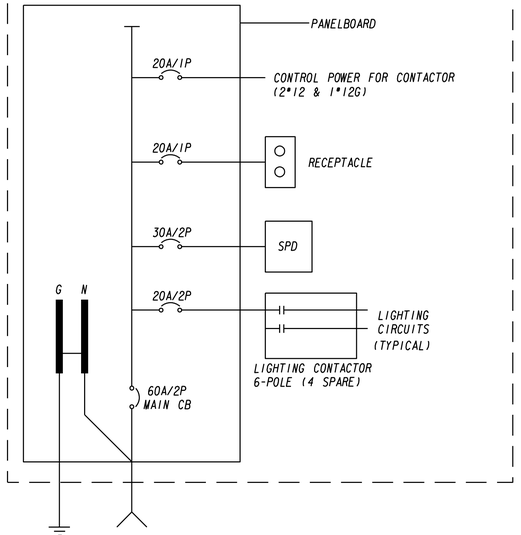
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0012

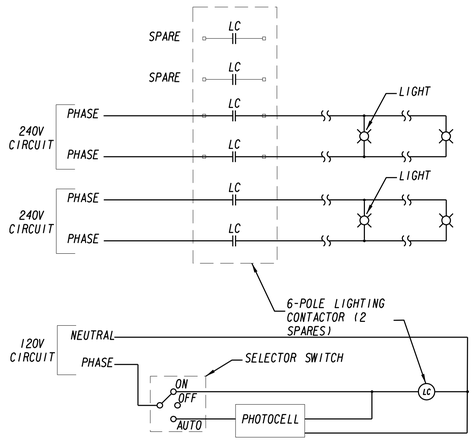


SERVICE POINT DETAIL

NOT TO SCALE



SERVICE POINT WIRING DIAGRAM



LIGHTING CONTROL DIAGRAM (PER SERVICE POINT)

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STILL 7/20/22

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

LIGHTING PLANS DETAILS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 25-0013

SERVICE POINT SP2 PANELBOARD SCHEDULE

STATION: 132+06.77
OFFSET: 45.10' LT
SUPPLY FROM: UTILITY GA POWER

MAINS: 60A MCB
VOLTAGE: 240/120V
PHASES: 1
WIRES: 3

MINIMUM SCCR: 22,000A

CONNECTED LOAD KVA

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	PHASE A	PHASE B	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	PEDESTRIAN LIGHTING	20A	2	0.486	0.486	2	20A	PEDESTRIAN LIGHTING	2
3		-	-		0.486	0.486	-	-		4
5	DUPLEX RECEPTACLE	20A	1	0.18	0.18	1	20A	LIGHTING CONTROLS	6
7	SPARE	20A	1		-	-	-	-	SPACE	8
9	SPARE	20A	1	-	-	2	30A	SURGE PROTECTION DEVICE	10
11	SPACE	-	-		-	-	-	-		12
			TOTAL PHASE KVA		1.332	0.972				

PANEL AMPS: 9.6

NOTES:

SERVICE POINT SP3 PANELBOARD SCHEDULE

STATION: 142+13.99
OFFSET: 29.84' LT
SUPPLY FROM: UTILITY GA POWER

MAINS: 60A MCB
VOLTAGE: 240/120V
PHASES: 1
WIRES: 3

MINIMUM SCCR: 22,000A

CONNECTED LOAD KVA

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	PHASE A	PHASE B	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	PEDESTRIAN LIGHTING	20A	2	0.378	0.351	2	20A	PEDESTRIAN LIGHTING	2
3		-	-		0.378	0.378	-	-		4
5	DUPLEX RECEPTACLE	20A	1	0.18	0.18	1	20A	LIGHTING CONTROLS	6
7	SPARE	20A	1		-	-	-	-	SPACE	8
9	SPARE	20A	1	-	-	2	30A	SURGE PROTECTION DEVICE	10
11	SPACE	-	-		-	-	-	-		12
			TOTAL PHASE KVA		1.089	0.729				

PANEL AMPS: 7.6

NOTES:

SERVICE POINT SP1 PANELBOARD SCHEDULE

STATION: 119+96.21
OFFSET: 119+96.21'LT
SUPPLY FROM: UTILITY GA POWER

MAINS: 60A MCB
VOLTAGE: 240/120V
PHASES: 1
WIRES: 3

MINIMUM SCCR: 22,000A

CONNECTED LOAD KVA

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	PHASE A	PHASE B	POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	PEDESTRIAN LIGHTING	20A	2	0.675	0.648	2	20A	PEDESTRIAN LIGHTING	2
3		-	-		0.675	0.648	-	-		4
5	DUPLEX RECEPTACLE	20A	1	0.18	0.18	1	20A	LIGHTING CONTROLS	6
7	SPARE	20A	1		-	-	-	-	SPACE	8
9	SPARE	20A	1	-	-	2	30A	SURGE PROTECTION DEVICE	10
11	SPACE	-	-		-	-	-	-		12
			TOTAL PHASE KVA		1.683	1.323				

PANEL AMPS: 12.5

NOTES:

POND
Architects ■ Engineers ■ Planners

THE CITY OF ALPHARETTA GEORGIA

GEORGIA REGISTERED No. PE037674 PROFESSIONAL ENGINEER JOSEPH M. STITT
7/20/22

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LIGHTING PLANS SCHEDULES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
25-0014

9/16/2022 6:09:34 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-SIGN.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_26-0001.dgn

Curve# 3
PI Sta: 108+07.79
N: 1483026.8213
E: 2268580.1946
DELTA: 06°24'56.8" (LT)
D: 02°43'42.13"
T: 117.70
L: 235.15
R: 2100.00
E: 3.30

JAMES B MALONEY
TAX ID: 22 546012610081
DB 32971, PG 83

PERGAMENT LODI LLC
TAX ID: 22 546012600686
DB 58150, PG 417

ATLANTA RESIDENTIAL LLC
TAX ID: 22 550117802I0
DB 56413, PG 432
PB 404, PG 100

LAND DISTRICT 2
LAND DISTRICT 1

106+00
107+00
108+00
109+00
110+00

5" THERMOPLASTIC SKIP WHITE
(2' SEG 6' GAP) (TYP)

5" THERMOPLASTIC SOLID WHITE
(TYP)

W11-1 (24"X24")
W16-1P (18"X24")

SHARE THE ROAD

STA 110+50.00
OFF 31.00' LT

TYPE 2 ARROW
(TYP)

5" THERMOPLASTIC SOLID DOUBLE YELLOW
W/ TYPE I (YELLOW) RPMS @ 40' SPACING
(TYP)

5" THERMOPLASTIC SKIP WHITE
(2' SEG. 6' GAP)
(TYP)

5" THERMOPLASTIC SKIP WHITE
(10' SEG. 30' GAP) W/ TYPE 3
(CLEAR/RED) RPMS @40' SPACING
(TYP)

TIE TO EXISTING STRIPING
(TYP)

BEGIN PROJECT
MILL AND OVERLAY
STA 108+39.27
N:1483047.1022
E:2268604.6846

N 60°21'
52.8" E

N 59°57'32.4" E

CURVE #3

WEBB BRIDGE ROAD

N 53°32'35.5" E

13.0'
12.0'
11'
11'
4'

MATCH LINE STA. 111+00.00
SEE SHEET 26-0002

EXISTING S4-5 SIGN
ASSEMBLY TO REMAIN
STA 110+84.68
OFF 34.67' RT

EXISTING 'DROP LANE'
ASSEMBLY TO REMAIN
STA 109+70.50
OFF 35.36' RT

BEGIN CONSTRUCTION
MILL AND OVERLAY
STA 109+39.27
N:1483105.0943
E:2268686.1414

5" THERMOPLASTIC SOLID WHITE W/ TYPE 3
(CLEAR/RED) RPMS @
20' SPACING
(TYP)

5" SOLID WHITE (PAINT)
(TYP)

KOKL ENTERPRISE LLC
TAX ID: 22 546012610651
DB 36188, PG 569

RONALD N MAY
TAX ID: 22 551012430C01
DB 9599, PG 74

NEXO HOLDINGS LLC
TAX ID: 22 551012430334
DB 34105, PG 512

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

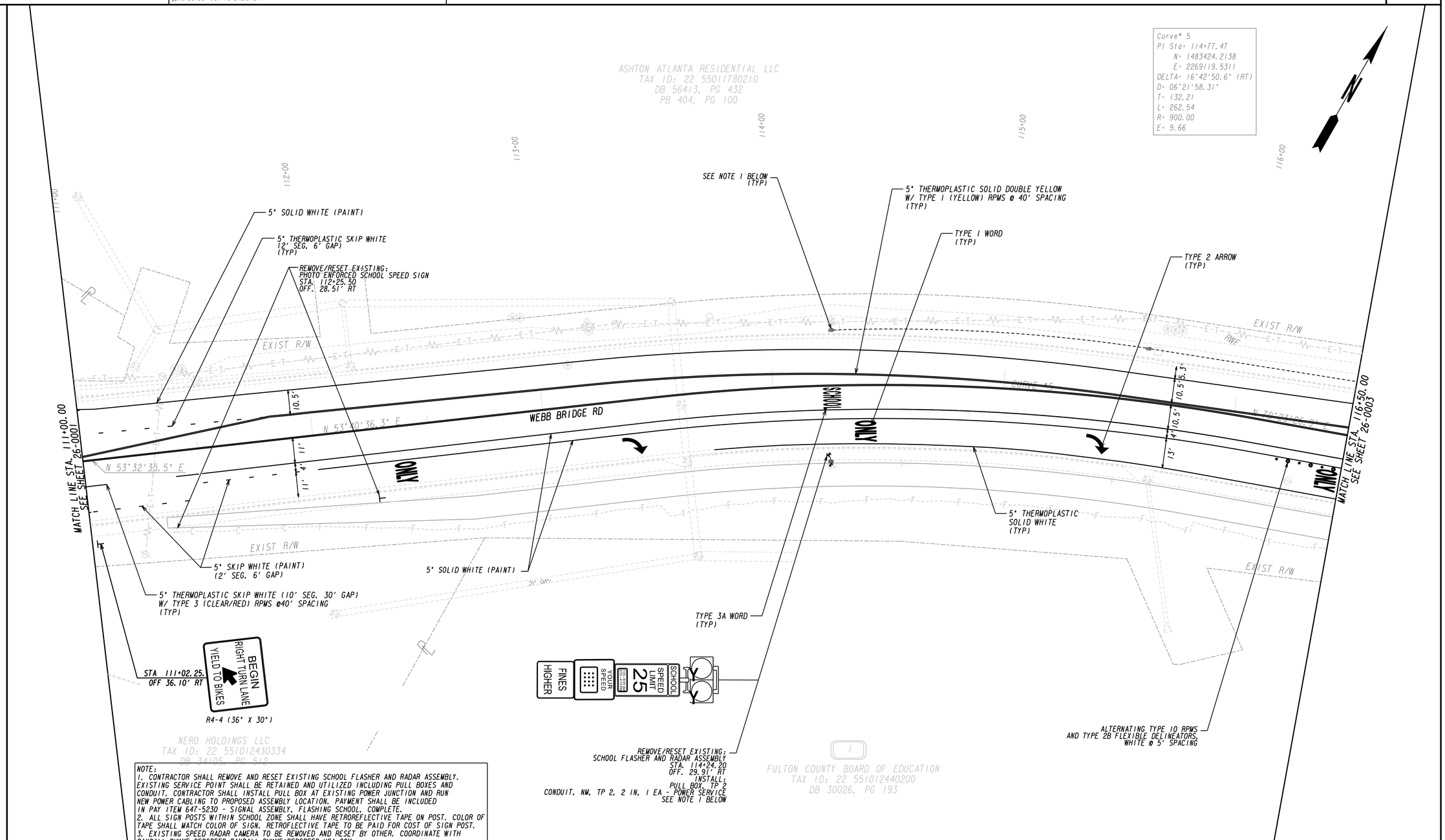
OFFICE: PUBLIC WORKS

SIGNING AND MARKING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
26-0001

9/16/2022 6:09:54 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_26-0002.dgn
USER:LopezA gplotborder-V8I-PO-SIGN.tbl



NOTE:
1. CONTRACTOR SHALL REMOVE AND RESET EXISTING SCHOOL FLASHER AND RADAR ASSEMBLY. EXISTING SERVICE POINT SHALL BE RETAINED AND UTILIZED INCLUDING PULL BOXES AND CONDUIT. CONTRACTOR SHALL INSTALL PULL BOX AT EXISTING POWER JUNCTION AND RUN NEW POWER CABLING TO PROPOSED ASSEMBLY LOCATION. PAYMENT SHALL BE INCLUDED IN PAY ITEM 647-5230 - SIGNAL ASSEMBLY, FLASHING SCHOOL, COMPLETE.
2. ALL SIGN POSTS WITHIN SCHOOL ZONE SHALL HAVE RETROREFLECTIVE TAPE ON POST. COLOR OF TAPE SHALL MATCH COLOR OF SIGN. RETROFLECTIVE TAPE TO BE PAID FOR COST OF SIGN POST.
3. EXISTING SPEED RADAR CAMERA TO BE REMOVED AND RESET BY OTHER. COORDINATE WITH RANDALL RHYME REDSPEED RANDALL.RHYME@REDSPEED-USA.COM

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SIGNING AND MARKING PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
26-0002

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 22 55011780210
DB 56413, PG 432
PB 404, PG 100

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011780707
DB 56716, PG 517
PB 380, PG 33

STA 118+16.69
OFF 34.78' RT
R560-5 (24"X30")

STATE LAW STOP FOR PEDESTRIANS IN CROSSWALK

RETAIN/PROTECT EXISTING:
S1-1/W16-7P SIGN ASSEMBLY

STA 119+68.53
OFF 22.97' RT
R1-2 (36"X36")

YIELD

24" THERMOPLASTIC SOLID WHITE (TYP)

SEE NOTE 1 BELOW (TYP)

TYPE 2 ARROW (TYP)

5" THERMOPLASTIC SOLID WHITE W/ TYPE 3 (CLEAR/RED) RPMS @ 20' SPACING (TYP)

EXIST RADAR CAMERA TO BE REMOVED AND RESET BY OTHERS SEE NOTE 3 BELOW

5" THERMOPLASTIC SKIP WHITE (2' SEG 6' GAP) (TYP)

5" SOLID WHITE (PAINT)

MATCH LINE STA. 116+50.00
SEE SHEET 26-0002

N 70°23'26.9" E

WEBB BRIDGE RD

MATCH LINE STA. 122+00.00
SEE SHEET 26-0004

SCHOOL DRWY

5" SKIP WHITE (PAINT)
(2' SEG. 6' GAP)

5" THERMOPLASTIC SOLID WHITE (TYP)

REQ'D 63 SY THERMOPLASTIC STRIPING, WHITE DETAIL 'A'

8" THERMOPLASTIC SOLID WHITE GDOT DETAIL T-11A (TYP)

5" SOLID WHITE (PAINT)

ALTERNATING TYPE 10 RPMS AND TYPE 2B FLEXIBLE DELINEATORS, CLEAR/RED @ 5' SPACING

STA 118+43.46
OFF 59.13' RT
R1-2 (36"X36")

YIELD

TYPE 4 SYMBOL, BICYCLE (PAINT) (TYP)

REQ'D 68 SY THERMOPLASTIC STRIPING, WHITE DETAIL 'A'

STA 119+16.45
OFF 78.57' RT
R560-5 (24"X30")

STATE LAW STOP FOR PEDESTRIANS IN CROSSWALK

5" THERMOPLASTIC SOLID WHITE

5" THERMOPLASTIC SOLID DOUBLE YELLOW W/ TYPE I (YELLOW) RPMS @ 40' SPACING (TYP)

ALPHARETTA HIGH SCHOOL CROSS COUNTRY TRAIL

EXIST RADAR CAMERA TO BE REMOVED AND RESET BY OTHERS SEE NOTE 3 BELOW

5" THERMOPLASTIC SOLID DOUBLE YELLOW W/ TYPE I (YELLOW) RPMS @ 40' SPACING (TYP)

STA 119+12.50
OFF 21.08' RT

W16-7P (24"X12")
S1-1 (36"X36")

5" SOLID WHITE (PAINT)

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

NOTE:
1. EXISTING SERVICE POINT SHALL BE RETAINED AND UTILIZED INCLUDING PULL BOXES AND CONDUIT.
2. ALL SIGN POSTS WITHIN SCHOOL ZONE SHALL HAVE RETROREFLECTIVE TAPE ON POST. COLOR OF TAPE SHALL MATCH COLOR OF SIGN. RETROFLECTIVE TAPE TO BE PAID FOR COST OF SIGN POST.
3. EXISTING SPEED RADAR CAMERA TO BE RESOLVED AND RESET BY OTHER. COORDINATE WITH RANDALL RHYME REDSPEED RANDALL.RHYME@REDSPEED-USA.COM

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

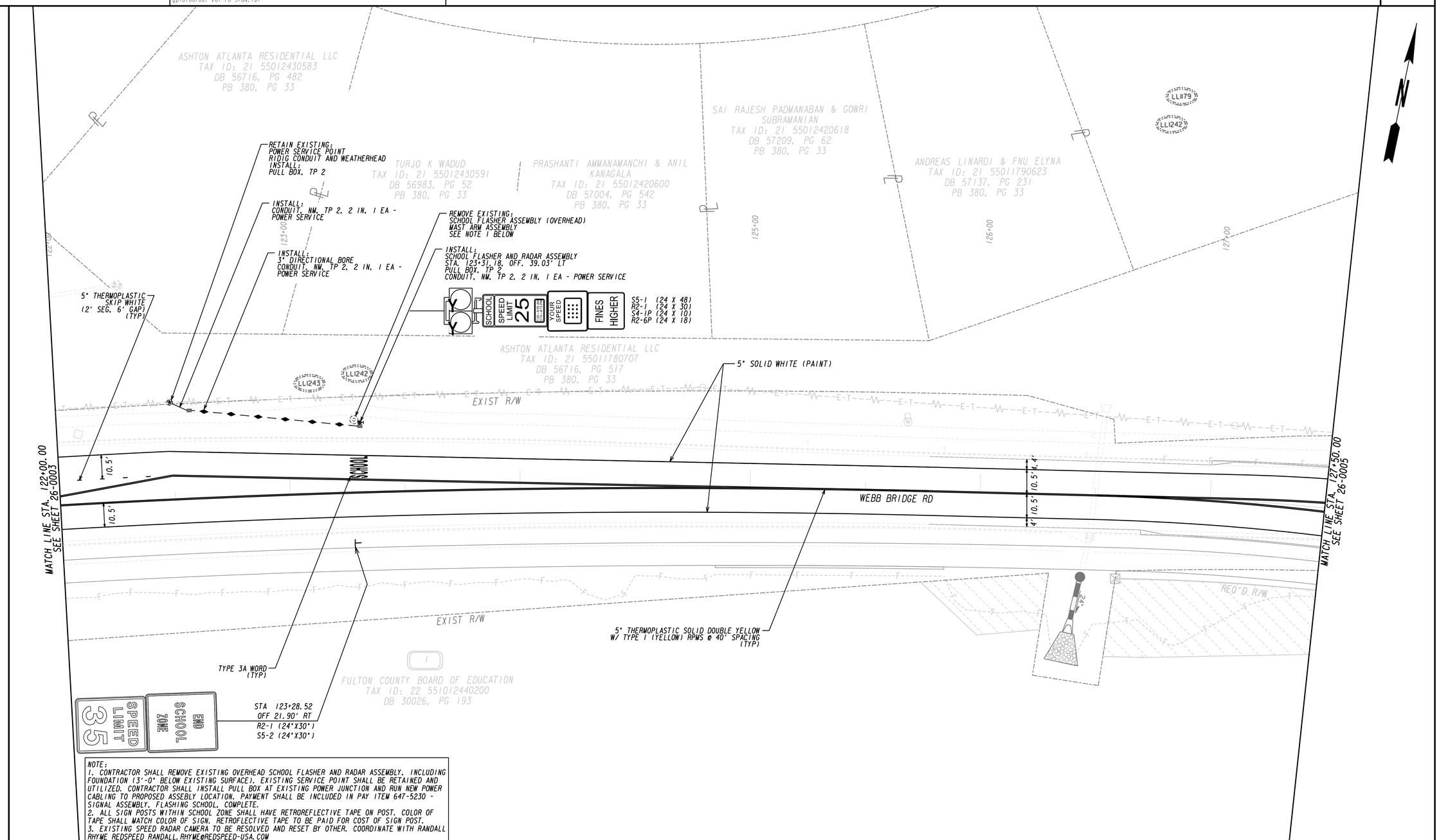
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

SIGNING AND MARKING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
26-0003

9/16/2022 6:10:39 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_26-0004.dgn
USER:LopezA gplotborder-V8I-PO-SIGN.tbl



NOTE:
1. CONTRACTOR SHALL REMOVE EXISTING OVERHEAD SCHOOL FLASHER AND RADAR ASSEMBLY, INCLUDING FOUNDATION (3'-0" BELOW EXISTING SURFACE). EXISTING SERVICE POINT SHALL BE RETAINED AND UTILIZED. CONTRACTOR SHALL INSTALL PULL BOX AT EXISTING POWER JUNCTION AND RUN NEW POWER CABLING TO PROPOSED ASSEBLY LOCATION. PAYMENT SHALL BE INCLUDED IN PAY ITEM 647-5230 - SIGNAL ASSEMBLY, FLASHING SCHOOL, COMPLETE.
2. ALL SIGN POSTS WITHIN SCHOOL ZONE SHALL HAVE RETROREFLECTIVE TAPE ON POST. COLOR OF TAPE SHALL MATCH COLOR OF SIGN. RETROFLECTIVE TAPE TO BE PAID FOR COST OF SIGN POST.
3. EXISTING SPEED RADAR CAMERA TO BE RESOLVED AND RESET BY OTHER. COORDINATE WITH RANDALL RHYME REDSPEED RANDALL.RHYME@REDSPEED-USA.COM

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SIGNING AND MARKING PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
26-0004

9/16/2022 6:10:58 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-SIGN.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_26-0005.dgn

Curve# 7
PI Sta= 129+76.38
N= 1483806.9397
E= 2270567.2763
DELTA= 33°47'57.6" (RT)
D= 05°43'46.48"
T= 303.82
L= 589.91
R= 1000.00
E= 45.13

24" THERMOPLASTIC SOLID WHITE (TYP)

REMOVE AND RESET R1-1/D3-1 DECORATIVE SIGN ASSEMBLY STA 131+12.32 OFF 45.34' LT SEE NOTES 1 AND 2 BELOW

131+31.10 87.63' LT

5" THERMOPLASTIC SOLID YELLOW (TYP)

TYPE 4 SYMBOL, BICYCLE (PAINT) (TYP)

5" THERMOPLASTIC SOLID WHITE (TYP)

17.5'

17'

5" SOLID WHITE (PAINT)

5" SOLID WHITE (PAINT)

EXIST R/W

WEBB BRIDGE RD

10.5'

10.5'

10.5'

10.5'

132+94.67 16.30' LT

MATCH LINE STA. 127+50.00 SEE SHEET 26-0004

MATCH LINE STA. 133+00.00 SEE SHEET 26-0006

REQ'D R/W

5" SKIP WHITE (PAINT) (2' SEG. 6' GAP)

TYPE 2 ARROW (TYP)

8" THERMOPLASTIC SOLID WHITE GDOT DETAIL T-11A (TYP)

5" SKIP WHITE (PAINT) (2' SEG. 6' GAP)

ACCESS R/W MARKER

5" THERMOPLASTIC SKIP WHITE (2' SEG. 6' GAP)

5" THERMOPLASTIC SOLID WHITE W/ TYPE 3 (CLEAR/RED) RPMS @ 20' SPACING (TYP)

5" THERMOPLASTIC SOLID DOUBLE YELLOW W/ TYPE 1 (YELLOW) RPMS @ 40' SPACING (TYP)

NOTE:
1. ALL EXISTING DECORATIVE SIGN ASSEMBLIES (ADJACENT TO RESIDENTIAL NEIGHBORHOOD COMMUNITY) SHALL BE RETAINED AND RESET, AS SHOWN ON PLANS. CONTRACTOR SHALL ENSURE THAT A NEW FOUNDATION IS INSTALLED TO MATCH THE EXISTING CONDITION. PAYMENT SHALL BE INCLUDED IN PAY ITEM 611-5551 - RESET SIGN.
2. CONTRACTOR SHALL ENSURE THAT A NEW SIGN ASSEMBLY ADJACENT TO RESIDENTIAL NEIGHBORHOOD COMMUNITY (HOME OWNERS ASSOCIATION) SHALL BE INSTALLED ON SIMILAR DECORATIVE POST TO MATCH SURROUNDING SIGNS. THIS INCLUDES DECORATIVE POLE AND BASE, HOUSING FRAME, AND BLACK SHEETING ON BACK OF SIGN SHIELD. PAYMENT SHALL BE INCLUDED IN OVERALL BID PRICE FOR SIGN SHEETING.

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

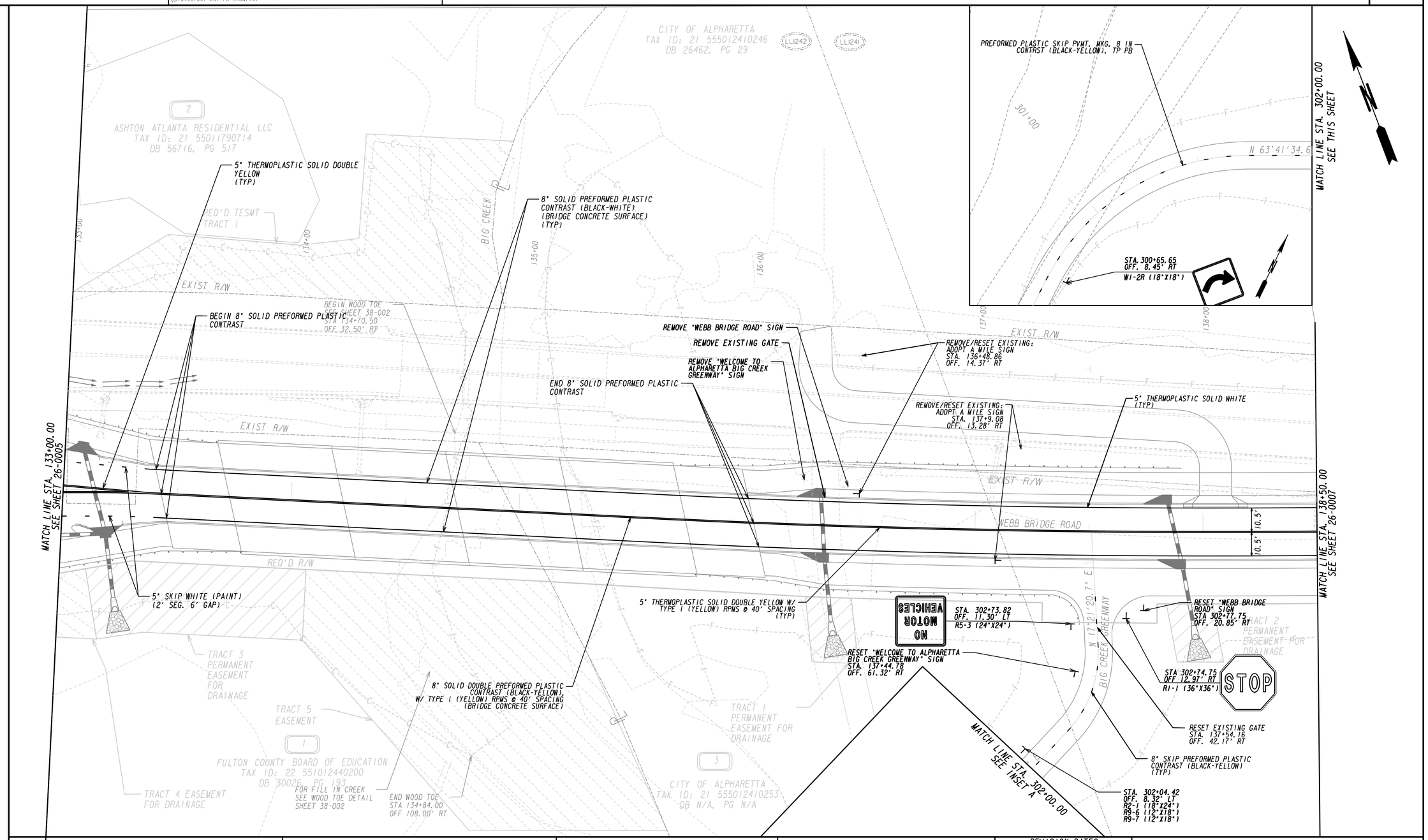
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

SIGNING AND MARKING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
26-0005

9/16/2022 6:11:43 PM | GPLOT-V8 | X:\FY20\1200980\04.CAD\DGN\1200980_26-0006.dgn
USER:LopezA | gplotborder-V8I-PO-SIGN.tbl



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

SIGNING AND MARKING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 26-0006

9/16/2022 6:12:08 PM
USER:LopezA

GPLOT-V8
gplotborder-V8I-PO-SIGN.tbl

X:\FY20\I200980\04.CAD\DGN\I200980_26-0007.dgn

CITY OF ALPHARETTA
TAX ID: 21 555012410246
DB 26462, PG 29

139+00
140+00
141+00
142+00
143+00

EXIST R/W

END RECONSTRUCTION
BEGIN WIDENING
BEGIN MILL & OVERLAY
STA. 140+89.82

EXIST R/W
EXIST R/W
WEBB BRIDGE ROAD
EXIST R/W

10.5'
10.5'

MATCH LINE STA. 138+50.00
SEE SHEET 26-0006

MATCH LINE STA. 144+00.00
SEE SHEET 26-0008

TRACT 3 PERMANENT EASEMENT FOR DRAINAGE

REQ'D R/W TRACT 1

TRACT 4 PERMANENT EASEMENT FOR DRAINAGE

TRACT 5 PERMANENT EASEMENT FOR DRAINAGE

TRACT 6 PERMANENT EASEMENT FOR DRAINAGE

END WIDENING
STA 143+73.62

TRACT 7 PERMANENT EASEMENT FOR DRAINAGE

5" THERMOPLASTIC SOLID WHITE (TYP)

5" THERMOPLASTIC SOLID DOUBLE YELLOW W/ TYPE I (YELLOW) RPMS @ 40' SPACING (TYP)

3

CITY OF ALPHARETTA
TAX ID: 21 555012410253
DB N/A, PG N/A

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

SIGNING AND MARKING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
26-0007

9/16/2022 6:13:22 PM
USER:LopezA

GPLOT-V8
gplotborder-V8I-PO-SIGN.tbl

X:\FY20\I200980\04.CAD\DGN\I200980_26-0008.dgn

CITY OF ALPHARETTA
TAX ID: 21 555012410246
DB 26462, PG 29

144+00
145+00
146+00
146+78

EXIST R/W

MATCH LINE STA. 144+00.00
SEE SHEET 26-0007

TIE TO EXISTING STRIPING (TYP)

5" THERMOPLASTIC SOLID WHITE

10.5'
10.5'

EXIST R/W

WEBB BRIDGE ROAD

EXIST R/W

REQ'D R/W
TRACT I

5" THERMOPLASTIC SOLID WHITE (TYP)

5" THERMOPLASTIC SOLID DOUBLE YELLOW W/
TYPE I (YELLOW) RPMS @ 40' SPACING
(TYP)

"TO BE BUILT BY OTHERS"

5" SOLID WHITE PAINT

END CONSTRUCTION
END PROJECT
STA. 146+30.27
N:1483184.979
E:2272117.873

5" THERMOPLASTIC SOLID WHITE

TRACT 7
PERMANENT
EASEMENT FOR
DRAINAGE

3

CITY OF ALPHARETTA
TAX ID: 21 555012410253
DB N/A, PG N/A

END MILL & OVERLAY
TIE TO PROPOSED
BY OTHERS
STA. 145+94.00
N: 1483176.9267
E: 2272135.8795

WEBB BRIDGE HOLDINGS LLC
TAX ID: 21 555012410196
DB 48820, PG 324

WEBB BRIDGE HOLDINGS LLC
TAX ID: 21 555012410295
DB 44258, PG 389

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

SIGNING AND MARKING PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
26-0008

EXISTING UTILITIES

- EXISTING GUY WIRE
- EX.OH ELECTRIC
- EX POWER POLE
- EX TRANSFORMER (E)
- EX.UG ELECTRIC (-------E------)
- EX GAS LINE (-------G------)
- EX GAS METER (G)
- EX GAS VALVE (G)
- EX WATER LINE (-------W------)
- EX FIRE HYDRANT (FH)
- EX WATER METER (WM)
- EX WATER VALVE (WV)
- EX SANITARY SEWER (------>SS-----)
- EX SS MANHOLE (SS)
- EX TELEPHONE MH (T)
- EX OH TELEPHONE (---T---)
- EX TELEPHONE POLE
- EX UG TELEPHONE (-------T------)
- EX OH CABLE TV (---TV---)
- EX UG CABLE TV (-------TV-----)
- EX STORM DRAIN (==========)
- EX CATCH BASIN
- EX DROP INLET
- EX SD MANHOLE (SD)

EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 5 SECTION HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX,TP 1
- PULLBOX,TP 2
- PULLBOX,TP 4
- PULLBOX,TP 5
- 6x6 CALL LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPOSED SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 3 SECTION HEAD W/ BACKPLATE
- 4 SECTION HEAD
- 4 SECTION HEAD W/ BACKPLATE
- 5 SECTION HEAD
- 5 SECTION HEAD W/ BACKPLATE
- OVERHEAD STREET NAME SIGN
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX,TP 2
- PULLBOX,TP 3
- PULLBOX,TP 4
- PULLBOX,TP 6
- PULLBOX,TP 7
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT (BORED)
- CONDUIT (TRENCHED)
- RAILROAD CONTROLLER
- SIGN POST
- ELECTRICAL SERVICE POINT
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE
- VIRTUAL DETECTION ZONE (RADAR,VIDEO,ETC.)

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

SIGNAL PLANS

LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 27-0001

TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.

2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONATALLY BETWEEN CENTERS OF SIGNAL FACES.

3. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPERATE LEAD-INS TO THE CONTROLLER CABINET.

4. THE CONTRACTOR SHALL LOCATE UNDERGROUND AND OVERHEAD UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS (UP TO 5 FEET, MAXIMUM) IN LOCATION OF NEW SIGNAL POLES ARE ACCEPTABLE TO AVOID UNDERGROUND AND OVERHEAD UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS.

5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN EXISTING VEHICLE DETECTION AND BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATION(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE. PAYMENT SHALL BE INCLUDED IN PAY ITEM 647-1000 TRAFFIC SIGNAL INSTALLATION, FOR EACH INTERSECTION.

6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

7. INSTALLATION OF TRAFFIC SIGNAL AT ALL INTERSECTIONS ARE TO BE CHECKED AND ACCEPTED BY THE CITY OF ALPHARETTA TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.

8. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE CITY OF ALPHARETTA. CONTACT THE DEPARTMENT OF PUBLIC WORKS AT (678) 297-6200.

9. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.

10. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN GDOT SPECIFICATIONS.

11. THE INSTALLATIONS SHALL BE CAPABLE OF MONITORING OVER IP NETWORKS FROM EXISTING CENTRAL COMPUTERS. CENTRAL COMPUTERS ARE LOCATED AT 1790 HEMBREE RD, ALPHARETTA, GEORGIA 30009 NETWORK ABILITIES DEMONSTRATION IS REQUIRED AT CENTRAL SITES PRIOR TO FINAL ACCEPTANCE.

12. ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.

13. SAWCUTS AND REMOVAL OF ALL CONCRETE ASSOCIATED WITH CURB CUT RAMPS SHALL BE INCLUDED IN THE SIDEWALK PAY ITEM.

14. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE CITY ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GAURDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED DUE TO CONTRACTOR'S ACTIVITIES.

15. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNALS, DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE THE COST, AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION. IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.

16. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORALLY COMPLETED A TEST PERIOD, 30 DAYS, OF UNINTERRUPTED OPERATION. THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO THE CITY OF ALPHARETTA (THE MAINTAINING AGENCY).

17. THE REMOVAL OF EXISTING SIGNAL EQUIPMENT SHALL BE INCLUDED IN THE LUMP SUM INSTALLATION PRICE FOR THE ASSOCIATED INTERSECTION (647-10000 - TRAFFIC SIGNAL INSTALLATION NO. X), UNLESS NOTED OTHERWISE ON PLANS.

18. TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND ALL ASSOCIATED HARDWARE SHALL BE BLACK IN COLOR.

19. ALL STRAIN POLES, MAST ARMS, AND PEDESTRIAN PEDESTAL POLES SHALL HAVE A BLACK POWDER-COAT FINISH. ALL MAST ARM ASSEMBLIES SHALL CONSIST OF THE FOLLOWING DESIGN FEATURES:
    MAST ARM ASSEMBLIES SHALL INCLUDE A 10'-0" UPRIGHT EXTENSION FOR CCTV MOUNTING.
    MAST ARM ASSEMBLIES SHALL INCLUDE THE FOLLOWING DECORATIVE POLE BASE:
    MANUFACTURER - VALMONT; MODEL - STERLING ST-31AB
    MAST ARM ARM TUBE SHALL BE AN ARCHED DESIGN WITH A 5'-0" RISE.

20. THE CITY OF ALPHARETTA PREFERS THE FOLLOWING EQUIPMENT/MANUFACTURERS:
    CONTROLLERS: INTELIGHT
    CPU: MAXTIME
    DC ISOLATORS: EDI
    SIGNAL HEADS: EAGLE (WITH BACK PLATES AND Y/G REFLECTIVE 2" BORDER)

21. ALL SIDEWALK IMPACTED DURING CONSTRUCTION SHALL BE REPLACED ENTIRELY BETWEEN CONTROL/EXPANSION JOINTS TO ENSURE FULL REPLACEMENT OF THE AFFECTED SLAB(S).

22. ALL PULL BOXES INSTALLED WITHIN SIDEWALK SHALL BE COMPLETELY FLUSH WITH THE FINISHED SURFACE OF SIDEWALK.

23. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING PROPOSED CONDUIT ROUTING (I.E. DIRECTIONAL BORE OR OPEN TRENCH) DOES NOT CONFLICT WITH PROPOSED DRAINAGE AND/OR OTHER UTILITIES. DEPTH SHALL BE CONFIRMED PRIOR TO DIRECTIONAL BORING.

GEORGIA811
www.Georgia811.com
Know what's below.
Call before you dig.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

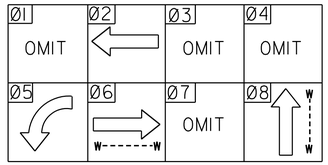
SIGNAL PLANS

GENERAL NOTES

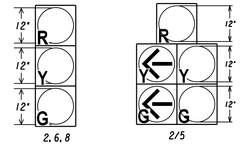
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 27-0002

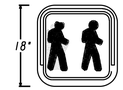
PHASING DIAGRAM

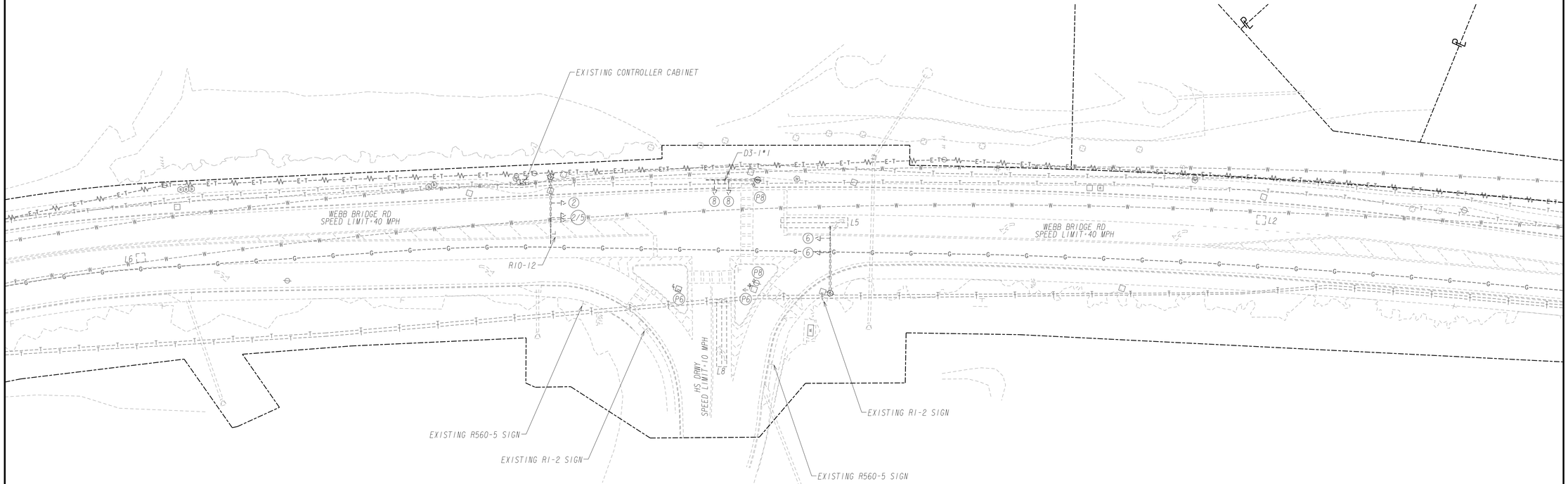


EXISTING LED SIGNAL HEADS W/OUT BACK PLATES

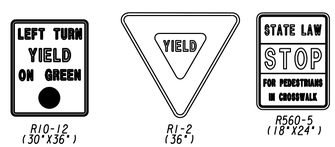


EXISTING PEDESTRIAN LED SIGNAL HEADS



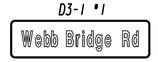


EXISTING REGULATORY SIGNS



EXISTING OVERHEAD STREET NAME SIGNS

D3-1 *1



EXISTING PEDESTRIAN SIGNS



SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 30 60 120

REVISION DATES

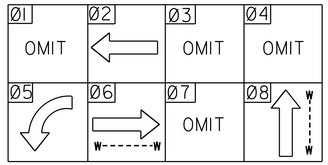
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

SIGNAL PLANS

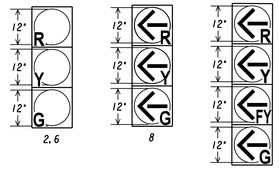
EXISTING CONDITIONS
WEBB BRIDGE RD AT ALPHARETTA HS DRWY

DRAWING No.
27-0003

PHASING DIAGRAM



LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACK PLATE

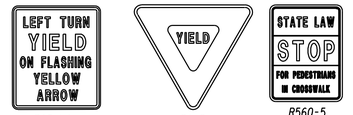


PEDESTRIAN LED SIGNAL HEADS WITH COUNTDOWN



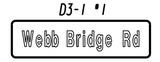
NOTES:
1. EXISTING SIGNAL EQUIPMENT TO BE REMOVED SHALL CONSIST OF MAST ARM ASSEMBLIES, SIGNAL HEADS, PEDESTRIAN FACILITIES (PED POLES, SIGNAL HEADS, AND PUSH BUTTONS), AND OVERHEAD SIGNS. EXISTING CONDUIT RUNS AND PULL BOXES SHALL BE ABANDONED IN PLACE. FOUNDATIONS SHALL BE REMOVED TO 3'-0" BELOW EXISTING SURFACE. PAYMENT SHALL BE INCLUDED IN PAY ITEM 647-1000 TRAFFIC SIGNAL INSTALLATION NO. 1.

REGULATORY SIGNS



OVERHEAD STREET NAME SIGNS

D3-1 *1



PEDESTRIAN SIGNS



SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION OR 4-SECTION SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION ZONE
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- PROPOSED MAGNETOMETER
- PROPOSED RADAR

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 30 60 120

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

SIGNAL PLANS

TRAFFIC SIGNAL INSTALLATION NO. 2
WEBB BRIDGE RD AT ALPHARETTA HS DRWY

DRAWING No.
27-0004

LIST OF MATERIALS

LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
CABINET CONTROLLER ASSEMBLIES		
F. SWITCH PACK (LOAD SWITCH)	EA	5
M. AUXILLIARY OUTPUT FILE	EA	1
APPLIED INFORMATION (AI-500-086 SERIES GLANCE PLATFORM) EMERGENCY VEHICLE GPS PRE-EMPTION AND PRIORITY FIELD MONITORING EQUIPMENT*	EA	1
SIGNAL CABLE (14 AWG)		
A. 7 CONDUCTOR, PER 1000 FT	REEL	2
B. 10 CONDUCTOR, PER 1000 FT	REEL	1
3-SECTION, 12" SIGNAL HEAD LED, BLACK HOUSING W/BLACK FRONT, PLASTIC	EA	6
4-SECTION, 12" SIGNAL HEAD LED, BLACK HOUSING W/BLACK FRONT, PLASTIC	EA	1
1-SECTION, 16"X18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP (9" HIGH NUMBER & 12" SYMBOLS)	EA	4
BACKPLATE FOR ONE-WAY, 3 SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK W/ RETROREFLECTIVE STRIP	EA	6
BACKPLATE FOR ONE-WAY, 4 SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK W/ RETROREFLECTIVE STRIP	EA	1
HARDWARE FOR MAST ARM MOUNTING	EA	7
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	2
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	1
10' PEDESTAL POLE & SQUARE BASE (POWDER-COAT BLACK FINISH)	EA	3
PULL BOX, PB-2	EA	9
PULL BOX, PB-3	EA	6
PULL BOX, PB-6	EA	1
LOOP SAW CUT	LF	530
CONDUIT, 1"	LF	90
CONDUIT, 2"	LF	105
R10-5A, LEFT TURN YIELD ON FLASHING YELLOW SIGN	EA	1
MISC. MATL. TO COMPLETE INSTALLATION	LUMP SUM	LUMP SUM

*CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALPHARETTA REGARDING DETAILS OF THE EMERGENCY VEHICLE GPS PREEMPTION UNIT. UNIT MUST BE COMPATIBLE WITH THE APPLIED INFORMATION AI-500-065 SERIES GLANCE PLATFORM) PREEMPTION AND PRIORITY IN-VEHICLE UNIT.

DETECTION SYSTEMS LIST OF MATERIALS

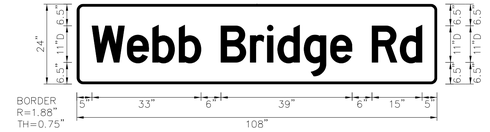
	DESCRIPTION	UNIT	QUANTITY
937-4000	INDUCTANCE LOOP DETECTION SYSTEM NO. 1	LUMP SUM	LUMP SUM
	B. 3-PAIR LOOP LEAD-IN CABLE, PER 1000 FT	EA	1
	C. LOOP DETECTOR, 6 FT X 6 FT, BIPOLE	EA	2
	D. LOOP DETECTOR, 6 FT X 40 FT, QUADRUPOLE	EA	2
937-4100	PEDESTRIAN DETECTION SYSTEM NO. 1	LUMP SUM	LUMP SUM
	B. 3-PAIR LOOP LEAD-IN CABLE, PER 1000 FT	EA	1
	C. PUSH BUTTON STATION ASSEMBLY WITH SIGN TYPE A	EA	4
	D. PUSH BUTTON STATION ADAPTER FOR 4" PEDESTAL POLE	EA	1

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	18
639-3004	STEEL STRAIN POLE, TP IV (W/ 10' UPRIGHT EXTENSION AND W/40 FT MAST ARM); (POWDER-COAT BLACK FINISH)	EA	1
639-3004	STEEL STRAIN POLE, TP IV (W/ 40 FT MAST ARM); (POWDER-COAT BLACK FINISH)	EA	1
639-3004	STEEL STRAIN POLE, TP IV (W/ 45 FT MAST ARM); (POWDER-COAT BLACK FINISH)	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1 - WEBB BRIDGE RD AT HS DRWY	LUMP SUM	LUMP SUM
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	LF	1670
682-9950	DIRECTIONAL BORE - 7 IN	LF	240
937-4000	INDUCTANCE LOOP DETECTION SYSTEM NO. 1	LUMP SUM	LUMP SUM
937-4100	PEDESTRIAN DETECTION SYSTEM NO. 1	LUMP SUM	LUMP SUM

D3-1 OVERHEAD STREET NAME SIGN DETAILS

D3-1 #1



332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14

UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD		2-CH												DC ISO	DC ISO
CHANNEL 1	C1 PIN	56	39	63	47	58	41	65	49	60			80	67	68	81
	FUNCTION		L2												Ø6 PED	FLASH SENSE
	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10				TB8 4,6	TB8 7,9	N/C
CHANNEL 2	C1 PIN	56	43	76	47	58	45	78	49	62			53	69	70	82
	FUNCTION														Ø8 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12				TB8 5,6	TB8 8,9	N/C

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	2-CH	2-CH				2-CH									
CHANNEL 1	C1 PIN	55	40	64	48	57	42	66	50	59			54	71	72	51
	FUNCTION	L5	L6				L8									
	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10				TB9 4,6	TB9 7,9	TB9 10,12
CHANNEL 2	C1 PIN	55	44	77	48	57	46	79	50	61			75	73	74	52
	FUNCTION															
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12				TB9 5,6	TB9 8,9	TB9 11,12

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SIGNAL PLANS
SUMMARY OF QUANTITIES
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 27-0005

ITS LEGEND

- PROPOSED 6 X 20 QUADRUPOLE DETECTOR LOOP
- PROPOSED 6 X 6 DETECTOR LOOP
- EXISTING CCTV CAMERA
- PROPOSED CCTV CAMERA
- EXISTING VIDEO DETECTION SYSTEM CAMERA AND ZONE
- PROPOSED VIDEO DETECTION CAMERA AND ZONE
- EXISTING RADAR DETECTION SYSTEM
- PROPOSED RADAR DETECTION SYSTEM
- EXISTING CMS
- PROPOSED 3X21 CMS
- PROPOSED 3X15 CMS
- O/H EXISTING OVERHEAD SIGN
- EXISTING WOOD POLE
- EXISTING STRAIN POLE
- PROPOSED TYPE IV STRAIN POLE
- PROPOSED MAST ARM STRAIN POLE
- PROPOSED PEDESTAL POLE
- EXISTING EXTENSION POLE
- PROPOSED EXTENSION POLE
- EXISTING AERIAL OR UNDERGROUND SERVICE POINT LOCATION
- PROPOSED AERIAL OR UNDERGROUND SERVICE POINT LOCATION
- EJB PROPOSED ELECTRICAL JUNCTION BOX
- EXISTING ELECTRICAL COMMUNICATION BOX
- PROPOSED ELECTRICAL COMMUNICATION BOX
- PROPOSED 3 SECTION TRAFFIC SIGNAL HEAD
- PROPOSED MAST ARM
- PROPOSED ORANGE BARRIER FENCE

- EXISTING PULLBOX
- PULLBOX, TYPE 2
- PB PULLBOX, TYPE 3, 4, OR 7
- EXISTING CABINET
- PROPOSED ADVANCE WARNING FLASHER
- PROPOSED GROUND-MOUNTED SIGN
- EXISTING SIGN
- PROPOSED GROUND-MOUNTED CABINET
- PROPOSED POLE-MOUNTED CABINET (SHADED FACE IS REAR)
- PROPOSED GUARDRAIL
- EXISTING GUARDRAIL
- PROPOSED GUARDRAIL LEADING EDGE TREATMENT
- PROPOSED GUARDRAIL TRAILING EDGE TREATMENT
- C.B. EXISTING CATCH BASIN
- D.I. EXISTING DROP INLET
- EXISTING BRIDGE ATTACHED CONDUIT DUCT BANK
- PROPOSED DIRECTIONAL BORE
- EXISTING CONDUIT DUCT BANK
- PROPOSED CONDUIT DUCT BANK
- PROPOSED CONDUIT ROUTING
- DITCH LINE OR EDGE OF WATER
- CONCRETE DITCH
- EDGE OF PAVEMENT
- SOLID TRAFFIC STRIPE
- SKIP TRAFFIC STRIPE
- SKIP STRIPE (2' STRIPE, 6' GAP)
- BARRIER WALL
- RETAINING WALL/ABUTMENT WALL
- WOODS LINE

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

ITS PLANS
LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
28-0001

RETAIN EXISTING:
PULL BOX, TP 5
OSP F/O CABLE, DROP, SM, 12 FIBER
OSP F/O CABLE, DROP, SM, 12 FIBER, MAINT. LOOP
F/O CLOSURE, UNDERGROUND, 24 SPLICE
INSTALL:
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER, MAINT. LOOP (95 LF)
FIBER OPTIC SPLICE, FUSION (24 EA)

INSTALL:
CONDUIT, NONMETAL, TP 3, 2 IN, 2 @ 15 LF (30 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (15 LF)

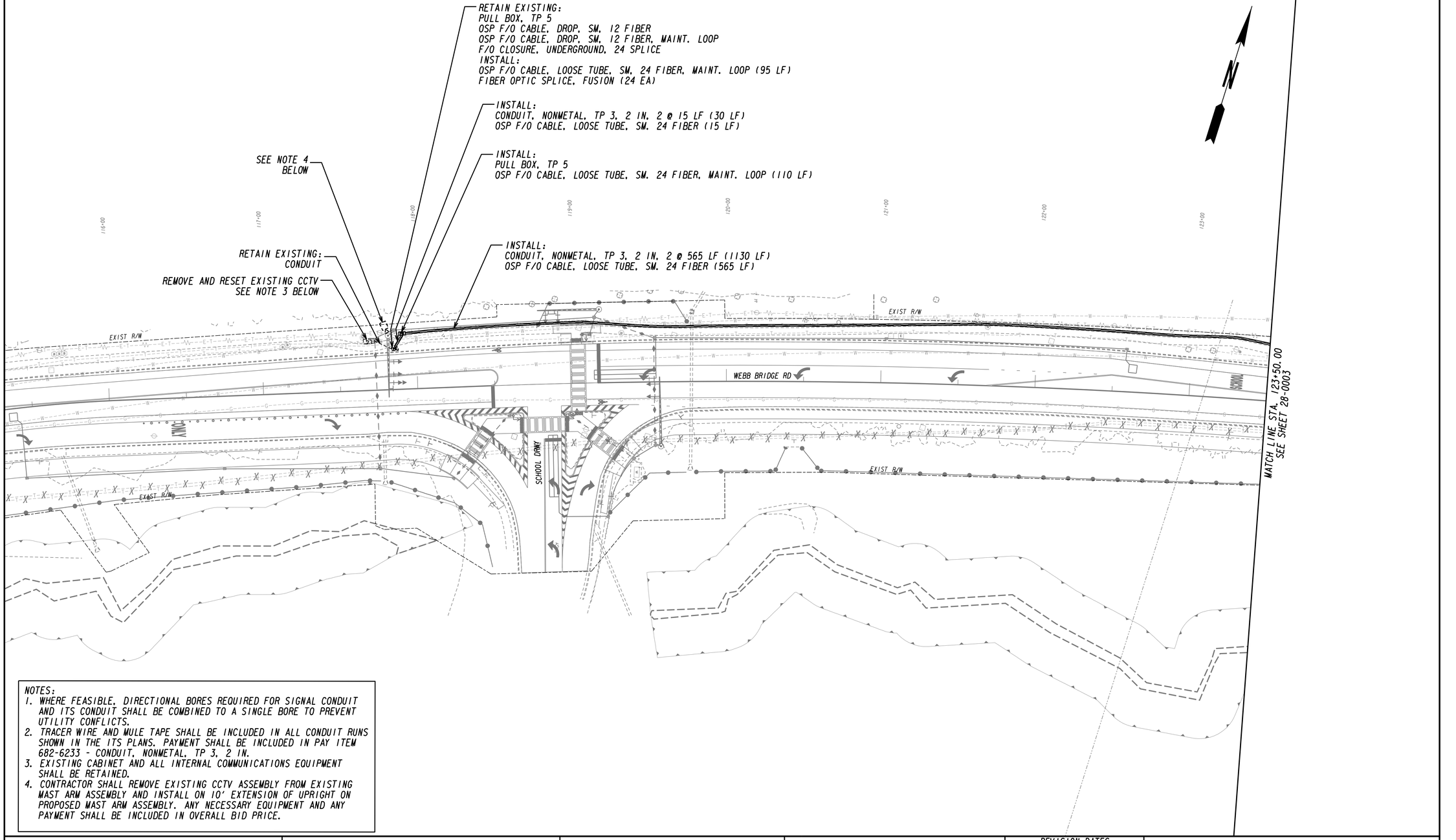
SEE NOTE 4 BELOW

INSTALL:
PULL BOX, TP 5
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER, MAINT. LOOP (110 LF)

INSTALL:
CONDUIT, NONMETAL, TP 3, 2 IN, 2 @ 565 LF (1130 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (565 LF)

RETAIN EXISTING:
CONDUIT

REMOVE AND RESET EXISTING CCTV
SEE NOTE 3 BELOW



NOTES:
1. WHERE FEASIBLE, DIRECTIONAL BORES REQUIRED FOR SIGNAL CONDUIT AND ITS CONDUIT SHALL BE COMBINED TO A SINGLE BORE TO PREVENT UTILITY CONFLICTS.
2. TRACER WIRE AND MULE TAPE SHALL BE INCLUDED IN ALL CONDUIT RUNS SHOWN IN THE ITS PLANS. PAYMENT SHALL BE INCLUDED IN PAY ITEM 682-6233 - CONDUIT, NONMETAL, TP 3, 2 IN.
3. EXISTING CABINET AND ALL INTERNAL COMMUNICATIONS EQUIPMENT SHALL BE RETAINED.
4. CONTRACTOR SHALL REMOVE EXISTING CCTV ASSEMBLY FROM EXISTING MAST ARM ASSEMBLY AND INSTALL ON 10' EXTENSION OF UPRIGHT ON PROPOSED MAST ARM ASSEMBLY. ANY NECESSARY EQUIPMENT AND ANY PAYMENT SHALL BE INCLUDED IN OVERALL BID PRICE.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 30 60 120

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

ITS PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
28-0002

INSTALL:
CONDUIT, NONMETAL, TP 3, 2 IN, 2 @ 190 LF (380 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (190 LF)

INSTALL:
PULL BOX, TP 5
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER, MAINT. LOOP (95 LF)

INSTALL:
5" DIRECTIONAL BORE (175 LF)
CONDUIT, NONMETAL, TP 3, 2 IN, 2 @ 175 LF (350 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (175 LF)

N

124+00
125+00
126+00
127+00
128+00
129+00
130+00

EXIST R/W

WEBB BRIDGE RD

MATCH LINE STA. 123+50.00
SEE SHEET 28-0002

MATCH LINE STA. 131+00.00
SEE SHEET 28-0004

INSTALL:
PULL BOX, TP 5
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER, MAINT. LOOP (110 LF)

INSTALL:
CONDUIT, NONMETAL, TP 3, 2 IN, 2 @ 380 LF (760 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (380 LF)

INSTALL:
PULL BOX, TP 5
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER, MAINT. LOOP (110 LF)

INSTALL:
5" DIRECTIONAL BORE (20 LF)
CONDUIT, NONMETAL, TP 3, 2 IN, 2 @ 20 LF (40 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (20 LF)

NOTES:
1. WHERE FEASIBLE, DIRECTIONAL BORES REQUIRED FOR SIGNAL CONDUIT AND ITS CONDUIT SHALL BE COMBINED TO A SINGLE BORE TO PREVENT UTILITY CONFLICTS.
2. TRACER WIRE AND MULE TAPE SHALL BE INCLUDED IN ALL CONDUIT RUNS SHOWN IN THE ITS PLANS. PAYMENT SHALL BE INCLUDED IN PAY ITEM 682-6233 - CONDUIT, NONMETAL, TP 3, 2 IN.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 30 60 120

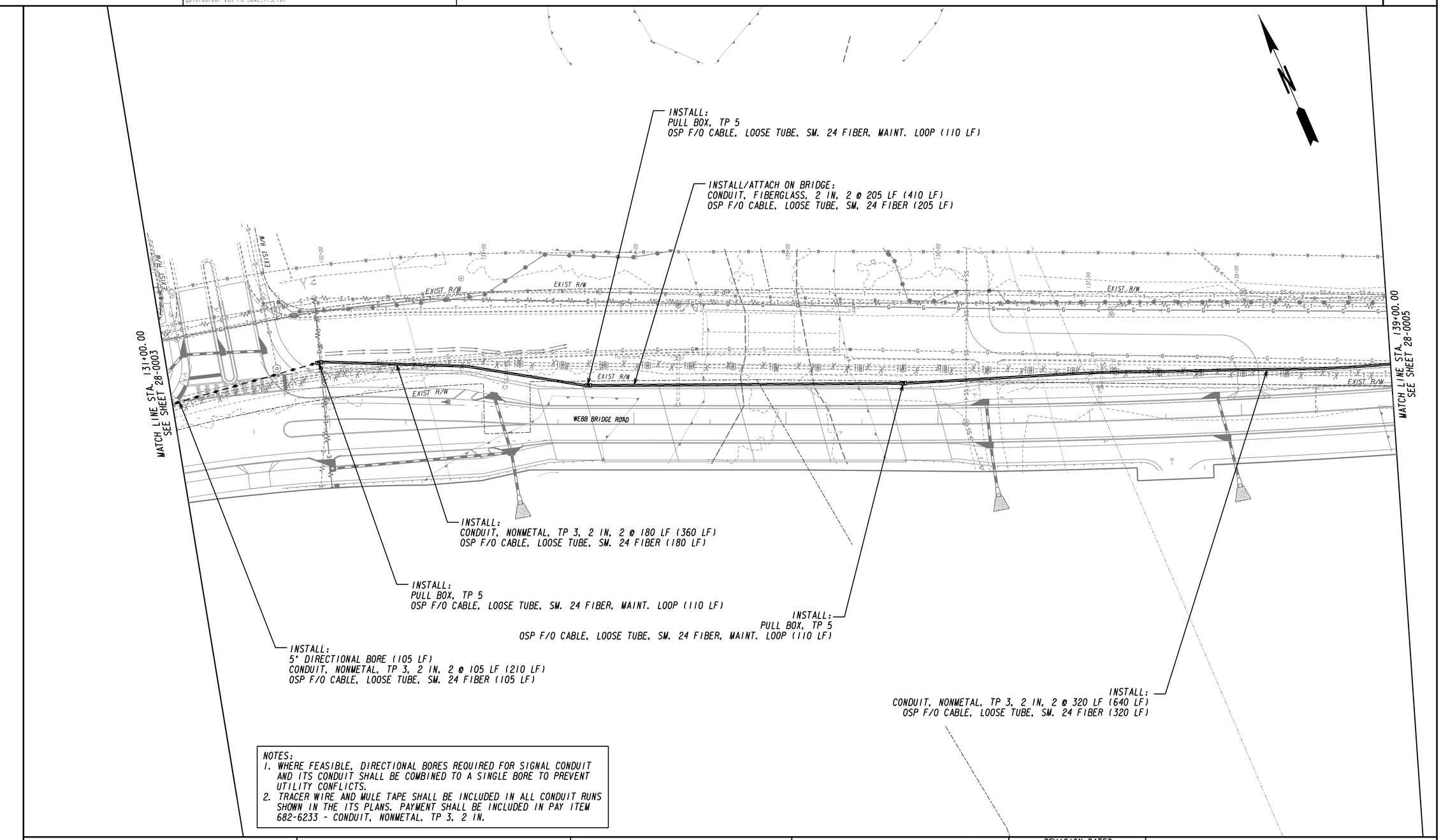
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

ITS PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
28-0003



NOTES:
1. WHERE FEASIBLE, DIRECTIONAL BORES REQUIRED FOR SIGNAL CONDUIT AND ITS CONDUIT SHALL BE COMBINED TO A SINGLE BORE TO PREVENT UTILITY CONFLICTS.
2. TRACER WIRE AND MULE TAPE SHALL BE INCLUDED IN ALL CONDUIT RUNS SHOWN IN THE ITS PLANS. PAYMENT SHALL BE INCLUDED IN PAY ITEM 682-6233 - CONDUIT, NONMETAL, TP 3, 2 IN.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 30 60 120

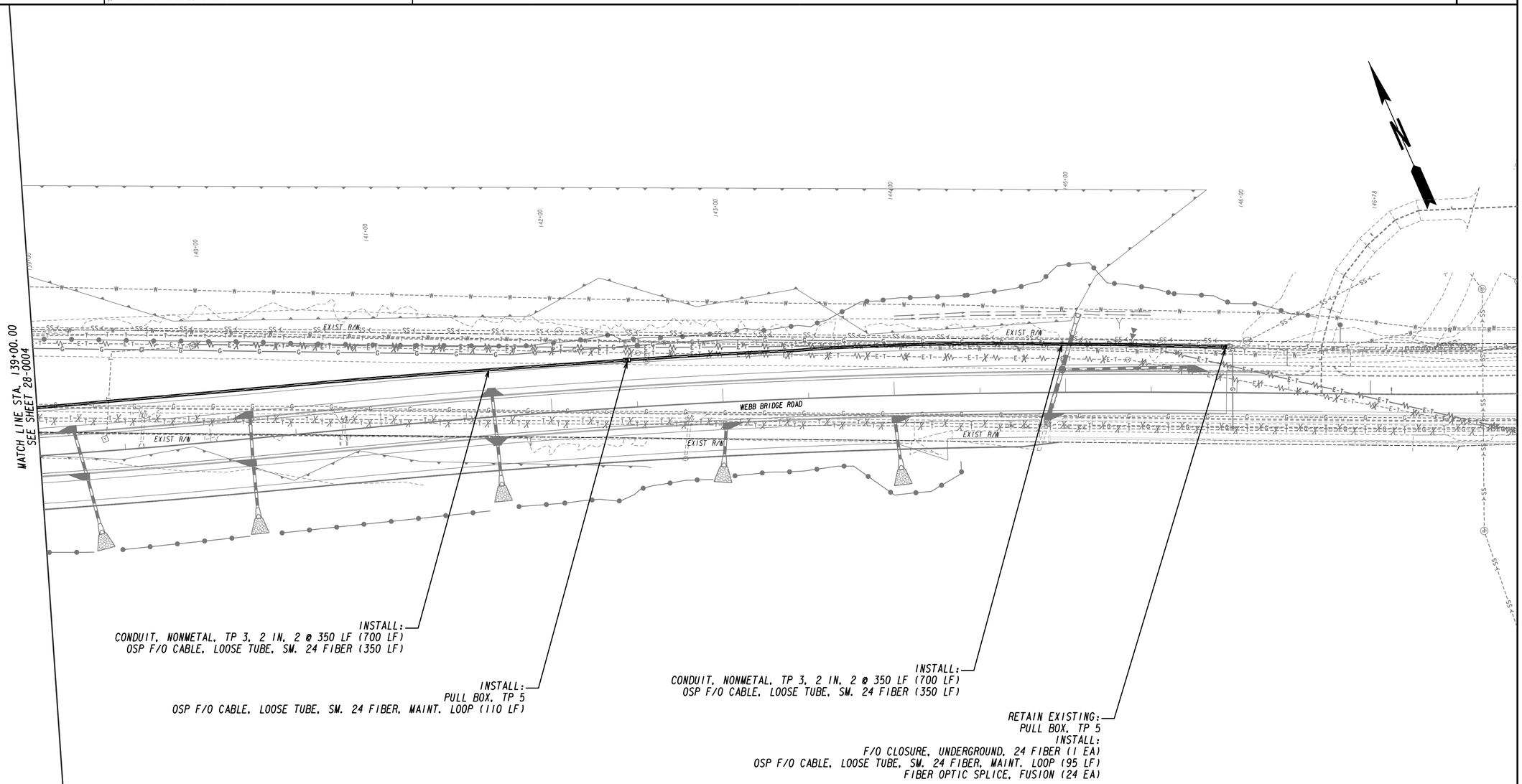
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

ITS PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
28-0004



NOTES:
1. WHERE FEASIBLE, DIRECTIONAL BORES REQUIRED FOR SIGNAL CONDUIT AND ITS CONDUIT SHALL BE COMBINED TO A SINGLE BORE TO PREVENT UTILITY CONFLICTS.
2. TRACER WIRE AND MULE TAPE SHALL BE INCLUDED IN ALL CONDUIT RUNS SHOWN IN THE ITS PLANS. PAYMENT SHALL BE INCLUDED IN PAY ITEM 682-6233 - CONDUIT, NONMETAL, TP 3, 2 IN.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 30 60 120

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

ITS PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
28-0005

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
682-2150	PULL BOX, PB-5 *	EA	8
682-6233	CONDUIT, NONMETL, TP 3, 2 IN**	LF	5300
682-6520	CONDUIT, FIBERGLASS, 2 IN	LF	410
682-9950	DIRECTIONAL BORE - 5 IN	LF	300
935-1113	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER	LF	3925
935-4010	FIBER OPTIC SPLICE, FUSION	EA	48
935-4103	FIBER OPTIC CLOSURE, UNDERGROUND, 24 SPLICE	EA	1

*ALL PULL BOX, PB-5, SHALL BE DOUBLE LID TYPE.
**TRACER WIRE AND MULE TAPE SHALL BE INCLUDED IN ALL CONDUIT RUNS SHOWN IN THE ITS PLANS. PAYMENT SHALL BE INCLUDED IN PAY ITEM 682-6233 - CONDUIT, NONMETAL, TP 3, 2 IN.

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

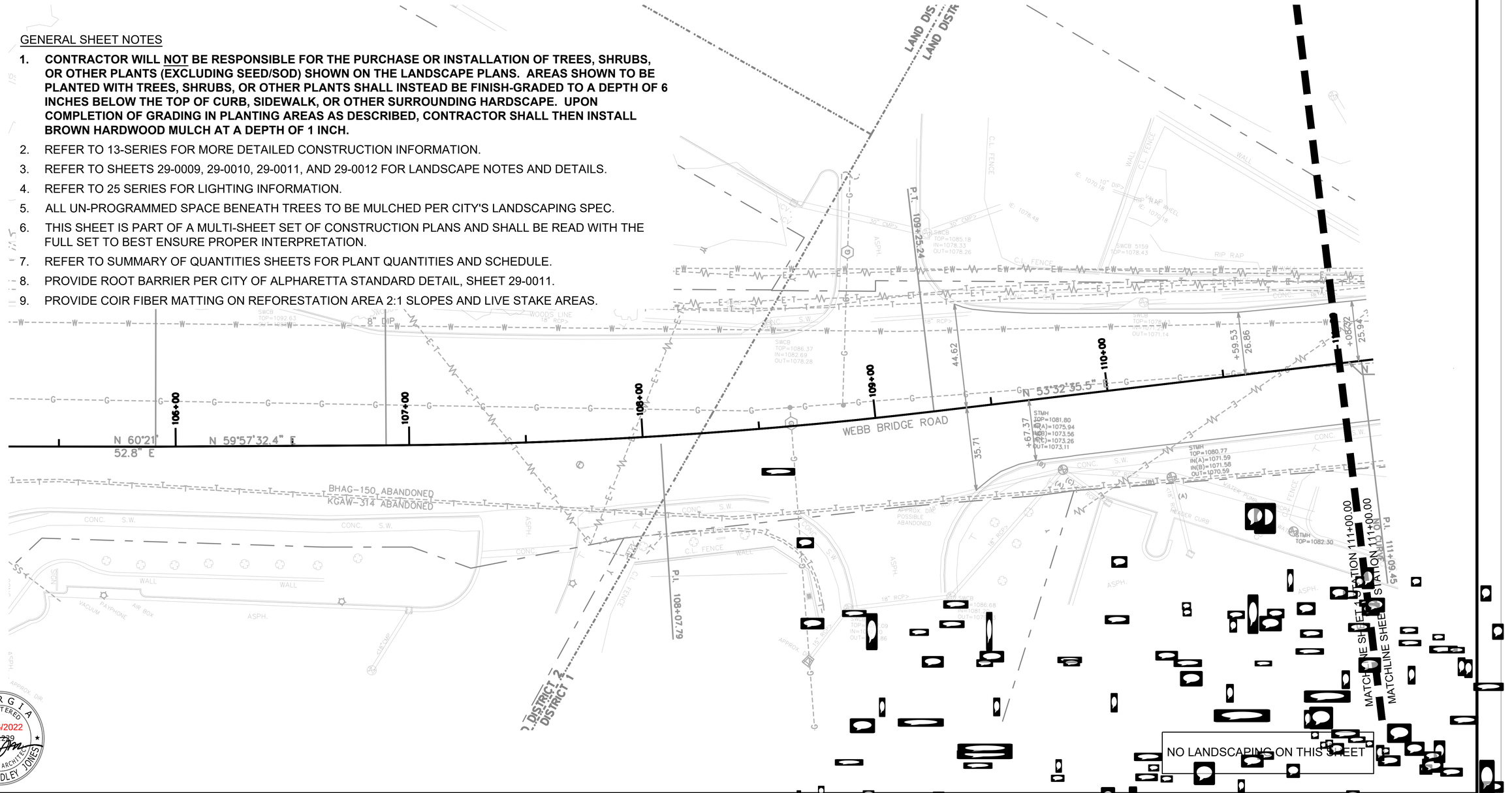
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
ITS PLANS
SUMMARY OF QUANTITIES
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No.
28-0006

PLOT DATE:

GENERAL SHEET NOTES

1. **CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE PURCHASE OR INSTALLATION OF TREES, SHRUBS, OR OTHER PLANTS (EXCLUDING SEED/SOD) SHOWN ON THE LANDSCAPE PLANS. AREAS SHOWN TO BE PLANTED WITH TREES, SHRUBS, OR OTHER PLANTS SHALL INSTEAD BE FINISH-GRADED TO A DEPTH OF 6 INCHES BELOW THE TOP OF CURB, SIDEWALK, OR OTHER SURROUNDING HARDSCAPE. UPON COMPLETION OF GRADING IN PLANTING AREAS AS DESCRIBED, CONTRACTOR SHALL THEN INSTALL BROWN HARDWOOD MULCH AT A DEPTH OF 1 INCH.**
2. REFER TO 13-SERIES FOR MORE DETAILED CONSTRUCTION INFORMATION.
3. REFER TO SHEETS 29-0009, 29-0010, 29-0011, AND 29-0012 FOR LANDSCAPE NOTES AND DETAILS.
4. REFER TO 25 SERIES FOR LIGHTING INFORMATION.
5. ALL UN-PROGRAMMED SPACE BENEATH TREES TO BE MULCHED PER CITY'S LANDSCAPING SPEC.
6. THIS SHEET IS PART OF A MULTI-SHEET SET OF CONSTRUCTION PLANS AND SHALL BE READ WITH THE FULL SET TO BEST ENSURE PROPER INTERPRETATION.
7. REFER TO SUMMARY OF QUANTITIES SHEETS FOR PLANT QUANTITIES AND SCHEDULE.
8. PROVIDE ROOT BARRIER PER CITY OF ALPHARETTA STANDARD DETAIL, SHEET 29-0011.
9. PROVIDE COIR FIBER MATTING ON REFORESTATION AREA 2:1 SLOPES AND LIVE STAKE AREAS.



GEORGIA REGISTERED 09/16/2022 No. 1339 LANDSCAPE ARCHITECT ROBERT BRADLEY JONES

POND Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET 0 20 40 80

REVISION DATES

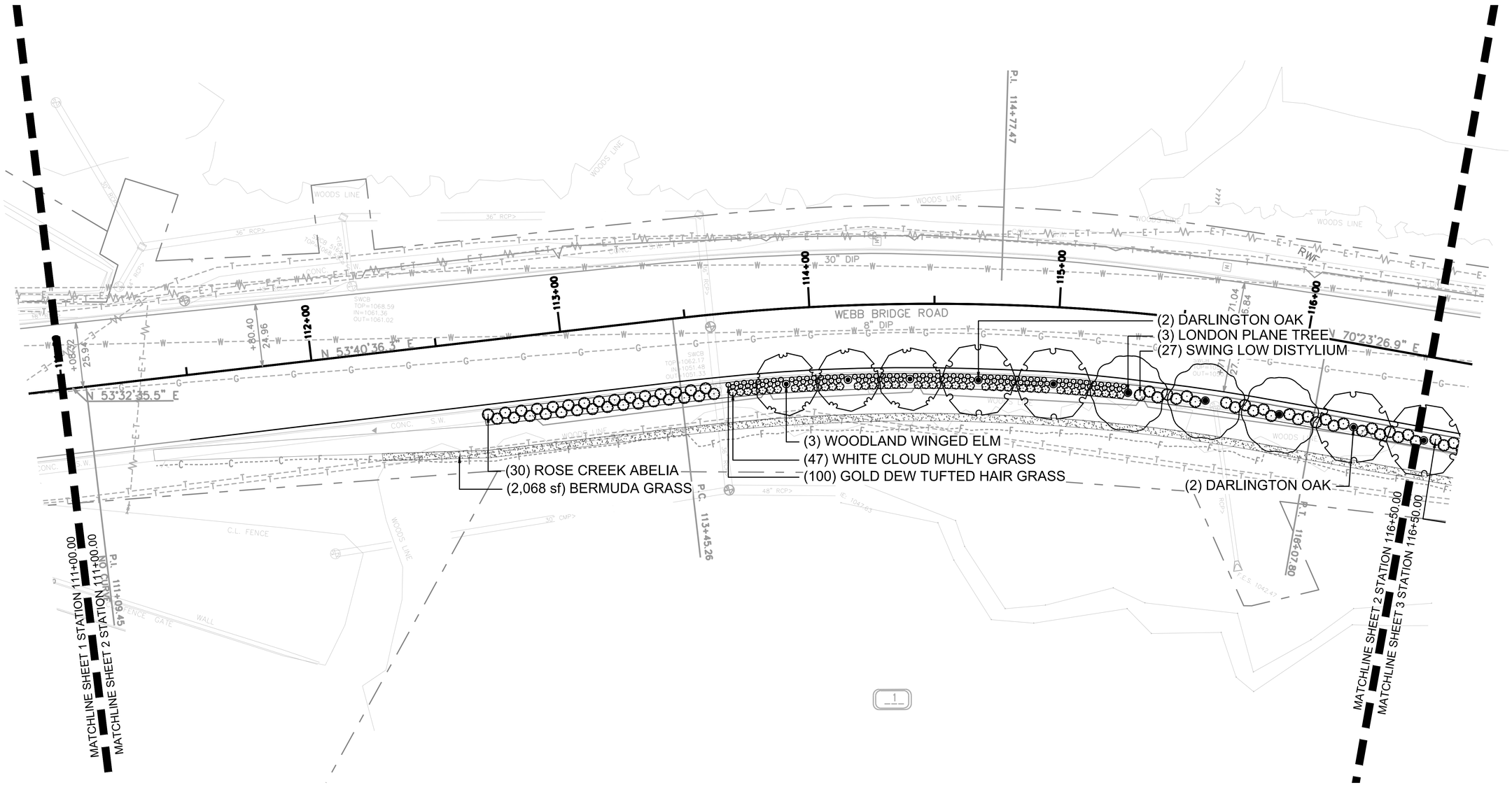
CITY OF ALPHARETTA
DEPT: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 29-0001

PLOT DATE:



GEORGIA REGISTERED LANDSCAPE ARCHITECT No. 1329 ROBERT BRADLEY JONES
07/19/2022

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

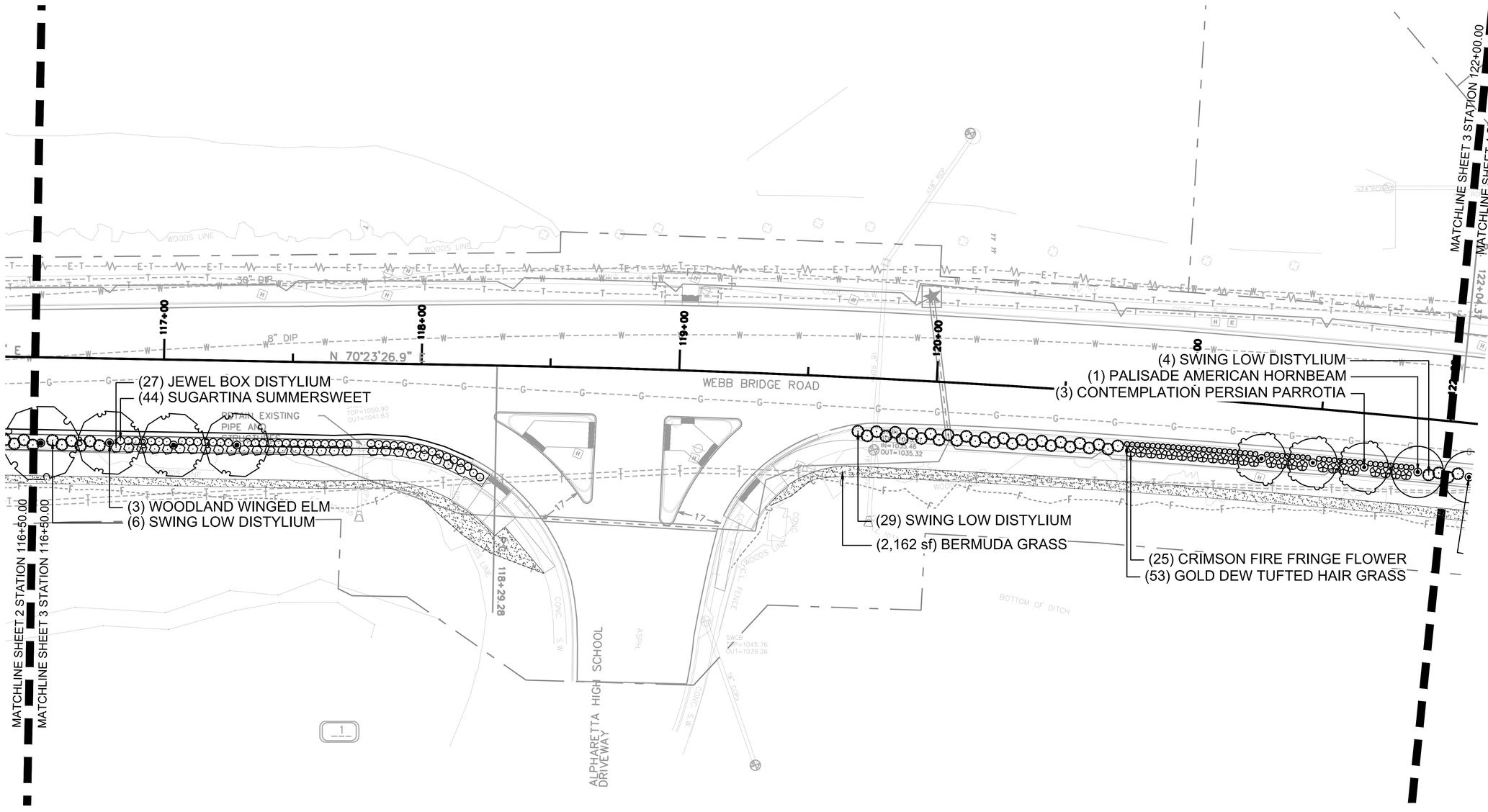
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
29-0002

PLOT DATE:



GEORGIA REGISTERED LANDSCAPE ARCHITECT
07/19/2022
No. 1239
ROBERT BRADLEY JONES

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		

CITY OF ALPHARETTA

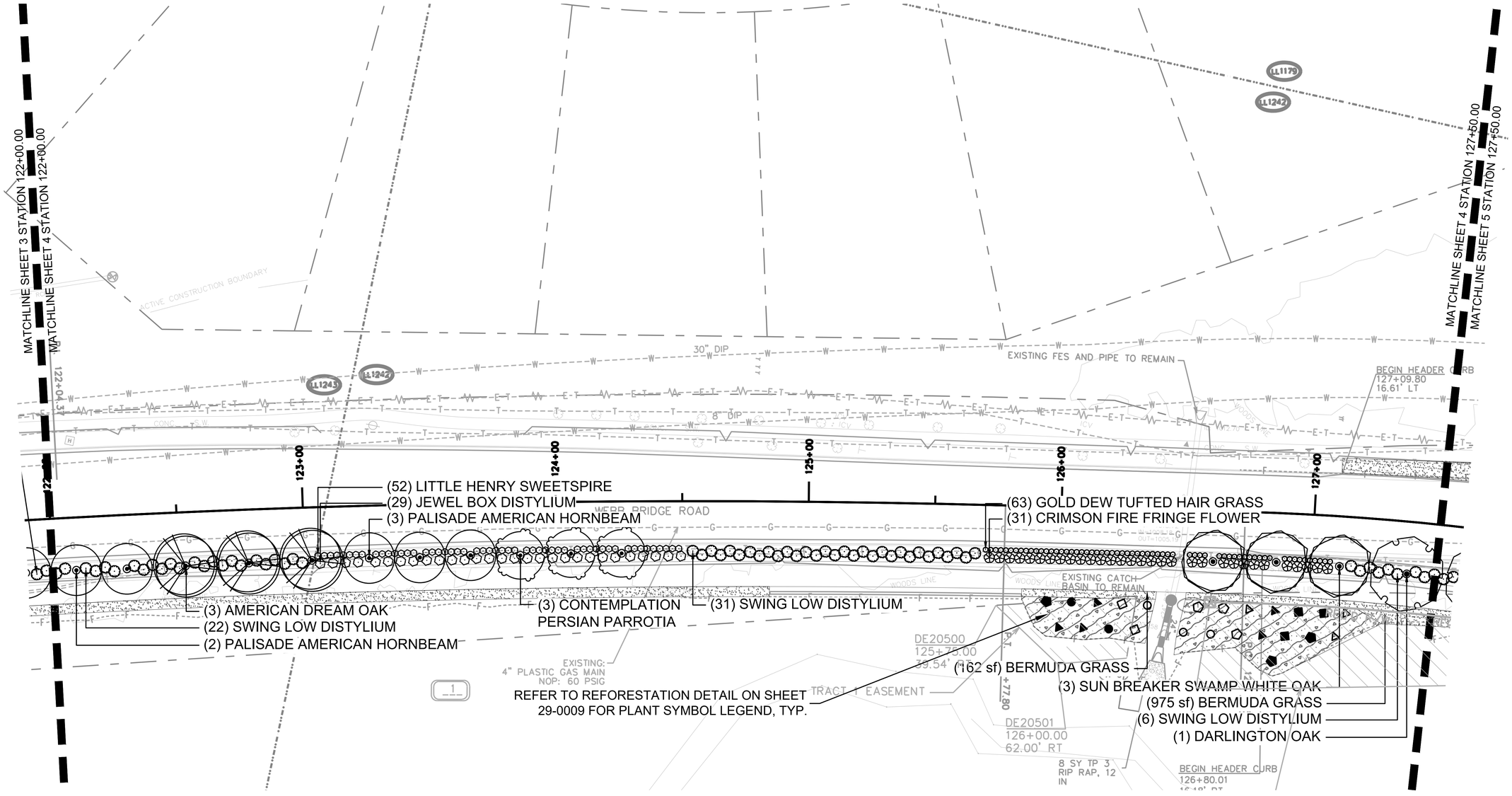
OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
29-0003

PLOT DATE:



GEORGIA REGISTERED LANDSCAPE ARCHITECT ROBERT BRADLEY JONES No. 1239
07/19/2022

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

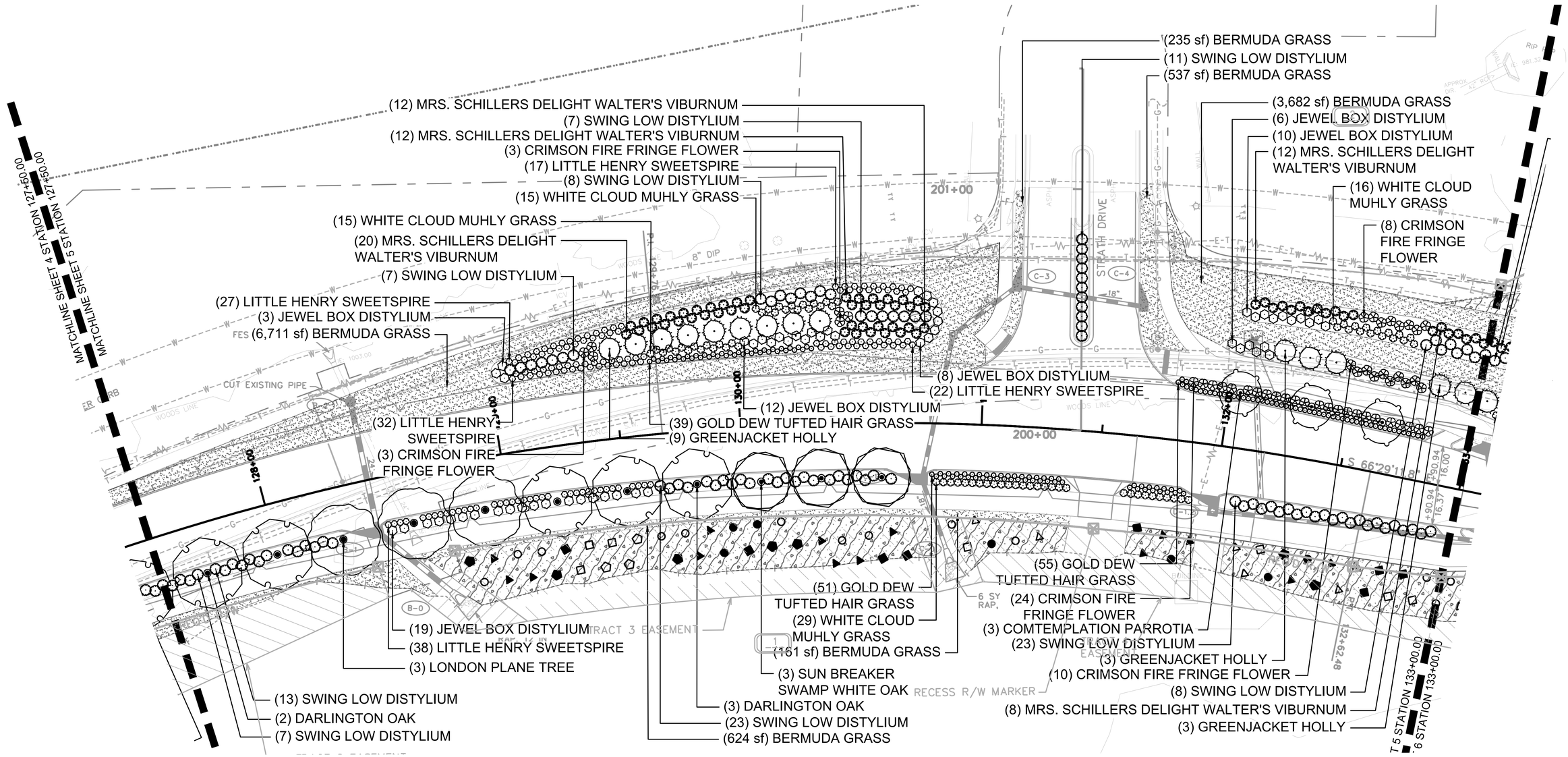
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
29-0004

PLOT DATE:



GEORGIA REGISTERED 07/19/2022 No. 1239 LANDSCAPE ARCHITECT ROBERT BRADLEY JONES

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

N

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
29-0005

PLOT DATE:

(9) SWING LOW DISTYLIUM

(10) MRS. SCHILLERS DELIGHT
WALTER'S VIBURNUM

(190) LIVESTAKES,
REFER TO SHEET
29-0010

(18) LITTLE HENRY SWEETSPIRE

(15) SUGARTINA SUMMERSWEET

(16) WHITE CLOUD
MUHLY GRASS

(9) SWING LOW
DISTYLIUM

(8) CRIMSON FIRE
FRINGE FLOWER

(15) SWING LOW DISTYLIUM

(15) MRS. SCHILLERS DELIGHT WALTER'S VIBURNUM

(23) WHITE CLOUD MUHLY GRASS

(130) LIVESTAKES,
REFER TO SHEET
29-0010

(15) SUGARTINA
SUMMERSWEET

(18) WHITE CLOUD
MUHLY GRASS

(16) SWING LOW
DISTYLIUM

(17) LITTLE HENRY
SWEETSPIRE

(107) LIVESTAKES,
REFER TO SHEET
29-0010

(253) LIVESTAKES,
REFER TO SHEET
29-0010

(55) LIVESTAKES,
REFER TO SHEET
29-0010

REFER TO REFORESTATION DETAIL ON SHEET
29-0009 FOR PLANT SYMBOL LEGEND, TYP.

MATCHLINE SHEET 5 STATION 133+00.00

MATCHLINE SHEET 6 STATION 133+00.00

MATCHLINE SHEET 6 STATION 138+50.00

MATCHLINE SHEET 7 STATION 138+50.00

GEORGIA
REGISTERED
No. 1239
LANDSCAPE ARCHITECT
ROBERT BRADLEY JONES
07/19/2022

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA
GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

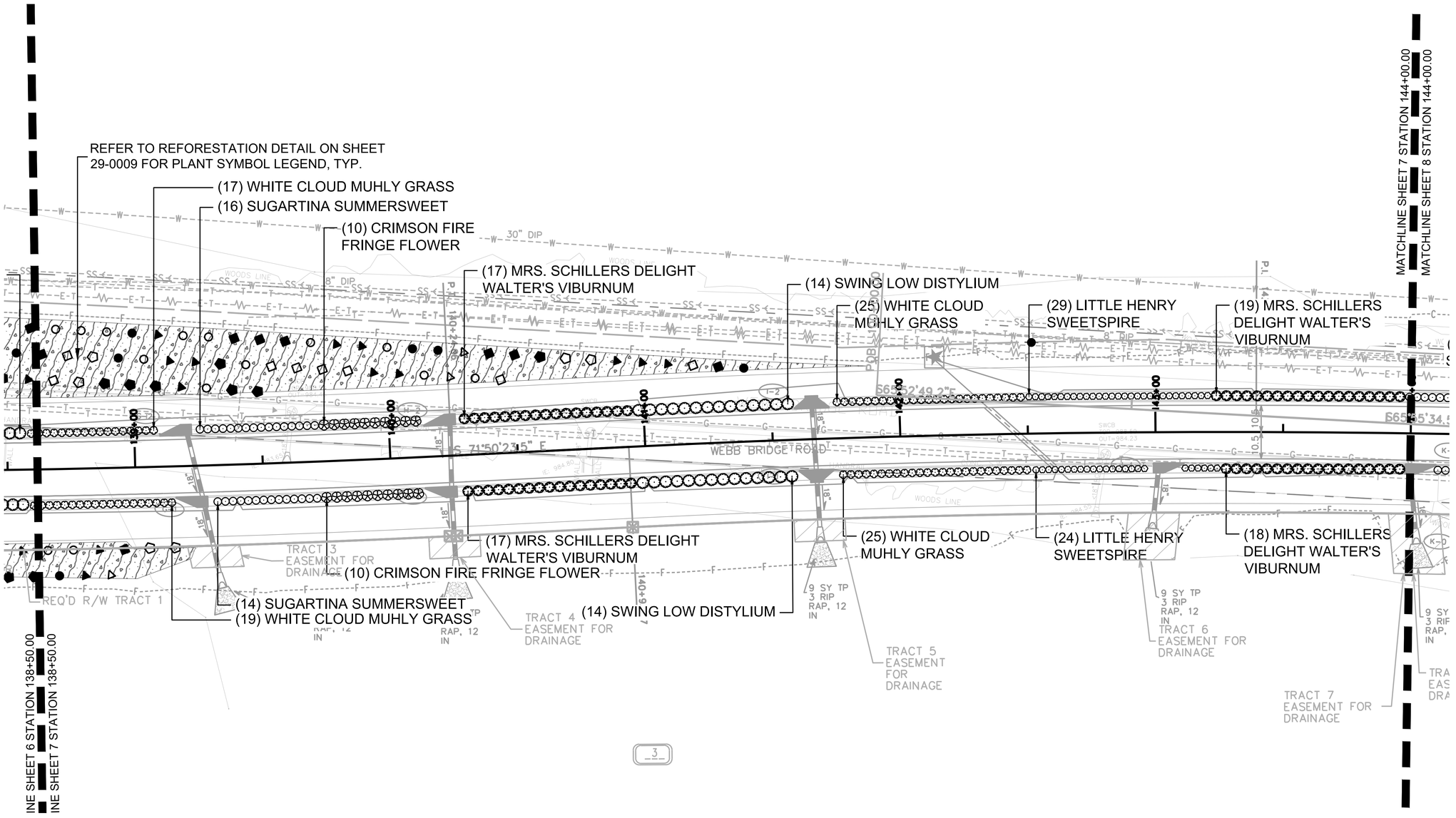
OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF
NORTH POINT PARKWAY TO BIG
CREEK GREENWAY

DRAWING No.
29-0006

PLOT DATE:



3

GEORGIA REGISTERED 07/19/2022 No. 1239 LANDSCAPE ARCHITECT ROBERT BRADLEY JONES

POND Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET 0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

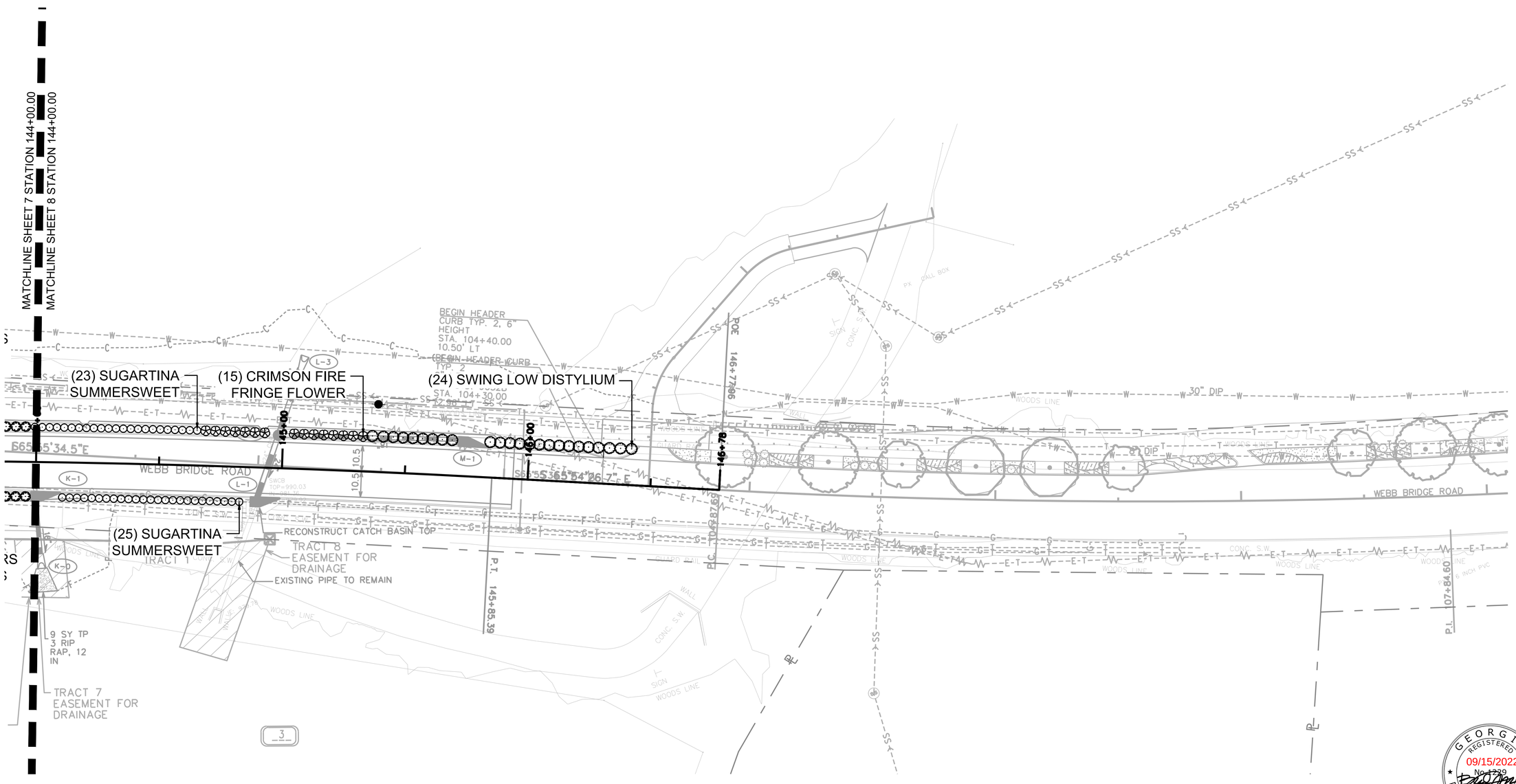
OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 29-0007

PLOT DATE:



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

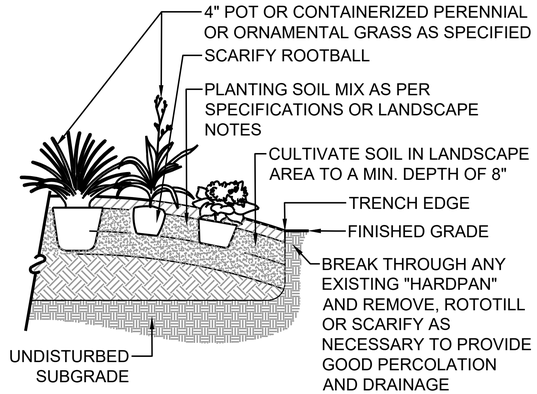
OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

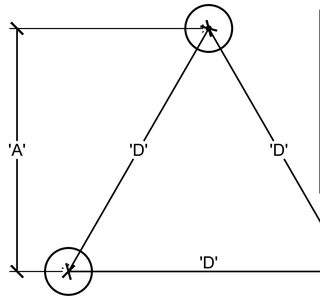
DRAWING No.
29-0008

PLOT DATE:



1 ORNAMENTAL GRASS PLANTING DETAIL

NOT TO SCALE



PLANT SPACING 'D'	ROW 'A'
8" O.C.	7.00" O.C.
10" O.C.	8.5" O.C.
12" O.C.	10.5" O.C.
18" O.C.	15.5" O.C.
24" O.C.	21.0" O.C.
36" O.C.	30" O.C.
48" O.C.	31.5" O.C.

NOTE:
GROUNDCOVERS, PERENNIALS, AND GRASSES TO BE INSTALLED WITH TRIANGULAR SPACING.

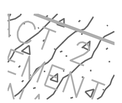
2 PLANT SPACING DETAIL

NOT TO SCALE

NOTES FOR REFORESTED SLOPES:
1. MULCH ALL REFORESTED SLOPES WITH SHREDDED HARDWOOD MULCH, MIN. 4" THICK.
2. REFER TO PLAN SHEETS FOR REFORESTATION PLANTING PLAN. REFORESTATION PLANS TO BE PLANTED IN A 10' X 10' GRID.
3. REFORESTED SLOPES TO BE PLANTED BETWEEN OCT. 1ST AND FEB. 28TH ONLY.
4. ALL REFORESTATION PLANTINGS TO BE 2" CALIPER MINIMUM.
5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES DURING BID PHASE.

REFORESTATION SCHEDULE

	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
	TOTAL	TREES		
■	53	Acer rubrum	Red Maple	2" Cal.
●	52	Carpinus caroliniana	American Hornbeam	2" Cal.
▲	31	Cladrastis kentuckea	American Yellowwood	2" Cal.
⬟	45	Carya tomentosa	Mockernut Hickory	2" Cal.
□	41	Liquidambar styraciflua	Sweetgum	2" Cal.
○	66	Liriodendron tulipifera	Tulip Poplar	2" Cal.
△	39	Nyssa sylvatica	Black Gum	2" Cal.
⬠	27	Quercus nuttallii	Nuttall Oak	2" Cal.



(49,269 SF) NATIVE SEED MIX
(SEE SPEC AT RIGHT)

SEED MIX NOTES:
1. APPLY SEED AT RATES AND AT TIMES RECOMMENDED BY SUPPLIER. CONTRACTOR SHALL SCHEDULE SEED APPLICATION ACCORDINGLY.
2. ONLY PLANT SEED MIXES AFTER SOIL TEMPERATURE REACHES 55 DEGREES. DO NOT PLANT IN WINTER MONTHS.
3. CONTRACTOR IS RESPONSIBLE FOR PREPARING SEED BEDS IF COMPACTED. SEED SHOULD BE APPLIED OVER SCARIFIED, LIGHTLY TILLED SOIL. DO NOT APPLY TO COMPACTED SURFACES.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A SOIL TEST BY THE LOCAL EXTENSION SERVICE AND PROVIDE ANY AMENDMENTS AS RECOMMENDED BY THE TEST.
5. SPECIFIED SEED MIXES FOR LANDSCAPE AREAS (NOT INCLUDING TEMPORARY OR PERMANENT EROSION CONTROL SEEDING) SHALL BE DRILL SEEDED, HAND BROADCAST OR AS OTHERWISE RECOMMENDED BY SEED SUPPLIER. HYDROSEEDING SPECIALTY SEED MIXES IS NOT RECOMMENDED.
6. LIGHTLY MULCH SEEDED AREAS WITH WHEATSTRAW.
7. NURSE GRASSES:
   - 7.1. PLANT WITH NATIVE MIXES THE FOLLOWING NURSE GRASSES AT 8 LBS PER ACRE OR AS RECOMMENDED BY SUPPLIER:
     - 7.1.1. BETWEEN AUGUST 15-NOVEMBER 30: WINTER OATS (AVENA SATIVA)
     - 7.1.2. BETWEEN APRIL 15-AUGUST15: BROWN TOP MILLET (UROCHLOA RAMOSA)
     - 7.1.3. DO NOT PLANT WINTER RYE DURING WINTER MONTHS IN SEED BEDS UNLESS REQUIRED FOR TEMPORARY EROSION CONTROL. CONTRACTOR IS RESPONSIBLE FOR ENSURING SEED BEDS ARE FREE OF WEEDS AND WINTER RYE MATERIAL AT TIME OF PLANTING IN SEED AND PERENNIAL BEDS.

SEED MIX SPECIFICATION:
EQUIVALENT TO ONE OF THE FOLLOWING:

1. LANDSCAPE AND DESIGN MIX #168 - SOUTHERN RIPARIAN BUFFER MIX, APPLY AT 7.2-10.4 POUNDS PER ACRE. AVAILABLE THROUGH ROUNDSTONE NATIVE SEED, LLC, 888-531-2353, WWW.ROUNDSTONESEED.COM.
2. BIG FOUR NATIVE GRASS MIX, APPLY AT 5 POUNDS PER ACRE - AVAILABLE FROM JOHNSTON SEED CO., 580-297-6957, WWW.JOHNSTONSEED.COM
3. RIPARIAN BUFFER MIX, APPLY AT 20-25 POUNDS PER ACRE - AVAILABLE FROM MELLOW MARSH FARM, 919-742-1200 WWW.MELLOWMARSHFARM.COM

3 REFORESTATION PLANTING DETAIL

NOT TO SCALE

GEORGIA REGISTERED LANDSCAPE ARCHITECT No. 1329 ROBERT BRADLEY JONES
07/19/2022

POND Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

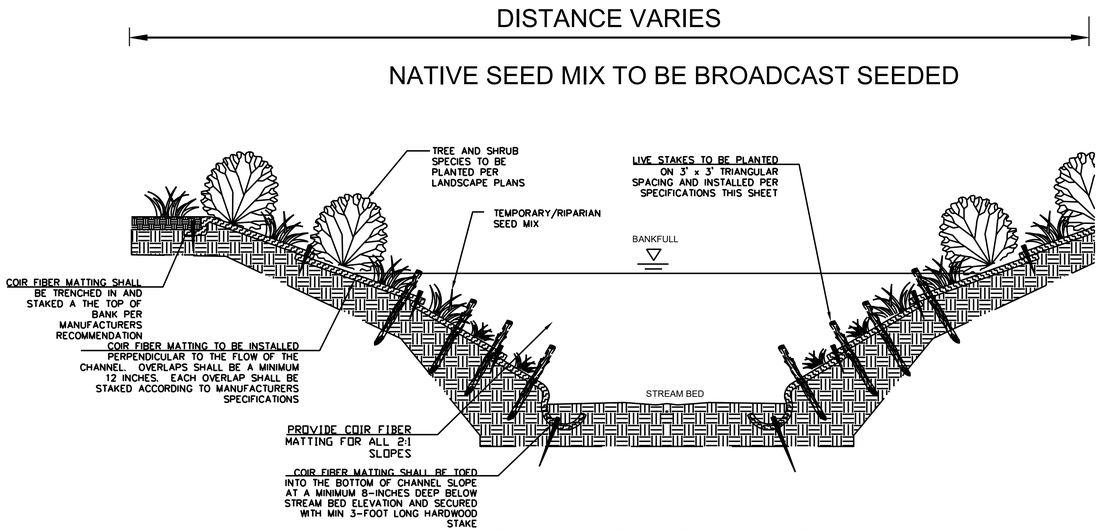
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
LANDSCAPE PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No.
29-0009

PLOT DATE:

NOTE: SPACE LIVESTAKES AT 36" O.C. AND PLACE SPECIES IN SUMMARY OF QUANTITIES IN RANDOM GROUPINGS.

HATCH PATTERN ON PLAN INDICATES LIVE STAKE AREAS.



CROSS-SECTION PLANTING PLAN

SCALE: N.T.S.

1 LIVE STAKES DETAIL

NOT TO SCALE

ITEM #	UNITS	QUANTITY	Botanical/Common	CONT	CALIPER (IN)	SPACING
700-9300	SY	3320	CYNODON DACTYLON TIFTUF/ BERMUDA GRASS	SOD		
700-9400	AC	0.89	NATIVE RESTORATION AND RIPARIAN SEEDING		SEED	
702-0006	EA	361	ABELIA X 'ROSE CREEK' / ROSE CREEK ABELIA	3 GAL		54" o.c.
702-0030	EA	53	ACER RUBRUM/RED MAPLE (REFORESTATION)	B&B	2" Cal.	
702-0120	EA	6	CARPINUS CAROLINIANA `CCSQU` TM / PALISADE AMERICAN HORNBEAM	B&B	4" CAL	
702-0120	EA	52	CARPINUS CAROLINIANA/AMERICAN HORNBEAM (REFORESTATION)	B&B	2" Cal.	
702-0165	EA	152	CLETHRA ALNIFOLIA `CRYSTALINA` TM / SUGARTINA SUMMERSWEET	3 GAL		36" o.c.
702-0474	EA	15	ILEX X WANDOENSIS `OOSTANUALA` TM / GREENJACKET HOLLY	B&B	12-14` HT MIN.	
702-0479	EA	276	ITEA VIRGINICA 'SPRICH' TM / LITTLE HENRY SWEETSPIRE	3 GAL		30" o.c.
702-0555	EA	41	LIQUIDAMBAR STYRACIFLUA/SWEETGUM (REFORESTATION)	B&B	2" CAL	
702-0575	EA	66	LIRIODENDRON TULIPIFERA/TULIP POPLAR (REFORESTATION)	B&B	2" CAL	
702-0610	EA	147	LOROPETALUM CHINENSE RUBRUM 'PIILC-I' TM / CRIMSON FIRE FRINGE FLOWER	3 GAL		48" o.c.
702-0678	EA	265	MUHLENBERGIA CAPILLARIS 'WHITE CLOUD' / WHITE CLOUD MUHLY GRASS	1 GAL		36" o.c.
702-0700	EA	39	NYSSA SYLVATICA/BLACK GUM (REFORESTATION)	B&B	2" CAL	
702-0800	EA	6	PLATANUS X ACERIFOLIA / LONDON PLANE TREE	B&B	4" CAL	
702-0859	EA	6	QUERCUS BICOLOR `GREEN NOVA` TM / SUN BREAKER SWAMP WHITE OAK	B&B	4" CAL	
702-0859	EA	3	QUERCUS BICOLOR 'JFS-KW12' TM / AMERICAN DREAM OAK	B&B	4" CAL	
702-0897	EA	27	QUERCUS NUTTALLII/NUTTALL OAK (REFORESTATION)	B&B	2" CAL	
702-1061	EA	1364	SPOROBOLUS HETEROLEPIS `TARA` / PRAIRIE DROPSEED	1 GAL		18" o.c.
702-1083	EA	6	ULMUS ALATA `WOODLAND` / WOODLAND WINGED ELM	B&B	4" CAL	
702-1096	EA	160	VIBURNUM OBOVATUM 'MRS. SCHILLER'S DELIGHT' / MRS. SCHILLERS DELIGHT WALTER'S VIBURNUM	3 GAL		48" o.c.
702-1225	EA	361	DESCHAMPSIA CESPITOSA 'GOLDTAU' / GOLD DEW TUFTED HAIR GRASS	1 GAL		24" o.c.
702-7410	EA	110	CORNUS AMOMUM /SILKY DOGWOOD		LIVE STAKE	36" OC
702-7410	EA	184	CALLICARPA AAMERICANA / AMERICAN BEAUTYBERRY		LIVE STAKE	36" OC
702-7410	EA	110	CEPHALANTHUS OCCIDENTALIS / BUTTONBUSH		LIVE STAKE	36" OC
702-7410	EA	110	PHYSOCARPA OPULIFOLIUS / NINEBARK		LIVE STAKE	36" OC
702-7410	EA	75	SAMBUCUS CANADENSIS / ELDERBERRY		LIVE STAKE	36" OC
702-7410	EA	110	SYMPHORICARPOS ORBICULATUS / CORALBERRY		LIVE STAKE	36" OC
702-7410	EA	36	SALIX NIGRA / BLACK WILLOW		LIVE STAKE	36" OC
702-9025	SY	2817	LANDSCAPE MULCH			
702-9000	EA	45	CARYA TOMENTOSA/MOCKERNUT HICKORY	B&B	2" CAL	
702-9001	EA	31	CLADRASTIS KENTUKEA/AMERICAN YELLOWWOOD	B&B	2" CAL	
702-9002	EA	114	DISTYLIUM X 'BLDY01' TM / JEWEL BOX DISTYLIUM	3 GAL		48" o.c.
702-9003	EA	333	DISTYLIUM `SWING LOW` 'PIIDIST-VI' / SWING LOW DISTYLIUM	3 GAL		60" o.c.
702-9004	EA	9	PARROTIA PERSICA 'PPCM2' TM / CONTEMPLATION PERSIAN PARROTIA	B&B	4" CAL	
702-9005	EA	10	QUERCUS DARLINGTONIA / DARLINGTON OAK	B&B	4" CAL	
708-1000	CY	2500	PLANT TOPSOIL			
708-9026	LF	1964	ROOT BARRIER			
713-0300	SY	548	COCONUT FIBER BLANKET, WATERWAYS			
713-0400	SY	1900	COCONUT FIBER BLANKET, SLOPES			

GEORGIA REGISTERED 09/15/2022 No. 1239 LANDSCAPE ARCHITECT ROBERT BRADLEY JONES

POND Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET 0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

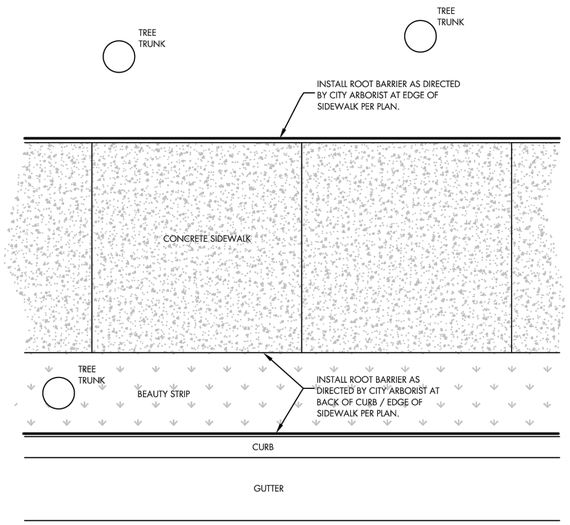
OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 29-0010

PLOT DATE:



NOTES:

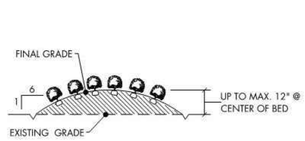
1. ROOT BARRIERS SHALL BE REQUIRED WHEN TREES ARE PLANTED OR ARE EXISTING WITHIN 10' OF ALL CITY OWNED AND MAINTAINED HARDSCAPES.
2. ROOT BARRIERS SHALL BE INSTALLED ALONG THE LENGTH OF THE HARDSCAPES FOR THE EXPECTED CRZ OF THE TREE AT MATURITY OR ALONG THE ENTIRE LENGTH OF THE HARDSCAPE.
3. ROOT BARRIER SHALL BE HIGH DENSITY AND HIGH IMPACT PLASTIC, A MINIMUM 18" DEEP, AS AVAILABLE FROM "DEEP ROOT", VESPRO, INC, OR EQUIVALENT AS APPROVED BY CITY OF ALPHARETTA. BIO BARRIER OR SIMILAR MAY BE SUBSTITUTED, AS APPROVED BY THE CITY.
4. TOP OF ROOT BARRIER SHALL BE SET A MINIMUM OF ½"± ABOVE FINISHED GRADE OF SOIL. HOWEVER, UNDER NO CIRCUMSTANCES SHALL THE TOP OF ROOT BARRIER EXTEND ABOVE ADJACENT CURB, SIDEWALK OR OTHER HARD SURFACING, AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PLEASE PROVIDE MANUFACTURER'S INSTRUCTIONS.

BY	REVISION	DATE
PCB	REVISE NOTE #1	8/24/16

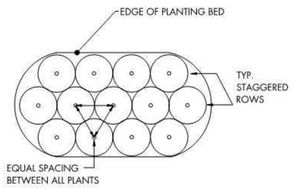
ROOT BARRIER DETAIL
(FOR PUBLIC SIDEWALKS OR CURBING)

08/01/2015

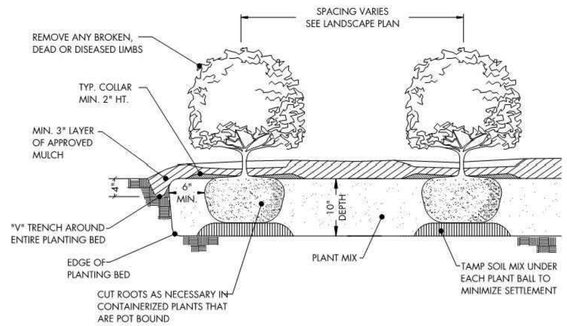
STD. L-8



TYPICAL BED MOUNDING



TYPICAL PLANTING BED PLAN



TYPICAL PLANTING BED DETAIL

NOTES:

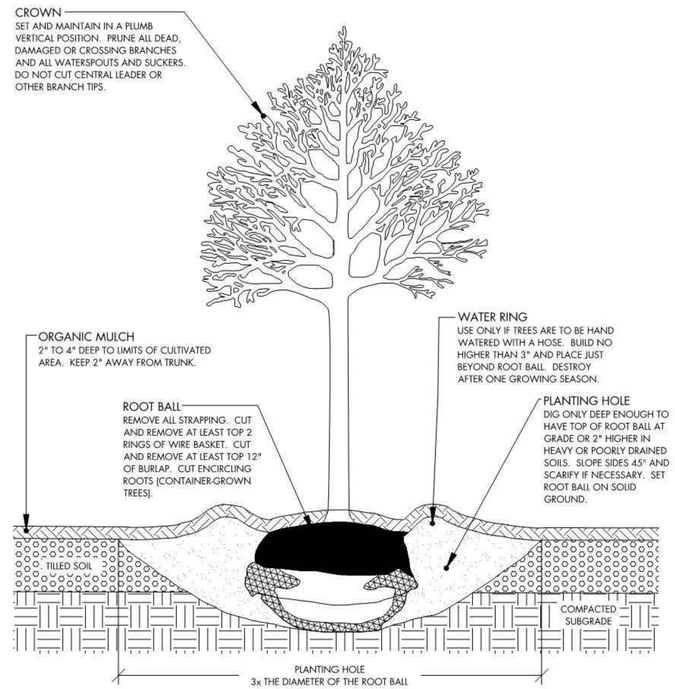
1. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
2. INSTALL TOP OF PLANT BALL 2"-3" ABOVE ADJACENT GRADE.
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.

BY	REVISION	DATE

SHRUB PLANTING BED

08/01/2015

STD. L-7



BY	REVISION	DATE

TREE PLANTING
(TYPICAL SECTION)

08/01/2015

STD. L-1

GEORGIA REGISTERED 07/19/2022 No. 1239 LANDSCAPE ARCHITECT ROBERT BRADLEY JONES

POND
Architects ▪ Engineers ▪ Planners

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

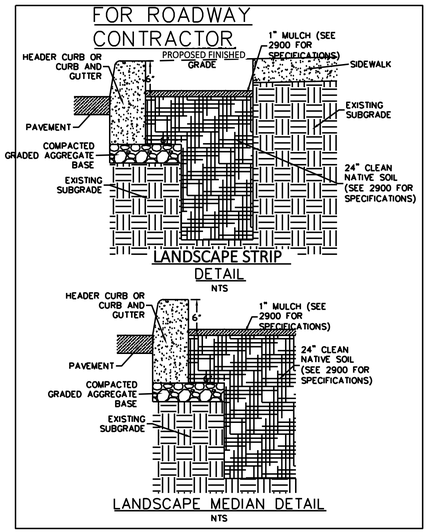
LANDSCAPE PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
29-0011

PLOT DATE:

FOR ROADWAY CONTRACTOR



ROOT PRUNING OF EXISTING TREE NOTES:

1. PRUNE TREE ROOTS THAT ARE AFFECTED BY TEMPORARY OR PERMANENT CONSTRUCTION. PRUNE ROOTS ONLY AS DIRECTED BY THE PROJECT ARBORIST.
2. NO LARGE ROOTS (1" OR LARGER) ARE TO BE SEVERED WITHOUT PRIOR NOTIFICATION OF THE DESIGN PROFESSIONAL OR PROJECT ARBORIST.
3. CUT ROOTS MANUALLY BY DIGGING A TRENCH AND CUTTING EXPOSED ROOTS WITH SHARP PRUNING INSTRUMENTS; DO NOT BREAK, TEAR, CHOP, OR SLANT THE CUTS. DO NOT USE A BACKHOE OR OTHER EQUIPMENT THAT RIPS TEARS OR PULLS ROOTS.
4. CUT ENDS: DO NOT PAINT CUT ROOT ENDS.
5. TEMPORARILY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNTIL THEY ARE PERMANENTLY REDIRECTED AND COVERED WITH SOIL.
6. COVER EXPOSED ROOTS WITH BURLAP AND WATER REGULARLY.
7. BACKFILL AS SOON AS POSSIBLE ACCORDING TO REQUIREMENTS IN SPECIFICATIONS.
8. ROOT PRUNING AT EDGE OF PROTECTION ZONE: ONLY TO BE COMPLETED UNDER THE DIRECT SUPERVISION OF THE PROJECT ARBORIST. PRUNE ROOTS FLUSH WITH THE EDGE OF THE PROTECTION ZONE BY CLEANLY CUTTING ALL ROOTS TO THE DEPTH OF THE REQUIRED EXCAVATION PER GRADING PLANS.
9. ROOT PRUNING WITH PROTECTION ZONE: CLEAR AND EXCAVATE BY HAND OR WITH AIR SPADE TO THE DEPTH OF THE REQUIRED EXCAVATION TO MINIMIZE DAMAGE TO TREE ROOTS SYSTEMS. IF EXCAVATING BY HAND, USE NARROW-TINE SPADING FORKS TO COMB SOIL TO EXPOSE ROOTS. CLEANLY CUT ROOTS AS CLOSE TO EXCAVATION AS POSSIBLE.

CITY OF ALPHARETTA ARBORIST NOTES:

1. IF THERE ARE INCONSISTENCIES BETWEEN ANY ITEMS ON THESE PLANS THE MORE STRICT INTERPRETATION OF THOSE REQUIREMENTS SHALL BE FOLLOWED. PLEASE CONTACT THE CITY'S PROJECT MANAGER FOR ANY INTERPRETATION.
2. TREE SAVE FENCE AND SIGNAGE FOR ENTIRE SITE MUST BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE OR DEMOLITION IS ALLOWED BEFORE THIS INSPECTION AND APPROVAL HAS OCCURRED.
3. THE CRZ OF SPECIMEN TREES PLUS ALL BUFFERS SHALL BE PROTECTED WITH WIRE-BACK TREE SAVE FENCING WITH METAL SUPPORT POSTS OR CHAIN LINE AND TREE SAVE SIGNAGE.
4. INSTALLATION OF THE TREE SAVE FENCE SHALL INVOLVE NO TRENCHING.
5. ALL EXISTING TREES IDENTIFIED FOR PRESERVATION OR FOUND WITHIN TREE SAVE AREAS MUST BE FULLY PROTECTED DURING ALL PHASES OF THIS PROJECT.
6. ADDITIONAL TREES ALONG THE LIMITS OF DISTURBANCE WITH ENCROACHMENT INTO THE SRP AND DEEMED STRUCTURALLY UNSAFE BY THE CITY MAY BE REQUIRED TO BE REMOVED PRIOR TO PROJECT CLOSE-OUT.
7. ALL ROOTS ENCOUNTERED 1/2" OR GREATER DURING GRADING OR EXCAVATING OPERATIONS SHALL BE CLEAN CUT UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
8. PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES, ANY LIMBS OVERHANGING THE LOD WITHIN THE VERTICAL WORK ZONE SHALL BE PROPERLY PRUNED UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST IN ORDER TO PREVENT DAMAGE DURING CONSTRUCTION.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE VEGETATION AND REMOVE TRASH AND DEBRIS WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE CITY OF ALPHARETTA PROPERTY MAINTENANCE CODES.
10. ALL APPROVED REVISIONS TO THE LOCATION OF THE TREE SAVE FENCE NEED TO BE COORDINATED WITH THE CITY'S PROJECT MANAGER PRIOR TO RELOCATION.
11. THE CITY'S PROJECT MANAGER MUST INSPECT THE SITE BEFORE INSTALLATION OF EROSION CONTROL MEASURES. LAND DISTURBANCE WITHOUT A SITE INSPECTION AND APPROVAL BY THE CITY'S PROJECT MANAGER WILL RESULT IN A “STOP-WORK ORDER” AND FINES.
12. IF TREE SURVEY INACCURACIES ARE FOUND ON-SITE, A STOP WORK ORDER MAY BE ISSUED UNTIL REVISED PLANS ARE APPROVED AND PROCESSED BASED ON ACCURATE INFORMATION.
13. ANY TREE DESIGNATED IN THE PLANS TO BE SAVED THAT IS DAMAGED DURING CONSTRUCTION OR GRADING, OR AS A RESULT OF SUCH ACTIVITIES, SHALL BE TREATED ACCORDING TO ACCEPTED INTERNATIONAL SOCIETY OF ARBORICULTURE STANDARDS, OR REPLACED WITH A TREE(S) EQUAL TO THE DBH OF THE REMOVED TREE. HOWEVER, ANY SPECIMEN TREE DAMAGED AS DESCRIBED ABOVE SHALL BE REPLACED WITH A TREE(S) EIGHT (8) TIMES THE DBH OF THE TREE REMOVED WITH A MINIMUM FOUR-INCH (4”) TREE CALIPER. THE CONTRACTOR SHALL BEAR THE COST FOR ANY REQUIRED TREATMENT AND/OR REPLACEMENT.
14. A 4” LAYER OF MULCH IS REQUIRED FOR THE CRZ OF SPECIMEN TREES, TREES OF QUALITY, AND TREE GROUPINGS. MULCH MUST BE APPLIED PRIOR TO START OF CONSTRUCTION AND SHALL NOT TOUCH THE TRUNK(S) OF THE TREE(S).
15. A MINIMUM 2” LAYER OF MULCH IS REQUIRED FOR ALL EXISTING, NON-SPECIMEN, LANDSCAPE TREES, INCLUDING STREET AND PARKING LOT TREES. MULCH MUST BE APPLIED PRIOR TO START OF CONSTRUCTION AND SHALL NOT TOUCH THE TRUNK(S) OF THE TREE(S).
16. ALL MULCH SHALL BE IN ACCORDANCE WITH THE CITY OF ALPHARETTA LANDSCAPE SPECIFICATION AS INCLUDED IN THE BID DOCUMENTS.
17. ALL NEWLY PLANTED TREES SHALL HAVE VISIBLE ROOT FLARES AT FINISHED GRADE. NO GIRDLING ROOTS SHALL BE ALLOWED ON PLANTED TREES. THE UPPER TWO RINGS OF THE WIRE BASKET, ALL BURLAP, AND STRAPPING MUST BE CUT AND REMOVED PRIOR TO BACKFILL.
18. PLAN SIZES (CALIPER AND HEIGHT) MUST MATCH THE SIZES SHOWN ON THE PLANS. PLANTS THAT DO NOT MEET THESE MINIMUMS WILL NOT BE ACCEPTED. E.G. 3 INCH CALIPER TREES MUST BE 3 INCHES OR LARGER. PLANT HEIGHT MEASUREMENT IS TAKEN AT THE TOP OF THE MAIN BODY OF THE PLANT AND NOT AT THE TIP OF THE TOPMOST GROWTH.
19. THE QUALITY OF ALL PLANT MATERIALS TO BE INSTALLED SHALL COMPLY WITH THE CITY OF ALPHARETTA'S LANDSCAPE SPECIFICATION AS INCLUDED IN THE BID DOCUMENTS. ALL PLANT MATERIALS OF LESSER QUALITY SHALL BE REJECTED BY THE CITY.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING OF ALL INSTALLED PLANT MATERIALS ACCORDING TO THE CITY OF ALPHARETTA'S LANDSCAPE SPECIFICATION AS INCLUDED IN THE BID DOCUMENTS. TESTING RESULTS MUST BE PROVIDED TO THE CITY'S PROJECT MANAGER.
21. NO TRENCHING ALLOWED IN TREE SAVE AREAS - INCLUDING FOR IRRIGATION.
22. TREE PIT DRAINAGE TESTING IS REQUIRED. REFER TO THE CITY OF ALPHARETTA'S LANDSCAPE SPECIFICATION AS INCLUDED IN THE BID DOCUMENTS. TESTING RESULTS MUST BE PROVIDED TO THE CITY'S PROJECT MANAGER.
23. ALL TREE ANCHORING DEVICES SHALL BE REMOVED FROM TREE AFTER ONE COMPLETE GROWING SEASON OR ONE YEAR AFTER PLANTING, WHICHEVER IS GREATER.
24. LANDSCAPE CONTRACTORS ARE REQUIRED TO ATTEND THE CITY OF ALPHARETTA PRE-CONSTRUCTION CLASS PRIOR TO BEGINNING WORK ON ANY PROJECT. PLEASE CALL (678) 297-6070 FOR INFORMATION AND TO RESERVE A SPOT.
25. NO TREES SHALL BE PLANTED ON ANY AREA OF AN EARTHEN DAM OR EMBANKMENT.

PROTECTIONS:

1. THE CONTRACTOR SHALL AVOID DAMAGING EXISTING TREES. DO NOT STORE OR DRIVE HEAVY MATERIALS OVER TREE ROOTS. DO NOT DAMAGE TREE BARK OR BRANCHES.
2. THE CONTRACTOR SHALL KEEP PAVEMENTS, FIXTURES AND BUILDINGS CLEAN AND UNSTAINED. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE PROJECT SITE SHALL BE KEPT CLEAR OF CONSTRUCTION WASTES AND DEBRIS.
3. CONTRACTOR SHALL PROTECT ALL EXISTING PLANT MATERIALS INDICATED ON PLANS TO REMAIN. ALL PLANT MATERIAL INDICATED TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WITH THE SAME SIZE, QUALITY, AND TYPE OF PLANT MATERIAL OR AS REQUIRED BY THE LOCAL REVIEWING AUTHORITY, WHICHEVER HAS A GREATER RECOMPENSE VALUE.

PLANTING SOIL MIX NOTES:

1. REFER TO THE CITY OF ALPHARETTA LANDSCAPE SPEC FOR INFORMATION.

GENERAL NOTES:

1. NO MORE THAN 25% OF ANY ONE GENUS MAY BE INCLUDED IN ANY REPLANTING PLAN.
2. GREATER THAN 50% OF THE TREES SHALL BE NATIVE.
3. QUANTITIES FOR THE ABOVE TWO NOTES CAN BE ROUNDED UP.

GEORGIA REGISTERED 09/16/2022 No. 1339 LANDSCAPE ARCHITECT ROBERT BRADLEY JONES

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

LANDSCAPE PLANS

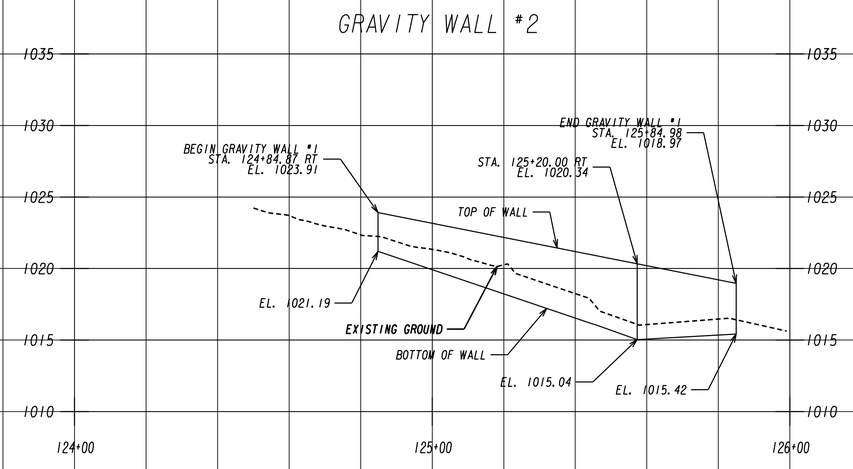
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
29-0012

9/16/2022 6:14:54 PM
USER:LopezA

GPLOT-V8
gplotborder-V8I-P0-half.tbl

\\swltchblade\projects\FY20\I200980\04.CAD\DGN\I200980_31-0001.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE: 1 INCH ▪ 5 FT VERT.
SCALE: 1 INCH ▪ 20 FT HORZ.

REVISION DATES

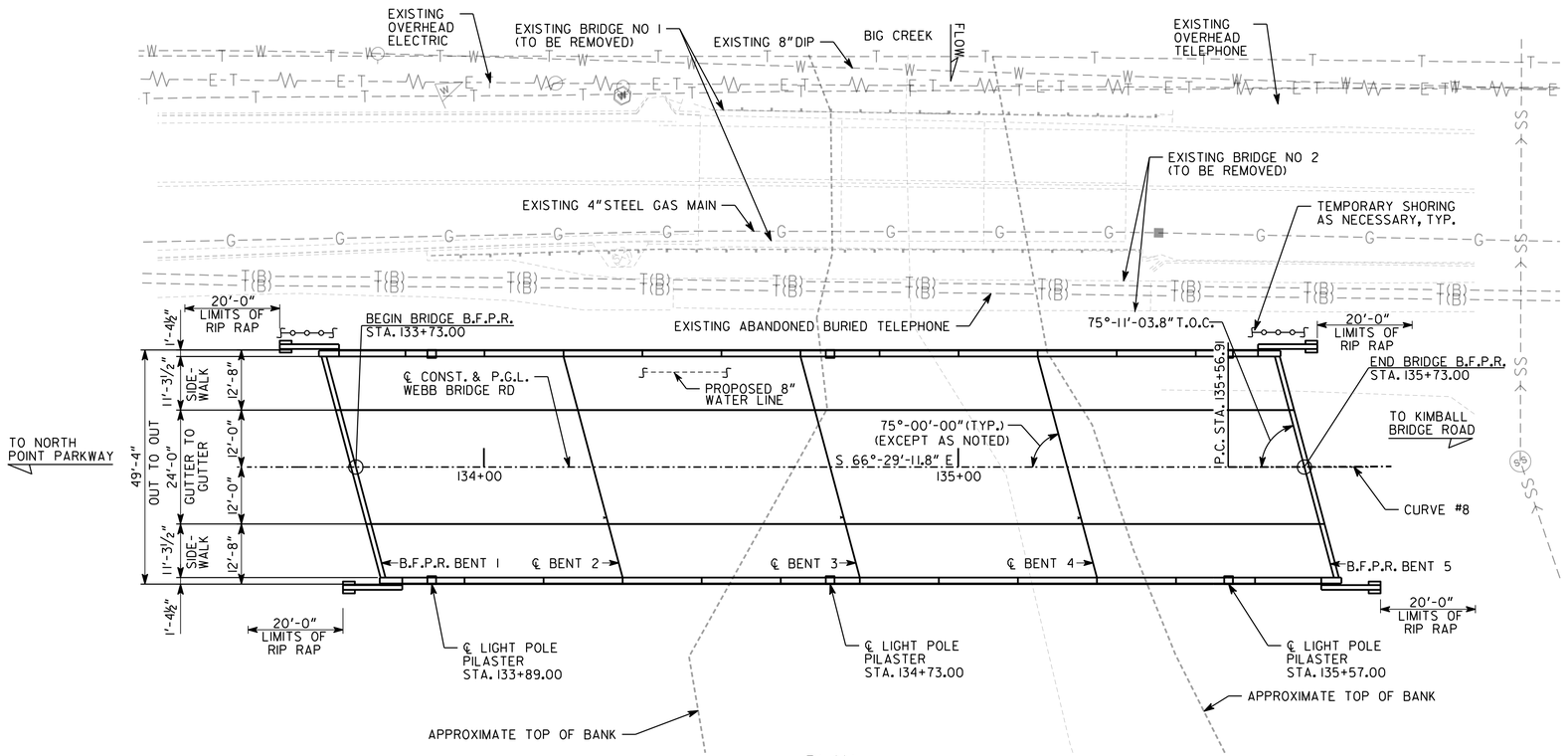
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

RETAINING WALL ENVELOPES

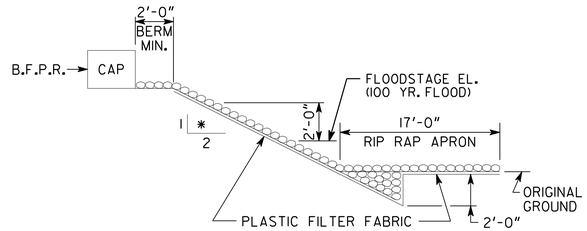
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
31-0001

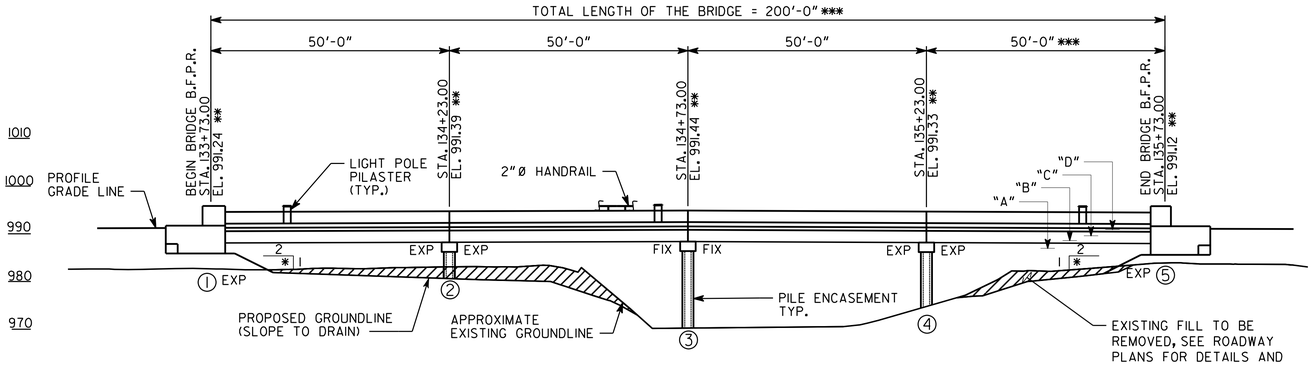


PLAN

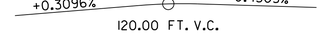
PLACE RIP RAP AND FILTER FABRIC FROM 2 FT. BELOW ORIGINAL GROUND TO 2 FT. ABOVE FLOODSTAGE ELEVATION. EXTEND RIP RAP AND FILTER FABRIC 20 FT. BEYOND END OF WINGWALLS UNLESS OTHERWISE NOTED. WHERE BERM ELEVATION IS LOWER THAN 2 FT. ABOVE FLOODSTAGE, EXTEND RIP RAP AND FILTER FABRIC ACROSS BERM.



RIP RAP DETAIL
NO SCALE



ELEVATION



VERTICAL CURVE DATA

FLOODSTAGE ELEVATIONS		
KEY	YEAR	FLOODSTAGE ELEVATION
"A"	25	986.97
"B"	50	988.58
"C"	100	989.61
"D"	500	990.95

HIGH WATER ELEVATIONS SHOWN ARE AT FIRST CROSS SECTION UPSTREAM OR DOWNSTREAM OF THE BRIDGE, RESPECTIVELY.

NOTES:

1. END BENT PILES NOT SHOWN.
2. *** - MEASURED ALONG ℄ WEBB BRIDGE ROAD
3. ** - STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R. OR ℄ BENT.
4. * - SLOPE NORMAL TO BENT.
5. ALL BENTS ARE PARALLEL.

PI STA= 137+90.65
Δ= 05°-21'-11.7"(LT)
D= 01°-08'-45.30"
T= 233.75 FT
L= 467.16 FT
R= 5000.00 FT
E= 5.46

CURVE DATA
CURVE #8

BRIDGE SERIAL NO. 121-0300-0
BRIDGE ID NO. 121-094IIM-005.80E
PROJECT NO. 1200980

BRIDGE NO. 1

POND
Architects ▪ Engineers ▪ Planners

GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

PLAN AND ELEVATION
WEBB BRIDGE ROAD OVER BIG CREEK
FULTON COUNTY

GEORGIA REGISTERED No. 040321 PROFESSIONAL ENGINEER PRELIMINARY NOT APPROVED FOR CONSTRUCTION 9/15/2022

DRAWING NO. 35-0001
BRIDGE SHEET 1 OF 13

DATE | REVISIONS | BY

SCALE: 1" = 30'-0", UNLESS NOTED OTHERWISE SEPT 2022

DESIGNED RK | CHECKED DM | REVIEWED
DRAWN AN | DESIGN GROUP | APPROVED

1 INCH WHEN PRINTED FULL SIZE

BRIDGE CONSISTS OF

4 - 50'-0" TYPE I MOD PSC BEAM SPANS ---------- SPECIAL DESIGN
3 - STEEL H-PILE INTERMEDIATE BENTS ---------- SPECIAL DESIGN
2 - STEEL H-PILE END BENTS ---------- SPECIAL DESIGN
4 - END POST AND GUARDRAIL ATTACHMENT DETAIL---------- GA. STD. 3054 (9-30-02)
(L= 4'-3"; W=1'-3", H= 4'-4")
(L= 4'-9"; W=1'-3", H= 4'-4")
BAR BENDING DETAILS---------- GA. STD. 3901 (8-69)
TYPICAL FILL DETAIL AT END OF BRIDGE---------- GA. STD. 9037 (9-99)

DESIGN DATA

SPECIFICATIONS ----------AASHTO LRFD 9TH EDITION, 2020
(DESIGNED FOR SEISMIC PERFORMANCE ZONE 1, SDI=0.136)
DESIGN VEHICLE LIVE LOAD ---------- HL-93
FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT
CONCRETE: SUPERSTRUCTURE----------CLASS D, f'_c = 4,000 PSI
BARRIER ---------- CLASS D, f'_c = 4,000 PSI
PSC BEAMS----------CLASS AAA, f'_c = 8,500 PSI
PSC BEAMS ALLOWABLE TENSION----------553 PSI
SUBSTRUCTURE----------CLASS A, f'_c = 3,000 PSI
REINFORCEMENT STEEL: ---------- GRADE 60, f_y = 60,000 PSI
PRETENSIONING STRANDS: ----------f'_s = 270,000 PSI
STEEL H-PILES----------GRADE 50, f_y =50,000 PSI

TRAFFIC DATA

TRAFFIC ---------- ADT = 18,600 (2019)
ADT = 19,530 (2030)
TRUCKS ---------- 2.5%
DESIGN SPEED ---------- 35 MPH

PROPOSED UTILITIES

8" WATER LINE----------FULTON COUNTY

DRAINAGE DATA

DRAINAGE AREA ----------65.9 SQ MI

FLOOD FREQUENCY	TOTAL DISCHARGE	DISCHARGE THRU BRIDGE	AREA OF OPENING BELOW FLOODSTAGE	MEAN VELOCITY	BACKWATER HEIGHT
50 YEAR	7728 CFS	7728 CFS	1733 SQ FT	4.46 FPS	-0.97 FT
100 YEAR	9202 CFS	8923 CFS	1733 SQ FT	5.15 FPS	-0.60 FT
500 YEAR	11099 CFS	8628 CFS	1733 SQ FT	4.98 FPS	+0.01 FT

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2021 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. MAINTAIN 2 INCH MINIMUM CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TEMPORARY SHORING - INCLUDE THE COST OF TEMPORARY SHORING AS NECESSARY FOR BRIDGE CONSTRUCTION IN THE OVERALL BID SUBMITTED.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENTS.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS ARE NOT AVAILABLE.

WAITING PERIOD - NONE REQUIRED

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

DRIVING RESISTANCE - DETERMINE DRIVING RESISTANCE FOR PILES USING DYNAMIC PILE TESTING IN ACCORDANCE WITH SUB-SECTION 520.3.05.D.2 OF THE GEORGIA DOT SPECIFICATIONS. DYNAMIC PILE TESTING SHALL BE REQUIRED AT BENTS 1 RIGHT AND 2 LEFT.

DYNAMIC PILE TESTING - PERFORM PILE TESTING USING THE PILE DRIVING ANALYZER (PDA) IN ACCORDANCE WITH SPECIAL PROVISION SECTION 523. NOTIFY THE GEOTEHCNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT GEOTECHNICAL_SUBMITTALS@DOT.GA.GOV TWO WEEKS PRIOR TO DRIVING PILES. SUBMIT ALL FILES REQUIRED BY SPECIAL PROVISION 523 TO GEOTECHNICAL_SUBMITTALS@DOT.GA FOR REVIEW AND APPROVAL

WAVE EQUATION - PERFORM WAVE EQUATION ANALYSIS (WEAP) IN ACCORDANCE WITH SUB-SECTION 520.3.05.D.2 OF THE GEORGIA DOT SPECIFICATIONS. PROVIDE RESULTS OF THE WEAP TO THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT GEOTECHNICAL_SUBMITTALS@DOT.GA.GOV FOR REVIEW AND APPROVAL TWO WEEKS PRIOR TO DRIVING PILES.

STEEL H-PILES - USE STEEL FOR H-PILES THAT MEETS THE REQUIREMENTS OF ASTM A709 GR 50.

PILOT HOLES - DRILL A 24" DIAMETER PILOT HOLE TO A MINIMUM ELEVATION OF 935 AT AT BENTS 3 AND 4 FOR EACH PILE. THE PILOT HOLE MUST BE CLEAN AND FREE OF DEBRIS. PROVIDE A MINIMUM EMBEDMENT OF 5 FEET INTO SOUND ROCK. FILL PILOT HOLE WITH CLASS A CONCRETE TO THE TOP OF ROCK AFTER PILE IS SEATED. SEAT THE PILE AT THE BOTTOM OF THE PILOT HOLE BY STRIKING PILE WITH A WARM PILE HAMMER. THE PILE IS SEATED WHEN A MOVEMENT OF 1/4 INCH OR LESS IN FIVE BLOWS IS OBSERVED.

PILE POINTS - REINFORCE ALL PILE TIPS AT BENTS 1, 2, AND 5 IN ACCORDANCE WITH SECTIONS 520 AND 855 OF THE GEORGIA DOT SPECIFICATIONS.

PILE ENCASEMENT - ENCASE PILES AT BENTS 2, 3 & 4 IN CONCRETE UP TO BOTTOM OF CAP. PROVIDE ENCASEMENT IN ACCORDANCE WITH SECTION 547 OF THE GEORGIA DOT SPECIFICATIONS. ENCASEMENT SHALL NOT BE POURED MONOLITHICALLY WITH BENT CAP.

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501. 3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

UTILITY HANGERS - FURNISH AND INSTALL CONCRETE INSERTS. USE ANVIL FIGURE 282, AAA TECHNOLOGY FIGURE 912 OR APPROVED EQUAL CONCRETE INSERTS. INCLUDE THE COST OF FURNISHING AND INSTALLING CONCRETE INSERTS IN THE OVERALL BID SUBMITTED. ALL OTHER COMPONENTS OF HANGER ASSEMBLIES SHALL BE FURNISHED AND INSTALLED BY UTILITY OWNER UNLESS OTHERWISE SHOWN IN THE UTILITY PLANS.

STEEL DIAPHRAGMS - SUBSTITUTION FOR STEEL DIAPHRAGMS IS NOT ALLOWED FOR THIS BRIDGE

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS

CONCRETE DECK OVERHANGS - PROVIDE ADEQUATE TEMPORARY SUPPORT AND BRACING TO PREVENT THE EXTERIOR BEAM/GRIDER FROM TWISTING OR EXCESSIVELY DEFLECTING UNDER THE CONCRETE DEAD LOAD AND THE CONSTRUCTION LOADS. SUBMIT OVERHANG FORMING DESIGN CALCULATIONS AND DETAILS STAMPED BY A LICENSED AND REGISTERED GEORGIA PROFESSIONAL ENGINEER TO THE ENGINEER'S REVIEW AND APPROVAL 60 DAYS PRIOR TO DECK FORM INSTALLATION. INCLUDE ALL COST FOR DESIGNING, PROVIDING, INSTALLING AND REMOVING BRACING IN PRICE BID FOR "LUMP - SUPERSTR CONCRETE."

SPECIAL PROTECTIVE COATING - CLEAN AND PAINT PILES WITH SPECIAL PROTECTIVE COATING NO. 2P IN ACCORDANCE WITH SECTIONS 520 & 535 OF THE GEORGIA DOT SPECIFICATIONS PROIR TO ENCASEMENT. EXTEND COATING FROM BOTTOM OF CAP TO 2FT BELOW GROUND FOR END BENT PILING. EXTEND COATING FROM BOTTOM OF CAP TO 5FT BELOW GROUND FOR INTERMEDIATE BENT PILING REGARDLESS OF ENCASEMENT.

BRIDGE REMOVAL - REMOVE EXISTING BRIDGE AS PER SUB-SECTION 540. 3.05 OF THE GEORGIA DOT SPECIFICATIONS. REMOVAL OF VEHICULAR BRIDGE IS REFERRED TO AS BR NO 1 AND PEDESTRIAN BRIDGE AS BR NO 2.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING VEHICULAR STRUCTURE SHALL BE SALVAGED FOR USE BY THE CITY OF ALPHARETTA. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALPHARETTA THE REMOVAL AND SALVAGING OR DISPOSAL OF EXISTING PEDESTRIAN BRIDGE. IF CITY DECIDES NOT TO SALVAGE PEDESTRIAN BRIDGE THE REMOVAL AND DISPOSAL OF BRIDGE WILL BE PAID UNDER "REMOVAL OF EXISTING BRIDGE - BR NO 2". IF CITY DECIDES TO SALVAGE THE THE PEDESTRIAN BRIDGE, THE BRIDGE SHALL BE DISASSEMBLED AND TRANSPORTED FOR THE CITY. UNLOAD THE SALVAGED COMPONENTS AS DIRECTED BY MORGAN RODGERS WITH THE CITY OF ALPHARETTA PARKS DEPARTMENT. NOTIFY THE CITY TWO WEEKS PRIOR TO DELIVERY. THIS SALVAGE SHALL BE PAID FOR AS "REMOVAL OF EXISTING BRIDGE - BR NO 2 - ALT".

WELDING - ALL WELDING ON CITY OF ALPHARETTA PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

BRIDGE REMOVAL - REMOVE EXISTING BRIDGE AS PER SUB-SECTION 540. 3.05 OF THE GEORGIA DOT SPECIFICATIONS.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF CLEANING AND BENDING OF EXISTING REINFORCEMENT, WATERPROOFING, JOINT FILLERS AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

STONE FACING - STONE FACING SHALL BE PAID FOR AS 607-3000, STONE FACING. INCLUDE THE COST INCIDENTAL TO THE WORK, INCLUDING BUT NOT LIMITED TO MANUFACTURED STONE VENEER, LATICRETE MASONRY VENEER ACCESSORIES SUCH AS VENEER CAP AND VENEER CORNERS. STONE FACING SHALL BE OLDCASTLE ECHELON KENSLEY STONE THIN VENEER (WHEAT), HILLCREST STONE THIN VENEER (ALPINE, TIMBER) OR EQUAL FOR APPROVAL. CONTRACTOR SHALL SUBMIT SAMPLE FOR APPROVAL.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-0100	489	SY	GROOVED CONCRETE
500-1011	LUMP	LS	SUPERSTR CONCRETE, CL D, BR NO - 1 (478)
500-3101	126	CY	CLASS A CONCRETE
507-8900	1943	LF	PSC BEAMS, AASHTO, TYPE I MODIFIED, BR NO - 1
511-1000	13980	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 1 (88835)
515-2020	388	LF	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND
520-0353	18	EA	H-PILE POINTS, HP 12 X 53
520-0589	7	EA	H-PILE POINTS, HP 14 X 89
520-1125	690	LF	PILING IN PLACE, STEEL H, HP 12 X 53
520-1151	1000	LF	PILING IN PLACE, STEEL H, HP 14 X 89
520-4125	1	EA	LOAD TEST, STEEL H, HP 12 X 53 (IF REQD)
520-4151	1	EA	LOAD TEST, STEEL H, HP 14 X 89 (IF REQD)
520-5000	525	LF	PILOT HOLES
523-1100	2	EA	DYNAMIC PILE TEST
540-1102	LUMP	LS	REMOVAL OF EXISTING BRIDGE - BR NO 1
540-1102	LUMP	LS	REMOVAL OF EXISTING BRIDGE - BR NO 2
540-1102	LUMP	LS	REMOVAL OF EXISTING BRIDGE - BR NO 2 - ALT
547-2014	242	LF	PILE ENCASEMENT, 14 IN PILE
603-2024	908	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	908	SY	PLASTIC FILTER FABRIC
607-3000	1563	SF	STONE FACING

BRIDGE NO. 1

POND
Architects ▪ Engineers ▪ Planners

GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

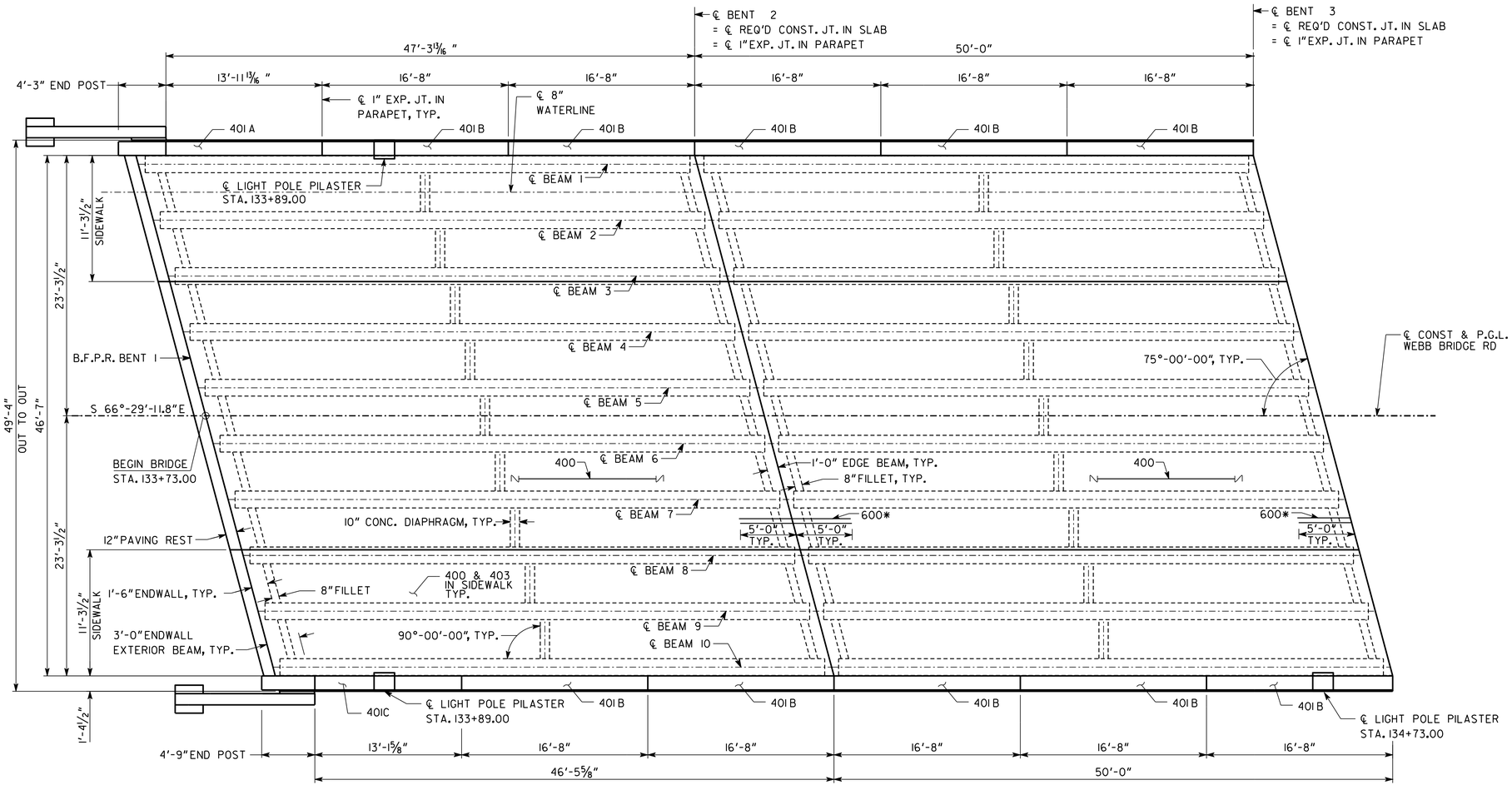
GENERAL NOTES
WEBB BRIDGE ROAD OVER BIG CREEK
FULTON COUNTY

DRAWING NO. 35-0002
BRIDGE SHEET 2 OF 13

REVISIONS | BY | DATE

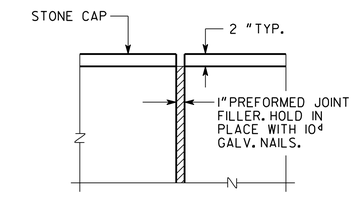
SCALE: NO SCALE | SEPT 2022
DESIGNED RK | DRAWN AN | CHECKED DM | DESIGN GROUP | REVIEWED | APPROVED

1 INCH WHEN PRINTED FULL SIZE

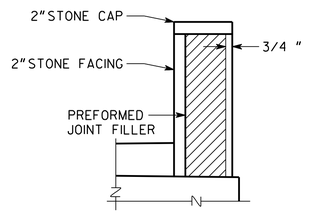


SPAN 1 SPAN 2

DECK PLAN



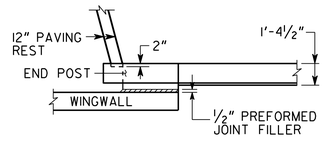
ELEVATION



SIDE ELEVATION

DETAIL OF 1" EXPANSION JOINT IN PARAPET

NO SCALE



END POST DETAIL

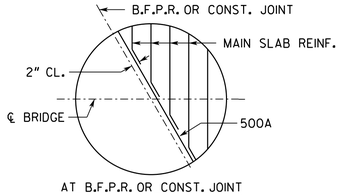
NO SCALE

NOTES:

1. SEE SHEET 35-0005 FOR SECTIONS
2. * 2-600 (10'-0" LONG) BETWEEN 400 BARS IN TOP OF SLAB OVER INTERMEDIATE BENTS 2 AND 3

SUPERSTRUCTURE QUANTITIES				
ITEM	SPAN 1	SPAN 2	SPAN 3	SPAN 4
LUMP - CY SUPERSTR CONCRETE, CLASS D	123.6	115.3	115.3	123.6
LUMP - LB SUPERSTR REINF STEEL	23224	21794	21794	22023

END POST CONCRETE AND BAR REINFORCEMENT STEEL INCLUDED IN SPAN 1 & 4 QUANTITIES.
600 BARS OVER BENT 2 INCLUDED IN SPAN 1 QUANTITIES.
600 BARS OVER BENT 3 INCLUDED IN SPAN 2 QUANTITIES.
600 BARS OVER BENT 4 INCLUDED IN SPAN 3 QUANTITIES.



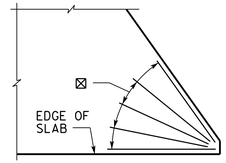
AT B.F.P.R. OR CONST. JOINT

BARS ARE DETAILED IN BAR DETAILS AS EQUIVALENT FULL LENGTH BARS.

SEE SUBSECTION 511.3.05.G.5 OF THE GEORGIA DOT SPECIFICATION FOR PLACEMENT OF 500A BAR.

BAR BENDING DETAILS AT SKEWED JOINTS

NO SCALE



⊠ 5-500B, 10'-0" LONG EACH, IN EACH ACUTE CORNER ADJACENT TO INTERMEDIATE BENTS, TYP.

SKEWED CORNER DETAIL

NO SCALE

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

POND
Architects ▪ Engineers ▪ Planners

GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

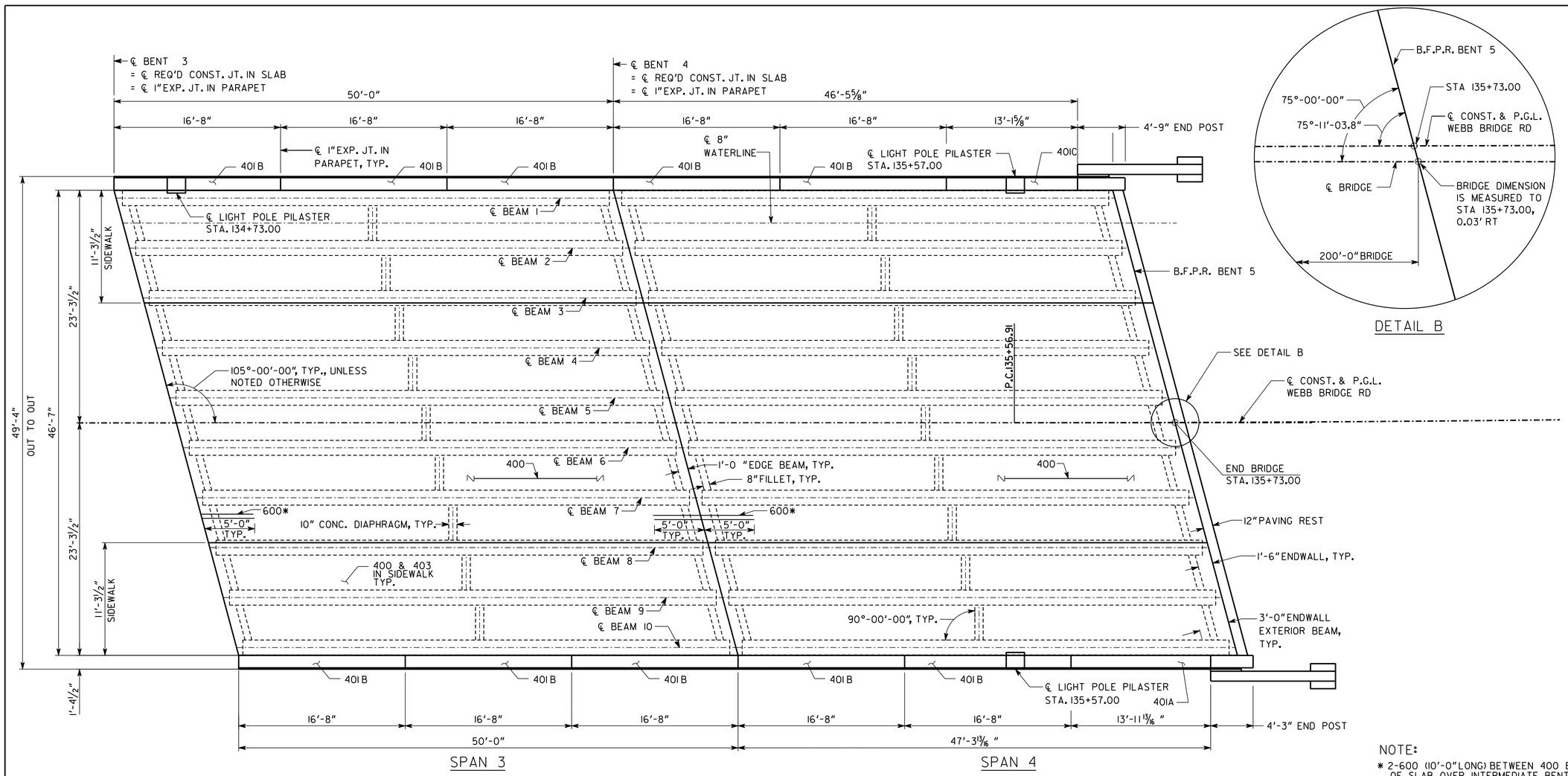
DECK PLAN (SPAN 1 AND 2)
WEBB BRIDGE ROAD OVER BIG CREEK
FULTON COUNTY

DRAWING NO. 35-0003
BRIDGE SHEET 3 OF 13

SCALE: 3/32 " = 1'-0" U.N.O. SEPT 2022

DESIGNED RK CHECKED DM REVIEWED
DRAWN AN DESIGN GROUP APPROVED

DATE | REVISIONS | BY

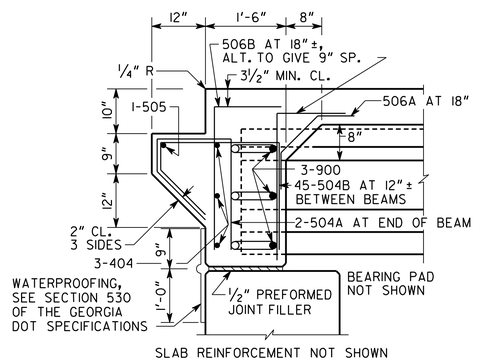


DETAIL B

DECK PLAN

NOTE:

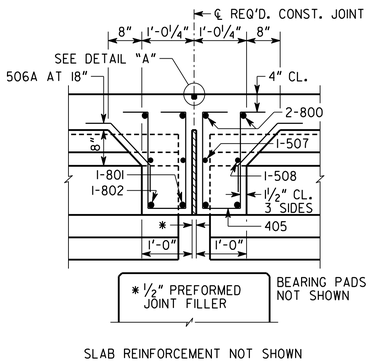
* 2-600 (10'-0"LONG) BETWEEN 400 BARS IN TOP OF SLAB OVER INTERMEDIATE BENTS 3 AND 4



SLAB REINFORCEMENT NOT SHOWN

SECTION THRU ENDWALL

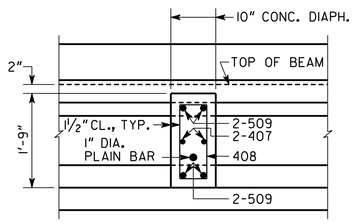
SCALE: ¾" = 1'-0"



SLAB REINFORCEMENT NOT SHOWN

SECTION THRU EDGE BEAM

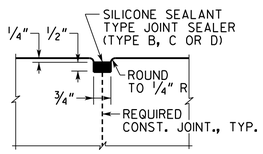
SCALE: ¾" = 1'-0"



SLAB REINFORCEMENT NOT SHOWN

SECTION THRU DIAPHRAGM

SCALE: ¾" = 1'-0"



DETAIL "A"

BRIDGE NO. 1

POND

Architects ▪ Engineers ▪ Planners

GEORGIA

CITY OF ALPHARETTA

PUBLIC WORKS DEPARTMENT

DECK PLAN (SPAN 3 AND 4)

WEBB BRIDGE ROAD OVER BIG CREEK

FULTON COUNTY

SCALE: 3/32 " = 1'-0" U.N.O. SEPT 2022

DESIGNED RK CHECKED DM REVIEWED

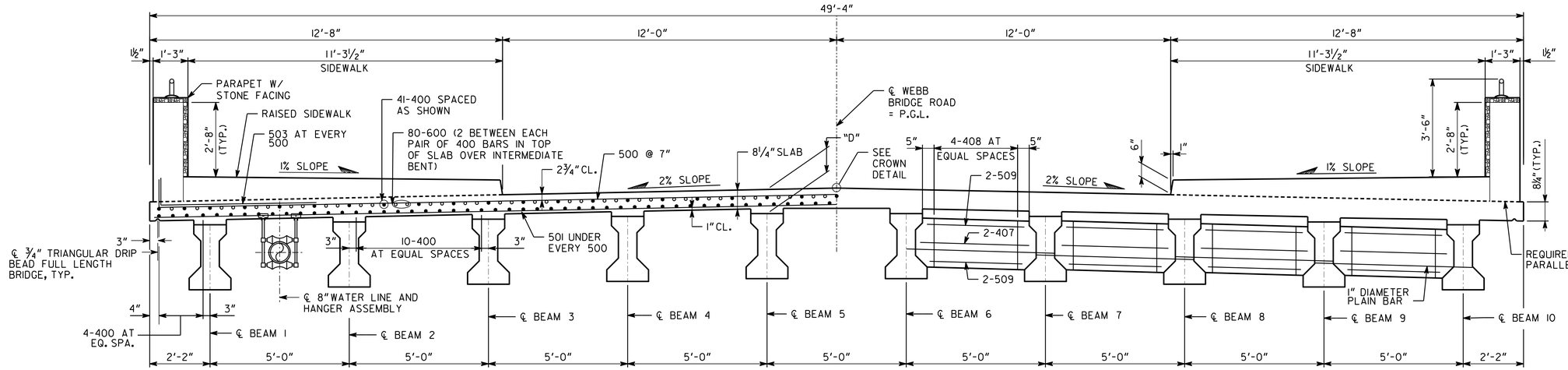
DRAWN AN DESIGN GROUP APPROVED

DRAWING NO. 35-0004

BRIDGE SHEET 4 OF 13

REVISIONS DATE BY

1 INCH WHEN PRINTED FULL SIZE

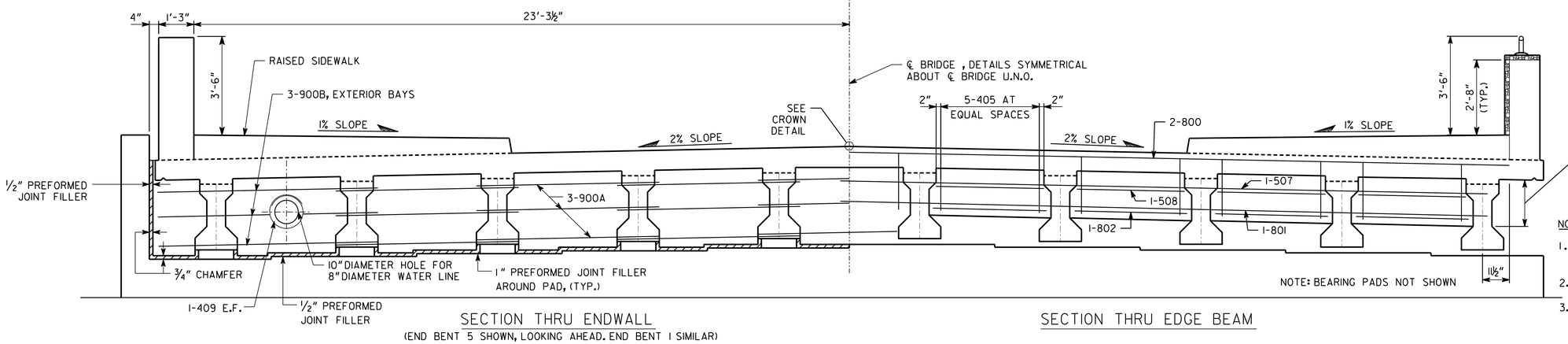


DIMENSION "D" IS MEASURED FROM TOP OF SLAB TO TOP OF BEAMS AT CENTERLINE BEARING. VARY "D" BETWEEN BEARINGS TO COMPENSATE FOR DEAD LOAD DEFLECTION AND VERTICAL CURVE. MAINTAIN A CONSTANT SLAB THICKNESS OF 8¼".

"D"= 10"

SECTION THRU SLAB

SECTION THRU DIAPHRAGM



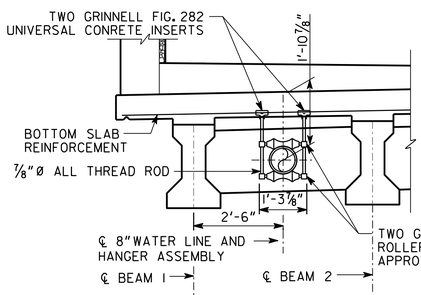
SECTION THRU ENDWALL

(END BENT 5 SHOWN, LOOKING AHEAD. END BENT 1 SIMILAR)

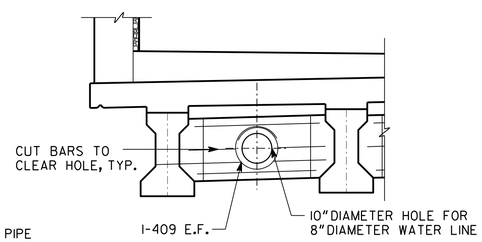
SECTION THRU EDGE BEAM

NOTES:

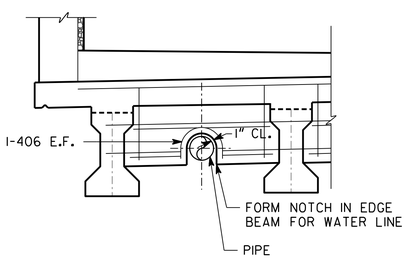
1. BARS 404, 504A, 504B, 505, 506A AND 506B NOT SHOWN
2. LAP 900 BARS 3'-0" MINIMUM
3. FIELD CUT HORIZONTAL AND VERTICAL BARS IN DIAPHRAGMS, ENDWALLS AND EDGE BEAMS TO ACCOMMODATE WATER LINE.
4. * ADJUST LONGITUDINAL DECK STEEL AS REQUIRED TO CLEAR PIPE HANGER HARDWARE



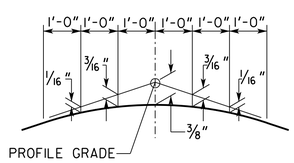
WATER LINE HANGER DETAIL



WATER LINE DETAIL THRU DIAPHRAGM



WATER LINE DETAIL THRU EDGE BEAM



CROWN DETAIL

2% CROSS SLOPE

NOTES:

1. ALL FERROUS METAL COMPONENTS RELATED TO THE ASSEMBLY SHALL BE HOT DIPPED GALVANIZED. ALL FASTENERS (THREADED ROD, BOLTS, NUTS, AND WASHERS) SHALL BE STAINLESS STEEL.
2. INSERTS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. HANGER ASSEMBLY SHALL BE FURNISHED AND INSTALLED BY UTILITY OWNER.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

POND

Architects ▪ Engineers ▪ Planners

GEORGIA

CITY OF ALPHARETTA

PUBLIC WORKS DEPARTMENT

DECK SECTIONS

WEBB BRIDGE ROAD OVER BIG CREEK

FULTON COUNTY

DRAWING NO. 35-0005

BRIDGE SHEET 5 OF 13

REVISIONS

DATE

BY

SCALE: ¼"= 1'-0" U.N.O.

SEPT 2022

DESIGNED RK

DRAWN AN

CHECKED DM

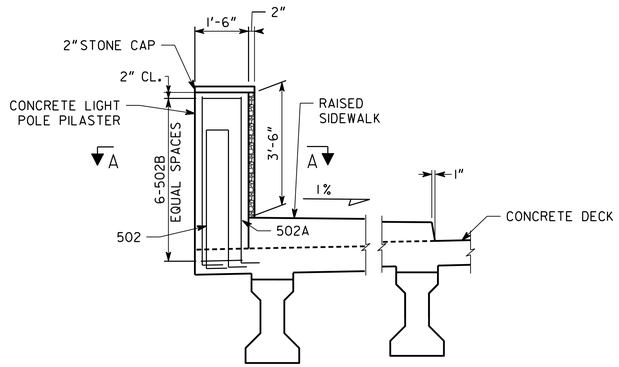
DESIGN GROUP

REVIEWED

APPROVED

NOTES:

1. REINFORCING IN DECK AND RAISED SIDEWALK NOT SHOWN
2. LIGHT POLE NOT SHOWN

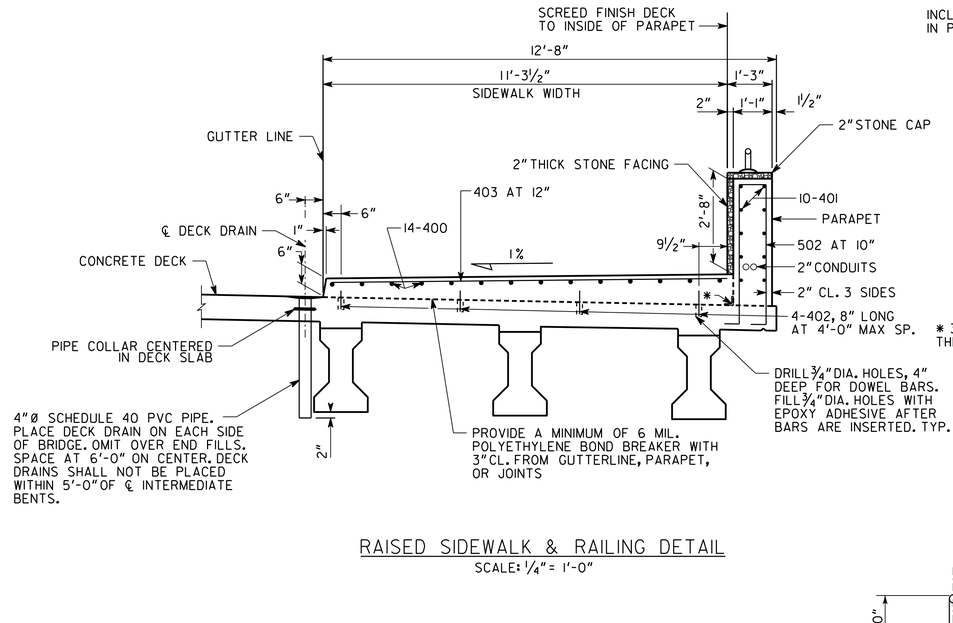


LIGHT POLE PILASTER DETAIL
SCALE: 1/4" = 1'-0"

PLACE TRANSVERSE SIDEWALK MARKINGS ON SIDEWALK SPACED AT 5'-0"±

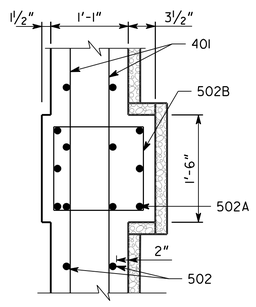
INCLUDE COST FOR PIPE COLLAR IN OVERALL BID SUBMITTED

INCLUDE COST OF BOND BREAKER AND EPOXY ADHESIVE IN PRICE BID FOR SUPERSTRUCTURE ITEMS.

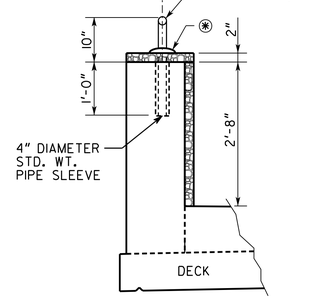


* 3" X 3" WATERPROOFING, SEE SECTION 530 OF THE GEORGIA DOT SPECIFICATIONS.

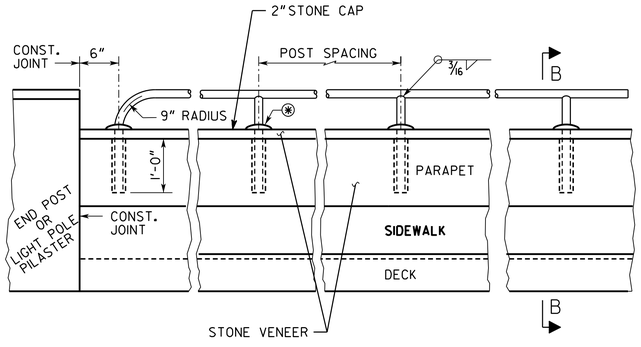
RAISED SIDEWALK & RAILING DETAIL
SCALE: 1/4" = 1'-0"



SECTION A-A
SCALE: 1/2" = 1'-0"



SECTION B-B
NO SCALE



HANDRAIL ATTACHMENT DETAILS
NO SCALE

℗ NON-SHRINK PORTLAND CEMENT GROUT, TROWEL TO PROVIDE POSITIVE DRAINAGE

SPACE POSTS AT A MAX. OF 8'-0" O.C. SPACE POSTS A MIN. OF 1'-6" FROM EXP. JOINT IN PARAPET.

FOR ADDITIONAL DETAILS SEE GA. STD. 9031-R.

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

POND
Architects ▪ Engineers ▪ Planners

GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

MISCELLANEOUS SUPERSTRUCTURE DETAILS
WEBB BRIDGE ROAD OVER BIG CREEK

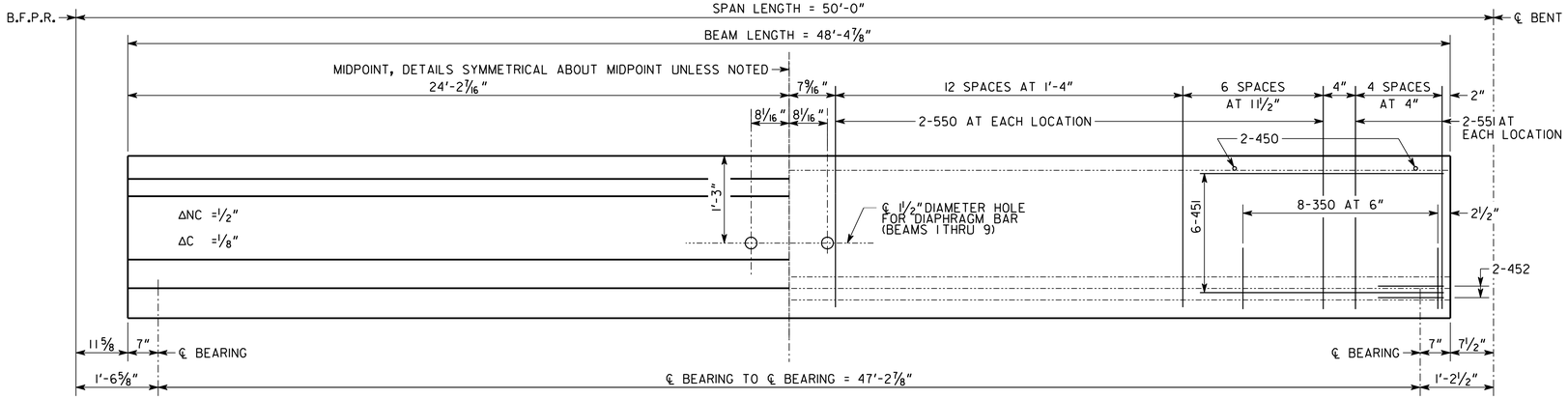
FULTON COUNTY

DRAWING NO. 35-0006
BRIDGE SHEET 6 OF 13

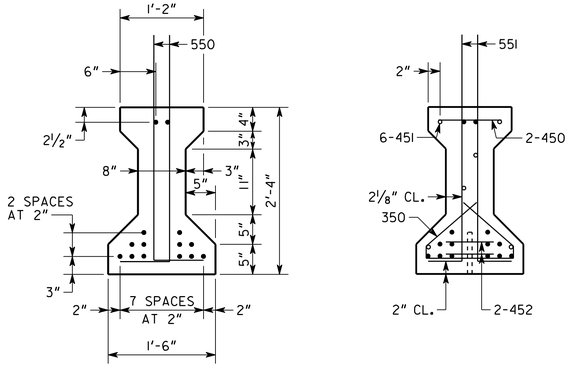
REVISIONS | BY | DATE

SCALE: AS NOTED | SEPT 2022

DESIGNED RK | CHECKED DM | REVIEWED
DRAWN AN | DESIGN GROUP | APPROVED



ELEVATION



MAINTAIN 1" MINIMUM CLEARANCE UNLESS OTHERWISE SHOWN.
• INDICATES 1/2" DIAMETER PRESTRESSED STRANDS.

SECTION AT MIDPOINT SECTION AT END

NOTES

1. BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 3'-6" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.

2. CHAMFER EDGES OF BEAMS 1/2" OR 3/4".

3. HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE 1/8" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.

4. AT ℄ BEARING, FORM A 1 3/4" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 4" X 1 3/4" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1 1/2" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.

5. TOPS OF BEAMS SHALL BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY 1/4". CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.

6. ALL HOLES FORMED INTO THE BEAMS TO FACILITATE TRANSPORT SHALL BE FILLED AND GIVEN A TYPE I FINISH, PRIOR TO ACCEPTANCE OF THE BEAM. REMOVE PVC OR SIMILAR FORMING MATERIALS FROM EACH HOLE, EXPOSING THE CONCRETE SURFACE. COAT INTERIOR OF HOLE WITH A TYPE II EPOXY RESIN ADHESIVE IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATION 886 AND FILL WITH A RAPID SETTING PATCHING MATERIAL IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATION 934.

7. NON-COMPOSITE DEAD LOAD DEFLECTION (ΔNC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF THE SLAB AND COPING.

8. COMPOSITE DEAD LOAD DEFLECTION (ΔC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER.

9. STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.

10. PRESTRESSING DATA IS AS FOLLOWS:

    A. USE 14 - 0.6 " DIAMETER SPECIAL LOW-RELAXATION (A = 0.217 SQ IN) STRANDS. PRETENSION STRANDS TO 43,943 LBS EACH.

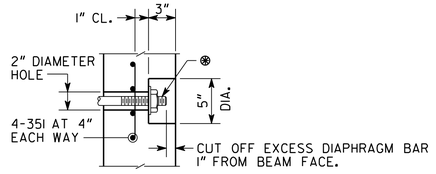
    B. PRETENSIONED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f'_{ci}) OF 6,000 PSI.

    C. INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 615,195 LBS.

    D. INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 502,845 LBS.

11. CONCRETE STRENGTH (f'_c) = 8,500 PSI.

12. ALLOWABLE PSC BEAM TENSION = 553 PSI.



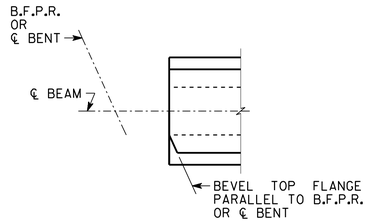
⊛ DIAPHRAGM BAR SHALL BE A 1" DIAMETER PLAIN BAR, THREADED 5" ON EACH END, WITH 1/4" X 3 1/2" DIAMETER WASHERS AND HEX NUTS (ASTM A 709 GRADE 36).

DIAPHRAGM BAR SHALL BE TIGHTENED AS PER SUB-SECTION 507.3.05.C OF THE GEORGIA DOT SPECIFICATIONS.

AFTER EXCESS DIAPHRAGM BAR HAS BEEN CUT OFF, END OF DIAPHRAGM BAR, WASHER, AND NUT EXPOSED IN RECESS SHALL BE PAINTED WITH SPECIAL PROTECTIVE COATING NO. 2 P AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. AFTER PAINTING, THE RECESS SHALL BE FILLED WITH AN APPROVED EPOXY GROUT.

GALVANIZING OF DIAPHRAGM BAR AS PER SUB-SECTION 865.2.01.B.12 OF THE GEORGIA DOT SPECIFICATIONS IS NOT REQUIRED.

RECESS DETAIL FOR DIAPHRAGM BAR ENDS



BEVEL DETAILS

REINFORCEMENT

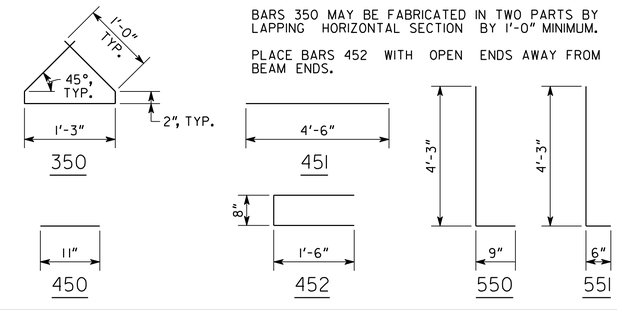
ALL BAR DIMENSIONS ARE OUT TO OUT.

AT THE TOP OF THE BEAM, BARS 550 AND 551 SHALL BE FIELD BENT OR SHOP BENT 90°, SUCH THAT THE HORIZONTAL LEG EXTENDS BETWEEN TOP AND BOTTOM MATS OF SLAB REINFORCEMENT.

SLIGHTLY SHIFT OR SLOPE BARS 451 TO AVOID CONFLICT WITH STRANDS.

BARS 350 MAY BE FABRICATED IN TWO PARTS BY LAPPING HORIZONTAL SECTION BY 1'-0" MINIMUM.

PLACE BARS 452 WITH OPEN ENDS AWAY FROM BEAM ENDS.



BRIDGE NO. 1

POND
Architects • Engineers • Planners

GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

AASHTO TYPE I MODIFIED BEAM (SPAN 1&4)
WEBB BRIDGE ROAD OVER BIG CREEK

FULTON COUNTY

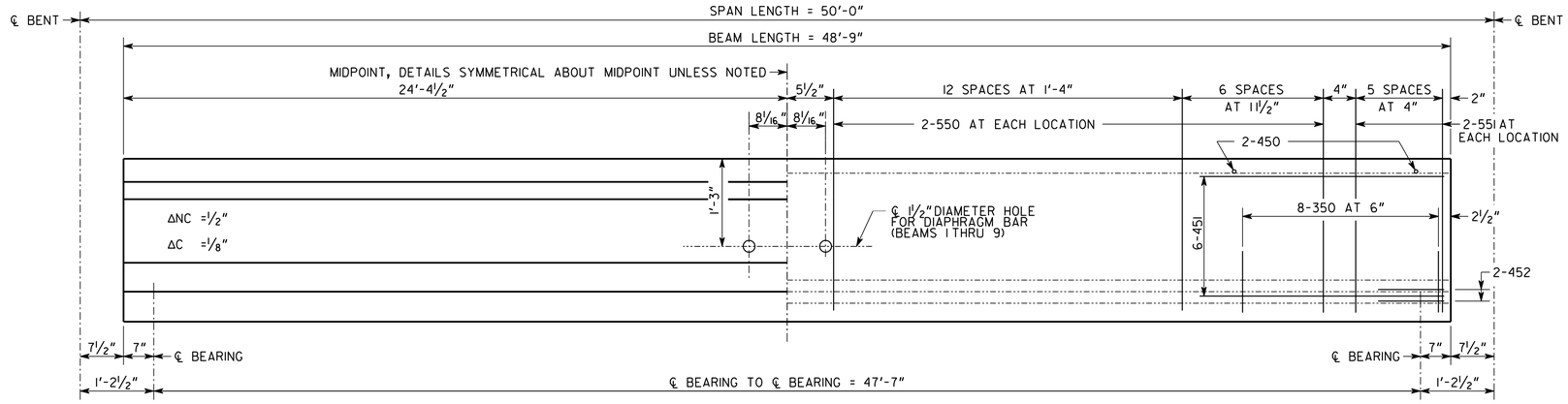
DRAWING NO. 35-0007
BRIDGE SHEET 7 OF 13

SCALE: NO SCALE SEPT 2022

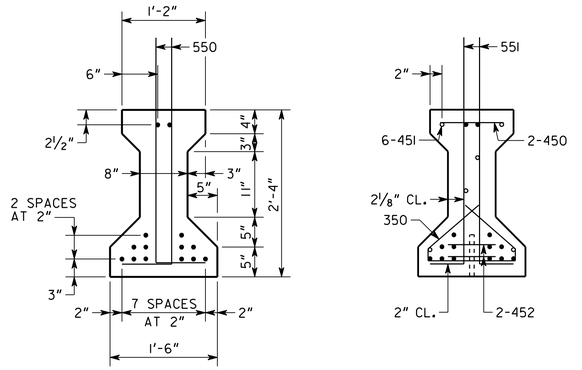
DESIGNED RK CHECKED DM REVIEWED
DRAWN AN DESIGN GROUP APPROVED

BY | REVISIONS | DATE

1 INCH WHEN PRINTED FULL SIZE



ELEVATION



MAINTAIN 1" MINIMUM CLEARANCE UNLESS OTHERWISE SHOWN.
• INDICATES ½" DIAMETER PRESTRESSED STRANDS.

SECTION AT MIDPOINT SECTION AT END

NOTES

1. BEAMS SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES AND SHALL BE PICKED UP WITHIN 3'-6" FROM THEIR ENDS. DISREGARDING THIS REQUIREMENT COULD LEAD TO COLLAPSE OF THE BEAM. PICK-UPS SHALL BE EMBEDDED TO WITHIN 4" OF THE BOTTOM OF THE BEAM. DETAILS OF PICK-UPS SHALL BE INCLUDED IN THE SHOP DRAWINGS.

2. CHAMFER EDGES OF BEAMS ½" OR ¾".

3. HORIZONTAL DIMENSIONS ARE IN PLACE DIMENSIONS. THE BEAM LENGTH INCLUDES THE ⅛" EPOXY MORTAR AT EACH END. SHOP DRAWINGS SHALL ADJUST HORIZONTAL DIMENSIONS FOR GRADE AND FABRICATION EFFECTS SUCH AS SHRINKAGE AND ELASTIC SHORTENING.

4. AT ℄ BEARING, FORM A 1¾" DIAMETER X 7" DEEP HOLE AT THE FIXED ENDS AND A 4" X 1¾" X 7" DEEP SLOT AT THE EXPANSION ENDS FOR A 1½" DIAMETER SMOOTH DOWEL. SEE PLAN AND ELEVATION SHEET FOR LOCATION OF FIXED AND EXPANSION ENDS.

5. TOPS OF BEAMS SHALL BE ROUGH FLOATED AT APPROXIMATELY THE TIME OF INITIAL SET. ENTIRE TOP SHALL BE SCRUBBED TRANSVERSELY WITH A COARSE BRUSH TO REMOVE ALL LAITANCE AND TO PRODUCE A ROUGHENED SURFACE FOR BONDING TO THE SLAB. ROUGHENED SURFACE SHALL HAVE AN AMPLITUDE OF APPROXIMATELY ¼". CONCRETE FINS OR PROJECTIONS SHALL BE REMOVED TO PRODUCE A VERTICAL FACE AT THE EDGE OF THE BEAM.

6. ALL HOLES FORMED INTO THE BEAMS TO FACILITATE TRANSPORT SHALL BE FILLED AND GIVEN A TYPE I FINISH, PRIOR TO ACCEPTANCE OF THE BEAM. REMOVE PVC OR SIMILAR FORMING MATERIALS FROM EACH HOLE, EXPOSING THE CONCRETE SURFACE. COAT INTERIOR OF HOLE WITH A TYPE II EPOXY RESIN ADHESIVE IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATION 886 AND FILL WITH A RAPID SETTING PATCHING MATERIAL IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATION 934.

7. NON-COMPOSITE DEAD LOAD DEFLECTION (ΔNC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF THE SLAB AND COPING.

8. COMPOSITE DEAD LOAD DEFLECTION (ΔC) AT THE MIDPOINT IS DUE TO THE WEIGHT OF BARRIER.

9. STRANDS SHALL MEET ALL REQUIREMENTS OF ASTM A 416 GRADE 270.

10. PRESTRESSING DATA IS AS FOLLOWS:

    A. USE 14 - 0.6 " DIAMETER SPECIAL LOW-RELAXATION (A = 0.217 SQ IN) STRANDS. PRETENSION STRANDS TO 43,943 LBS EACH.

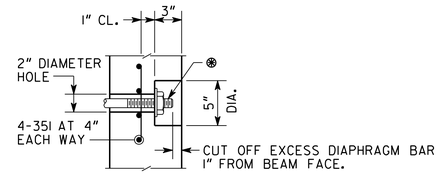
    B. PRETENSIONED STRANDS SHALL BE RELEASED AFTER THE CONCRETE HAS REACHED A MINIMUM STRENGTH (f'_{ci}) OF 6,000 PSI.

    C. INCLUDING THE TOP STRANDS, THE TOTAL JACKING FORCE OF PRETENSIONING IS 615,195 LBS.

    D. INCLUDING THE TOP STRANDS, THE NET PRESTRESSING FORCE OF THE STRANDS AFTER ALL LOSSES IS 502,905 LBS.

11. CONCRETE STRENGTH (f'_c) = 8,500 PSI.

12. ALLOWABLE PSC BEAM TENSION = 553 PSI.



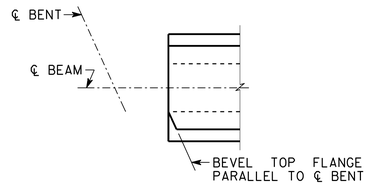
⊛ DIAPHRAGM BAR SHALL BE A 1" DIAMETER PLAIN BAR, THREADED 5" ON EACH END, WITH ¼" X 3½" DIAMETER WASHERS AND HEX NUTS (ASTM A 709 GRADE 36).

DIAPHRAGM BAR SHALL BE TIGHTENED AS PER SUB-SECTION 507.3.05.C OF THE GEORGIA DOT SPECIFICATIONS.

AFTER EXCESS DIAPHRAGM BAR HAS BEEN CUT OFF, END OF DIAPHRAGM BAR, WASHER, AND NUT EXPOSED IN RECESS SHALL BE PAINTED WITH SPECIAL PROTECTIVE COATING NO. 2 P AS PER SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS. AFTER PAINTING, THE RECESS SHALL BE FILLED WITH AN APPROVED EPOXY GROUT.

GALVANIZING OF DIAPHRAGM BAR AS PER SUB-SECTION 865.2.01.B.12 OF THE GEORGIA DOT SPECIFICATIONS IS NOT REQUIRED.

RECESS DETAIL FOR DIAPHRAGM BAR ENDS



BEVEL DETAILS

REINFORCEMENT

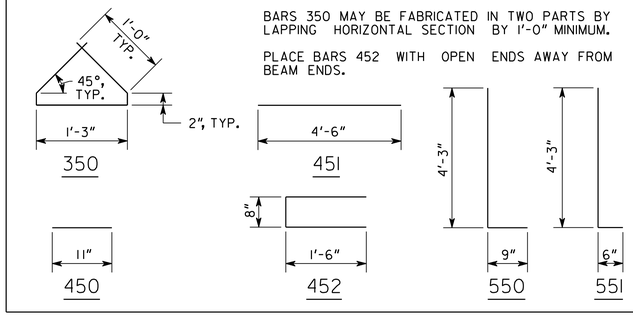
ALL BAR DIMENSIONS ARE OUT TO OUT.

AT THE TOP OF THE BEAM, BARS 550 AND 551 SHALL BE FIELD BENT OR SHOP BENT 90°, SUCH THAT THE HORIZONTAL LEG EXTENDS BETWEEN TOP AND BOTTOM MATS OF SLAB REINFORCEMENT.

SLIGHTLY SHIFT OR SLOPE BARS 451 TO AVOID CONFLICT WITH STRANDS.

BARS 350 MAY BE FABRICATED IN TWO PARTS BY LAPPING HORIZONTAL SECTION BY 1'-0" MINIMUM.

PLACE BARS 452 WITH OPEN ENDS AWAY FROM BEAM ENDS.



BRIDGE NO. 1

POND
Architects ▪ Engineers ▪ Planners

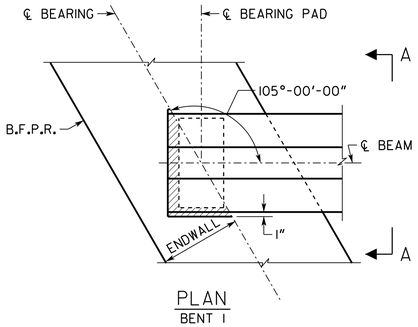
GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

AASHTO TYPE I MODIFIED BEAM (SPAN 2&3)
WEBB BRIDGE ROAD OVER BIG CREEK

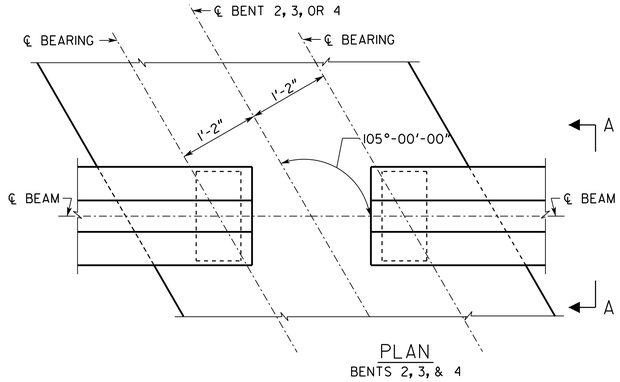
FULTON COUNTY

DRAWING NO. 35-0008	DATE / REVISIONS / BY	SCALE: NO SCALE	SEPT 2022
BRIDGE SHEET 8 OF 13		DESIGNED RK · DRAWN AN · CHECKED DM · DESIGN GROUP · REVIEWED · APPROVED	

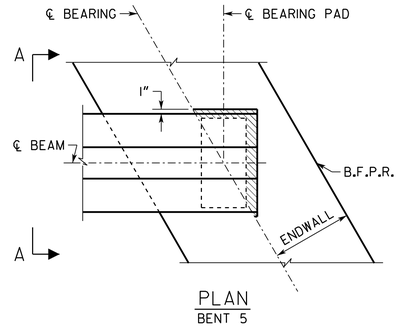
1 INCH WHEN PRINTED FULL SIZE



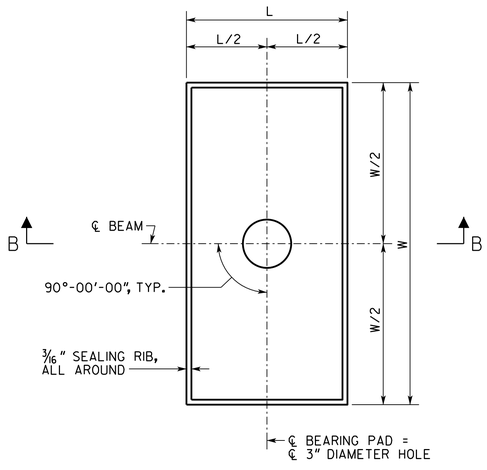
PLAN
BENT 1



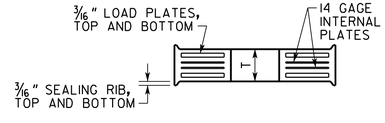
PLAN
BENTS 2, 3, & 4



PLAN
BENT 5

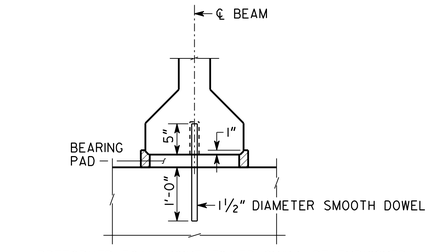


PLAN



SECTION B-B

BEARING PAD



▨ PREFORMED FOAM JOINT FILLER SHALL BE FURNISHED IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

SECTION A-A

BENT	BEARING PADS							
						DESIGN LOADS (KIPS)		
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD
1	16"	9"	2¾"	2	⅝"	36	47	83
2	16"	9"	2¾"	2	5/16"	36	47	83
3	16"	9"	2¾"	2	0"	36	47	83
4	16"	9"	2¾"	2	5/16"	36	47	83
5	16"	9"	2¾"	2	⅝"	36	47	83

NOTES

1. BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 14.7.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 18, BEARING DEVICES.
2. 1½" DIAMETER SMOOTH DOWELS SHALL BE ASTM A709 GRADE 50.
3. BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
4. 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
5. BEARING PADS SHALL HAVE ¼" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
6. 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A709 GRADE 36 OR ASTM A1011 GRADE 36.
7. NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
8. USE OF 1½° MOLD DRAFT IS OPTIONAL.

BRIDGE NO. 1

POND
Architects ▪ Engineers ▪ Planners

GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

BEARING DETAILS
WEBB BRIDGE ROAD OVER BIG CREEK
FULTON COUNTY

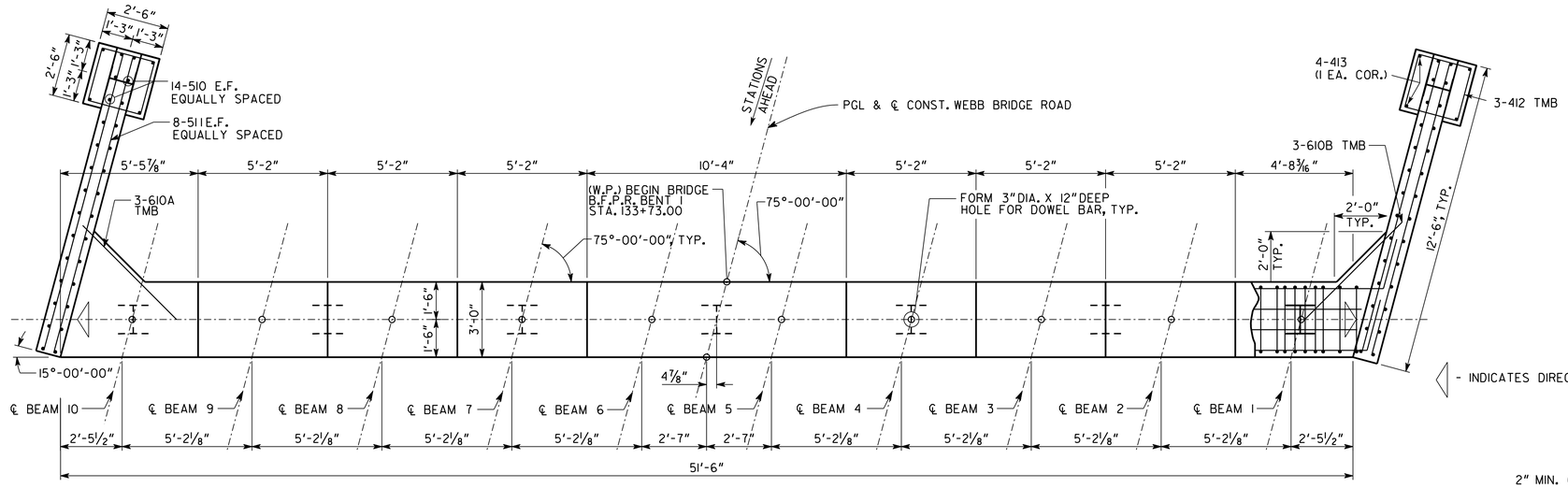
DRAWING NO. 35-0009
BRIDGE SHEET 9 OF 13

SCALE: NO SCALE
SEPT 2022

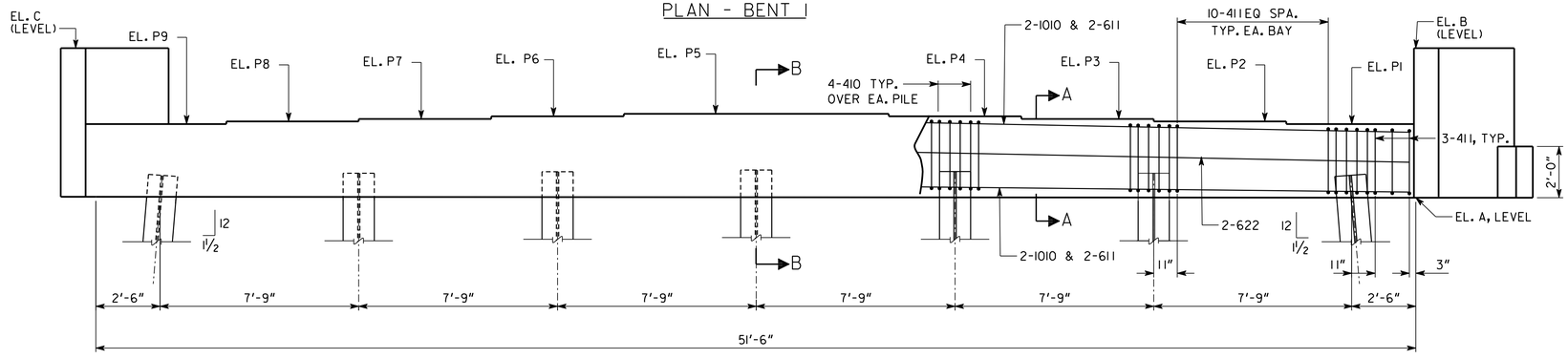
DESIGNED RK | CHECKED DM | REVIEWED
DRAWN AN | DESIGN GROUP | APPROVED

REVISIONS | BY | DATE

1 INCH WHEN PRINTED FULL SIZE

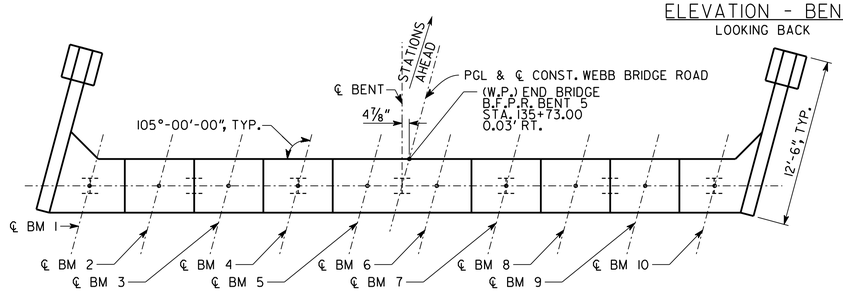


PLAN - BENT I

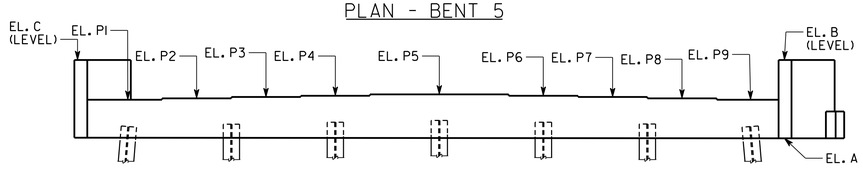


ELEVATION - BENT I

LOOKING BACK



PLAN - BENT 5



ELEVATION - BENT 5

LOOKING AHEAD

NOTES:

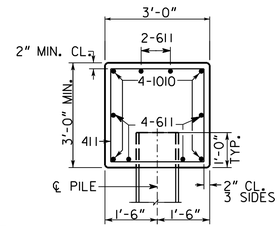
1. POUR WINGWALLS MONOLITHICALLY WITH CAP.
2. TOP AND BOTTOM OF WINGWALLS ARE LEVEL.
3. SEE GA. STD. 9037 FOR DRAINAGE DETAILS AT END BENT.

PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 193 KIPS

ALL PILES SHALL BE STEEL H, HP 12 X 53

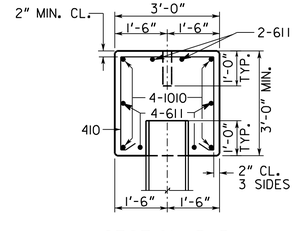
PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 313 KIPS AT BENT I AND 320 KIPS AT BENT 5 AFTER A MINIMUM TIP ELEVATION OF 951 AT BENT I AND 954 AT BENT 5 IS ACHIEVED.



SECTION A-A

¼" = 1'-0"



SECTION B-B

¼" = 1'-0"

SUBSTRUCTURE QUANTITIES		
ITEM	BENT I	BENT 5
CY CLASS A CONCRETE	26.7	26.7
LB BAR REINF STEEL	2967	2967

TABLE OF BEAM SEAT ELEVATIONS

	P1	P2	P3	P4	P5	P6	P7	P8	P9
BENT I	987.38	987.48	987.59	987.69	987.79	987.71	987.61	987.51	987.42
BENT 5	987.31	987.40	987.49	987.59	987.67	987.57	987.47	987.36	987.25

TABLE OF BENT CAP ELEVATIONS

	EL. A	EL. B	EL. C
BENT I	984.38	991.57	991.61
BENT 5	984.25	991.41	991.47

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. I

POND

Architects ▪ Engineers ▪ Planners

GEORGIA

CITY OF ALPHARETTA

PUBLIC WORKS DEPARTMENT

END BENT DETAILS

WEBB BRIDGE ROAD OVER BIG CREEK

FULTON COUNTY

DRAWING NO. 35-0010

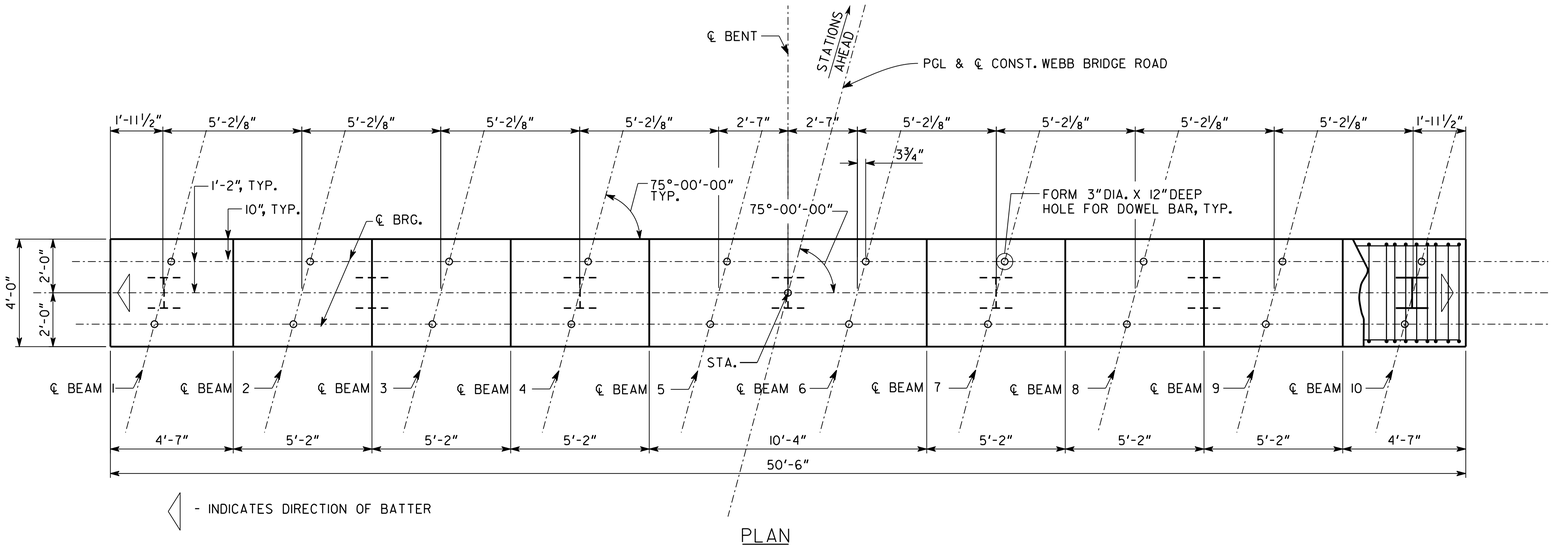
BRIDGE SHEET 10 OF 13

SCALE: ⅜" = 1'-0" U.N.O.

SEPT 2022

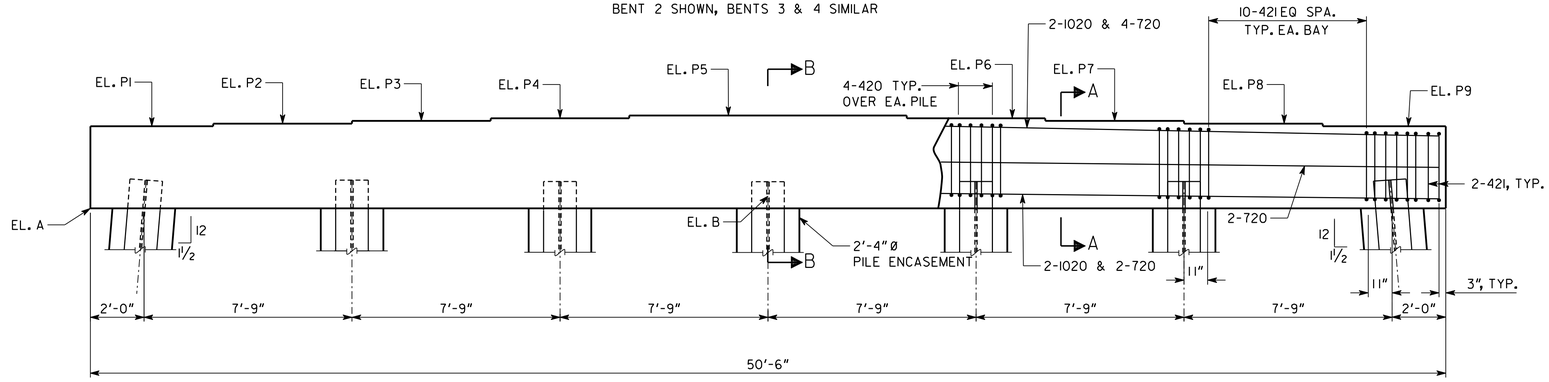
DESIGNED	RK	CHECKED	DM	REVIEWED	
DRAWN	AN	DESIGN GROUP		APPROVED	

REVISIONS — DATE — BY

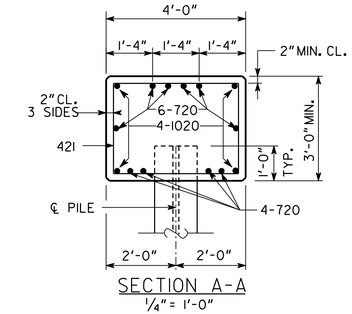


PLAN

BENT 2 SHOWN, BENTS 3 & 4 SIMILAR

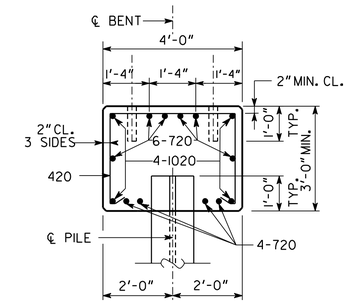


ELEVATION



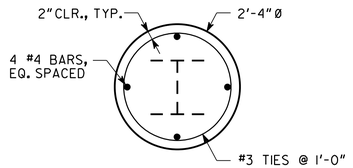
SECTION A-A

¼"= 1'-0"



SECTION B-B

¼"= 1'-0"



SECTION C-C THRU PILE ENCASEMENT

NOT TO SCALE

NOTES:

1. ALL PILES SHALL BE STEEL H, HP 14 X 89.

SUBSTRUCTURE QUANTITIES			
ITEM	BENT 2	BENT 3	BENT 4
CY CLASS A CONCRETE	24.1	24.0	24.1
LB BAR REINF STEEL	2682	2682	2682

TABLE OF BENT CAP ELEVATIONS	
	EL. A
BENT 2	984.53
BENT 3	984.59
BENT 4	984.46

TABLE OF BEAM SEAT ELEVATIONS										
	STA.	P1	P2	P3	P4	P5	P6	P7	P8	P9
BENT 2	134+23.00	987.53	987.64	987.73	987.84	987.94	987.85	987.75	987.65	987.56
BENT 3	134+73.00	987.60	987.69	987.79	987.89	987.99	987.89	987.79	987.69	987.59
BENT 4	135+23.00	987.50	987.60	987.69	987.79	987.88	987.77	987.67	987.56	987.46

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE SHOWN IN THE TABLE AFTER THE MINIMUM TIP ELEVATION SHOWN IS ACHIEVED

PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 283 KIPS

	DRIVING RESISTANCE (KIPS)	MINIMUM TIP ELEVATION (FT)
BENT 2	443	946
BENT 3	545	935
BENT 4	546	935

1 INCH WHEN PRINTED FULL SIZE

BRIDGE NO. 1

POND

Architects ▪ Engineers ▪ Planners

GEORGIA

CITY OF ALPHARETTA

PUBLIC WORKS DEPARTMENT

BENT 2, 3, & 4 DETAILS

WEBB BRIDGE ROAD OVER BIG CREEK

FULTON COUNTY

DRAWING NO. 35-0011

BRIDGE SHEET 11 OF 13

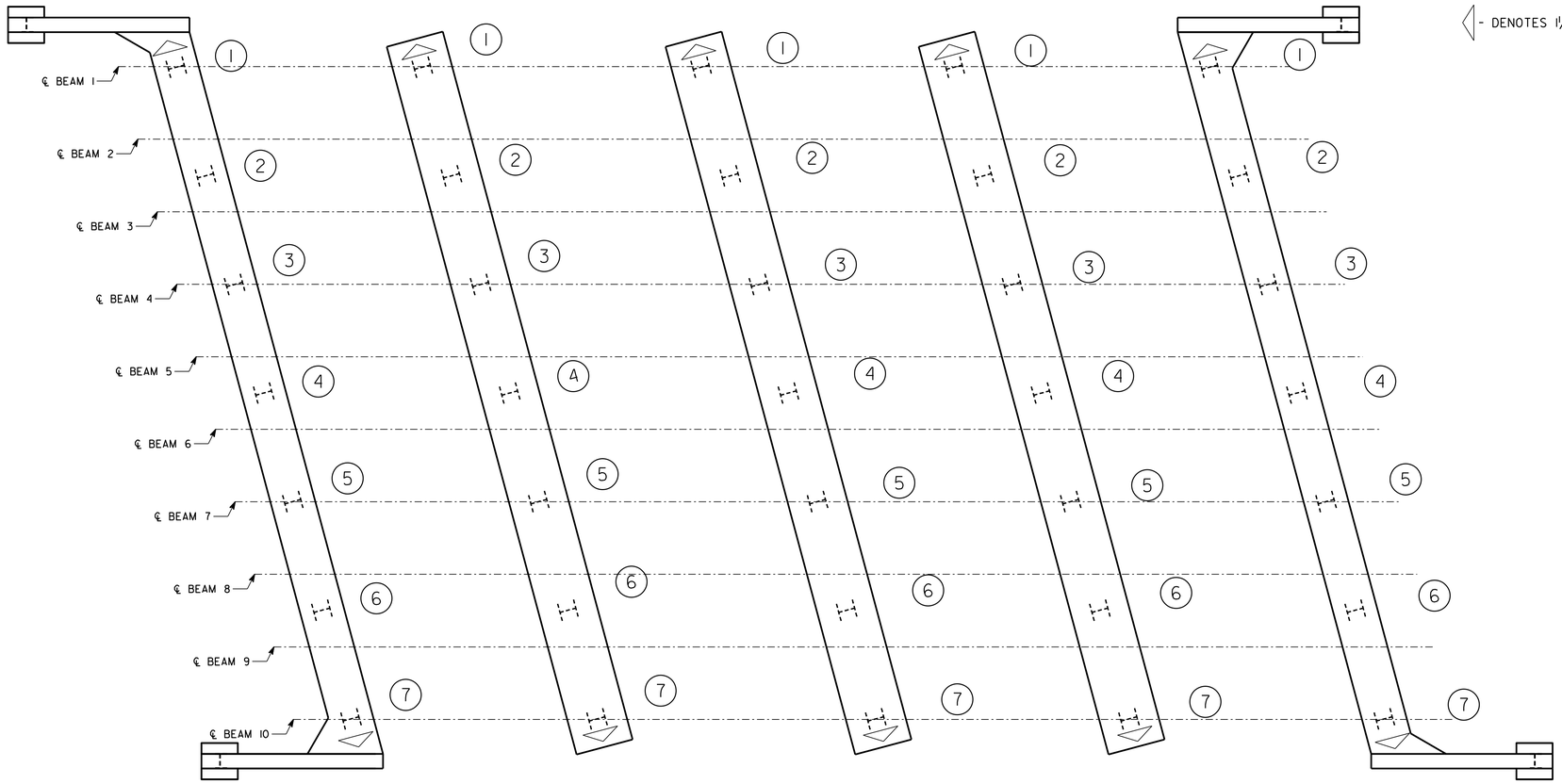
SCALE: 3/16"= 1'-0" U.N.O.

SEPT 2022

DESIGNED RK | CHECKED DM | REVIEWED

DRAWN AN | DESIGN GROUP | APPROVED

REVISIONS | BY | DATE



BENT 1 BENT 2 BENT 3 BENT 4 BENT 5

- DENOTES 1½:12 BATTER (EXTERIOR PILES ONLY)

THIS "AS-BUILT FOUNDATION INFORMATION" SHEET IS TO BE FILLED IN BY THE PROJECT ENGINEER AND THE ENTIRE SHEET FORWARDED TO THE CITY OF ALPHARETTA UPON COMPLETION OF ALL PILE DRIVING FOR POSTING TO THE PLANS AS A PERMANENT RECORD OF THE BRIDGE CONSTRUCTION.

PROJECT ENGINEER _____ DATE _____

(AREA CODE) TELEPHONE NUMBER _____

AS-BUILT FOUNDATION INFORMATION

BENT	PILE LOCATION	PILE TIP ELEVATION
1	LT WINGWALL	
	PILE 1	
	PILE 2	
	PILE 3	
	PILE 4	
	PILE 5	
	PILE 6	
	PILE 7	
	RT WINGWALL	

AS-BUILT FOUNDATION INFORMATION

BENT	PILE LOCATION	PILE TIP ELEVATION
2	PILE 1	
	PILE 2	
	PILE 3	
	PILE 4	
	PILE 5	
	PILE 6	
	PILE 7	

AS-BUILT FOUNDATION INFORMATION

BENT	PILE LOCATION	PILE TIP ELEVATION
3	PILE 1	
	PILE 2	
	PILE 3	
	PILE 4	
	PILE 5	
	PILE 6	
	PILE 7	

AS-BUILT FOUNDATION INFORMATION

BENT	PILE LOCATION	PILE TIP ELEVATION
4	PILE 1	
	PILE 2	
	PILE 3	
	PILE 4	
	PILE 5	
	PILE 6	
	PILE 7	

AS-BUILT FOUNDATION INFORMATION

BENT	PILE LOCATION	PILE TIP ELEVATION
5	LT WINGWALL	
	PILE 1	
	PILE 2	
	PILE 3	
	PILE 4	
	PILE 5	
	PILE 6	
	PILE 7	
	RT WINGWALL	

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0012

BRIDGE SHEET 12 OF 13

BRIDGE NO. 1

POND
Architects ▪ Engineers ▪ Planners

GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

AS-BUILT FOUNDATION INFORMATION
WEBB BRIDGE ROAD OVER BIG CREEK

FULTON COUNTY

SCALE: NO SCALE SEPT 2022

DESIGNED	RK	CHECKED	DM	REVIEWED	
DRAWN	AN	DESIGN GROUP		APPROVED	

REVISIONS | DATE | BY

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
SPAN 1	1																									
		400	49-	8	167	1																				
		401A	13-	6	10	1																				
		401B	16-	3	40	1																				
		401C	12-	8	10	1																				
		402	0-	8	112	1																				
		403	11-	0	102	1																				
		404	51-	1	3	1																				
		405	5-	2	45	31	4	4	0-	9	1-	10	1-	10												
		406	2-	4	2	29			0-	3	0-	7	0-	3												
		407	4-	0	18	1																				
		408	4-	11	36	25	4	4	0-	7	1-	6														
		409	5-	5	4	33			1-	9	0-	7														
		500	50-	9	87	2			48-	9	1-	0	1-	0												
		500A	50-	8	2	1																				
		500B	10-	0	5	1																				
		501	49-	0	87	1																				
		502	9-	1	119	31	4	4	0-	9	3-	8	3-	8												
		502A	11-	4	6	31	4	4	1-	2	4-	7	4-	7												
		502B	5-	8	12	25	4	4	1-	2	1-	2														
		503	5-	11	174	3			4-	11	1-	0														
		504A	5-	2	20	46			2-	2	1-	2	0-	5	1-	0	1-	0								
		504B	6-	2	45	46			2-	2	2-	2	0-	5	1-	0	1-	0								
		505	48-	2	1	1																				
		506A	3-	3	72	6			1-	3	1-	0	0-	0	1-	0									45	45
		506B	4-	1	70	3			2-	10	1-	3														
		507	46-	11	1	1																				
		508	4-	0	9	1																				
		509	3-	6	36	1																				
		600	10-	0	80	1																				
		800	48-	3	2	1																				
		801	46-	11	1	1																				
		802	4-	1	9	1																				
		900A	12-	4	21	16	6	6	2-	8	0-	11	0-	11	3-	11	3-	2								
		900B	10-	4	6	16	6	6	2-	8	0-	11	0-	11	2-	11	2-	2								
SPAN 2 OR 3	2																									
		400	49-	8	167																					
		401B	16-	3	60																					
		402	0-	8	112																					
		403	11-	0	102																					
		405	5-	2	90																					
		406	2-	4	4																					
		407	4-	0	18																					
		408	4-	11	36																					
		409	5-	5	2																					
		500	50-	9	87																					
		500A	50-	8	2																					
		500B	10-	0	10																					
		501	49-	0	87																					
		502	9-	1	126																					
		502A	11-	4	3																					
		502B	5-	8	6																					
		503	5-	11	174																					
		506A	3-	3	72																					
		507	46-	11	2																					
		508	4-	0	18																					
		509	3-	6	36																					
		600	10-	0	80																					

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
SPAN 2 OR 3																										
CONT'D		800	48-	3	4																					
		801	46-	11	2																					
		802	4-	1	18																					
SPAN 4	1																									
		400	49-	8	167																					
		401A	13-	6	10																					
		401B	16-	3	40																					
		401C	12-	8	10																					
		402	0-	8	112																					
		403	11-	0	102																					
		404	51-	1	3																					
		405	5-	2	45																					
		406	2-	4	2																					
		407	4-	0	18																					
		408	4-	11	36																					
		409	5-	5	4																					
		500	50-	9	87																					
		500A	50-	8	2																					
		500B	10-	0	5																					
		501	49-	0	87																					
		502	9-	1	119																					
		502A	11-	4	6																					
		502B	5-	8	12																					
		503	5-	11	174																					
		504A	5-	2	20																					
		504B	6-	2	45																					
		505	48-	2	1																					
		506A	3-	3	72																					
		506B	4-	1	70																					
		507	46-	11	1																					
		508	4-	0	9																					
		509	3-	6	36																					
		800	48-	3	2																					
		801	46-	11	1																					
		802	4-	1	9																					
		900A	12-	4	21																					
		900B	10-	4	6																					
BENT 1 OR 5	2																									
		410	8-	9	28	32	5	5	2-	8	2-	8	2-	8												
		411	11-	5	66	25	4	4	2-	8	2-	8														
		412	9-	5	6	25	4	4	2-	2	2-	2														
		413	1-	8	8	1																				
		510	6-	10	56	1																				
		511	12-	2	32	1																				
		610A	5-	4	3	1																				
		610B	5-	6	3	1																				
		611	51-	2	6	1																				
		1010	54-	6	4	6			51-	10	0-	8	2-	0	0-	0									75	15
BENT 2, 3 OR 4	3																									
		420	9-	9	28	32	5	5	3-	8	2-	8	2-	8												
		421	13-	5	64	25	4	4	3-	8	2-	8														
		720	51-	2	10	1																				
		1020	51-	2	4	1																				

1 INCH WHEN PRINTED FULL SIZE

DRAWING NO. 35-0013

BRIDGE SHEET 13 OF 13

BRIDGE NO. 1

POND

Architects ▪ Engineers ▪ Planners

GEORGIA

CITY OF ALPHARETTA

PUBLIC WORKS DEPARTMENT

BAR REINFORCEMENT DETAILS (1 OF 2)

WEBB BRIDGE ROAD OVER BIG CREEK

FULTON COUNTY

SCALE: NO SCALE

SEPT 2022

DESIGNED	RK	CHECKED	DM	REVIEWED	
DRAWN	AN	DESIGN GROUP		APPROVED	

BY	REVISIONS	DATE

WETLAND 15
PERENNIAL STREAM 16
TOP OF BANK
25' BUFFER
2
DE11524
133+40.51
113.66' LT
REQ'D TESMT
TRACT 1
BIG CREEK
PERENNIAL STREAM 17
LL1242
LL1241
DOWN
BROWN
WRESTED VEGETATION
WRESTED VEGETATION
25' BUFFER
25' BUFFER
INSET A
MATCH LINE STA. 302+00.00
SEE THIS SHEET
N 63°41'34.6
301+00
137+00
138+00
EXIST R/W
LIMITS OF CONSTRUCTION TIE TO EXIST
BEGIN APPROACH SLAB
GA STD 9017K
STA 133+43.00
BEGIN WOOD TOE
SEE SHEET 38-002
STA 134+70.50
OFF 32.50' RT
BEGIN BRIDGE
SEE GRADING PLAN
STA 133+73.00
EXIST R/W
END BRIDGE
STA 135+73.00
P.C. 135+56.81
INTERSECTION
WEBB BRIDGE ROAD
STA. 137+51.09
BTG CREEK GREENWAY
STA. 303+13.77
N:1483494.2662
E:2271295.3666
BEGIN HANDRAIL
138+00.00
28.00 RT
EXIST
WEBB BRIDGE ROAD
303+00
REQ'D R/W
D-2
D-1
E-2
E-1
E-0
F-2
F-1
F-0
S 66°29'11.8" E
16.00
16.37
+/-2.00%
37.00
10.28
47.52
10.27
55.27
+5.14%
+2.00%
-2.00%
1070.00'
18"
WETLAND 14
PERENNIAL STREAM 13
25' BUFFER
TRACT 3 PERMANENT EASEMENT FOR DRAINAGE
TYPE 1 RIPRAP, 36 IN DEPTH W/ FILTER FABRIC, 8 SY
TRACT 5 EASEMENT
TRACT 4 EASEMENT FOR DRAINAGE
FOR FILL IN CREEK SEE WOOD TOE DETAIL SHEET 38-002
END WOOD TOE
STA 134+84.00
OFF 108.00' RT
END APPROACH SLAB
GA STD 9017K
STA 136+03.00
PERENNIAL STREAM 16
TRACT 1 PERMANENT EASEMENT FOR DRAINAGE
TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 8 SY
PT 302+63.16
PC 302+22.72
PI 302+44.12
N 17°21'20.7" E
302+00
BIG CREEK GREENWAY
MATCH LINE STA. 302+00.00
SEE INSET A
137+90.69
TRACT 2 PERMANENT EASEMENT FOR DRAINAGE
TYPE 3 RIPRAP, 18 IN DEPTH W/ FILTER FABRIC, 8 SY
REQ'D R/W
10.5'
10.5'

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

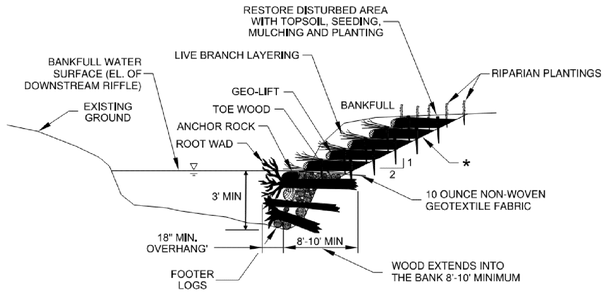
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

SPECIAL CONSTRUCTION DETAIL

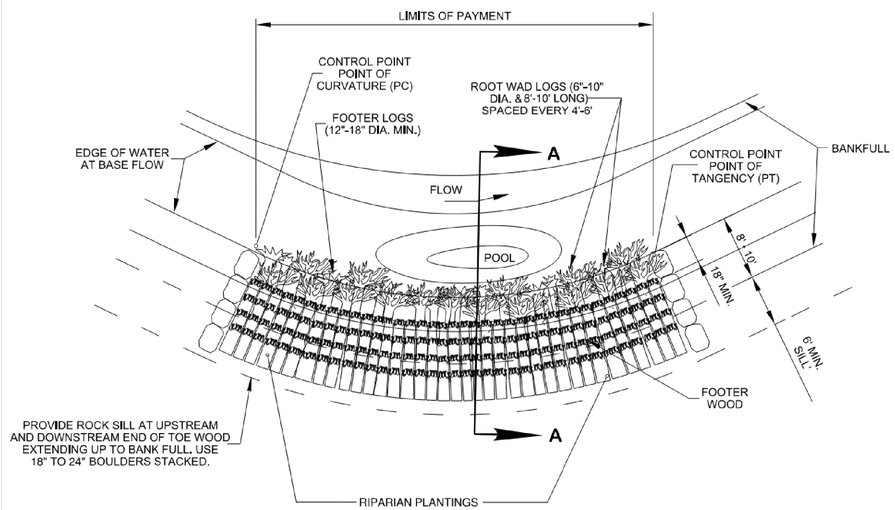
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
38-0001

★ BACKFILL REQUIRED BEHIND TOE WOOD TO FILL REMAINING VOID SHALL BE CONSTRUCTED IN MAXIMUM 8-INCH COMPACTED LIFTS. MINIMUM COMPACTION SHALL BE 85% OF THE SOIL'S MAXIMUM DRY DENSITY OR AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. COMPACTED FILL SHALL BE COMPLETED SO THAT THE SUBGRADE BELOW THE GEOLIFTS IS A MAXIMUM 2:1 SLOPE STARTING FROM THE BACK OF THE TOE WOOD TO THE EXISTING GRADE.

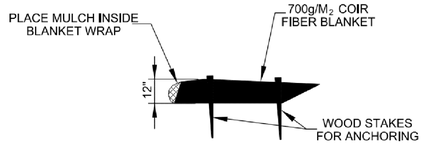


SECTION A-A



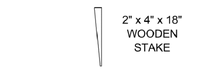
PLAN VIEW

WOOD TOE



REINFORCED EARTH GEO-LIFTS

(AS DIRECTED BY THE ENGINEER)



WOOD STAKE

NOTE: STAKES MAY BE MADE BY SAWING A 2" x 4" DIAGONALLY IN HALF.

WOOD TOE WITH GEO-LIFTS NOTES

(A) WOOD WITH GEO-LIFTS AND LIVE BRUSH LAYERING ARE BANK STABILIZATION MEASURES THAT PROTECT THE STREAM BANK ALONG OUTSIDE MEANDER BENDS FROM EROSION AND ENHANCE THE ESTABLISHMENT AND GROWTH OF NATIVE VEGETATION USING LIVE BRANCHES AND CUTTINGS. WOOD TOE ALSO PROVIDES HABITAT FOR INVERTEBRATES AND FISH AND HELPS TO MAINPOOL DEPTH BY CREATING TURBULENT FLOW AND SCOUR ALONG THE STREAM BED.

(B) WOOD SHOULD BE PALCED AT THE STATIONS, OFFSETS, ELEVATIONS, AND GEOMORPHIC POSITIONS INDICATED IN THE PROJECT PLANS, OR AS DIRECTED BY THE ENGINEER.

(C) WOOD TOE SHALL CONSIST OF A MIX OF ROOT WADS, LOGS, BRANCHES, BRUSH, AND OTHER WOODY VEGETATION INSTALLED AT VARIOUS ANGLE, BUT NOT PARALLEL TO THE FLOW.

(D) A HYDRAULIC EXCAVATOR WITH A HYDRAULIC THUMB SHALL BE USED TO PLACE WOOD AND BOULDERS.

(E) CONSTRUCT WOOD TOE, GEO-LIFTS, AND LIVE BRUSH LAYERING BY:

(1) SHAPE THE CHANNEL AND FLOODPLAIN TO THE SPECIFIED GRADES AND DIMENSIONS.

(2) EXCAVATE THE POOL AND GRADE EXISTING BANK SUBGRADE TO 2:1 (MIN).

(3) FOR WOOD TOE, LAYER THE WOOD WITH LARGER MATERIAL ON THE BOTTOM AND A MAT OF BRANCHES AS THE TOP LAYER. IF USED, ANGLE ROOT WADS SLIGHTLY UPSTREAM INTO THE FLOW. FILL GAPS BETWEEN LARGER MATERIAL WITH A MIX OF BRANCHES AND WOODY DEBRIS. THE TOP TYPE III LAYER OF TOE WOOD SHALL BE AT THE ESTABLISHED NORMAL BASE FLOW ELEVATION (I.E., ELEVATION OF THE DOWNSTREAM RIFFLE). PLACE WOVEN GEOTEXTILE FABRIC ON TOP OF WOOD TOE.

(4) CONSTRUCT GEO-LIFTS AND LIVE BRUSH LAYERING ABOVE WOOD OR BOULDER TOE, AS FOLLOWS:

(a) FOR EACH LIFT, PLACE BRUSH CUTTINGS PERPENDICULAR TO THE BANK AT A DENSITY OF 10-12 STEMS PER FOOT AND COVER WITH 2" OF SOIL.

(b) LAY 700G COIR BLANKETS OVER THE LIVE CUTTINGS PARALLEL TO THE BANK AND SHINGLED IN A DOWNSTREAM DIRECTION.

(c) PLACE SPECIFIED SOIL LIFT OVER THE BACK HALF OF THE COIR BLANKET AND COMPACT WITH THE EXCAVATOR BUCKET.

(d) PLACE CLEAN STRAW OR MULCH ALONG THE FACE OF THE SOIL LIFT, WRAP THE LIFT WITH THE FRONT HALF OF THE COIR BLANKET AND STAKE IN PLACE WITH A MINIMUM OF TWO ROWS OF 2" x 4" x 18" WOOD STAKES AT FIVE-FOOT SPACING.

(e) REPEAT STEPS (a) THROUGH (d) FOR EACH GEO-LIFT SPECIFIED.

(f) PLACE LIVE STAKES OR WOODY PLANTINGS, AS SPECIFIED, ON THE TOP LIFT.

(F) ALL MATERIALS ARE TO BE APPROVED BY ENGINEER OR ENGINEER'S ONSITE CONSTRUCTION OBSERVER.

(G) PAYMENT FOR THE WOOD TOE WITH REINFORCED EARTH AND LIVE BRUSH LAYERING SYSTEM SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION, AND SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBERS:

STREAM MITIGATION - WOOD TOE W/REINFORCED EARTH, *LS*

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

SPECIAL CONSTRUCTION DETAIL

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
38-0002



LOCATION SKETCH

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Fulton County Proposed Waterline Plans

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY - PHASE III

INDEX

44-CS-FC	***Coversheet***
44-000A	***FC Water Notes***
44-000B	***FC Standard Details***
44-000C	***FC Standard Details***
44-000D	***FC Standard Details***
44-0001	***FC Summary of Quantities***
44-0002	***FC Waterline Relocation Plan***
44-0003	***FC Waterline Relocation Plan***
44-0004	***FC Waterline Relocation Plan***
44-0005	***FC Waterline Relocation Plan***
44-0006	***FC Waterline Relocation Plan***
44-0007	***FC Waterline Relocation Plan***
44-0008	***FC Waterline Relocation Plan***

GEORGIA REGISTERED No. 029585 PROFESSIONAL ENGINEER ABUL K. HOWLADER

FULTON COUNTY

DRAWING No.
44-CS-FC

07/31/2015

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Fulton County Proposed Waterline Notes

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

Fulton County Utility Notes:
1. All existing water line; valves, valve boxes, meter boxes shall be field located and verified, including all existing sanitary sewer manholes and clean outs. All sanitary sewer clean outs shall be relocated just outside of the R/W.
2. All existing water line services shall be connected to the newly installed water line and all water service apparatus (WV/WM/etc) shall be adjusted to the proposed grade.
3. All existing water and sanitary sewer utilities locations shown on the construction drawings are approximate locations; therefore, the contractor shall field locate and verify their existing horizontal and vertical locations, prior to the commencement of the project.
4. All Fire Hydrants shall be installed at +/- 400 feet interval along the newly installed water line. Contractor to install air release valves and blow off valves at no additional cost.
5. The Contractor shall install along the new water line isolation Gate Valves at +/- 800 feet interval (i.e. at every other Fire Hydrants).
6. The proposed water line (D.I.P) shall be Pressure Class 350 psi, and thickness Class 51.
7. The minimum cover of four (4) feet is required over the proposed water line from the finished ground and five (5) feet of cover at finished paved surface.
8. All abandoned water lines (larger than 6" ID) shall be filled with flowable fill material.
9. Electronic locater tape to be installed 2 ft above of the pipe. Cost of electronic tape shall be included in the unit cost for installing the waterline.
Fulton County's Standard drawings can be found at, Website:
http://www.fultoncountyga.gov/fcwr-developer-information/fcwr-standard-details
If not found, please contact FC Project Manager.
10. During the construction, any utility conflict(s) that may occur and change the original layout design plans shall be approved by FC Project Manager prior to making the change.
11. All cost associated with saw cut of pavement and required by GDOT or MUTCD shall be included in the unit cost for pipe installation.
12. Contractor to install a concrete bridge for all sanitary sewer lines and laterals located under retaining walls within project limits.
13. Contractor to tie in all sanitary sewer laterals into existing sanitary sewer system. If needed, Contractor to construct doghouse if necessary.
14. If possible, all laterals to be installed above or below storm sewer piping system and maintain adequate slope for proper drainage.
15. FC water meters to be placed at the back of the permenant easement. Backflow preventers to be placed and/or relocated (by others) on private property or as approved by FC Project Manager.
16. As-Built Drawings to be submitted to the County by the Contractor prior to the completion of the project and accepted/approved by FCPW. Acceptance of As-Built Drawings to include final walk-thru with the Contractor and FC representatives before final payment by GDOT; see SP 670.

FULTON COUNTY GENERAL NOTES

1. EXISTING WATER METER LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY EXISTING WATER METER LOCATIONS, PRIOR TO THEIR RELOCATION, DURING CONSTRUCTION. CONTRACTOR SHALL RECONNECT AND/OR CONNECT EXISTING WATER SERCVICE LINES AND WATER METERS TO WATER MAIN. ALL EXISTING WATER LINE SERVICES SHALL BE CONNECTED TO THE NEWLY INSTALLED WATER LINE.

2. ALL EXISTING FIRE HYDRANTS AND VALVES REMOVED DUE TO ROAD CONSTRUCTION SHALL BE DELIVERED TO THE FULTON COUNTY DEPARTMENT OF WATER AND SEWER MAINTENANCE DIVISION.

3. THE CONTRACTOR SHALL NOT INCLUDE THE PAYMENT FOR CUT AND PLUG OF EXISTING PIPE INTO THE LINEAR FEET UNIT PRICE FOR NEW PIPES. THE CONTRACTOR SHALL PROVIDE UNIT PRICE FOR AN ESTIMATED AMOUNT OF CUTS AND PLUGS TO EXISTING WATER PIPE, AND IT SHALL BE INCLUDED IN THE PROJECT'S WATER UTILITY BID ITEM. THE EXISTING PIPES CUT AND PLUG LOCATIONS SHALL BE COORDINATED WITH FULTON COUNTY PROJECT MANAGER PRIOR TO PERFORMING THE WORK.

4. SERVICE TIE-INS FOR COMMERCIAL SITES & SUBDIVISION MAINS MAY BE PERFORMED AT NIGHT AND SHALL BE COORDINATED WITH FULTON COUNTY PROJECT MANAGER.

5. CONTRACTOR IS RESPONSIBLE TO NOTIFY WATER CUSTOMERS AND PUBLIC SEVEN (7) DAYS PRIOR TO WATER SERVICE DISRUPTION, DUE TO PROJECT ACTIVITIES (I.E. WATER MAIN SHUT-OFF, ISOLATION AND SERVICE TIE-IN), IN ACCORDANCE WITH FULTON COUNTY STANDARD.

6. CONTRACTOR SHALL RAISE ALL EXISTING AND NEWLY INSTALLED WATER VALVE BOXES, EXISTING AND NEWLY INSTALLED SANITARY SEWER MANHOLES, EXISTING AND NEWLY INSTALLED WATER METERS TO PROJECT'S FINISH GRADE, INCLUDING ALL EXISTING AND NEWLY INSTALLED FIRE HYDRANTS WITHIN THE PROJECT LIMITS, AS REQUIRED BY FULTON COUNTY STANDARDS AND SPECIFICATIONS.

7. CONTRACTOR SHALL RAISE EXISTING VALVE BOXES AS REQUIRED. IF VALVE BOX BECOMES DEEPER THAN 6', CONTRACTOR SHALL INSTALL STEM EXTENSION (AT NO ADDITIONAL COST) PER FULTON COUNTY STANDARDS AND SPECIFICATIONS.

8. THE CONTRACTOR IS RESPONSIBLE TO PROTECT EXISTING WATER MAINS, VAULTS AND APPURTENANCES DURING PROJECT STAGING, PRIOR TO THE PROJECT START-UP, AND WHILE ROAD WORK CONSTRUCTION ACTIVITIES ARE IN PROGRESS.

WATER/SEWER DISTRIBUTION NOTES

1. ALL WORK ACTIVITIES AND MATERIALS SHALL CONFORM TO CURRENT FULTON COUNTY STANDARDS AND SPECIFICATIONS.

2. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY FULTON COUNTY PUBLIC WORKS DEPARTMENT WATER AND SEWER DIVISION TWENTY FOUR (24) HOURS PRIOR TO THE START OF WATER LINE CONSTRUCTION ACTIVITIES.

3. THE CONSTRACTOR SHALL CONTACT GEORGIA UTILITIES PROTECTION ENTER AT (811), BEFORE INITIATING ANY EXCAVATION. CALL BEFORE YOU DIG.

4. WATER LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF FOUR (4) FEET BELOW THE GROUND SURFACE OF FINISH GRADE, AND MINIMUM OF FIVE (5) FEET BELOW THE ROADWAY PAVEMENT SURFACE.

5. ALL SHORT SIDE WATER SERVICE CONNECTIONS SHALL BE ONE (1) INCH DIAMETER COPPER.

6. ALL LONG SIDE WATER SERVICE CONNECTIONS SHALL BE ONE (1) INCH DIAMETER COPPER.

7. WATER METERS ARE TO BE RELOCATED AT THE OUTER LIMITS OF THE PERMANENT EASEMENT OR JUST OUTSIDE OF THE ROW ON THE SHORT SIDE AND LONG SIDE OF THE WATERLINE.

8. ALL FIRE HYDRANTS ARE TO BE 3-WAY 5-1/4"TYPE, OR AS APPROVED BY FULTON COUNTY PUBLIC WORKS WATER SERVICE DIVISION.

9. CONCRETE VALVE MARKERS ARE TO BE INSTALLED AT ALL WATER VALVES, EXCEPT AT FIRE HYDRANTS PER FULTON COUNTY STANDARDS.

10. CONCRETE BLOCKING SHALL BE PLACED AT ALL BENDS, TEES, FITTINGS AND PLUGS. COST OF CONCRETE FOR THURST BLOCKS AND ANCHORS (COST SHALL BE INCLUDED IN THE BID PRICE FOR THE PIPE) SHALL BE PAID VIA LINE ITEM 500-3101 (CLASS A CONCRETE).

11. THE CONTRACTOR SHALL INSTALL 300 PSI CURB STOPS AND CORPS STOPS AS REQUIRED PER FULTON COUNTY SPECIFICATIONS AND STANDARDS.

12. ALL TAPS SHALL BE DIRECT TAPS, OR AS APPROVED BY FULTON COUNTY PUBLIC WORKS, WATER SERVICE DIVISION.

13. WATER LINE SYSTEMS SHALL BE PRESSURE AND BACTERIA TESTED, BY THE CONTRATOR, PER FULTON COUNTY PUBLIC WORKS, WATER SPECIFICATIONS AND PAID FOR BY THE CONTRACTOR.

14. ALL INSTALLED WATER LINE SYSTEMS WILL NOT BE ACCEPTED BY THE FULTON COUNTY, PUBLIC WORKS, WATER SERVICES DIVISION, AND PROJECT MANAGER, UNLESS THE PROJECT'S WATER LINE AS-BUILT DRAWINGS ARE UPDATED, COMPLETED, AND ARE SUBMITTED, BY THE CONTRACTOR TO THE COUNTY PROJECT MANAGER FOR REVIEW AND APPROVAL. THE COUNTY REVIEW AND APPROVAL PROCESS SHALL INCLUDE ONSITE INSPECTION WALK THROUGH, WITH COUNTY AND CONTRACTOR STAFF, AND THE CONTRACTOR IS REQUIRED TO FURNISH A COPY OF THE SUBMITTED AS-BUILT WATER LINE DRAWINGS ON SITE (SEE SP 670).

15. THE CONTRACTOR SHALL NOTIFY FULTON COUNTY PUBLIC WORKS PROJECT MANAGER OF ANY DESCRIPENCIES PRIOR TO CONSTRUCTION START, DUE TO THE PROJECT'S SITE CURRENT CONDITION.

16. THE CONTRACTOR SHALL RESTRAIN THE CONNECTIONS AT ALL PIPE BENDS FOR PIPES OVER 18 INCHES.

17. ALL TEST ASSOCIATED WITH WATERLINE AND SANITARY SEWER LINE INSTALLATION SHALL BE PAID FOR BY THE CONTRACTOR, INCLUDING SOIL COMPACTION.

18. BEFORE, DURING AND AFTER CONSTRUCTION, BMP SHALL BE MAINTAINED AS PER GDOT/FC SPECIFICATIONS.

19. NO EXTRA PAYMENT SHALL BE MADE FOR ROAD SAW-CUT, ASPHALT REMOVING, GRADING & TRAFFIC CONTROL. ALL ABOVE SHALL BE CONSIDERED LINE ITEMS FOR WATERLINE INSTALLATION. FULTON COUNTY PROJECT MANAGER TO OVERSEE THE INSTALLATION OF PROPOSED WATERLINE.

20. CONTRACTOR TO INSTALL CONCRETE SHOCK COLLAR 2'X2'X12" AROUND ALL FIRE HYDRANTS, AS A PART OF THE TYPICAL FIRE HYDRANT DETAIL.
21. THE EXISTING WATERLINE HORIZONTAL LOCATION AND ALIGNMENT SHOWN ON PROJECT DRAWINGS ARE, AS PER COUNTY GIS AND MAY NOT REFLECT CURRENT SITE CONDITIONS. THEREFORE, PRIOR TO START OF PROPOSED WATERLINE INSTALLATION, CONTRACTOR SHALL FIELD LOCATE (I.E. POT HOLE) TO VERIFY EXISTING WATERLINE DEPTH, AND HORIZONTAL ALIGNMENT.

22. THE CONTRACTOR SHALL INCLUDE IN THEIR SUBMITTED BID DOCUMENTS, A BID ITEM WITH ITS UNIT COST, AND ESTIMATED QUANTITY/HOURS, FOR EXISTING WATERLINE FIELD VERIFICATION, COORDINATION AND LOCATION (SEE NOTE 21).

WATER/SEWER DISTRIBUTION NOTES CONT.

23. ALL INSTALLED VALVES SHALL BE GATE VALVE, EXCEPT AS PRESCRIBED ON PROJECT'S APPROVED DRAWINGS, BY FCPW DEPARTMENT, WATER SERVICE DIVISION.

24. THE CONTRACTOR SHALL RELOCATE EXISTING WATER METERS, WATER VAULTS AND ALL INTERNAL EQUIPMENT, AND COMPONENTS, PER FULTON COUNTY STANDARDS AND SPECIFICATIONS.

25. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PROPOSED WATER LINE INSTALLATION AND STORM WATER CONSTRUCTION TO AVOID POTENTIAL CONFLICTS.

26. RELOCATE EXISTING BACKFLOW PREVENTER, VAULT, METER, VALVES, AND ALL INTERNAL EQUIPMENT AND COMPONENTS PER FULTON COUNTY SPECIFICATIONS AND STANDARDS.

27. CONTRACTOR WILL COORDINATE WATERLINE CONSTRUCTION AND STORM DRAINAGE CONSTRUCTION TO AVOID CONFLICTS.

28. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED ENTIRELY IN PREFABRICATED, 8MIL POLYETHYLENE SLEEVES, WHICH SHALL BE SLIPPED OVER THE PIPE DURING INSTALLATION, OVERLAPPED WHERE NECESSARY, AND SECURED WITH DETECTOR TAPE ALONG THE PIPE.

29. ADDITIONAL NOTES ARE PROVIDED ON THE DRAWINGS.

Fulton County Emergency Contact Numbers:

WATER
24 Hour Contact Phone Number
(770)640-3040

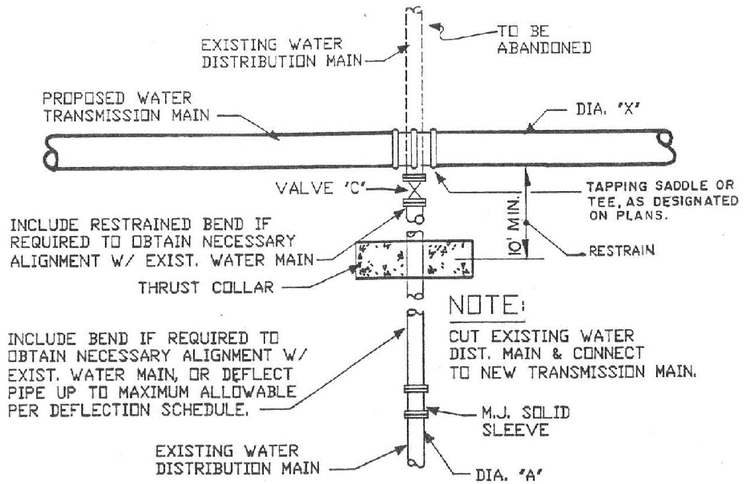
SEWER
24 Hour Contact Phone Number
(404)713-3217

FULTON COUNTY

DRAWING No.
44-000A

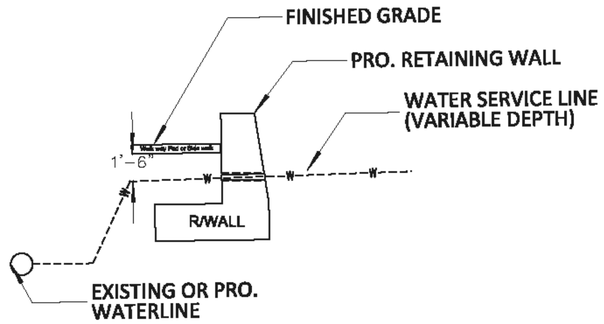
07/31/2015

FULTON COUNTY PUBLIC WORKS
STANDARD DETAILS

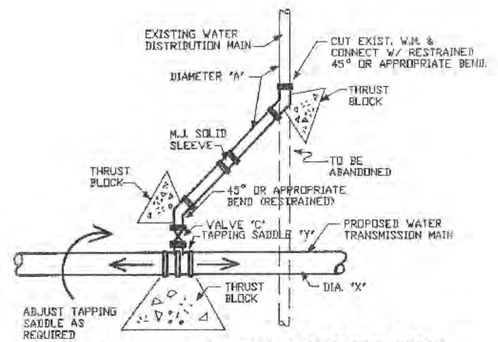


CONNECTION TO EXISTING WATER MAIN

TYPE D



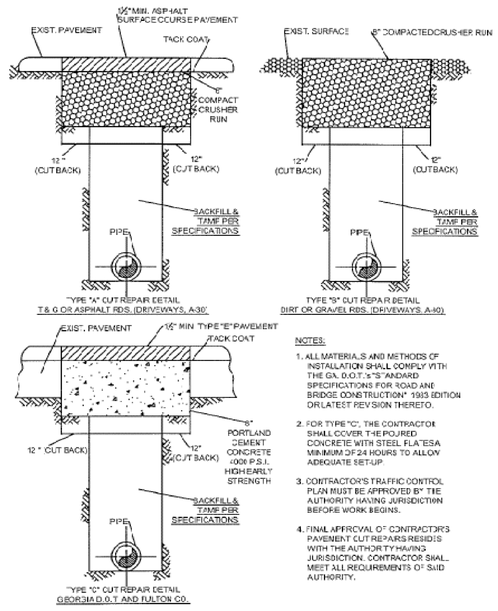
WATER SERVICE LINE FOR R/WALL DETAILS



CONNECTION TO EXISTING WATER MAIN

TYPE C

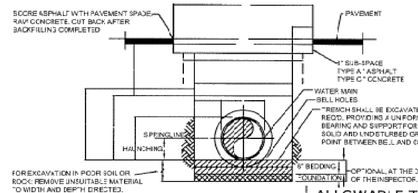
N.T.S.



NOTES:

1. ALL MATERIALS AND METHODS OF INSTALLATION SHALL COMPLY WITH THE GA. D.O.T.'s "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" 1993 EDITION OR LATEST REVISION THERETO.
2. FOR TYPE "C", THE CONTRACTOR SHALL COVER THE POURED CONCRETE WITH STEEL PLATES A MINIMUM OF 24 HOURS TO ALLOW ADEQUATE SET-UP.
3. CONTRACTOR'S TRAFFIC CONTROL PLAN MUST BE APPROVED BY THE AUTHORITY HAVING JURISDICTION BEFORE WORK BEGINS.
4. FINAL APPROVAL OF CONTRACTORS PAVEMENT CUT REPAIRS RESIDES WITH THE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL MEET ALL REQUIREMENTS OF SAID AUTHORITY.

FULTON COUNTY STANDARD DETAIL 109 PAVEMENT CUT REPAIRS TYPE A, B & C	DATE	REVISIONS	DATE	REVISIONS	DGS/DRN/CHKD: CMS APPROVED: REW DATE: 12-2-05	FULTON COUNTY	FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404-730-7400 FAX: 404-224-0468	DRAWING NO. 109



NOTES:

1. COMPACTION: BACKFILLS SHALL BE BUILT UP IN LAYERS AND EACH LAYER SHALL BE THOROUGHLY COMPACTED BEFORE BEGINNING ANOTHER LAYER. LAYERS SHALL BE NO MORE THAN 6"IN DEPTH. PUDDLING WILL NOT BE PERMITTED, NOR WILL FROZEN OR WET MATERIAL BE PLACED IN TRENCHES.
2. COMPACTION STANDARDS: ALL BACKFILL MATERIALS USED SHALL CONTAIN A SUFFICIENT AMOUNT OF MOISTURE FOR PROPER COMPACTION AND THESE MATERIALS SHALL BE COMPACTED AT NOT LESS THAN 95% OF THEIR OPTIMUM COMPACTION FOR ANY SPECIFIC SOIL CLASSIFICATION AS DETERMINED BY THE MODIFIED PROCTOR TEST A.S.T.M. D698.
3. COMPACTION TESTS: COMPACTION TESTS MAY BE REQUIRED IN EXISTING OR PROPOSED STREETS, SIDEWALKS, DRIVES AND OTHER EXISTING OR PROPOSED PAVED AREAS AT VARYING DEPTHS AND AT INTERVALS AS DETERMINED BY THE ENGINEER WITH A MINIMUM OF ONE TEST PER JOB, AND A MAXIMUM OF ONE REQUIRED TEST FOR EACH 400 OR LESS OF WATER MAIN CONSTRUCTION. UNLESS SOIL CONDITIONS OR CONSTRUCTION PRACTICES, IN THE OPINION OF THE ENGINEER, WARRANT THE NEED FOR ADDITIONAL TESTS.
4. NO BOULDERS OR LOOSE ROCKS PERMITTED IN THE BACKFILL AT THE BOTTOM OF PIPE TRENCH TO 2'-0" ABOVE PIPE.
5. ALL DESIGNS BASED ON FULLY COMPACTED BACKFILL AND UNIFORMLY SUPPORTED PIPE.
7. FOR PAVEMENT CUT REPAIRS SEE DRAWING 109.

ALLOWABLE TRENCH WIDTHS

PIPE SIZE (NOM)	A SIDE CLEARANCE INCH		B DITCH WIDTH INCH				C SHORING WIDTH (ADDITIONAL-INCH)	D CUT REPAIR WIDTH FEET			
			SOIL		ROCK			SOIL		ROCK	
	SOIL	ROCK	MJ	SJ	MJ	SJ		MJ	SJ	MJ	SJ
3/4"-2"	2	6	NA	8	NA	14	AS APPROVED	NA	3.00	NA	3.17
4"	9	12	25	23	27	23	AS APPROVED	4.08	3.92	4.25	4.06
6"	9	12	28	28	30	30	AS APPROVED	4.33	4.33	4.50	4.50
8"	9	12	32	30	34	32	AS APPROVED	4.67	4.50	4.83	4.67
10"	9	12	34	32	36	34	AS APPROVED	4.83	4.67	5.00	4.83
12"	9	12	36	34	38	36	AS APPROVED	5.00	4.83	5.17	5.00
14"	9	14	39	36	41	38	AS APPROVED	5.23	5.00	5.42	5.17
16"	9	14	42	38	44	40	AS APPROVED	5.50	5.17	5.57	5.33
20"	9	14	45	44	47	46	AS APPROVED	5.75	5.67	5.92	5.63
24"	9	14	50	48	52	50	AS APPROVED	6.17	6.00	6.33	6.17
30"	9	18	58	54	60	56	AS APPROVED	6.83	6.50	7.00	6.67
36"	9	18	64	61	66	63	AS APPROVED	7.33	7.08	7.50	7.25
42"	9	18	72	64	74	66	AS APPROVED	8.00	7.33	8.17	7.50
48"	9	18	78	73	80	76	AS APPROVED	8.50	8.08	9.34	8.25

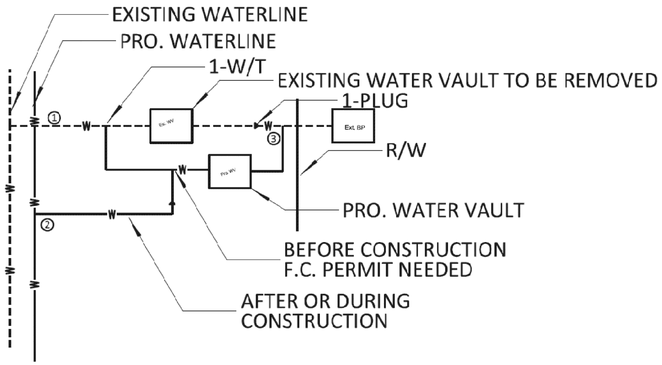
FULTON COUNTY STANDARD DETAIL 103 ALLOWABLE TRENCH WIDTHS	DATE	REVISIONS	DATE	REVISIONS	DGS/DRN/CHKD: CMS APPROVED: REW DATE: 12-2-05	FULTON COUNTY	FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404-730-7400 FAX: 404-224-0468	DRAWING NO. 103

FULTON COUNTY

DRAWING No.
44-000B

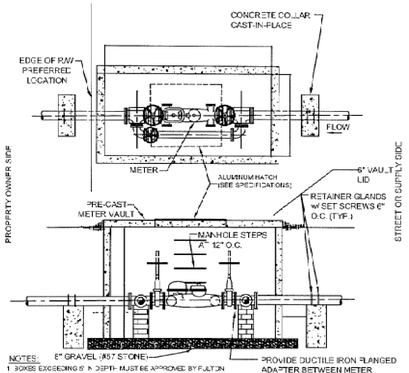
07/31/2015

FULTON COUNTY PUBLIC WORKS
STANDARD DETAILS



SERVICE LINE FOR WATER VAULT DETAILS

NOTE:
1. TO USE EXISTING WATER MAIN FOR TIE-IN.
2. TO USE THE PROPOSED WATER MAIN FOR TIE-IN.
3. SERVICE CONNECTION TO BE BEFORE BACKFLOW PREVENTER.



NOTES:
1. BOXES EXCEEDING 6' IN DEPTH MUST BE APPROVED BY FULTON COUNTY.
2. WHEN METER BOX CANNOT BE LOCATED ENTIRELY ON R/W, A PERMANENT EASEMENT SHALL BE OBTAINED TO PREVENT FENCES OR OTHER OBSTRUCTIONS FROM BEING ERECTED AROUND THE METER BOX.
3. COVER OPENINGS & STEPS TO BE PLACED NEAREST THE METER SERVICE.
4. THE METER MUST BE INSTALLED WITH AT LEAST 6 DIAMETERS OF STRAIGHT PIPE SAME SIZE AS METER ON THE INLET SIDE TO PERMIT ON-SITE MAINTENANCE AND CALIBRATION. A STRAINER MAY BE PROVIDED IN LIEU OF THE STRAIGHT PIPE IN ACCORDANCE WITH THE METER MANUFACTURER'S RECOMMENDATIONS. AN INLET AND OUTLET GATE VALVE WITH BYPASS LINE ARE REQUIRED (SEE ILLUSTRATION).
5. THESE BOXES ARE NOT TO BE INSTALLED IN TRAFFIC AREAS WITHOUT PRIOR PERMISSION FROM FULTON COUNTY.
6. ALL VALVES AND FITTINGS INSIDE THE VAULT SHALL BE FLANGED.
7. ALL FITTINGS OUTSIDE THE VAULT SHALL BE PUSH-ON JOINT WITH AMERICAN FAST-GRIP GASKETS OR APPROVED EQUAL.
8. ALL METERS SHALL COME EQUIPPED WITH A "DOUGHEAD OR TOUCHLESS SENSOR COMPATIBLE WITH FULTON COUNTY'S METER READING EQUIPMENT.
9. THIS DETAIL ALSO AUTHORIZED FOR INSTALLATION OF 3" AND LARGER RE-USE METERS.
10. HATCH SHALL BE 6'-0" X 3'-0" DOUBLE LEAF, FLUSH MOUNT, 3/4" DIAMOND PLATE, ALUMINUM DOOR LOCKABLE WITH 5/8" ROD. HATCH SHALL BE BILCO TYPE S OR PRE-APPROVED EQUAL FOR 3" & 4" METERS.

METER SIZE	VAULT L	VAULT W	VAULT D	HATCH SIZE
3"	9'	5"	6'	2'-6" X 3'-6"
4"	9'	5'	6'	2'-6" X 3'-6"
6"	12'	6'	6'	4' X 6'
8"	12'	8'	6'	4' X 5'

DATE	REVISIONS	DATE	REVISIONS

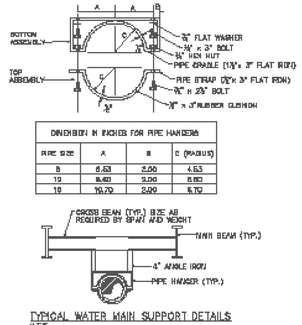
DGS/DRM/CHKD. CMS
APPROVED: REW
DATE: 12-2-08

FULTON COUNTY

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-730-7400 FAX: 404-224-0488

DRAWING NO. 805

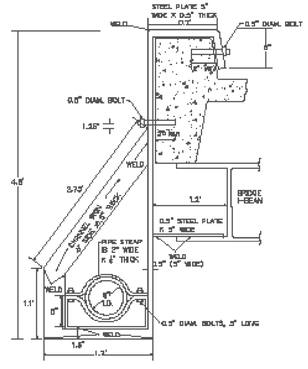
FULTON COUNTY STANDARD DETAIL 805
LARGE METERS AND VAULT



DIMENSION IN INCHES FOR PIPE HANGERS			
PIPE SIZE	A	B	C (MAXIMUM)
8	6.63	5.00	4.63
10	8.63	5.00	6.63
12	10.75	5.00	8.75

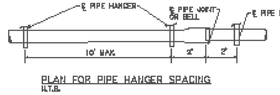
TYPICAL WATER MAIN SUPPORT DETAILS
N.T.S.

NOTES:
1. PRIMER SHALL BE NO. 1-A ORANGE PRIMER AND CONFORM TO GEORGIA D.O.T. ARTICLE 8.20.02. PRIMER SHALL BE APPLIED TO A MINIMUM THICKNESS OF 4 MILS.
2. PAINT SHALL BE NO. 3-A GREEN, BRUSH-ROLL OR AIRLESS TYPE AND CONFORM TO GEORGIA D.O.T. ARTICLE 8.20.02. PAINT SHALL BE APPLIED TO A MINIMUM THICKNESS OF 10 MILS.
3. TWO BOTTOM ASSEMBLIES USED TOGETHER MAY BE REQUIRED FOR STONE INSTALLATIONS.
4. PROVIDE TWO SUPPORTS PER JOINT, TWO FEET FROM JOINT.
5. DESIGN SUPPORTS DETAILS FOR WATER MAIN LARGER THAN 12".
6. STEEL SHALL BE A-36.
7. WELDING SHALL BE E-70XX.



PIPE HANGER SECTION
FOR 8" DIAMETER PIPE)
N.T.S.

NOTES:
1. PROVIDE TWO SUPPORTS PER JOINT, TWO FEET FROM JOINT.
2. ENGINEER SHALL DESIGN SUPPORT DETAILS FOR WATER MAINS LARGER THAN 8" IN DIAMETER
3. STEEL SHALL BE A-36
4. WELDING SHALL BE E-70XX
5. ALTERNATE DESIGN MAY BE SUBMITTED BY THE ENGINEER FOR APPROVAL BY FULTON COUNTY PUBLIC WORKS DEPARTMENT.
6. RESTRAINED JOINTS EQUAL TO GRIP TIGHT OR APPROVED EQUAL SHALL BE USED TWO JOINTS EITHER SIDE OF THE SUSPENDED PIPE



PLAN FOR PIPE HANGER SPACING
N.T.S.

FULTON COUNTY

FULTON COUNTY STANDARD DETAIL 118
TYPICAL PIPE HANGER AND SUPPORT DETAILS

DATE	REVISIONS	DATE	REVISIONS
8/08	TYPO		

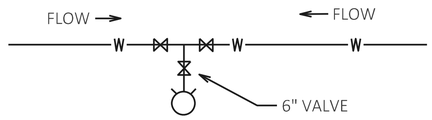
DES/DRN/CHKD. REW
APPROVED: REW
DATE: 12-2-08

FULTON COUNTY PUBLIC WORKS
141 PRYOR ST. ATLANTA, GA. 30303
404-612-7900 FAX: 404-224-0488

DRAWING NO. 118

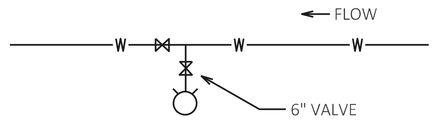
DRAWING No.
44-000C

07/31/2015



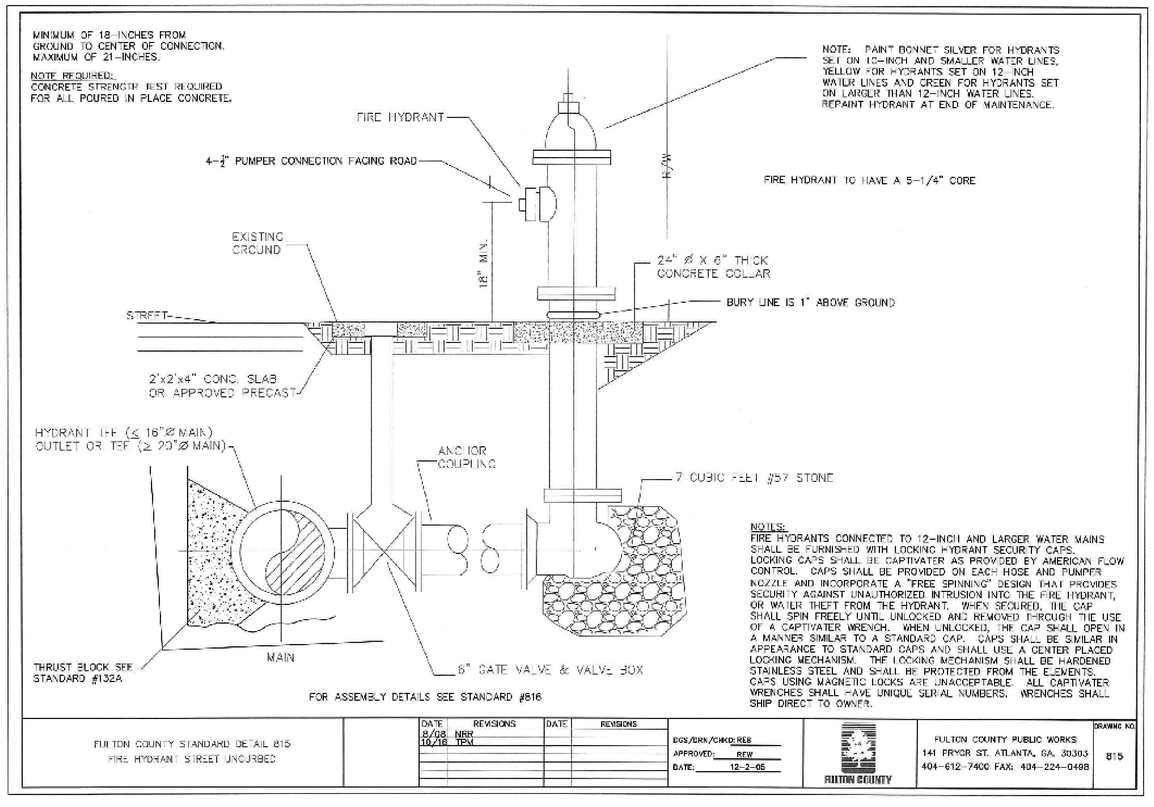
FH INSTALL W/ 2 WAY FEED
(NTS)

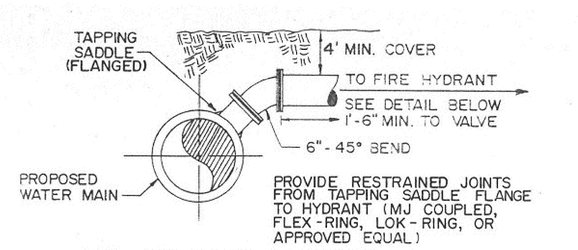
Double Directional Flow:
See Fulton County Utility Note 5 - Newly installed/proposed waterline at alternating FH locations; no additional cost.



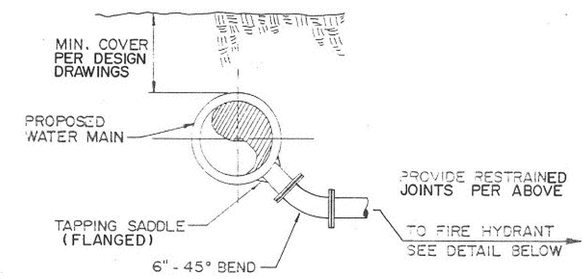
FH INSTALL W/ 1 WAY FEED
(NTS)

Single Directional Flow:
See Fulton County Utility Note 5 - Newly installed/proposed waterline at alternating FH locations; no additional cost.





AIR RELEASE CONNECTION
N.T.S.



TYPICAL BLOW-OFF ASSEMBLY
N.T.S.

Note:
Alternate Air Release / Blow -Off connection(s) to be approved by County Project Manager (PM).

FULTON COUNTY

DRAWING No.
44-000D

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$

Curve# 3
PI Sta= 108+07.79
N= 1483026.8213
E= 2268580.1946
DELTA= 06°24'56.8" (LT)
D= 02°43'42.13"
T= 117.70
L= 235.15
R= 2100.00
E= 3.30

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 22 55011780210
DB 56413, PG 432
PB 404, PG 100

JAMES B MALONEY
TAX ID: 22 546012610081
DB 32971, PG 83

PERGAMENT LODI LLC
TAX ID: 22 546012600686
DB 58150, PG 417

KOKL ENTERPRISE LLC
TAX ID: 22 546012610651
DB 36188, PG 569

RONALD N MAY
TAX ID: 22 55101243C01
DB 9599, PG 74

NERO HOLDINGS LLC
TAX ID: 22 551012430334
DB 34105, PG 512

DISTRICT 2
DISTRICT 1

WEBB BRIDGE ROAD

MATCH LINE STA.111+00.00
SEE SHEET 44-0002

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

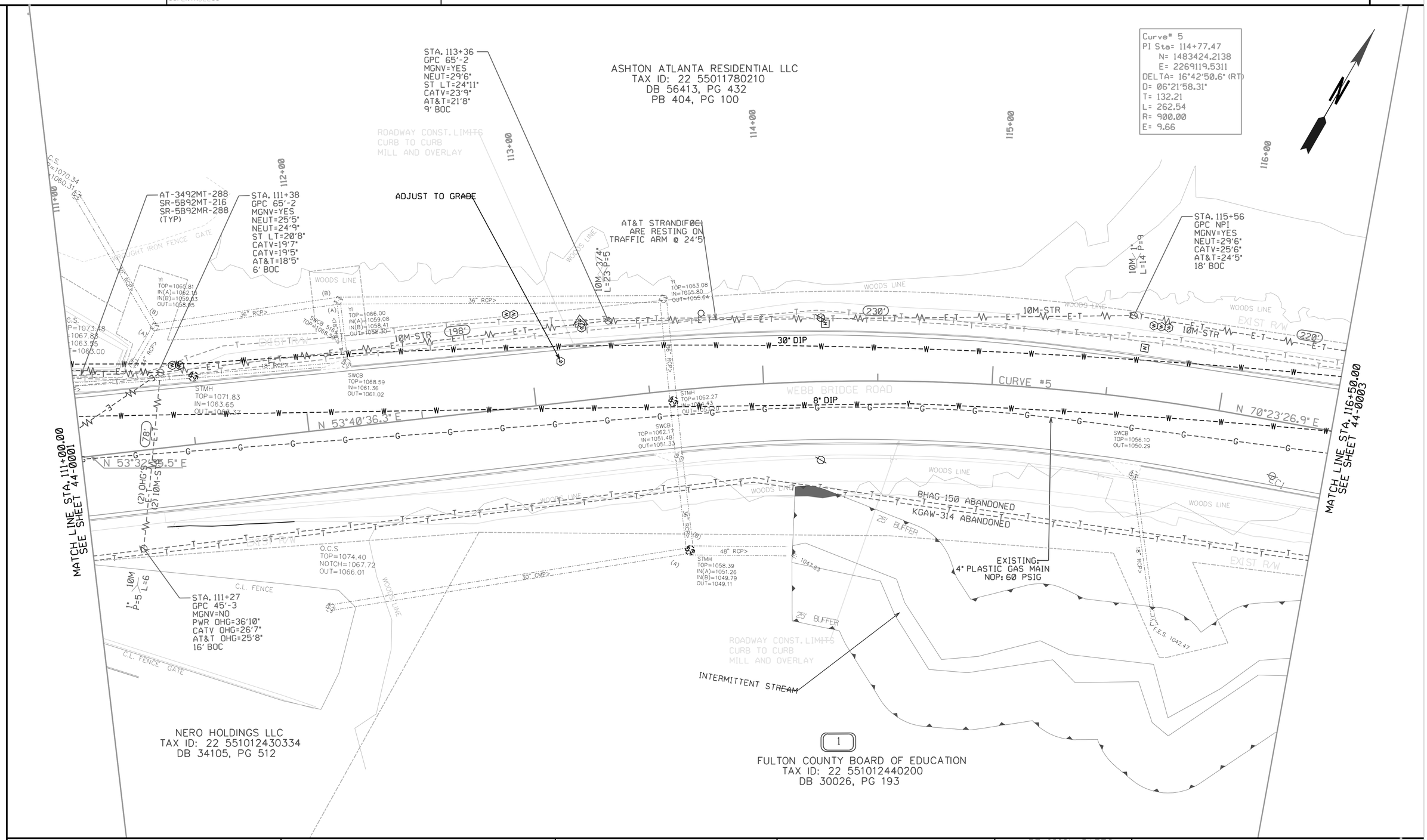
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
UTILITY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
44-0001



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

SCALE IN FEET
0 20 40 80

REVISION DATES

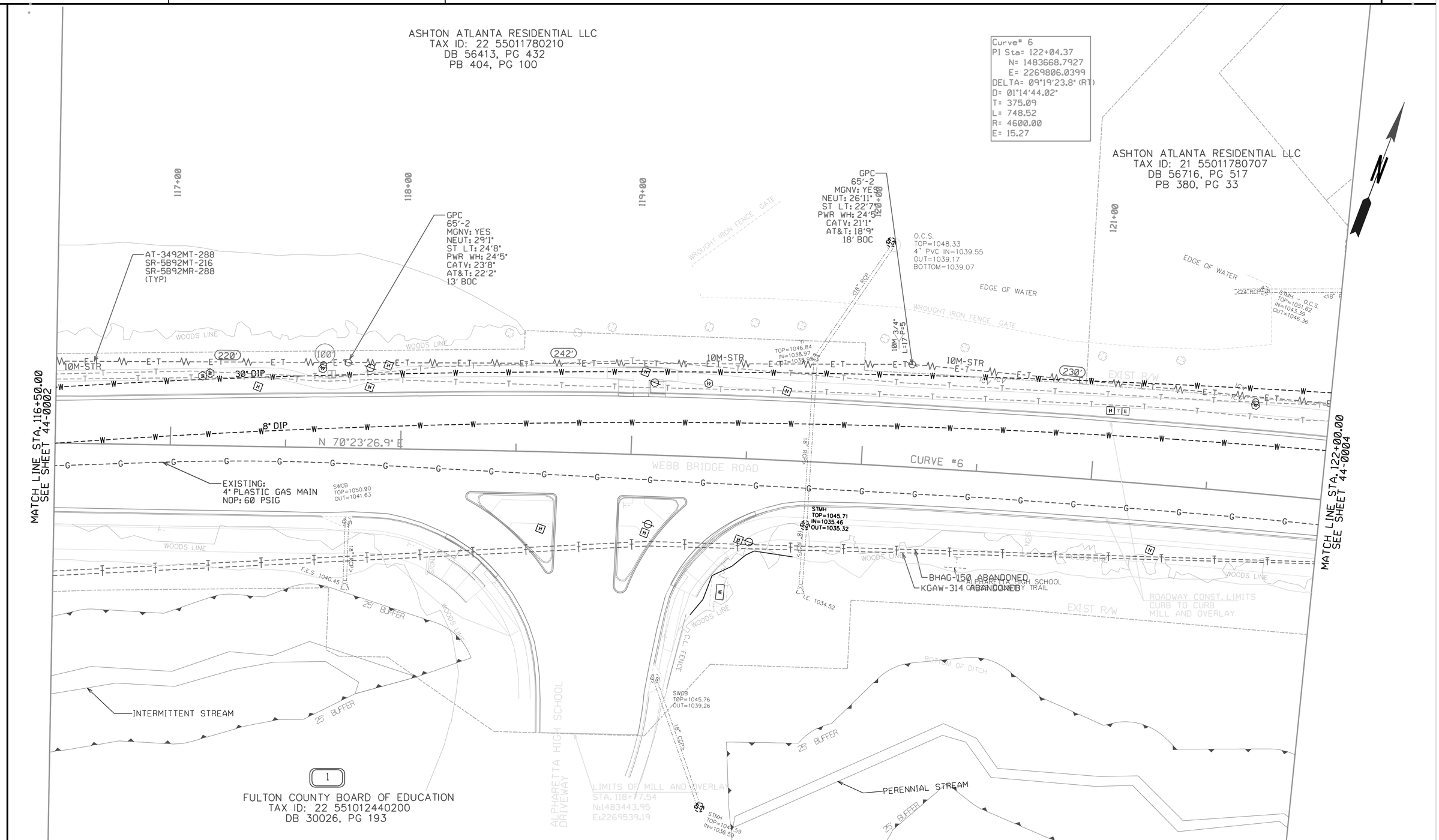
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
44-0002



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

SCALE IN FEET
0 20 40 80

REVISION DATES

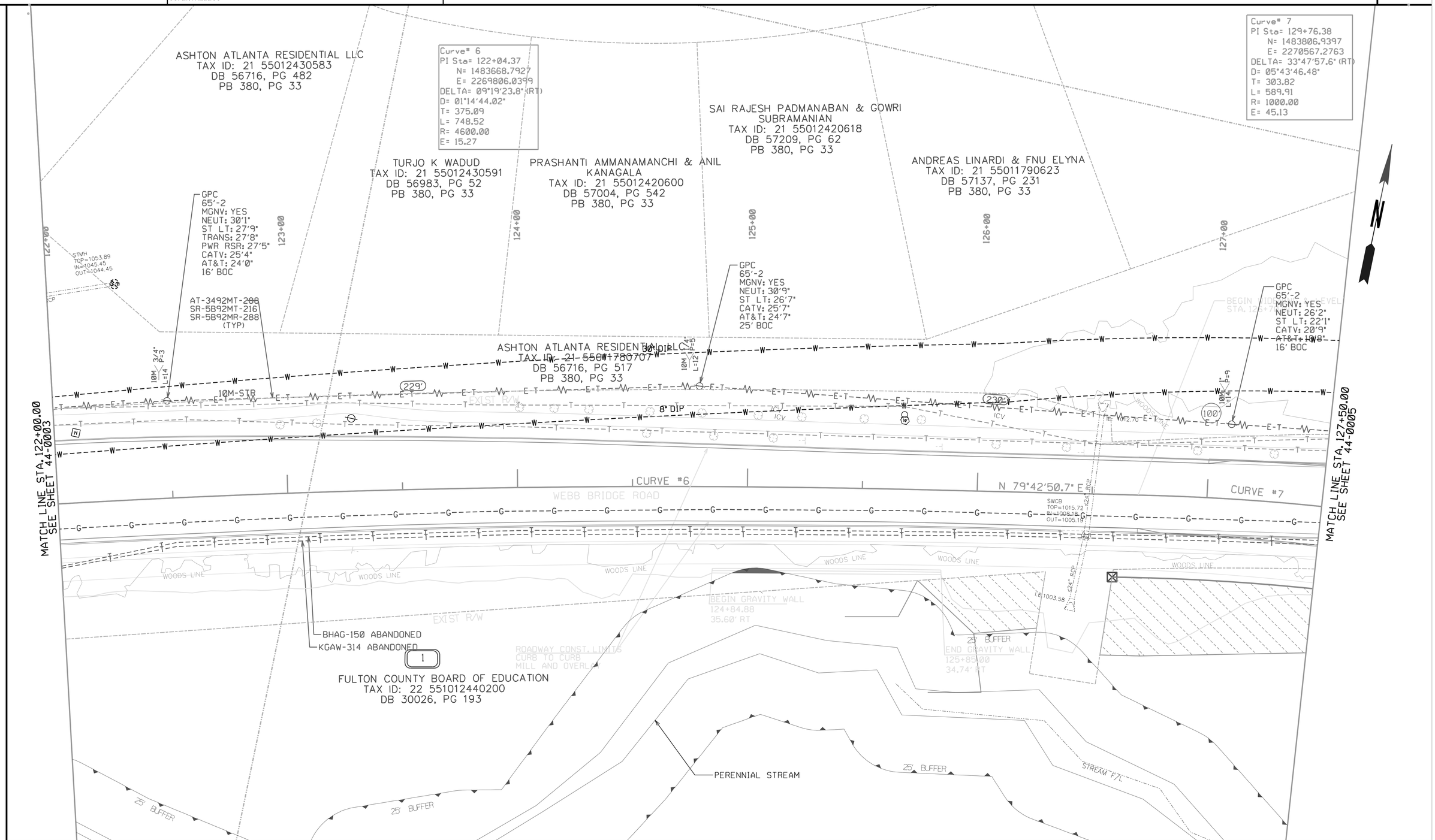
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
44-0003



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
44-0004

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$

Curve# 7
PI Sta= 129+76.38
N= 1483806.9397
E= 2270567.2763
DELTA= 33°47'57.6" (RT)
D= 05°43'46.48"
T= 303.82
L= 589.91
R= 1000.00
E= 45.13

PAIGE V & WILLIAM A LEDGERWOOD
TAX ID: 21 55011790698
DB 57208, PG 632
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011780707
DB 56716, PG 517
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011780707
DB 56718, PG 517
PB 380, PG 33

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

STA. 129+43
GPC 65'-2
MGNV=YES
NEUT=29'11"
ST LT=26'1"
CATV=24'4"
AT&T=22'8"
13' BOC

STA. 130+62
GPC 65'-2
MGNV=YES
NEUT=29'0"
ST LT=24'9"
CATV=23'9"
AT&T=21'9"
9' BOC

STA. 131+97
GPC 65'-2
MGNV=YES
NEUT=28'6"
ST LT=25'3"
CATV=24'3"
AT&T=21'9"
14' BOC

AT-3492MT-288
SR-5B92MT-216
SR-5B92MR-288

AT-3492MT-288
SR-5B92MT-216

AT-3492MT-288
SR-5B92MT-216

ADJUST TO GRADE

31" INNERDUCT E/W:
SR-5B02MT-024

36" INNERDUCT E/W:
SR-5B02MT-144

(2) DIPS

PROPOSED:
410' X 6" PLASTIC GAS MAIN
NOP: 60 PSIG

PROPOSED:
1510' X 6" PLASTIC GAS MAIN
NOP: 60 PSIG

PROPOSED:
15' X 2" PLASTIC GAS MAIN
NOP: 60 PSIG

PROPOSED: 2" GAS VALVE

EXISTING:
2" PLASTIC GAS MAIN
NOP: 60 PSIG
CUT & CAP
TIE-INTO 2" PLASTIC GAS MAIN
NOP: 60 PSIG

EXISTING:
2" GAS VALVE

ABANDON:
4" PLASTIC GAS MAIN
INSTALL DATE:1983

ABANDON:
2" PLASTIC GAS MAIN
INSTALL DATE:2015

ABANDON:
2" GAS VALVE

1-8" STRAIGHT TEE W/ 2 8" GATE VALVES
1-8" 45 DEGREE BEND
CUT & PLUG
FIELD VERIFY SIZE & EXACT LOCATION

EXISTING:
4" PLASTIC GAS MAIN
NOP: 60 PSIG

CUT & CAP
TIE-INTO 4" PLASTIC GAS MAIN
NOP: 60 PSIG

BHAG-150 ABANDONED
KGAW-314 ABANDONED

HH Quanta

INTERSECTION
WEBB BRIDGE ROAD
STA. 131+41.28
STRATH DRIVE
STA. 200+00.00
N=1483727.2369
E=2270732.0763

CURVE #7

S 66°29'11.8" E

MATCH LINE STA. 127+50.00
SEE SHEET 44-0004

MATCH LINE STA. 133+00.00
SEE SHEET 44-0006

WEBB BRIDGE ROAD

STRATH DRIVE

EXIST R/W

WOODS LINE

METAL FENCE

GATE

EDGE OF WATER

25' BUFFER

PERENNIAL STREAM

STREAM F/L

APPROX. 42" RCP?

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
UTILITY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
44-0005

DATE$$$ TIME$$$ $PRF8$ DGN
$USER$ $$PENTABLE$$

CITY OF ALPHARETTA
TAX ID: 21 555012410246
DB 26462, PG 29

ABANDON EXISTING 8" LINE, 2 FIRE HYDRANTS, WV MARKER, & WV.

2
ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011790714
DB 56716, PG 517

SSMH
TOP=988.71
NO ACCESS
LOCKED

CONNECTIONS ARE BASED ON EYE WITNESS STATEMENT FROM CITY EMPLOYEE THAT THIS IS A TRUNK LINE

INSET A
N 63°41'34.
MATCH LINE STA. 302+00.00 SEE THIS SHEET

MATCH LINE STA. 133+00.00 SEE SHEET 44-0005

30" DIP
8" DIP
10M-STR
AT-3492MT-288
SR-5B92MT-216
EXISTING: 4" PLASTIC GAS MAIN NOP: 60 PSIG
ABANDON: 4" STEEL GAS MAIN INSTALL DATE:1983
ABANDON: 4" PLASTIC GAS MAIN INSTALL DATE:1983
ABANDON EXISTING 8" LINE,
1-PROPOSED FH
1-8-inch G/V
RELOCATE WV & WV MARKER
PROPOSED: 6" PLASTIC GAS MAIN NOP: 60 PSIG
SSMH
TOP=984.92
IN=978.36
OUT=978.33
<8" DIP
GPC
65'-2
MGNV: YES
NEUT: 33'7"
ST LT: 31'6"
CATV: 28'11"
AT&T: 21'9"
8' EOP
KGAW-314 ABANDONED
BHAG-150 ABANDONED
SWCB TOP=990.25 INT=984.71
SWCB TOP=988.86 INT=983.76
SWCB TOP=988.13 INT=983.47
STMH TOP=987.90 IN=982.87 OUT=981.95
WOODS LINE
EXIST R/W
WEBB BRIDGE ROAD
BIG CREEK GREENWAY
EDGE OF WATER
STREAM F/L
S 66°29'11.8" E
8" DIP WATERLINE
APPROX. LOCATION FIELD VERIFY
WATERLINE TO HANG WITH BRIDGE. SEE DETAIL SHEET 44-000C. STD. DETAIL SHEET 118.
GATE BOLLARDS
SSMH
TOP=982.47
NO ACCESS
LOCKED
ADJUST TO GRADE
303+00
302+00
N 17°21'20.7" E
MATCH LINE STA. 302+00.00 SEE INSET A
MATCH LINE STA. 138+50.00 SEE SHEET 44-0007
EXISTING: 4" STEEL GAS MAIN WT: UNK/GRADE: UNK NOP: 60 PSIG CP: ANODE
GPC
65'-2
MGNV: YES
NEUT: 32'10"
ST LT: 31'3"
CATV: 28'6"
AT&T: 21'6"
6' EOP
SEE SHEET 35-005 FOR CONNECTION OF 8" WATER LINE DETAIL TO BRIDGE

1
FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

3
CITY OF ALPHARETTA
TAX ID: 21 555012410253
DB N/A, PG N/A

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

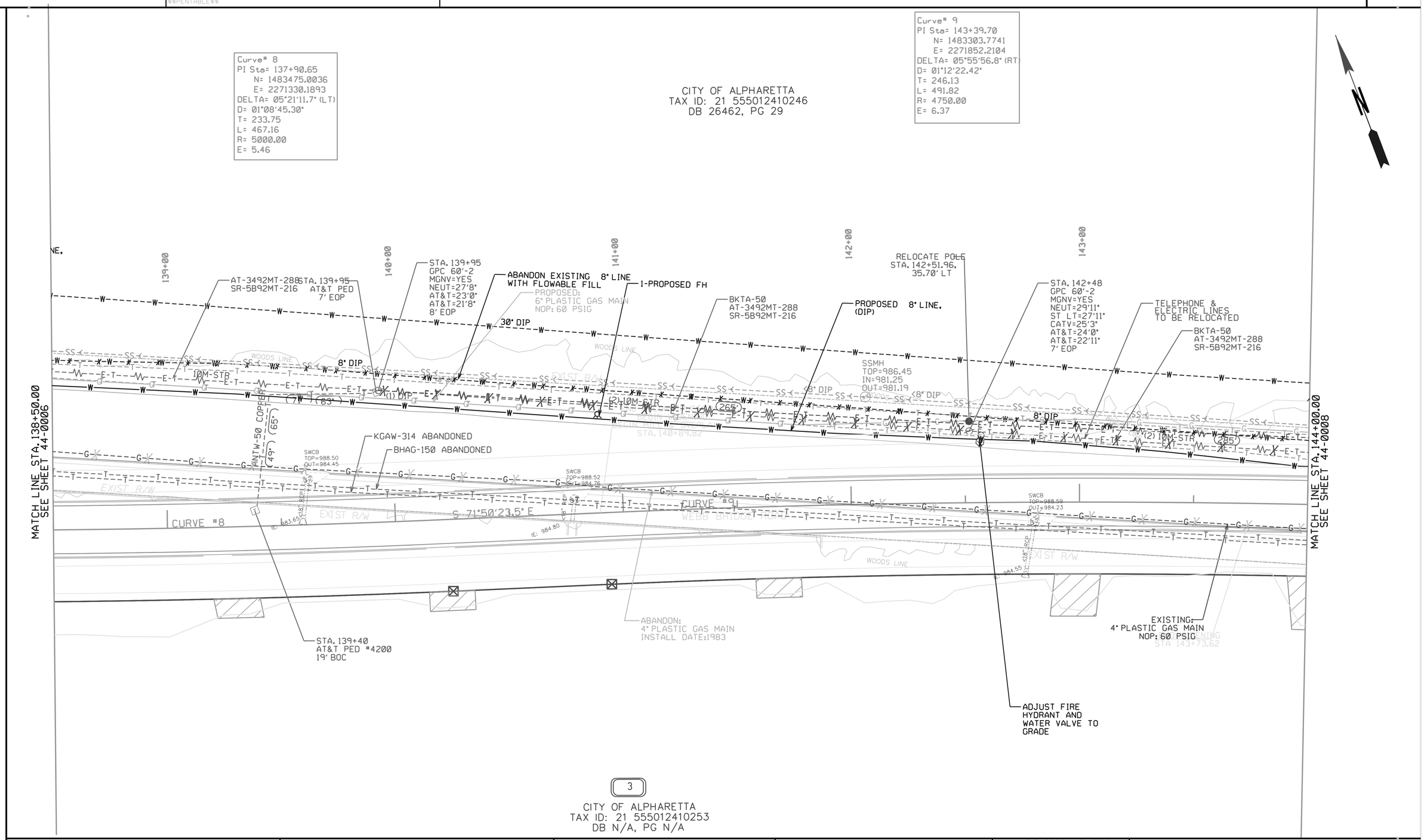
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
UTILITY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
44-0006



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

SCALE IN FEET
0 20 40 80

REVISION DATES

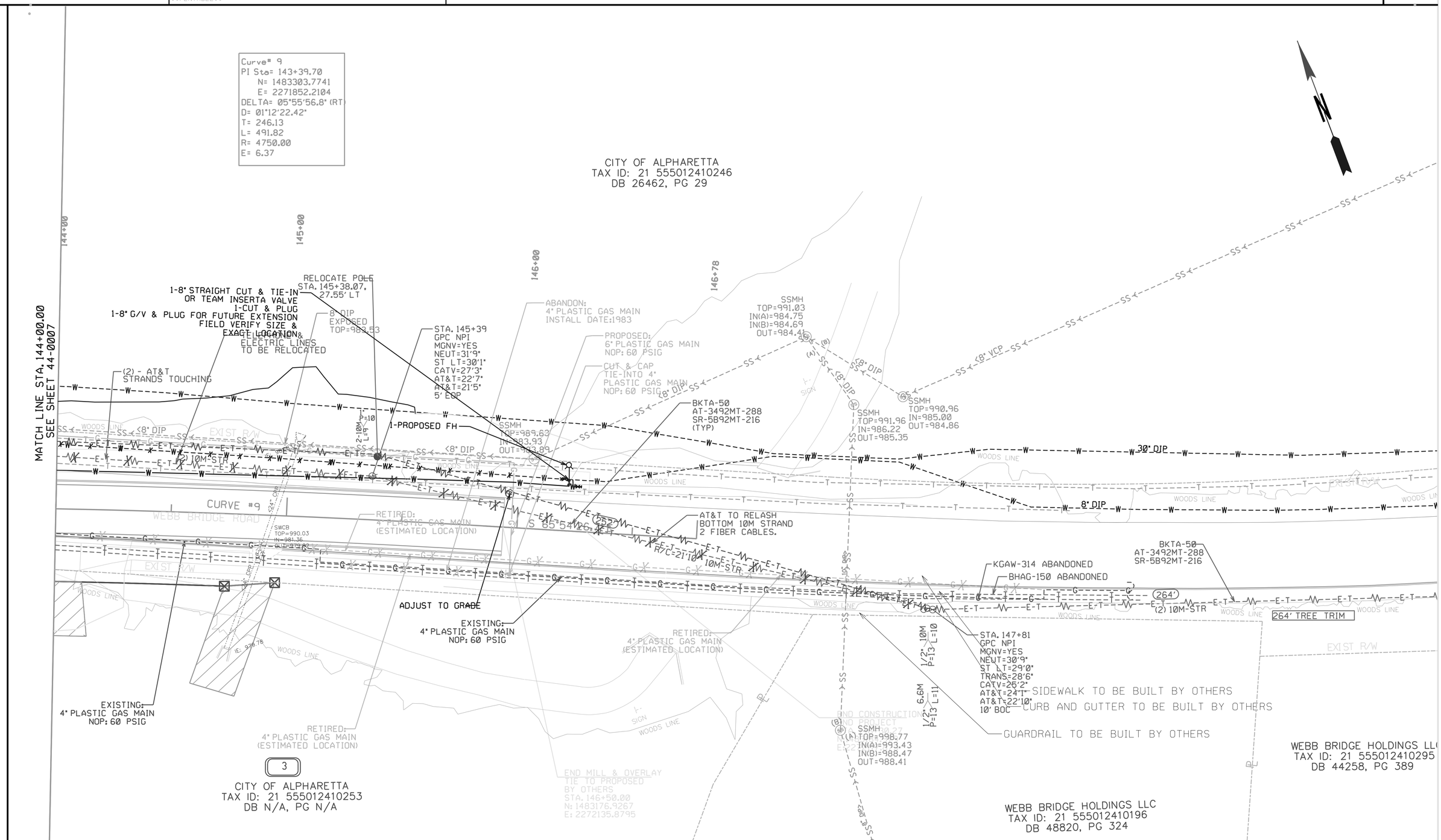
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
44-0007



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

SCALE IN FEET
0 20 40 80

REVISION DATES

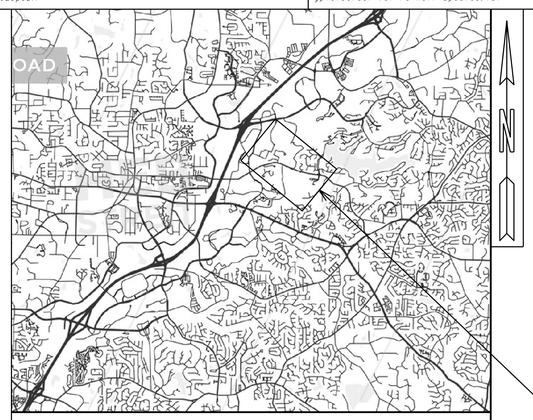
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

UTILITY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
44-0008



LOCATION SKETCH

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN
WEBB BRIDGE ROAD
EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS

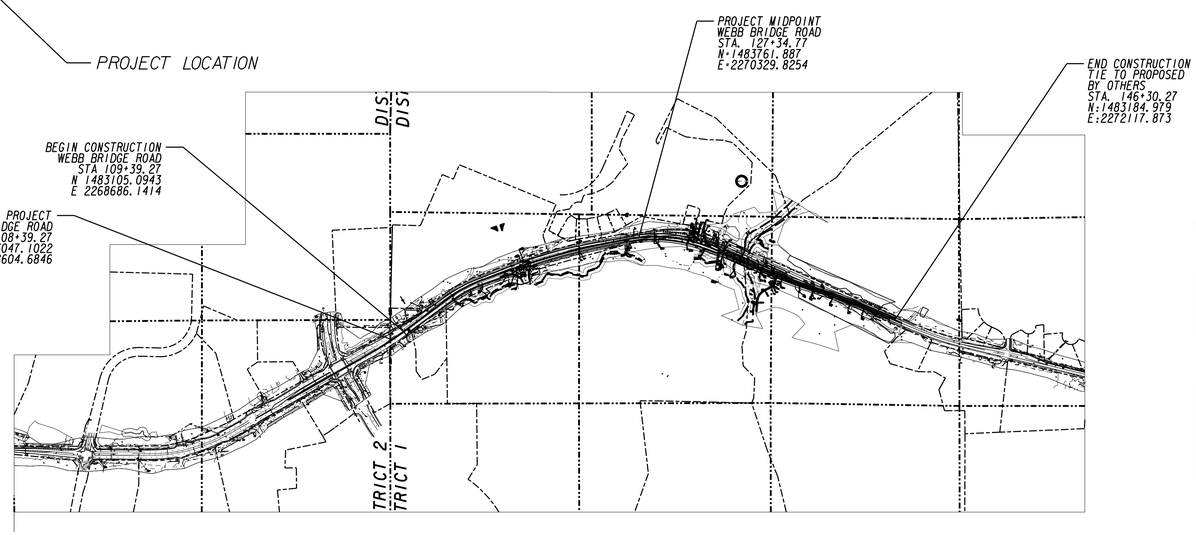
"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GAR100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

PROJECT LOCATION



BEGIN-POINT COORDINATES
Longitude: 84°15'32.6" W
Latitude: 34°04'36.7" N
MID-POINT COORDINATES
Longitude: 84°15'12.1" W
Latitude: 34°04'43.8" N
END-POINT COORDINATES
Longitude: 84°14'50.9" W
Latitude: 34°04'38.1" N

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

PRIMARY PERMITTEE

CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS
1790 Hembree Road
Alpharetta, GA 30009
Phone: 678-297-6200
Email: pbush@alpharetta.ga.us

24 HOUR CONTACT:

Name

Street Address

City, State Zip

Phone Number

Email Address

Contractor shall complete the information in this box.

SCALE IN FEET
0 500 1000 2000

LENGTH OF PROJECT	COUNTY No. FULTON COUNTY
	MILES
NET LENGTH OF ROADWAY	0.68
NET LENGTH OF BRIDGES	0.04
NET LENGTH OF PROJECT	0.72
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	0.72

GEORGIA
REGISTERED
9/16/22
No. 038279
PROFESSIONAL
ENGINEER
ARWIN T. LOPEZ

POND
Architects-Engineers-Planners
3500 Parkway Lane
Suite 500
Peachtree Corners, Ga. 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

PLANS PREPARED BY:

Date: 8/31/2022 — ARWIN LOPEZ, P.E. — 0000070569 GSWCC LEVEL II Certification Number

PLANS COMPLETED

REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#
- -				
- -				
- -				
- -				
- -				
- -				

DRAWING No. 50-0001

GSWCC

Georgia Soil and Water Conservation Commission

INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD:_____ FULTON COUNTY SCWD

Project Name:_____ WEBB BRIDGE ROAD PHASE 3 **Address:_____**

City/County:_____ CITY OF ALPHARETTA, FULTON CO. **Date on Plans:_____** 8/31/2022

Name & email of person filling out checklist:_____ ARWIN LOPEZ, E-MAIL:LOPEZA@PONDCO.COM

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0001	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
51-0003 & 53-0001	Y	5 Note total and disturbed acreage of the project or phase under construction.
50-0001	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-0001	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-0002	Y	8 Descriptions of the nature of construction activity and existing site conditions
50-0001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
51-0004	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
50-0001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit. *
50-0001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable. *
51-0004	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit. *
51-0003	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
51-0003	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0002	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
51-0002	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
51-0002	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-0002	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-0002	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
51-0002	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
51-0002	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
51-0002	Y	27 Description of practices to provide cover for building materials and building products on site. *
51-0002	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *
51-0002	Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0004	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee. *
51-0004	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results. *
51-0004	Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *
51-0004	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *
51-0004	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
51-0004 55-0001	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *
51-0002	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
50-0001	Y	37 Graphic scale and North arrow.
55-0001	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours: USGS 1": 2000' Topographical Sheets; Proposed Contours: 1" : 400' Centerline Profile
N/A	N	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GA EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
54-SERIES	Y	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
54-SERIES	Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-0001	Y	43 Delineation and acreage of contributing drainage basins on the project site.
55-0001	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-0001	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
53-0001	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-0002 54-SERIES	Y	47 Soil series for the project site and their delineation.
54-SERIES	Y	48 The limits of disturbance for each phase of construction.
51-0003	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
54-SERIES	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
52-SERIES	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-0002	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

PREPARED BY: ARWIN LOPEZ, PE
GSWCC LEVEL II Certification #0000070569

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

ESPCP GENERAL NOTES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
51-0001

ESPCP GENERAL NOTES

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

ESPCP ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Admendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

Initial Phase consists of the installation and maintenance of perimeter silt fencing. Construction activities shall include clearing and grubbing, and preliminary grading.

Intermediate Phase 1 & 2 consists of the construction of the new location road to the south of the existing alignment, and construction of a new bridge parallel to the existing bridge. This new location roadway and bridge will include curb and gutter, and drainage structures.Erosion control measures in this phase includes mulch, temporary grassing,slope stabilization,baled straw check dam, stone check dam, storm drain outlet protection (rip-rap) and retrofitting silt control gate type 3.

Final phase consists of final project site improvements including permanent construction pavements, milling and overlaying, and final stabilization. Erosion control measures will include final disturbed area stabilization, removal of temporary erosion control measures, sodding and permanent grassing.

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

The EPD General NPDES GAR100002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint,oils, curing compounds, and other construction materials.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of riprap at pipe outlets for velocity dissipation and outlet stabilization, channel/ditch stabilization, slope stabilization matting, riprap and concrete ditch lining where necessary. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site:

Map Unit Symbol	Map Unit Name	Rating	Component name (percent)	Rating Reasons (numeric values)
AaB	Altavista sandy loam, 2 to 6 percent slopes	Slight	Altavista (92%)	N/A
BaA	Buncombe loamy sand, 0 to 3 percent slopes, occasionally flooded	Slight	Buncombe (92%)	N/A
CaA	Cartecay-Toccoa complex, 0 to 2 percent slopes, occasionally flooded	Slight	Cartecay (48%) Toccoa (45%) Wehadkee (7%)	N/A
CeC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded		Cecil, moderately eroded (100%)	Slope/erodibility (0.50)
GaE	Grover-Mountain Park complex, 10 to 20 percent slopes, stony	Moderate	Mountain Park (50%) Grover (40%)	Slope/erodibility (0.50) Slope/erodibility (0.50)
GaF	Grover-Mountain Park complex, 20 to 60 percent slopes, stony	Severe	Mountain Park (50%) Grover (30%)	Slope/erodibility (0.50) Slope/erodibility (0.50)
PaD2	Pacolet sandy loam, 10 to 15 percent slopes, moderately eroded	Moderate	Pacolet, moderately eroded (96%)	Slope/erodibility (0.50)
ReD	Rion sandy loam, 10 to 15 percent slopes	Moderate	Rion (100%)	Slope/erodibility (0.50)
W	Water	Not Rated	Water (100%)	N/A

PREPARED BY: ARWIN LOPEZ, PE
GSWCC LEVEL II Certification #0000070569

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

ESPCP GENERAL NOTES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
51-0002

SEDIMENT STORAGE

The site has a total disturbed area of 5.17 acres. *The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.*

Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd^3)	Total Storage Volume Provided (yd^3)	Temporary Sediment Basins		Check Dams (7 yd^3/each)		Inlet Sediment Traps (0.45 yd^3/each)		Silt Gates (# yd^3/each)		Silt Fence (0.3 yd^3/ft)	
					Basin #	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	Length (ft)	Total Volume (yd^3)
Outfall A	1.365	0.745	91.455	444.75					1	0.45			1481	444.3
Outfall B	1.117	0.727	74.839	66.45					1	0.45			220	66
Outfall C	0.686	0.587	45.962	197.1					4	1.8			651	195.3
Outfall D	0.636	0.580	42.612	289.65			3	21	3	1.35			891	267.3
Outfall E	0.147	0.095	9.849	148.5					2	0.9			492	147.6
Outfall F	0.188	0.188	12.596	21.9					2	0.9			70	21
Outfall G	0.157	0.157	10.519	72.9					2	0.9			240	72
Outfall H	0.130	0.130	8.737	78.9					2	0.9			260	78
Outfall I	0.379	0.327	25.393	210.6					4	1.8			696	208.8
Outfall J	0.127	0.797	8.509	60.45					1	0.45			200	60
Outfall K	0.086	0.040	5.762	61.45			1	7	1	0.45			180	54
Outfall L	1.298	0.797	86.966	71.25					1	0.45			236	70.8

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

RIPRAP OUTLET PROTECTION

Structure #, Outfall ID#, or Station and Offset	Pipe Diameter Do (ft)	Q_{25} (ft^3/s)	V_{25} (ft/s)	Tailwater Condition (TW<0.5 Do TW>0.5 Do)	Width at Drainage Structure W1=3Do (ft)	Apron Length La (ft)	Downstream Width W2=Do+La (ft)	Average Stone Diameter d_{50} (ft)	Apron Thickness D (ft)	Riprap Type (Type 3 or Type 1)	Quantity (yd^2)
A-0	2	6.54	10.16	TW<0.5Do	6	13	15	0.30	3	Type 1	15
B-0	2	3.41	6.51	TW<0.5Do	6	10	12	0.30	1.5	Type 3	10
C-0	1.5	3.80	5.40	TW<0.5Do	4.5	9	10.5	0.30	1.5	Type 3	8
D-0	1.5	5.10	11.68	TW<0.5Do	4.5	9	10.5	0.30	3	Type 1	8
E-0	1.5	1.16	5.93	TW<0.5Do	4.5	9	10.5	0.30	1.5	Type 3	8
F-0	1.5	1.46	7.60	TW<0.5Do	4.5	9	10.5	0.30	1.5	Type 3	8
G-1	1.5	1.80	6.35	TW<0.5Do	4.5	9	10.5	0.30	1.5	Type 3	8
H-1	1.5	1.01	8.62	TW<0.5Do	4.5	9	10.5	0.30	1.5	Type 3	8
I-1	1.5	2.88	8.24	TW<0.5Do	4.5	9	10.5	0.30	1.5	Type 3	8
J-0	1.5	0.92	4.26	TW<0.5Do	4.5	9	10.5	0.30	1.5	Type 3	8
K-0	1.5	1.06	3.87	TW<0.5Do	4.5	9	10.5	0.30	1.5	Type 3	8

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

The Contractor is not authorized to enter into stream buffers, except as described in the table below:

Resource Number	State-Water ID# or Name	Location of Buffered Streams and State Waters**			Stream Type (Warm/Cold Water)*	Buffer Variance Required? (Yes/No)
		Roadway Alignment	Begin Station and Offset	End Station and Offset		
IS-12	INTERMITTENT STREAM	WEBB BRIDGE ROAD	STA 113+85, 56' RT	STA 114+52, 55' RT	Warm	YES
	The contractor is allowed to construct slopes.					
PS-13	PERENNIAL STREAM	WEBB BRIDGE ROAD	STA 124+70, 47.5' RT	STA 125+43, 42' RT	Warm	NO
	The contractor is allowed to construct wall.					
PS-13	PERENNIAL STREAM	WEBB BRIDGE ROAD	STA 132+85, 64' RT	STA 133+87, 60' RT	Warm	NO
	The contractor is allowed to construct slope and drainage.					
PS-16	PERENNIAL STREAM	WEBB BRIDGE ROAD	STA 134+21, 59' RT STA 134+21, 59' RT STA 135+38, 157' LT	STA 134+24, 162' LT STA 134+98, 134.5' RT STA 135+93, 60' RT	Warm	YES
	The contractor is allowed to build bridge, and construct slopes					

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

** Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation.*
***Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the Individual BMP sheets*

PREPARED BY: ARWIN LOPEZ, PE
GSWCC LEVEL II Certification #0000070569

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

ESPCP GENERAL NOTES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
51-0003

TEMPORARY SEDIMENT BASIN DETAILS:

No temporary sediment basins are proposed for this project. The required sediment storage requirement is met with the provided BMPS. Addition of a temporary sediment basin would unnecessarily increase the disturbed area and would potentially impact more environmentally sensitive areas.

INSPECTIONS AND REPORTING

As the primary permittee, the Department must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 2 business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 7 day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP for three years after the NOT is filed in accordance with Part IV.F of the General Permit GAR100002.

SAMPLING LOCATIONS AND GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total Site Area is 9.831 acres.											Representative Sampling Scheme				
SAMPLING INFORMATION											OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
CREEK	135+00;122' LT	BIG CREEK	ALL	RECEIVING WATER	65.87	0	WARM	N/A	N/A	Upstream Creek	NEW ROAD ON FILL	N/A	N/A	N/A	N/A
CREEK	135+00;121' RT	BIG CREEK	ALL	RECEIVING WATER	65.87	3.767	WARM	N/A	25	Downstream Creek	NEW ROAD ON FILL	N/A	N/A	N/A	N/A
B-0	128+70; 54' RT	BIG CREEK	ALL	OUTFALL	65.87	0.9398	WARM	750	N/A	OUTFALL B-0	NEW ROAD ON FILL	0-1	50:1	7.65	C-0, E-0, G-0, I-0, K-0
C-0	130+87; 87' RT	BIG CREEK	ALL	OUTFALL	65.87	0.5861	WARM	750	N/A	OUTFALL C-0	NEW ROAD ON FILL	0-2	4:1	7.65	B-0, E-0, G-0, I-0, K-0
D-0	133+24; 50' RT	BIG CREEK	ALL	OUTFALL	65.87	1.25	WARM	750	N/A	OUTFALL D-0	NEW ROAD ON FILL	0-3	50:1	7.65	B-0, C-0, G-0, I-0, K-0
E-0	136+39; 45' RT	BIG CREEK	ALL	OUTFALL	65.87	0.457	WARM	750	N/A	OUTFALL E-0	NEW ROAD ON FILL	0-4	50:1	7.65	B-0, C-0, E-0, I-0, K-0
G-0	139+32'; 32'RT	BIG CREEK	ALL	OUTFALL	65.87	0.235	WARM	750	N/A	OUTFALL G-0	NEW ROAD ON FILL	0-5	25:1	7.65	B-0, C-0, E-0, G-0, K-0
I-0	141+67'; 38'RT	BIG CREEK	ALL	OUTFALL	65.87	0.176	WARM	750	N/A	OUTFALL I-0	NEW ROAD ON FILL	0-6	2:1	7.65	B-0, C-0, E-0, G-0, I-0
K-0	144+03'; 41'RT	BIG CREEK	ALL	OUTFALL	65.87	0.24	WARM	750	N/A	OUTFALL K-0	NEW ROAD ON FILL	0-7	2:1	7.65	B-0, C-0, E-0, G-0, I-0

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

PREPARED BY: ARWIN LOPEZ, PE
GSWCC LEVEL II Certification #0000070569

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NTS

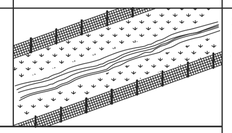
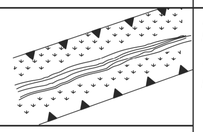
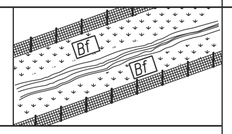
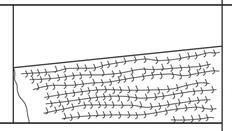
REVISION DATES

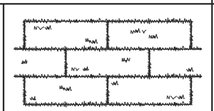
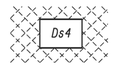
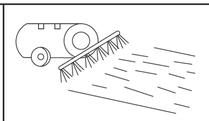
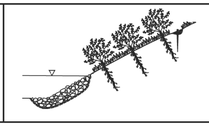
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

ESPCP GENERAL NOTES

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
51-0004

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
		LINE CODE  ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
		LINE CODE  ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
		SYMBOL Bf	
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		SYMBOL Ds1	
Ds2	TEMPORARY GRASSING SECTION 163, 700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		SYMBOL Ds2	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		SYMBOL Ds3	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		PATTERN 	
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
		SYMBOL Fl-Co POLYACRYLAMIDE	
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
		PATTERN 	

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

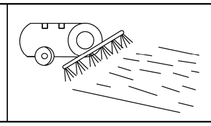
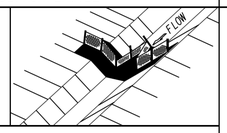
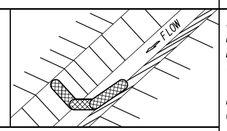
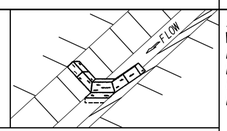
CITY OF ALPHARETTA

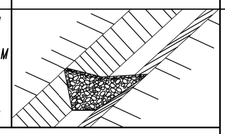
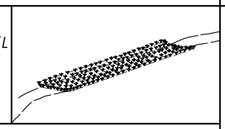
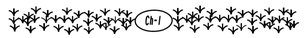
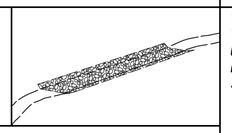
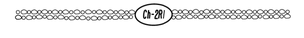
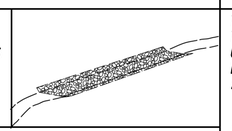
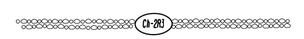
OFFICE: PUBLIC WORKS

EROSION CONTROL LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No. 52-0001

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
	PATTERN 		
Tac	TACKIFIERS SECTION 163, 700, 895		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
	SYMBOL Tac POLYACRYLAMIDE		
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-F		
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-Fs		
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-Hb		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL Cd-S		
Ch-I	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
	LINE CODE 		
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES		

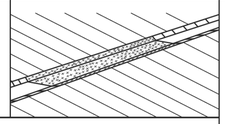
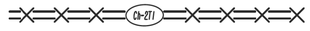
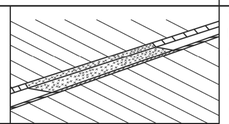
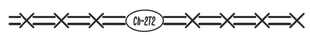
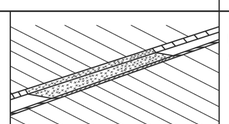
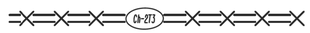
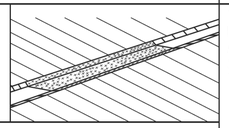
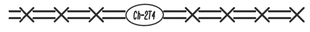
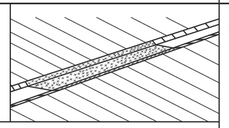
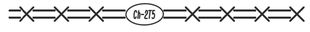
CITY OF ALPHARETTA

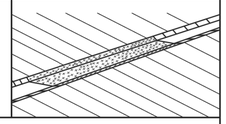
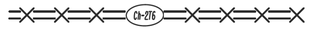
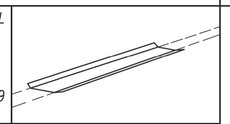
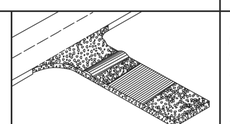
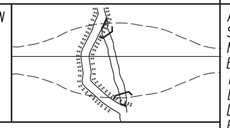
OFFICE: PUBLIC WORKS

EROSION CONTROL LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
52-0002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441	 LINE CODE 	CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800	 SYMBOL 	A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

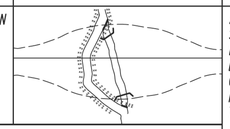
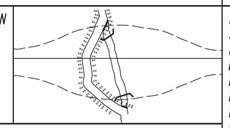
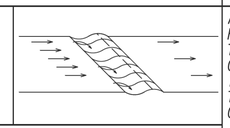
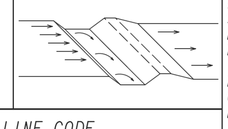
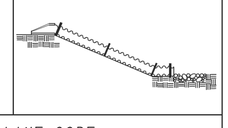
CITY OF ALPHARETTA

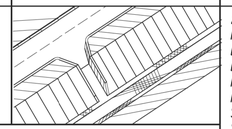
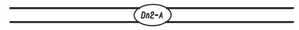
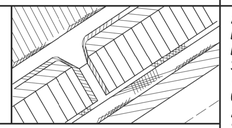
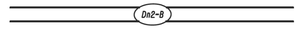
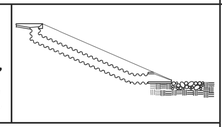
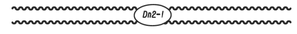
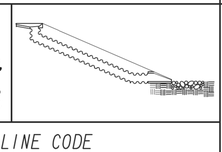
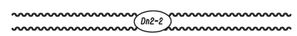
OFFICE: PUBLIC WORKS

EROSION CONTROL LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No. 52-0003

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dl-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205	 LINE CODE 	A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dnl"OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
Dl-2	DIVERSION CHANNEL SECTION 205	 LINE CODE 	A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dnl	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163	 LINE CODE 	A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577	 LINE CODE 	CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577	 LINE CODE 	CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

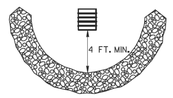
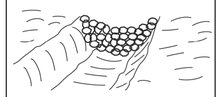
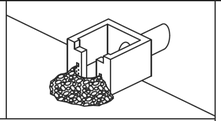
CITY OF ALPHARETTA

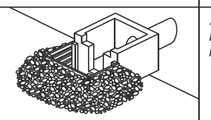
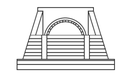
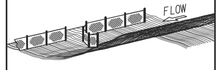
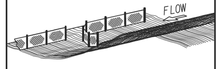
OFFICE: PUBLIC WORKS

EROSION CONTROL LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
52-0004

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
	SYMBOL: Fr		
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	SYMBOL: Rd		
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT, THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
	LINE CODE: Rd-B		
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-I SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
	PATTERN: Rp		
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL: Rt-P		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL: Rt-B		
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
	SYMBOL: Rt-Sg1 Rt-Sg2 Rt-Sg3		
Sdl-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE: A A A Sdl-NS A A A		
Sdl-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
	LINE CODE: C C C Sdl-S C C C		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

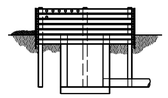
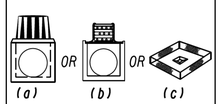
CITY OF ALPHARETTA

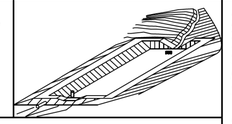
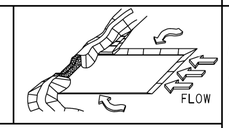
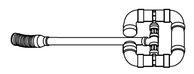
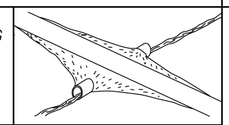
OFFICE: PUBLIC WORKS

EROSION CONTROL LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No. 52-0005

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE * * * (Sd1-BB) * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd4-C		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
	SYMBOL Sk		
Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!
	SYMBOL Sr		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES		

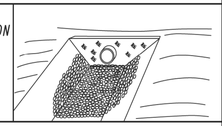
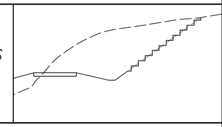
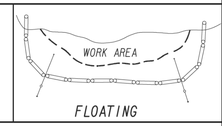
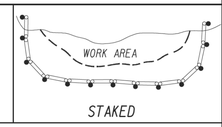
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EROSION CONTROL LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No.
52-0006

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
	SYMBOL St		
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
	PATTERN FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL		
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
	LINE CODE Su		
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	 FLOATING	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
	LINE CODE Tc-F		
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	 STAKED	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.
	LINE CODE Tc-S		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

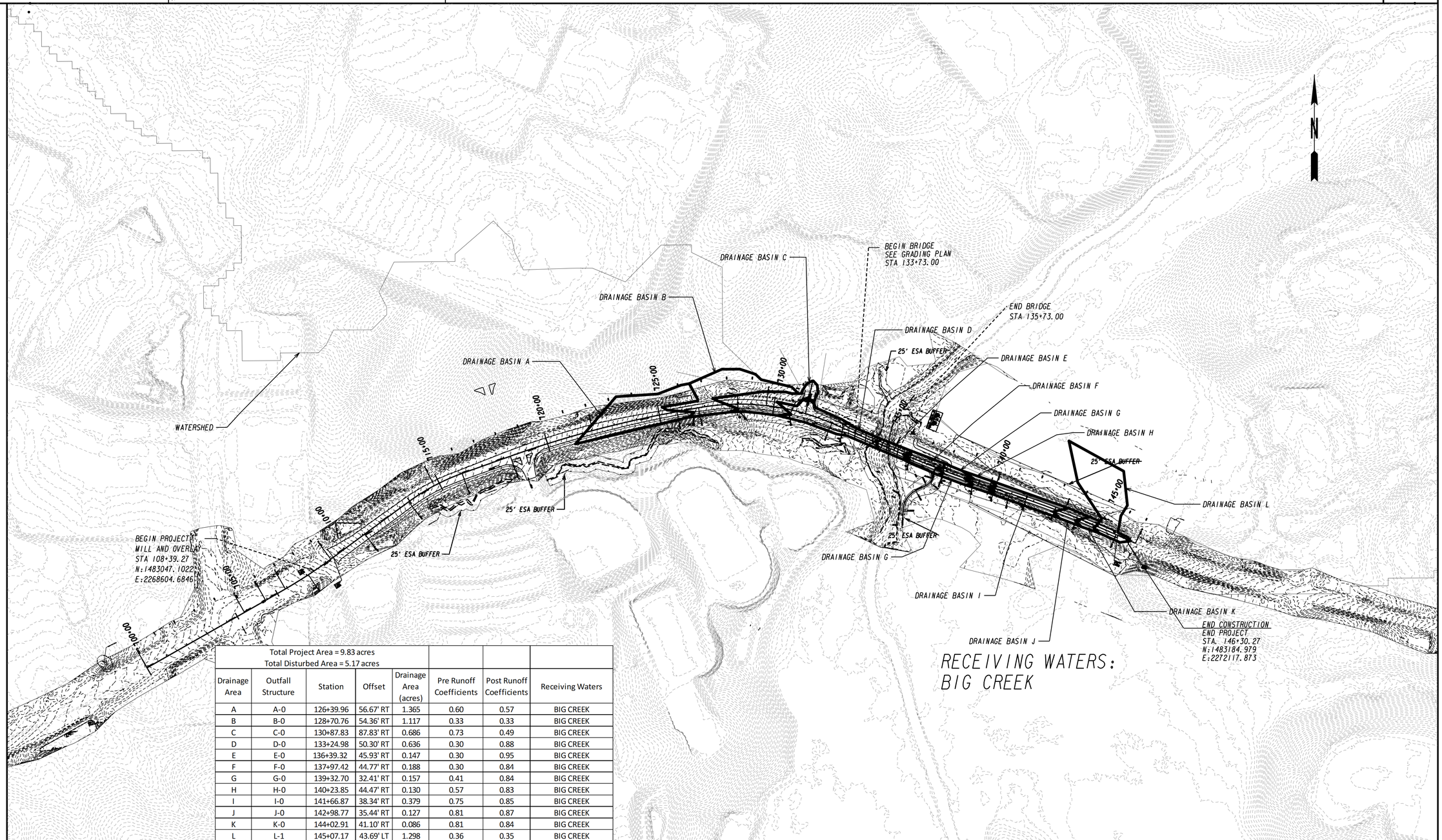
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EROSION CONTROL LEGEND

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO GREENWAY

DRAWING No. 52-0007



Total Project Area = 9.83 acres
Total Disturbed Area = 5.17 acres

Drainage Area	Outfall Structure	Station	Offset	Drainage Area (acres)	Pre Runoff Coefficients	Post Runoff Coefficients	Receiving Waters
A	A-0	126+39.96	56.67' RT	1.365	0.60	0.57	BIG CREEK
B	B-0	128+70.76	54.36' RT	1.117	0.33	0.33	BIG CREEK
C	C-0	130+87.83	87.83' RT	0.686	0.73	0.49	BIG CREEK
D	D-0	133+24.98	50.30' RT	0.636	0.30	0.88	BIG CREEK
E	E-0	136+39.32	45.93' RT	0.147	0.30	0.95	BIG CREEK
F	F-0	137+97.42	44.77' RT	0.188	0.30	0.84	BIG CREEK
G	G-0	139+32.70	32.41' RT	0.157	0.41	0.84	BIG CREEK
H	H-0	140+23.85	44.47' RT	0.130	0.57	0.83	BIG CREEK
I	I-0	141+66.87	38.34' RT	0.379	0.75	0.85	BIG CREEK
J	J-0	142+98.77	35.44' RT	0.127	0.81	0.87	BIG CREEK
K	K-0	144+02.91	41.10' RT	0.086	0.81	0.84	BIG CREEK
L	L-1	145+07.17	43.69' LT	1.298	0.36	0.35	BIG CREEK

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 200 400 800

REVISION DATES

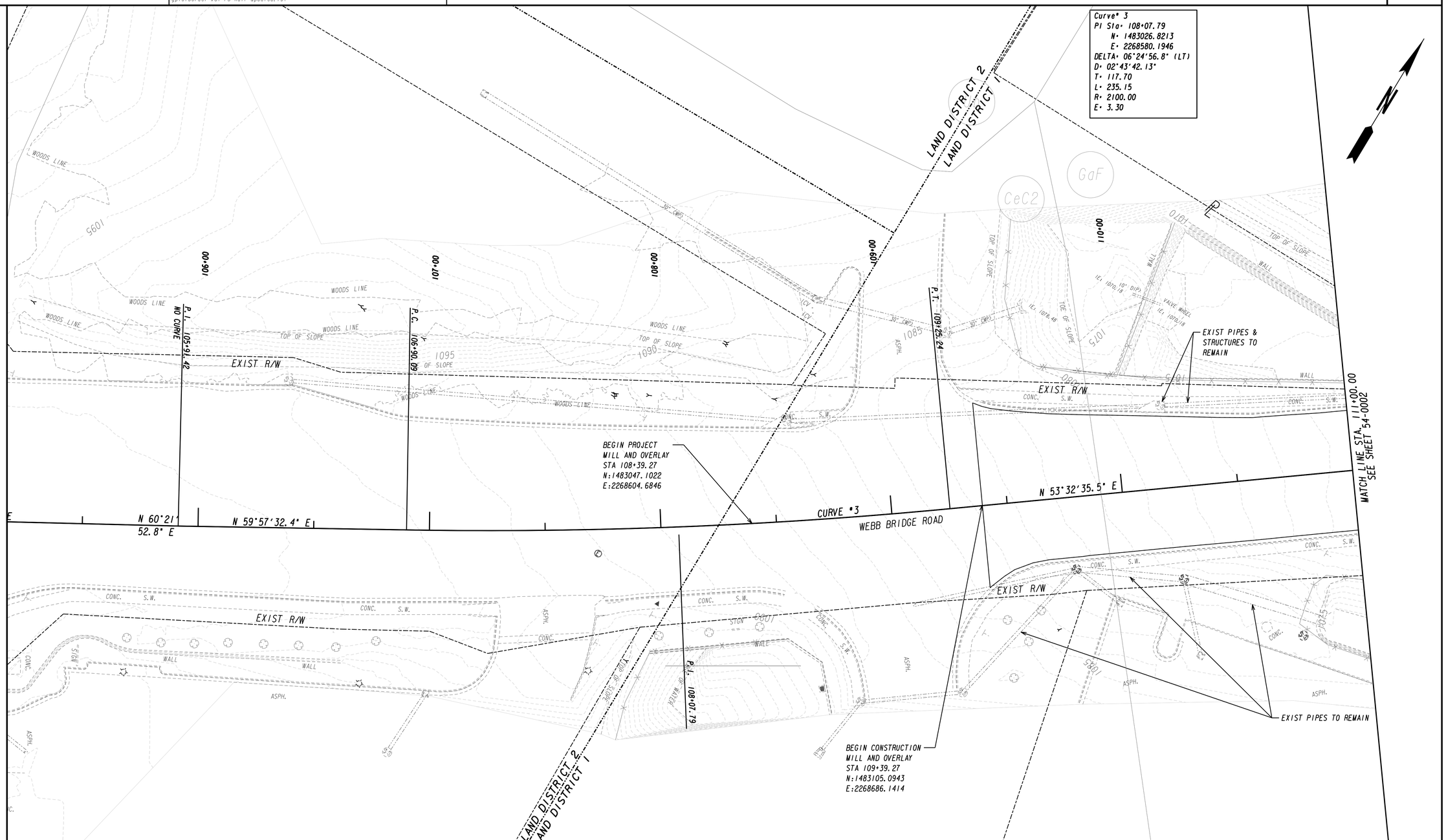
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

EROSION CONTROL DRAINAGE AREA MAP

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
53-0001

9/16/2022 6:23:37 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0001.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

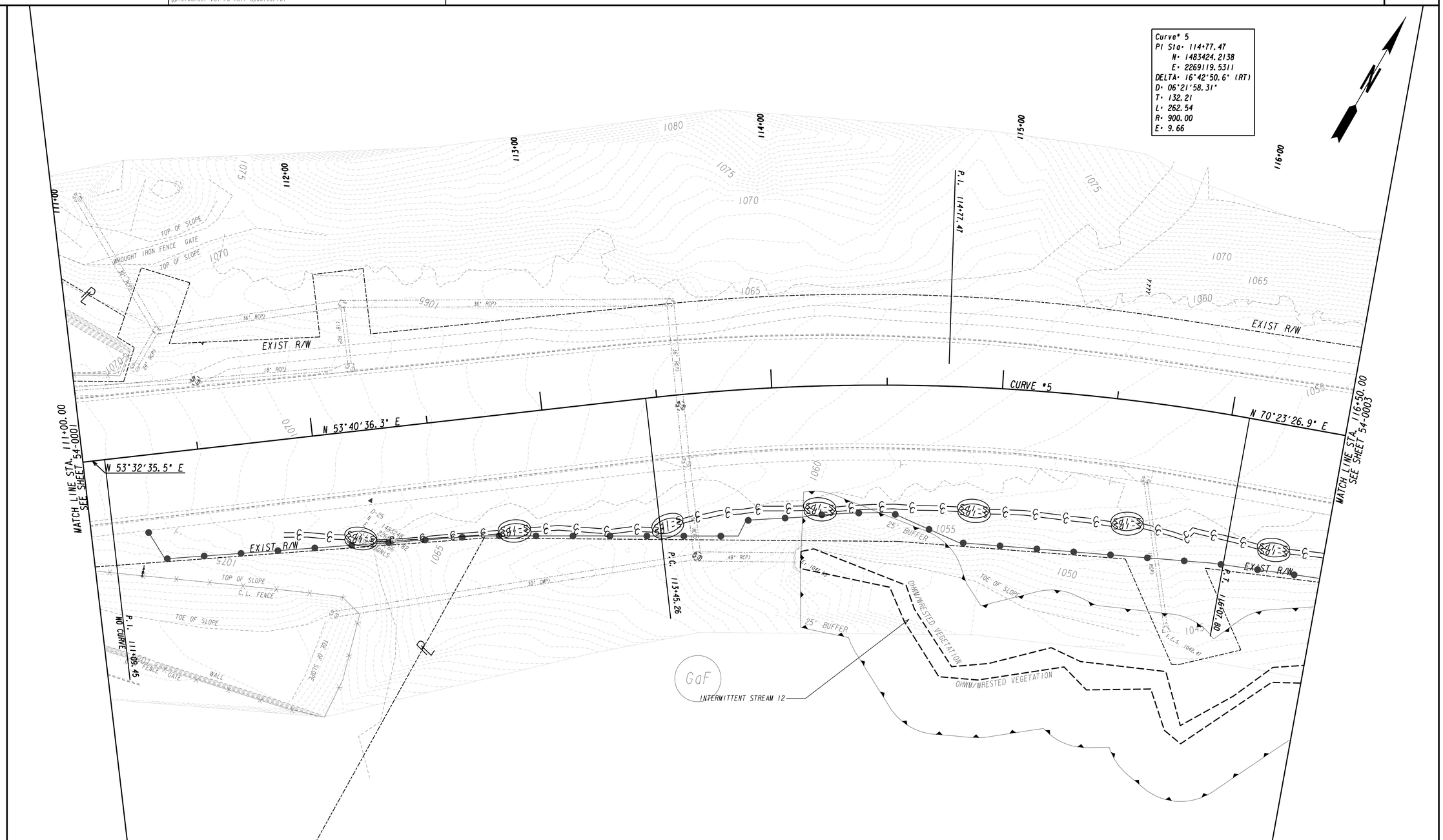
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INITIAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0001

9/16/2022 6:23:55 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0002.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

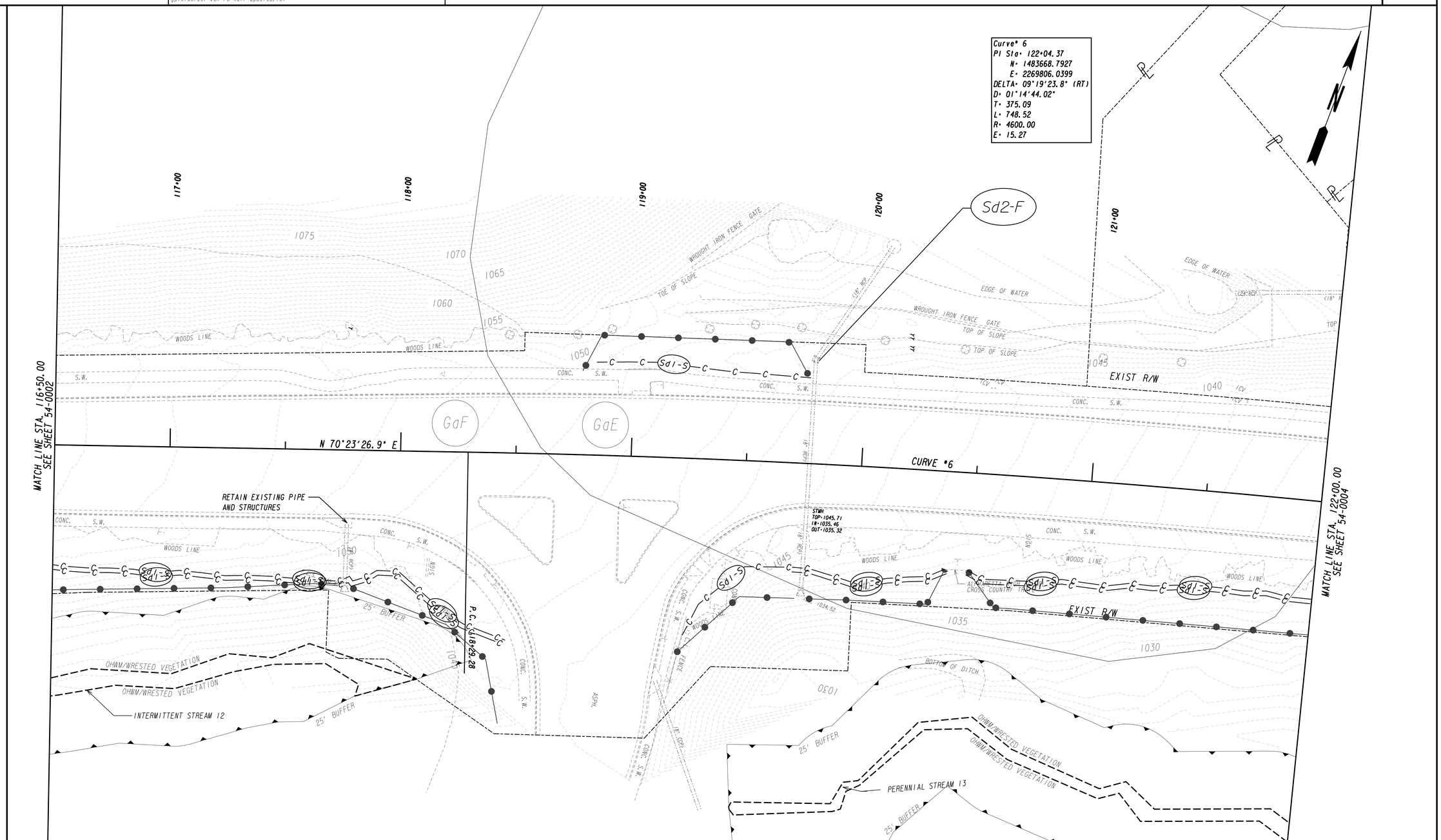
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INITIAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0002

9/16/2022 6:24:16 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0003.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

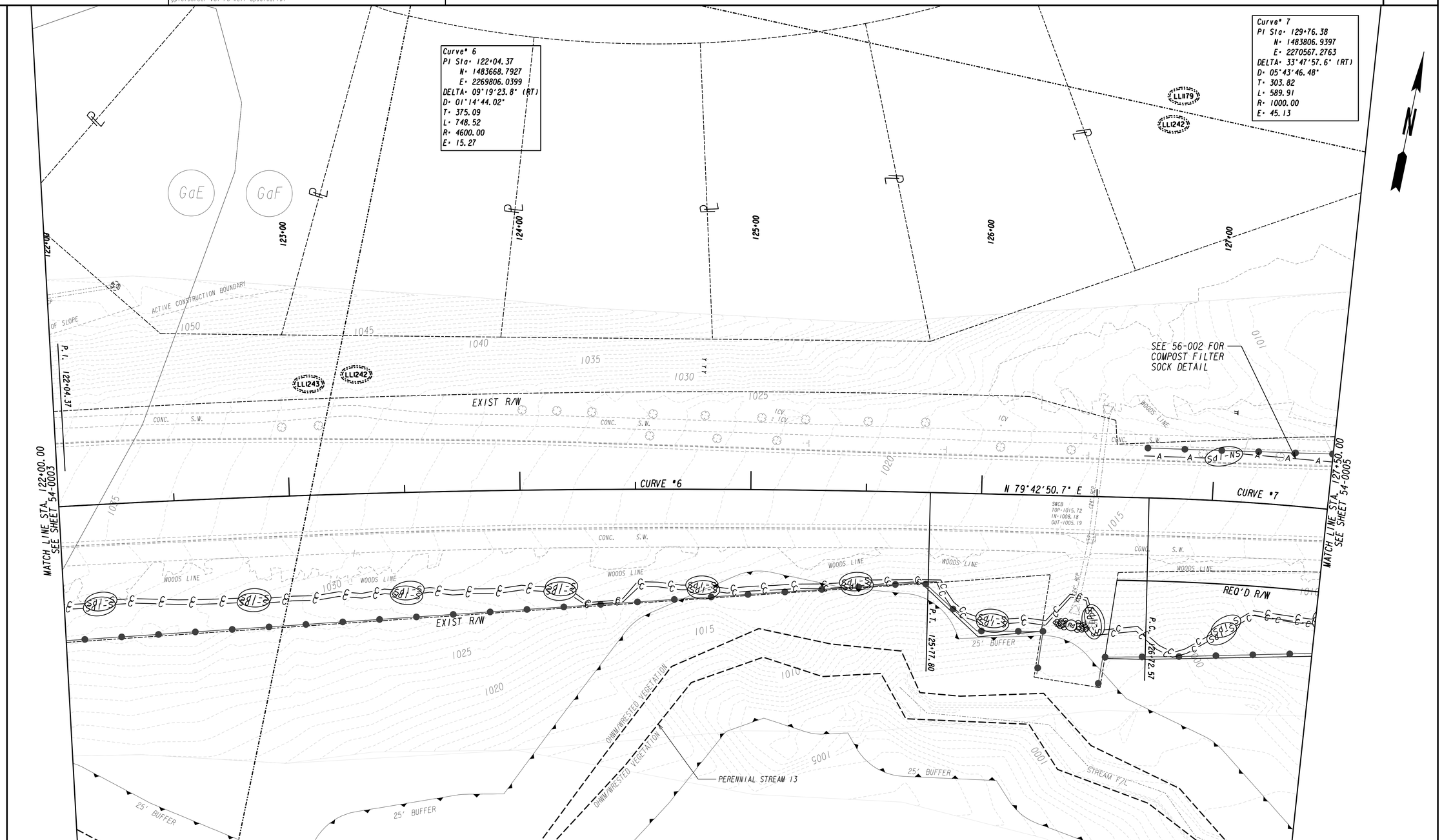
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INITIAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0003

9/16/2022 8:58:31 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0004.dgn
USER:All.Badlee gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

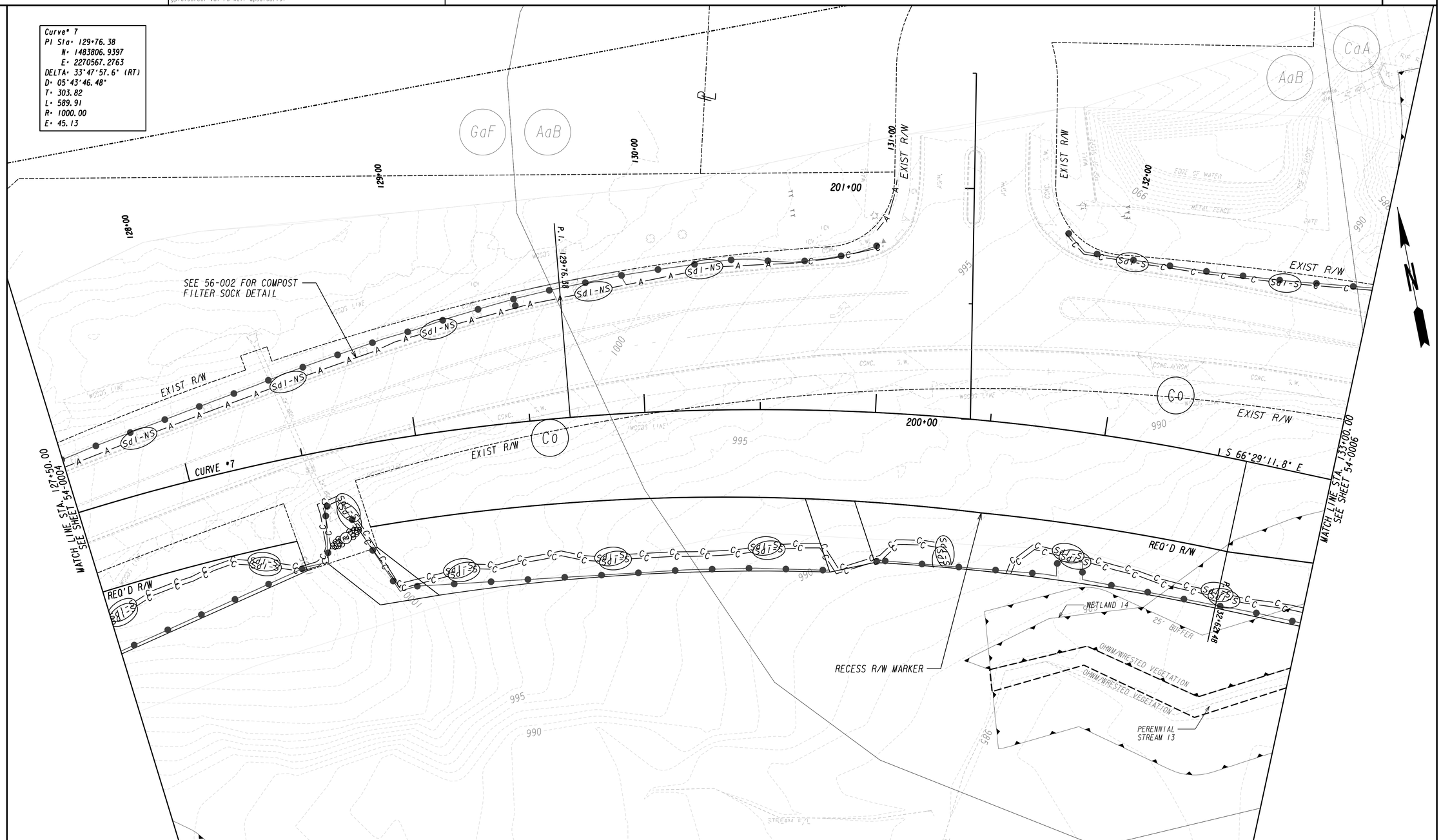
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INITIAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0004

9/16/2022 8:58:50 PM
USER:Ali.Badlee
GPLOT-V8
gplotborder-V8I-PO-half-updated.tbl
X:\FY20\1200980\04.CAD\DGN\1200980_54-0005.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INITIAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0005

9/23/2022 3:57:57 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0006.dgn

WETLAND 15
PERENNIAL STREAM 16
PERENNIAL STREAM 17
TOP OF BANK
25' BUFFER
OHWM
WRESTED VEGETATION
STREAM E/L
BIG CREEK
GUARD RAIL
CONC. S.W.
WEBB BRIDGE ROAD
REQ'D R/W
BIG CREEK GREENWAY
WETLAND 14
PERENNIAL STREAM 13
FLOATING TURBIDITY BARRIER GA DTL D-51
BOTTOM OF DITCH
SWCB TOP:988.25 OUT:984.71
SWCB TOP:988.86 OUT:984.79
SWCB TOP:988.13 OUT:983.47
S 66°29'11.8" E
P.C. 135+56.91
PI 301+23.86
PC 300+62.52
PI 301+72.56
PT 302+63.16
PC 302+22.72
PI 302+44.12
PI 137+96.69
MATCH LINE STA. 133+00.00 SEE SHEET 54-0005
MATCH LINE STA. 302+00.00 SEE INSET A
MATCH LINE STA. 302+00.00 SEE THIS SHEET
MATCH LINE STA. 138+50.00 SEE SHEET 54-0007

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

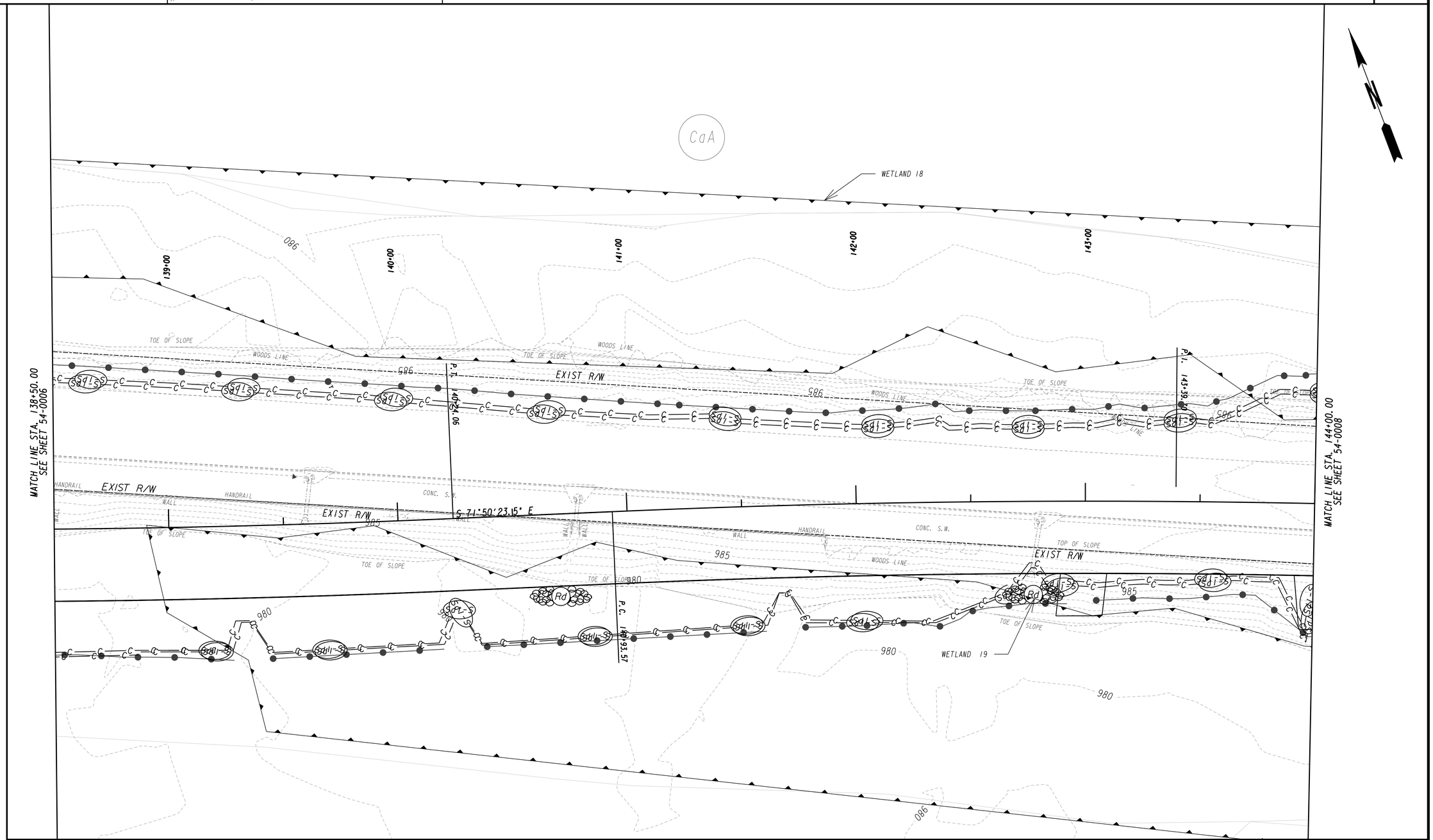
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INITIAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0006

9/23/2022 4:11:55 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0007.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

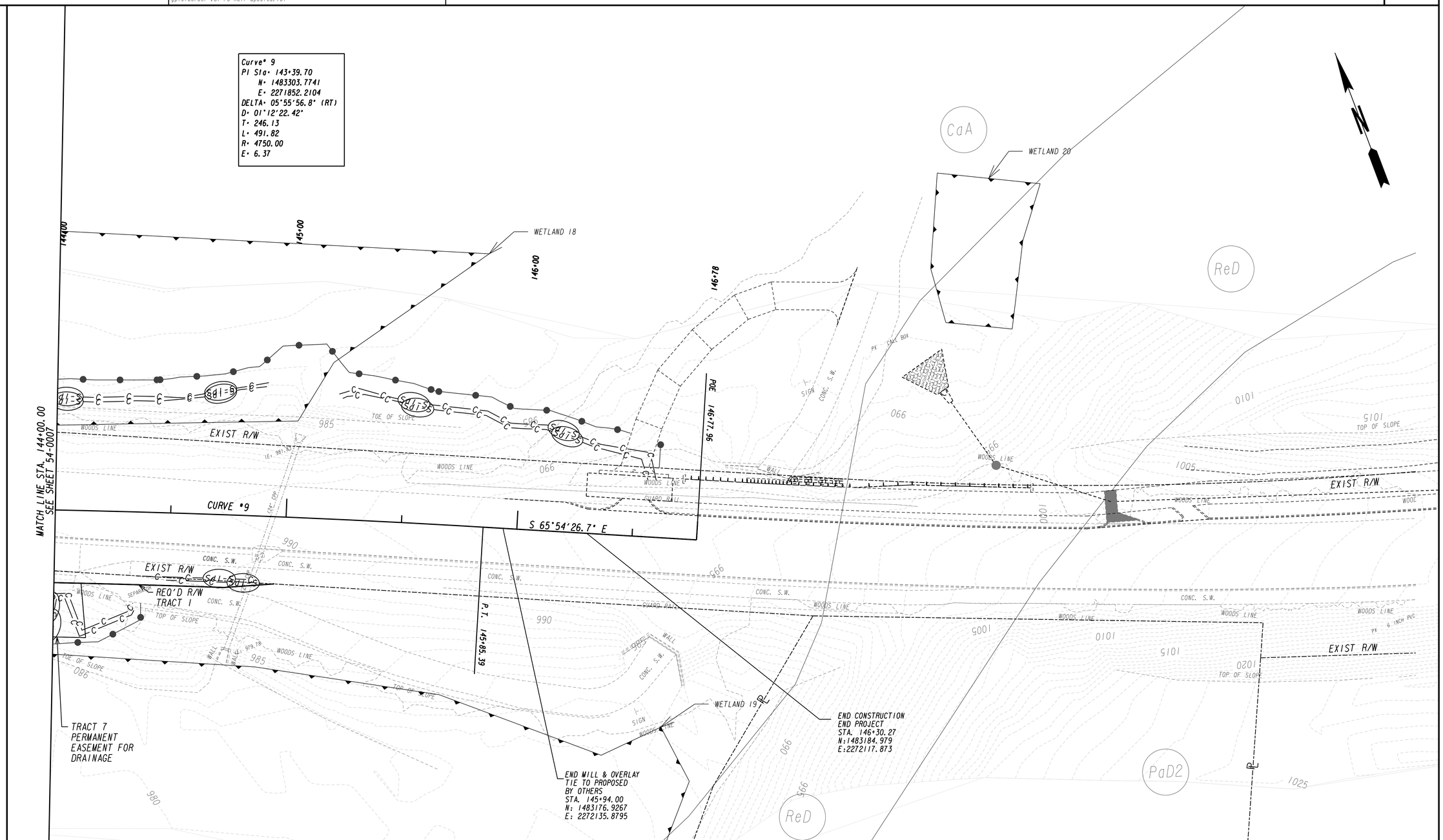
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INITIAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0007

9/16/2022 6:26:35 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0008.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

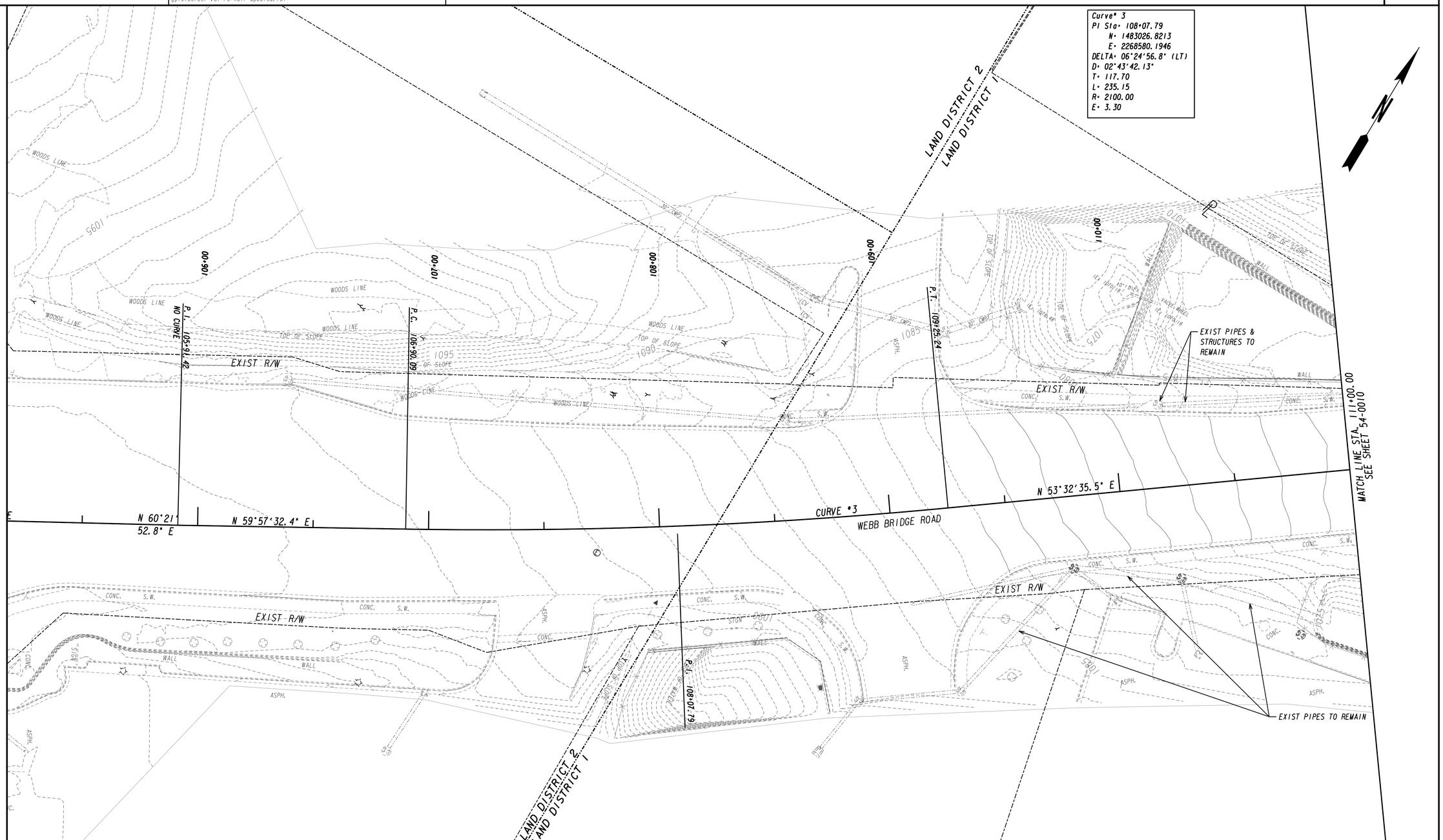
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INITIAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0008

9/16/2022 6:27:07 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0009.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INTERMEDIATE STAGE 1

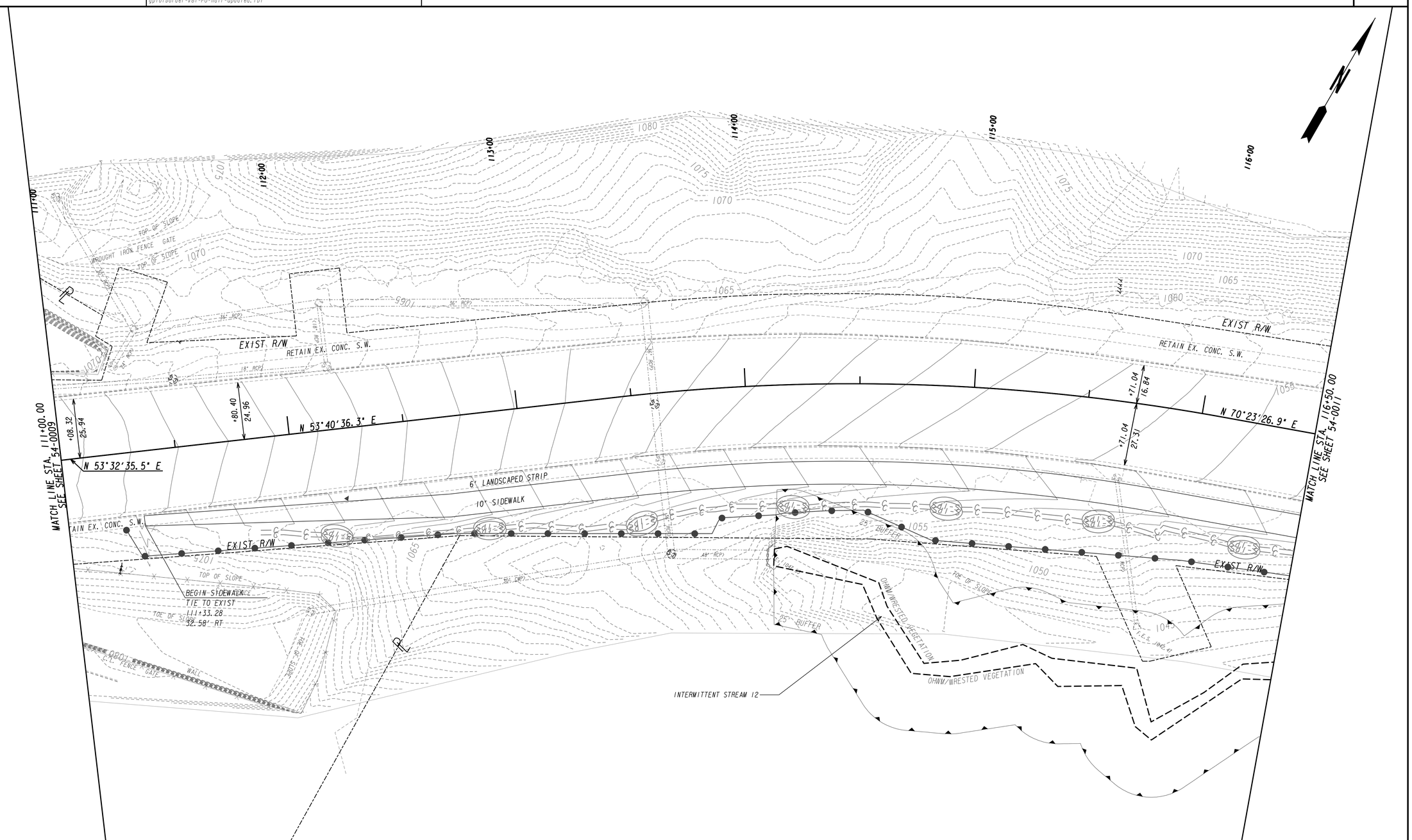
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0009

9/16/2022 6:27:33 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0010.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

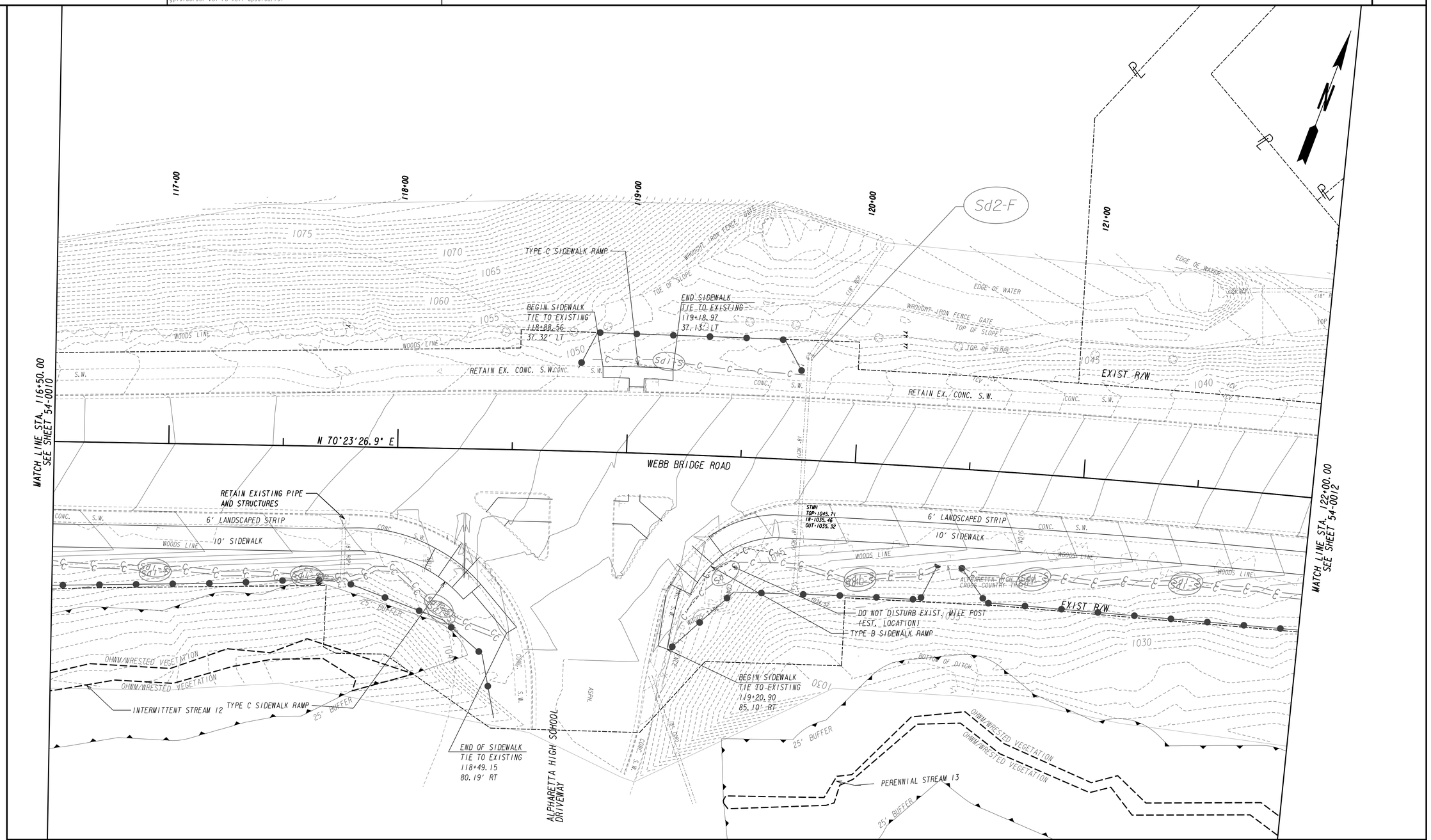
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INTERMEDIATE STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0010

9/16/2022 6:27:54 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0011.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INTERMEDIATE STAGE 1

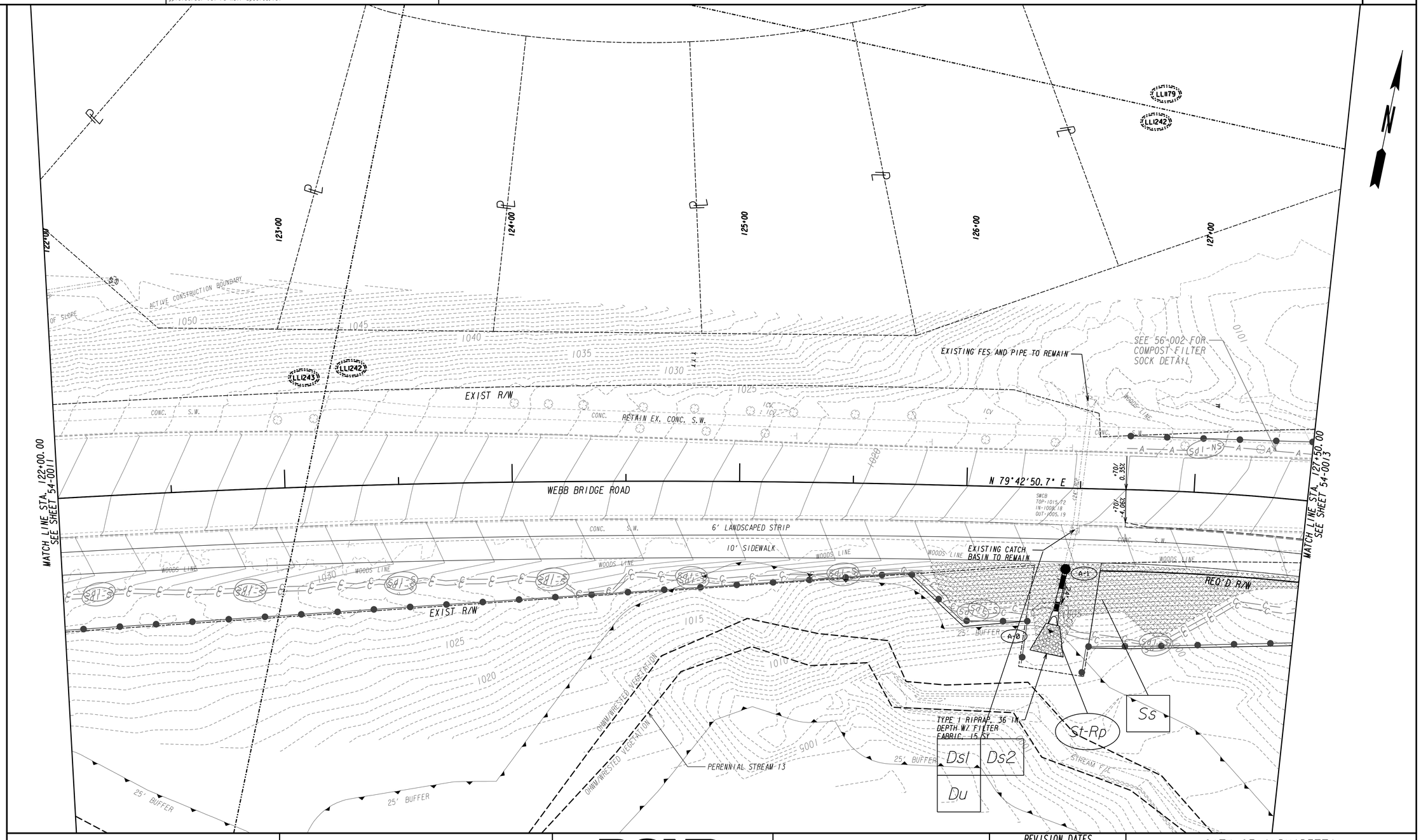
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0011

9/16/2022 6:28:35 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0012.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

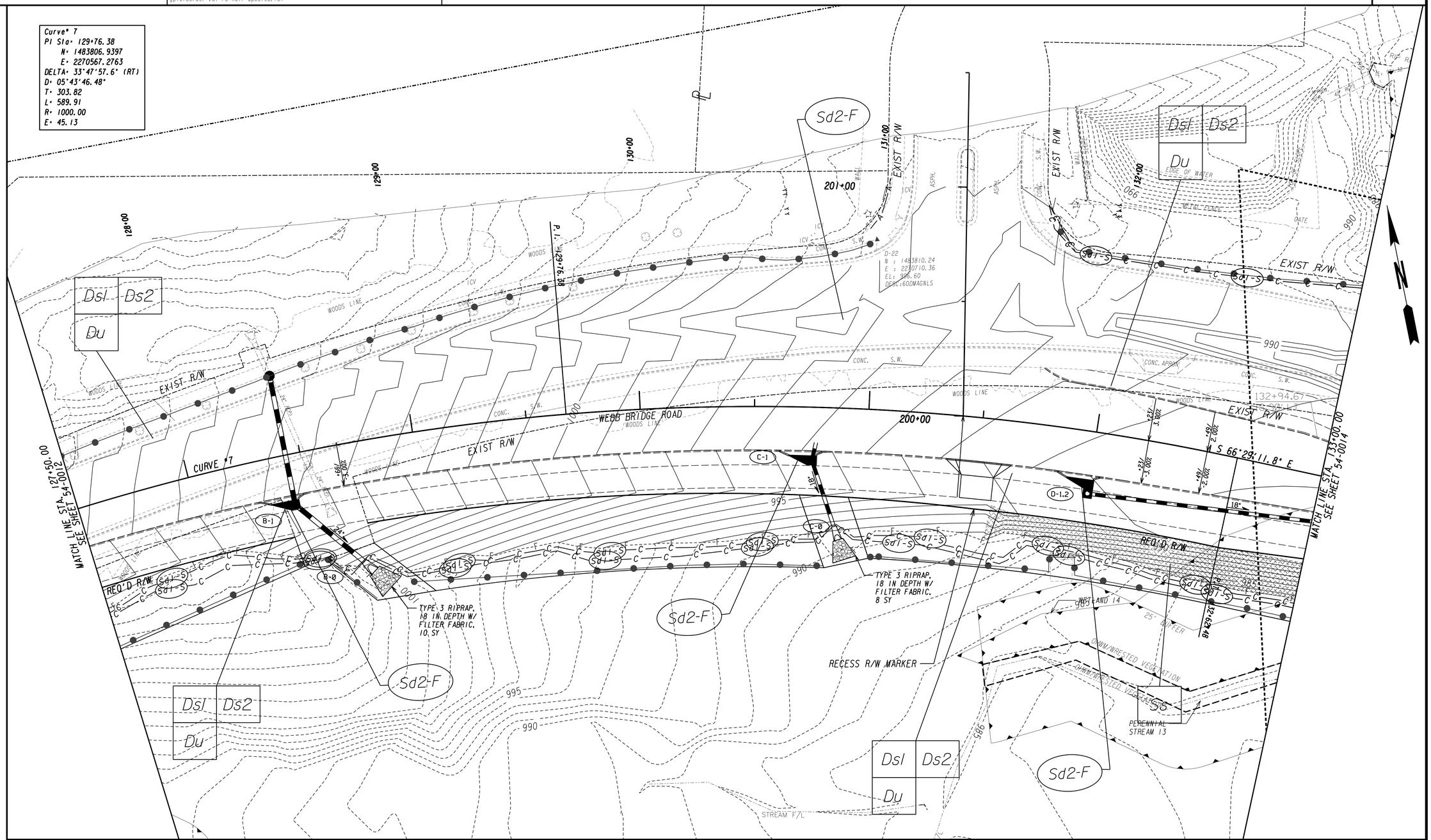
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INTERMEDIATE STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0012

9/25/2022 9:58:56 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0013.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

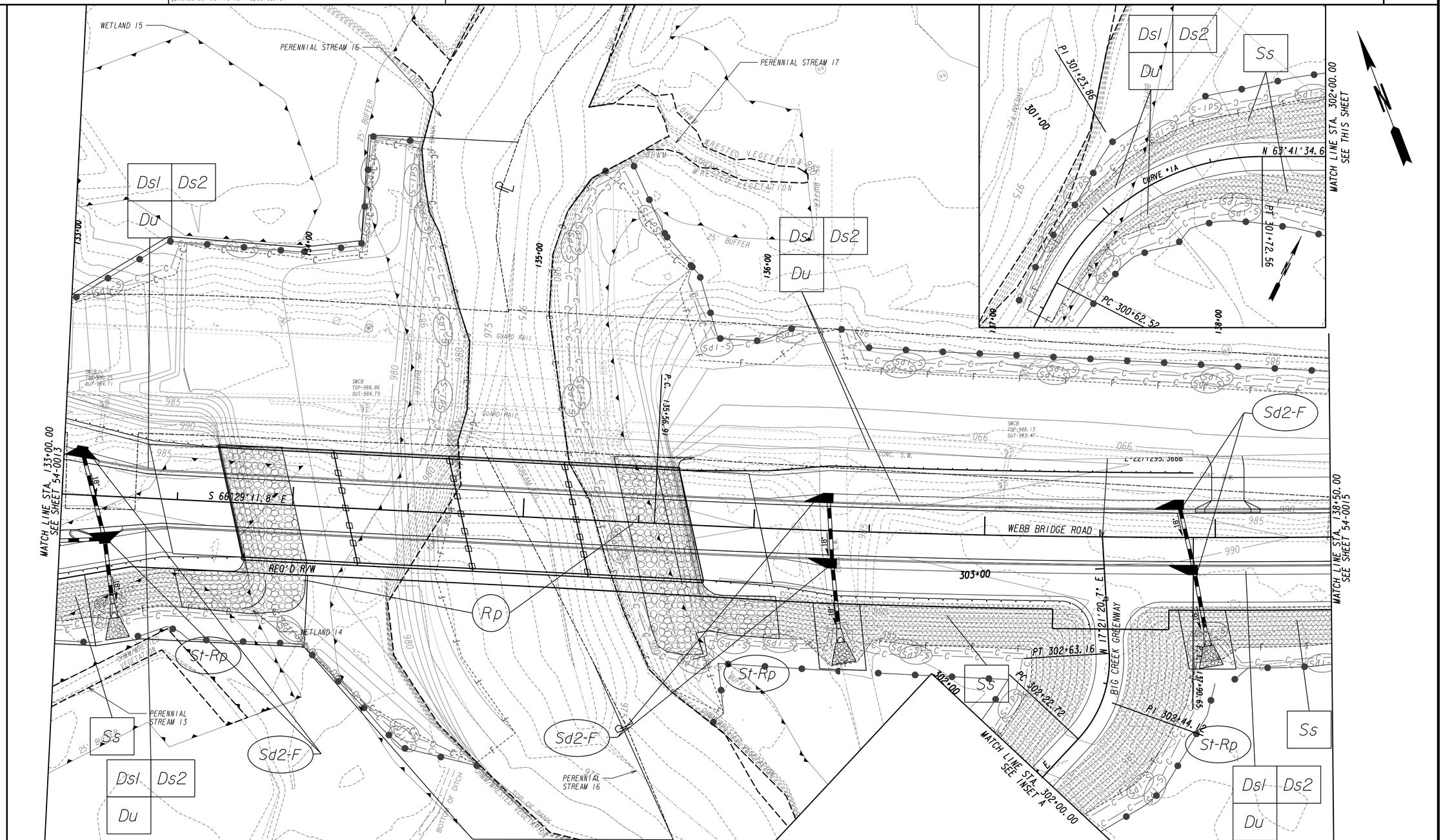
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INTERMEDIATE STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0013

9/25/2022 9:45:30 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0014.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

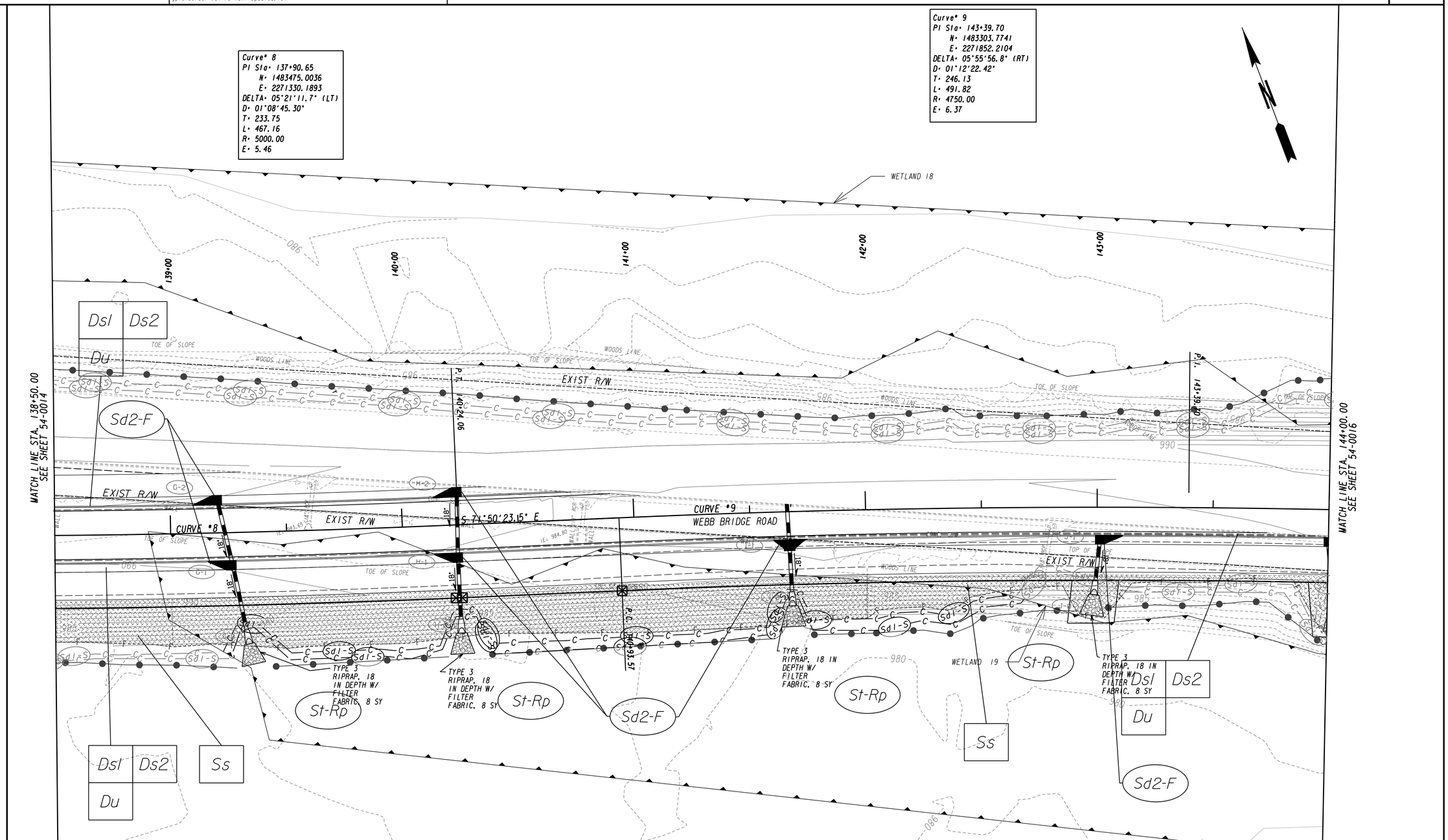
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INTERMEDIATE STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0014

9/16/2022 6:30:38 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0015.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INTERMEDIATE STAGE 1

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0015

Curve* 9
PI Sta* 143+39.70
N* 1483303.7741
E* 2271852.2104
DELTA* 05°55'56.8" (RT)
D* 01°12'22.42"
T* 246.13
L* 491.82
R* 4750.00
E* 6.37

MATCH LINE STA. 144+00.00
SEE SHEET 54-0015

WETLAND 18
WETLAND 20
WETLAND 19
CURVE #9
S 65°54'26.7" E
P.T. 145+85.39
P.C. 146+77.96
EXIST R/W
REQ'D R/W
TRACT I
TYPE 3 RIPRAP 18 IN DEPTH W/ FILTER FABRIC. 8 SY
TRACT I PERMANENT EASEMENT FOR DRAINAGE
WOODS LINE
TOP OF SLOPE
CONC. S.W.
GUARD RAIL
SIGN
144+00
145+00
146+00
146+78

Dsl | Ds2
Du
St-Rp

N

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

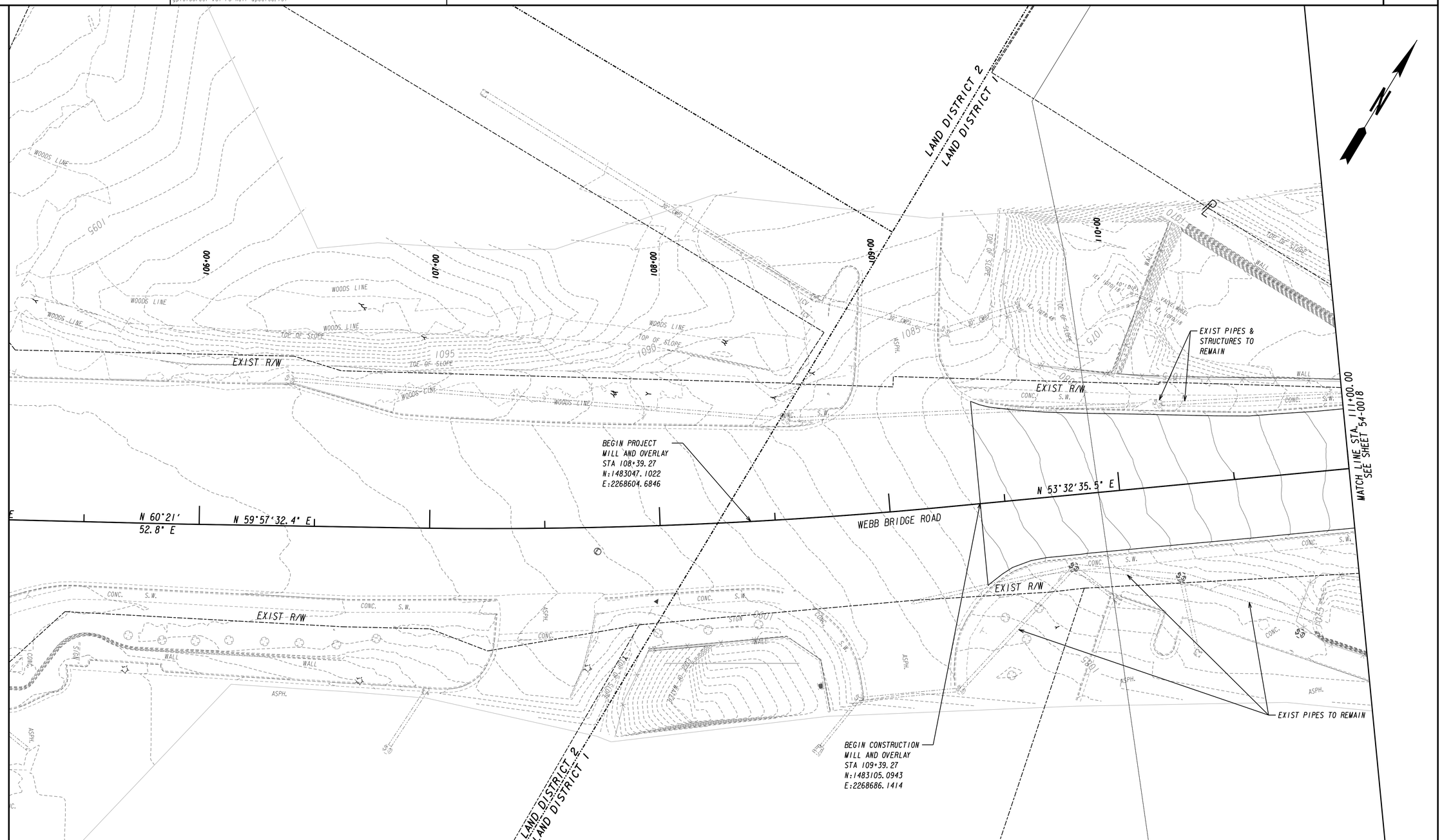
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
BMP LOCATION DETAILS
INTERMEDIATE STAGE 1
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No.
54-0016

9/16/2022 6:32:16 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0017.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

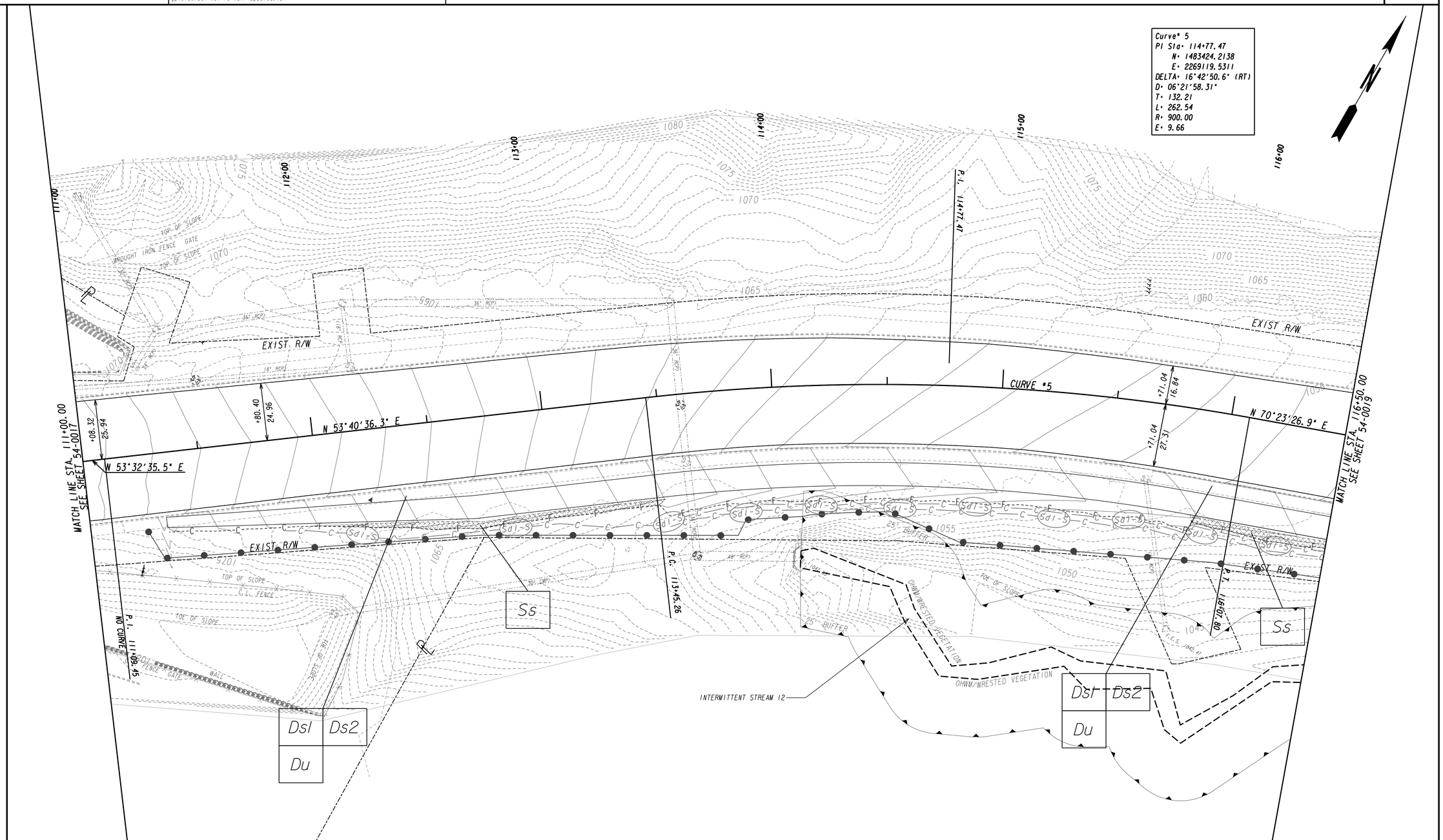
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INTERMEDIATE STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0017

9/16/2022 6:32:46 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0018.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

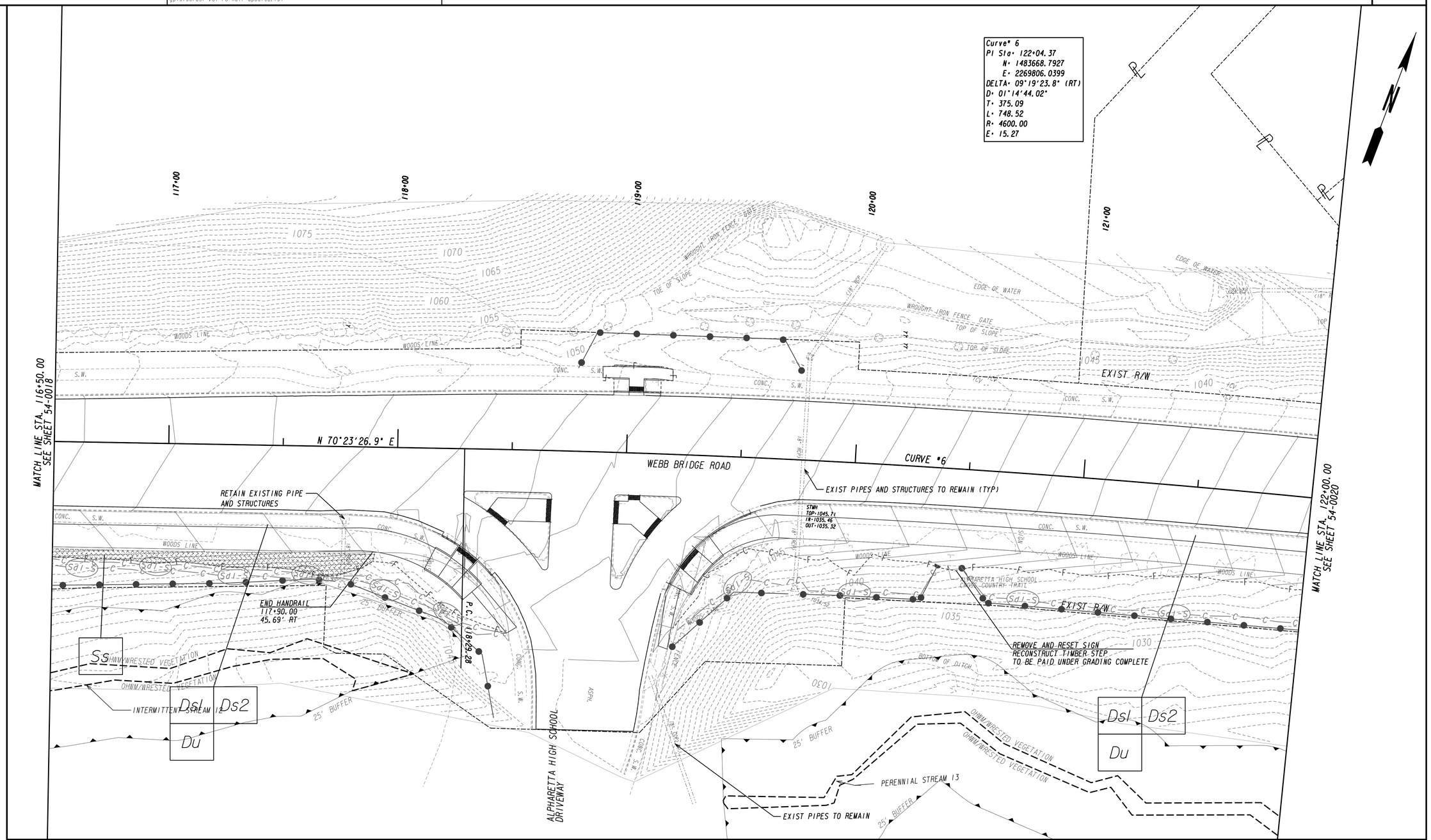
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INTERMEDIATE STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0018

9/16/2022 6:33:08 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0019.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INTERMEDIATE STAGE 2

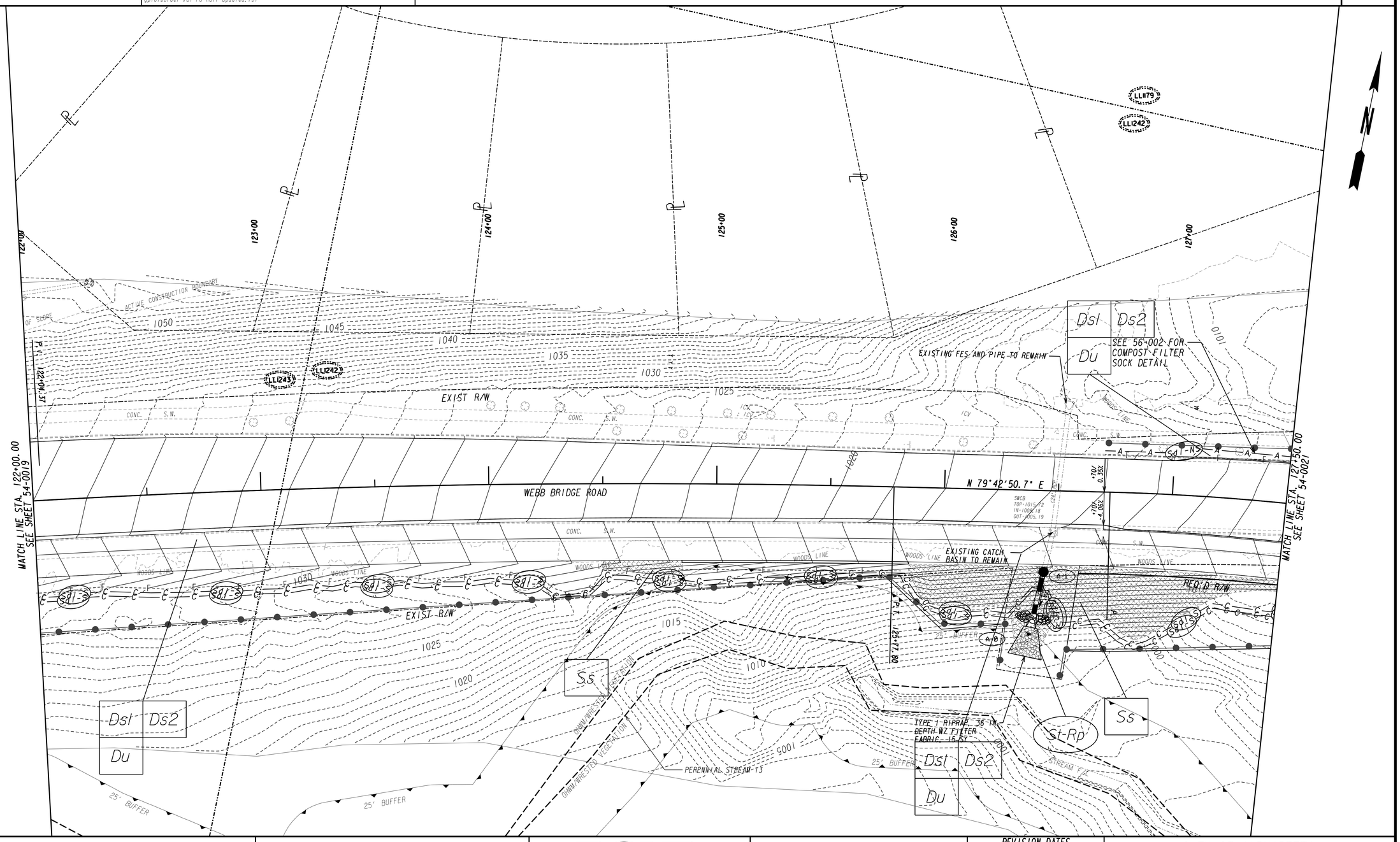
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0019

9/25/2022 10:05:23 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0020.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

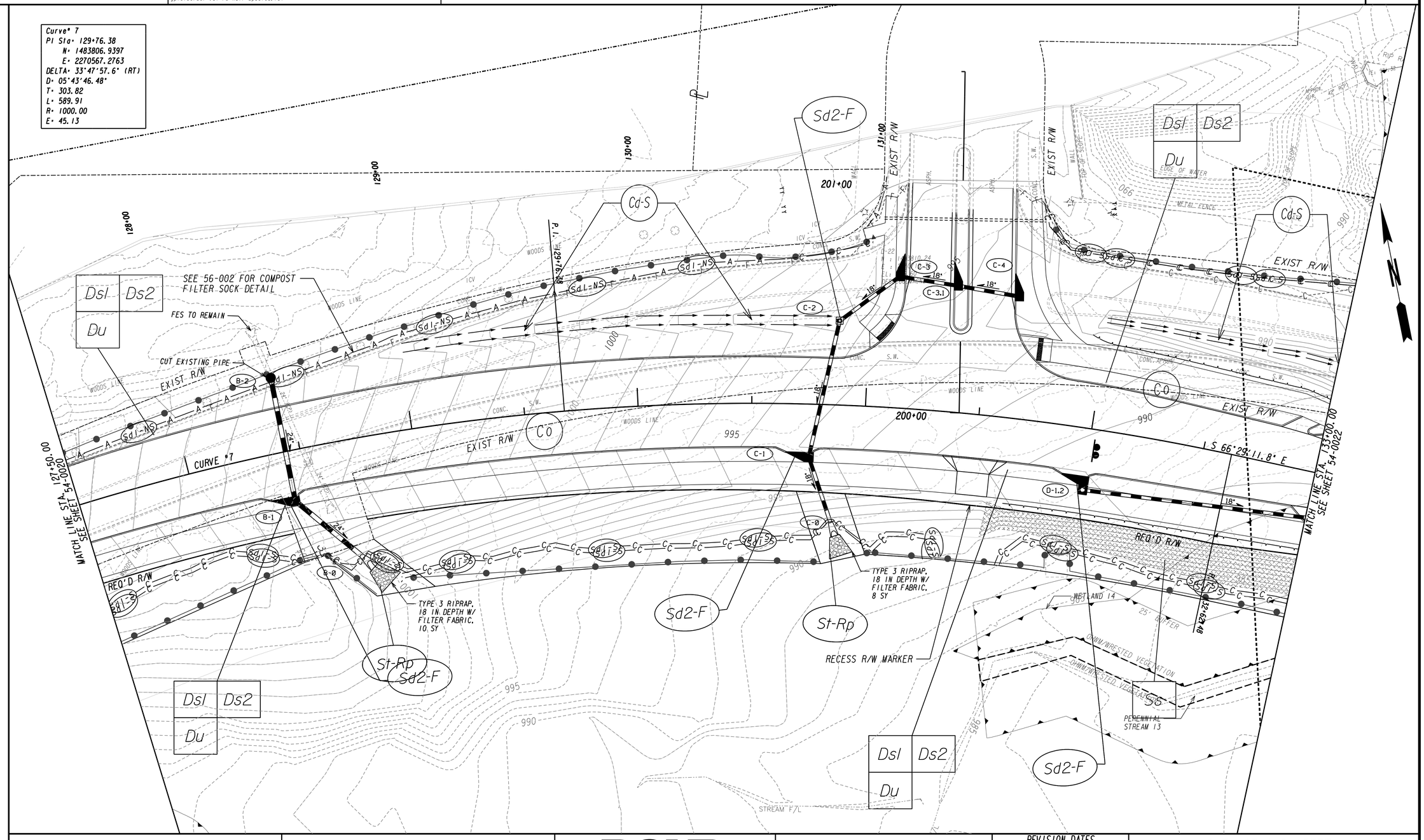
BMP LOCATION DETAILS INTERMEDIATE STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0020

9/25/2022 10:26:52 PM | GPLOT-V8 | X:\FY20\1200980\04.CAD\DGN\1200980_54-0021.dgn
USER:LopezA | gplotborder-V81-PO-half-updated.tbl

Curve# 7
PI Sta= 129+76.38
N= 1483806.9397
E= 2270567.2763
DELTA= 33°47'57.6" (RT)
D= 05°43'46.48"
T= 303.82
L= 589.91
R= 1000.00
E= 45.13



POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

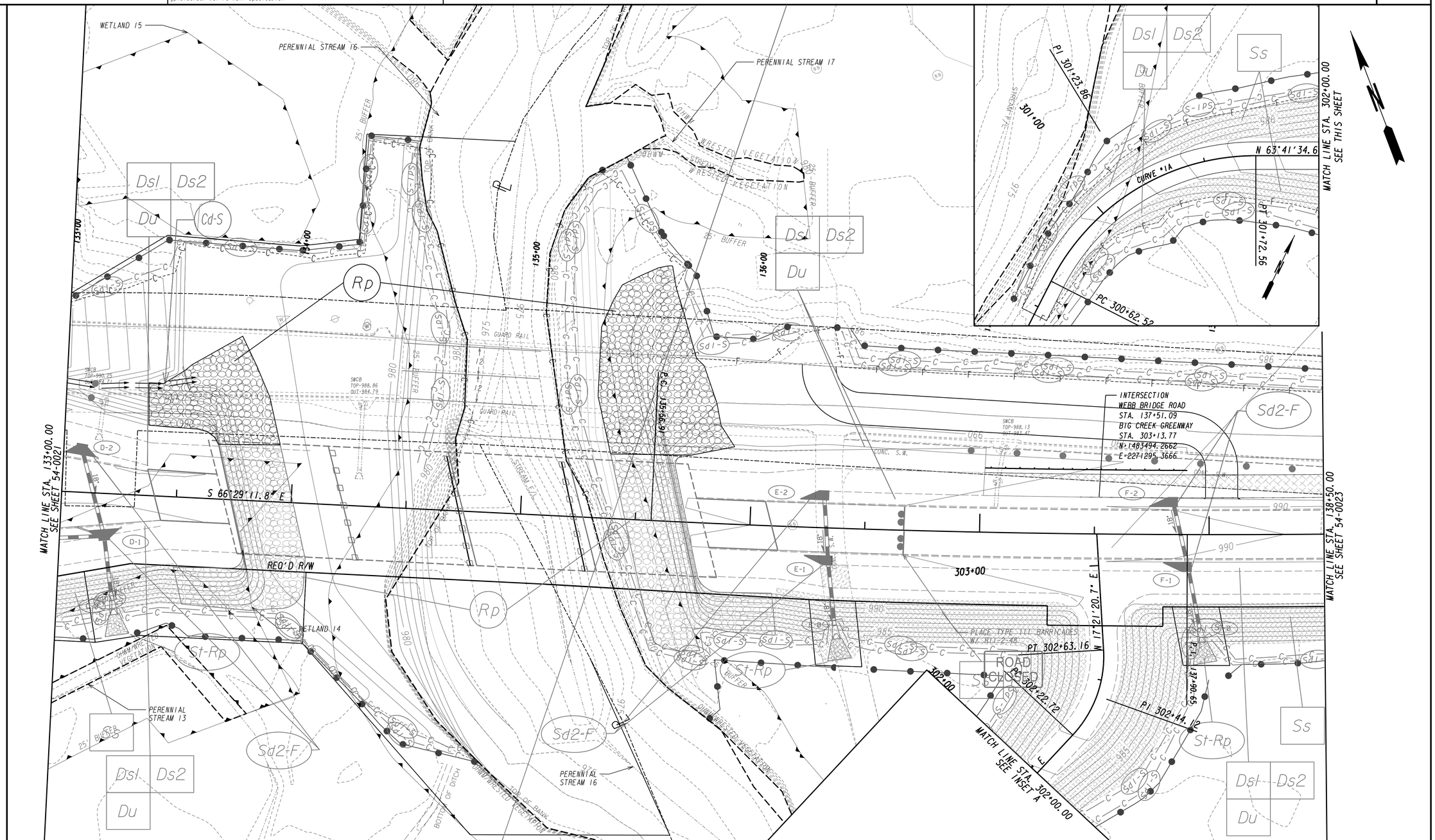
CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INTERMEDIATE STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0021

9/16/2022 6:35:44 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0022.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INTERMEDIATE STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0022

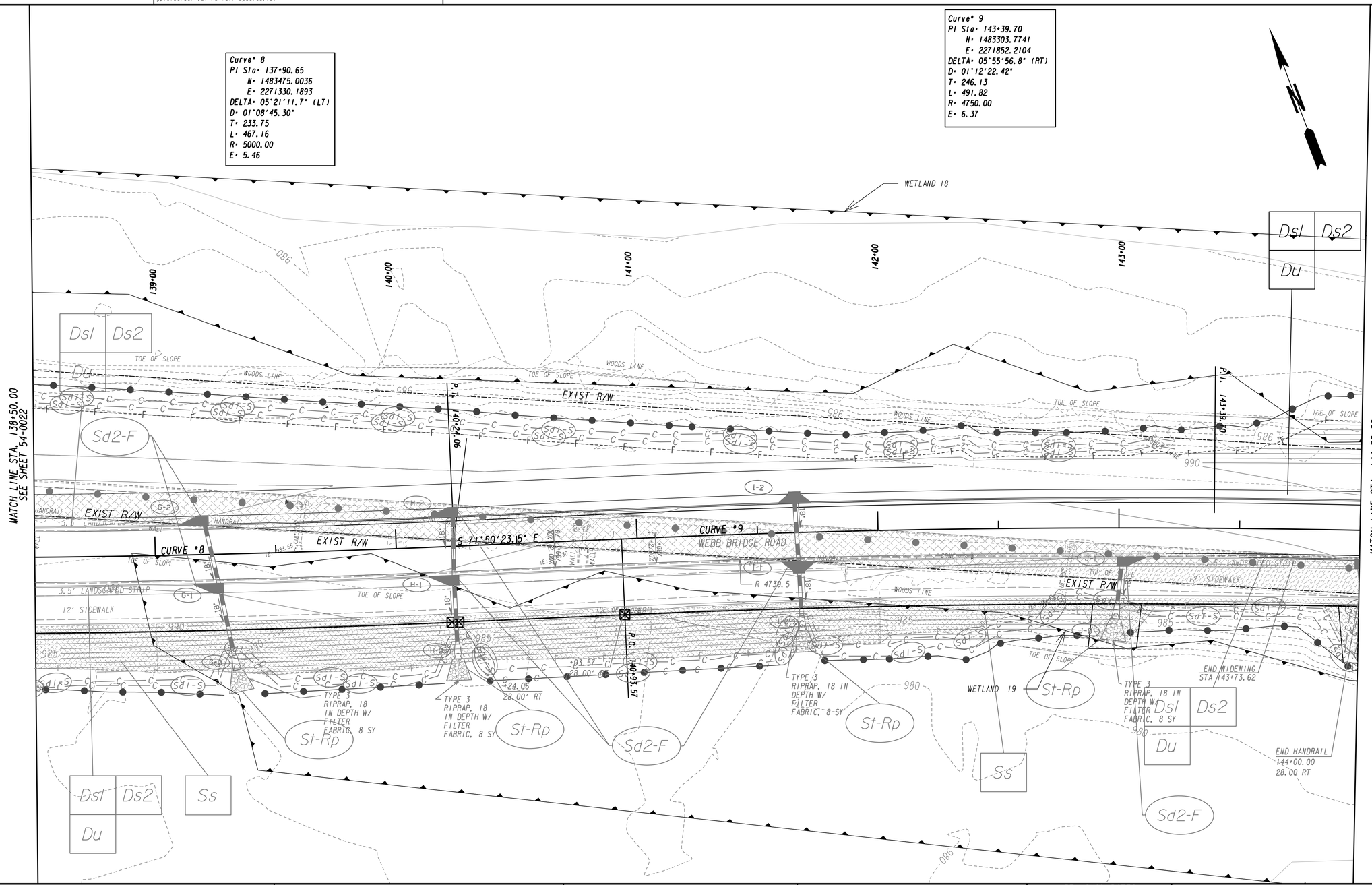
9/16/2022 6:36:14 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0023.dgn

Curve* 8
PI Sta* 137+90.65
N* 1483475.0036
E* 2271330.1893
DELTA* 05°21'11.7" (LT)
D* 01°08'45.30"
T* 233.75
L* 467.16
R* 5000.00
E* 5.46

Curve* 9
PI Sta* 143+39.70
N* 1483303.7741
E* 2271852.2104
DELTA* 05°55'56.8" (RT)
D* 01°12'22.42"
T* 246.13
L* 491.82
R* 4750.00
E* 6.37



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

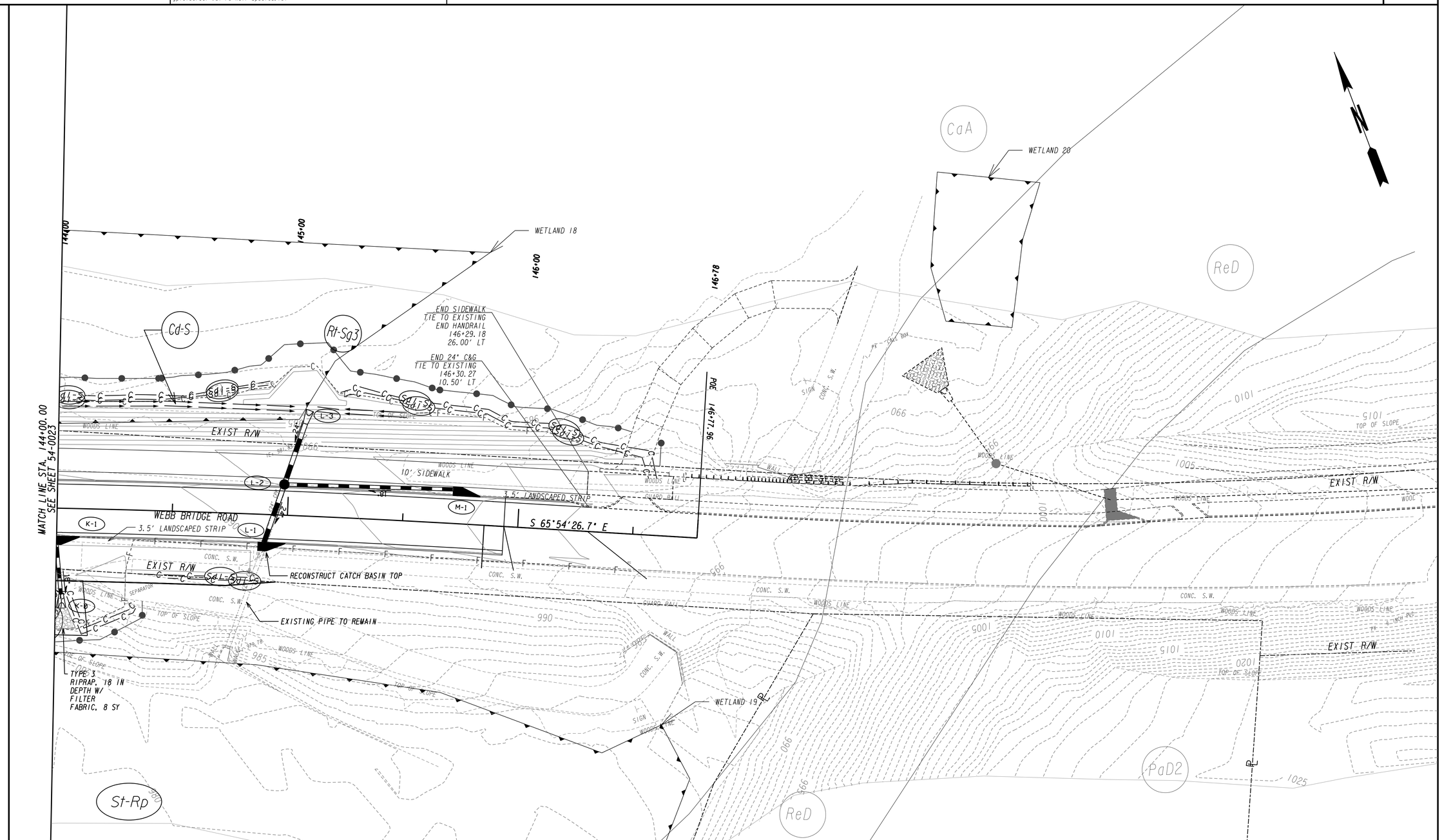
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS INTERMEDIATE STAGE 2

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0023

9/16/2022 6:37:09 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0024.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
INTERMEDIATE STAGE 2

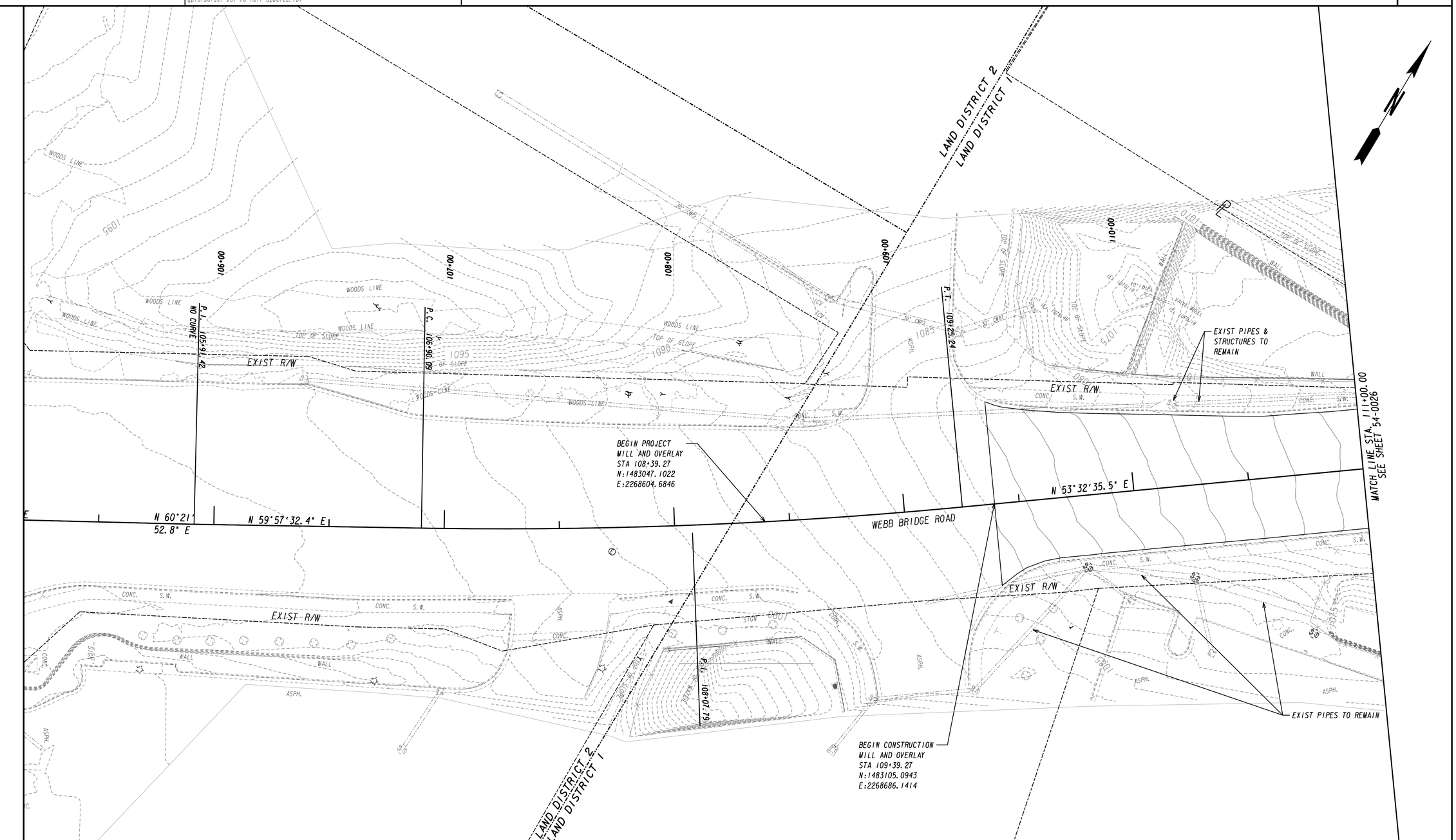
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0024

9/16/2022 6:37:32 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0025.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

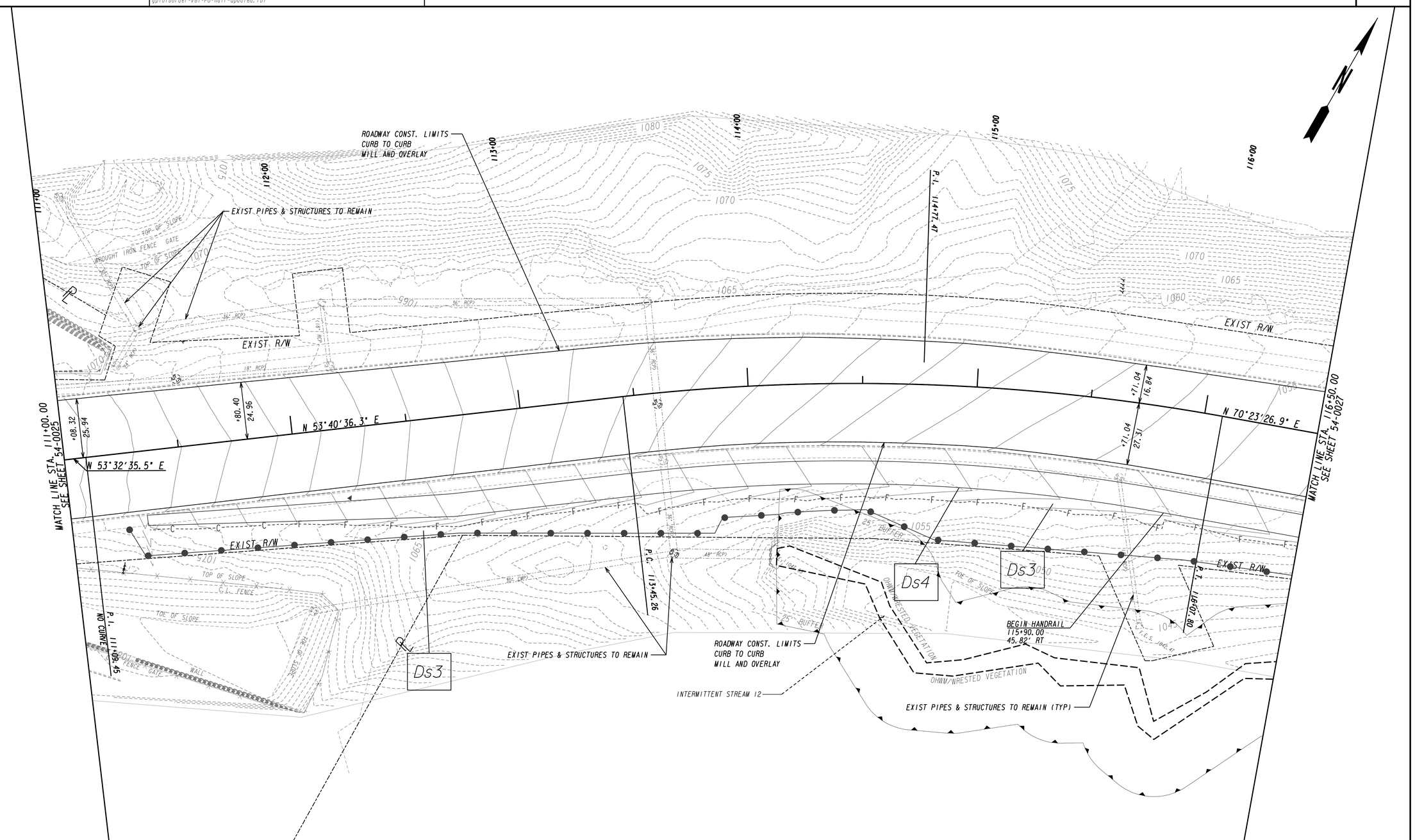
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS FINAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0025

9/16/2022 6:38:02 PM | GPLOT-V8 | X:\FY20\1200980\04.CAD\DGN\1200980_54-0026.dgn
USER:LopezA | gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS FINAL STAGE

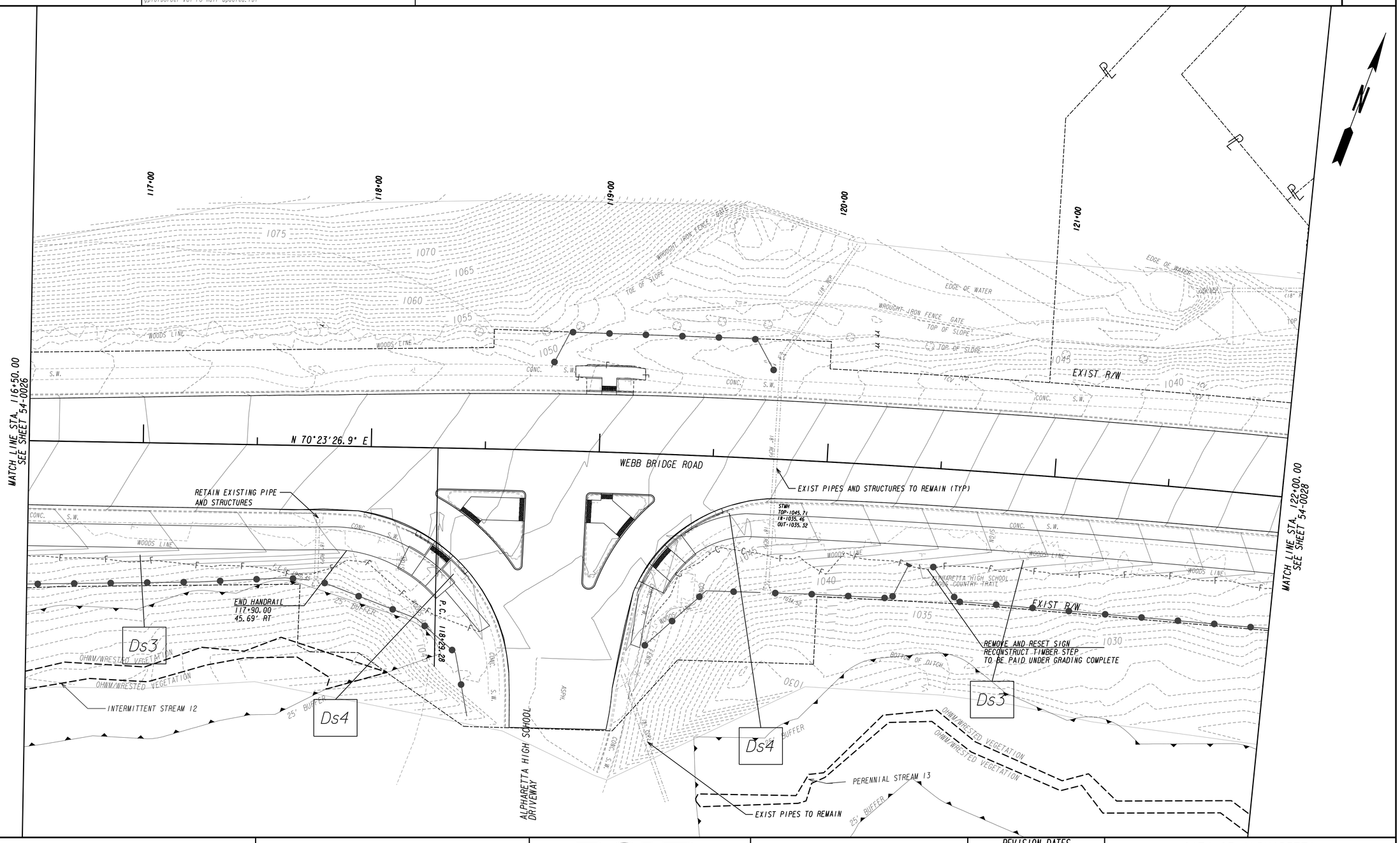
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 54-0026

9/16/2022 6:38:22 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0027.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS FINAL STAGE

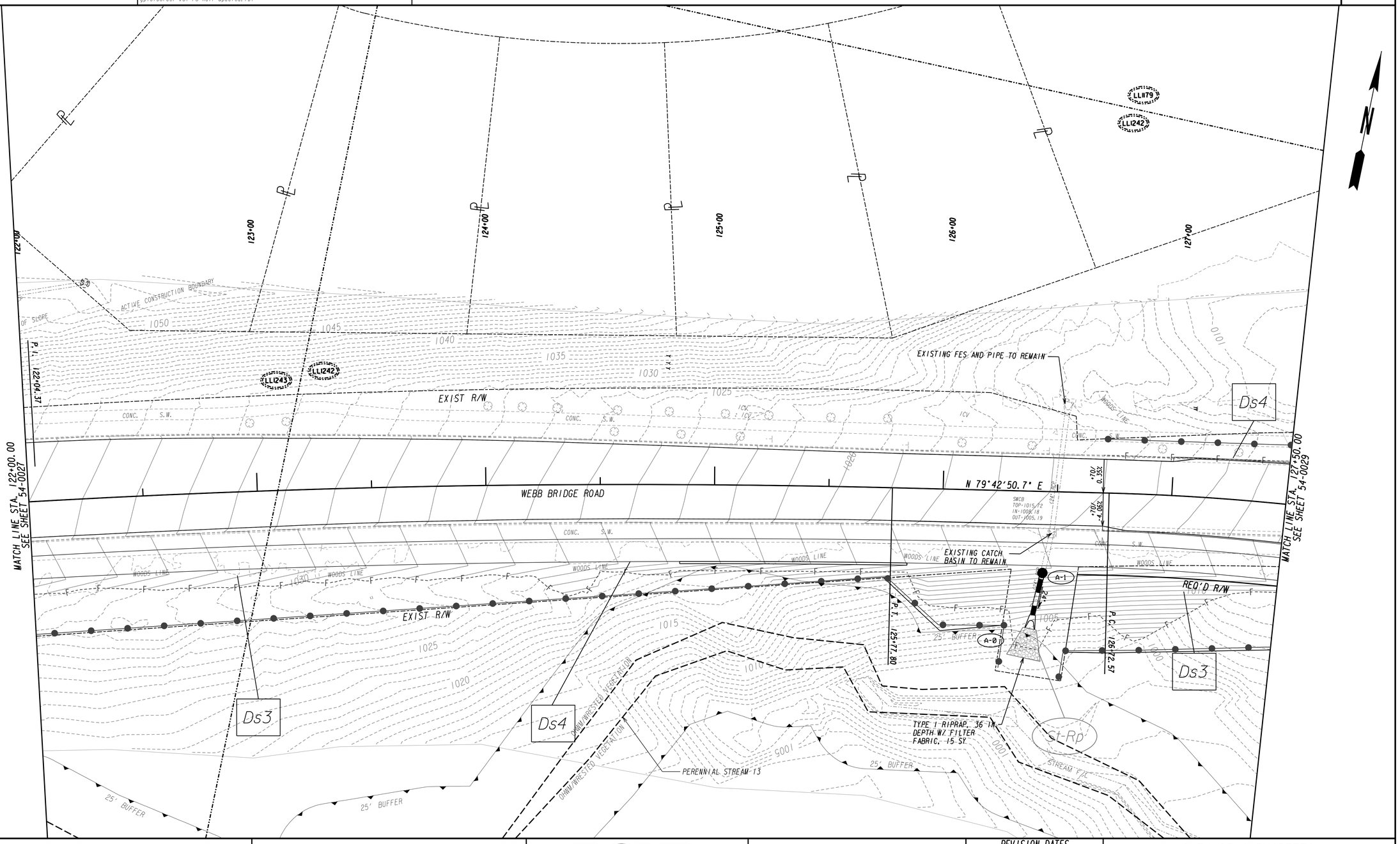
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0027

9/16/2022 6:38:55 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_54-0028.dgn



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		

CITY OF ALPHARETTA

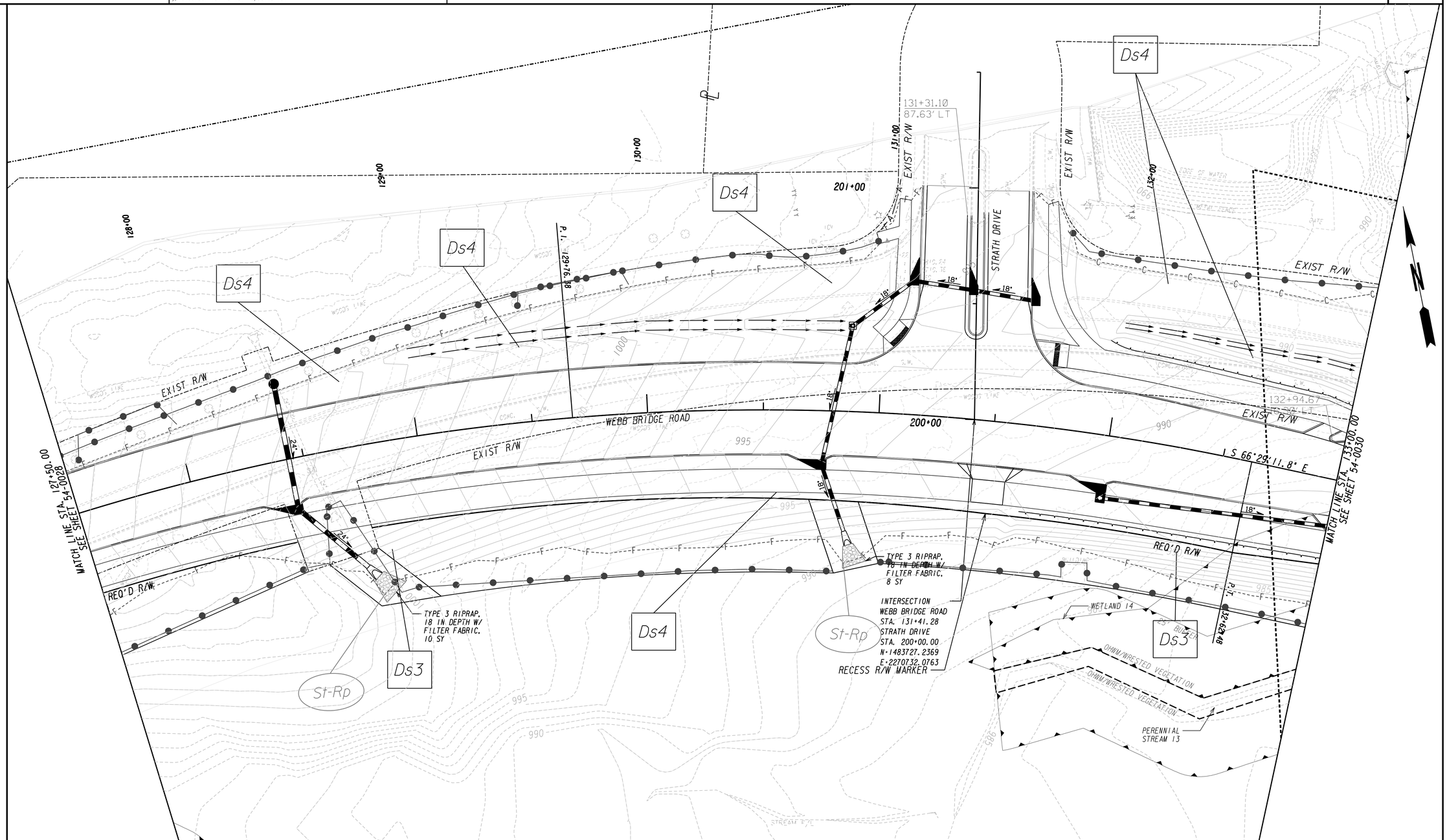
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS FINAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0028

9/16/2022 6:39:30 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0029.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

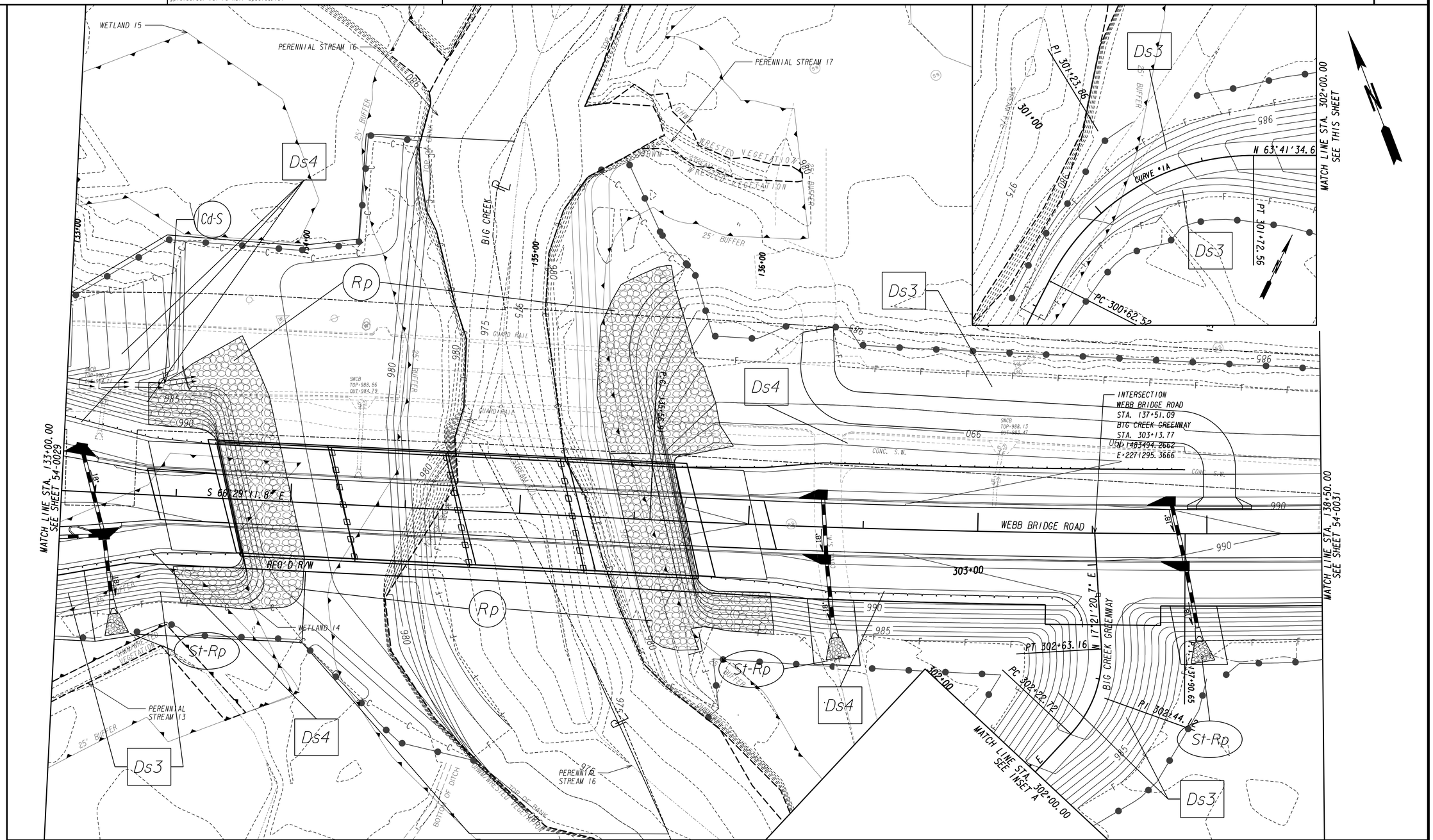
OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
FINAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0029

9/25/2022 10:38:53 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_54-0030.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl



POND
Architects ▪ Engineers ▪ Planners

SCALE IN FEET
0 20 40 80

REVISION DATES

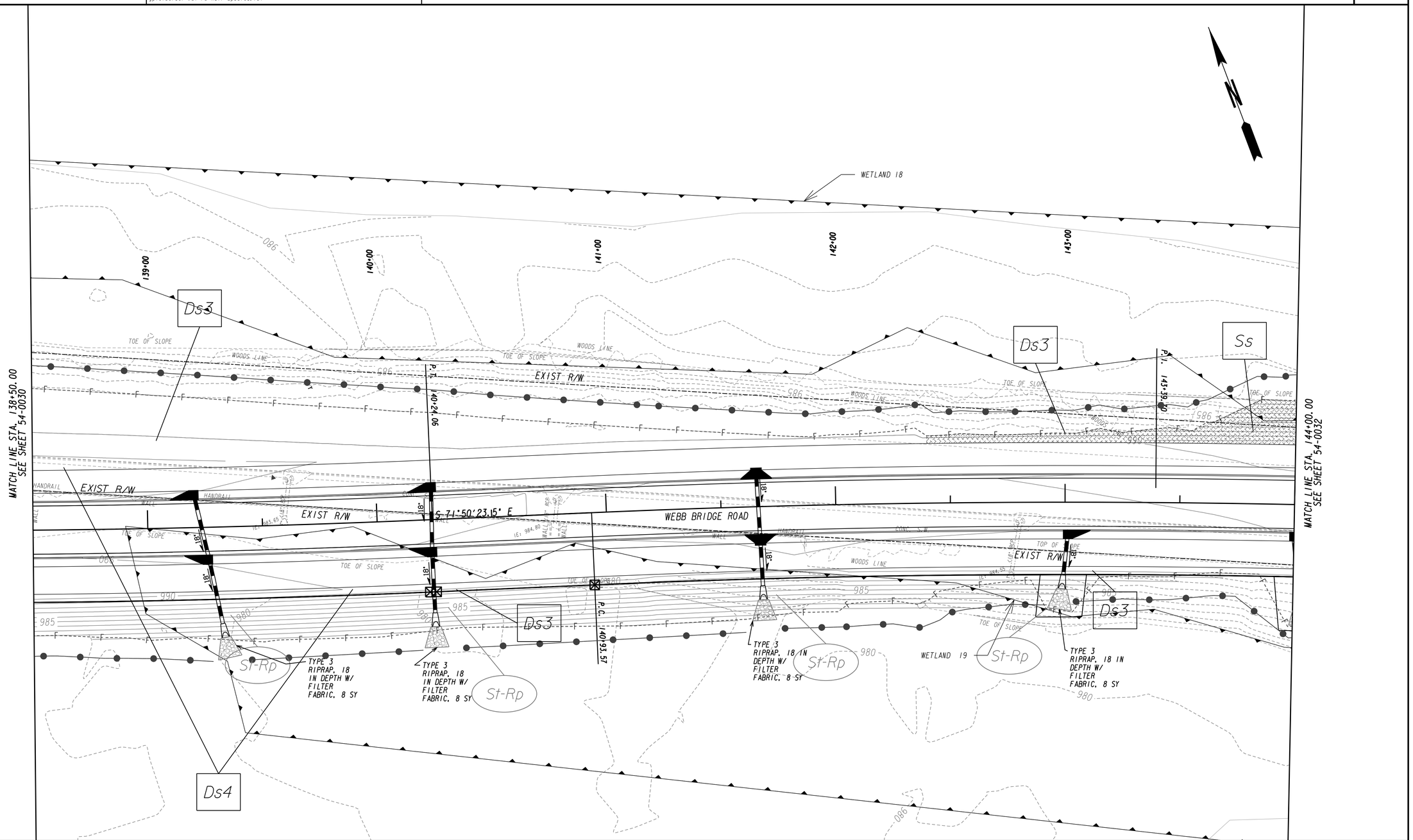
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS
FINAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0030



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		

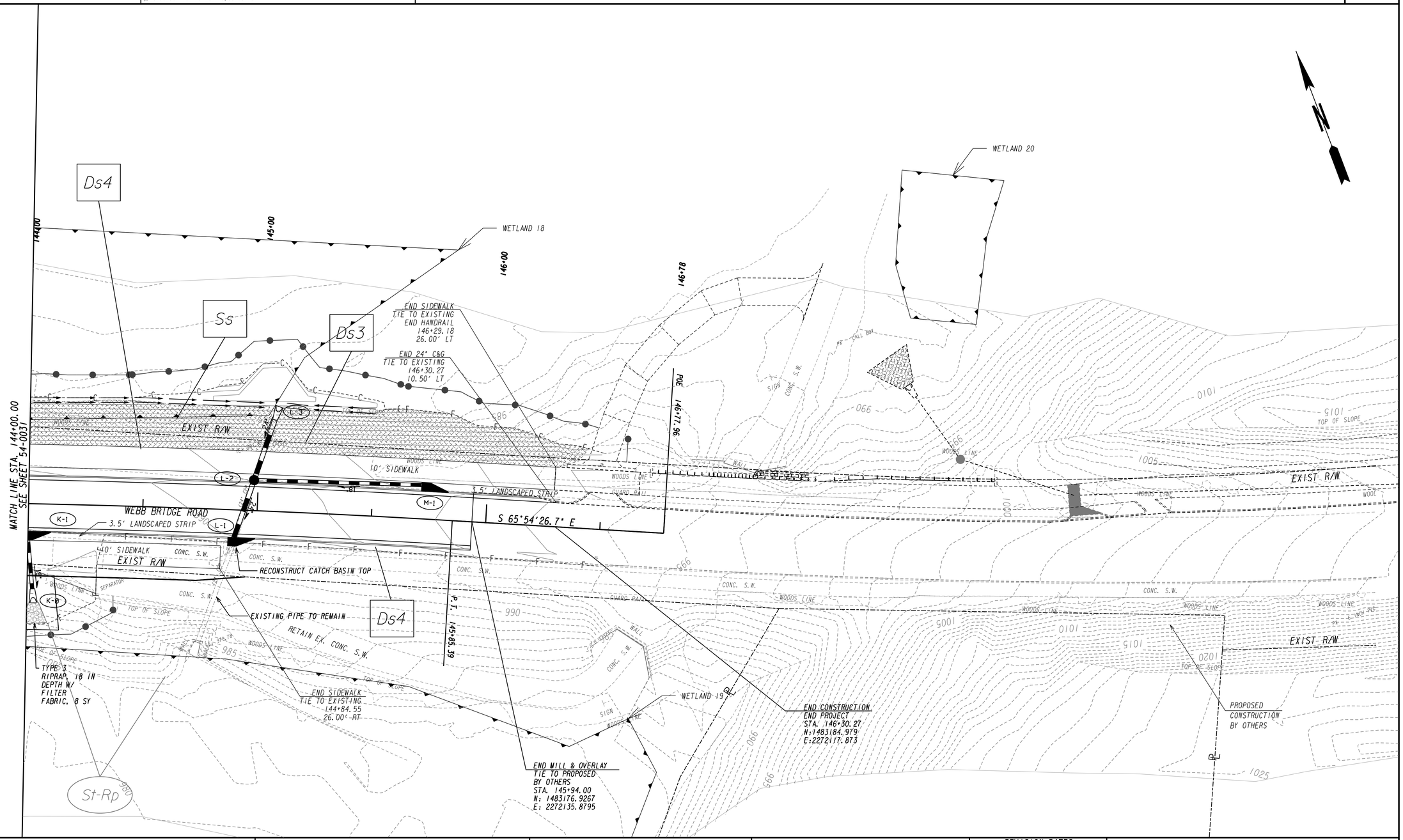
CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS FINAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0031



POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

BMP LOCATION DETAILS FINAL STAGE

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
54-0032

9/16/2022 3:15:37 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_55-0001.dgn
USER:LopezA gplotborder-V8I-PO-half-updated.tbl

P.I. No.
C1933

ROSWELL QUADRANGLE
GEORGIA
7.5-MINUTE SERIES

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

ALL OF BIG CREEK DRAINAGE AREA CANNOT FIT ON THIS DRAWING

DULUTH QUADRANGLE
GEORGIA
7.5-MINUTE SERIES

BIG CREEK WATERSHED AREA: 65.87 SQ. MI

RECEIVING WATERS SAMPLING SITE #1 Creek
STA 135+00.00
OFF 122.00 LT

RECEIVING WATER SAMPLING SITE #6, E-O
STA 136+39.00
OFF 45.00 RT

RECEIVING WATER SAMPLING SITE #7, G-O
STA 139+32.00
OFF 32.00 RT

RECEIVING WATER SAMPLING SITE #8, I-O
STA 141+67.00
OFF 38.00 RT

BEGIN CONSTRUCTION
WEBB BRIDGE ROAD
STA 109+39.27
N 1483105.0943
E 2268686.1414

BEGIN PROJECT
WEBB BRIDGE ROAD
STA 108+59.97
N 1483047.1022
E 2268604.6848

OUTFALL SAMPLING SITE #3, B-O
STA 128+70.00
OFF 54.00 RT

OUTFALL SAMPLING SITE #4, C-O
STA 130+87.00
OFF 87.00 RT

OUTFALL SAMPLING SITE #5, D-O
STA 133+24.00
OFF 50.00 RT

RECEIVING WATER SAMPLING SITE #2 CREEK
STA 135+06.00
OFF 121.00 RT

END PROJECT
TIE TO PROPOSED
BY OTHERS
STA 146+30.27
N: 1483184.979
E: 2272117.873

RECEIVING WATER SAMPLING SITE #9, K-O
STA 144+03.00
OFF 41.00 RT

FORSYTH CO
FULTON CO

Webb
Big Creek
Brookwood
Alpharetta
Ocee
Shake Rag

N

SCALE IN FEET
0 2000 4000 8000

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES

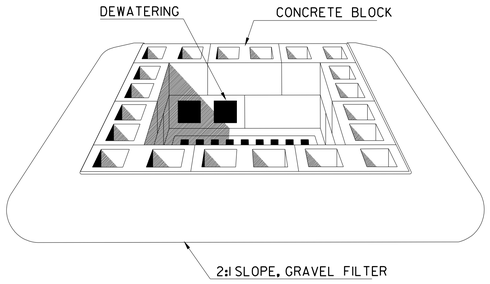
CITY OF ALPHARETTA

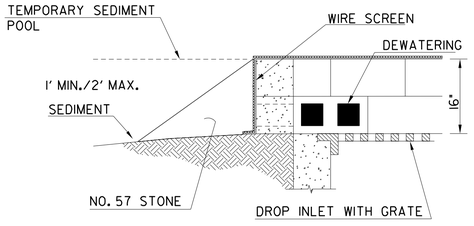
OFFICE: PUBLIC WORKS

WATERSHED MAP SITE MONITORING PLAN

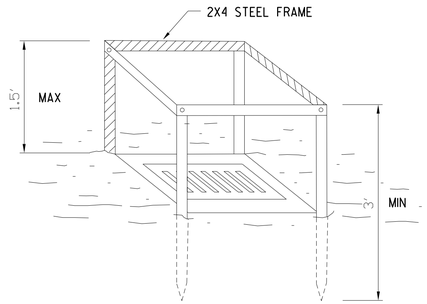
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

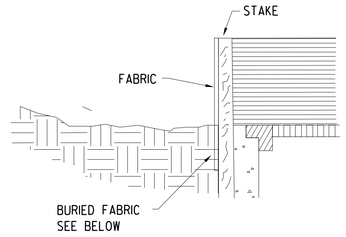
DRAWING No.
55-0001

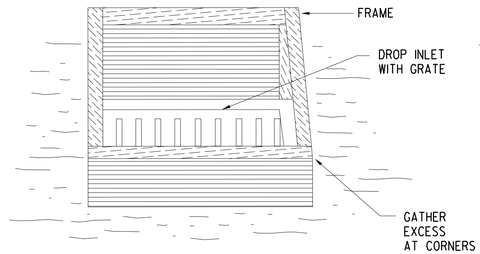


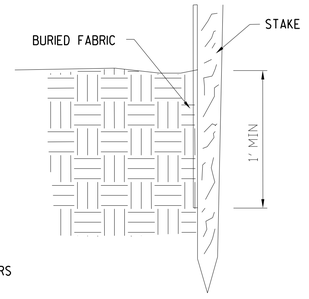


Sd2-Bg BLOCK AND GRAVEL DROP INLET PROTECTION



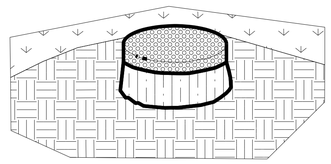






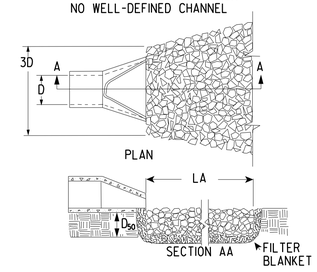
NOTES:
1. FOR STAKES, USE 2X4 INCH WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
2. SPACE STAKES EVENLY AROUND THE PERIMETER OR THE INLET A MAXIMUM OF 3' APART, AND SECURELY DRIVE THEM INTO THE GROUND, APPROXIMATELY 18" DEEP.
3. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2X4 INCH WOOD STRIPS AROUND THE CREST OF THE OVERFLOW AREA AT A MAXIMUM OF 1.5' ABOVE THE DROP INLET CREST.
4. PLACE THE BOTTOM 12" OF THE FABRIC IN A TRENCH AND BACKFILL THE TRENCH WITH AT LEAST 4" OF CRUSHED STONE OR 12" OF COMPACTED SOIL.
5. FASTEN FABRIC SECURELY TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
6. THE TOP OF THE FRAME AND FABRIC MUST BE WELL BELOW THE GROUND ELEVATION DOWN SLOPE FROM THE DROP INLET TO KEEP RUNOFF FROM PASSING THE INLET. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWN SLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.

Sd2-B BAFFLE BOX

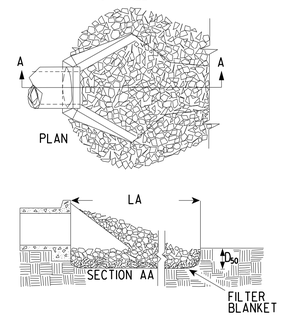


Sd2 ALTERNATE Sd2 STRUCTURE

PIPE OUTLET TO FLAT AREA-
NO WELL-DEFINED CHANNEL



PIPE OUTLET TO WELL-DEFINED
CHANNEL



NOTES

1. LA IS THE LENGTH OF THE RIPRAP APRON.
2. D_{50}= 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OF TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

St-Rp STORM DRAIN OUTLET PROTECTION

PREPARED BY: ARWIN LOPEZ, PE
GSWCC LEVEL II Certification #0000070569

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

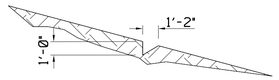
EROSION CONTROL CONSTRUCTION DETAILS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

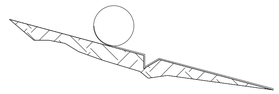
DRAWING No. 56-0001

UPSTREAM TERMINAL

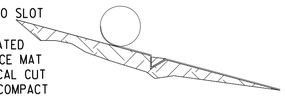
STEP 1: CUT TERMINAL SLOT



STEP 2: SNUG MAT INTO SLOT

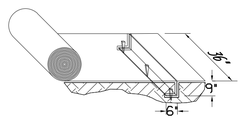


STEP 3:
A. STAKE MAT INTO SLOT
B. USE 1"x3" PRESSURE-TREATED BOARD TO BRACE MAT AGAINST VERTICAL CUT
C. BACKFILL AND COMPACT



STEP 4:
A. REVERSE MAT DIRECTION TO OVERLAY CHECK SLOT
B. STAKE MAT TO ANCHOR TERMINAL



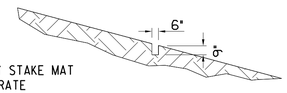


PICTORAL VIEW OF TRANSVERSE SLOT

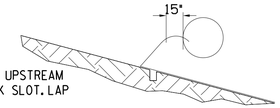
TRANSVERSE CHECK SLOT

STEP 1: CUT CHECK SLOT

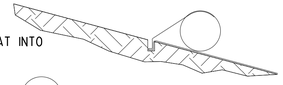
TEMPORARILY STAKE MAT UNDER MODERATE TENSION



STEP 2: WORK UPSTREAM ACROSS CHECK SLOT. LAP BACK 15"

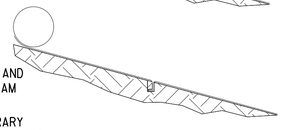


STEP 3: TUCK MAT INTO SLOT & STAKE



STEP 4: BACKFILL AND PROGRESS UPSTREAM

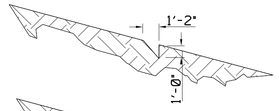
PULL OUT TEMPORARY STAKES WHEN NO LONGER NEEDED FOR TENSIONING



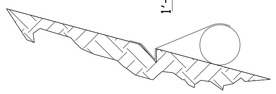
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
4. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
5. USE 3' OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
6. USE 3" OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.

DOWNSTREAM TERMINAL

STEP 1: CUT TERMINAL SLOT



STEP 2: STAKE MAT INTO SLOT

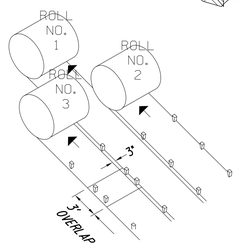


STEP 3: BACKFILL TERMINAL SLOT



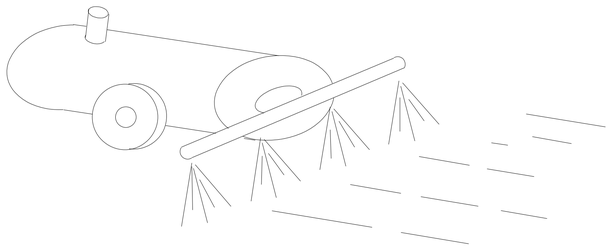
STEP 4:
A. ROLL MAT UPSTREAM OVER REFILLED TERMINAL.
B. STAKE MAT DOWN TO ANCHOR TERMINAL
C. PROGRESS UPSTREAM WITH ROLL.





SEQUENTIAL ROLL RUN OUT IN CHANNELS

SS EROSION CONTROL BLANKETS AND MATTING



Du DUST CONTROL

SCALE: NTS

Sdl-NS COMPOST FILTER SOCK

PREPARED BY: ARWIN LOPEZ, PE
GSWCC LEVEL II Certification #0000070569

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 56-0002

Species	Broadcast Rates - PLS Per Acre	Broadcast Rates - PLS Per 1000 sq.ft.	Planting Dates (Solid lines indicate optimum dates, dotted lines indicated permissible but marginal dates.) J F M A M J J A S O N D
BARLEY (Hordeum vulgare) alone In mixtures	3 bu.(144 lbs.) 1/2 bu.(24 lbs.)	3.3 lb. 0.6 lb.	
LESPEDEZA, ANNUAL (Iezpedeza striata) alone In mixtures	40 lbs. 10 lbs.	0.9 lb. 0.2 lb.	
LOVEGRASS, WEEPING (Eragrostis curvula) alone In mixtures	4 lbs. 2 lbs.	0.1 lb. 0.05 lb.	
MILLET, BROWNTOP (Panclum fasciculatum) alone In mixtures	40 lbs. 10 lbs.	0.9 lb. 0.2 lb.	
MILLET, PEARL (Pennesetum glaucum) alone	50 lbs.	1.1 lb.	
OATS (Avena sativa) alone In mixtures	4 bu.(128 lbs.) 1 bu.(32 lbs.)	2.9 lb. 0.7 lb.	
RYE (Secale cereale) alone In mixtures	3 bu.(168 lbs.) 1/2 bu.(28 lbs.)	3.9 lb. 0.6 lb.	
RYEGRASS, ANNUAL (Lolium temulentum) alone	40 lbs.	0.9 lb.	
SUDANGRASS (Sorghum sudanese) alone	60 lbs.	1.4 lb.	
WHEAT (Triticum aestivum) alone In mixtures	3 bu.(180 lbs.) 1/2 bu.(30 lbs.)	4.1 lb. 0.7 lb.	

TEMPORARY SEEDING

SEEDBED PREPARATION: When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall. When soil has been sealed by rainfall or consists of smooth undisturbed cut slopes, the soil shall have pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

LIME AND FERTILIZER: Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soils can be tested to see if fertilizer is needed. On reasonably fertile soils or soil material, fertilizer is not required. For soils with very low fertility, 500 to 700 pounds of 10-10-10 fertilizer of the equivalent per acre (12-16 LBS/1000 sq.ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk, ripper or chisel.

SEEDING: Refer to temporary seeding chart this page. Apply seed uniformly by hand, cyclone seeder, drill, cultipacker-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Approximate depth of plantings is ten times the seed diameter. Soil should be raked lightly to cover seed with soil if seeding by hand.

MULCHING: Apply 2.5 tons of dry pine straw per acre of seeded area.

TABLE 1. SOME TEMPORARY PLANT SPECIES, SEEDING RATES AND PLANTING DATES

Species	Rates per 1,000 sq. ft.	Rates per Acre	Region M-L (Mountain, Blue Ridge, Ridges and Valley)	Region P (Southern Piedmont	Region C (Southern Coastal Plain, Sand Hills, Black Lands, and Atlantic Coastal Flatwoods)
Barley alone	3.3 lbs.	3 bu.	9 Sept. - 31 Oct.	15 Sept. - 15 Nov.	1 Oct. - 31 Dec.
Barley, in mixtures	0.6 lbs.	0.5 bu.			
Lespedeza, Annual	0.9 lbs.	40 lbs.	1 Mar. - 31 Mar.	1 Mar. - 31 Mar.	1 Feb. - 28 Feb.
Lespedeza, in mixtures	0.2 lbs.	10 lbs.			
Lovegrass, weeping	0.1 lbs.	4 lbs.	1 Apr. - 31 May	1 Apr. - 31 May	1 Mar. - 31 May
Lovegrass, in mixtures	0.05 lbs.	2 lbs.			
Millet, browntop	0.9 lbs.	40 lbs.	15 Apr. - 15 Jun.	15 Apr. - 30 Jun.	15 Apr. - 30 Jun.
Millet, in mixtures	0.2 lbs.	10 lbs.			
Millet, pearl	1.1 lbs.	50 lbs.	15 May - 15 Jul.	1 May - 31 Jul.	15 Apr. - 15 Aug.
Oats, alone	2.99 lbs.	4 bu.	15 Sept. - 15 Nov.	15 Sept. - 15 Nov.	15 Sept. - 15 Nov.
Oats, in mixtures	0.7 lbs.	1 bu.			
Rye (grain), alone	3.9 lbs.	3 bu.	15 Aug. - 31 Oct.	15 Sept. - 30 Nov.	1 Oct. - 31 Dec.
Rye, in mixtures	0.6 lbs.	0.5 bu.			
Ryegrass	0.9 lbs.	40 lbs.	15 Aug. - 15 Nov.	1 Sept. - 15 Dec.	15 Sept. - 31 Dec.
Sudangrass	1.4 lbs.	60 lbs.	1 May - 31 Jul.	1 May - 31 Jul.	1 Apr. - 31 Jul.
Triticale, alone	3.3 lbs.	3 bu.	-	-	15 Oct. - 30 Nov.
Triticale, in mixtures	0.6 lbs.	0.5 bu.			
Wheat, alone	4.1 lbs.	3 bu.	15 Sept. - 30 Nov.	1 Oct. - 15 Dec.	15 Oct. - 31 Dec.
Wheat, in mixtures	0.7 lbs.	0.5 bu.			

1. Unusual side conditions may require heavier seeding rates.
2. Seeding dates may need to be altered to fit temperature varations and local conditions.
3. For major land resource areas (MLRAs), see "TACKIFIERS AND BINDERS" of the Manual for Erosion and Sediment Control in Georgia, latest edition.
4. Seeding rates are based on pure live seed (PLS).

TABLE 2. FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	1000	-
	Maintenance	10-10-10	400	30
Cool season grasses and legumes	First	6-12-12	1500	0-50
	Second	0-10-10	1000	-
	Maintenance	0-10-10	400	-
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	800	50-100
	Maintenance	10-10-10	400	30

INSTALLATION NOTES:

1. Install all ES&PC measures prior to applying temporary vegetation.
2. Grading or shaping are not required if slopes can be planted with a hydroseeder or by hand-seeding.
3. Seedbed preparation is not required if soil is loose and not sealed by rain.
4. When the soil is sealed or crusted, it should be pitted, trenched or scarified to provide a place for seed to lodge and germinat.
5. Agricultural lime is not required.
6. Fertilize low fertility soils prior to or during planting at the rate of 500-700 LBS./ acre of 10-10-10 or equivalent (12-16 LBS./ 1000 sq.ft.).
7. It is imperative that you check the tag on the bag of seed to verify the type and germination of the seed to be planted.
8. Apply seed by hand, cyclone seeder, drill or hydro-seeder. Seed planted with a drill should be planted 1/4" -1/2" deep.
9. Apply in accordance with specifications on the ES&C plan. If information is not available, select a temporary cover from Table 1.
10. Temporary cover shall be applied to all disturbed areas left idle for 14 days. (If an area is left idle for 6 months, permanent cover shall be applied.)

MAINTENANCE NOTE:

Re-seed areas where an adequate stand of temporary vegetation fails to emerge orwhere a poor stand exists.

SEEDING SCHEDULE
TEMPORARY COVER

Ds2

SCALE: NTS

PREPARED BY: ARWIN LOPEZ, PE
GSWCC LEVEL II Certification #0000070569

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

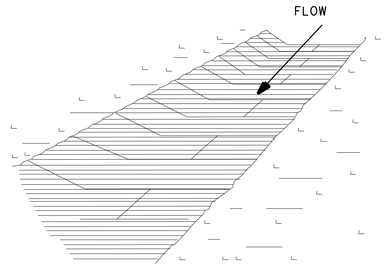
EROSION CONTROL CONSTRUCTION DETAILS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 56-0003

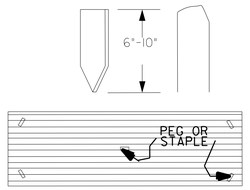
Sodding

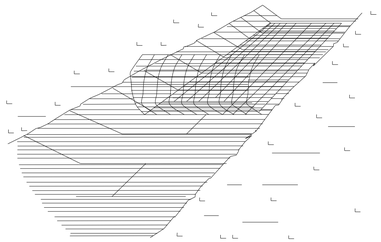
Soil Preparation:
Bring soil surface to final grade. Clear surface of trash,woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces or gravel type soils. Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with hericides or soil sterilants. Mix fertilizer intosoil surface. Fertilize based on soil test or according to Chart. Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.
Installation:
Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod. On slopes steeper than 3:1,sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil. Irrigate sod and soil to a depth of 4" immediately after installation. Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.
Materials:
Sod selected should be certified. Sod grown in the general area of the project is desirable.
1. Sod should be machine cut and contain ¾" (+ or -¼") of soil,not including shoots or thatch.
2. Sod should be cut to the desired size within + or -5%. Torn or uneven pads should be rejected.
3. Sod should be cut and installed within 36 hours of digging.
4. Avoid planting when subject to frost heave or hot weather if irrigation is not available.
5. The sod type should be shown on the plans or installed according Sod Planting Requirements Table.
Maintenance:
Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified. Apply one ton of agricultural lime as indicated by soil tests or every 4-6 years. Fertilize grasses in accordance with soil tests or Fertilizer Requirements for Sod Table.



LAY SOD ACROSS THE DIRECTION OF FLOW.

USE PEGS OR STAPLES TO FASTEN SOD FIRMLY - AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3-4 FEET IF THE STRIPS ARE LONG. WHEN READY TO MOW, DRIVE PEGS OR STAPLES FLUSH WITH THE GROUND.



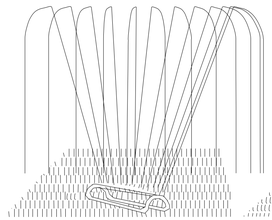


IN CRITICAL AREAS, SECURE SOD WITH NETTING. USE STAPLES.

SODDED WATERWAYS



ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.

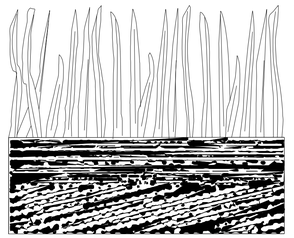


WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.



MOW WHEN THE SOD IS ESTABLISHED - IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

APPEARANCE OF GOOD SOD



SHOOTS - OR GRASS BLADES. GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"-3" CUTTING HEIGHT.

THATCH - GRASS CLIPPINGS AND DEAD LEAVES, UP TO 1/2" THICK.

ROOT ZONE - SOIL AND ROOTS SHOULD BE 1/2" - 3/4" THICK, WITH DENSE ROOT MAT FOR STRENGTH.

SODDING

LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

Sod Planting Requirements

Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	W-L, P, C P,C P,C P,C	Warm Weather
Bahiagrass	Pensacola	P,C	Warm Weather
Centipede	-	P,C	Warm Weather
St. Augustine	Common Bitterblue Raleigh	C	Warm Weather
Zoysia	Emerald Wyer	P,C	Warm Weather
Tall Fescue	Kentucky	W-L, P	Cool Weather

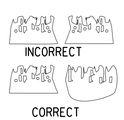
Fertilizer Requirements for Sod

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs. / acre)	Nitrogen Top Dressing Rate (lbs. / acre)
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30
Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

Fertilizer Requirements for Soil Surface Application

Fertilizer Type	Fertilizer Rate (lbs. / acre)	Fertilizer Rate	Season
10-10-10	1000	0.025	Fall





BUTTING -ANGLED ENDS CAUSED BY THE AUTO - MATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

SEEDING SCHEDULE
PERMANENT COVER (SOD)
SCALE: NTS

Ds4

PREPARED BY: ARWIN LOPEZ, PE
GSWCC LEVEL II Certification #0000070569

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

NO SCALE

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

EROSION CONTROL CONSTRUCTION DETAILS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
56-0004

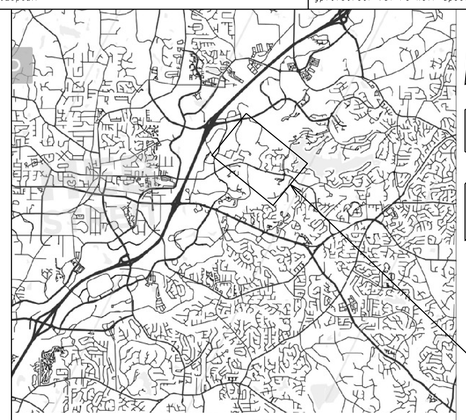
9/16/2022
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half-updated.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_60-0001.dgn
GRWCOV

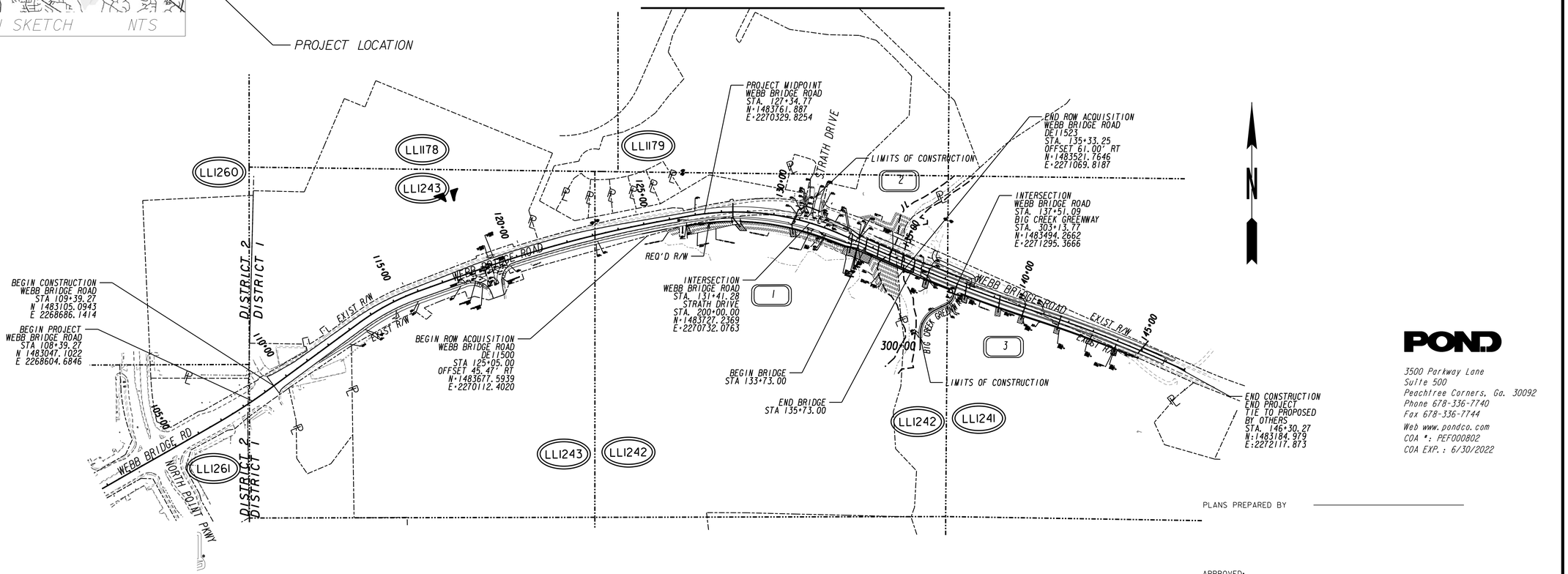
CITY OF ALPHARETTA
DEPARTMENT OF PUBLIC WORKS

RIGHT OF WAY OF PROPOSED
WEBB BRIDGE ROAD
EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS



LOCATION SKETCH NTS

PROJECT LOCATION



SCALE IN FEET
0 200 400 800

CONVENTIONAL SIGNS

LAND LOT LINE		
PROPERTY LINE		
RIGHT OF WAY LINE	EXISTING	
	REQUIRED	
	EXISTING LIMIT OF ACCESS	
	REQD LIMIT OF ACCESS	
	EXISTING LIMIT OF ACCESS & R/W	
	REQD LIMIT OF ACCESS & R/W	
	R/W MARKERS	
FENCE		

LENGTH OF RIGHT OF WAY PROJECT	COUNTY NO. 121 FULTON
	MILES
NET LENGTH OF RIGHT OF WAY	0.16
NET LENGTH OF BRIDGES	0.03
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF RIGHT OF WAY	0.19

PROJECT NUMBER: C2104
COUNTY: FULTON

POND
3500 Parkway Lane
Suite 500
Peachtree Corners, Ga. 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com
COA *: PEF000802
COA EXP.: 6/30/2022

PLANS PREPARED BY _____

APPROVED: _____
DATE

PLANS COMPLETED DATE:	1/31/2022
REVISIONS:	
06/3/2022- 60-0002, 60-0009, 60-0012, 60-0013	
07/19/2022- 60-0002, 60-00011	

DRAWING No.
60-0001

DATE	DRAWING NO.	REVISION
06/3/2022	60-0009	EXTENDED EASMENTS FOR DRAINAGE RIPRAP
06/3/2022	60-0010	REMOVED TRACT 8 PERMANENT EASEMENT ON PARCEL 3
06/3/2022	60-0012	UPDATED EASEMENT POINTS AND AREA
06/3/2022	60-0013	UPDATED EASEMENT POINTS AND AREAS. REMOVED TRACT 8 PERMANENT EASEMENT ON PARCEL 3
07/19/2022	60-0011	REVISED TOTAL TEMP. EASEMENT AREA TABLE

DATE	DRAWING NO.	REVISION

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES
6/3/2022
7/19/2022

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0002

Curve #3
PI Sta: 108+07.79
N: 1483026.8213
E: 2268580.1946
DELTA: 06°24'56.8" (LT)
D: 02°43'42.13"
T: 117.70
L: 235.15
R: 2100.00
E: 3.30

JAMES B MALONEY
TAX ID: 22 546012610081
DB 32971, PG 83

PERGAMENT LODI LLC
TAX ID: 22 546012600686
DB 58150, PG 417

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 22 550111780210
DB 56413, PG 432
PB 404, PG 100

LAND DISTRICT 2
LAND DISTRICT 1

106+00
107+00
108+00
109+00
110+00

WOODS LINE
P.I. 105+91.42
NO CURVE
P.C. 106+90.09
EXIST R/W
SWCB TOP-1092.63 OUT-1088.30
SWCB TOP-1086.37
SWCB TOP-1086.37 IN-1082.69 OUT-1078.28
P.T. 109+25.24
SWCB TOP-1085.18 IN-1078.33 OUT-1078.26
SWCB 5159 TOP-1078.43
EXIST PIPES & STRUCTURES TO REMAIN
RETAIN EX. CONC. S.W.
SWCB TOP-1078.43 IN-1071.25 OUT-1071.14

RETAIN EXISTING PAVEMENT AND STRIPING

BEGIN PROJECT
MILL AND OVERLAY
STA 108+39.27
N:1483047.1022
E:2268604.6846

N 60°21'52.8" E
N 59°57'32.4" E
CURVE #3
WEBB BRIDGE ROAD
N 53°32'35.5" E

44.62
+59.53
26.86
35.71
+67.37
26.01

MATCH LINE STA. 111+00.00
SEE SHEET 60-0004

EXIST R/W
RETAIN EX. CONC. S.W.
EXIST PIPES TO REMAIN

P.I. 108+07.79

SWCB TOP-1087.09 IN-1082.20 OUT-1081.86
SWCB TOP-1086.68 IN-1081.20 OUT-1079.73

BEGIN CONSTRUCTION
MILL AND OVERLAY
STA 109+39.27
N:1483105.0943
E:2268686.1414

KOKL ENTERPRISE LLC
TAX ID: 22 546012610651
DB 36188, PG 569

RONALD N MAY
TAX ID: 22 551012430101
DB 9599, PG 74

NERO HOLDINGS LLC
TAX ID: 22 551012430334
DB 34105, PG 512

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING NO.
60-0003

9/16/2022 6:43:42 PM
USER:LopezA

GPLOT-V8
gplotborder-V81-PO-half.tbl

X:\FY20\1200980\04.CAD\DGN\1200980_60-0004.dgn

Curve* 5
PI Sta* 114+77.47
N* 1483424.2138
E* 2269119.5311
DELTA* 16°42'50.6" (RT)
D* 06°21'58.31"
T* 132.21
L* 262.54
R* 900.00
E* 9.66

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 22 550111780210
DB 56413, PG 432
PB 404, PG 100

ROADWAY CONST. LIMITS
CURB TO CURB
MILL AND OVERLAY

111+00
112+00
113+00
114+00
115+00
116+00

P.I. 114+77.47

WOODS LINE

EXIST R/W

RETAIN EX. CONC. S.W.

RMF

SWCB
TOP-1068.59
IN-1061.36
OUT-1061.02

SWCB
TOP-1062.17
IN-1051.48
OUT-1051.33

SWCB
TOP-1056.21
OUT-1050.29

WEBB BRIDGE ROAD

CURVE #5

+80.40
24.96

+71.04
16.84

+71.04
27.31

N 53°40'36.3" E

N 70°23'26.9" E

W 53°32'35.5" E

MATCH LINE STA. 111+00.00
SEE SHEET 60-0003

MATCH LINE STA. 116+50.00
SEE SHEET 60-0005

+08.32
25.94

6' LANDSCAPED STRIP

10' SIDEWALK

AIN EX. CONC. S.W.

BEGIN SIDEWALK
TIE TO EXIST
111+33.28
32.58' RT

P.I. 111+09.45
NO CURVE

P.C. 113+45.26

P.T. 116+07.80

25' BUFFER

OHWM/WRESTED VEGETATION

ROADWAY CONST. LIMITS
CURB TO CURB
MILL AND OVERLAY

INTERMITTENT STREAM 12

NERO HOLDINGS LLC
TAX ID: 22 551012430334
DB 34105, PG 512

1

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0004

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 22 55011780210
DB 56413, PG 432
PB 404, PG 100

Curve* 6
PI Sta* 122+04.37
N* 1483668.7927
E* 2269806.0399
DELTA* 09°19'23.8" (RT)
D* 01°14'44.02"
T* 375.09
L* 748.52
R* 4600.00
E* 15.27

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011780707
DB 56716, PG 517
PB 380, PG 33

117+00 | 118+00 | 119+00 | 120+00 | 121+00

TYPE C SIDEWALK RAMP

BEGIN SIDEWALK
TIE TO EXISTING
118+88.56
37.32' LT

END SIDEWALK
TIE TO EXISTING
119+18.97
37.13' LT

WOODS LINE | EXIST R/W | RETAIN EX. CONC. S.W.

MATCH LINE STA. 116+50.00
SEE SHEET 60-0004

N 70°23'26.9" E

WEBB BRIDGE ROAD

CURVE *6

EXIST PIPES AND STRUCTURES TO REMAIN (TYP)

SWCB
TOP-1050.90
OUT-1041.63

STWH
TOP-1045.71
IN-1035.46
OUT-1035.32

6' LANDSCAPED STRIP | 10' SIDEWALK

END HANDRAIL
117+90.00
45.69' RT

25' BUFFER

OHWM/WRESTED VEGETATION

INTERMITTENT STREAM 12

TYPE C SIDEWALK RAMP

P.C. 118+62.28

17'

DO NOT DISTURB EXIST. MILE POST
(EST. LOCATION)

TYPE B SIDEWALK RAMP

BEGIN SIDEWALK
TIE TO EXISTING
119+20.90
85.10' RT

SWCB
TOP-1045.76
OUT-1039.26

ROADWAY CONST. LIMITS
CURB TO CURB
MILL AND OVERLAY

REMOVE AND RESET SIGN
RECONSTRUCT TIMBER STEP
TO BE PAID UNDER GRADING COMPLETE

MATCH LINE STA. 122+00.00
SEE SHEET 60-0006

END OF SIDEWALK
TIE TO EXISTING
118+49.15
80.19' RT

ALPHARETTA HIGH SCHOOL DRIVEWAY

LIMITS OF MILL AND OVERLAY
STA. 118+77.54
N:1483443.95
E:2269539.19

EXIST PIPES TO REMAIN

PERENNIAL STREAM 13

1

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0005

9/16/2022 6:44:21 PM
USER:LopezA

GPLOT-V8
gplotborder-V8I-PO-half.tbl

X:\FY20\I200980\04.CAD\DGN\I200980_60-0006.dgn

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55012430583
DB 56716, PG 482
PB 380, PG 33

TURJO K WADUD
TAX ID: 21 55012430591
DB 56983, PG 52
PB 380, PG 33

PRASHANTI AMMANAMANCHI & ANIL KANAGALA
TAX ID: 21 55012420600
DB 57004, PG 542
PB 380, PG 33

SAI RAJESH PADMANABAN & GOWRI SUBRAMANIAN
TAX ID: 21 55012420618
DB 57209, PG 62
PB 380, PG 33

ANDREAS LINARDI & FNU ELYNA
TAX ID: 21 55011790623
DB 57137, PG 231
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011780707
DB 56716, PG 517
PB 380, PG 33

Curve° 6
PI Sta• 122+04.37
N• 1483668.7927
E• 2269806.0399
DELTA• 09°19'23.8" (RT)
D• 01°14'44.02"
T• 375.09
L• 748.52
R• 4600.00
E• 15.27

Curve° 7
PI Sta• 129+76.38
N• 1483806.9397
E• 2270567.2763
DELTA• 33°47'57.6" (RT)
D• 05°43'46.48"
T• 303.82
L• 589.91
R• 1000.00
E• 45.13

122+00
123+00
124+00
125+00
126+00
127+00

P.I. 122+04.37

LLI243
LLI242
LLI241
LLI240

EXIST R/W
RETAIN EX. CONC. S.W.
WEBB BRIDGE ROAD
CURVE °6
CURVE °7
N 79°42'50.7" E

MATCH LINE STA. 122+00.00
SEE SHEET 60-0005

MATCH LINE STA. 127+50.00
SEE SHEET 60-0007

6' LANDSCAPED STRIP
10' SIDEWALK
WOODS LINE
TR. 1012.70
TR. 1003.58

BEGIN WIDENING & LEVELING
STA. 126+70.01

BEGIN HEADER CURB
127+09.80
16.61' LT

CURB TRANSITION

REQ'D R/W TRACT 1
EXIST R/W
REQ'D R/W

DE11500
126+59.56
36.00' RT

DE11509
126+55.07
70.00' RT

DE11527
126+72.57
70.00' RT

DE20500
125+75.00
39.54' RT

DE20501
126+00.00
62.00' RT

DE20502
126+27.27
59.00' RT

BEGIN HEADER CURB
126+80.01
16.18' RT

END HANDRAIL
127+50.00
34.16' RT

BEGIN GRAVITY WALL °1
124+84.87
33.60' RT

END GRAVITY WALL °1
125+84.98
32.74' RT

BEGIN HANDRAIL
124+50.00
33.80' RT

ROADWAY CONST. LIMITS
CURB TO CURB
MILL AND OVERLAY

P.T. 125+77.80

P.C. 126+22.57

25' BUFFER

TRACT 1 TEMPORARY EASEMENT

TRACT 2 TEMPORARY EASEMENT

PERENNIAL STREAM 13

OHW/WRESTED VEGETATION

1

2

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

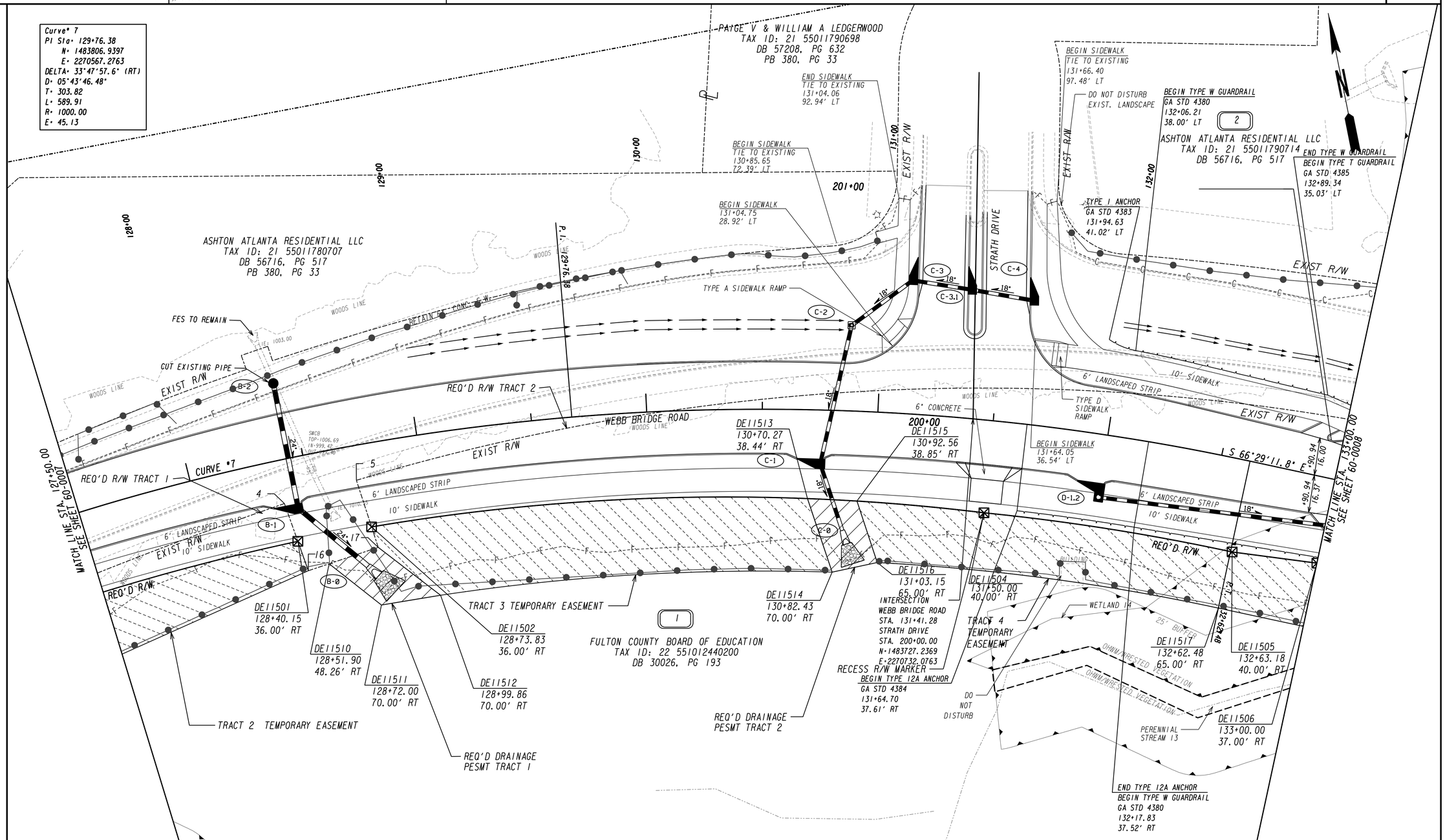
SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0006

9/16/2022 6:44:42 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_60-0007.dgn
USER:LopezA gplotborder-V8I-PO-half.tbl



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

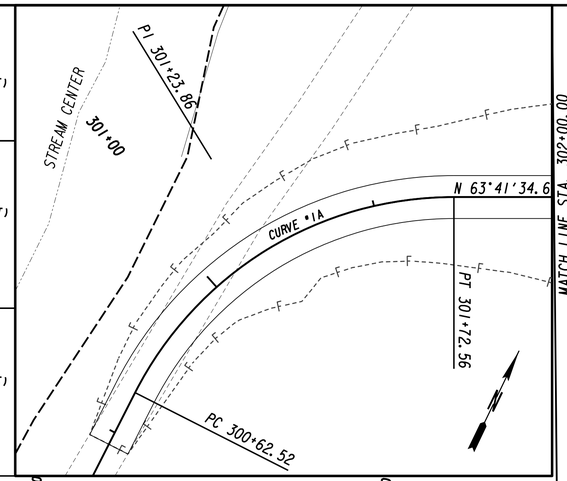
DRAWING No.
60-0007

WETLAND 15
PERENNIAL STREAM 16
DE10086 134+25.00 162.00' LT
DE10087 134+60.00 162.00' LT
2
ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 550011790714
DB 56716, PG 517
DE10085 134+24.00 116.00' LT
DE11525 134+58.05 120.00' LT
DE11524 133+40.51 113.66' LT
DE11529 133+98.33 114.83' LT
REQ'D TESMT TRACT 1
25' BUFFER
BIG CREEK
OHWM
WRESTED VEGETATION
CITY OF ALPHARETTA
TAX ID: 21 555012410246
DB 26462, PG 29
LL1242
LL1241
PERENNIAL STREAM 17
DE11526 134+67.90 88.51' LT
LIMITS OF CONSTRUCTION TIE TO EXIST
EXIST R/W
WOODS LINE
12
BEGIN APPROACH SLAB GA STD 9017K STA 133+43.00
BEGIN WOOD TOE 13 SEE SHEET 38-002 STA 134+70.50 OFF 32.50' RT
DE11518 133+11.49 34.45' RT
SWCB TOP-990.25 OUT-984.71
SWCB TOP-988.86 OUT-984.79
BEGIN BRIDGE SEE GRADING PLAN STA 133+73.00
END BRIDGE STA 135+73.00
P.C. 135+56.91
SWCB TOP-988.13 OUT-983.47
INTERSECTION WEBB BRIDGE ROAD STA. 137+51.09
BIG CREEK GREENWAY STA. 303+13.77
N:1483494.2662
E:2271295.3666
BEGIN HANDRAIL 138+00.00 28.00 RT
MATCH LINE STA. 133+00.00 SEE SHEET 60-0007
S 60°29'11.8" E
DE11507 133+31.50 30.00' RT
DE11522 134+08.00 30.00' RT
REQ'D R/W TRACT 1
CURVE #8
WEBB BRIDGE ROAD
DE10057 137+84.05 31.50' RT
DE10049 137+80.05 31.50' RT
DE10058 138+04.27 31.50' RT
REQ'D R/W
303+00
DE11508 135+15.25 30.00' RT
DE11523 135+33.25 61.00' RT
DE10054 136+46.87 31.50' RT
DE10052 137+30.05 31.50' RT
DE10053 136+26.81 31.50' RT
DE10056 136+30.69 60.00' RT
DE10051 137+30.00 40.00' RT
PT 302+63.16
N 17°21'20.7" E
BIG CREEK GREENWAY
TRACT 2 PERMANENT EASEMENT FOR DRAINAGE
DE10059 138+09.00 57.00' RT
DE10055 136+50.63 60.00' RT
END APPROACH SLAB GA STD 9017K STA 136+03.00
TRACT 1 PERMANENT EASEMENT FOR DRAINAGE
302+00
PC 302+22.72
CURVE #24
PI 302+44.16
DE10060 137+88.88 57.00' RT
DE10050 137+80.00 40.00' RT
WETLAND 14
TRACT 3 PERMANENT EASEMENT FOR DRAINAGE
DE11521 134+08.00 61.00' RT
DE11519 133+17.87 65.00' RT
DE11506 133+00.00 37.00' RT
PERENNIAL STREAM 13
DE11520 133+37.46 61.00' RT
TRACT 5 EASEMENT
1
FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30028, PG 193
FOR FILL IN CREEK SEE WOOD TOE DETAIL SHEET 38-002
END WOOD TOE STA 134+84.00 OFF 108.00' RT
DE10090 134+85.00 140.56' RT
TRACT 4 EASEMENT FOR DRAINAGE
PERENNIAL STREAM 16
DE10089 135+71.44 136.50' RT
3
CITY OF ALPHARETTA
TAX ID: 21 555012410253
DB N/A, PG N/A
MATCH LINE STA. 302+00.00 SEE INSET A
MATCH LINE STA. 138+50.00 SEE SHEET 60-0009

Curve* 1A
PI Sta* 301+23.86
N* 1483366.6393
E* 2271154.7550
DELTA* 63°02'37.5" (RT)
D* 57°17'44.81"
T* 61.33; L* 110.03
R* 100.00; E* 17.31

Curve* 2A
PI Sta* 302+44.12
N* 1483425.5359
E* 2271273.8861
DELTA* 46°20'13.8" (LT)
D*114°35'29.61"
T* 21.40
L* 40.44
R* 50.00
E* 4.39

Curve* 8
PI Sta* 137+90.65
N* 1483475.0036
E* 2271330.1893
DELTA* 05°21'11.7" (LT)
D* 01°08'45.30"
T* 233.75
L* 467.16
R* 5000.00
E* 5.46



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0008

Curve* 8
PI Sta* 137+90.65
N* 1483475.0036
E* 2271330.1893
DELTA* 05°21'11.7" (LT)
D* 01°08'45.30"
T* 233.75
L* 467.16
R* 5000.00
E* 5.46

Curve* 9
PI Sta* 143+39.70
N* 1483303.7741
E* 2271852.2104
DELTA* 05°55'56.8" (RT)
D* 01°12'22.42"
T* 246.13
L* 491.82
R* 4750.00
E* 6.37

CITY OF ALPHARETTA
TAX ID: 21 555012410246
DB 26462, PG 29

WETLAND 18

139+00 140+00 141+00 142+00 143+00

WOODS LINE

BEGIN HANDRAIL
142+40.00
26.00 LT

P.T. 140+24.06

EXIST R/W

END NORMAL CROWN
+24.00
-2.00%

END RECONSTRUCTION
BEGIN WIDENING
BEGIN MILL & OVERLAY
STA. 140+89.82

P.I. 143+39.70

SWCB TOP=988.50 OUT=984.45
SWCB TOP=988.52 OUT=984.75
SWCB TOP=988.59 OUT=984.23

10' SIDEWALK
3.5' LANDSCAPED STRIP
EXIST R/W
3.5' LANDSCAPED STRIP
12' SIDEWALK

CURVE *8
CURVE *9
WEBB BRIDGE ROAD
S 71°50'23.15" E

MATCH LINE STA. 138+50.00
SEE SHEET 60-0008

MATCH LINE STA. 144+00.00
SEE SHEET 60-0010

DE10061
139+39.83
31.50' RT

TRACT 3 PERMANENT EASEMENT FOR DRAINAGE

REQ'D R/W TRACT 1

DE10064
139+19.61
31.50' RT

DE10063
139+25.77
64.63' RT

DE10062
139+45.05
60.20' RT

DE10068
140+13.60
31.50' RT

DE10067
140+13.88
61.33' RT

DE10048
140+24.06
31.50' RT

DE10065
140+33.53
31.50' RT

TRACT 4 PERMANENT EASEMENT FOR DRAINAGE

DE10066
140+33.75
61.12' RT

P.C. 140+93.57

DE10047
140+93.57
31.50' RT

DE10072
141+57.17
31.50' RT

DE10071
141+57.77
55.11' RT

REQ'D R/W
DE10069
141+71.31
31.50' RT

DE10070
141+78.01
55.06' RT

TRACT 5 PERMANENT EASEMENT FOR DRAINAGE

WETLAND 19

DE10076
142+89.09
31.50' RT

DE10075
142+86.98
50.00' RT

TRACT 6 PERMANENT EASEMENT FOR DRAINAGE

DE10073
143+09.35
31.50' RT

END WIDENING
STA 143+73.62

DE10074
143+07.32
50.00' RT

DE10080
143+91.64
31.50' RT

DE10079
143+94.11
55.00' RT

END HANDRAIL
144+00.00
28.00 RT

TRACT 7 PERMANENT EASEMENT FOR DRAINAGE

3
CITY OF ALPHARETTA
TAX ID: 21 555012410253
DB N/A, PG N/A

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

60-0008

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

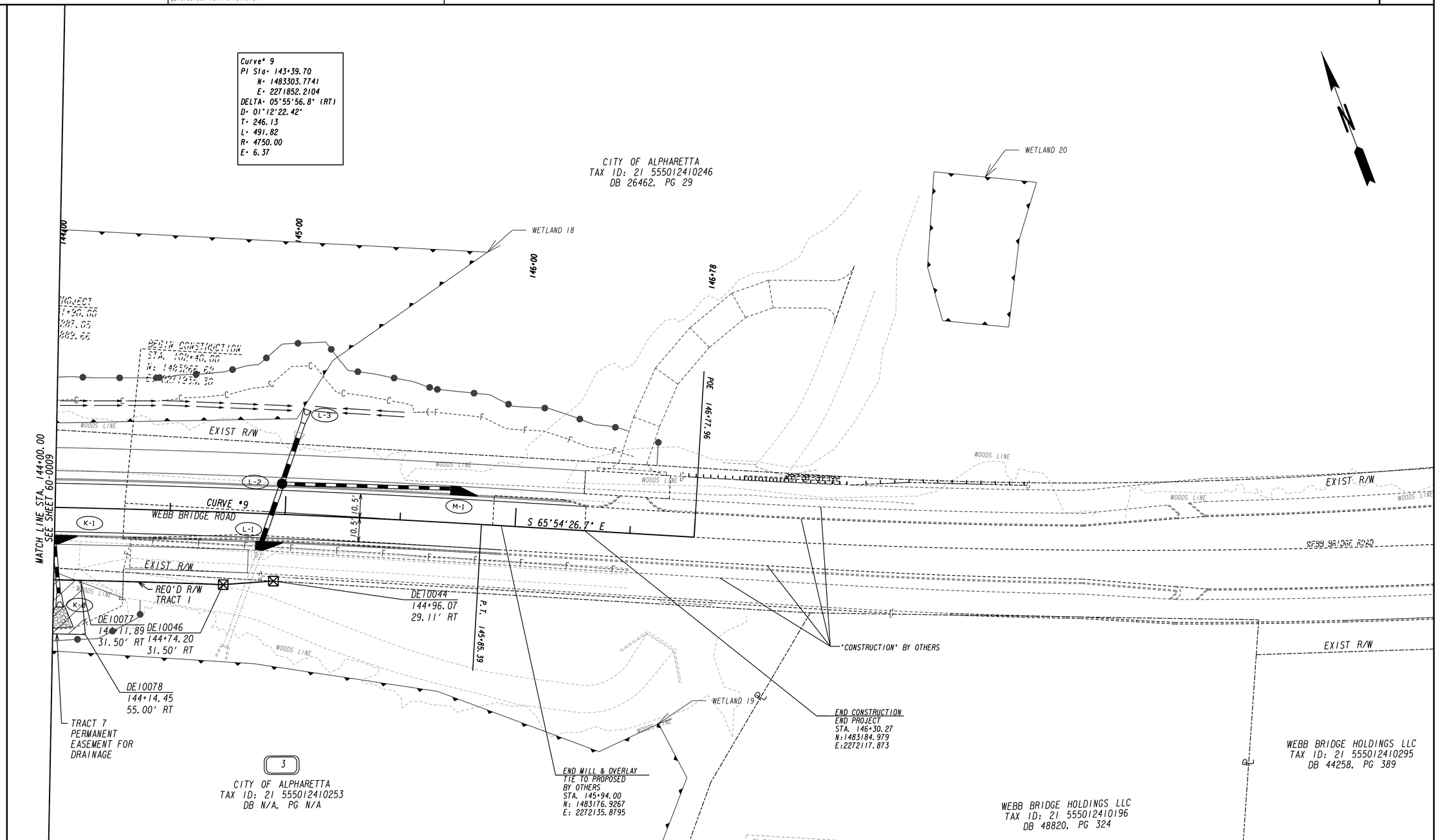
SCALE IN FEET
0 20 40 80

REVISION DATES
6/3/2022

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0009

9/16/2022 6:46:25 PM GPLOT-V8 X:\FY20\1200980\04.CAD\DGN\1200980_60-0010.dgn
USER:LopezA gplotborder-V8I-PO-half.tbl



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES		
6/3/2022		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

RIGHT OF WAY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0010

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D R/W TRACT 1
DE100

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
2	32.67 R	126+60.00	WEBB BRIDGE RD
ARC LENGTH = 174.07			
CHORD BEAR = N 79°33'05.7" E			
LNTH CHORD = 174.00			
RADIUS = 1780.29			
DEGREE = 3°13'06.0"			
4	18.81 R	128+37.85	WEBB BRIDGE RD
	17.34	S 8°10'10.0" E	
DE11501	36.00 R	128+40.15	WEBB BRIDGE RD
ARC LENGTH = 174.55			
CHORD BEAR = S 84°09'26.3" W			
LNTH CHORD = 174.32			
RADIUS = 974.07			
DEGREE = 5°52'55.6"			
DE11500	36.00 R	126+59.56	WEBB BRIDGE RD
	3.36	N 2°44'54.8" W	
2	32.67 R	126+60.00	WEBB BRIDGE RD

REQD R/W = 1592.17 SF
REQD R/W = 0.037 ACRES
REMAINDER = SEE BELOW

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D R/W TRACT 2
DE101

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
5	14.99 R	128+70.84	WEBB BRIDGE RD
ARC LENGTH = 434.40			
CHORD BEAR = S 82°09'46.9" E			
LNTH CHORD = 430.52			
RADIUS = 937.16			
DEGREE = 6°06'49.6"			
6	26.76 L	133+01.01	WEBB BRIDGE RD
	32.97	S 22°14'49.6" W	
7	6.21 R	133+01.74	WEBB BRIDGE RD
	30.17	S 68°21'20.6" E	
8	5.22 R	133+31.89	WEBB BRIDGE RD
	33.29	N 23°08'06.9" E	
9	28.07 L	133+31.67	WEBB BRIDGE RD
	93.09	S 67°00'32.7" E	
10	28.92 L	134+24.76	WEBB BRIDGE RD
	56.00	S 67°00'32.7" E	
11	29.43 L	134+80.75	WEBB BRIDGE RD
	68.72	S 6°37'17.7" E	
DE11508	30.00 R	135+15.25	WEBB BRIDGE RD
	183.75	N 66°29'11.8" W	
DE11507	30.00 R	133+31.50	WEBB BRIDGE RD
	32.27	N 79°00'55.5" W	
DE11506	37.00 R	133+00.00	WEBB BRIDGE RD
	36.94	N 71°08'44.3" W	
DE11505	40.00 R	132+63.18	WEBB BRIDGE RD
ARC LENGTH = 108.69			
CHORD BEAR = N 69°41'15.4" W			
LNTH CHORD = 108.63			
RADIUS = 960.00			
DEGREE = 5°58'05.9"			
DE11504	40.00 R	131+50.00	WEBB BRIDGE RD
ARC LENGTH = 265.80			
CHORD BEAR = N 79°59'08.3" W			
LNTH CHORD = 264.86			
RADIUS = 913.07			
DEGREE = 6°16'30.2"			
DE11502	36.00 R	128+73.83	WEBB BRIDGE RD
	21.21	N 6°43'47.2" W	
5	14.99 R	128+70.84	WEBB BRIDGE RD

REQD R/W = 30017.08 SF
REQD R/W = 0.689 ACRES
REMAINDER = SEE BELOW

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION

REQD TRACT 1 = 0.037 ACRES
REQD TRACT 2 = 0.689 ACRES
TOTAL AREA = 0.726 ACRES
REMINDER = +/- 74 ACRES

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D TEMP. EASM'T. TRACT 1 DE102

PNT	OFFSET/	STATION/	ALIGNMENT
DE20500	39.54 R	125+75.00	WEBB BRIDGE RD
1	34.34 R	126+30.54	WEBB BRIDGE RD
DE20502	59.00 R	126+27.27	WEBB BRIDGE RD
DE20501	62.00 R	126+00.00	WEBB BRIDGE RD
DE20500	39.54 R	125+75.00	WEBB BRIDGE RD

REQD EASMT AREA = 1019.69 SF

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D TEMP. EASM'T. TRACT 2 DE103

PNT	OFFSET/	STATION/	ALIGNMENT
DE11500	36.00 R	126+59.56	WEBB BRIDGE RD
ARC LENGTH = 174.55			
CHORD BEAR = N 84°09'26.3" E			
LNTH CHORD = 174.32			
RADIUS = 974.07			
DEGREE = 5°52'55.6"			
DE11501	36.00 R	128+40.15	WEBB BRIDGE RD
16	49.39 R	128+42.00	WEBB BRIDGE RD
DE11527	70.00 R	126+72.57	WEBB BRIDGE RD
DE11509	70.00 R	126+55.07	WEBB BRIDGE RD
DE11500	36.00 R	126+59.56	WEBB BRIDGE RD

REQD EASMT AREA = 4698.86 SF

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D TEMP. EASM'T. TRACT 3 DE104

PNT	OFFSET/	STATION/	ALIGNMENT
DE11502	36.00 R	128+73.83	WEBB BRIDGE RD
ARC LENGTH = 189.18			
CHORD BEAR = S 82°23'22.5" E			
LNTH CHORD = 188.84			
RADIUS = 913.07			
DEGREE = 6°16'30.2"			
DE11513	38.44 R	130+70.27	WEBB BRIDGE RD
DE11514	70.00 R	130+82.43	WEBB BRIDGE RD
ARC LENGTH = 169.79			
CHORD BEAR = N 82°01'58.0" W			
LNTH CHORD = 169.56			
RADIUS = 930.00			
DEGREE = 6°09'39.0"			
DE11512	70.00 R	128+99.86	WEBB BRIDGE RD
17	45.20 R	128+75.18	WEBB BRIDGE RD
DE11502	36.00 R	128+73.83	WEBB BRIDGE RD

REQD EASMT AREA = 5983.46 SF

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D TEMP. EASM'T. TRACT 4
DE105

PNT	OFFSET/	STATION/	ALIGNMENT
DE11515	38.85 R	130+92.56	WEBB BRIDGE RD
ARC LENGTH = 55.18			
CHORD BEAR = S 73°22'38.9" E			
LNTH CHORD = 55.18			
RADIUS = 913.07			
DEGREE = 6°16'30.2"			
DE11504	40.00 R	131+50.00	WEBB BRIDGE RD
ARC LENGTH = 108.69			
CHORD BEAR = S 69°41'15.4" E			
LNTH CHORD = 108.63			
RADIUS = 960.00			
DEGREE = 5°58'05.9"			
DE11505	40.00 R	132+63.18	WEBB BRIDGE RD
DE11506	37.00 R	133+00.00	WEBB BRIDGE RD
DE11518	34.45 R	133+11.49	WEBB BRIDGE RD
DE11519	65.00 R	133+17.87	WEBB BRIDGE RD
DE11517	65.00 R	132+62.48	WEBB BRIDGE RD
ARC LENGTH = 148.97			
CHORD BEAR = N 71°03'03.2" W			
LNTH CHORD = 148.81			
RADIUS = 935.00			
DEGREE = 6°07'40.4"			
DE11516	65.00 R	131+03.15	WEBB BRIDGE RD
DE11515	38.85 R	130+92.56	WEBB BRIDGE RD

REQD EASMT AREA = 5355.21 SF

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D TEMP. EASM'T. TRACT 5
DE106

PNT	OFFSET/	STATION/	ALIGNMENT
DE11522	30.00 R	134+08.00	WEBB BRIDGE RD
DE11508	30.00 R	135+15.25	WEBB BRIDGE RD
DE11523	61.00 R	135+33.25	WEBB BRIDGE RD
DE10089	136.50 R	135+71.44	WEBB BRIDGE RD
DE10090	140.56 R	134+85.00	WEBB BRIDGE RD
DE11521	61.00 R	134+08.00	WEBB BRIDGE RD
DE11522	30.00 R	134+08.00	WEBB BRIDGE RD

REQD EASMT AREA = 11942.11 SF

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION

TESMT TRACT 1 = 1019.69 SF
TESMT TRACT 2 = 4698.86 SF
TESMT TRACT 3 = 5983.46 SF
TESMT TRACT 4 = 5355.21 SF
TESMT TRACT 5 = 11942.11 SF
TOTAL AREA = 28999.33 SF

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D PERM. EASM'T. FOR DRAINAGE TRACT 1 DE107

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11510	48.26 R	128+51.90	WEBB BRIDGE RD
	22.40	N 82°49'12.4" E	
17	45.20 R	128+75.18	WEBB BRIDGE RD
	33.99	S 41°08'01.5" E	
DE11512	70.00 R	128+99.86	WEBB BRIDGE RD
	25.90	N 88°03'40.0" W	
DE11511	70.00 R	128+72.00	WEBB BRIDGE RD
	28.82	N 40°27'26.4" W	
DE11510	48.26 R	128+51.90	WEBB BRIDGE RD

REQD EASMT = 591.51 SF
REQD EASMT = 0.014 ACRES

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES		
7/19/22		

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0011

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D PERM. EASM'T. TRACT 2 DE1108

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11513	38.44 R	130+70.27	WEBB BRIDGE RD
ARC LENGTH = 21.44			
CHORD BEAR = S 75°46'53.1" E			
LNTH CHORD = 21.43			
RADIUS = 913.07			
DEGREE = 6°16'30.2"			
DE11515	38.85 R	130+92.56	WEBB BRIDGE RD
	28.01	S 6°54'51.2" E	
DE11516	65.00 R	131+03.15	WEBB BRIDGE RD
	19.96	S 89°16'59.8" W	
DE11514	70.00 R	130+82.43	WEBB BRIDGE RD
	33.59	N 7°10'23.6" W	
DE11513	38.44 R	130+70.27	WEBB BRIDGE RD
REQD EASMT = 614.00 SF			
REQD EASMT = 0.014 ACRES			

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION REQ'D PERM. EASM'T. FOR DRAINAGE TRACT 3 DE1109

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE11518	34.45 R	133+11.49	WEBB BRIDGE RD
	20.49	S 79°00'55.5" E	
DE11507	30.00 R	133+31.50	WEBB BRIDGE RD
	76.50	S 66°29'11.8" E	
DE11522	30.00 R	134+08.00	WEBB BRIDGE RD
	31.00	S 23°30'48.2" W	
DE11521	61.00 R	134+08.00	WEBB BRIDGE RD
	70.54	N 66°29'11.8" W	
DE11520	61.00 R	133+37.46	WEBB BRIDGE RD
	20.00	N 78°01'24.5" W	
DE11519	65.00 R	133+17.87	WEBB BRIDGE RD
	31.21	N 11°44'04.7" E	
DE11518	34.45 R	133+11.49	WEBB BRIDGE RD
REQD EASMT = 2914.54 SF			
REQD EASMT = 0.067 ACRES			

PARCEL 1 FULTON COUNTY BOARD OF EDUCATION

PESMT TRACT 1 = 591.51 SF
PESMT TRACT 2 = 614.00 SF
PESMT TRACT 3 = 2914.54 SF
TOTAL AREA = 4120.05 SF

PARCEL 2 ASHTON ATLANTA RESIDENTIAL LLC REQ'D TEMP. EASM'T. TRACT 1 DE1110

PNT	OFFSET/	STATION/	ALIGNMENT
12	86.57 L	133+00.00	WEBB BRIDGE RD
DE11524	113.66 L	133+40.51	WEBB BRIDGE RD
DE11529	111.83 L	133+98.33	WEBB BRIDGE RD
DE10085	116.00 L	134+24.00	WEBB BRIDGE RD
DE10086	162.00 L	134+25.00	WEBB BRIDGE RD
DE10087	162.00 L	134+60.00	WEBB BRIDGE RD
DE11525	120.00 L	134+58.05	WEBB BRIDGE RD
DE11526	88.51 L	134+67.90	WEBB BRIDGE RD
13	89.21 L	133+92.72	WEBB BRIDGE RD
ARC LENGTH = 92.77			
CHORD BEAR = N 68°07'09.3" W			
LNTH CHORD = 92.76			
RADIUS = 1509.59			
DEGREE = 3°47'43.6"			
12	86.57 L	133+00.00	WEBB BRIDGE RD
REQD EASMT AREA = 5185.46 SF			

PARCEL 3 CITY OF ALPHARETTA REQ'D R/W TRACT 1 DE1111

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
11	29.43 L	134+80.75	WEBB BRIDGE RD
	1013.99	S 65°56'16.8" E	
DE10044	29.11 R	144+96.07	WEBB BRIDGE RD
	21.86	N 73°23'22.2" W	
DE10046	31.50 R	144+74.20	WEBB BRIDGE RD
ARC LENGTH = 378.10			
CHORD BEAR = N 69°32'39.2" W			
LNTH CHORD = 378.00			
RADIUS = 4718.50			
DEGREE = 1°12'51.4"			
DE10047	31.50 R	140+93.57	WEBB BRIDGE RD
	69.51	N 71°50'23.5" W	
DE10048	31.50 R	140+24.06	WEBB BRIDGE RD
ARC LENGTH = 245.55			
CHORD BEAR = N 70°26'30.3" W			
LNTH CHORD = 245.53			
RADIUS = 5031.50			
DEGREE = 1°08'19.5"			
DE10049	31.50 R	137+80.05	WEBB BRIDGE RD
	8.50	S 21°18'02.5" W	
DE10050	40.00 R	137+80.00	WEBB BRIDGE RD
	50.40	N 68°45'21.5" W	
DE10051	40.00 R	137+30.00	WEBB BRIDGE RD
	8.50	N 21°52'25.1" E	
DE10052	31.50 R	137+30.05	WEBB BRIDGE RD
ARC LENGTH = 103.89			
CHORD BEAR = N 67°52'45.0" W			
LNTH CHORD = 103.89			
RADIUS = 5031.50			
DEGREE = 1°08'19.5"			
DE10053	31.50 R	136+26.81	WEBB BRIDGE RD
	112.00	N 65°58'14.9" W	
DE11508	30.00 R	135+15.25	WEBB BRIDGE RD
	68.72	N 6°37'17.7" W	
11	29.43 L	134+80.75	WEBB BRIDGE RD
REQD R/W = 34357.33 SF			
REQD R/W = 0.789 ACRES			
REMAINDER = +/- 55 ACRES			

PARCEL 3 CITY OF ALPHARETTA REQ'D PERM. EASM'T. TRACT 1 DE1112

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10053	31.50 R	136+26.81	WEBB BRIDGE RD
ARC LENGTH = 20.18			
CHORD BEAR = S 67°24'09.3" E			
LNTH CHORD = 20.18			
RADIUS = 5031.50			
DEGREE = 1°08'19.5"			
DE10054	31.50 R	136+46.87	WEBB BRIDGE RD
	28.75	S 14°52'15.7" W	
DE10055	60.00 R	136+50.63	WEBB BRIDGE RD
	20.18	N 67°26'46.9" W	
DE10056	60.00 R	136+30.69	WEBB BRIDGE RD
	28.77	N 14°52'15.7" E	
DE10053	31.50 R	136+26.81	WEBB BRIDGE RD
REQD EASMT = 575.06 SF			
REQD EASMT = 0.013 ACRES			

PARCEL 3 CITY OF ALPHARETTA REQ'D PERM. EASM'T. TRACT 2 DE1113

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10057	31.50 R	137+84.05	WEBB BRIDGE RD
ARC LENGTH = 20.36			
CHORD BEAR = S 69°12'19.2" E			
LNTH CHORD = 20.36			
RADIUS = 5031.50			
DEGREE = 1°08'19.5"			
DE10058	31.50 R	138+04.27	WEBB BRIDGE RD
	25.94	S 10°03'55.3" W	
DE10059	57.00 R	138+09.00	WEBB BRIDGE RD
	20.35	N 69°15'36.3" W	
DE10060	57.00 R	137+88.88	WEBB BRIDGE RD
	25.96	N 10°03'55.3" E	
DE10057	31.50 R	137+84.05	WEBB BRIDGE RD
REQD EASMT = 518.89 SF			
REQD EASMT = 0.012 ACRES			

PARCEL 3 CITY OF ALPHARETTA REQ'D PERM. EASM'T. TRACT 3 DE1114

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10064	31.50 R	139+19.61	WEBB BRIDGE RD
ARC LENGTH = 20.34			
CHORD BEAR = S 70°45'31.4" E			
LNTH CHORD = 20.34			
RADIUS = 5031.50			
DEGREE = 1°08'19.5"			
DE10061	31.50 R	139+39.83	WEBB BRIDGE RD
	29.18	S 8°41'37.8" W	
DE10062	60.20 R	139+45.05	WEBB BRIDGE RD
	20.02	N 83°36'07.7" W	
DE10063	64.63 R	139+25.77	WEBB BRIDGE RD
	33.71	N 8°41'37.8" E	
DE10064	31.50 R	139+19.61	WEBB BRIDGE RD
REQD EASMT = 628.76 SF			
REQD EASMT = 0.014 ACRES			

PARCEL 3 CITY OF ALPHARETTA REQ'D PERM. EASM'T. TRACT 4 DE1115

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10068	31.50 R	140+13.60	WEBB BRIDGE RD
	10.53	S 71°46'47.6" E	
DE10048	31.50 R	140+24.06	WEBB BRIDGE RD
	9.47	S 71°50'23.5" E	
DE10065	31.50 R	140+33.53	WEBB BRIDGE RD
	29.62	S 17°44'42.5" W	
DE10066	61.12 R	140+33.75	WEBB BRIDGE RD
	20.00	N 72°24'08.8" W	
DE10067	61.33 R	140+13.88	WEBB BRIDGE RD
	29.83	N 17°44'42.5" E	
DE10068	31.50 R	140+13.60	WEBB BRIDGE RD
REQD EASMT = 594.52 SF			
REQD EASMT = 0.014 ACRES			

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES		
6/3/2022		

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

RIGHT OF WAY PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
60-0012

****
PARCEL 3 CITY OF ALPHARETTA REQ'D PERM. EASM'T. TRACT 5
DE116
****

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10072	31.50 R	141+57.17	WEBB BRIDGE RD
ARC LENGTH = 20.01			
CHORD BEAR = S 70°57'04.5" E			
LNTH CHORD = 20.01			
RADIUS = 4718.50			
DEGREE = 1°12'51.4"			
DE10069	31.50 R	141+77.31	WEBB BRIDGE RD
	23.57	S 17°29'36.2" W	
DE10070	55.06 R	141+78.01	WEBB BRIDGE RD
	20.01	N 71°05'09.4" W	
DE10071	55.11 R	141+57.77	WEBB BRIDGE RD
	23.61	N 17°29'36.2" E	
DE10072	31.50 R	141+57.17	WEBB BRIDGE RD
REQD EASMT = 471.95 SF			
REQD EASMT = 0.011 ACRES			

****
PARCEL 3 CITY OF ALPHARETTA REQ'D PERM. EASM'T. TRACT 6
DE117
****

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10076	31.50 R	142+89.09	WEBB BRIDGE RD
ARC LENGTH = 20.12			
CHORD BEAR = S 69°21'33.4" E			
LNTH CHORD = 20.12			
RADIUS = 4718.50			
DEGREE = 1°12'51.4"			
DE10073	31.50 R	143+09.35	WEBB BRIDGE RD
	18.61	S 26°57'57.1" W	
DE10074	50.00 R	143+07.32	WEBB BRIDGE RD
	20.12	N 69°23'03.4" W	
DE10075	50.00 R	142+86.98	WEBB BRIDGE RD
	18.62	N 26°57'57.1" E	
DE10076	31.50 R	142+89.09	WEBB BRIDGE RD
REQD EASMT = 372.42 SF			
REQD EASMT = 0.009 ACRES			

****
PARCEL 3 CITY OF ALPHARETTA REQ'D PERM. EASM'T. TRACT 7
DE118
****

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10080	31.50 R	143+91.64	WEBB BRIDGE RD
ARC LENGTH = 20.11			
CHORD BEAR = S 68°07'20.4" E			
LNTH CHORD = 20.11			
RADIUS = 4718.50			
DEGREE = 1°12'51.4"			
DE10077	31.50 R	144+11.89	WEBB BRIDGE RD
	23.64	S 15°50'32.5" W	
DE10078	55.00 R	144+14.45	WEBB BRIDGE RD
	20.11	N 68°05'08.3" W	
DE10079	55.00 R	143+94.11	WEBB BRIDGE RD
	23.62	N 15°50'32.5" E	
DE10080	31.50 R	143+91.64	WEBB BRIDGE RD
REQD EASMT = 472.76 SF			
REQD EASMT = 0.011 ACRES			

****
PARCEL 3 CITY OF ALPHARETTA
****
PESMT TRACT 1 = 575.06 SF
PESMT TRACT 2 = 518.89 SF
PESMT TRACT 3 = 628.76 SF
PESMT TRACT 4 = 594.52 SF
PESMT TRACT 5 = 471.95 SF
PESMT TRACT 6 = 372.42 SF
PESMT TRACT 7 = 472.76 SF
TOTAL AREA = 3,634.36 SF

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

REVISION DATES		
6/3/2022		

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
RIGHT OF WAY PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No.
60-0013

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT
4751 BEST ROAD, SUITE 140
COLLEGE PARK, GEORGIA 30337

October 18, 2022

Regulatory Division
SAS-2007-00909

City of Alpharetta
Attention: Ms. Pamela Bush
1790 Hembree Road
Alpharetta , Georgia 30009

Dear Ms. Bush:

I refer to the Pre-Construction Notification, submitted on your behalf by Pond and Company, Incorporated, requesting verification for use of Nationwide Permit No. 13 (NWP 13) and Nationwide Permit No. 14 (NWP 14), for the discharge of fill associated with the widening of Webb Road, and the realignment of an existing 2,700 square foot bridge with an approximately 9,800 square foot bridge, resulting in permanent impacts to aquatic resources. The approximately 0.6-mile project corridor is located along Webb Bridge Road to the east of North Point Parkway, within the City of Alpharetta, Fulton County, Georgia (with center coordinates at latitude: 34.0784, longitude: -84.2504). This project has retained assigned number SAS-2007-00909, and it is important that you refer to this number in all communication concerning this matter.

We understand the proposed bridge realignment activities would involve permanent impacts to 18-linear feet (0.004-acre) of perennial stream and 0.43-acre to forested wetland for the discharge of fill material, and 0.13-acre in conjunction with the permanent conversion of wetlands. The proposed impacts are detailed in the table below. The details of the areas of impact and overall construction plans are depicted in the enclosed seven (7) exhibits consecutively entitled: 1) “Drawing 13-0005: Construction Plans”, 2) “Drawing 13-0006: Construction Plans”, 3) “Drawing 13-0007: Construction Plans”, 4) “Drawing 13-0008: Construction Plans”, 5) “Drawing 35-0001: Plan and Elevation”, 6) “Drawing 38-0001: Special Construction Detail”, and 7) “Drawing 38-0002: Special Construction Detail”, as prepared by Pond and Company, Incorporated, dated March 2022.

Aquatic Resource	Nature of Activity/ Impact	Activity Category	Impact Duration	Impact Amount: LF	Impact Amount: AC
NWP 14					
Wetland: 14	Placement of fill for roadway including the placement of an 18-inch culvert and riprap armoring	Discharge of fill material	Permanent	-	0.15
Wetland: 14	Clearing and grubbing	Conversion	Permanent	-	0.03
Perennial Stream (Big Creek): 16	Placement of 12 driven concrete-encased piles within the channel	Discharge of fill material	Permanent	18	0.004
Wetland: 18	Placement of fill for roadway	Discharge of fill material	Permanent	-	0.03
Wetland: 18	Clearing and grubbing	Conversion	Permanent	-	0.04
Wetland: 19	Placement of fill for roadway including the placement of three 18-inch culverts and riprap armoring	Discharge of fill material	Permanent	-	0.25
NWP 13					
Perennial Stream (Big Creek): 16	Placement of toe wood and boulder geo-lifts within an existing scour hole downstream of the proposed bridge structure to provide additional bank stabilization and to prevent future erosional issues along the right bank (facing downstream)	Discharge of fill material	Permanent	150	0.05
Total: Adverse Stream Impacts				18	0.004
Total: Adverse Wetland Impacts				-	0.56
Total aquatic Resource Impacts				168	0.614

The enclosed exhibit entitled, “Figure 3: Water Resource Map- Aerial, Webb Bridge Road, Alpharetta, GA”, as prepared by Pond and Company, Incorporated, dated May 2022, identifies the delineation limits of the aquatic resources within the project area. The aquatic resources were delineated in accordance with criteria contained in the 1987 "Corps of Engineers Wetland Delineation Manual,” as amended by the most recent regional supplements to the manual. This delineation will remain valid unless new information warrants revision.

The delineation included herein has been conducted to identify the location and extent of the aquatic resource boundaries and/or the jurisdictional status of aquatic resources for purposes of the Clean Water Act for the particular site identified in this request. This delineation and/or jurisdictional determination may not be valid for the Wetland Conservation Provisions of the Food Security Act of 1985, as amended. If you or your tenant are U.S. Department of Agriculture (USDA) program participants, or anticipate participation in USDA programs, you should discuss the applicability of a certified wetland determination with the local USDA service center, prior to starting work.

We have completed coordination with other federal and state agencies as described in Part C (32)(d) of our NWP Program, published in the January 6, 2017, Federal Register, Vol. 82, No. 4, Pages 1860-2008 (82 FR). The NWPs and Savannah District's Regional Conditions for NWPs can be found on our website at http://www.sas.usace.army.mil/Missions/Regulatory/Permitting/GeneralPermits/NationwidePermits.aspx. During our coordination procedure, no adverse comments regarding the proposed work were received.

As a result of our evaluation of your project, we have determined that the proposed activity is authorized as described in Part B of the NWP Program. Your use of this NWP is valid only if:

a. The activity is conducted in accordance with the information submitted and meets the conditions applicable to the NWP, as described at Part C of the NWP Program and the Savannah District's Regional Conditions for NWPs.

b. Prior to the commencement of any permitted work in aquatic resources, the permittee shall purchase 14.00 (2018) stream mitigation credits from Mulberry Grove Mitigation Bank. Documentation of these credit purchases should be submitted to the U.S. Army Corps of Engineers. The credit purchase documentation must reference the Corps file number assigned to the permitted project (SAS-2007-00909). If all or a portion of the required credits are not available from Mulberry Grove Mitigation Bank, the permittee shall obtain written approval from the Corps prior to purchasing credits from an alternate mitigation bank.

c. Prior to the commencement of any permitted work in aquatic resources, the permittee shall purchase 0.30 (2018) wetland mitigation credits from Mulberry Grove Mitigation Bank. Documentation of these credit purchases should be submitted to the U.S. Army Corps of Engineers. The credit purchase documentation must reference the Corps file number assigned to the permitted project (SAS-2007-00909). If all or a portion of the required credits are not available from Mulberry Grove Mitigation Bank,

the permittee shall obtain written approval from the Corps prior to purchasing credits from an alternate mitigation bank.

d. Prior to any land disturbing activity on the project site, the permittee shall clearly mark all waters of the United States that are authorized to be impacted (impact-waters). Acceptable forms of marking include high visibility orange construction fencing or flagging at eye level, at intervals of 25 feet or less along the entire jurisdictional boundary. Pin flags or other ground level marking is not acceptable. In addition, the permittee shall clearly mark waters of the United States that are not to be impacted (no-impact-waters), if they are located within 50 feet of any construction activities. The boundaries of impact-waters and no-impact-waters shall be marked differently, to ensure that these areas are clearly identifiable to equipment operators. All no-impact-waters marking shall be maintained until the entire project has been completed.

e. You shall notify the Corps, in writing, at least 10 days in advance of commencement of work authorized by this permit.

f. You fill out and sign the enclosed certification and return it to our office within 30 days of completion of the activity authorized by this permit.

This proposal was reviewed in accordance with Section 7 of the Endangered Species Act. Based on the information we have available, we have determined that the project would have no effect on any threatened or endangered species nor any critical habitat for such species. Authorization of an activity by a NWP does not authorize the "take" of threatened or endangered species. In the absence of separate authorization, both lethal and non-lethal "takes" of protected species are in violation of the Endangered Species Act. See Part (C) of 86 FR for more information.

This verification is valid until the NWP is modified, reissued or revoked. All of the existing NWPs are scheduled to expire on March 18, 2022. It is incumbent upon you to remain informed of changes to the NWPs. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

This authorization should not be construed to mean that any future projects requiring Department of the Army authorization would necessarily be authorized. Any new proposal, whether associated with this project or not, would be evaluated on a case-by-case basis. Any prior approvals would not be a determining factor in making a decision on any future request.

Revisions to your proposal may invalidate this authorization. In the event changes to this project are contemplated, I recommend that you coordinate with us prior to proceeding with the work.

This communication does not relieve you of any obligation or responsibility for complying with the provisions of any other laws or regulations of other federal, state or local authorities. It does not affect your liability for any damages or claims that may arise as a result of the work. It does not convey any property rights, either in real estate or material, or any exclusive privileges. It also does not affect your liability for any interference with existing or proposed federal projects. If the information you have submitted and on which the Corps bases its determination/decision of authorization under the NWP is later found to be in error, this determination may be subject to modification, suspension, or revocation.

An electronic copy of this letter is being provided to the following party: Mr. Glenn Martin, Pond and Company, Inc., (via email: MartinGi@PondCo.com).

Thank you in advance for completing our on-line Customer Survey Form located at https://regulatory.ops.usace.army.mil/customer-service-survey/. We value your comments and appreciate your taking the time to complete a survey each time you interact with our office.

If you have any questions, please contact me by telephone at (678) 422-2728 or by email at Oya.M.Money-Worthy@usace.army.mil

Sincerely,

Oya Money-Worthy

Oya Money-Worthy
Regulatory Specialist, Piedmont Branch

Enclosures

Regulatory Division

CERTIFICATION OF COMPLIANCE
WITH DEPARTMENT OF THE ARMY
NATIONWIDE PERMIT (13 & 14)

PERMIT FILE NUMBER: SAS-2007-00909

PERMITTEE/ADDRESS: City of Alpharetta, Attention: Ms. Pamela Bush, 1790 Hembree Road, Alpharetta, Georgia 30009

LOCATION OF WORK: This approximately 0.6-mile project site is located along Webb Bridge Road from east of North Point Parkway, Alpharetta, Fulton County, Georgia (with center coordinates at latitude: 34.0784, -84.2504).

PROJECT DESCRIPTION: The proposed project is requesting verification for the expansion of Webb Road and the realignment of an existing 2,700 square foot bridge with an approximately 9,800 square foot bridge.

WATERS OF THE UNITED STATES IMPACTED: Proposed permanent impacts to 18-linear feet (0.004-acre) of perennial stream and 0.43-acre to forested wetland for the discharge of fill material, and 0.13-acre for the permanent conversion of wetlands.within the Upper Chattahoochee River Watershed [HUC 03130001].

DATE WORK IN WATERS OF UNITED STATES COMPLETED: _____

COMPENSATORY MITIGATION REQUIRED: 14.00 (2018) stream mitigation credits and 0.30 (2018) wetland mitigation credits

DATE MITIGATION COMPLETED OR PURCHASED (include name of bank(s)):

I understand that the permitted activity is subject to a U.S. Army Corps of Engineers' Compliance Inspection. If I fail to comply with the permit conditions at Part C of the Nationwide Permit Program, published in the January 6, 2017, Federal Register, Vol. 82, No.4, Pages 1860-2008, it may be subject to suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit as well as any required mitigation (if applicable) has been completed in accordance with the terms and conditions of the said permit.

_____ _____

Signature of Permittee Date

Curve* 7
PI Sta* 129+76.38
N* 1483806.9397
E* 2270567.2763
DELTA* 33°47'57.6" (RT)
D* 05°43'46.48"
T* 303.82
L* 589.91
R* 1000.00
E* 45.13

PAIGE V & WILLIAM A LEDGERWOOD
TAX ID: 21 55011790698
DB 57208, PG 632
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011780707
DB 56716, PG 517
PB 380, PG 33

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 55011790714
DB 56716, PG 517

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 551012440200
DB 30026, PG 193

WEBB BRIDGE ROAD
STRATH DRIVE
CURVE #7
EXIST R/W
REQ'D R/W
P.I. 129+76.38
WATCH LINE STA. 127+50.00
SEE SHEET 13-0004
WATCH LINE STA. 133+00.00
SEE SHEET 13-0006
END MILL & OVERLAY
END WIDENING
BEGIN RECONSTRUCTION
STA 130+30.66
LIMITS OF CONSTRUCTION TIE TO EXIST
201+00.7 22.12' LT
200+99.06 22.01' RT
END SIDEWALK TIE TO EXISTING 131+04.06 92.94' LT
BEGIN SIDEWALK TIE TO EXISTING 130+85.65 72.39' LT
BEGIN SIDEWALK 131+04.75 28.92' LT
BEGIN SIDEWALK TIE TO EXISTING 131+66.40 97.48' LT
+04.67 80.94' LT
+10.47 57.60' LT
201+00
+99.00 77.82' LT
+97.30 36.96' LT
+04.49 57.08' LT
+04.63 75.65' LT
END C&G TIE TO EXIST
+31.10 87.63' LT
+39.39 89.65' LT
+84.80 20.40' LT
+15.10 51.80' LT
+36.68 39.19' LT
+41.33 39.63' LT
+63.39 47.27' LT
+92.87 36.55' LT
+90.81 19.93' LT
+29.34 24.94' LT
+29.00 18.45' LT
+75.93 67.79' LT
+91.08 33.04' LT
+90.23 23.04' LT
+29.88 34.93' LT
BEGIN TYPE W GUARDRAIL GA STD 4380 132+06.21 38.00' LT
END TYPE W GUARDRAIL
BEGIN TYPE T GUARDRAIL GA STD 4385 132+89.34 35.03' LT
END 6" HEADER CURB
BEGIN C&G STA. 132+94.67 16.30' LT
TYPE I ANCHOR GA STD 4383 131+94.63 41.02' LT
BEGIN SIDEWALK 131+64.05 36.54' LT
+14.59 19.03' RT
+14.26 25.53' RT
+14.12 35.53' RT
INTERSECTION
WEBB BRIDGE ROAD STA. 131+41.28
STRATH DRIVE STA. 200+00.00
N*1483727.2369
E*2270732.0763
RECESS R/W MARKER
BEGIN TYPE 12A ANCHOR GA STD 4384 131+64.70 37.61' RT
END TYPE 12A ANCHOR
BEGIN TYPE W GUARDRAIL GA STD 4380 132+17.83 37.52' RT
6 SY TP 3 RIP RAP, 12 IN
REQ'D DRAINAGE PESMT TRACT 1
REQ'D DRAINAGE PESMT TRACT 2
TYPE A SIDEWALK RAMP
TYPE D SIDEWALK RAMP
RETAIN EX. CONC. S.W.
FES TO REMAIN
CUT EXISTING PIPE
EXISTING: 4" PLASTIC GAS MAIN NOP: 60 PSIG
EXISTING: 2" PLASTIC GAS MAIN NOP: 60 PSIG
EXISTING: 2" GAS VALVE
DO NOT DISTURB EXIST. LANDSCAPE
6' LANDSCAPED STRIP
10' SIDEWALK
6" CONCRETE
WETLAND 14
BUFFER
OHWM/WRESTED VEGETATION
PERENNIAL STREAM 13
STREAM F/L
EDGE OF WATER
METAL FENCE
DATE
B-2 B-1 B-0 C-3 C-3.1 C-4 C-2 C-1 C-0 D-1.2
1 2
R 29' R 23' R 3' R 31' R 44'
18° 20.6' 19.2'
200+00
128+00 129+00 130+00 131+00 132+00
S 66°29'11.8" E
N

5 acre discharge of fill
e of channel

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
CONSTRUCTION PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 13-0005

WETLAND 15

PERENNIAL STREAM 16

2

ASHTON ATLANTA RESIDENTIAL LLC
TAX ID: 21 5501190714
DB 56716, PG 517

CITY OF ALPHARETTA
TAX ID: 21 5550124I0246
DB 26462, PG 29

PERENNIAL STREAM 17

Removal of fill associated with existing structure from

25' BUFFER

TOP OF BANK

OHWM

UNDISTURBED WOODED VEGETATION

BIG CREEK

135+00

136+00

137+00

138+00

133+38.24
24.96' LT
EXIST R/W

+36.74
23.46' LT

BEGIN APPROACH SLAB
GA STD 9017K
STA 133+43.00

BEGIN WOOD TOE
SEE SHEET 38-002
STA 134+70.50
OFF 32.50' RT

+37.06
10.50' LT

+37.26
13.00' LT

END TYPE T GUARDRAIL
TIE TO BRIDGE
GA STD 4391
133+69.21
23.46' LT

DICA
TYP=SPA.25
INT=SPA.25

BEGIN BRIDGE
SEE GRADING PLAN
STA 133+73.00

EXIST R/W

LIMITS OF CONSTRUCTION
TIE TO EXIST

BEGIN TYPE T GUARDRAIL
TIE TO BRIDGE
GA STD 4391
136+64.21
23.45' LT

+36.58
31.00' LT

END BRIDGE
STA 135+73.00

R 25'

+31.59
26.00' LT

END TYPE T GUARDRAIL
BEGIN TYPE W GUARDRAIL
GA STD 4385
136+34.86
28.00' LT

END TYPE W GUARDRAIL
BEGIN TYPE 12A ANCHOR
GA STD 4380
137+36.96
28.00' LT

END TYPE 12A ANCHOR
GA STD 4384
137+90.39
27.95' LT

INTERSECTION
WEBB BRIDGE ROAD
STA. 137+51.09
BIG CREEK GREENWAY
STA. 303+13.77
N:1483494.2662
E:2271295.3666

R 25'

BEGIN HANDRAIL
138+00.00
28.00 RT

R 11'

R 4983'

10' SIDEWALK

3.5' LANDSCAPED STRIP

EXIST R/W

R 4990'

CURVE #8

WEBB BRIDGE ROAD

+13.29
13.00' RT

303+00

REMOVABLE STEEL BOLLARD
SEE DETAIL ON 05-0007

10.5'

+33.35
26.00' RT

+36.04
16.00' RT

+36.07
26.00' RT

TYPE I ANCHOR
GA STD 4383
137+33.37
28.00' RT

TYPE I ANCHOR
GA STD 4383
137+46.31
41.14' RT

PT 302+63.16

+49.36
41.42' RT

PC 302+22.72

CURVE #24
N 17°21'20.7" E

BIG CREEK GREENWAY

R 17'

+77.30
28.00' RT

+61.34
50.50' RT

9 SY TP 3
RIP RAP,
12 IN

PI 302+44.12

137+90.65

REFER TO SHEET
05-0008 FOR MORE
DETAILS ON EXIST.
TRASH CAN

R 56'

R 44'

+23.04
6.00' RT

MATCH LINE STA. 138+50.00
SEE SHEET 13-0007

MATCH LINE STA. 135+00.00

MATCH LINE STA. 302+00.00
SEE INSET A

D-1

D-2

E-2

E-1

E-0

F-2

F-1

F-0

linear feet (0.00

Erosion Stabilization
Type wood

Curve* 1A
PI Sta* 301+23.86
N* 1483366.6393
E* 2271154.7550
DELTA* 63°02'37.5" (RT)
D* 57°17'44.81"
T* 61.33; L* 110.03
R* 100.00; E* 17.31

Curve* 2A
PI Sta* 302+44.12
N* 1483425.5359
E* 2271273.8861
DELTA* 46°20'13.8" (LT)
D* 114°35'29.61"
T* 21.40
L* 40.44
R* 50.00
E* 4.39

Curve* 8
PI Sta* 137+90.65
N* 1483475.0036
E* 2271330.1893
DELTA* 05°21'11.7" (LT)
D* 01°08'45.30"
T* 233.75
L* 467.16
R* 5000.00
E* 5.46

INSET A

PI 301+23.86

301+00

STREAM F/L

EXIST R/W

25' BUFFER

REMOVE EXIST. TRAIL
GRADE TO DRAIN.

+72.56
6.00' LT

N 63°41'34.6

CURVE #1A

PT 301+72.56

+62.52
6.00' LT

+46.32
6.00' LT

LIMITS OF CONSTRUCTION
TIE TO BIG CREEK GREENWAY

PC 300+62.52

WATCH LINE STA. 302+00.00
SEE THIS SHEET

N

+43.80
10.5' RT

END TYPE T GUARDRAIL
TIE TO BRIDGE
GA STD 4391
133+81.79
23.46' RT

END TYPE W GUARDRAIL
BEGIN TYPE T GUARDRAIL
GA STD 4385
133+11.14
34.38' RT

9 SY TP 3
RIP RAP,
12 IN

+43.76
13.00' RT

+44.38
23.00' RT

133+44.38
25.00' RT

PERENNIAL STREAM 14

25' BUFFER

END 6" HEADER CURB
BEGIN C&G
STA. 133+06.12
15.72' RT

1

FULTON COUNTY BOARD OF EDUCATION
TAX ID: 22 5510124402O0
DB 30026, PG 193

FOR FILL IN CREEK
SEE WOOD TOE DETAIL
SHEET 38-002

END WOOD TOE
STA 134+84.00
OFF 108.00' RT

UNDISTURBED WOODED VEGETATION

PERENNIAL STREAM 16

END APPROACH SLAB
GA STD 9017K
STA 136+03.00

END TYPE T GUARDRAIL
BEGIN TYPE W GUARDRAIL
GA STD 4385
136+47.34
28.00' RT

3

CITY OF ALPHARETTA
TAX ID: 21 5550124I0253
DB N/A, PG N/A

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA

OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0006

Curve# 8
PI Sta: 137+90.65
N: 1483475.0036
E: 2271330.1893
DELTA: 05°21'11.7" (LT)
D: 01°08'45.30"
T: 233.75
L: 467.16
R: 5000.00
E: 5.46

Curve# 9
PI Sta: 143+39.70
N: 1483303.7741
E: 2271852.2104
DELTA: 05°55'56.8" (RT)
D: 01°12'22.42"
T: 246.13
L: 491.82
R: 4750.00
E: 6.37

CITY OF ALPHARETTA
TAX ID: 21 555012410246
DB 26462, PG 29

WL 18:
0.03 acre of discharge of fill
0.04 acre of clearing/grubbing

WETLAND 18

139+00 140+00 141+00 142+00 143+00

MATCH LINE STA. 138+50.00
SEE SHEET 13-0006

MATCH LINE STA. 144+00.00
SEE SHEET 13-0008

BEGIN HANDRAIL
142+40.00
26.00 LT

EXIST R/W

P.I. 140+24.06

END NORMAL CROWN
+24.00
-2.00%

+24.06
26.00' LT

+24.06
16.00' LT

+93.57
26.00' LT

+93.57
16.00' LT

END RECONSTRUCTION
BEGIN WIDENING
BEGIN MILL & OVERLAY
STA. 140+89.82

D-21
N : 1483443.75
E : 2271493.80
EL: 988.51
DESC: MAGNLS

SMCB
TOP=988.50
OUT=984.45

SMCB
TOP=988.52
OUT=984.76

SMCB
TOP=988.59
OUT=984.23

10' SIDEWALK
3.5' LANDSCAPED STRIP
12' SIDEWALK

G-2 H-2 I-2 J-1 H-1 H-0

CURVE #9
WEBB BRIDGE ROAD

S 71°50'23.15" E

200.10'
200.2'

18"

10.5' 10.6'

END WIDENING
STA 143+73.62

TP 3
RIP RAP,
12 IN

RIP RAP,
12 IN

RIP RAP,
12 IN

END HANDRAIL
144+00.00
28.00 RT

3

CITY OF ALPHARETTA
TAX ID: 21 555012410253
DB N/A, PG N/A

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners

THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS

CONSTRUCTION PLANS

WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No.
13-0007

Curve° 9
PI Sta° 143+39.70
N° 1483303.7741
E° 2271852.2104
DELTA° 05°55'56.8" (RT)
D° 01°12'22.42"
T° 246.13
L° 491.82
R° 4750.00
E° 6.37

CITY OF ALPHARETTA
TAX ID: 21 555012410246
DB 26462, PG 29

WL 18:
0.03 acre of discharge of fill
0.04 acre of clearing/grubbing

WETLAND 18
WETLAND 20
WETLAND 19
144+00
145+00
146+00
146+78
144+00.00
MATCH LINE STA. 144+00.00
SEE SHEET 13-0007
END SIDEWALK
TIE TO EXISTING
END HANDRAIL
146+29.18
26.00' LT
END 24" C&G
TIE TO EXISTING
146+30.27
10.50' LT
EXIST R/W
IE: 981.83
10' SIDEWALK
3.5' LANDSCAPED STRIP
CURVE #9
WEBB BRIDGE ROAD
S 65°54'26.7" E
P.O.E. 146+77.96
P.T. 145+85.39
CONC. S.W.
SPUR-24B
RECONSTRUCT CATCH BASIN TOP
EXISTING PIPE TO REMAIN
RETAIN EX. CONC. S.W.
IE: 979.18
9 SY TP 3
RIP RAP,
12 IN
END SIDEWALK
TIE TO EXISTING
144+84.55
26.00' RT
3
CITY OF ALPHARETTA
TAX ID: 21 555012410253
DB N/A, PG N/A
END MILL & OVERLAY
TIE TO PROPOSED
BY OTHERS
STA. 145+94.00
N: 1483176.9267
E: 2272135.8795
END CONSTRUCTION
END PROJECT
STA. 146+30.27
N:1483184.979
E:2272117.873
SIDEWALK TO BE BUILT BY OTHERS
CURB AND GUTTER TO BE BUILT BY OTHERS
GUARDRAIL TO BE BUILT BY OTHERS
D-20
N : 1483079.28
E : 2272313.67
EL: 1002.86
DESC:MAGNLS
PROPOSED
CONSTRUCTION
BY OTHERS
WEBB BRIDGE HOLDINGS LL
TAX ID: 21 555012410295
DB 44258, PG 389
WEBB BRIDGE HOLDINGS LLC
TAX ID: 21 555012410196
DB 48820, PG 324
EXIST R/W

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

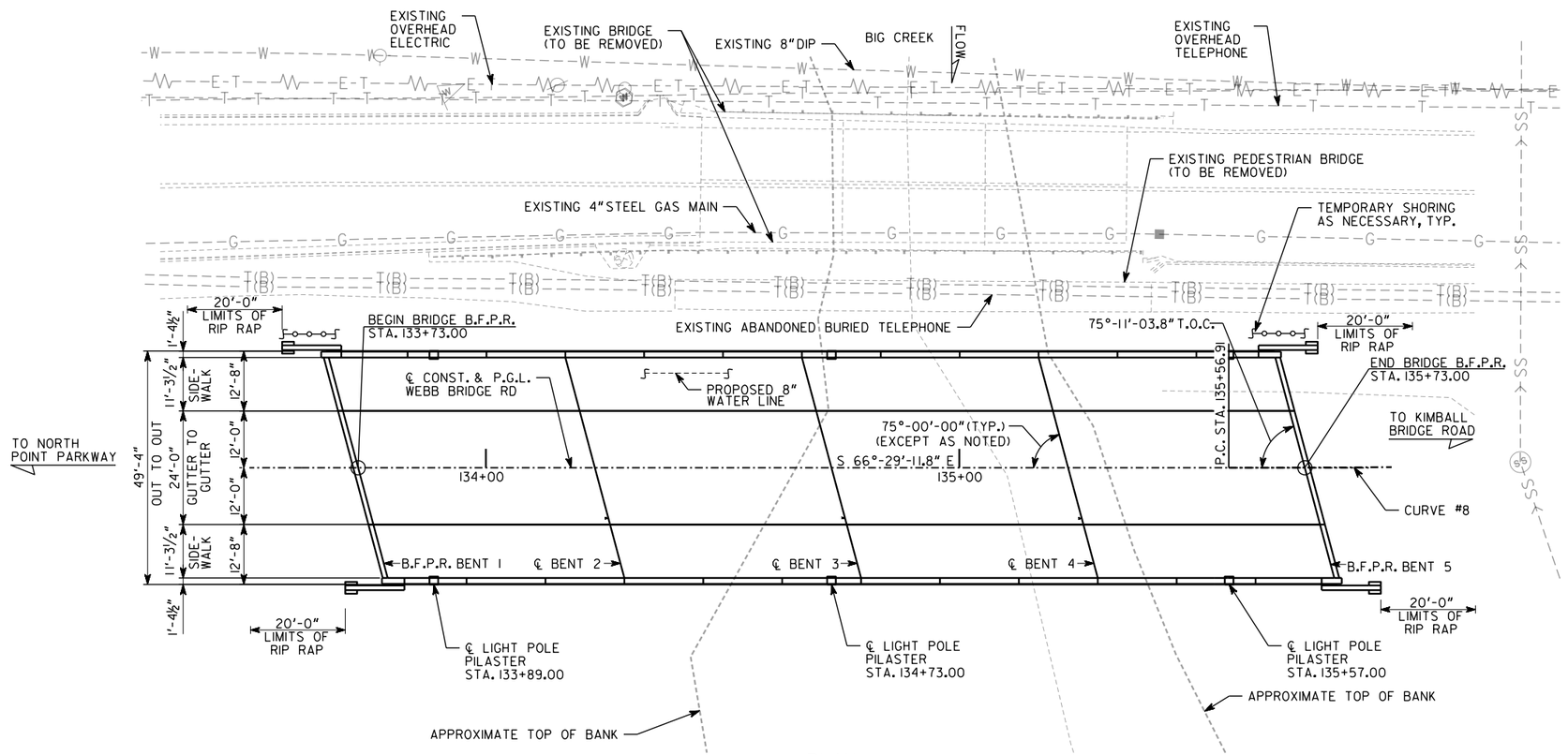
BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

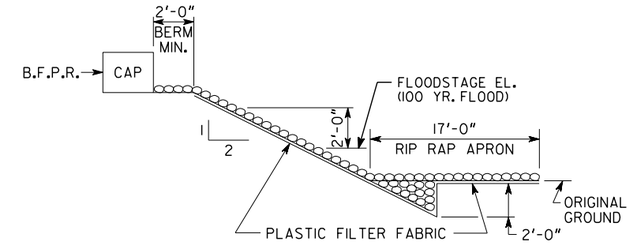
REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
CONSTRUCTION PLANS
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No.
13-0008

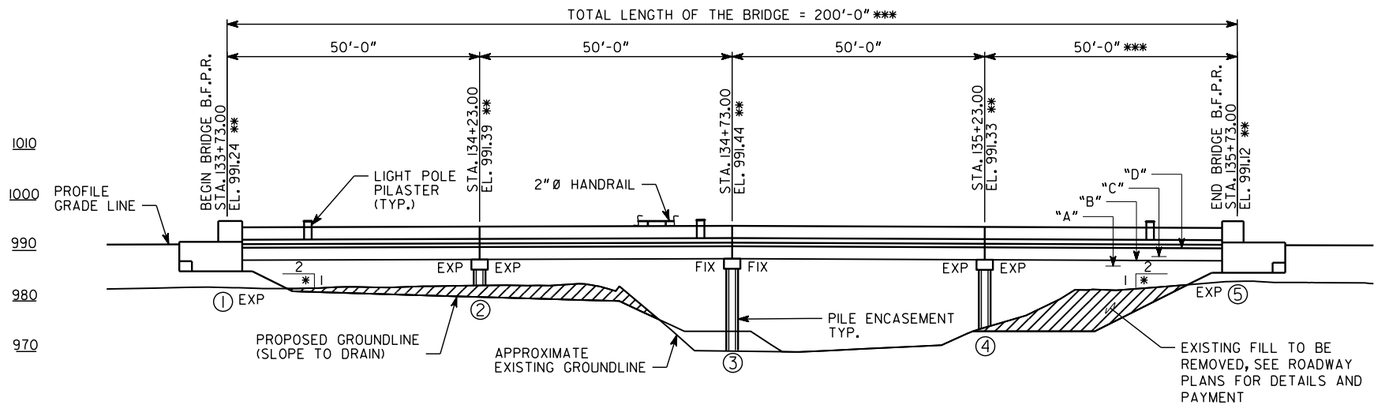


PLAN

PLACE RIP RAP AND FILTER FABRIC FROM 2 FT. BELOW ORIGINAL GROUND TO 2 FT. ABOVE FLOODSTAGE ELEVATION. EXTEND RIP RAP AND FILTER FABRIC 20 FT. BEYOND END OF WINGWALLS UNLESS OTHERWISE NOTED. WHERE BERM ELEVATION IS LOWER THAN 2 FT. ABOVE FLOODSTAGE, EXTEND RIP RAP AND FILTER FABRIC ACROSS BERM.



RIP RAP DETAIL
NO SCALE



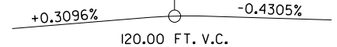
ELEVATION

FLOODSTAGE ELEVATIONS		
KEY	YEAR	FLOODSTAGE ELEVATION
"A"	25	986.94
"B"	50	987.96
"C"	100	988.82
"D"	500	990.47

HIGH WATER ELEVATIONS SHOWN ARE AT FIRST CROSS SECTION UPSTREAM OR DOWNSTREAM OF THE BRIDGE, RESPECTIVELY.

PI STA= 137+90.65
Δ= 05°-21'-11.7"(LT)
D= 01°-08'-45.30"
T= 233.75 FT
L= 467.16 FT
R= 5000.00 FT
E= 5.46

CURVE DATA
CL WEBB BRIDGE ROAD
CURVE #8



VERTICAL CURVE DATA

NOTES:

1. END BENT PILES NOT SHOWN.
2. *** - MEASURED ALONG ℄ WEBB BRIDGE ROAD
3. ** - STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND B.F.P.R. OR ℄ BENT.
4. * - SLOPE NORMAL TO BENT.
5. ALL BENTS ARE PARALLEL.

BRIDGE SERIAL NO. 121-0300-0
BRIDGE ID NO. 121-0941M-005.80E
PROJECT NO. 1200980

BRIDGE NO. 1

POND
Architects ▪ Engineers ▪ Planners

GEORGIA
CITY OF ALPHARETTA
PUBLIC WORKS DEPARTMENT

PLAN AND ELEVATION
WEBB BRIDGE ROAD OVER BIG CREEK
FULTON COUNTY

SCALE: 1" = 30'-0", UNLESS NOTED OTHERWISE MARCH 2022

DRAWING NO. 35-0001
BRIDGE SHEET 1 OF 14

DESIGNED RK | CHECKED DM | REVIEWED
DRAWN AN | DESIGN GROUP | APPROVED

REVISIONS | DATE | BY

1 INCH WHEN PRINTED FULL SIZE

WETLAND
PERENNIAL STREAM
TOP OF BANK
25' BUFFER
2
DE11524
133+40.51
113.66' LT
REQ'D TESMT
TRACT 1
BIG CREEK
BEGIN APPROACH SLAB
GA STD 9017K
STA 133+43.00
BEGIN TOE WOOD
SEE SHEET 38-002
STA 134+70.50
OFF 32.50' RT
BEGIN BRIDGE
SEE GRADING PLAN
STA 133+73.00
S 66°29'11.8" E
REQ'D R/W
WETLAND
REQ'D DRAINAGE
PESMT TRACT 3
9 SY TP 3
RIP RAP,
12 IN
PERENNIAL
STREAM
REQ'D TESMT
TRACT 5
FOR FILL IN CREEK
SEE TOE WOOD DETAIL
SHEET 38-002
END TOE WOOD
STA 134+84.00
OFF 108.00' RT
END APPROACH SLAB
GA STD 9017K
STA 136+03.00
END BRIDGE
STA 135+73.00
LIMITS OF
CONSTRUCTION
TIE TO EXIST
INSET A
INTERSECTION
WEBB BRIDGE ROAD
STA. 137+51.09
BTG CREEK GREENWAY
STA. 303+13.77
N:1483494.2662
E:2271295.3666
BEGIN HANDRAIL
138+00.00
28.00 RT
WEBB BRIDGE ROAD
303+00
REQ'D DRAINAGE
PESMT TRACT 1
9 SY TP 3
RIP RAP,
12 IN
PT 302+63.16
N 17°21'20.7" E
PC 302+22.72
PT 302+44.12
BIG CREEK GREENWAY
REQ'D DRAINAGE
PESMT TRACT 2
REQ'D R/W
MATCH LINE STA. 302+00.00
SEE INSET A
MATCH LINE STA. 302+00.00
SEE THIS SHEET
N 63°41'34.6

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

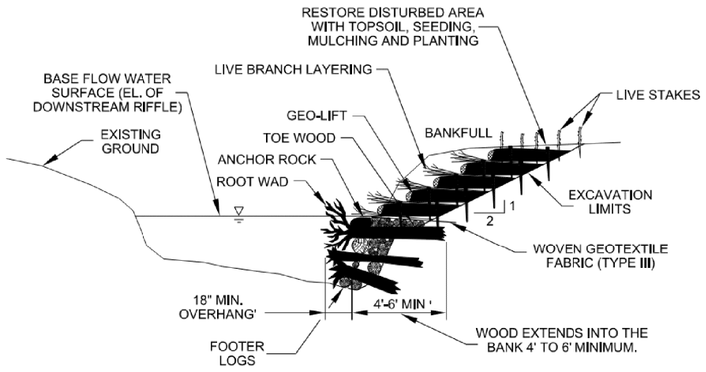
BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND
Architects ▪ Engineers ▪ Planners
THE CITY OF ALPHARETTA GEORGIA

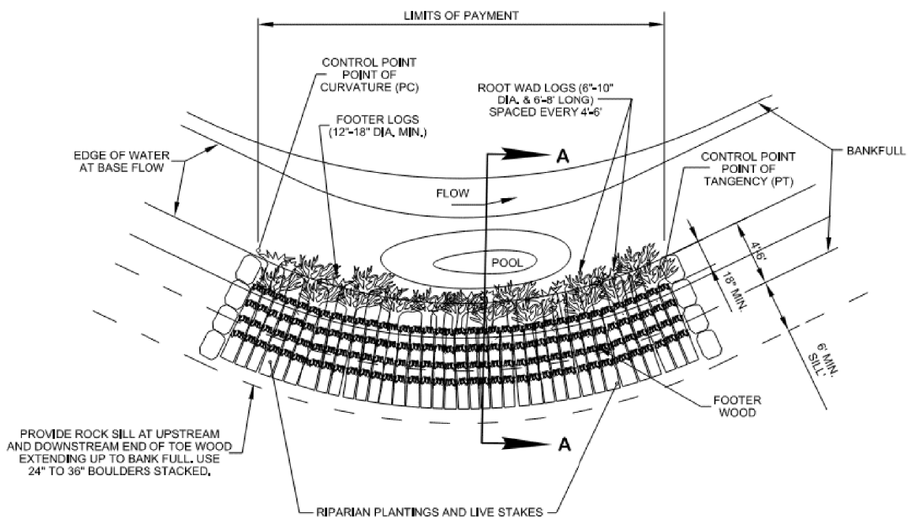
SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SPECIAL CONSTRUCTION DETAIL
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY
DRAWING No. 38-0001

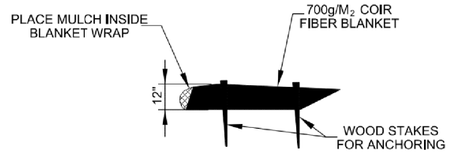


SECTION A-A



PLAN VIEW

WOOD TOE



REINFORCED EARTH GEO-LIFTS

(AS DIRECTED BY THE ENGINEER)



WOOD STAKE

NOTE: STAKES MAY BE MADE BY SAWING A 2" x 4" DIAGONALLY IN HALF.

REV. 9-15-17: MODIFIED PAY ITEM DESCRIPTION. MODIFIED THE STREAM MITIGATION PLAN LEGEND SYMBOL. ADDED NOTE (H). MODIFIED WOOD TOE PLAN VIEW. ADDED "GEO-LIFTS" AND AS DIRECTED BY THE ENGINEER: TO THE REINFORCED EARTH DETAIL. MODIFIED DRAWING NAME . MODIFIED PLAN VIEW AND LEGEND.

REV. 05-01-20: REDREW SHEET.

WOOD TOE WITH GEO-LIFTS NOTES

(A) WOOD AND BOULDER TOE WITH GEO-LIFTS AND LIVE BRUSH LAYERING ARE BANK STABILIZATION MEASURES THAT PROTECT THE STREAM BANK ALONG OUTSIDE MEANDER BENDS FROM EROSION AND ENHANCE THE ESTABLISHMENT AND GROWTH OF NATIVE VEGETATION USING LIVE BRANCHES AND CUTTINGS. WOOD TOE ALSO PROVIDES HABITAT FOR INVERTEBRATES AND FISH AND HELPS TO MAINTAIN POOL DEPTH BY CREATING TURBULENT FLOW AND SCOUR ALONG THE STREAM BED.

(B) WOOD AND BOULDER TOE WITH LIVE BRUSH LAYERING SHOULD BE PLACED AT THE STATIONS, OFFSETS, ELEVATIONS, AND GEOMORPHIC POSITIONS INDICATED ON THE STREAM MITIGATION DATA TABLE IN THE PROJECT PLANS, STREAM MITIGATION PLAN, OR AS DIRECTED BY THE ENGINEER. AT A MINIMUM, THE BANKFULL WIDTH, WOOD AND BOULDER DIMENSIONS AND ELEVATIONS, NUMBER AND DIMENSIONS OF GEO-LIFTS, AND LENGTH AND NUMBER OF LIVE BRUSH AND CUTTINGS SHOULD BE SPECIFIED IN THE STREAM MITIGATION DATA TABLE.

(C) WOOD TOE SHALL CONSIST OF A MIX OF ROOT WADS, LOGS, BRANCHES, BRUSH, AND OTHER WOODY VEGETATION INSTALLED AT VARIOUS ANGLE, BUT NOT PARALLEL TO THE FLOW.

(D) A HYDRAULIC EXCAVATOR WITH A HYDRAULIC THUMB SHALL BE USED TO PLACE WOOD AND BOULDERS.

(E) CONSTRUCT WOOD OR BOULDER TOE, GEO-LIFTS, AND LIVE BRUSH LAYERING BY:

(1) SHAPE THE CHANNEL AND FLOODPLAIN TO THE SPECIFIED GRADES AND DIMENSIONS.

(2) EXCAVATE THE POOL AND GRADE EXISTING BANK SUBGRADE TO 2:1 (MIN).

(3) FOR WOOD TOE, LAYER THE WOOD WITH LARGER MATERIAL ON THE BOTTOM AND A MAT OF BRANCHES AS THE TOP LAYER. IF USED, ANGLE ROOT WADS SLIGHTLY UPSTREAM INTO THE FLOW. FILL GAPS BETWEEN LARGER MATERIAL WITH A MIX OF BRANCHES AND WOODY DEBRIS. THE TOP TYPE III LAYER OF TOE WOOD SHALL BE AT THE ESTABLISHED NORMAL BASE FLOW ELEVATION (I.E., ELEVATION OF THE DOWNSTREAM RIFFLE). PLACE WOVEN GEOTEXTILE FABRIC ON TOP OF WOOD TOE.

(4) FOR BOULDER TOE, EXCAVATE BANK TO KEY IN BOULDERS AND PLACE TYPE III WOVEN GEOTEXTILE FABRIC ALONG THE EXCAVATED BANK. PLACE BOULDERS IN OVERLAPPING LAYERS AND IMBRICATE EACH LAYER. BACKFILL AREA BEHIND BOULDER WITH SOIL OR ALLUVIUM AND COMPACT WITH EXCAVATOR BUCKET.

(5) CONSTRUCT GEO-LIFTS AND LIVE BRUSH LAYERING ABOVE WOOD OR BOULDER TOE, AS FOLLOWS:

(a) FOR EACH LIFT, PLACE BRUSH CUTTINGS PERPENDICULAR TO THE BANK AT A DENSITY OF 10-12 STEMS PER FOOT AND COVER WITH 2" OF SOIL.

(b) LAY 700G COIR BLANKETS OVER THE LIVE CUTTINGS PARALLEL TO THE BANK AND SHINGLED IN A DOWNSTREAM DIRECTION.

(c) PLACE SPECIFIED SOIL LIFT OVER THE BACK HALF OF THE COIR BLANKET AND COMPACT WITH THE EXCAVATOR BUCKET.

(d) PLACE CLEAN STRAW OR MULCH ALONG THE FACE OF THE SOIL LIFT, WRAP THE LIFT WITH THE FRONT HALF OF THE COIR BLANKET AND STAKE IN PLACE WITH A MINIMUM OF TWO ROWS OF 2" x 4" x 18" WOOD STAKES AT FIVE-FOOT SPACING.

(e) REPEAT STEPS (a) THROUGH (d) FOR EACH GEO-LIFT SPECIFIED.

(f) PLACE LIVE STAKES OR WOODY PLANTINGS, AS SPECIFIED, ON THE TOP LIFT.

(F) ALL MATERIALS ARE TO BE APPROVED BY ENGINEER OR ENGINEER'S ONSITE CONSTRUCTION OBSERVER.

(G) PAYMENT FOR THE WOOD TOE WITH REINFORCED EARTH AND LIVE BRUSH LAYERING SYSTEM SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION, AND SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBERS:

209-03.67, STREAM MITIGATION - WOOD TOE W/REINFORCED EARTH, L.F.,

209-03.42, STREAM MITIGATION - LIVE BRUSH LAYERING, L.F.

(H) FOR BOULDER TOE DETAILS SEE STANDARD DRAWING D-NSD-32A.

STREAM MITIGATION PLAN LEGEND: WOOD TOE WITH GEO-LIFTS

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

TREE PROTECTION / LIMITS OF DISTURBANCE FENCING

POND Architects ▪ Engineers ▪ Planners

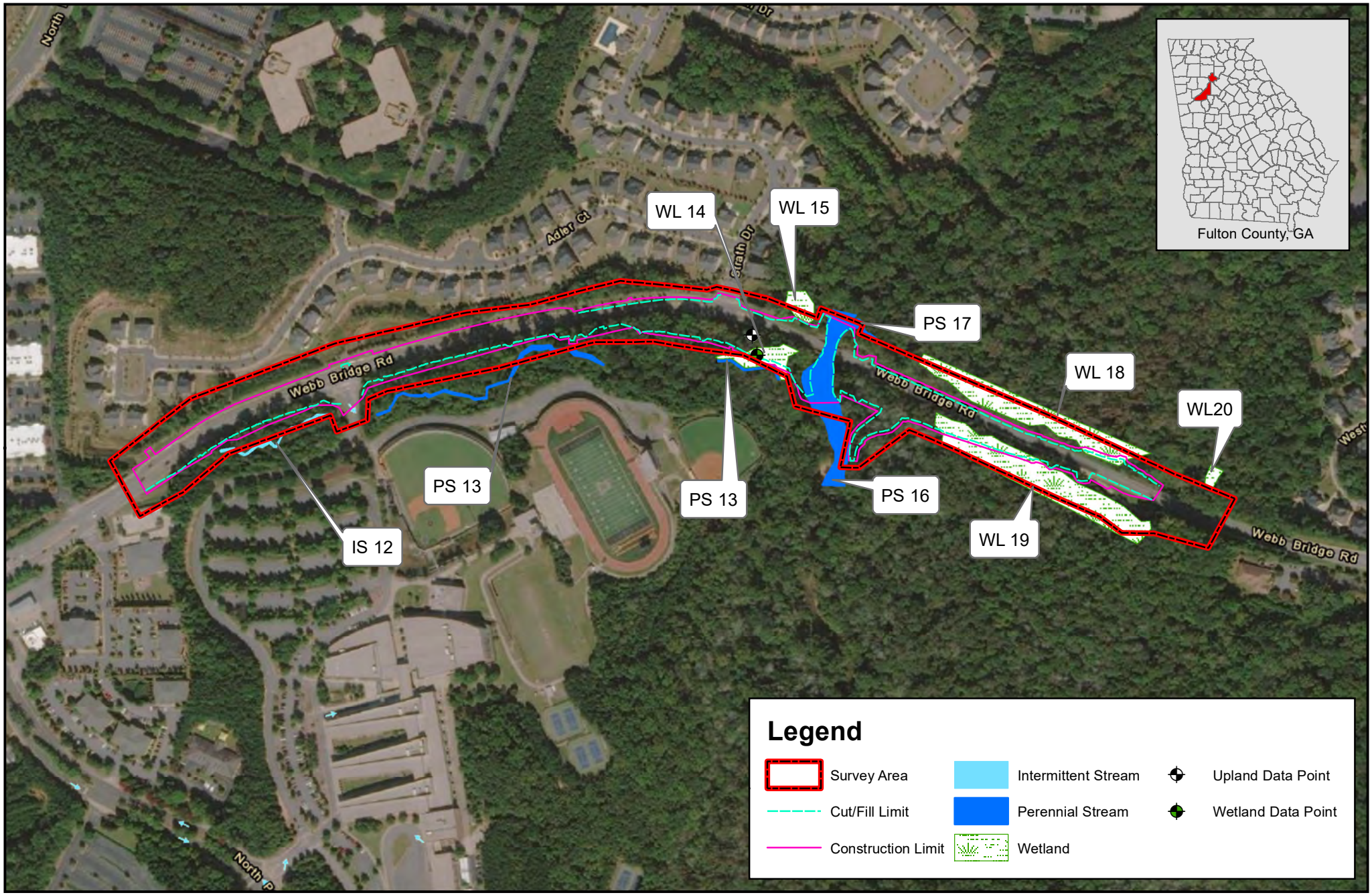
THE CITY OF ALPHARETTA GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

CITY OF ALPHARETTA
OFFICE: PUBLIC WORKS
SPECIAL CONSTRUCTION DETAIL
WEBB BRIDGE ROAD EAST OF NORTH POINT PARKWAY TO BIG CREEK GREENWAY

DRAWING No. 38-0002



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors

Figure 3 -
Water Resources Map - Aerial

POND

0 250 500 Feet

0 50 100 Meters

1 inch = 417 feet

Webb Bridge Road
Alpharetta, GA
May 2022

23-003 - Webb Br Rd Bridge Replacement and Roadway Improvements - North Point Parkway to Big Creek Greenway

Preliminary Bid Tabulation Scoring Summary

Bids remain to be verified as of 10-27-2022, 3:30 PM [posting of this bid tab]

Active Submissions

	Total	B-1 - SOI
Supplier	/ 100 pts	/ 100 pts
Georgia Bridge and Concrete	100	100 ($9,538,603.40)
CMES,INC	98.13	98.13 ($9,720,757.00)
C.W. Matthews Contracting Co., Inc.	96.17	96.17 ($9,918,923.76)
Astra Group, LLC	93.52	93.52 ($10,199,000.00)
Vertical Earth, Inc.	93.44	93.44 ($10,207,807.80)
E.R. Snell Contractor, Inc.	84.31	84.31 ($11,314,010.91)

Contract: Webb Bridge Road Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway
Contract No.: 23-003

EXHIBIT B

BID DOCUMENTS FROM CONTRACTOR

Georgia
Bridge & Concrete

Georgia Bridge and Concrete, LLC
P.O. Box 327
Tucker, Georgia 30085-0327

4635 North Royal Atlanta Drive
Tucker, GA 30084-3802

P: 770-934-1839
F: 770-939-7386
www.georgiabridge.net

October 27, 2022

City of Alpharetta
Finance Budget & Procurement Team
2 Park Plaza
Alpharetta, GA 30009

RE: ITB 23-003, Webb Bridge Road Bridge Replacement and Roadway Improvements Statement of Qualifications

Dear Sir or Madam:

Georgia Bridge and Concrete, LLC (GBC) and G.P.'s Enterprises, Inc. (GP's) are sister companies with common ownership offering full service contracting work for public and private owners in the heavy civil/highway construction field. Incorporated in 1988 GP's brings over 30 years of experience in roadbuilding and development to our clients. In 2016, Mr. George Flanigan (owner) established GBC after acquiring the assets and employees of the long-time bridge contracting company Sunbelt Structures, Inc. This acquisition expanded the capabilities Mr. Flanigan's enterprise within the market to better serve our clients. The two companies enjoy the employment of over 350 individuals who participate in the management and execution of our clients' projects.

GBC and GP's are full service contracting entities with experience in both traditional design-bid-build procurement methods and Design-Build contracting. We have an extensive network of subcontractors and consultants that we maintain relationships with to deliver projects on time and within budget. The scope of our major self-perform capabilities are listed below:

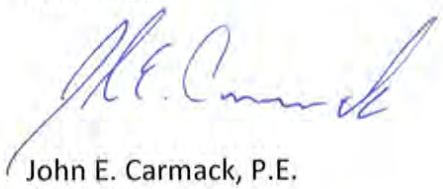
Georgia Bridge and Concrete	**G.P.'s Enterprises**
Bridge Construction	Mass Earthwork
Reinforced Concrete Box Culverts	Storm Drain Pipe & Structures
CIP Walls, MSE Walls, Specialty Walls	Clearing, Grubbing, Logging
Concrete Paving	Waterline Distribution Systems
Temporary/Permanent Shoring	Sanitary Sewer Systems

Attached to this cover letter is an excerpt from a recent GDOT Design-Build Statement of Qualifications we submitted which highlights seven projects recently completed by our organization. These projects further demonstrate our capabilities, and we hope this is sufficient evidence to qualify us for your bridge replacement project.

If you have any questions or require additional information, please do not hesitate to reach out to me. My contact information is included below.

Thank you for the opportunity to provide this SOQ and we look forward to working with you in the near future.

Sincerely,



John E. Carmack, P.E.
General Manager
jcarmack@georgiabridge.net

Georgia Bridge and Concrete, LLC
4635 North Royal Atlanta Drive
P.O. Box 327
Tucker, GA 30084

(770) 934-1839 office
(770) 713-1079 cell

LEAD CONTRACTOR EXPERIENCE & QUALIFICATIONS



PROJECT NAME, LOCATION & DATES

SR 316 Improvements at Collins Hill Road & SR 20 (Gwinnett County, GA): 11/2011 – 5/2016

BRIEF PROJECT DESCRIPTION

G.P.'s Enterprises and Georgia Bridge & Concrete provided services for 2.237 miles of construction that involved two interchanges, collector-distributor lanes, and a total of two bridges. Relevance: Multi-lane, limited-access divided highway with very high traffic counts, MOT concerns, an aggressive schedule, and intermediate delivery dates.

Value Add: Cost Savings – Proposed and received approval for a value engineering strategy that eliminated the construction of temporary ramps.

SCHEDULE COMPLIANCE

Contract Completion Date: 5/2016 | Actual Completion Date: 5/2016

SERVICES PERFORMED

Grading; Drainage; Paving; Earthwork; Storm/Sewer; Water; PCC Paving; MSE Walls; Bridge Construction; Concrete Structures & Erosion Control; Slip-Formed Barrier Walls

CURRENT PROJECT OWNER CONTACT INFORMATION

Marc Mastronardi: 404.631.1970 | mmastronardi@dot.ga.gov



PROJECT NAME, LOCATION & DATES

I-85 Corridor Design-Build Bridges (Franklin County and Jackson County, GA): 6/2017 – 3/2020

BRIEF PROJECT DESCRIPTION

This is an $11.3M GDOT project consists of five bridge replacements over the I-85 corridor. The D-B team is responsible for all design and construction, including as needed utility adjustments. G.P.'s Enterprises is the roadway contractor. Georgia Bridge & Concrete is responsible for all bridge structure construction activities. Michael Baker is the bridge design subconsultant. Relevance: Design-build project on same interstate using GDOT Design-Build policies and procedures.

SCHEDULE COMPLIANCE

Contract Completion Date: 3/2020 | Actual Completion Date: 3/2020

SERVICES PERFORMED

MOT; Project Management; Bridge Construction; Clearing Grading; Subgrading; Road Base; Storm Drainage

CURRENT PROJECT OWNER CONTACT INFORMATION

Richard O'Hara: 404.631.1169 | ro'hara@dot.ga.gov



PROJECT NAME, LOCATION & DATES

Walther Boulevard over SR 316 Design-Build (Gwinnett County, GA): 8/2014 – 10/2016

BRIEF PROJECT DESCRIPTION

G.P.'s Enterprises and Georgia Bridge & Concrete teamed with Michael Baker to construct a bridge over SR 316 at Walther Boulevard. Relevance: Design-build project that employed the current GDOT Design-Build Management Protocols and involved bridge construction over a high traffic density, multi-lane, limited-access divided highway.

Value Add: Cost Savings – The team saved GDOT funds and met overall project objectives by shortening the bridge design from that provided in the costing plans.

SCHEDULE COMPLIANCE

Contract Completion Date: 10/2016 | Actual Completion Date: 10/2016 – This project was completed on schedule; however, an intermediate milestone of opening the roadway was delayed due to the unforeseen addition of rock sockets to the bridge piles.

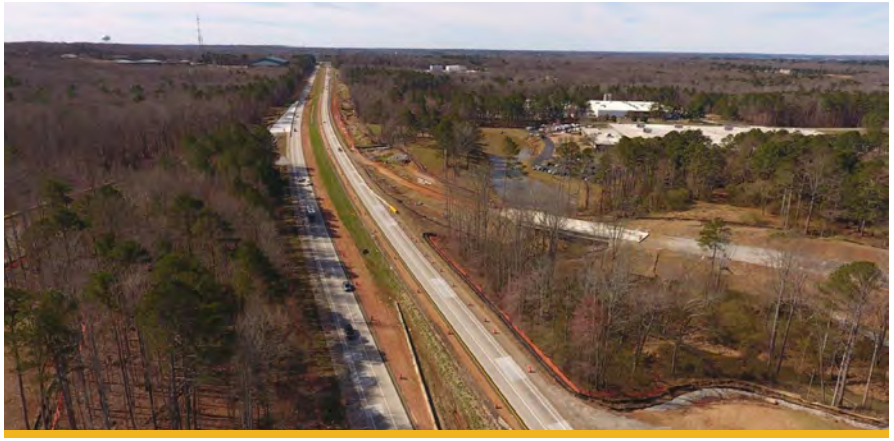
SERVICES PERFORMED

Multi-lane Bridge Design & Construction; Clearing; Grading; Drainage; Utilities; Pavement Base; Asphalt Construction; Bridge; Guardrail; Lighting; Striping; Erosion Control; Grassing

CURRENT PROJECT OWNER CONTACT INFORMATION

Shane Swan, PE: 404.783.7437 | sswan@hntb.com

LEAD CONTRACTOR EXPERIENCE & QUALIFICATIONS



PROJECT NAME, LOCATION & DATES

I-985 at Martin Road Interchange (Hall County, GA): 8/2017 – 1/2020

BRIEF PROJECT DESCRIPTION

G.P.'s Enterprises and Georgia Bridge & Concrete provided services for 1.174 miles of a diamond interchange on I-985/SR 13 north of the SR 13 crossover near Martin Road. This involved the construction of three bridges, along with approaches and installation of intersection detection systems. Relevance: Four lane, limited-access highway involving the construction of three bridges, ramps, work within the travel lanes of I-985, and a very aggressive completion schedule.

SCHEDULE COMPLIANCE

Contract Completion Date: 9/2019 | Actual Completion Date: 1/2020 (Projected) – The bridge opening was postponed due to concrete failure on the overpass bridge. G.P.'s Enterprises and Georgia Bridge & Concrete coordinated with GDOT and the supplier to dismantle the defective materials over a high traffic interstate highway while maintaining traffic in the travel lanes during this dangerous operation. The project ramps were delivered on time. The bridge is scheduled to open in January 2020.

SERVICES PERFORMED

Clearing Grading; Pavement Base; Storm Drainage; Culverts; Wick Drain System; Erosion Control; Signals; Bridge Construction; PC Pavements; MSE Walls; Striping; Hydro-Demolition

CURRENT PROJECT OWNER CONTACT INFORMATION

Doug Wood: 678.332.8245 | dwood@dot.ga.gov



PROJECT NAME, LOCATION & DATES

SR 96 Widening & Reconstruction (Houston County, GA): 11/2013 – 11/2017

BRIEF PROJECT DESCRIPTION

G.P.'s Enterprises and Georgia Bridge & Concrete widened and reconstructed 3.614 miles of SR 96 beginning east of Moody Road and extending east of Old Hawkinsville Road. G.P.'s Enterprises performed roadwork activities. Georgia Bridge & Concrete handled concrete pavement for the interchange ramps, as well as built two bridges and approaches over the Norfolk Southern Railroad and over SR 247/US 129. Relevance: Multi-lane widening that involved bridges, ramps, high traffic counts, and complex MOT.

SCHEDULE COMPLIANCE

Contract Completion Date: 11/2017 | Actual Completion Date: 11/2017

SERVICES PERFORMED

MOT; Clearing; Excavation; Installing Storm/Sewer; Water; Asphalt Paving; Curb & Gutter; Bridge Construction; PC Paving; Ramp Construction; Signalized Intersections

CURRENT PROJECT OWNER CONTACT INFORMATION

Greg Jones: 478.952.9058 | grjones@dot.ga.gov

LEAD CONTRACTOR EXPERIENCE & QUALIFICATIONS



PROJECT NAME, LOCATION & DATES

Northside Drive Pedestrian Bridge Design-Build (Atlanta, GA): 3/2017 – 12/2018

BRIEF PROJECT DESCRIPTION

This $24M project constructed a 1,200-foot-long pedestrian bridge/ramp over Northside Drive near the Mercedes Benz Stadium to improve connectivity between the Westside neighborhood, downtown Atlanta, and MARTA. Coordination with GDOT, MARTA, the City of Atlanta, the Georgia World Congress Center, and the Mercedes Benz Stadium contractor was required. This project was partially constructed over an existing MARTA tunnel, so no significant loading increases were permitted over the tunnel structure. Georgia Bridge & Concrete used lightweight Styrofoam panels as fill between the MSE walls over the tunnel to keep the increased load within the parameters established by MARTA. Relevance: Employed highly creative techniques for high traffic, congested construction with limited space and a restricted schedule.

Value Add: Accelerated Delivery & Cost Mitigation – The owner's original concept design utilized curved structural steel for the spans. The lead time on these girders would have pushed the project beyond an acceptable completion date. GBC designed the structure to utilize AASHTO beams and maintain the overall architectural elements of the design concept. This allowed the project to be completed within the time permitted and significantly reduced overall project cost.

SCHEDULE COMPLIANCE

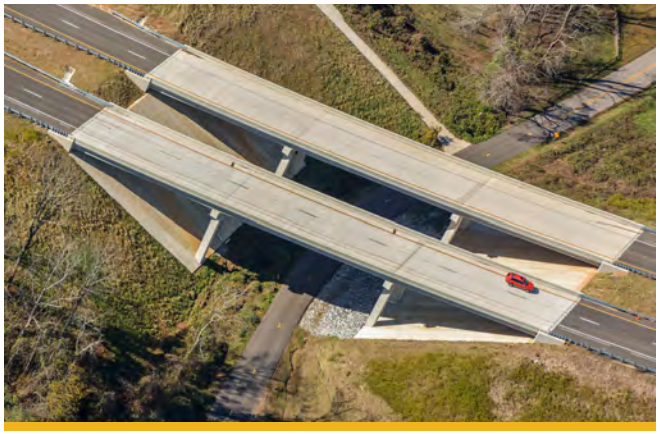
Contract Completion Date: 12/2018 | Actual Completion Date: 12/2018

SERVICES PERFORMED

Stakeholder Coordination; Design & Engineering; Material Testing & Inspections; Grading; Asphalt Pavements; Concrete Pavements; Stormwater/Sewer; Water; Bridge Construction; MSE Walls; Lighting;Traffic Control; Landscaping & Erosion Control

CURRENT PROJECT OWNER CONTACT INFORMATION

Michael Ayo: 404.330.6240 | mayo@atlanta.ga.gov



PROJECT NAME, LOCATION & DATES

Cleveland Bypass, Phase II (White County, GA): 10/2014 – 7/2017

BRIEF PROJECT DESCRIPTION

G.P.'s Enterprises and Georgia Bridge & Concrete provided services for 2.269 miles of construction on the West Cleveland Bypass, beginning north of SR 115 and extending east of SR 11. A total of six bridges and approaches were built at Jess Hunt Road (CR 115), Tesnatee River, and Tesnatee Creek. Relevance: Multi-lane divided highway with asphalt paving, multiple bridges, and a tight construction schedule.

Value Add: Accelerated Delivery – This project was completed nearly three months ahead of schedule.

SCHEDULE COMPLIANCE

Contract Completion Date: 9/2017 | Actual Completion Date: 7/2017

SERVICES PERFORMED

Grading; Drainage; Asphalt Pavements; Earthwork; Storm/Sewer; Water; Bridge Construction; MSE Walls; Concrete Structures & Erosion Control

CURRENT PROJECT OWNER CONTACT INFORMATION

Robbie Brittain: 706.348.4848 | rbrittain@dot.ga.gov

Georgia
Bridge & Concrete

Georgia Bridge and Concrete, LLC
P.O. Box 327
Tucker, Georgia 30085-0327

4635 North Royal Atlanta Drive
Tucker, GA 30084-3802

P: 770-934-1839
F: 770-939-7386
www.georgiabridge.net

October 27, 2022

City of Alpharetta
Finance Budget & Procurement Team
2 Park Plaza
Alpharetta, GA 30009

RE: ITB 23-003, Webb Bridge Road Bridge Replacement and Roadway Improvements
Business and Contact Information

Georgia Bridge and Concrete, LLC

Physical Address:
4635 North Royal Atlanta Drive
Tucker, GA 30084

Mailing Address:
P.O. Box 327
Tucker, GA 30085

(770) 934-1839 office
(770) 939-7386 fax

John E. Carmack, P.E.
General Manager
jcarmack@georgiabridge.net
(770) 713-1079 cell

Georgia
Bridge & Concrete

Georgia Bridge and Concrete, LLC
P.O. Box 327
Tucker, Georgia 30085-0327

4635 North Royal Atlanta Drive
Tucker, GA 30084-3802

P: 770-934-1839
F: 770-939-7386
www.georgiabridge.net

October 27, 2022

City of Alpharetta
Finance Budget & Procurement Team
2 Park Plaza
Alpharetta, GA 30009

RE: ITB 23-003, Webb Bridge Road Bridge Replacement and Roadway Improvements

References

- Cherokee County Roadway / SPLOST Program
  Lori M. Jones, SPLOST Construction Inspection Manager
  1130 Bluffs Parkway
  Canton, GA 30114
  lmjones@cherokeega.com
  (678) 493-6081
- Georgia Department of Transportation
  Mr. Kelvin Mullins, District Engineer
  1475 Jesse Jewell Parkway Suite 100,
  Gainesville, GA 30501
  kmullins@dot.ga.gov
  (770) 532-5500
- Forsyth County Traffic and Transportation Engineering Division
  Mr. John Jefferson, Director - Capital Projects
  110 E. Main Street, Suite 210
  Cumming, GA 30040
  (770) 781-2165

Active Projects:

- Union Hill Road over Canton Creek Bridge Replacement, Cherokee County Project 61008
- SR 15 / SR 10 Loop at US 29 / SR 8 Interchange Reconstruction, GDOT Project 0013716, Clarke Co.
- SR 23 over Brier Creek & Brier Creek Overflow, GDOT Project 0013820 / 0014900, Burke Co.

Georgia Department of Transportation

Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308
(404) 631-1000 Main Office

December 22, 2020

SPECIAL CERTIFICATE OF QUALIFICATION
Vendor ID # 14054

Georgia Bridge and Concrete, LLC
P. O. Box 327
Tucker, GA 30085

In accordance with The Rules and Regulations Governing the Prequalification of Prospective Bidders, you are hereby notified that the Georgia Department of Transportation has assigned the following Rating. This Certificate is effective on the date issued and cancels and supersedes any Certificate(s) previously issued: ***"Special provisions of this certificate provides that there will be "No competing bids with G. P.'s Enterprises, Inc. due to common ownership."***

MAXIMUM CAPACITY RATING:	**$117,400,000**
CERTIFICATE EXPIRES:	**October 31, 2022**
PRIMARY WORK CLASS/CODE:	**500**
SECONDARY WORK CLASS(ES)/CODE(S):	**150, 205, 439, 452, 500A, 520, 525, 626**

The total amount of incomplete work, regardless of its location and with whom it is contracted, whether in progress or awarded but not yet begun, shall not exceed the Maximum Capacity Rating. If dissatisfied with the Rating, we direct you to the Appeals Procedures in §672-5-.08 (1) & (2) and §672-1-.05, Rules of the State Department of Transportation.

In order to be continuously eligible to bid with this Department, your next application for prequalification must be submitted before the expiration date. If you desire to submit an application some intermediate period before the expiration date, your Rating will be reviewed on the basis of the new application.

This Prequalification Certificate is issued for contractors to be eligible for work with the Georgia Department of Transportation (GDOT) only. GDOT does not certify contractors as eligible to do business with entities other than GDOT.

Sincerely,

Marc Mastronardi, P.E.

Digitally signed by Marc Mastronardi, P.E.
DN: C=US, E=mmastronardi@dot.ga.gov, O=Georgia Department of Transportation, OU=Division of Construction - Director, CN="Marc Mastronardi, P.E."
Date: 2021.01.07 13:41:49-05'00'

Marc Mastronardi, P.E.
Chairman, Prequalification Committee/Contractors

MM:ASB

John Carmack

om: Dunwoody, William <wdunwoody@dot.ga.gov>
Sent: Tuesday, October 4, 2022 10:07 AM
To: Minton O'Neal2
Cc: Scott, Jeremy; Ashmead, Tanya K; April Sass; John Carmack; Michael Rice
Subject: RE: Request for Pre-qualification Extension---G.P.'s Enterprises, Inc and Georgia Bridge and Concrete, LLC

Hello,

Your request for a 90 day extension is approved for both G.P.'s Enterprises, Inc. and Georgia Bridge and Concrete, LLC with a new expiration date of **January 31, 2023.** Please allow this email to serve as supporting documentation for the extension.

Thanks,

William Dunwoody Jr.
State Transportation Office Administrator

GDOT Georgia Department of Transportation

)nstruction Bidding Administration
One Georgia Center, 11th Floor
600 West Peachtree Street, NW
Atlanta, GA 30308
404.631.1607 office
404.631.1070 fax
404.326.5331 cell
wdunwoody@dot.ga.gov

From: moneal <moneal@gpsent.com>
Sent: Monday, October 3, 2022 9:38 AM
To: Dunwoody, William <wdunwoody@dot.ga.gov>
Cc: April Sass <april@gpsent.com>; John Carmack <jcarmack@georgiabridge.net>; Michael Rice <mrice@georgiabridge.net>
Subject: Request for Pre-qualification Extension---G.P.'s Enterprises, Inc and Georgia Bridge and Concrete, LLC

Hello Mr. Dunwoody,

Please find our requests for pre-qualification extensions for G.P.'s Enterprises, Inc., (2GP050) and Georgia Bridge and Concrete, LLC (14054) attached to this email.

Best regards,

Minton L. O'Neal

SCHEDULE OF ITEMS

Webb Bridge Rd Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway

ITB # 23-003

ADDENDUM #2: Supercedes any previous SOI. All Bidders must respond using this SOI. Posted 10-21-22.

Enter Bidder's Name: **Georgia Bridge and Concrete, LLC**

Pay Item #	Item Description	Unit Price	Unit	Quantity	Total
150-1000	TRAFFIC CONTROL	$ 520,000.00	LS	1.00	$ 520,000.00
632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	$ 20,000.00	EA	4.00	$ 80,000.00
163-9999	PINE STRAW (3 IN THICK)	$ 24.00	SY	330.00	$ 7,920.00
208-0200	ROCK EMBANKMENT	$ 68.00	CY	3034.00	$ 206,312.00
210-0100	GRADING COMPLETE	$ 1,598,500.00	LS	1.00	$ 1,598,500.00
310-1101	GR AGGR BASE CRS, INCL MATL	$ 44.00	TN	2875.00	$ 126,500.00
318-3000	AGG SURF CRS	$ 70.00	TN	40.00	$ 2,800.00
402-1801	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL	$ 510.00	TN	13.00	$ 6,630.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	$ 302.00	TN	102.00	$ 30,804.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	$ 201.00	TN	672.00	$ 135,072.00
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2,INCL BITUM MATL & H LIME	$ 233.00	TN	384.00	$ 89,472.00
402-4510	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLY-MOD BITUM MATL & H LIME	$ 230.00	TN	1220.00	$ 280,600.00
413-0750	TACK COAT	$ 10.00	GL	1459.00	$ 14,590.00
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	$ 10.00	SY	11234.00	$ 112,340.00
433-1100	REINF CONC APPROACH SLAB, INCL CURB	$ 355.00	SY	323.00	$ 114,665.00
441-0016	DRIVEWAY CONCRETE, 6 IN TK	$ 82.00	SY	367.00	$ 30,094.00
441-0104	CONC SIDEWALK, 4 IN	$ 56.00	SY	4813.00	$ 269,528.00
441-0106	CONC SIDEWALK, 6 IN	$ 80.00	SY	334.00	$ 26,720.00
441-0108	CONC SIDEWALK, 8 IN	$ 102.00	SY	87.00	$ 8,874.00
441-0754	CONCRETE MEDIAN, 7.5 IN	$ 120.00	SY	153.00	$ 18,360.00
441-4020	CONC VALLEY GUTTER, 6 IN	$ 105.00	SY	29.00	$ 3,045.00
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	$ 26.00	LF	1166.00	$ 30,316.00
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	$ 28.00	LF	2194.00	$ 61,432.00
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	$ 12.00	LF	734.00	$ 8,808.00
500-3201	CLASS B CONCRETE, RETAINING WALL	$ 1,450.00	CY	33.00	$ 47,850.00
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	$ 620.00	CY	29.00	$ 17,980.00
515-2015	HANDRAIL - ALPHARETTA STANDARD	$ 196.00	LF	1508.00	$ 295,568.00
611-4996	RESET GATE	$ 2,500.00	EA	1.00	$ 2,500.00
634-1200	RIGHT OF WAY MARKERS	$ 400.00	EA	17.00	$ 6,800.00
641-1100	GUARDRAIL, TP T	$ 96.00	LF	304.00	$ 29,184.00
641-1200	GUARDRAIL, TP W	$ 60.00	LF	387.00	$ 23,220.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	$ 2,750.00	EA	3.00	$ 8,250.00
641-5015	GUARDRAIL ANCHORAGE, TP 12A, 31 IN, TANGENT, ENERGY-ABSORBING	$ 4,850.00	EA	2.00	$ 9,700.00
754-4000	WASTE RECEPTACLE	$ 14,000.00	EA	1.00	$ 14,000.00
900-0526	BOLLARDS	$ 10,000.00	EA	1.00	$ 10,000.00
999-0001	WOOD TOE BANK STABILIZATION	$ 205,000.00	LS	1.00	$ 205,000.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	$ 85.00	LF	956.00	$ 81,260.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	$ 110.00	LF	170.00	$ 18,700.00
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	$ 1,500.00	EA	9.00	$ 13,500.00
550-4224	FLARED END SECTION 24 IN, STORM DRAIN	$ 1,800.00	EA	3.00	$ 5,400.00
603-2036	STN DUMPED RIP RAP, TP 1, 36 IN	$ 195.00	SY	23.00	$ 4,485.00
603-2181	STN DUMPED RIP RAP, TP 3, 18 IN	$ 86.00	SY	74.00	$ 6,364.00
603-7000	PLASTIC FILTER FABRIC	$ 15.00	SY	97.00	$ 1,455.00
611-3000	RECONSTR CATCH BASIN, GP 1	$ 5,100.00	EA	5.00	$ 25,500.00
668-1100	CATCH BASIN, GP 1	$ 5,500.00	EA	21.00	$ 115,500.00
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	$ 500.00	LF	26.00	$ 13,000.00
668-2100	DROP INLET, GP 1	$ 5,000.00	EA	1.00	$ 5,000.00
668-2110	DROP INLET, GP 1, ADDL DEPTH	$ 500.00	LF	1.00	$ 500.00
668-4300	STORM SEWER MANHOLE. TP 1	$ 4,500.00	EA	3.00	$ 13,500.00
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	$ 500.00	LF	1.00	$ 500.00
668-4312	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 2	$ 500.00	LF	12.00	$ 6,000.00
610-9001	REMOVE SIGN	$ 200.00	EA	8.00	$ 1,600.00
611-5551	RESET SIGN	$ 350.00	EA	8.00	$ 2,800.00
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	$ 32.00	SF	57.75	$ 1,848.00
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	$ 35.00	SF	27.00	$ 945.00
636-2090	GALV STEEL POSTS, TP 9	$ 18.00	LF	192.00	$ 3,456.00
636-4104	PLASTIC FLEXBILE DELINEATOR, TP 2B	$ 135.00	EA	17.00	$ 2,295.00
647-5230	SIGN ASSEMBLY, FLASHING SCHOOL, COMPLETE	$ 22,500.00	EA	2.00	$ 45,000.00
652-0094	PAVEMENT MARKING, BIKE SHARED LANE SYMBOL	$ 300.00	EA	4.00	$ 1,200.00
652-5900	SOLID TRAFFIC STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$ 2,500.00	LM	0.97	$ 2,425.00

652-6900	SKIP TRAFFIC STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$	2,200.00	GLM	0.07	$ 154.00
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	$	180.00	EA	15.00	$ 2,700.00
653-0210	THERMOPLASTIC PVMT MARKING, WORD, TP 1	$	300.00	EA	3.00	$ 900.00
653-0230	THERMOPLASTIC PVMT MARKING, WORD, TP 3A	$	600.00	EA	2.00	$ 1,200.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	$	1.35	LF	3306.00	$ 4,463.10
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	$	1.35	LF	9986.00	$ 13,481.10
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	$	15.00	LF	71.00	$ 1,065.00
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	$	4.00	LF	902.00	$ 3,608.00
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	$	3.00	GLF	575.00	$ 1,725.00
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	$	12.00	SY	129.00	$ 1,548.00
654-1001	RAISED PAVEMENT MARKERS TP 1	$	10.00	EA	183.00	$ 1,830.00
654-1003	RAISED PAVEMENT MARKERS TP 3	$	10.00	EA	33.00	$ 330.00
654-1010	RAISED PAVEMENT MARKERS TP 10	$	100.00	EA	18.00	$ 1,800.00
657-1085	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	$	12.00	LF	520.00	$ 6,240.00
657-3086	PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	$	10.00	GLF	224.00	$ 2,240.00
657-6086	PREFORMED PLASTIC DOUBLE SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	$	12.00	LF	520.00	$ 6,240.00
163-0232	TEMPORARY GRASSING	$	2,500.00	AC	0.57	$ 1,425.00
163-0240	MULCH	$	560.00	TN	11.42	$ 6,395.20
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXIT	$	4,200.00	EA	4.00	$ 16,800.00
163-0527	CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAND BAGS	$	800.00	EA	5.00	$ 4,000.00
163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAMS	$	2,200.00	EA	3.00	$ 6,600.00
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	$	430.00	EA	17.00	$ 7,310.00
163-1930	CONSTRUCT AND REMOVE COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	12.00	LF	430.00	$ 5,160.00
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C (Sd1-S)	$	1.30	LF	13576.00	$ 17,648.80
165-0041	MAINTENANCE OF CHECK DAMS - ALL TYPES	$	10.00	LF	220.00	$ 2,200.00
165-0050	MAINTENANCE OF FLOATING TURBIDITY BARRIER	$	10.00	LF	180.00	$ 1,800.00
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	$	3,200.00	EA	4.00	$ 12,800.00
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	$	220.00	EA	17.00	$ 3,740.00
165-0110	MAINTENANCE OF ROCK FILTER DAM	$	750.00	EA	3.00	$ 2,250.00
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA (PER EACH)	$	1,500.00	EA	4.00	$ 6,000.00
165-1500	MAINTENANCE OF COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	8.00	LF	430.00	$ 3,440.00
167-1000	WATER QUALITY MONITORING AND SAMPLING	$	850.00	EA	9.00	$ 7,650.00
167-1500	WATER QUALITY INSPECTIONS	$	2,000.00	MO	30.00	$ 60,000.00
170-1000	FLOATING TURBIDITY BARRIER	$	22.00	LF	180.00	$ 3,960.00
171-0030	TEMPORARY SILT FENCE, TYPE C (Sd1-S)	$	5.60	LF	13576.00	$ 76,025.60
643-8200	BARRIER FENCE (ORANGE), 4 FT (CoA Std L-6, Type B)	$	4.00	LF	6010.00	$ 24,040.00
700-6910	PERMANENT GRASSING	$	4,000.00	AC	1.14	$ 4,560.00
700-7000	AGRICULTURAL LIME	$	650.00	TN	2.28	$ 1,482.00
700-8000	FERTILIZER MIXED GRADE	$	2,000.00	TN	0.34	$ 680.00
700-9300	SOD - TIFTUF	$	15.00	SY	790.00	$ 11,850.00
716-2000	EROSION CONTROL MATS (JUTE BASED), SLOPES	$	1.80	SY	3400.00	$ 6,120.00
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	$	120.00	SF	18.00	$ 2,160.00
639-3004	STEEL STRAIN POLE, TP IV (W/ 10' UPRIGHT EXTENSION AND W/40 FT MAST ARM); (POWDER-COAT BLACK FINISH)	$	27,000.00	EA	1.00	$ 27,000.00
639-3004	STEEL STRAIN POLE, TP IV (W/ 40 FT MAST ARM); (POWDER-COAT BLACK FINISH)	$	27,000.00	EA	1.00	$ 27,000.00
639-3004	STEEL STRAIN POLE, TP IV (W/ 45 FT MAST ARM); (POWDER-COAT BLACK FINISH)	$	27,000.00	EA	1.00	$ 27,000.00
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1 - WEBB BRIDGE RD AT ALPHARETTA HS	$	52,000.00	LS	1.00	$ 52,000.00
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	$	12.00	LF	1670.00	$ 20,040.00
682-9950	DIRECTIONAL BORE - 7 IN	$	80.00	LF	240.00	$ 19,200.00
937-4000	INDUCTANCE LOOP DETECTION SYSTEM NO. 1	$	8,000.00	LS	1.00	$ 8,000.00
937-4100	PEDESTRIAN DETECTION SYSTEM NO. 1	$	6,000.00	LS	1.00	$ 6,000.00
682-2150	PULL BOX, PB-5	$	2,600.00	EA	8.00	$ 20,800.00
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	$	9.00	LF	5300.00	$ 47,700.00
682-6520	CONDUIT, FIBERGLASS, 2 IN	$	50.00	LF	410.00	$ 20,500.00
682-9950	DIRECTIONAL BORE - 5 IN	$	58.00	LF	300.00	$ 17,400.00
935-1113	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER	$	2.00	LF	3925.00	$ 7,850.00
935-4010	FIBER OPTIC SPLICE, FUSION	$	80.00	EA	48.00	$ 3,840.00
935-4103	FIBER OPTIC CLOSURE, UNDERGROUND, 24 SPLICE	$	1,500.00	EA	1.00	$ 1,500.00
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	$	40.00	LF	80.00	$ 3,200.00
682-6223	CONDUIT, NONMETL, TP 2, 3 IN	$	45.00	LF	80.00	$ 3,600.00
682-2150	PULL BOX, PB-5	$	1,250.00	EA	2.00	$ 2,500.00
702-9025	LANDSCAPE MULCH - 1" DEPTH	$	230.00	CY	10.00	$ 2,300.00
713-0300	COCONUT FIBER BLANKET, WATERWAYS	$	5.00	SY	548.00	$ 2,740.00
713-0400	COCONUT FIBER BLANKET, SLOPES	$	3.50	SY	1900.00	$ 6,650.00
766-7020	IRRIGATION SYSTEM	$	10,000.00	LS	1.00	$ 10,000.00
680-4100	LIGHTING STD, 0-10 FT MH, POST TOP	$	2,500.00	EA	6.00	$ 15,000.00
680-4110	LIGHTING STD, 11-15 FT MH, POST TOP	$	3,700.00	EA	76.00	$ 281,200.00

680-6130	LUMINAIRE, TP 3, LED	$ 2,350.00	EA	82.00	$ 192,700.00
682-1504	Cable, TP RHH/RHW, AWG NO 10	$ 1.50	LF	19500.00	$ 29,250.00
682-2110	ELECTRICAL SERVICE POINT	$ 12,000.00	EA	3.00	$ 36,000.00
682-6221	CONDUIT, NONMETAL, TP 2, 2 1/2 IN	$ 10.00	LF	6500.00	$ 65,000.00
682-9950	DIRECTIONAL BORE PIPE - 3 IN	$ 35.00	LF	1865.00	$ 65,275.00
500-0100	GROOVED CONCRETE	$ 35.00	SY	489.00	$ 17,115.00
500-1011	SUPERSTR CONCRETE, CL D	$ 760,000.00	LS	1.00	$ 760,000.00
500-3101	CLASS A CONCRETE	$ 990.00	CY	126.00	$ 124,740.00
507-8900	PSC BEAMS, AASHTO, TYPE 1 MODIFIED, BR NO-1	$ 224.00	LF	1943.00	$ 435,232.00
511-1000	BAR REINF STEEL	$ 1.82	LB	13980.00	$ 25,443.60
511-3000	SUPERSTR REINF STEEL	$ 135,000.00	LS	1.00	$ 135,000.00
515-2020	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	$ 55.00	LF	388.00	$ 21,340.00
520-0353	H-PILE POINTS, HP 12 X 53	$ 205.00	EA	18.00	$ 3,690.00
520-0589	H-PILE POINTS, HP 14 X 89	$ 250.00	EA	7.00	$ 1,750.00
520-1125	PILING IN PLACE, STEEL H, HP 12 X 53	$ 84.00	LF	690.00	$ 57,960.00
520-1151	PILING IN PLACE, STEEL H, HP 14 X 89	$ 120.00	LF	1000.00	$ 120,000.00
520-4125	LOAD TEST, STEEL H, HP 12 X 53 (IF REQD)	$ 1.00	EA	1.00	$ 1.00
520-4151	LOAD TEST, STEEL H, HP 14 X 89 (IF REQD)	$ 1.00	EA	1.00	$ 1.00
520-5000	PILOT HOLES	$ 585.00	LF	525.00	$ 307,125.00
523-1100	DYNAMIC PILE TEST	$ 6,500.00	EA	2.00	$ 13,000.00
540-1102	REMOVAL OF EXISTING BRIDGE - BR NO 1 (This will be for removal and disposal of Vehicular Bridge.)	$ 210,000.00	LS	1.00	$ 210,000.00
540-1102	REMOVAL OF EXISTING BRIDGE - BR NO 2 (This will be for removal and disposal of Pedestrian Bridge.)	$ 1,000.00	LS	1.00	$ 1,000.00
547-2014	PILE ENCASEMENT, 14 IN PILE	$ 490.00	LF	242.00	$ 118,580.00
603-2024	STN DUMPED RIP RAP, TP 3, 24 IN.	$ 72.00	SY	908.00	$ 65,376.00
603-7000	PLASTIC FILTER FABRIC	$ 8.00	SY	908.00	$ 7,264.00
607-3000	STONE FACING	$ 56.00	SF	1563.00	$ 87,528.00
999-9999	MISCELLANEOUS CONSTRUCTION	$ 500,000.00	LS	1.00	$ 500,000.00
				SUB-TOTAL A	$ 9,204,678.40

171-0030	TEMPORARY SILT FENCE, TYPE C (Sd1-S)	$ 6.00	LF	1400.00	$ 8,400.00
500-3101	CLASS A CONCRETE	$ 2,500.00	CY	10.00	$ 25,000.00
600-0001	FLOWABLE FILL	$ 1,060.00	CY	5.00	$ 5,300.00
611-8050	ADJUST MANHOLE TO GRADE	$ 4,000.00	EA	1.00	$ 4,000.00
611-8120	ADJUST WATER METER BOX TO GRADE	$ 2,500.00	EA	1.00	$ 2,500.00
611-8140	ADJUST WATER VALVE BOX TO GRADE	$ 2,500.00	EA	5.00	$ 12,500.00
670-1060	WATER MAIN, 6 IN	$ 180.00	LF	20.00	$ 3,600.00
670-1080	WATER MAIN, 8 IN	$ 105.00	LF	1405.00	$ 147,525.00
670-1600	CUT & PLUG EXISTING WATER MAIN	$ 5,000.00	EA	2.00	$ 10,000.00
670-2080	GATE VALVE, 8 IN	$ 6,000.00	EA	3.00	$ 18,000.00
670-2500	INSERTION VALVE - 8 IN	$ 18,000.00	EA	2.00	$ 36,000.00
670-4000	FIRE HYDRANT	$ 8,500.00	EA	3.00	$ 25,500.00
670-9720	RELOCATE EXIST WATER VALVE, INCL BOX	$ 4,000.00	EA	2.00	$ 8,000.00
670-9737	REMOVE AND REPLACE EXT. WATER VAULT INCL METER AND VAULT, 4 INCH AND LARGER	$ 18,000.00	EA	1.00	$ 18,000.00
670-9920	REMOVE EXISTING FIRE HYDRANT	$ 3,200.00	EA	3.00	$ 9,600.00
				SUB-TOTAL B	$ 333,925.00

GRAND TOTAL $ 9,538,603.40

540-1102	REMOVAL OF EXISTING BRIDGE - BR NO 2-ALT (This will be for removal and salvage of Pedestrian Bridge)	$ 20,000.00	LS	1.00	$ 20,000.00

GRAND TOTAL WITH BRIDGE NO 2-ALT $ 9,557,603.40

BID BOND

(Five Percent (5%) of Bid)

Bid Bond # n/a

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigne

Georgia Bridge and Concrete, LLC, as **CONTRACTOR**, and

Arch Insurance Company, as **SURETY**, a corporation duly organized under the laws of the State of Missouri, are hereby held and firmly bound unto

CITY OF ALPHARETTA, GEORGIA
2 PARK PLAZA
ALPHARETTA, GA 30009 as **CITY** and hereafter called **OBLIGEE**, in the penal sum of

----------Five percent of total bid amount---------- Dollars ($ 5%), or --------- Percent (--------%) of the bid amount, whichever is less, for the payment of which sum well and truly to be made, the said **CONTRACTOR** and the said **SURETY**, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this 27th day of October, 20 22 .

The condition of the above obligation is such that whereas the **CONTRACTOR** has submitted to the **OBLIGEE** a certain bid attached hereto and hereby made a part hereof to enter into a contract in writing for the construction of

> **WEBB BRIDGE RD BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS - NORTH POINT TO BIG CREEK GREENWAY** project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, replacement of the bridge crossing Big Creek, installation of pedestrian lighting, installation of landscaping, and related work. The location of work is along Webb Bridge Road between North Point Parkway and Big Creek Greenway --- within the City of Alpharetta, Georgia, more particularly described in the **CONTRACT** (hereafter called the **PROJECT**).

NOW, THEREFORE, if the **OBLIGEE** shall accept the bid of the **CONTRACTOR** and the **CONTRACTOR** shall enter into a Contract with the **OBLIGEE** in accordance with the terms of such bid and give such bonds or bond as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the **CONTRACTOR** to enter such Contract and give such bond or bonds, if the **CONTRACTOR** shall pay to the **OBLIGEE** the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the **OBLIGEE** may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

BID BOND

The **SURETY**, for value received, hereby stipulates and agrees that the obligations of said **SURETY** and its bond shall be in no way impaired or affected by any extension of the time within which the **OBLIGEE** may accept such bids, and said **SURETY** does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the **CONTRACTOR** and the **SURETY** corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Georgia Bridge and Concrete, LLC
CONTRACTOR

By: John E. Carmack, General Manager

GEORGIA BRIDGE AND CONCRETE, LLC LIMITED LIABILITY COMPANY SEAL GEORGIA 2015 (SEAL)

Arch Insurance Company
SURETY (SEAL)

By: Michael J. Brown
Michael J. Brown, Attorney-in-Fact
Georgia Representative

Surety Contact Information:

Address: 2500 Cumberland Pkwy., Suite 400, Atlanta, GA 30339

Phone: (678)424-6500

Fax: (678)424-6527

Email: mbrown@sspins.com

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Note, Loan, Letter of Credit, Currency Rate, Interest Rate or Residential Value Guarantees.

POWER OF ATTORNEY

Know All Persons By These Presents:
That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

Brian M. Perry, Douglas L. Rieder, John W. Miller II, Margaret S. Meyers, Michael Brown and W. Wesley Hamilton of Atlanta, GA (EACH)

its true and lawful Attorney(s)in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed: Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding Ninety Million Dollars (90,000,000.00).
This authority does not permit the same obligation to be split into two or more bonds In order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on December 11, 2020, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, and attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on December 11, 2020:

VOTED, That the signature of the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on December 11, 2020, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company. **In Testimony Whereof**, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this **11th day of February, 2022**

Attested and Certified

Regan A. Shulman, Secretary

Arch Insurance Company — CORPORATE SEAL 1971 — Missouri

Arch Insurance Company

Stephen C. Ruschak, Executive Vice President

STATE OF PENNSYLVANIA SS
COUNTY OF PHILADELPHIA SS

I, **Michele Tripodi**, a Notary Public, do hereby certify that Regan A. Shulman and Stephen C. Ruschak personally known to me to be the same persons whose names are respectively as Secretary and Executive Vice President of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.

Commonwealth of Pennsylvania - Notary Seal
MICHELE TRIPODI, Notary Public
Philadelphia County
My Commission Expires July 31, 2025
Commission Number 1168622

Michele Tripodi, Notary Public
My commission expires 07/31/2025

CERTIFICATION

I, **Regan A. Shulman** , Secretary of the Arch Insurance Company, do hereby certify that the attached **Power of Attorney dated February 11, 2022** on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said Stephen C. Ruschak, who executed the Power of Attorney as Executive Vice President, was on the date of execution of the attached Power of Attorney the duly elected Executive Vice President of the Arch Insurance Company.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the Arch Insurance Company on this ___**day of**_____, **20**_____.

Regan A. Shulman, Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein and they have no authority to bind the Company except in the manner and to the extent herein stated.

PLEASE SEND ALL CLAIM INQUIRIES RELATING TO THIS BOND TO THE FOLLOWING ADDRESS:
Arch Insurance – Surety Division
3 Parkway, Suite 1500
Philadelphia, PA 19102

Arch Insurance Company — CORPORATE SEAL 1971 — Missouri

To verify the authenticity of this Power of Attorney, please contact Arch Insurance Company at SuretyAuthentic@archinsurance.com
Please refer to the above named Attorney-in-Fact and the details of the bond to which the power is attached.

BIDDER'S DISCLOSURES AND CERTIFICATIONS

PROCUREMENT NUMBER & TITLE: 23-003, Webb Br Rd Bridge Replacement & Roadway Improvements - N. Point Parkway to Big Creek Greenway

DISCLOSURE FORM AND CERTIFICATION OF NON-COLLUSION			
Bidder must disclose any possible conflict of interest and/or any relationship that exists between any principal or employee of your corporation/firm/team/organization and with any City elected official and/or employee. Relationship may be financial, personal, or family or may be in the form of campaign contributions to elected officials. State whether Relationship DOES or DOES NOT exist. Failure to disclose or to submit this completed form may result in response being declared non-responsive and will not be considered further.			
Check applicable box. Use additional forms if needed:	No known relationship exists ☒	Yes, Relationship does exist ☐	If this box checked, include the name and position of the City Official to whom a campaign contribution was made or official/employee relationship. Use a separate form for each official to whom a contribution has been made within the past two (2) years or for additional official/employee relationships.
City Elected Official and/or Employee Name and position			

Contribution Amount/Value (if any)		Contribution Date and Description	
List other Relationship if not contribution			

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS

The Contractor certifies to the best of its knowledge and belief that neither it nor any of its principals:

1. are presently debarred, suspended, proposed for debarment, or declared ineligible from submitting bids or proposals by any federal, state or local entity, department or agency;
2. have within a three-year period preceding this bid/offer, been convicted or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performance of a public (Federal, state or local) contract or subcontract; violation of Federal or state antitrust statues relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statement, tax evasion, or receiving stolen property;
3. are presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph 2 of this certification;
4. have within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal, state or local public agency.

By signing this form, I certify that:

- As an officer of this firm, or per the attached letter of authorization, I am duly authorized to certify the information provided herein is accurate and true; and my firm shall comply with all State and Federal Equal Opportunity and Non-Discrimination requirements and conditions of employment.
- That the firm's response is made without prior understanding, agreement, or connection with any corporation, firm, team, organization, or person submitting a response for the same materials, supplies, equipment, opportunity, or services and is in all respects fair and without collusion or fraud. My firm understands and agrees that bid/proposal collusion is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards;
- Employees of this company or employees of any company supplying material or subcontracting to do work on this Contract will not engage in business ventures with employees of the CITY or Consulting Engineers nor shall they provide gifts, gratuities, favors, entertainment, loans or other items of value to employees of this Department, and
- That the provisions of the Official Code of Georgia Annotated, Sections 45-10-20 et seq. have not been violated and will not be violated in any respect. O.C.G.A. 45-10-20 through 45-10-28 provide that it is unlawful for a City elected official or employee to transact business with the City by which that person is employed for himself, on behalf of a business in which the employee or his/her spouse or dependents has a substantial interest, or on behalf of anyone as agent, broker, dealer, or representative.

Georgia Bridge and Concrete, LLC
Company Name

Signature of Authorized Officer or Agent

10/27/2022
Date

John E. Carmack, General Manager
Printed Name & Title of Authorized Officer or Agent

P.O. Box 327, Tucker, GA 30085
Company Address

Subscribed and sworn before me on this the 27 day of October, 2022

Laura Presnell
Notary Public

7/27/2025
My Commission Expires

LAURA PRESNELL NOTARY PUBLIC PAULDING COUNTY GEORGIA COMMISSION EXPIRES JULY 27, 2025

AFFIDAVIT VERIFYING CONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM (E-Verify)

The undersigned contractor ("Contractor") executes this Affidavit to comply with O.C.G.A § 13-10-91 related to any contract to which Contractor is a party that is subject to O.C.G.A. § 13-10-91 and hereby verifies its compliance with O.C.G.A. § 13-10-91, attesting as follows:

a) The Contractor has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program;

b) The Contractor will continue to use the federal work authorization program throughout the contract period, including any renewal or extension thereof;

c) The Contractor will notify the City of Alpharetta in the event the Contractor ceases to utilize the federal work authorization program during the contract period, including renewals or extensions thereof;

d) The Contractor understands that ceasing to utilize the federal work authorization program constitutes a material breach of Contract;

e) The Contractor will contract for the performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the Contractor with the information required by O.C.G.A. § 13-10-91(a), (b), and (c);

f) The Contractor acknowledges and agrees that this Affidavit shall be incorporated into any contract(s) subject to the provisions of O.C.G.A. § 13-10- 91 for the project listed below to which Contractor is a party after the date hereof without further action or consent by Contractor; and

g) The Contractor acknowledges its responsibility to submit copies of any affidavits, drivers' licenses, and identification cards required pursuant to O.C.G.A. § 13-10-91 to the City of Alpharetta within five business days of receipt.

911865
Federal Work Authorization User Identification Number

09/23/2015
Date of Authorization

Georgia Bridge and Concrete, LLC
Name of Contractor

23-003, Webb Br Rd Bridge Replace, Roadway Imp,, N. Pt Pkwy to Big Cr Grnwy
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed date 10/27/2022 in Tucker (city), GA (state).

Signature of Authorized Officer or Agent

John E. Carmack, General Manager
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE 27 DAY OF October, 2022.

LAURA PRESNELL NOTARY PUBLIC PAULDING COUNTY, GEORGIA MY COMMISSION EXPIRES JULY 27, 2025

Laura Presnell
NOTARY PUBLIC
My Commission Expires: 7/27/2025

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

2 Business name/disregarded entity name, if different from above

Georgia Bridge and Concrete, LLC

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☑ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

P.O. Box 327

Requester's name and address (optional)

6 City, state, and ZIP code

Tucker, GA 30085

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

☐☐☐ – ☐☐ – ☐☐☐☐

or

Employer identification number

4 7 – 4 9 9 0 2 6 5

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶ [signature] Date ▶ 10/27/22

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

Question Set 1: Acknowledgements

#	Question	Response	Comment
1.0.1	Addenda Acknowledgement, enter the number of addenda received: Response Type: Select 0, 1, 2, etc.	2	Addendum 1 & 2 received.
1.0.2	Insurance Requirement Acknowledgement, Response Type: Yes, No entry.	Yes	Insurance Requirement acknowledged
1.0.3	Acknowledgment Payment and Performance Bond/ Retainage, Response Type: Yes, No entry.	Yes	Payment and Performance Bond/ Retainage acknowledged
1.0.4	Acknowledgement of Contract and T&C review, Response Type: Yes, No entry	Yes	Contract and T&C review acknowledged
1.0.5	Note any Exceptions to Contract T&Cs, Response Type: text entry.	none	
5 Questions			**100.00% Complete**

Question Set 2: Requested Information

#	Question	Response	Comment
2.0.1	Authorized signer for contract execution in DocuSign: Name, business title, email address, Response Type: Response Type: text entry.	-	John E. Carmack, General Manager, jcarmack@georgiabridge.net
2.0.2	Legal notices contact needed for contracting: Business name and mailing address, contact name, Response Type: text entry.	-	Georgia Bridge and Concrete, LLC, P.O. Box 327, Tucker, GA 30085
2.0.3	Unique Entity ID / identifier used at SAM.gov, Response Type: alphanumeric entry	-	VL6BG9HQHTK6
2.0.4	Corporate secretary for contract execution in DocuSign: Name, business title, email address, Response Type: Response Type: text entry.	-	Minton O'Neal, Chief Operating Officer, moneal@gpsent.com
2.0.5	Note the employee-number category for your company (all locations). Select either 500 or more employees, 100 or more employees, or less than 100 employees.	less than 100 employees	Less than 100 Employees
5 Questions			**100.00% Complete**

EXHIBIT C

SCOPE OF WORK

As provided in Exhibit A and Exhibit B.

EXHIBIT D

ADDITIONAL PAYMENT/RETAINAGE TERMS

A. Defined Terms. Terms used in this Agreement shall have their ordinary meaning, unless otherwise defined below or elsewhere in the Contract Documents.

(i) "Substantial Completion" means when the Work or designated portion thereof is complete in accordance with the Contract Documents so that any remaining Work includes only (1) Minor Items that can be completed or corrected within the following thirty (30) calendar days, (2) Permitted Incomplete Work that will be completed by the date agreed upon by the Parties, and (3) any Warranty Work. Substantial Completion shall require complete operation of all applicable building systems including, but not limited to, mechanical, electrical, plumbing, fire protection, fire alarm, telecom, data, security, elevators, life safety, and accessibility (if any).

(ii) "Minor Item" means a portion or element of the Work that can be totally complete within thirty (30) calendar days.

(iii) "Permitted Incomplete Work" means Work that is incomplete through no fault of the Contractor, as determined by the City in its sole discretion.

(iv) "Final Completion" means when the Work has been completed in accordance with terms and conditions of the Contract Documents.

B. Payment for Work Completed and Costs Incurred. City agrees to pay the Contractor for the Work performed and costs incurred by Contractor upon certification by the Contract Administrator and the City that the Work was actually performed and costs actually incurred in accordance with this Agreement. Payment shall be based on the value of the Work completed, as provided in the Contract Documents, plus the value of materials and equipment suitably stored, insured, and protected at the construction site, and, only if approved in writing by the City (which approval shall be given at the sole discretion of the City), such materials and equipment suitably stored, insured, and protected off site at a location approved by the City in writing, less retainage (as described below). Compensation for Work performed and reimbursement for costs incurred shall be paid to the Contractor upon receipt and approval by the City of invoices setting forth in detail the Work performed and costs incurred, along with all supporting documents required by the Contract Documents or requested by the City to process the invoice. Invoices shall be submitted on a monthly basis, and such invoices shall reflect costs incurred versus costs budgeted. Each invoice shall be accompanied by an Interim Waiver and Release upon Payment (or a Waiver and Release upon final payment in the case of the invoice for final payment) procured by the Contractor from all subcontractors in accordance with O.C.G.A. § 44-14-366. The final invoice shall also be accompanied by the Final Affidavit shown in **Exhibit A** of this Agreement.

The City shall pay the Contractor within thirty (30) calendar days after approval of the invoice by City staff, less any retainage as described in Section D below. No payments will be made for unauthorized work. Payment will be sent to the designated address by U. S. Mail only; payment will not be hand-delivered, though the Contractor may arrange to pick up payments directly from the City or may make written requests for the City to deliver payments to the Contractor by Federal Express delivery at the Contractor's expense.

C. Evaluation of Payment Requests. The Contract Administrator will evaluate the Contractor's applications for payment and will either issue to the City a Certificate for Payment (with a copy of the Contractor's application for payment) for such amount as the Contract Administrator determines is properly due, or notify the Contractor and City in writing of the Contract Administrator's reasons for withholding certification in whole or in part. The Contract Administrator may reject Work that does not conform to the Contract Documents and may withhold a Certificate of Payment in whole or in part, to the extent reasonably necessary to protect the City. When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

Even following a Certificate of Payment, the City shall have the right to refuse payment of any invoice or part thereof that is not properly supported, or where requests for payment for Work or costs are in excess of the actual Work performed or costs incurred, or where the Work product provided is unacceptable or not in conformity with the Contract Documents, as determined by the City in its sole discretion. The City shall pay each such invoice or portion thereof as approved, provided that neither the approval or payment of any such invoice, nor partial or entire use or occupancy of the Project by the City, shall be considered to be evidence of performance by the Contractor to the point indicated by such invoice, or of receipt or acceptance by the City of Work covered by such invoice, where such work is not in accordance with the Contract Documents.

D. Final Payment and Retainage. The City and Contractor shall comply with the provisions of O.C.G.A. § 13-10-80. The Contractor through each invoice may request payment of no more than ninety-five percent (95%) of that portion of the Work completed during the term covered by such invoice. Payment for the remaining five percent (5%) of Work completed and covered by such invoices shall be retained by the City until Substantial Completion. At the discretion of the City and with the written approval of the Contractor, the retainage of each subcontractor may be released separately as the subcontractor completes his or her work.

At Substantial Completion of the Work and as the Contract Administrator determines the Work to be reasonably satisfactory, the City shall, within thirty (30) days after the invoice and other appropriate documentation as may be required by the Contract Documents are provided to the City, pay the retainage to the Contractor. If at that time there are any remaining incomplete Minor Items or Permitted Incomplete Work, an amount equal to 200 percent (200%) of the value of each Minor Item or Permitted Incomplete Work, as determined by the Contract Administrator in its sole discretion, shall be withheld until such item, items or work are completed. The reduced retainage shall be shared by the Contractor and subcontractors as their interests may appear.

The Contractor shall, within ten (10) days from its receipt of retainage from the City, pass through payments to subcontractors and shall reduce each subcontractor's retainage in the same manner as the Contractor's retainage is reduced by the City, provided that the work of the subcontractor is proceeding satisfactorily and the subcontractor has provided or provides such satisfactory reasonable assurances of continued performance and financial responsibility to complete his or her work including any warranty work as the Contractor in his or her reasonable discretion may require, including, but not limited to, a payment and performance bond.

The subcontractor shall, within ten (10) days from the subcontractor's receipt of retainage from the Contractor, pass through payments to lower tier subcontractors and shall reduce each lower tier subcontractor's retainage in the same manner as the subcontractor's retainage is reduced by the Contractor, provided that the work of the lower tier subcontractor is proceeding satisfactorily and the lower tier subcontractor has provided or provides such satisfactory reasonable assurances of continued performance and financial responsibility to complete his or her work including any warranty work as the subcontractor in his or her reasonable discretion may require, including, but not limited to, a payment and performance bond.

Final payment of any retained amounts to the Contractor shall be made after certification by the Contract Administrator that the Work has been satisfactorily completed and is accepted in accordance with the Agreement and Contract Documents.

Neither final payment nor any remaining retainage shall become due until the Contractor submits to the Contract Administrator:

(1) an affidavit (as exemplified in **Exhibit A** of this agreement) that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the City or City property might be responsible or encumbered (less amounts withheld by City) have been paid or otherwise satisfied; and

(2) a certificate evidencing that insurance, required by the Contract Documents to remain in force after final payment, is currently in effect and will not be canceled or allowed to expire until at least thirty (30) calendar days prior written notice has been given to the City; and

(3) a written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents; and

(4) consent of surety, if any, to final payment; and

(5) a release or waiver of liens, claims, security interests, and encumbrances by all subcontractors and material suppliers; and

(6), if required by the City, other data establishing payment or satisfaction of

obligations, such as receipts, to the extent and in such form as may be designated by the City. If a subcontractor or material supplier refuses to furnish a release or waiver as required by the City, the Contractor may furnish a bond satisfactory to the City to indemnify the City against such lien. If such lien remains unsatisfied after payments are made, the Contractor shall refund to the City all money that the City may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.

Acceptance of final payment by the Contractor, a subcontractor or material supplier shall constitute a waiver of claims by that payee, except those claims previously made in writing and identified by that payee as unsettled at the time of final application for payment.

EXHIBIT E

Contract: Webb Bridge Road Bridge Replacement and Roadway Improvements-North Point to Big Creek Greenway ("Project")
Contract No.: 23-003

The following contract provisions are expressly incorporated into the Construction Services Agreement ("Agreement") between the **City of Alpharetta, Georgia**, a municipal corporation of the State of Georgia ("City"), and **Georgia Bridge and Concrete, LLC**, a Georgia limited liability corporation ("Contractor"), and to the extent there is any inconsistency or conflict between the following provisions and the Agreement, the following contract provisions shall replace and take priority over the existing terms of the Agreement.

No Fiduciary Relationship. Notwithstanding any other provision in the Agreement, Contractor has contractual responsibilities and duties owing to the City as otherwise set forth in this Agreement, but Contractor does not serve in a role as a fiduciary or higher role of trust with the City.

Limitation of Liability. Notwithstanding any other provisions in this Agreement to the contrary, Contractor shall not be liable under any cause of action related to the subject matter of this Agreement, whether in contract, tort (including negligence), strict liability, products liability, indemnity, contribution, or any other cause of action for punitive, special, indirect, incidental or consequential losses or damages, including loss of profits, use, opportunity, revenues, financing, bonding capacity, or business interruptions (but expressly excluding the liquidated damages assessed against Contractor as otherwise set forth in Section 4.B. in this Agreement); provided that the limitation of liability set forth herein shall not apply to Contractor's willful misconduct, breach of confidentiality provisions or otherwise recoverable under an existing insurance policy provided in connection with this Project.

Contractor's Examination of the Contract Documents. Notwithstanding any other provisions in this Agreement, Contractor has examined the Contract Documents, and the existing structures on site to properly perform its obligations and will report before signing this Agreement any inconsistencies, conflicts, omissions, or errors observed, as well as any aspects of them that Contractor has reason to believe may not comply with applicable building codes and standards. Contractor's document examination shall be based upon reasonable industry practices and Contractor shall not be held to a higher standard of design professional or be responsible for errors, omissions, or other problems unless Contractor knew or should have reasonably known of the errors, omissions or problems and failed to report them to the City.

Delays Beyond Contractor's Control. Notwithstanding any other provisions in this Agreement, Contractor shall not be responsible for any delays in performance caused by industry-wide shortages or interferences with the Work that is beyond the Contractor's reasonable control. The City recognizes that the current construction market has created unpredictable and volatile material procurement conditions and that these conditions might cause material delivery problems that are outside the Contractor's control. Contractor shall be entitled to a Change Order and reasonable time extensions as otherwise contemplated by the Agreement.

Indemnification Limited. Notwithstanding any other provision contained in the Agreement or in the Contract Documents, Contractor's duty to indemnify, hold harmless and defend the City, Indemnified Parties, or any other third party shall be proportion to Contractor's allocable share of fault and shall not include such parties' own negligent or reckless acts or omissions.

Initials _____ _____

SCHEDULE OF ITEMS

Webb Bridge Rd Bridge Replacement and Roadway Improvements – North Point to Big Creek Greenway

ITB # 23-003

ADDENDUM #2: Supercedes any previous SOI. All Bidders must respond using this SOI. Posted 10-21-22.

Enter Bidder's Name: **Georgia Bridge and Concrete, LLC**

Pay Item #	Item Description	Unit Price	Unit	Quantity	Total
150-1000	TRAFFIC CONTROL	$ 520,000.00	LS	1.00	$ 520,000.00
632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	$ 20,000.00	EA	4.00	$ 80,000.00
163-9999	PINE STRAW (3 IN THICK)	$ 24.00	SY	330.00	$ 7,920.00
208-0200	ROCK EMBANKMENT	$ 68.00	CY	3034.00	$ 206,312.00
210-0100	GRADING COMPLETE	$ 1,598,500.00	LS	1.00	$ 1,598,500.00
310-1101	GR AGGR BASE CRS, INCL MATL	$ 44.00	TN	2875.00	$ 126,500.00
318-3000	AGG SURF CRS	$ 70.00	TN	40.00	$ 2,800.00
402-1801	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL	$ 510.00	TN	13.00	$ 6,630.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	$ 302.00	TN	102.00	$ 30,804.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	$ 201.00	TN	672.00	$ 135,072.00
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2,INCL BITUM MATL & H LIME	$ 233.00	TN	384.00	$ 89,472.00
402-4510	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLY-MOD BITUM MATL & H LIME	$ 230.00	TN	1220.00	$ 280,600.00
413-0750	TACK COAT	$ 10.00	GL	1459.00	$ 14,590.00
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	$ 10.00	SY	11234.00	$ 112,340.00
433-1100	REINF CONC APPROACH SLAB, INCL CURB	$ 355.00	SY	323.00	$ 114,665.00
441-0016	DRIVEWAY CONCRETE, 6 IN TK	$ 82.00	SY	367.00	$ 30,094.00
441-0104	CONC SIDEWALK, 4 IN	$ 56.00	SY	4813.00	$ 269,528.00
441-0106	CONC SIDEWALK, 6 IN	$ 80.00	SY	334.00	$ 26,720.00
441-0108	CONC SIDEWALK, 8 IN	$ 102.00	SY	87.00	$ 8,874.00
441-0754	CONCRETE MEDIAN, 7.5 IN	$ 120.00	SY	153.00	$ 18,360.00
441-4020	CONC VALLEY GUTTER, 6 IN	$ 105.00	SY	29.00	$ 3,045.00
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	$ 26.00	LF	1166.00	$ 30,316.00
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	$ 28.00	LF	2194.00	$ 61,432.00
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	$ 12.00	LF	734.00	$ 8,808.00
500-3201	CLASS B CONCRETE, RETAINING WALL	$ 1,450.00	CY	33.00	$ 47,850.00
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	$ 620.00	CY	29.00	$ 17,980.00
515-2015	HANDRAIL - ALPHARETTA STANDARD	$ 196.00	LF	1508.00	$ 295,568.00
611-4996	RESET GATE	$ 2,500.00	EA	1.00	$ 2,500.00
634-1200	RIGHT OF WAY MARKERS	$ 400.00	EA	17.00	$ 6,800.00
641-1100	GUARDRAIL, TP T	$ 96.00	LF	304.00	$ 29,184.00
641-1200	GUARDRAIL, TP W	$ 60.00	LF	387.00	$ 23,220.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	$ 2,750.00	EA	3.00	$ 8,250.00
641-5015	GUARDRAIL ANCHORAGE, TP 12A, 31 IN, TANGENT, ENERGY-ABSORBING	$ 4,850.00	EA	2.00	$ 9,700.00
754-4000	WASTE RECEPTACLE	$ 14,000.00	EA	1.00	$ 14,000.00
900-0526	BOLLARDS	$ 10,000.00	EA	1.00	$ 10,000.00
999-0001	WOOD TOE BANK STABILIZATION	$ 205,000.00	LS	1.00	$ 205,000.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	$ 85.00	LF	956.00	$ 81,260.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	$ 110.00	LF	170.00	$ 18,700.00
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	$ 1,500.00	EA	9.00	$ 13,500.00
550-4224	FLARED END SECTION 24 IN, STORM DRAIN	$ 1,800.00	EA	3.00	$ 5,400.00
603-2036	STN DUMPED RIP RAP, TP 1, 36 IN	$ 195.00	SY	23.00	$ 4,485.00
603-2181	STN DUMPED RIP RAP, TP 3, 18 IN	$ 86.00	SY	74.00	$ 6,364.00
603-7000	PLASTIC FILTER FABRIC	$ 15.00	SY	97.00	$ 1,455.00
611-3000	RECONSTR CATCH BASIN, GP 1	$ 5,100.00	EA	5.00	$ 25,500.00
668-1100	CATCH BASIN, GP 1	$ 5,500.00	EA	21.00	$ 115,500.00
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	$ 500.00	LF	26.00	$ 13,000.00
668-2100	DROP INLET, GP 1	$ 5,000.00	EA	1.00	$ 5,000.00
668-2110	DROP INLET, GP 1, ADDL DEPTH	$ 500.00	LF	1.00	$ 500.00
668-4300	STORM SEWER MANHOLE. TP 1	$ 4,500.00	EA	3.00	$ 13,500.00
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	$ 500.00	LF	1.00	$ 500.00
668-4312	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 2	$ 500.00	LF	12.00	$ 6,000.00
610-9001	REMOVE SIGN	$ 200.00	EA	8.00	$ 1,600.00
611-5551	RESET SIGN	$ 350.00	EA	8.00	$ 2,800.00
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	$ 32.00	SF	57.75	$ 1,848.00
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	$ 35.00	SF	27.00	$ 945.00
636-2090	GALV STEEL POSTS, TP 9	$ 18.00	LF	192.00	$ 3,456.00
636-4104	PLASTIC FLEXBILE DELINEATOR, TP 2B	$ 135.00	EA	17.00	$ 2,295.00
647-5230	SIGN ASSEMBLY, FLASHING SCHOOL, COMPLETE	$ 22,500.00	EA	2.00	$ 45,000.00
652-0094	PAVEMENT MARKING, BIKE SHARED LANE SYMBOL	$ 300.00	EA	4.00	$ 1,200.00
652-5900	SOLID TRAFFIC STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$ 2,500.00	LM	0.97	$ 2,425.00

652-6900	SKIP TRAFFIC STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$	2,200.00	GLM	0.07	$ 154.00
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	$	180.00	EA	15.00	$ 2,700.00
653-0210	THERMOPLASTIC PVMT MARKING, WORD, TP 1	$	300.00	EA	3.00	$ 900.00
653-0230	THERMOPLASTIC PVMT MARKING, WORD, TP 3A	$	600.00	EA	2.00	$ 1,200.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	$	1.35	LF	3306.00	$ 4,463.10
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	$	1.35	LF	9986.00	$ 13,481.10
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	$	15.00	LF	71.00	$ 1,065.00
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	$	4.00	LF	902.00	$ 3,608.00
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	$	3.00	GLF	575.00	$ 1,725.00
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	$	12.00	SY	129.00	$ 1,548.00
654-1001	RAISED PAVEMENT MARKERS TP 1	$	10.00	EA	183.00	$ 1,830.00
654-1003	RAISED PAVEMENT MARKERS TP 3	$	10.00	EA	33.00	$ 330.00
654-1010	RAISED PAVEMENT MARKERS TP 10	$	100.00	EA	18.00	$ 1,800.00
657-1085	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	$	12.00	LF	520.00	$ 6,240.00
657-3086	PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	$	10.00	GLF	224.00	$ 2,240.00
657-6086	PREFORMED PLASTIC DOUBLE SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	$	12.00	LF	520.00	$ 6,240.00
163-0232	TEMPORARY GRASSING	$	2,500.00	AC	0.57	$ 1,425.00
163-0240	MULCH	$	560.00	TN	11.42	$ 6,395.20
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXIT	$	4,200.00	EA	4.00	$ 16,800.00
163-0527	CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAND BAGS	$	800.00	EA	5.00	$ 4,000.00
163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAMS	$	2,200.00	EA	3.00	$ 6,600.00
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	$	430.00	EA	17.00	$ 7,310.00
163-1930	CONSTRUCT AND REMOVE COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	12.00	LF	430.00	$ 5,160.00
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C (Sd1-S)	$	1.30	LF	13576.00	$ 17,648.80
165-0041	MAINTENANCE OF CHECK DAMS - ALL TYPES	$	10.00	LF	220.00	$ 2,200.00
165-0050	MAINTENANCE OF FLOATING TURBIDITY BARRIER	$	10.00	LF	180.00	$ 1,800.00
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	$	3,200.00	EA	4.00	$ 12,800.00
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	$	220.00	EA	17.00	$ 3,740.00
165-0110	MAINTENANCE OF ROCK FILTER DAM	$	750.00	EA	3.00	$ 2,250.00
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA (PER EACH)	$	1,500.00	EA	4.00	$ 6,000.00
165-1500	MAINTENANCE OF COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	8.00	LF	430.00	$ 3,440.00
167-1000	WATER QUALITY MONITORING AND SAMPLING	$	850.00	EA	9.00	$ 7,650.00
167-1500	WATER QUALITY INSPECTIONS	$	2,000.00	MO	30.00	$ 60,000.00
170-1000	FLOATING TURBIDITY BARRIER	$	22.00	LF	180.00	$ 3,960.00
171-0030	TEMPORARY SILT FENCE, TYPE C (Sd1-S)	$	5.60	LF	13576.00	$ 76,025.60
643-8200	BARRIER FENCE (ORANGE), 4 FT (CoA Std L-6, Type B)	$	4.00	LF	6010.00	$ 24,040.00
700-6910	PERMANENT GRASSING	$	4,000.00	AC	1.14	$ 4,560.00
700-7000	AGRICULTURAL LIME	$	650.00	TN	2.28	$ 1,482.00
700-8000	FERTILIZER MIXED GRADE	$	2,000.00	TN	0.34	$ 680.00
700-9300	SOD - TIFTUF	$	15.00	SY	790.00	$ 11,850.00
716-2000	EROSION CONTROL MATS (JUTE BASED), SLOPES	$	1.80	SY	3400.00	$ 6,120.00
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	$	120.00	SF	18.00	$ 2,160.00
639-3004	STEEL STRAIN POLE, TP IV (W/ 10' UPRIGHT EXTENSION AND W/40 FT MAST ARM); (POWDER-COAT BLACK FINISH)	$	27,000.00	EA	1.00	$ 27,000.00
639-3004	STEEL STRAIN POLE, TP IV (W/ 40 FT MAST ARM); (POWDER-COAT BLACK FINISH)	$	27,000.00	EA	1.00	$ 27,000.00
639-3004	STEEL STRAIN POLE, TP IV (W/ 45 FT MAST ARM); (POWDER-COAT BLACK FINISH)	$	27,000.00	EA	1.00	$ 27,000.00
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1 - WEBB BRIDGE RD AT ALPHARETTA HS	$	52,000.00	LS	1.00	$ 52,000.00
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	$	12.00	LF	1670.00	$ 20,040.00
682-9950	DIRECTIONAL BORE - 7 IN	$	80.00	LF	240.00	$ 19,200.00
937-4000	INDUCTANCE LOOP DETECTION SYSTEM NO. 1	$	8,000.00	LS	1.00	$ 8,000.00
937-4100	PEDESTRIAN DETECTION SYSTEM NO. 1	$	6,000.00	LS	1.00	$ 6,000.00
682-2150	PULL BOX, PB-5	$	2,600.00	EA	8.00	$ 20,800.00
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	$	9.00	LF	5300.00	$ 47,700.00
682-6520	CONDUIT, FIBERGLASS, 2 IN	$	50.00	LF	410.00	$ 20,500.00
682-9950	DIRECTIONAL BORE - 5 IN	$	58.00	LF	300.00	$ 17,400.00
935-1113	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER	$	2.00	LF	3925.00	$ 7,850.00
935-4010	FIBER OPTIC SPLICE, FUSION	$	80.00	EA	48.00	$ 3,840.00
935-4103	FIBER OPTIC CLOSURE, UNDERGROUND, 24 SPLICE	$	1,500.00	EA	1.00	$ 1,500.00
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	$	40.00	LF	80.00	$ 3,200.00
682-6223	CONDUIT, NONMETL, TP 2, 3 IN	$	45.00	LF	80.00	$ 3,600.00
682-2150	PULL BOX, PB-5	$	1,250.00	EA	2.00	$ 2,500.00
702-9025	LANDSCAPE MULCH - 1" DEPTH	$	230.00	CY	10.00	$ 2,300.00
713-0300	COCONUT FIBER BLANKET, WATERWAYS	$	5.00	SY	548.00	$ 2,740.00
713-0400	COCONUT FIBER BLANKET, SLOPES	$	3.50	SY	1900.00	$ 6,650.00
766-7020	IRRIGATION SYSTEM	$	10,000.00	LS	1.00	$ 10,000.00
680-4100	LIGHTING STD, 0-10 FT MH, POST TOP	$	2,500.00	EA	6.00	$ 15,000.00
680-4110	LIGHTING STD, 11-15 FT MH, POST TOP	$	3,700.00	EA	76.00	$ 281,200.00

680-6130	LUMINAIRE, TP 3, LED	$ 2,350.00	EA	82.00	$ 192,700.00
682-1504	Cable, TP RHH/RHW, AWG NO 10	$ 1.50	LF	19500.00	$ 29,250.00
682-2110	ELECTRICAL SERVICE POINT	$ 12,000.00	EA	3.00	$ 36,000.00
682-6221	CONDUIT, NONMETAL, TP 2, 2 1/2 IN	$ 10.00	LF	6500.00	$ 65,000.00
682-9950	DIRECTIONAL BORE PIPE - 3 IN	$ 35.00	LF	1865.00	$ 65,275.00
500-0100	GROOVED CONCRETE	$ 35.00	SY	489.00	$ 17,115.00
500-1011	SUPERSTR CONCRETE, CL D	$ 760,000.00	LS	1.00	$ 760,000.00
500-3101	CLASS A CONCRETE	$ 990.00	CY	126.00	$ 124,740.00
507-8900	PSC BEAMS, AASHTO, TYPE 1 MODIFIED, BR NO-1	$ 224.00	LF	1943.00	$ 435,232.00
511-1000	BAR REINF STEEL	$ 1.82	LB	13980.00	$ 25,443.60
511-3000	SUPERSTR REINF STEEL	$ 135,000.00	LS	1.00	$ 135,000.00
515-2020	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	$ 55.00	LF	388.00	$ 21,340.00
520-0353	H-PILE POINTS, HP 12 X 53	$ 205.00	EA	18.00	$ 3,690.00
520-0589	H-PILE POINTS, HP 14 X 89	$ 250.00	EA	7.00	$ 1,750.00
520-1125	PILING IN PLACE, STEEL H, HP 12 X 53	$ 84.00	LF	690.00	$ 57,960.00
520-1151	PILING IN PLACE, STEEL H, HP 14 X 89	$ 120.00	LF	1000.00	$ 120,000.00
520-4125	LOAD TEST, STEEL H, HP 12 X 53 (IF REQD)	$ 1.00	EA	1.00	$ 1.00
520-4151	LOAD TEST, STEEL H, HP 14 X 89 (IF REQD)	$ 1.00	EA	1.00	$ 1.00
520-5000	PILOT HOLES	$ 585.00	LF	525.00	$ 307,125.00
523-1100	DYNAMIC PILE TEST	$ 6,500.00	EA	2.00	$ 13,000.00
540-1102	REMOVAL OF EXISTING BRIDGE - BR NO 1 (This will be for removal and disposal of Vehicular Bridge.)	$ 210,000.00	LS	1.00	$ 210,000.00
540-1102	REMOVAL OF EXISTING BRIDGE - BR NO 2 (This will be for removal and disposal of Pedestrian Bridge.)	$ 1,000.00	LS	1.00	$ 1,000.00
547-2014	PILE ENCASEMENT, 14 IN PILE	$ 490.00	LF	242.00	$ 118,580.00
603-2024	STN DUMPED RIP RAP, TP 3, 24 IN.	$ 72.00	SY	908.00	$ 65,376.00
603-7000	PLASTIC FILTER FABRIC	$ 8.00	SY	908.00	$ 7,264.00
607-3000	STONE FACING	$ 56.00	SF	1563.00	$ 87,528.00
999-9999	MISCELLANEOUS CONSTRUCTION	$ 500,000.00	LS	1.00	$ 500,000.00
				SUB-TOTAL A	$ 9,204,678.40

171-0030	TEMPORARY SILT FENCE, TYPE C (Sd1-S)	$ 6.00	LF	1400.00	$ 8,400.00
500-3101	CLASS A CONCRETE	$ 2,500.00	CY	10.00	$ 25,000.00
600-0001	FLOWABLE FILL	$ 1,060.00	CY	5.00	$ 5,300.00
611-8050	ADJUST MANHOLE TO GRADE	$ 4,000.00	EA	1.00	$ 4,000.00
611-8120	ADJUST WATER METER BOX TO GRADE	$ 2,500.00	EA	1.00	$ 2,500.00
611-8140	ADJUST WATER VALVE BOX TO GRADE	$ 2,500.00	EA	5.00	$ 12,500.00
670-1060	WATER MAIN, 6 IN	$ 180.00	LF	20.00	$ 3,600.00
670-1080	WATER MAIN, 8 IN	$ 105.00	LF	1405.00	$ 147,525.00
670-1600	CUT & PLUG EXISTING WATER MAIN	$ 5,000.00	EA	2.00	$ 10,000.00
670-2080	GATE VALVE, 8 IN	$ 6,000.00	EA	3.00	$ 18,000.00
670-2500	INSERTION VALVE - 8 IN	$ 18,000.00	EA	2.00	$ 36,000.00
670-4000	FIRE HYDRANT	$ 8,500.00	EA	3.00	$ 25,500.00
670-9720	RELOCATE EXIST WATER VALVE, INCL BOX	$ 4,000.00	EA	2.00	$ 8,000.00
670-9737	REMOVE AND REPLACE EXT. WATER VAULT INCL METER AND VAULT, 4 INCH AND LARGER	$ 18,000.00	EA	1.00	$ 18,000.00
670-9920	REMOVE EXISTING FIRE HYDRANT	$ 3,200.00	EA	3.00	$ 9,600.00
				SUB-TOTAL B	$ 333,925.00

GRAND TOTAL $ 9,538,603.40

540-1102	REMOVAL OF EXISTING BRIDGE - BR NO 2-ALT (This will be for removal and salvage of Pedestrian Bridge)	$ 20,000.00	LS	1.00	$ 20,000.00

GRAND TOTAL WITH BRIDGE NO 2-ALT $ 9,557,603.40

ATKINS
Member of the SNC-Lavalin Group

Webb Bridge Road - Supplement on the Bridge and Stream Restoration Inspections
November 1, 2022

Task ID	**Description**		Directs/ Expenses/ Subs	Senior Bridge Inspector (SBI)	Constructio n Inspector 3 (CI-3)	CM/PM Hours	Labor Price	Total Price (Labor + Directs)
	Rate		N/A	$ 168.75	$ 121.50	$ 264.92		
01	CEI-Bridge Inspector	Hours		1158			$ 195,412.50	$ 195,412.50
02	CM-PM	Hours				80	$ 21,193.60	$ 21,193.60
03	Stream Bank Restoration Inspection	Hours			322		$ 39,123.00	$ 39,123.00
04							$ -	$ -
								$ 255,729.10

SBI	Senior Bridge Inspector (Patrick Millican)	New add to rate Table. To be used on the Bridge Construction Inspection
CM/PM	Project Manager (Obie Brannon)	Exisitng Rate Established
CI-3	Constructin Inspector 3 (Adam Lewis)	New add to rate Table. To be used on the Stream Bank Restoration

STATEMENT OF CREDIT AVAILABILITY

APPLICATION INFORMATION

Permit Type: NWP
USACE Permit Number: SAS- 2007 - 00909
Project Name: Webb Bridge Road Improvements
Applicant: City of Alpharetta
County: Fulton
Impacted HUC: 3130002

CREDIT NEED

Stream Credit Type: Perennial - Greater than 3 square
Stream Credits Needed: 14.00

Wetland Credit Type: Riverine/Lacustrine Fringe (201
Wetland Credits Needed: 0.30

MITIGATION BANK NAMED

Bank/In-Lieu Fee (ILF) Program Name: Mulberry Basin Mitigation Bank
Bank/ILF Program Number: SAS- 2017 - 00913
Primary Service Area HUC(s): 03130002
Secondary Service Area HUC(s): 0315018, 03130005, 03130001 (below Lanier dam)
Stream Credit Type Utilized: Perennial - Less than 3 square miles (2C
Stream Credits Utilized: 14.00
Wetland Credit Type Utilized: Riverine/Lacustrine Fringe (2018)
Wetland Credits Utilized: 0.30

The Bank Representative hereby authorizes the Applicant to provide this statement of credit availability for the mitigation bank listed above as a potential source of compensatory mitigation in its U.S. Army Corps of Engineers (Corps) permit application for the above referenced project. The Bank Representative shall indicate the current status of credit availability (see check boxes below) for all inquiries of credit availability for Corps permit applications within the geographic service area(s) of the respective mitigation bank. Failure of the Bank Sponsor to provide a statement of credit availability for a Corps permit application will result in the Corps' determination that the mitigation credits are **NOT AVAILBLE** for purchase from the respective mitigation bank.

☑ By signing below, I certify that the mitigation credits specified above are currently **AVAILABLE** for purchase from the named Mitigation Bank. This certification does not create an obligation to sell the specified credits.

☐ By signing below, I certify that the mitigation credits are currently **NOT AVAILABLE** for purchase from the named Mitigation Bank. This certification does not preclude the Bank Sponsor from offering the specified credits for sale if they should later become available. However, the Applicant will be under no obligation to purchase the later-offered credits if the Applicant secures acceptable credits from another source.

Bank/ILF Representative:

By: Melissa von Kutzleben Digitally signed by Melissa von Kutzleben Date: 2022.09.20 10:19:16 -04'00'
Name: Melissa von Kutzleben
Date: 09/20/2022

As the Applicant, I understand that failure to purchase mitigation credits as required by the Corps may result in a suspension or revocation of the permit and/or civil or criminal enforcement actions by the Corps or the U.S. Environmental Protection Agency.

Applicant:

By:_____
Name:
Date:

Note 1: Potential mitigation credits that have not been released for sale will only be considered “available” at the discretion of the Corps.

Note 2: If the purchase of available credits identified in this statement of credit availability cannot be finalized by either party (Banker or Applicant), the Applicant will need to immediately coordinate with the Corps to ensure that an alternative compensatory mitigation plan is proposed to offset project impacts.

Note 3: If credits are being purchased from multiple mitigation banks, then a Statement of Credit Availability is required from each mitigation bank.

RES Aster, LLC
1551 Jennings Mill Road
Suite 1400-B
Watkinsville, GA 30677

CC: Kayla Theilig, Pond & Co.

Estimate Date: 11/04/22
Subject: TBD Project - Fulton County Credit Estimate

Credit Source	Credit Classification	Credit Type	Quantity	Cost Per Credit	Total Cost
Mulberry Basin	Stream	Perennial Streams (<3 sq mi)	14.00	$2,200.00	$30,800.00
Mulberry Basin	Wetland	Riverine/Lacustrine	0.30	$800,000.00	$240,000.00
				$	$0.00
				$	$0.00
				Grand Total	**$270,800.00**

TERMS

The pricing shown above will expire on 12/31/22. Pricing is subject to change prior to this expiration date if alternative banks are needed to satisfy the credit need. This estimate does not guarantee credit availability as credit inventories are subject to change daily. If you are interested in reserving credits for your project, please request a reservation invoice. Credits are only reserved once the reservation invoice is paid. A SOCA alone will not reserve credits. If you do not reserve credits, please contact us for final invoice prior to the expiration of this estimate and we will attempt to confirm that credits are still available from the selected mitigation banks. Prior to closing we will also need a copy of the approved permit to confirm that the credit purchase is consistent with the permit conditions.

Thank you,

RES Sales Team
GACredits@res.us
(706) 850-2171

INTERGOVERNMENTAL AGREEMENT
BETWEEN FULTON COUNTY, GEORGIA
AND CITY OF ALPHARETTA, GEORGIA

THIS INTERGOVERNMENTAL AGREEMENT ("***IGA***") is executed as of the _____ day of _____, 2022, by and between **CITY OF ALPHARETTA, GEORGIA** ("***CITY***"), a municipality of the State of Georgia, and **FULTON COUNTY, GEORGIA** ("***COUNTY***"), a political subdivision of the State of Georgia. The term "Party" refers individually to either CITY or COUNTY and the term "Parties" refers to both CITY and COUNTY.

WHEREAS, CITY proposes to undertake a transportation project identified as "Webb Bridge Road from East of North Point Parkway to Big Creek Greenway Bridge Replacement and Roadway Improvements" ("***PROJECT***") by contract through its competitive bidding procedures; and

WHEREAS, COUNTY has fire hydrant, water main, water meter, service lines, and valves ("***UTILITIES***"), as shown on construction plans for the PROJECT, which must be adjusted or relocated as a result of the PROJECT ("***UTILITIES RELOCATION***"); and

WHEREAS, COUNTY does not have adequate equipment and staff to adjust or relocate its UTILITIES or for other reasons considers it advantageous to have the UTILITIES RELOCATION included in the PROJECT contract to be let to bid by the CITY; and

WHEREAS, the plans and specifications for the UTILITIES RELOCATION have been approved by both CITY and COUNTY and are attached hereto and incorporated herein as **Exhibit "A"** ("***PLANS***"); and

WHEREAS, the Constitution of the State of Georgia provides, in Article IX, Section III, Paragraph I, Subparagraph (a), that any county or municipality of the State of Georgia may contract for any period not exceeding 50 years with each other or with any other public agency, public corporation, or public authority for the provision of services, or for the joint or separate use of facilities or equipment when such contracts deal with activities, services, or facilities which the contracting parties are authorized by law to undertake or provide; and

WHEREAS, COUNTY and CITY desire to enter into this IGA to facilitate the UTILITIES RELOCATION; and

WHEREAS, as consideration for CITY performing the UTILITIES RELOCATION, COUNTY will reimburse the cost of the UTILITIES RELOCATION to CITY; and

WHEREAS, COUNTY and CITY have determined that this IGA serves the best interest of all Parties and their citizens by improving transportation and utility infrastructures.

NOW THEREFORE, incorporating the foregoing recitals, and in consideration of the mutual promises, covenants and undertakings of the Parties hereinafter set forth, and for the public purposes

herein contained and provided for, COUNTY and CITY covenant, agree, and bind themselves as follows:

I. PURPOSE.

This IGA is entered into with the understanding by the Parties that the primary objective of this IGA is to promote a public purpose—specifically, the improvement of transportation and utility infrastructure.

II. COMPENSATION AND PAYMENT.

1. The approximate non-binding estimate of the total cost of the UTILITIES RELOCATION work contemplated under this IGA, subject to change based upon bid acceptance and as otherwise provided herein, is **$333,925.00 (Three Hundred Thirty-Three Thousand and Nine Hundred Twenty-Five Dollars)**. COUNTY shall pay to CITY 100% of the final cost of the UTILITIES RELOCATION work, as such cost is determined pursuant to the terms of this IGA, performed on behalf of COUNTY. It is agreed that the compensation specified includes both direct and indirect costs incurred in the performance of this IGA.

2. As soon as practicable after the opening of bids and acceptance of a bid by CITY, CITY shall notify COUNTY in writing of the cost amount due CITY. COUNTY shall promptly respond to CITY with either its acceptance of the amount payable by COUNTY for the UTILITIES RELOCATION or its reasonable determination that there is a material discrepancy or error in the calculation of the amount due CITY. The parties agree that if COUNTY has not responded to CITY's notice of the accepted bid contract amount within fourteen (14) days after COUNTY's receipt of such notice, COUNTY will be deemed to have accepted such amount and, therefore, CITY will proceed with the work necessary for the UTILITIES RELOCATION as provided herein.

3. CITY will provide COUNTY with monthly invoices in amounts equal to the amounts CITY has paid each month to the contractor performing the UTILITIES RELOCATION. COUNTY shall pay such invoices within thirty (30) days from receipt. Upon completion of the UTILITIES RELOCATION, CITY shall submit a final invoice to COUNTY as provided herein.

4. Subject to the provisions of Section X below, in the event there is a change in the PROJECT or it becomes necessary to add pay items that are not provided for in the contract, CITY shall negotiate prices with the contractor and enter into a supplemental agreement with the contractor for completion of the additional items. COUNTY shall bear 100 percent of the additional cost of the UTILITIES RELOCATION, including, without limitation, the cost of any improvements or betterments to the UTILITIES requested by COUNTY, as determined in accordance with this IGA.

5. The final cost of the UTILITIES RELOCATION work performed on behalf of COUNTY shall be determined by measurement of the actual quantities of installed materials, including added items as provided herein, multiplied by the actual bid prices. Accordingly, after the UTILITIES RELOCATION has been completed, CITY shall determine the final cost to be borne by COUNTY and, as the case may be, shall refund to COUNTY or shall request of COUNTY an additional payment in the amount of the difference between the final cost to be borne by COUNTY and the amount which COUNTY has previously paid to CITY. In the event additional payment is due to CITY, COUNTY agrees to pay same within thirty (30) days after the invoice is received from CITY. In the event a refund is due COUNTY, CITY agrees to pay COUNTY within thirty (30) after the refund amount is determined by CITY.

III. OVERVIEW.

The work contemplated by this IGA consists of constructing the UTILITIES RELOCATION for the PROJECT. Upon completion of the work and upon certification by CITY and COUNTY's engineers that the work has been completed in accordance with the PLANS, COUNTY will accept the adjusted, relocated, and additional facilities and will thereafter operate and maintain said facilities without further cost to CITY or its contractor. The maintenance and operations activities of the facilities will be subject to the COUNTY's rules, policies, procedures, standards, and specifications. The COUNTY agrees that these facilities will be subject to CITY's rules, policies, procedures, standards, and specifications related to utility accommodations within the CITY's right-of-way.

IV. COUNTY'S RESPONSIBILITIES.

1. COUNTY agrees that the PROJECT and UTILITIES RELOCATION design are accurately shown in the PLANS attached hereto as Exhibit "A".
2. In accordance with Section X below, COUNTY shall have the right to visit and to inspect the work and any reports, drawings, studies, specifications, estimates, maps, and computations related to the work for COUNTY's UTILITIES at any time and to advise CITY's Project Manager / Engineer-in-Charge of any observed discrepancies or potential problems.
3. COUNTY shall respond in a timely manner to any issue that may arise during the construction phase. Every effort shall be made not to delay the contractor under any circumstances.
4. Subject to the provisions of Section II above, COUNTY is responsible to reimburse all material and labor costs to CITY related to the UTILITIES RELOCATION for the PROJECT.

V. CITY'S RESPONSIBILITIES.

1. CITY shall undertake the contracting and assume responsibility for the PROJECT's management and completion.
2. All work necessary for the UTILITIES RELOCATION in accordance with the PLANS shall be included in the contract and let to bid by CITY.
3. All construction, engineering, and contract supervision shall be the responsibility of CITY. CITY shall keep accurate records with regard to the activities conducted under this IGA and provide COUNTY access to such records upon request. In accordance with Section X below,

CITY shall consult with COUNTY for its approval as provided herein before authorizing any changes or deviations which affect COUNTY's UTILITIES.

4. CITY shall respond in a timely manner to any issue that may arise during the construction phase. All efforts shall be made not to delay the contractor under any circumstances.

VI. ADDITIONAL UNDERSTANDINGS.

The Parties to this IGA have mutually acknowledged and agreed to the following:

1. The Parties shall work together in a cooperative and coordinated effort and in such a manner and fashion to bring about the achievement and fulfillment of the goals and objectives of this IGA.

2. It is not the intent of this IGA to restrict the Parties to this IGA from their involvement or participation with any other public or private individuals, agencies or organizations.

VII. TERM.

This IGA shall be effective upon execution by both Parties and continue until completion of the UTILITIES RELOCATION and the PROJECT and full reimbursement by COUNTY to CITY for the cost of the work. In no event shall this IGA exceed a fifty (50) year term. The Parties may agree to amend this IGA at any time.

VIII. RESPONSIBILITY FOR CLAIMS AND LIABILITY.

It is hereby stipulated and agreed between the Parties that, with respect to any claim or action brought by a third party and arising out of the activities described in this IGA or stems from any matter arising out of any actual or alleged infringement of any patent, trademark, copyright, or service mark, or other actual or alleged unfair competition disparagement of product or service, or other tort or any type whatsoever, or any actual or alleged violation of trade regulations, to the extent permitted by law each Party shall only be liable for payment of that portion of any and all liability, costs, expenses, demands, settlements, or judgments resulting from the negligence actions or omissions of its own agents, officers, and employees. Either Party may self-fund its obligations under this IGA. However, nothing herein shall be construed as a waiver of any Party's sovereign immunity or the immunities available to the officials, officers, and employees of the Parties. Under the construction contract between CITY and the contractor performing the UTILITIES RELOCATION, such contractor shall agree to indemnify and hold harmless COUNTY as an additional indemnified party under the construction contract with respect to the UTILITIES RELOCATION work.

IX. INSURANCE.

Under the construction contract between CITY and the contractor performing the UTILITIES RELOCATION, such contractor shall agree to include COUNTY, as the owner of the UTILITIES affected by the UTILITIES RELOCATION work, as an additional insured on bodily injury and property damage liability insurance required to be purchased and maintained by the contractor in accordance with the terms of the construction contract. Such insurance shall be in an amount of not

less than $300,000 per occurrence. Certificates of insurance stating coverages and policy limits and showing CITY, COUNTY, and other insured parties as additional insured shall be provided in accordance with the terms of the construction contract.

X. REVIEW OF WORK.

Authorized representatives of COUNTY may at all reasonable times review and inspect the UTILITIES RELOCATION work under the terms of this IGA and any amendments thereto. If requested by COUNTY under the terms hereof, its review recommendations shall be reviewed and considered by CITY's Project Manager / Engineer-in-Charge. Should CITY's Project Manager / Engineer-in-Charge determine incorporation of such recommendations into the work activities of CITY is not appropriate, the Project Manager / Engineer-in-Charge shall promptly notify COUNTY and, should COUNTY so request, the Parties will meet within seven (7) days to discuss and review COUNTY's recommendations. Should the Parties be unable to agree after meeting, COUNTY's recommendations shall be incorporated into the work activities if they relate solely to COUNTY's UTILITIES. Otherwise, the determination of the Project Manager / Engineer-in-Charge shall control.

XI. TIME OF PERFORMANCE.

Time is of the essence in all matters pertaining to this IGA. In the event COUNTY requests any changes in the work related to the UTILITIES RELOCATION after the PROJECT work is underway, COUNTY shall cooperate in a prompt and timely manner to any requests by CITY in the processing of any change orders to avoid delays on the progress of the UTILITIES RELOCATION. Specifically, COUNTY shall respond within fourteen (14) days of receiving any change order related request from CITY, including, without limitation, a request for acceptance by COUNTY of the additional cost associated with the change order. COUNTY further acknowledges that CITY will suffer financial loss if the PROJECT is not completed in accordance with the PROJECT contract because of COUNTY's failure to timely cooperate in the processing of change orders. Accordingly, the Parties agree that if COUNTY has not responded to any change order related request from CITY within fourteen (14) days after COUNTY's receipt of such request, COUNTY will be deemed to have accepted the terms of such change order as specified by CITY in its request, including, without limitation, the amount of additional cost associated with such change order, and, therefore, CITY will proceed with incorporating such change order into the work necessary for the UTILITIES RELOCATION as provided herein.

XII. MISCELLANEOUS.

A. **Entire Agreement; Counterparts**. This IGA may be executed by the Parties in counterparts, each of which shall constitute an original. This IGA, including the attached exhibits, sets forth the entire understanding between the Parties and supersedes all previous agreements and understandings between them, oral or written, and may be amended only in a document executed by both Parties. No amendment, modification, termination, or waiver of any provision of this IGA, nor any other departure consented to by the Parties, shall be effective unless the same is in writing and signed by COUNTY and CITY, and then such

waiver or consent shall be effective only in the specific instance and for the specific purpose for which it is given.

B. **Governing Law**. This IGA and the Parties' rights and obligations hereunder, shall be governed by, and construed and enforced in accordance with, the laws of the State of Georgia, without regard to any conflict of laws rules.

C. **Sovereign Immunity.** Nothing herein shall be construed as a waiver of either Party's sovereign immunity as a governmental body or waiver of any governmental immunities available to its officers, officials, employees, or agents.

D. **Representations and Warranties of the Parties**. In furtherance of the public purposes of this IGA, COUNTY and CITY hereby represent and warrant to each other (which representations and warranties shall be deemed independently material notwithstanding any prior inquiries) the following:

1. **Authority**. Each Party hereto expressly represents and warrants that (i) it has the power to make, deliver and perform this IGA, and has taken all necessary action to authorize the execution, delivery and performance of this IGA; (ii) upon execution this IGA will constitute the valid obligations with respect to each Party, legally binding upon the same and enforceable in accordance with the terms hereof; and (iii) no further consent or approval of any other Party not specifically mentioned herein is required in connection with the execution, delivery, performance, validity and enforcement of this IGA. Without limiting the generality of the foregoing, each Party hereby expressly acknowledges and represents that it has officially adopted and otherwise approved this IGA at a meeting of its governing authority in accordance with the Constitution and laws of the State of Georgia, to include, without limitation, the Georgia Open Meetings Act, O.C.G.A. 50-14-1, *et seq.*

2. **Public Purpose**. This IGA and the services contemplated herein are for the public welfare and benefit and are undertaken in accordance with the laws and Constitution of the State of Georgia. Without limiting the generality of the foregoing, the Parties specifically and expressly warrant and represent, and do hereby find, that this IGA (i) pertains to the provision of services and activities which the Parties are by law authorized to undertake and provide; (ii) is otherwise authorized under the Intergovernmental Contracts Clause of the Georgia Constitution of 1983, Art. IX, Sec. III, Par. 1(a); and (iii) does not authorize the creation of new debt as contemplated by Ga. Const. of 1983, Art. IX, Sec. V. Par. I(a).

E. **Assignment; Binding Effect**. The rights and obligations of the Parties under this IGA are personal and may not be assigned without the prior written consent of both COUNTY and

CITY. Subject to the foregoing, this IGA shall be binding upon and enforceable against, and shall inure to the benefit of, the parties hereto and their respective successors and permitted assigns.

F. **No Third-Party Beneficiaries**. This IGA is made between and limited to COUNTY and CITY, and is not intended, and shall in no event be construed to be, for the benefit of any other person or entity, and no other person or entity shall be considered a third-party beneficiary by virtue of this IGA or otherwise entitled to enforce the terms of this IGA for any reason whatsoever.

G. **Exhibits**. Each and every exhibit referred to in this IGA is attached to this IGA and is and shall be construed to be made a part of this IGA by such reference or other mention at each point at which such reference occurs, in the same manner and with the same effect as if each exhibit were set forth in full and at length every time it is referred to or otherwise mentioned.

H. **Relationship of Parties**. Notwithstanding anything in this IGA to the contrary, neither Party shall have the power to bind nor obligate the other Party except as expressly set forth in this IGA.

I. **Notices**. Any notice or communication required or permitted under this IGA shall be in writing and shall be deemed received when: i) delivered in person, ii) upon actual delivery when sent by national overnight express commercial carrier, or iii) on the third day after the postmark date when mailed by certified mail, return receipt requested, to the Party at the address given below.

TO COUNTY:

Abul K. Howlader
Engineering Administrator
Department of Public Works
141 Pryor Street, S.W., Suite 6001
Atlanta, Ga 30303

Copy to:

County Attorney
Office of the County Attorney
141 Pryor Street, S.W., Suite 4038
Atlanta, Ga 30303

TO CITY:

Pete Sewczwicz
Director
City of Alpharetta Department of Public Works
1790 Hembree Road
Alpharetta, Georgia 30009

Copy to:

Jarrard & Davis, LLP
222 Webb Street
Cumming, Georgia 30040
Attention: Molly Esswein, Esq.

J. **Severability.** If any provision of this IGA shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.

[SIGNATURES FOLLOW ON NEXT PAGE]

IN WITNESS WHEREOF, the Parties, by and through their duly authorized representatives, have executed this IGA to be effective as of the date first set forth above.

CITY OF ALPHARETTA, GEORGIA

By: _____
Jim Gilvin
Mayor

Attest:

By: _____
Lauren Shapiro
City Clerk

Approved as to Substance:

By: _____
Pete Sewczwicz, Director of Public Works

Approved as to Form:

By: _____
Molly Esswein, City Attorney

FULTON COUNTY, GEORGIA

By: _____
Robert L. Pitts, Chairman
Board of Commissioners

Attest:

By: _____
Tonya R. Grier
Clerk to the Commission

Approved as to Form:

By: _____
Y. Soo Jo, County Attorney
Office of the County Attorney

EXHIBIT "A"

[ATTACH PLANS AND SPECIFICATIONS FOR THE UTILITIES RELOCATION]



THE CITY OF ALPHARETTA
PUBLIC WORKS

WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 3

NOVEMBER 22, 2022

0 50' 100'

NORTH

SHEET 1 OF 5

PROPOSED PEDESTRIAN LIGHTING

MAINTAIN EXISTING LANDSCAPE AND 6' SIDEWALK

APPROXIMATE TRAVEL LANE WIDTH - 10.5'
APPROXIMATE BIKE LANE WIDTH - 4'

BEGIN PROPOSED CURB AND GUTTER

BEGIN PROPOSED CURB AND GUTTER

CONSTRUCT 10' MULTI-USE TRAIL WITH 6' WIDE PLANTINGAREA AND PEDESTRIAN LIGHTING (APPROX +/-90' SPACING)

ALPHARETTA HIGH SCHOOL

WEBB BRIDGE ROAD

STRATH DRIVE

RAIDERS

PROPOSED WORK

- CONCRETE SIDEWALK OR CURB AND GUTTER
- ASPHALT
- BRICK AREA
- LANDSCAPE AREA
- PEDESTRIAN LIGHTING

THE CITY OF ALPHARETTA
PUBLIC WORKS

WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 3

NOVEMBER 22, 2022

0 50' 100'

NORTH

SHEET 2 OF 5



THE CITY OF ALPHARETTA
PUBLIC WORKS

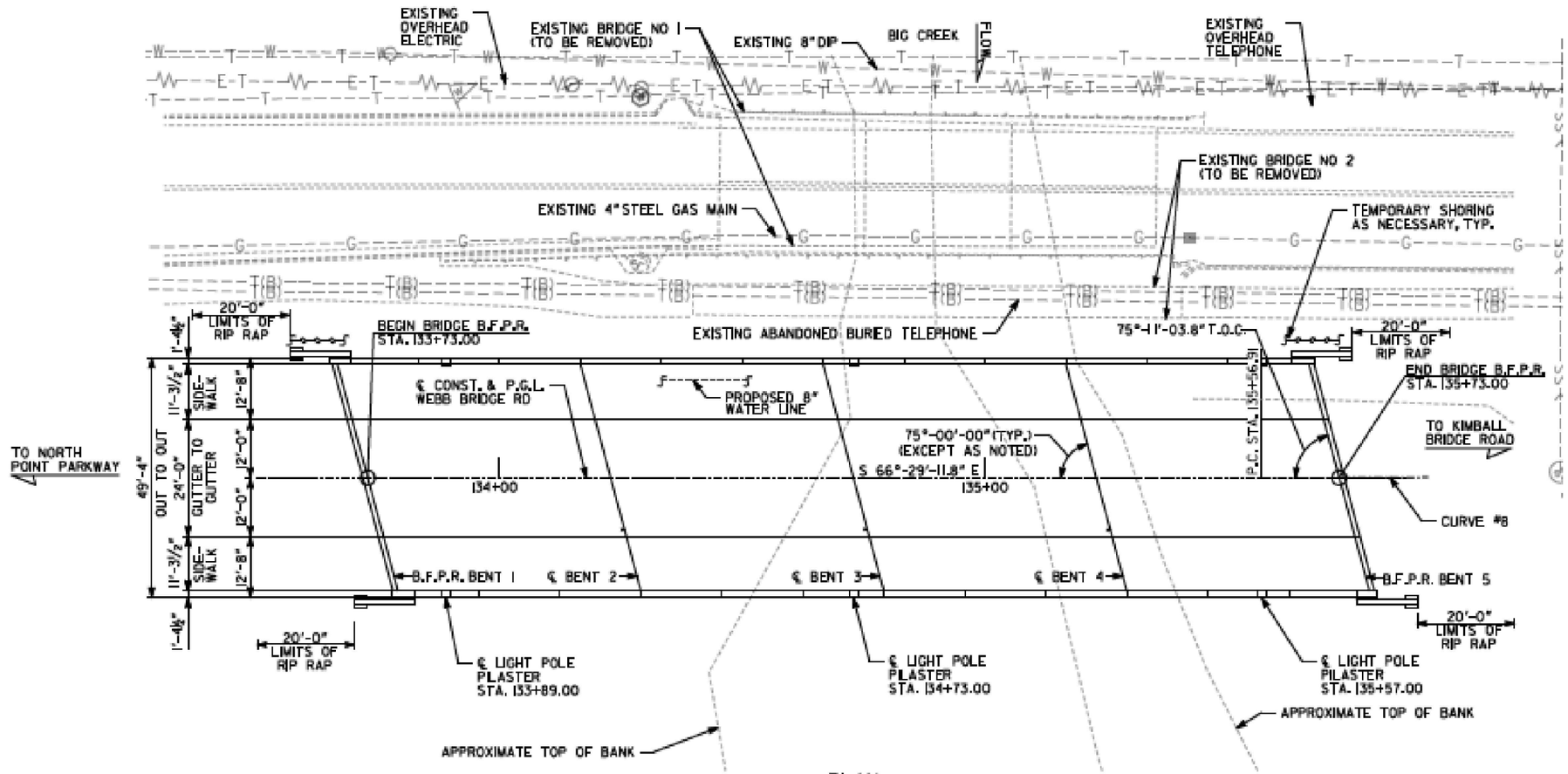
WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 3

NOVEMBER 22, 2022

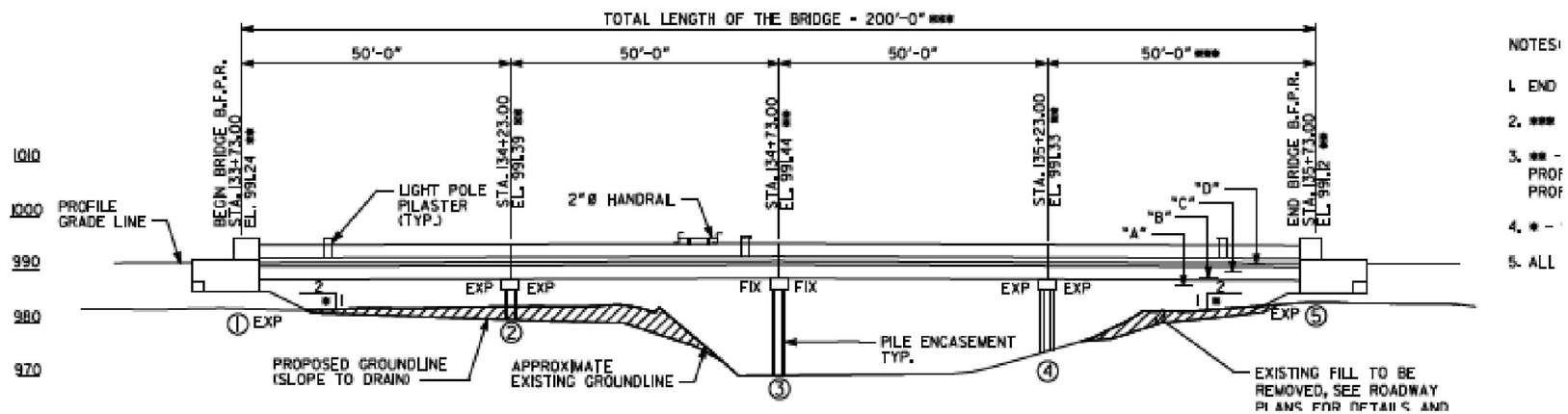
0 50' 100'

NORTH

SHEET 3 OF 5



PLAN



NOTES:

1. END
2. ***
3. ** - PROF PROF
4. * -
5. ALL

THE CITY OF ALPHARETTA PUBLIC WORKS

NOVEMBER 22, 2022

WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 3



THE CITY OF ALPHARETTA PUBLIC WORKS	WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 3		SHEET 5 OF 5
	NOVEMBER 22, 2022		

STAFF REPORT

Submitting Department: Public Works
Submitted By: Arash Moradkhani
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: CONTRACT AWARD: WEBB BRIDGE ROAD MAID MARION CLOSE TO WEBB BRIDGE PARK CONSTRUCTION

APPROVAL OF THE AWARD OF ITB 23-002 TO SOL CONSTRUCTION, LLC FOR THE CONSTRUCTION OF WEBB BRIDGE ROAD FROM MAID MARION CLOSE TO WEBB BRIDGE PARK IN AN AMOUNT NOT TO EXCEED $3,994,545.00 AND TO AUTHORIZE THE MAYOR TO EXECUTE ALL NECESSARY DOCUMENTS.

II. RECOMMENDATION:

Award ITB 23-002 to Sol Construction, LLC for the construction of Webb Bridge Road from Maid Marion Close to Webb Bridge Park in an amount not to exceed $3,994,545.00 and authorize the Mayor to execute all necessary documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: YES FISCAL IMPACT: YES

INCLUDED IN CURRENT FY CPTL BUDGET: YES INCLUDED IN CURRENT FY OPRT. BUDGET: NO

TOTAL PROJECT COST: $3,994,545.00

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
WBR PH2 Roundabout-Park (TSPLOST; 33541100-541410-C2229)	$3,994,545.00

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
N/A	$0.00

IV. REPORT IN BRIEF:

Background:

The Webb Bridge Road Improvement Project is a project designed to advance Webb Bridge Road's role as a residential collector corridor through a design that reduces vehicular speeds and elevating operational safety while also providing enhanced pedestrian, bicycle, and landscape amenities. The project includes the addition of a roundabout at the intersection of Webb Bridge Road and Webb Bridge Way and the replacement of the bridge over Big Creek.

The overall project stretches from Webb Bridge Way westward to Morris Road but is divided into multiple phases and funding is in TSPLOST 1 and 2; (1) Extending the Culvert/Tunnel and access to Big Creek Greenway from Webb Bridge Road, (2a) Roundabout to Webb Bridge Park, (2b) Roundabout to Big Creek Greenway, (3) Big Creek Greenway to North Point Parkway, and (4) Morris Road to North Point Parkway. Phases 1 and 2 are funded through TSPLOST 1, while Phases 3 and 4 are funded through TSPLOST 2.Phase 1 has been constructed and accepted by the City. Phase 1 was constructed earlier than the other phases to permit Big Creek Greenway to remain open predominately through construction. .

The Webb Bridge Road Improvement Project began in 2016 with a series of public input sessions and design charettes through which residents, especially those living along the corridor, guided development of the initial design concepts. Those concepts were the basis of the final design plans for Phases 1 and 2 of the project developed by Pond and Company under contract with the City.

Overview: Phase 2a Construction (Roundabout To Webb Bridge Park)
The item under consideration is the award of a contract for construction of the Phase 2 section of the Webb Bridge Road Improvement Project, which includes the span running from the intersection with Maid Marion Close to Webb Bridge Park and includes construction of the new roundabout at the current intersection of Webb Bridge Road and Webb Bridge Way. The total length of this section is approximately 0.4 mile.

As illustrated in the attached exhibit, the construction project will provide:

- Construction of a roundabout at the intersection of Webb Bridge Road and Webb Bridge Way

- Webb Bridge Road west of the roundabout will feature
    1. Two travel lanes, each approximately 10.5 feet in width
    2. 4-foot wide bike lane
    3. 10-foot wide sidewalks on both sides of the road
    4. 6-foot wide planting areas on both sides of the road
    5. Pedestrian lighting at +/-90-foot spacing on both sides of road

- Webb Bridge Road east of the roundabout will feature
    1. Two travel lanes, each approximately 10.5 feet in width
    2. 10-foot sidewalk and 2-foot wide planting strip on the north side
    3. Existing sidewalk and planting strip maintained on south side
    4. Pedestrian lighting at +/-90-foot spacing on north side of road

- Webb Bridge Way will feature
    1. Two travel lanes, each approximately 10 feet in width
    2. 8-foot wide sidewalk and 2-foot to 6-foot wide planting strip on the south side of road
    3. Existing sidewalk and planting strip maintained on north side of road
    4. Pedestrian lighting at +/-90-foot spacing on south side of road

It is important to note that the installation of landscaping is not included as part of this contract. Rather, a separate contract for landscape installation by the City's on-call landscape contractor will be presented for consideration by Mayor and Council at a later date. Experience from past projects has proven that having the same company that maintains the City's landscaping install the landscape elements of our projects results in a better product and avoids claims that any poor performance is the result of plantings being improperly installed.

Project construction is anticipated to take 18 months from the issuance of a notice to proceed.

Procurement And Project Bid Process:
Procurement for this project was initiated through Invitation to Bid (ITB 23-002), which was issued on September 29, 2022 with a response deadline of October 27, 2022. A total of four proposals were received in response to this invitation:

Company/Bidder	**Proposed Price**
Sol Construction	$ 3,994,545.00
Summit Construction & Development	$ 4,034,591.63
Construction Management Consulting (CMC)	$ 4,412,235.65
Construction Management & Engineering Services (CMES)	$ 4,951,568.44

After evaluation and verifying the submitted bids, staff from the Public Works Department met with representatives of Sol Construction (Sol), as the low bidder, on Tuesday November 8, 2022. The project scope,

schedule, and bid package as submitted by Sol were discussed with the contractor during the meeting.

Sol is an experienced contractor that has successfully completed similar projects for agencies including the Georgia Department of Transportation (GDOT) and multiple local governments. Additionally, the firm recently completed the Windward Parkway Widening Project in Alpharetta.

V. ALTERNATIVES:

Do not approve and the construction services will not be procured.

VI. ATTACHMENTS:

WBR Intersection Improvements Maid Marion + Webb Bridge, Sol Contractors Contract, Sol_Bid, Design Illustrations

CONSTRUCTION SERVICES AGREEMENT

WEBB BRIDGE ROAD INTERSECTION IMPROVEMENTS – MAID MARION CLOSE TO WEBB BRIDGE PARK

This Construction Services Agreement (the "Agreement") is made and entered into on _____ (date) (the "Effective Date"), by and between the **CITY OF ALPHARETTA, GEORGIA**, a municipal corporation of the State of Georgia, acting by and through its governing authority, the Mayor and Alpharetta City Council (hereinafter referred to as the "City"), and **SOL CONSTRUCTION LLC**, a Georgia limited liability corporation (hereinafter referred to as the "Contractor"), collectively referred to herein as the "Parties".

W I T N E S S E T H:

WHEREAS, the City desires to retain a contractor to perform services for the construction of a Project, as defined below; and

WHEREAS, the City solicited bids from qualified proponents for construction of the Project pursuant to Invitation to Bid ("ITB") 23-002, copy of which is attached hereto as **Exhibit A** and incorporated herein by reference; and

WHEREAS, the Contractor submitted a complete and timely bid in response to ITB 23-002, a copy of which is attached hereto as **Exhibit B** and incorporated herein by reference, which bid was determined by the City to meet all bid requirements such that the City awarded ITB 23-002 to the Contractor; and

WHEREAS, the City finds that specialized knowledge, skills, and training are necessary to perform the Work (defined below) contemplated under this Agreement; and

WHEREAS, the Contractor has represented that it is qualified by training and experience to perform the Work; and

WHEREAS, based upon the Contractor's bid, the City has selected the Contractor as the successful proponent, and

WHEREAS, the Contractor desires to perform the Work as set forth in this Agreement under the terms and conditions provided in this Agreement; and

WHEREAS, the public interest will be served by this Agreement; and

WHEREAS, the Contractor has familiarized itself with the nature and extent of the Contract Documents, the Project, and the Work, and with all local conditions and federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of Work, and the Contractor is aware that it must be licensed to do business in the State of Georgia.

NOW THEREFORE, for and in consideration of the mutual promises, the public purposes, and the acknowledgements and agreements contained herein and other good and adequate consideration, the sufficiency of which is hereby acknowledged, the Parties hereto do mutually agree as follows:

Section 1. Contract Documents

This Agreement along with the following documents, attached hereto (except as expressly noted otherwise below) and incorporated herein by reference, constitute the "Contract Documents":

A. City's ITB 23-002, attached hereto as **Exhibit A**;

1. Forms of Performance Bond and Payment Bond, included within **Exhibit A**;

2. Forms of Subcontractor Affidavits (E-Verify), included within **Exhibit A**;

B. Bid Response Documents from Contractor, attached hereto as **Exhibit B**;

1. Completed Contractor Affidavit (E-Verify), included within **Exhibit B**;

C. Scope of Work, included in **Exhibit C**;

D. Additional Payment/Retainage Requirements, attached hereto as **Exhibit D**;

E. The following, which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto: All Change Orders (defined in Section 6 below), other written amendments, and other documents amending, modifying, or supplementing the Contract Documents if properly adopted in writing and executed by the Parties.

Section 2. Project Description; Contract Administrator

A. Project. A general description of the Project is as follows: **WEBB BRIDGE ROAD INTERSECTION IMPROVEMENTS - MAID MARION CLOSE TO WEBB BRIDGE PARK**, includes, but is not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, construction of a roundabout at Webb Bridge Road and Webb Bridge Way, installation of pedestrian lighting, installation of landscaping, and related work. The location of the work is along Webb Bridge Road between Maid Marion Close and Webb Bridge Park within the City of Alpharetta, Georgia.

B. Contract Administrator; Project Manager. The City shall be the Contract Administrator for this Agreement. The City's Project and Construction Manager for this contract is Scott Campbell.

Section 3. The Work

A. The Work. The Work to be completed under this Agreement (the "Work") includes, but shall not be limited to, the work described in the Scope of Work provided in Contract Documents, attached hereto and incorporated herein by reference. The Work includes all material, labor, insurance, tools, equipment, machinery, water, heat, utilities, transportation, facilities, services and any other miscellaneous items and work reasonably inferable from the Contract Documents. The term "reasonably inferable" takes into consideration the understanding of the Parties that some details necessary for proper execution and completion of the Work may not be shown on the drawings or included in the specifications or Scope of Work, but they are a requirement of the Work if they are a usual and customary component of the Work or are otherwise necessary for proper and complete installation and operation of the Work. Contractor shall complete the Work in strict accordance with the Contract Documents. In the event of any discrepancy among the terms of the various Contract Documents, the provision most beneficial to the City, as determined by the City in its sole discretion, shall govern.

B. Notice to Proceed. The City will issue a Notice to Proceed, which Notice to Proceed shall state the dates for beginning Work ("Commencement Date") and the Expected Date of Final Completion (defined in Section 4(A) below). Unless otherwise approved, the Contractor shall perform its obligations under this Agreement as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Work.

C. Shop Drawings, Product Data, and Samples. Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents, but must be in conformity therewith. The purpose of their submittal is to demonstrate, for those portions of the Work for which submittals are required by the Contract Documents, the way by which the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents.

(i) "Shop Drawings" are drawings, diagrams, schedules and other data specifically prepared for the Work by the Contractor or a subcontractor, sub-subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

(ii) "Product Data" are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

(iii) "Samples" are physical examples that illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

The Contractor shall review for compliance with the Contract Documents and shall

approve and submit to the Contract Administrator Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the City or of separate contractors. By approving and submitting Shop Drawings, Product Data, Samples and similar submittals, the Contractor represents that the Contractor has determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents. Submittals which are not marked as reviewed for compliance with the Contract Documents and approved by the Contractor may be returned by the Contract Administrator without action. The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been approved in writing by the Contract Administrator, provided that submittals that are not required by the Contract Documents may be returned without action.

The Work shall be completed in accordance with approved submittals, provided that the Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Contract Administrator's approval of Shop Drawings, Product Data, Samples or similar submittals, unless the Contractor has specifically informed the Contract Administrator in writing of such deviation at the time of submittal and (1) the Contract Administrator has given written approval to the specific deviation as a minor change in the Work, or (2) a written Change Order has been issued and approved to authorize the deviation. The Contract Administrator's approval of the Shop Drawings, Product Data, Samples or similar submittals shall not relieve the Contractor of responsibility for errors or omissions therein.

The Contractor shall, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, direct the Contract Administrator's attention to any additional revisions included other than those requested by the Contract Administrator on previous submittals. In the absence of such written notice drawing the Contract Administrator's attention to such additional revisions, the Contract Administrator's approval of a resubmission shall not apply to such additional revisions.

The Contractor shall maintain at the Project site(s) one record copy of the Contract Documents in good order and marked currently to record field changes and selections made during construction and one record copy of approved Shop Drawings, Product Data, Samples and similar required submittals. These documents shall be available to the City and Contract Administrator and shall be delivered to the Contract Administrator or City upon completion of the Work.

Section 4. **Contract Term; Liquidated Damages; Expedited Completion; Partial Occupancy or Use**

A. Contract Term. Contractor shall promptly commence the Work with adequate force and equipment within ten (10) calendar days from receipt of the Notice to Proceed, or as otherwise specified in the Notice to Proceed, continuously pursue the Work without interruption to completion, and fully complete the Work (i.e., achieve final completion) within **FIVE HUNDRED FORTY (540) CALENDAR DAYS** following Contractor's receipt of the Notice to Proceed (the "Expected Date of Final Completion").

The Parties agree that this Agreement, as required by O.C.G.A. § 36-60-13, shall terminate absolutely and without further obligation on the part of the City on December 31 each calendar year of the Term, and further, that this Agreement shall automatically renew on January 1 of each subsequent calendar year absent the City's provision of written notice of non-renewal to Contractor at least five (5) calendar days prior to the end of the then current calendar year. Title to any supplies, materials, equipment, or other personal property shall remain in Contractor until fully paid for by the City.

B. Time is of the Essence; Liquidated Damages. Contractor specifically acknowledges that TIME IS OF THE ESSENCE of this Agreement and that City will suffer financial loss if the Work is not completed in accordance with the deadlines specified in Section 4(A) above and within the Contract Documents. The City and Contractor also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the City if the Work is not completed within the specified times. In accordance with Georgia Department of Transportation Standard Specifications Construction 2021, Section 108.08, if Contractor fails to achieve Substantial Completion and/or Final Completion within five hundred forty (540) calendar days from Contractor's receipt of the Notice to Proceed, Contractor shall be liable to the City for the sum of **$638.00 per day** for each and every calendar day of unexcused delay in achieving Substantial Completion beyond five hundred forty (540) calendar days from receipt of the Notice to Proceed; and **$638.00 per day** for each and every calendar day of unexcused delay in achieving Final Completion beyond five hundred forty (540) calendar days from receipt of the Notice to Proceed, as applicable. Any sums due and payable hereunder by Contractor shall be payable, not as a penalty, but as liquidated damages representing a reasonable pre-estimate of delay damages likely to be sustained by the City for any such breach, as it is mutually agreed that any such actual and consequential damages incurred by the City for such breach would otherwise be difficult to ascertain.

C. Expediting Completion. The Contractor is accountable for completing the Work within the time period provided in the Contract Documents. If, in the judgment of the City, the Work is behind schedule and the rate of placement of work is inadequate to regain scheduled progress to ensure timely completion of the entire

Work or a separable portion thereof, the Contractor, when so informed by the City, shall immediately take action to increase the rate of work placement by:

(1) An increase in working forces;
(2) An increase in equipment or tools;
(3) An increase in hours of work or number of shifts;
(4) Expediting delivery of materials; and/or
(5) Other action proposed if acceptable to City.

Within five (5) calendar days after such notice from City that the Work is behind schedule, the Contractor shall notify the City in writing of the specific measures taken and/or planned to increase the rate of progress. The Contractor shall include an estimate as to the date of scheduled progress recovery. Should the City deem the plan of action inadequate, the Contractor shall take additional steps to make adjustments as necessary to its plan of action until it meets with the City's approval and such approval is provided in writing by the City.

D. Partial Occupancy or Use. The City may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement between the City and Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Work. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the City and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. Immediately prior to such partial occupancy or use, the City, Contractor and Contract Administrator shall jointly inspect the area to be occupied, or portion of the Work to be used, in order to determine and record the condition of the Work. Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

Section 5. Contractor's Compensation; Time and Method of Payment

A. Maximum Contract Price. For Contractor's performance and completion of the Project, the City shall pay Contractor a fee in accordance with the unit costs established in Contractor's Bid and as finally awarded by the City for a total sum not to exceed **THREE MILLION, NINE HUNDRED NINETY-FOUR THOUSAND, FIVE HUNDRED FORTY-FIVE DOLLARS AND 00/100 ($3,994,545.00)** (the "Maximum Contract Price"). At Contractor's own cost and expense, Contractor shall furnish all materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories and services necessary or convenient to the successful completion of the Project and the carrying

out of all duties and obligations in accordance with the terms and conditions set forth in ITB 23-002, including any addenda thereto, Contractor's bid response, the General Conditions, as modified by the Supplementary Conditions, the Plans and Specifications and/or Technical Specifications, including all explanatory matter thereof, as prepared by the City, and any other documents forming the Contract Documents as enumerated in the General Conditions, all of which are made a part hereof and collectively constitute the Contract (the "Work"). Contractor represents that the Maximum Contract Price is sufficient to perform all of the Work set forth in and contemplated by this Agreement.

B. Additional Payment/Retainage Requirements. Additional payment and retainage requirements are included as **Exhibit D**, attached hereto and incorporated herein by reference.

C. Material Deviations. Any material deviations in tests or inspections performed, or times or locations required to complete such tests or inspections, and like deviations from the Work described in this Agreement shall be clearly communicated to the City *before* charges are incurred and shall be handled through written Change Orders, as described in Section 6 below. Whenever the Contract Administrator considers it necessary or advisable, it shall have authority to require inspection or testing of the Work. However, neither this authority of the Contract Administrator nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Contract Administrator to the Contractor, subcontractors, material and equipment suppliers, their agents or employees, or other persons or entities performing portions of the Work.

D. Taxes. The City is a governmental tax-exempt entity and shall not be responsible for paying any taxes on any materials or services provided for herein. At Contractor's request, City shall provide evidence of its tax-exempt status. To the extent, if any, that the City furnishes tangible personal property to Contractor for incorporation into the Project, Contractor shall be responsible for paying the amount of tax owed for such tangible personal property.

Section 6. Change Orders

A. Change Order Defined. A "Change Order" means a written modification of the Contract Documents, signed by representatives of the City and the Contractor with appropriate authorization.

B. Right to Order Changes. The City reserves the right to order changes in the Work to be performed under this Agreement by altering, adding to, or deducting from the Work. All such changes shall be incorporated in written Change Orders and executed by the Contractor and the City. Such Change Orders shall specify the changes ordered and any necessary adjustment of compensation and completion time. If the Parties cannot reach an agreement on the terms for performing the changed work within a reasonable time to avoid delay or other unfavorable impacts

as determined by the City in its sole discretion, the City shall have the right to determine reasonable terms, and the Contractor shall proceed with the changed work.

C. Change Order Requirement. Any work added to the scope of this Agreement by a Change Order shall be executed under all the applicable conditions of this Agreement. No claim for additional compensation or extension of time shall be recognized, unless contained in a written Change Order duly executed on behalf of the City and the Contractor.

D. Authority to Execute Change Order. The authority to execute a change order on behalf of the City shall be in accordance with the City's Procurement Policy, as may be amended from time to time.

E. Minor Changes in the Work. The Contract Administrator will have the authority to order minor changes in the Work not involving adjustment in the Maximum Contract Price or extension of the Term and not inconsistent with the intent of the Contract Documents. Such changes shall be effected by written order signed by the Contract Administrator. The Contractor shall carry out such written orders promptly. If the minor changes subsequently may affect adjustments in the Maximum Contract Price or the Term, the changes shall then be converted to a written Change Order by the requesting Party.

Section 7. Covenants of Contractor

A. Ethics Code; Conflict of Interest.

(i) Contractor agrees that it shall not engage in any activity or conduct that would result in a violation of the City of Alpharetta Code of Ethics or any other similar law or regulation. Contractor certifies that to the best of his knowledge no circumstances exist which will cause a conflict of interest in performing the Work. Should Contractor become aware of any circumstances that may cause a conflict of interest during the Term of this Agreement, Contractor shall immediately notify the City. If the City determines that a conflict of interest exists, the City may require that Contractor take action to remedy the conflict of interest or terminate the Agreement without liability. The City shall have the right to recover any fees paid for services rendered by Contractor when such services were performed while a conflict of interest existed if Contractor had knowledge of the conflict of interest and did not notify the City within five (5) business days of becoming aware of the existence of the conflict of interest.

(ii) Contractor and the City acknowledge that it is prohibited for any person to offer, give, or agree to give any City employee or official, or for any City employee or official to solicit, demand, accept, or agree to accept from another person, a gratuity of more than nominal value or rebate or an offer of

employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or bid therefor. The Contractor and the City further acknowledge that it is prohibited for any payment, gratuity, or offer of employment to be made by or on behalf of a sub-consultant under a contract to the prime Contractor or higher tier sub-consultant, or any person associated therewith, as an inducement for the award of a subcontract or order.

B. Meetings. The Contractor is required to meet with the City's personnel, or designated representatives, to resolve technical or contractual problems that may occur during the Term of this Agreement at no additional cost to the City. Meetings will occur as problems arise and will be coordinated by the City or the Contract Administrator. The Contractor will be given a minimum of three (3) full business days' notice of meeting date, time, and location. Face-to-face meetings are desired. However, at the Contractor's option and expense, a conference call meeting may be substituted. Consistent failure to participate in problem resolution meetings, two consecutive missed or rescheduled meetings, or failure to make a good faith effort to resolve problems, may result in termination of the contract for cause.

C. Expertise of Contractor. Contractor accepts the relationship of trust and confidence established between it and the City, recognizing that the City's intention and purpose in entering into this Agreement is to engage an entity with the requisite capacity, experience, and professional skill and judgment to provide the Work in pursuit of the timely and competent completion of the Work undertaken by Contractor under this Agreement. The Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations and to further the interests of City and the Project in accordance with City's requirements and procedures, and Contractor shall employ only persons duly qualified in the appropriate area of expertise to perform the Work described in this Agreement.

D. Proper Execution by Contractor. Contractor agrees that it will perform its services in accordance with the usual and customary standards of the Contractor's profession or business and in compliance with all federal, state, and local laws, regulations, codes, ordinances, or orders applicable to the Project, including, but not limited to, O.C.G.A. § 50-5-63, any applicable records retention requirements, and Georgia's Open Records Act (O.C.G.A. § 50-18-70, *et seq.*). Any additional work or costs incurred as a result of error and/or omission by Contractor as a result of not complying with the Contract Documents or not meeting the applicable standard of care or quality, including but not limited to those of repeated procedures and compensation for the Contract Administrator's services or expenses, will be

provided at Contractor's expense and at no additional cost to the City. This provision shall survive termination of this Agreement.

It is the Contractor's responsibility to be reasonably aware of all applicable laws, statutes, ordinances, building codes, and rules and regulations. If the Contractor observes that portions of the Contract Documents are at variance therewith, the Contractor shall promptly notify the Contract Administrator and the City in writing of any portions of the Contract Documents that are at variance with the applicable laws, statutes, ordinances, building codes, and rules and regulations.

The Contractor's duties shall not be diminished by any approval by the City or Contract Administrator of Work completed or produced; nor shall any approval by the City or Contract Administrator of Work completed or produced release the Contractor from any liability therefor, it being understood that the City is ultimately relying upon the Contractor's skill and knowledge in performing the Work required under the Contract Documents.

Organization of the specifications into divisions, sections and articles, and arrangement of drawings shall not control the Contractor in dividing the Work among subcontractors or in establishing the extent of Work to be performed by any trade.

E. Familiarity with the Work.

(i) *Contractor Familiarity with Work.* Contractor represents that it has familiarized itself with the nature and extent of the Contract Documents, the Work, work site(s), locality, and all local conditions, laws and regulations that in any manner may affect cost, progress, performance, or furnishing of the Work. Since the Contract Documents are complementary, before starting each portion of the Work, the Contractor shall carefully study and compare the various Contract Documents, site conditions, authorities, tests, reports and studies relative to that portion of the Work, as well as the information furnished by the City, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the Project site(s) affecting it. Contractor represents and agrees that it has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents. These obligations are for the purpose of facilitating construction by the Contractor and are not for the purpose of discovering errors, omissions, inconsistencies, or ambiguities in the Contract Documents; however, any errors, inconsistencies, omissions, or ambiguities discovered by the Contractor shall be reported promptly to the Contract Administrator and City in writing. Contractor represents that it has given the City written notice of all errors, omissions, inconsistencies, or ambiguities that the Contractor has discovered in the Contract Documents so far, and the written

resolution thereof by the City is acceptable to the Contractor. Further, Contractor acknowledges that its obligation to give notice of all such errors, omissions, inconsistencies, or ambiguities shall be continuing during the Term of this Agreement. Any failure on the part of the Contractor to notify the Contract Administrator and City in writing of any errors, omissions, inconsistencies, or ambiguities in the Contract Documents that Contractor discovered or reasonably should have discovered shall result in a waiver and full release by the Contractor of any future arguments or defenses based on such errors, omissions, inconsistencies, or ambiguities against the City. Further, if the Contractor fails to perform its obligations pursuant to this paragraph, the Contractor shall pay such costs and damages to the City as would have been avoided if the Contractor had performed such obligations.

(ii) *Inspection of Prior Work.* If part of the Contractor's Work depends for proper execution or results upon construction or operations by a separate contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly report to the Contract Administrator apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of the Contractor so to report shall constitute an acknowledgment that the City's or separate contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work, except as to defects not then reasonably discoverable, and Contractor shall be responsible for all costs and damages resulting from its failure to report reasonably discoverable defects.

(iii) *Contractor Requests for Information*. If, with undue frequency (as determined by the City in its sole discretion), the Contractor requests information that is obtainable through reasonable examination and comparison of the Contract Documents, site conditions, and previous correspondence, interpretations or clarifications, the Contractor shall be liable to the City for reasonable charges from the Contract Administrator for the additional services required to review, research and respond to such requests for information.

F. Supervision, Inspection and Construction Procedures. The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Agreement, unless the Contract Documents give other specific instructions concerning these matters. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences or procedures, the Contractor shall evaluate the jobsite safety therefor and, except as stated below, shall be fully and solely responsible for the jobsite safety for such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely written notice to the City and Contract

Administrator and shall not proceed with that portion of the Work without further written instructions from the City or Contract Administrator as approved in writing by the City.

The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of this Agreement. The Contractor shall take reasonable precautions for the safety of, and shall provide reasonable protection to prevent damage, injury or loss to: (a) employees and other persons who may be affected, (b) the Work and materials and equipment to be incorporated therein, whether in storage on or off the Project site(s), under care, custody or control of the Contractor or Contractor's subcontractors or sub-subcontractors, and (c) other property at the Project site(s) or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction. The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.

When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel. If reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the Project site(s) by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and report the condition to the City and Contract Administrator in writing.

G. Tests and Inspections. Tests, inspections and approvals of portions of the Work required by the Contract Documents or by laws, or ordinances, rules, regulations or orders of public authorities having jurisdiction shall be made promptly at an appropriate time to avoid unreasonable delay in the Work. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the City, or with the appropriate public authority, and shall bear all related costs of tests, inspections and approvals. The Contractor shall give the Contract Administrator timely notice of when and where tests and inspections are to be made so that the Contract Administrator may be present for such procedures. Required permits or certificates of testing, inspection or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and delivered to the Contract Administrator within ten (10) calendar days of issuance.

H. Budgetary Limitations. Contractor agrees and acknowledges that budgetary limitations are not a justification for breach of sound principals of Contractor's profession and industry. Contractor shall take no calculated risk in the performance

of the Work. Specifically, Contractor agrees that, in the event it cannot perform the Work within the budgetary limitations established without disregarding sound principals of Contractor's profession and industry, Contractor will give written notice immediately to the City.

I. City's Reliance on the Work. The Contractor acknowledges and agrees that the City does not undertake to approve or pass upon matters of expertise of the Contractor and that therefore, the City bears no responsibility for Contractor's Work performed under this Agreement. The Contractor acknowledges and agrees that the acceptance of Work by the City is limited to the function of determining whether there has been compliance with what is required to be produced under this Agreement. The City will not, and need not, inquire into adequacy, fitness, suitability or correctness of Contractor's performance. Contractor further agrees that no approval of designs, plans, or specifications by any person, body, or agency shall relieve Contractor of the responsibility for adequacy, fitness, suitability, and correctness of Contractor's Work under professional and industry standards, or for performing services under this Agreement in accordance with sound and accepted professional and industry principles.

J. Contractor's Reliance on Submissions by the City. Contractor must have timely information and input from the City in order to perform the Work required under this Agreement. Contractor is entitled to rely upon information provided by the City, but Contractor shall be required to provide immediate written notice to the City if Contractor knows or reasonably should know that any information provided by the City is erroneous, inconsistent, or otherwise problematic.

K. Uncovering and Correction of Work. If a portion of the Work is covered contrary to the Contract Administrator's request or to requirements specifically expressed in the Contract Documents, it must, if required in writing by the Contract Administrator, be uncovered for examination by the Contract Administrator and be replaced at the Contractor's expense without change in the Agreement Term.

If a portion of the Work has been covered which the Contract Administrator has not specifically requested to examine prior to its being covered or which the Contract Documents did not require to remain uncovered until examined, the Contract Administrator may request to see such Work, and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, costs of uncovering and replacement shall, by appropriate Change Order, be at the City's expense, which expense shall be agreed upon in writing prior to being incurred. If such Work is not in accordance with the Contract Documents, correction shall be at the Contractor's expense, unless the condition was caused by the City, in which event the City shall be responsible for payment of such costs including reasonable charges, if any, by the Contract Administrator for additional service, which expense shall be agreed upon in writing prior to being incurred.

If the City prefers to accept Work that is not in accordance with the requirements

of the Contract Documents, the City may do so instead of requiring its removal and correction, in which case the Maximum Contract Price will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

L. Clean Up. Contractor shall keep the Project site(s) and surrounding area free from accumulation of waste materials or rubbish caused by operations under this Agreement. At completion of the Work, the Contractor shall remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials. The Contractor shall also restore any temporary easement areas to substantially their original condition (less any removed structures or vegetation for which the owner has been compensated). If the Contractor fails to clean up and remediate temporary easement areas as provided in the Contract Documents, the City may do so, and the cost thereof shall be charged to the Contractor.

M. Contractor's Representative. **JULIANA GOMEZ, President,** shall be authorized to act on Contractor's behalf with respect to the Work as Contractor's designated representative.

N. Independent Contractor. Contractor hereby covenants and declares that it is engaged in an independent business and agrees to perform the Work as an independent contractor and not as the agent or employee of the City. Nothing contained in this Agreement shall be construed to make the Contractor, or any of its employees, servants or subcontractors, an employee, servant or agent of the City for any purpose. The Contractor agrees to be solely responsible for its own matters relating to the time and place the Work is performed and the method used to perform such Work; the instrumentalities, tools, supplies, and/or materials necessary to complete the Work; hiring of subcontractors, agents, or employees to complete the Work; and the payment of employees, including benefits and compliance with Social Security, withholding, and all other regulations governing such matters. The Contractor agrees to be solely responsible for its own acts and those of its subordinates, employees, and subcontractors during the life of this Agreement. There shall be no contractual relationship between any subcontractor or supplier and the City by virtue of this Agreement with the Contractor. Any provisions of this Agreement that may appear to give the City the right to direct Contractor as to the details of the services to be performed by Contractor or to exercise a measure of control over such services will be deemed to mean that Contractor shall follow the directions of the City with regard to the results of such services only. It is further understood that this Agreement is not exclusive, and the City may hire additional entities to perform Work related to this Agreement.

Inasmuch as the City and the Contractor are independent of each other, neither has the authority to bind the other to any third person or otherwise to act in any way as the representative of the other, unless otherwise expressly agreed to in writing signed by both Parties hereto. The Contractor agrees not to represent itself as the

City's agent for any purpose to any party or to allow any employee of the Contractor to do so, unless specifically authorized, in advance and in writing, to do so, and then only for the limited purpose stated in such authorization. The Contractor shall assume full liability for any contracts or agreements the Contractor enters into on behalf of the City without the express knowledge and prior written consent of the City.

O. Responsibility of Contractor and Indemnification of City. The Contractor covenants and agrees to take and assume all responsibility for the Work rendered in connection with this Agreement. The Contractor shall bear all losses and damages directly or indirectly resulting to it and/or the City on account of the performance or character of the Work rendered pursuant to this Agreement. To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless the City and the City's elected and appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys and volunteers (individually an "Indemnified Party" and collectively "Indemnified Parties") from and against any and all claims, suits, actions, judgments, injuries, damages, losses, costs, expenses and liability of any kind whatsoever, including, but not limited to, attorney's fees and costs of defense ("Liabilities"), which may arise from or be the result of alleged willful, negligent, or tortious act or omission arising out of the Work, performance of contracted services, or operations by the Contractor, any subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts the Contractor or subcontractor may be liable, regardless of whether or not the act or omission is caused in part by a party indemnified hereunder. This indemnity obligation does not include Liabilities caused by or resulting from the sole negligence of an Indemnified Party. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this provision.

In any and all claims against an Indemnified Party, by any employee of the Contractor, its subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts the Contractor or subcontractor may be liable, the indemnification obligation set forth in this provision shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or any subcontractor under workers' or workmen's compensation acts, disability benefit acts, or other employee benefit acts. This obligation to indemnify, defend, and hold harmless the Indemnified Party(ies) shall survive expiration or termination of this Agreement, provided that the claims are based upon or arise out of actions or omissions that occurred during the performance of this Agreement.

P. Insurance.

(1) Requirements: The Contractor shall have and maintain in full force and effect for the duration of this Agreement, insurance insuring against claims

for injuries to persons or damages to property which may arise from or in connection with the performance of the Work by the Contractor, its agents, representatives, employees or subcontractors. All policies shall be subject to approval by the City as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the City Administrator.

(2) Minimum Limits of Insurance: Contractor shall maintain the following insurance policies with coverage and limits no less than:

(a) *Commercial General Liability*: $2,000,000 (two million dollars) combined single limit per occurrence aggregate comprehensive/ extended/enhanced Commercial General Liability policy with coverage including bodily and personal injury, sickness, disease or death, injury to or destruction of property, including loss of use resulting therefrom, damage to premises/operations, products/ completed operations, independent consultants and contractual liability (specifically covering the indemnity), broad-from property damage, and underground, explosion and collapse hazard. This coverage may be achieved by using an excess or umbrella policy. The policy or policies must be on "an occurrence" basis ("claims made" coverage is not acceptable). If a general aggregate limit applies, the general aggregate limit shall apply separately to this project/location, and the general aggregate limit shall be twice the required occurrence limit.

(b) *Commercial Automobile Liability (owned, non-owned, hired)*: $1,000,000 (one million dollars) for bodily or personal injury liability (including sickness, disease or death) and $100,000 (one hundred thousand dollars) for property damage liability (including destruction of property), combined single limit per occurrence aggregate comprehensive Commercial Automobile liability coverage (owned, non-owned, hired), including loss of use resulting therefrom.

(c) *Workers' Compensation and Employers' Liability*: Workers' Compensation policy with limits as required by the State of Georgia and Employers' Liability limits of $500,000 (five hundred thousand dollars) per occurrence or disease, per employee.

(d) *Builder's Risk Insurance*: Contractor shall provide a Builder's Risk Insurance Policy to be made payable to the City and Contractor, as their interests may appear. The policy amount shall be equal to 100% of the Maximum Contract Price, written on a Builder's Risk "All Risk," or its equivalent. The policy shall provide, or be endorsed to provide, as follows: "The following may occur without

diminishing, changing, altering or otherwise affecting the coverage and protection afforded the insured under this policy: i) Equipment may be delivered to the insured premises and installed in place ready for use; and ii) Partial or complete occupancy by City; and iii) Performance of Work in connection with construction operations insured by the City, by its agents or lessees, or other contractors of the City or using agency." The insurance coverage shall include extended coverage, and providing coverage for transit, with sub-limits sufficient to insure the full replacement value of the property or equipment removed from its site and while located away from its site until the date of final acceptance of the Work.

(e) *Commercial Umbrella Liability Coverage*: $5,000,000 (five million dollars) per occurrence and in the aggregate shall be provided and will apply over all liability policies, without exception, including but not limited to Commercial General Liability, Commercial Automobile Liability, and Employers' Liability.

(3) Deductibles and Self-Insured Retentions: Any deductibles or self-insured retentions must be declared to and approved by the City in writing so that the City may ensure the financial solvency of the Contractor; self-insured retentions should be included on the certificate of insurance.

(4) Other Insurance Provisions: Each policy shall contain, or be endorsed to contain, the following provisions respectively:

(a) General Liability, Automobile Liability and (if applicable) Umbrella Liability Coverage.

(i) *Additional Insured Requirement*. The City and City's elected and appointed officials, officers, boards, commissioners, employees, representatives, consultants, servants, agents and volunteers (individually "Insured Party" and collectively "Insured Parties") shall be named as additional insureds as respects: liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, leased, or used by the Contractor; automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Insured Parties. Nothing contained in this section shall be construed to require the Contractor to provide liability insurance coverage to any Insured Party for claims asserted against such Insured Party for its sole negligence.

(ii) *Primary Insurance Requirement*. The Contractor's insurance coverage shall be primary noncontributing insurance as respects to any other insurance or self-insurance available to the Insured Parties. Any insurance or self-insurance maintained by the Insured Parties shall be in excess of the Contractor's insurance and shall not contribute with it.

(iii) *Reporting Requirement*. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Insured Parties.

(iv) *Separate Coverage*. Coverage shall state that the Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to limits of insurance provided.

(v) *Defense Costs/Cross Liability*. Coverage shall be provided on a "pay on behalf" basis, with defense costs payable in addition to policy limits. There shall be no cross-liability exclusion.

(vi) *Subrogation*. The insurer shall agree to waive all rights of subrogation against the Insured Parties for losses arising from Work performed by the Contractor for the City.

(b) Workers' Compensation Coverage: The insurer providing Workers' Compensation Coverage will agree to waive all rights of subrogation against the Insured Parties for losses arising from Work performed by the Contractor for the City.

(c) All Coverages:

(i) *Notice Requirement*. Each insurance policy required by this Agreement shall be endorsed to state that coverage shall not be reduced, suspended, voided, or canceled except after thirty (30) calendar days prior written notice (or 10 calendar days if due to non-payment) has been given to the City. The City reserves the right to accept alternate notice terms and provisions, provided they meet the minimum requirements under Georgia law.

(ii) *Starting and Ending Dates*. Policies shall have concurrent starting and ending dates.

(iii) *Incorporation of Indemnification Obligations*. Policies shall

include an endorsement incorporating the indemnification obligations assumed by the Contractor under the terms of this Agreement, including but not limited to Section 7(O) of this Agreement.

(5) Acceptability of Insurers: The insurance to be maintained by Contractor must be issued by a company licensed or approved by the Insurance Commissioner to transact business in the State of Georgia. Such insurance shall be placed with insurer(s) with an A.M. Best Policyholder's rating of no less than "A-" and with a financial rate of Class VII or greater. The Contractor shall be responsible for any delay resulting from the failure of its insurer to provide proof of coverage in the prescribed form.

(6) Verification of Coverage: Contractor shall furnish to the City for City approval certificates of insurance and endorsements to the policies evidencing all coverage required by this Agreement prior to the start of work. Without limiting the general scope of this requirement, Contractor is specifically required to provide an endorsement naming the City as an additional insured when required. The certificates of insurance and endorsements for each insurance policy are to be on a form utilized by Contractor's insurer in its normal course of business and are to be signed by a person authorized by that insurer to bind coverage on its behalf, unless alternate sufficient evidence of their validity and incorporation into the policy is provided. The City reserves the right to require complete, certified copies of all required insurance policies at any time. The Contractor shall provide proof that any expiring coverage has been renewed or replaced prior to the expiration of the coverage.

(7) Contractor's Duty to Provide Notice of Reduction in Coverage: Contractor shall provide written notice to City at least thirty (30) days prior to any reduction, suspension, voiding, or cancellation of coverage. Contractor shall require the same notice to the City in all subcontractor contracts.

(8) Subcontractors: Contractor shall either (1) ensure that its insurance policies (as described herein) cover all subcontractors and the Work performed by such subcontractors or (2) ensure that any subcontractor secures separate policies covering that subcontractor and its Work. All coverage for subcontractors shall be subject to all of the requirements stated in this Agreement, including, but not limited to, naming the Insured Parties as additional insureds.

(9) Claims-Made Policies: Contractor shall extend any claims-made insurance policy for at least six (6) years after termination or final payment under the Agreement, whichever is later, and have an effective date which is on or prior to the Effective Date.

(10) Progress Payments: The making of progress payments to the Contractor shall not be construed as relieving the Contractor or its subcontractor or insurance carriers from providing the coverage required in this Agreement.

Q. Bonds. The Contractor shall provide Performance and Payment bonds on the forms attached hereto within **Exhibit A**. All bond sureties shall be licensed to do business in Georgia and listed on the Treasury Department's most current list (Circular 570 as amended). All bonds shall be approved as to form and as to the solvency of the surety by an officer of the City negotiating this Agreement. Contractor shall maintain the payment and performance bonds throughout the Term of this Agreement and shall increase the amount of such bonds if the total payment amount of this Agreement increases. Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under this Agreement, the Contractor shall promptly furnish a copy of the bonds or shall permit a copy to be made.

R. Assignment of Agreement. The Contractor covenants and agrees not to assign or transfer any interest in, or delegate any duties of this Agreement, without the prior express written consent of the City. As to any approved subcontractors, the Contractor shall be solely responsible for reimbursing them, and the City shall have no obligation to them.

S. Employment of Unauthorized Aliens Prohibited – *E-Verify Affidavit*. Pursuant to O.C.G.A. § 13-10-91, the Contractor hereby verifies that it has, prior to executing this Agreement, executed a notarized affidavit, the form of which is provided in **Exhibit B**, and submitted such affidavit to City. Further, Contractor hereby agrees to comply with the requirements of the federal Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603, O.C.G.A. § 13-10-91 and Georgia Department of Labor Rule 300-10-1-.02.

In the event the Contractor employs or contracts with any subcontractor(s) in connection with the covered contract, the Contractor agrees to secure from such subcontractor(s) attestation of the subcontractor's compliance with O.C.G.A. § 13-10-91 and Rule 300-10-1-.02 by the subcontractor's execution of the subcontractor affidavit, the form of which is provided in **Exhibit A**, which subcontractor affidavit shall become part of the contractor/subcontractor agreement; or evidence that the subcontractor is not required to provide such an affidavit because it is licensed and in good standing as noted in sub-subsection (2); or, in the case of a sole proprietor subcontractor, a copy of subcontractor's state issued driver's license or state issued identification card as noted in sub-subsection (3) above. Contractor agrees to provide a completed copy of the above-required materials to the City within five (5) business days of receipt from any subcontractor.

Contractor agrees that the employee-number category designated below is applicable to the Contractor.

____ 500 or more employees.
____ 100 or more employees.
XX Fewer than 100 employees.

Contractor hereby agrees that, in the event Contractor employs or contracts with any subcontractor(s) in connection with this Agreement and where the subcontractor is required to provide an affidavit pursuant to O.C.G.A. § 13-10-91, the Contractor will secure from the subcontractor(s) such subcontractor(s') indication of the above employee-number category that is applicable to the subcontractor.

The above requirements shall be in addition to the requirements of State and federal law and shall be construed to be in conformity with those laws.

T. Records, Reports and Audits.

(1) Records:

(a) Books, records, documents, account legers, data bases, and similar materials relating to the Work performed for the City under this Agreement ("Records") shall be established and maintained by the Contractor in accordance with applicable law and requirements prescribed by the City with respect to all matters covered by this Agreement. Such Records shall include, but not be limited to, current and complete books of account of all transactions with respect to the Project. Such books of account shall be kept in accordance with sound accounting practices consistently applied, and otherwise in such manner as shall be reasonably required by the City. Except as otherwise authorized or required, such Records shall be maintained for at least three (3) years from the date that final payment is made to Contractor by City under this Agreement. Furthermore, Records that are the subject of audit findings shall be retained for three (3) years or until such audit findings have been resolved, whichever is later.

(b) All costs claimed or anticipated to be incurred in the performance of this Agreement shall be supported by properly executed payrolls, time records, invoices, contracts, or vouchers, or other official documentation evidencing in proper detail the nature and propriety of the charges. All checks, payrolls, invoices, contracts, vouchers, orders, or other accounting documents pertaining in whole or in part to this Agreement shall be clearly identified and readily accessible.

(2) Reports and Information: Upon request, the Contractor shall furnish to the City any and all Records in the form requested by the City. All Records

stored on a computer database must be of a format compatible with the City's computer systems and software.

(3) Audits and Inspections: At any time during normal business hours and as often as the City may deem necessary, Contractor shall make available to the City or City's representative(s) for examination all Records. The Contractor will permit the City or City's representative(s) to audit, examine, and make excerpts or transcripts from such Records. Contractor shall provide proper facilities for City or City's representative(s) to access and inspect the Records, or, at the request of the City, shall make the Records available for inspection at the City's office. Further, Contractor shall permit the City or City's representative(s) to observe and inspect any or all of Contractor's facilities and activities during normal hours of business for the purpose of evaluating Contractor's compliance with the terms of this Agreement. In such instances, the City or City's representative(s) shall not interfere with or disrupt such activities.

U. Confidentiality. Contractor acknowledges that it may receive confidential information of the City and that it will protect the confidentiality of any such confidential information and will require any of its subcontractors, contractors, and/or staff to likewise protect such confidential information. The Contractor agrees that confidential information it receives or such reports, information, opinions, or conclusions that Contractor creates under this Agreement shall not be made available to, or discussed with, any individual or organization, including the news media, without prior written approval of the City. Contractor shall exercise reasonable precautions to prevent the unauthorized disclosure and use of City information whether specifically deemed confidential or not.

Contractor acknowledges that the City's disclosure of documentation is governed by Georgia's Open Records Act, and Contractor further acknowledges that, if Contractor submits records containing trade secret information and if Contractor wishes to keep such records confidential, Contractor must submit and attach to such records an affidavit affirmatively declaring that specific information in the records constitutes trade secrets pursuant to Article 27 of Chapter 1 of Title 10, and the Parties shall follow the requirements of O.C.G.A. § 50-18-72(a)(34) related thereto.

V. Licenses, Certifications and Permits. The Contractor covenants and declares that it has obtained all diplomas, certificates, licenses, permits, or the like required of the Contractor by any and all national, state, regional, county or local boards, agencies, commissions, committees or other regulatory bodies in order to perform the Work contracted for under this Agreement; provided that some permits or licenses related to the Project may be obtained as part of the Work and shall be obtained as required. The Contractor shall secure and pay for the building permit and other permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work, which are customarily secured after

execution of the Agreement and which are legally required. Contractor shall furnish copies of such permits, licenses, etc. to the City within ten (10) days after issuance.

W. Personnel

(i) *Employment of City Personnel*. Contractor shall not employ any person or persons in the employ of, or having any contractual relationship with, the City for any Work required by the terms of this Agreement without the written permission of the City.

(iii) *Subcontractors.* Contractor shall not subcontract with any third party for the performance of any portion of the Work without the prior written consent of the City. By appropriate written agreement, Contractor shall require each subcontractor, to the extent of the Work to be performed by the subcontractor, to be bound to Contractor by terms of the Contract Documents, and to assume toward Contractor all obligations and responsibilities, including the responsibility for safety of the subcontractor's Work, which Contractor, by the Contract Documents, assumes toward the City. Each subcontract agreement for a portion of the Work must contain a provision allowing assignment of the subcontract agreement by Contractor to the City in the event that this Agreement is terminated by the City for cause and City notifies Contractor and subcontractor of its intent to accept such assignment; provided that any assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Agreement. Contractor shall be solely responsible for any such subcontractors in terms of performance and compensation.

X. Authority to Contract. The Contractor covenants and declares that it has obtained all necessary approvals of its board of directors, stockholders, general partners, limited partners, or similar authorities to simultaneously execute and bind Contractor to the terms of this Agreement, if applicable.

Y. Ownership of Work. All reports, designs, drawings, plans, specifications, schedules, work product, and other materials, including, but not limited to, those in electronic form, prepared or in the process of being prepared for the Work to be performed by the Contractor ("Materials") shall be the property of the City, and the City shall be entitled to full access and copies of all Materials in the form prescribed by the City. Any Materials remaining in the hands of the Contractor or subcontractor upon completion or termination of the Work shall be delivered immediately to the City whether or not the Project or Work is commenced or completed, provided; however, that Contractor may retain a copy of any deliverables for its records. The Contractor assumes all risk of loss, damage or destruction of or to Materials. If any Materials are lost, damaged, or destroyed before final delivery to the City, the Contractor shall replace them at its own expense. Any and all copyrightable subject matter in all Materials is hereby

assigned to the City, and the Contractor agrees to execute any additional documents that may be necessary to evidence such assignment.

Z. Nondiscrimination. In accordance with Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and all other provisions of Federal law, the Contractor agrees that, during performance of this Agreement, Contractor, for itself, its assignees and successors in interest, will not discriminate against any employee or applicant for employment, any subcontractor, or any supplier because of race, color, creed, national origin, gender, age or disability. In addition, Contractor agrees to comply with all applicable implementing regulations and shall include the provisions of this paragraph in every subcontract for services contemplated under this Agreement.

Section 8. Covenants of the City

A. Right of Entry. The City shall provide for right of entry for Contractor and Contractor's equipment as required for Contractor to complete the Work, provided that Contractor shall not unreasonably encumber the Project site(s) with materials or equipment.

B. City's Representative. **PETE SEWCZWICZ, Director of Public Works,** shall be authorized to act on the City's behalf with respect to the Work as the City's designated representative on this Project, provided that any changes to the Work or the terms of this Agreement must be approved as provided in Section 6 above.

Section 9. Final Project Documents

Prior to final payment, Contractor shall deliver to City a written assignment of all warranties, guaranties, certificates, permits, and other documents, including without limitation, all contractors' and manufacturers' warranties. At such time, Contractor shall also deliver to the City copies of all as-built drawings, operations, and maintenance manuals, and any other pertinent documents relating to the construction and operation of the Work that is not otherwise in the possession of the City.

Section 10. Termination

A. For Convenience. The City may terminate this Agreement for convenience at any time upon providing written notice thereof to Contractor at least seven (7) calendar days in advance of the termination date.

B. For Cause. The Contractor shall have no right to terminate this Agreement prior to completion of the Work, except in the event of City's failure to pay the Contractor within thirty (30) calendar days of Contractor providing the City with notice of a

delinquent payment and a reasonable opportunity to cure. The City may terminate this Agreement for cause as provided in Section 11 of this Agreement. The City shall give Contractor at least seven (7) calendar days' written notice of its intent to terminate the Agreement for cause and the reasons therefor, and if Contractor, or its Surety, fails to cure the default within that period, the termination shall take place without further notice. The City shall then make alternative arrangements for completion of the Project.

C. Statutory Termination. In compliance with O.C.G.A. § 36-60-13, this Agreement shall be deemed terminated as provided in Section 4(A) of this Agreement. Further, this Agreement shall terminate immediately and absolutely at such time as appropriated or otherwise unobligated funds are no longer available to satisfy the obligation of the City.

D. Payment. Provided that no damages are due to the City for Contractor's failure to perform in accordance with this Agreement, and except as otherwise provided herein, the City shall, upon termination for convenience or statutory termination, pay Contractor for Work performed prior to the date of termination in accordance with Section 5 herein. The City shall have no further liability to Contractor for such termination. At its sole discretion, the City may pay Contractor for additional value received as a result of Contractor's efforts, but in no case shall said payment exceed any remaining unpaid portion of the Maximum Contract Price.

If this Agreement is terminated for cause, the City will make no further payment to the Contractor or its Surety until the Project is completed and all costs of completing the Project are paid. If the unpaid balance of the amount due the Contractor, according to this Agreement, exceeds the cost of finishing the Project, City shall provide payment to the Contractor (or its Surety) for services rendered and expenses incurred prior to the termination date, provided that such payment shall not exceed the unpaid balance of the amount otherwise payable under this Agreement minus the cost of completing the Project. If the costs of completing the Project exceed the unpaid balance, the Contractor or its Surety shall pay the difference to the City.

E. Assumption of Contracts. The City reserves the right in termination for cause to take assignment of all contracts between the Contractor and its subcontractors, vendors, and suppliers. The City will promptly notify the Contractor of the contracts the City elects to assume. Upon receipt of such notice, the Contractor shall promptly take all steps necessary to effect such assignment.

F. Conversion to Termination for Convenience. If the City terminates this Agreement for cause and it is later determined that the City did not have grounds to do so, the termination will be converted to and treated as a termination for convenience under the terms of Section 10(A) above.

G. Requirements Upon Termination. Upon termination, the Contractor shall: (1)

promptly discontinue all services, cancel as many outstanding obligations as possible if requested to do so by the City, and not incur any new obligations, unless the City directs otherwise; and (2) promptly deliver to the City all data, drawings, reports, summaries, and such other information and materials as may have been generated or used by the Contractor in performing this Agreement, whether completed or in process, in the form specified by the City.

H. Reservation of Rights and Remedies. The rights and remedies of the City and the Contractor provided in this Section are in addition to any other rights and remedies provided under this Agreement or at law or in equity. Specifically, and without limiting the generality of the foregoing, City may, with or without terminating this Agreement, bring an action against Consultant to recover from Consultant all damages, recoverable at law, suffered, incurred or sustained by City as a result of, by reason of, in connection with, or arising out of Consultant's default.

Section 11. City's Rights; Contractor Default

A. City Rights Related to the Work.

(i) *City's Right to Stop the Work.* If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents, as required by the Contract Administrator, or persistently fails to carry out Work in accordance with the Contract Documents, the City may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the City to stop the Work shall not give rise to a duty on the part of the City to exercise this right for the benefit of the Contractor or any other person or entity. Such a stoppage of Work shall not extend the Expected Date of Final Completion of the Work.

(ii) *City's Right to Carry Out the Work.* If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a seven (7) calendar day period after receipt of written notice from the City to commence and/or continue correction of such default or neglect with diligence and promptness, the City may, without prejudice to other remedies the City may have, correct such deficiencies. In such case, an appropriate Change Order shall be issued deducting from payments then or thereafter due the Contractor the reasonable cost of correcting such deficiencies, including City's expenses and compensation for the Architect/Engineer's and/or Contract Administrator's additional services (if any) made necessary by such default, neglect or failure. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the City.

B. Contractor Default. For the purposes of this Agreement, Contractor shall be in default if any of the following occur during the Term of this Agreement: (a) a failure to fulfill in a timely and proper manner Contractor's obligations under this Agreement; (b) Contractor violates any of the material provisions, agreements, representations or

covenants of this Agreement or any applicable city, state, or federal laws, which do not fall within the force majeure provisions of this Agreement; (c) the Contractor becomes insolvent or unable to pay its debts as they mature, or makes an assignment for the benefit of creditors, or files a bankruptcy petition under the United States Bankruptcy Code; or (d) Contractor is the subject of a judgment or order for payment of money, which judgment or order exceeds $100,000 and is no longer subject to appeal or, in the opinion of the City, would be fruitless to appeal and where (i) such judgment or order shall continue un-discharged or unpaid for a period of thirty (30) calendar days and an insurer has not acknowledged that such judgment or order is fully covered by a relevant policy of insurance, or (ii) the City is otherwise reasonably satisfied that such judgment or order is not likely to be satisfied or complied with within sixty (60) calendar days of its issuance.

In the event of Contractor's default under this Agreement, the City shall send written notice to the Contractor setting forth the specific instances of the default and providing the Contractor with at least seven (7) calendar days to cure or otherwise remedy the default to the reasonable satisfaction of the City. If the default is not remedied during the stated cure period, then the City may, at its election: (a) in writing terminate the Agreement in whole or in part; (b) cure such default itself and charge the Contractor for the costs of curing the default against any sums due or which become due to the Contractor under this Agreement; and/or (c) pursue any other remedy then available, at law or in equity, to the City for such default.

Section 12. Miscellaneous

A. Complete Agreement. This Agreement, including all of the Contract Documents, constitutes the complete agreement between the Parties and supersedes any and all other agreements, either oral or in writing, between the Parties with respect to the subject matter of this Agreement. No other agreement, statement, or promise relating to the subject matter of this Agreement not contained in this Agreement or the Contract Documents shall be valid or binding. This Agreement may be modified or amended only by a written document signed by representatives of both Parties with appropriate authorization.

B. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Georgia without regard to choice of law principles. If any action at law or in equity is brought to enforce or interpret the provisions of this Agreement, the rules, regulations, statutes and laws of the State of Georgia will control. Any action or suit related to this Agreement shall be brought in the Superior Court of Fulton County, Georgia or the U.S. District Court for the Northern District of Georgia, and Contractor submits to the jurisdiction and venue of such court.

C. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument.

D. Invalidity of Provisions; Severability. Should any article(s) or section(s) of this

Agreement, or any part thereof, later be deemed illegal, invalid or unenforceable by a court of competent jurisdiction, the offending portion of the Agreement should be severed, and the remainder of this Agreement shall remain in full force and effect to the extent possible as if this Agreement had been executed with the invalid portion hereof eliminated, it being the intention of the Parties that they would have executed the remaining portion of this Agreement without including any such part, parts, or portions that may for any reason be hereafter declared invalid.

E. Business License. Prior to commencement of the Work to be provided hereunder, Contractor shall apply to the City for a business license, pay the applicable business license fee, and maintain said business license during the Term of this Agreement, unless Contractor provides evidence that no such license is required.

F. Notices.

(1) *Communications Relating to Day-to-Day Activities.*

All communications relating to the day-to-day activities of the Work shall be exchanged between **PETE SEWCZWICZ, Director of Public Works,** for the City, and **JULIANA GOMEZ, President,** for the Contractor.

(2) *Official Notices.*

All other notices, requests, demands, writings, or correspondence, as required by this Agreement, shall be in writing and shall be deemed received, and shall be effective, when (1) personally delivered, or (2) on the third calendar day after the postmark date when mailed by certified mail, postage prepaid, return receipt requested, or (3) upon actual delivery when sent *via* national overnight commercial carrier to the Party at the addresses given below, or at a substitute address previously furnished to the other Party by written notice in accordance herewith:

NOTICE TO CITY shall be sent to:

City of Alpharetta, Georgia
Attn: Pete Sewczwicz, Director of Public Works
Alpharetta City Hall
2 Park Plaza
Alpharetta, GA 30009
Tel: 678-297-6219
Email: psewczwicz@alpharetta.ga.us

With a copy to City's Project Manager:

City of Alpharetta, Georgia
Attn: Scott Campbell

1790 Hembree Road
Alpharetta, GA 30009
Tel: 678-297-6227
Email: sjcampbell@alpharetta.ga.us

NOTICE TO CONTRACTOR shall be sent to:

Sol Construction, LLC
Attn: Juliana Gomez, President
4120 Presidential Parkway, Ste 115
Atlanta, GA 30340
Email: jgomez@solconstructionllc.com

G. Waiver of Agreement. No failure by the City to enforce any right or power granted under this Agreement, or to insist upon strict compliance by Contractor with this Agreement, and no custom or practice of the City at variance with the terms and conditions of this Agreement shall constitute a general waiver of any future breach or default or affect the City's right to demand exact and strict compliance by Contractor with the terms and conditions of this Agreement. Further, no express waiver shall affect any term or condition other than the one specified in such waiver, and that one only for the time and manner specifically stated.

H. Survival. All sections of this Agreement which by their nature should survive termination will survive termination, including, without limitation, confidentiality obligations, warranties, and insurance maintenance requirements.

I. Sovereign Immunity. Nothing contained in this Agreement shall be construed to be a waiver of the City's sovereign immunity or any individual's qualified good faith or official immunities.

J. No Personal Liability. Nothing herein shall be construed as creating any individual or personal liability on the part of any of City's elected or appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys or volunteers. No such individual shall be personally liable to the Contractor or any successor in interest in the event of any default or breach by the City or for any amount which may become due to the Contractor or successor or on any obligation under the terms of this Agreement. Likewise, Contractor's performance of services under this Agreement shall not subject Contractor's individual employees, officers, or directors to any personal liability, except where Contractor is a sole proprietor. The Parties agree that their sole and exclusive remedy, claim, demand, or suit shall be directed and/or asserted only against Contractor or the City, respectively, and not against any elected or appointed official, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys and volunteers.

K. Force Majeure. Neither the City nor Contractor shall be liable for their respective

non-negligent or non-willful failure to perform or shall be deemed in default with respect to the failure to perform (or cure a failure to perform) any of their respective duties or obligations under this Agreement or for any delay in such performance due to: (i) any cause beyond their respective reasonable control; (ii) any act of God; (iii) any change in applicable governmental rules or regulations rendering the performance of any portion of this Agreement legally impossible; (iv) earthquake, fire, explosion, or flood; (v) strike or labor dispute, excluding strikes or labor disputes by employees and/or agents of Contractor; (vi) delay or failure to act by any governmental or military authority; or (vii) any war, hostility, embargo, sabotage, civil disturbance, riot, insurrection, or invasion. In such event, the time for performance shall be extended by an amount of time equal to the period of delay caused by such acts, and all other obligations shall remain intact.

L. Headings. All headings herein are intended for convenience and ease of reference purposes only and in no way define, limit, or describe the scope or intent thereof, or of this Agreement, or in any way affect this Agreement.

M. No Third-Party Rights. This Agreement shall be exclusively for the benefit of the Parties and shall not provide any third parties with any remedy, claim, liability, reimbursement, cause of action or other right.

N. Successors and Assigns. Subject to the provision of this Agreement regarding assignment, each Party binds itself, its partners, successors, assigns, and legal representatives to the other Party hereto, its partners, successors, assigns, and legal representatives with respect to all covenants, agreements, and obligations contained in the Contract Documents.

O. Agreement Construction and Interpretation. Contractor represents that it has reviewed and become familiar with this Agreement. The Parties hereto agree that, if an ambiguity or question of intent or interpretation arises, this Agreement is to be construed as if the Parties had drafted it jointly, as opposed to being construed against a Party because it was responsible for drafting one or more provisions of the Agreement. In the interest of brevity, the Contract Documents may omit modifying words such as “all” and “any” and articles such as “the” and “an,” but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

P. Material Condition. Each term of this Agreement is material, and Contractor’s breach of any term of this Agreement shall be considered a material breach of the entire Agreement and shall be grounds for termination or exercise of any other remedies available to the City at law or in equity.

Q. Use of Singular and Plural. Words or terms used as nouns in the Agreement shall be inclusive of their singular and plural forms, unless the context of their usage clearly requires contrary meaning.

R. Exhibits. Each and every exhibit referred to or otherwise mentioned in this Agreement is attached to this Agreement and is and shall be construed to be made a part of this Agreement by such reference or other mention at each point at which such reference or other mention occurs, in the same manner and with the same effect as if each exhibit were set forth in full and at length every time it is referred to or otherwise mentioned.

S. Defined Terms. Capitalized terms used in this Agreement shall have the meanings ascribed to them at the point where first defined, irrespective of where their use occurs, with the same effect as if the definitions of such terms were set forth in full and at length every time such terms are used.

T. Pronouns. Wherever appropriate in this Agreement, personal pronouns shall be deemed to include the other genders and the singular to include the plural.

[signature page follows]

IN WITNESS WHEREOF, the parties hereto have each caused this Contract to be executed and delivered by a duly authorized officer, agent or official as of the date set forth below.

CITY OF ALPHARETTA, GEORGIA

By:_____
Jim Gilvin, Mayor

Date: _____

Approved as to substance:

_____
Pete Sewczwicz, Director of Public Works

Approved as to form:
JARRARD & DAVIS, LLP

_____
Molly N. Esswein, City Attorney

SOL CONSTRUCTION, LLC

By: _____
Juliana Gomez, President

Attest:

By: _____
Jose Villegas, Vice President / Secretary

Date: _____

EXHIBIT A

CITY SOLICITATION DOCUMENT
INVITATION TO BID 23-002

CITY OF ALPHARETTA INVITATION TO BID (ITB)

ITB Number: 23-002

ITB Title: Webb Bridge Road Intersection Improvements - Maid Marion Close to Webb Bridge Park

ITB SPECIFICATIONS

1. ITB Period of No Communication

The no communication period starts on the issue date of this ITB [September 29, 2022] and lasts until the City Council meeting for contract award recommendation (or until contract award if this is not required to go before council for approval).

Any person or company, their employees, representatives, agents, attorneys, etc. must not contact the City's elected officials or any City staff concerning this ITB.

Contacting anyone other than the Procurement Agent named below for this ITB during this time will be reason to remove a bid from review.

2. Procurement Agent, Single Point of Contact

Debora Westbrook is the Procurement Agent and Single Point of Contact for this ITB and is the only contact representing the City for this ITB.

Enter all questions or comments using Opportunity Q&A tab at the Bonfire project web page. Debora can be reached at 678-297-6052 or purchasing@alpharetta.ga.us.

City of Alpharetta
2 Park Plaza
Alpharetta, GA 30009
Attn: Debora Westbrook, Procurement Agent

3. ITB Schedule of Events

A. **Bidding Close Date, Deadline for Submissions: October 27, 2022, 10:00 AM.** We may change this date during the ITB process. We will post any change in an addendum. Review web page for addenda.

B. Link to Bonfire Project Web Page: https://cityofalpharetta.bonfirehub.com/

C. This project web page has the important dates and all project documents for this ITB.

D. Enter all questions, comments, requests for information before the Questions Due Date using ✉ **Message – Opportunity Q&A** at the project web page.

E. In each question, clearly tell the ITB document and section that is in question.

F. We will share any changes or added information from the City by a written addendum. We will make the information available to the public on the project web page.

G. It is your responsibility to check the project web page for any addenda, other information, or other messages before finally uploading a bid. You must respond using any updated information.

H. A public bid opening will be held shortly after the ITB due date / time has passed. The public bid opening will be held via Zoom.

Opening Date and time: October 27, 2022; 10:00 AM

Topic: ITB 23-002 Webb Br Rd Intersection Improvements Public Bid Opening
Time: Oct 27, 2022 10:00 AM Eastern Time (US and Canada)
Join Zoom Meeting
https://us04web.zoom.us/j/3051332793?pwd=UFNoWHhrVlBpQ2gyZWtDWW5rcHpIdz09
Meeting ID: 305 133 2793
Passcode: BidOpening

WHAT THE CITY WANTS TO DO

1. Project Background and General Description

The City is accepting bids from qualified contractors to provide all materials, labor, and equipment for the complete construction of the **Webb Bridge Road Intersection Improvements – Maid Marion Close to Webb Bridge Park** project. The project scope includes, but is not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, construction of a roundabout at Webb Bridge Road and Webb Bridge Way, installation of pedestrian lighting, installation of landscaping, and related work. The location of work is along Webb Bridge Road between Maid Marion Close and Webb Bridge Park --- within the City of Alpharetta, Georgia.

2. Specifications

A. Except as noted in Item B, the Bidder shall comply with the following:
   i. Georgia Department of Transportation's "Standard Specifications Construction of Transportation Systems", 2021 Edition, as modified and expanded by Appendix A – General Conditions
   ii. All Special Provisions set forth in Appendix B

B. All landscaping work shall comply with the City of Alpharetta's Technical Section 02900 – Landscaping. See Appendix B of this document.

3. Project Specific Requirements

A. It is the City's intent to award the full scope of the project to a single contractor. Award will be based on references, GDOT qualifications, and the base bid plus any alternatives selected by the City.

B. The Bidder shall commence the Work with adequate force and equipment within **ten (10)** calendar days from receipt of Notice to Proceed and shall continuously pursue the work without interruption to completion and to achieve **Final Completion** of the Work in five hundred forty (540) calendar days.

C. The Bidder shall be responsible for performing with their own organization at least fifty percent (50%) of the work in this contract. The Bidder shall not subcontract, transfer, assign, or otherwise dispose of the contract or any portion thereof, without the written consent of the City.

D. Retainage in the amount of 5% of each progress payment will be applied.

E. The cost of any work performed, materials furnished, services provided, or expenses incurred, which are not specifically delineated in the Contract Documents, but which are incidental to the scope, intent, and completion of the Contract, shall be included in the prices for the various items scheduled.
F. Construction is only permitted between the hours of 7:00 AM and 7:00 PM Monday through Friday. Work on Saturday is only allowable with a minimum 72 hours of advance notice and is only permitted between the hours of 9:00 AM and 5:00 PM. Work on Sunday is not permitted.
    i. Construction outside of these hours requires approval by both the Department of Public Works and the Department of Public Safety.
    ii. Once approved by the Department of Public Works, Contractor must submit request in writing to the Director of Public Safety for modified work hours.
G. Contractor shall be responsible for implementing and maintaining all necessary traffic control measures. Contractor shall submit a traffic control plan to the City for approval prior to commencing any operations at a given location. Traffic control is entirely the responsibility of the Bidder and must comply with MUTCD standards. Additionally, Contractor shall include in their Traffic Control cost the utilization of a minimum of four (4) variable message boards from one week prior to commencement of work through completion of the project. Traffic can only be impeded between 9am and 4pm.
H. Should the Contractor desire to utilize police officers as part of their traffic control, only City of Alpharetta Police may be so utilized. Contact Sergeant Jomo Bent (678-297-6350) or Sergeant Dan Lambert (678-297-6361) with the City of Alpharetta Department of Public Safety.
I. The Contractor shall be responsible for all required testing as set forth in the appropriate sections of the Georgia Department of Transportation's Sampling, Testing, and Inspection Guide (latest edition). Testing services must be provided by an independent source. All testing costs shall be incorporated into the unit price for the associated line items.
J. The Contractor shall be responsible for all required NPDES testing as set forth in the State of Georgia DNR-EPD Permit No. GAR100002. Applications for Payment shall include copies of all NPDES testing reports for the corresponding time period. The Notice of Intent will be filed prior to NTP.
K. Contractor will NOT be responsible for the purchase or installation of trees, shrubs, or other plants (excluding seed/sod) shown on the landscape plans. Areas shown to be planted with trees, shrubs, or other plants shall instead be finish-graded to a depth of 6 inches below the top of curb, sidewalk, or other surrounding hardscape. Upon completion of grading in planting areas as described, contractor shall then install brown hardwood mulch at a depth of 1 inch. See City Specification 2900 for details.
L. Unless specified otherwise, all handrails, pedestrian signal poles, strain poles and mast arms shall have a black powder-coat finish. All pedestrian and roadway lighting poles shall have a black finish applied by the manufacturer.
M. Contractor shall cut, cap, and mark at the limits of disturbance any irrigation lines encountered during construction which is in conflict with the proposed improvements.
N. Utility coordination shall be the responsibility of the Contractor. Costs for utility relocations will be paid by the City directly to the utility owner.
O. Contractor shall be responsible for the relocation of any mailboxes in conflict with the proposed improvements. Costs for this work shall be incorporated in the submitted bid cost.

P. Any limbs overhanging the limits of disturbance that may be ripped, torn, or damaged during construction shall be properly pruned under the direction of an ISA Certified Arborist.
Q. The use of a shuttle buggy/material transfer vehicle is not required.
R. Roadway and shoulder construction along the north/east side of Webb Bridge Road from Station 101+90 (Webb Bridge Road) to Station 185+81.33 (Webb Bridge Road) is not included in the scope of this project, with the exception on the 18" pipe between EX-14A and K-15. Transitions between existing and proposed conditions shall be prepared by the contractor and must be approved by the inspector.
S. Roadway and shoulder construction along the south/west side of Webb Bridge Road from Station 101+90 (Webb Bridge Road) to Station 183+25 (Webb Bridge Road) is not included in the scope of this project. Transitions between existing and proposed conditions shall be prepared by the contractor and must be approved by the inspector.
T. NO ROAD CLOSURES WILL BE ALLOWED. Project must be built under traffic. The intersection at Webb Bridge Road and Webb Bridge Way is the ONLY accessible route to the Webb Bridge Park and should remain open all the time.
U. All driveways and subdivision access roads shall have one 2" schedule 40 conduit, stubbed up and capped at either end, beside one 3" schedule 40 conduit, stubbed up and capped at either end, for irrigation and lighting restoration. Conduits shall be installed at 18" depth below final grade. Parcels 50 and 52 are excluded from this provision.
V. Contractor shall submit an updated construction schedule with each application for payment.
W. Shoring shall be included in the Contractor's overall price. Shoring will not be measured for separate payment.
X. All tree-save fence shall be Type B per City of Alpharetta Detail L-6.

4. Public Works Construction

According to Georgia Public Works Law, public works construction means the building, altering, repairing, improving, or demolishing of any public structure or building or other public improvements of any kind to any public real property ***other than*** road construction or the routine operation, repair, or maintenance of existing structures, buildings, or real property.

A. Land Disturbance Permits from the City of Alpharetta will be issued for this project.
B. NOI will be submitted prior to NTP. EPD permit will be obtained by NTP.
C. All anticipated rights of way and/or easements required for this project will be obtained by NTP.
D. The Schedule of Items form will be used as the primary representation of each Bidder's cost/price. Award of this project will be by base bid plus any selected alternates.

5. City Agreements and Obligations

This section contains a list of agreements and obligations the City has made to the property owners impacted by the Webb Bridge Road Corridor Improvements. Conditions set forth below take precedence over what may be shown on the project plans.

A. Parcel 48: Subdivision sign shall not be disturbed.

B. Parcel 49: No special agreements/obligations made.
C. Parcel 50: No special agreements/obligations made.
D. Parcel 51: No special agreements/obligations made.
E. Parcel 52: Existing trees within the ROW shall not be disturbed.
F. Parcel 53: No special agreements/obligations made.
G. Parcel 54: No special agreements/obligations made.
H. Parcel 55: No special agreements/obligations made.
I. Parcel 56: No special agreements/obligations made.
J. Parcel 57: No special agreements/obligations made.
K. Parcel 58: Existing trees within the ROW shall not be disturbed.
L. Parcel 59: Contractor shall not enter this parcel.
M. Parcel 60: Contractor shall not enter this parcel.
N. Parcel 61: No special agreements/obligations made.
O. Parcel 62: No special agreements/obligations made.
P. Parcel 63: No special agreements/obligations made.
Q. Webb Bridge Park is a City-owned property. Park cannot be used for staging.

FOLLOW THIS OUTLINE

How We Want You to Construct Your Bid

1. Using Bonfire to Submit Bid

1.1. This is the link to Bonfire Project Web Page to get our documents and to upload your bid: https://cityofalpharetta.bonfirehub.com/

1.2. We are accepting all bids by online response only. You must upload completed bids online before the closing date and time found in Project Details of the project web page for this ITB.

1.3. Don't send bids by mail, fax, or email. We will not accept paper copy bids. We will not accept any bids after the closing time deadline has passed.

1.4. You have not completed your response simply by uploading bid documents and information. You must successfully upload all the required documents, including filling out any questionnaires, price sheets, or data requests, and then you must click the submit button before the closing time.

1.5. You will receive an email confirmation receipt with a unique confirmation number shortly after you complete your bid upload. This confirms that you have successfully turned in your bid with all required information.

1.6. You can update your bid at any time until the closing time.

1.7. All uploaded items and responses are Sealed in the project web page and will only be visible by the City after the closing time has passed.

1.8. If the file is 'mandatory' or 'required', you won't be able to complete your bid until you have met all requirements.

1.9. Uploading large documents may take more time, depending on the size of the file(s) and your Internet connection speed.

1.10. Pay attention to the type and number of files we have asked you to upload.

1.11. The largest upload file size is 1000 MB.

1.12. Don't embed any documents within your uploaded files. They won't be accessible or evaluated.

1.13. Minimum system requirements: Internet Explorer 11, Microsoft Edge, Google Chrome, or Mozilla Firefox. Java Script must be enabled.

❖ Required Bid Document Formats

❖ Each proposal must follow these document formats.

- Failure to follow these formats will reduce our review team's ability to evaluate and will result in a lower proposal score or in complete removal of a proposal from scoring.
- Format your documents using this outline:

- ☐ no more than seven (7) pages per document,
- ☐ formatted to single space lines,
- ☐ 10 to 12-point font size,
- ☐ black font color (excludes photos, charts, section separators or headings), and
- ☐ upload proposal in PDF format.

- **Bid Package and Company Information**

  IMPORTANT NOTE: By submitting a bid to the City in response to this ITB, Bidder acknowledges the understanding that each Bid and all information received in response to this ITB, including copyrighted material, is deemed "public record" in accordance with O.C.G.A § 50-18-70, et seq., and will be subject to Public inspection.

  For any information required to submit a response to the ITB that may be confidential information, matters involving individual safety, or other required information that may be exempt from public disclosure, Bidders must include this information on a separate page(s) within the bid package with the page(s) clearly marked at the top of page(s), **CONFIDENTIAL INFORMATION**. City Procurement will review and separate out any information that meets the referenced exceptions to disclosure as public record. *(See ITB 23-002 Info Contract document for more details)*

  A. **Cover Letter with Brief Business Profile**, include a brief business profile length of time in business, and a summary describing strong points and why your firm's/team's experience, particularly with similar projects, will benefit the City.

  B. **Business information**, including business name and home office address. If another office address oversees work of this project, add that address information too.

  C. **Contact,** one person to be the single point of contact for this bid. All communication with the City will be with this person. Supply the following contact information in the bid:

     - Name, including business title and preferred personal/honorific title (Mr. Ms. Dr. etc.)
     - mailing address,
     - telephone number, cell phone number, and
     - e-mail address.

  D. **References**. Supply at least three references for work or services similar in scope, specifications, and complexity to the project in this ITB (don't include the City of Alpharetta). These references must be for work or services provided by your company within the last five years. Also supply a list of three active projects or upcoming projects, awarded and yet to begin.

     NOTE: We contact references to verify your ability to do the work. We also reserve the right to use any information or other references to decide your ability to perform the work in this ITB. Poor references from any source are grounds to disqualify a bid.

E. **Georgia Department of Transportation Prequalification**. Bidders submitting bids over $2,000,000.00 shall be prequalified with the Georgia Department of Transportation and shall provide a copy of their current Certificate of Qualification. Bidders submitting bids of $2,000,000.00 or less shall be prequalified or registered subcontractors with the Georgia Department of Transportation and shall provide a copy of their current Certificate of Qualification or Certificate of Registration.

- **Bid Bond**

We require bid bond equal to 5% of Grand Total bid price as listed in the ITB 23-002 Schedule of Items. A bid bond form has been supplied as a separate document for you to download and have completed by your surety. Return the completed bid bond to us as a separate document. All information must be readable including all seals (ex: Notary Seal).

- **Required Forms:**

We have provided required forms. You must complete these forms and return to us with every bid.

A. **IRS Form W-9**

B. **Bidder's Disclosures and Certifications**

C. **E-Verify** (Affidavit Verifying Contractor Participation in Federal Work Authorization Program)

- ***E-Verify side note*:** Companies return this form to us incorrectly more often than anything else we request in our ITBs.
- Top mistakes include wrong number or missing information.
- State of Georgia law requires that we have this completed form before we can review a bid or bid.
- A form with errors doesn't fulfill this requirement.

All the following must be on the E-verify affidavit.

- Federal Work Authorization User Identification Number – this is only five to eight numbers.
  - ⊗ No A,B,Cs.
  - ⊗ It's different from your Tax ID, Employer Identification, or Social Security Number.
  - ⊗ It won't have a combination of letters and numbers.
- Date of Authorization – this is when you first signed up and got the E-verify number.
- Name of Contractor – your company
- Name of Project – Same as ITB title

- Date, City, and State – when and where this form was signed
- Signature of Authorized Officer or Agent – to be signed
- Printed Name and Title of Authorized Officer or Agent – the person that signed the form.
- Notarized with seal

❖ Other Required Information

❖ Questionnaire

We use a questionnaire to gather important information needed for legal requirements, your acknowledgements, our proposal review, or information needed for writing a contract.

Some questions may require your answers about the work we have described in this RFP.

You will fill out the questionnaire provided. There is no other form or document to upload.

Information requests and response types are as follows:

1. Addenda Acknowledgement, enter the number of addenda received: 0, 1, 2, etc.
2. Authorized signer for contract execution in DocuSign: Name, business title, email address, text entry.
3. Corporate secretary for contract execution in DocuSign: Name, business title, email address, Response Type: Response Type: text entry.
4. Contact for legal notices-needed for contracting: Business name and mailing address, contact name, text entry.
5. Unique Entity ID / identifier used at SAM.gov, Response Type: alphanumeric entry.
6. Note the employee-number category for your company (all locations). Select either 500 or more employees, 100 or more employees, or less than 100 employees.
7. Acknowledgement of Contract and T&C review, Yes, No entry.
8. Insurance Requirement Acknowledgement, Yes, No entry.
9. Performance Bond Acknowledgment, Yes, No entry.
10. Note any Exceptions to Contract T&Cs , text entry.
11. Current GDOT Certificate of Qualification

Appendix A: General Conditions

Unless otherwise directed, all work performed under this contract shall be in accordance with the Georgia Department of Transportation Standard Specifications, Construction Transportation Systems, **2021 edition**, and any Supplemental Specifications modifying them, except as noted below and in the Special Provisions.

Modification of Standard Specifications

SECTION 101 - DEFINITION AND TERMS

Section 101.10 BOARD

Delete as written and substitute the following:

"City Council of City of Alpharetta, Georgia"

Section 101.13 CHIEF ENGINEER

Delete as written and substitute the following:

"The City of Alpharetta Director of Public Works, acting directly or through their duly authorized representatives."

Section 101.14 COMMISSIONER

Delete as written and substitute the following:

"The Mayor of the City of Alpharetta, Georgia"

Section 101.16 CONTRACT

Delete the second paragraph and substitute the following:

"The Contract Documents shall be composed of the Advertisement for Bid; Notice to Contractors; Form of Bid Proposal; General Conditions; Special Provisions; Detail Specifications, as identified in Section 105.03; Form of Contract; Form of Bond(s); Addenda; the drawings, including all changes incorporated herein before their execution; and also any Change Orders and Supplemental Agreements that are required to complete the construction of The Work in an acceptable manner, including authorized extensions thereof, all of which constitute one instrument. No oral agreement or orders are to be considered as valid or as a part of the Contract."

Section 101.22 DEPARTMENT

Delete as written and substitute the following:

"The City of Alpharetta Department of Public Works"

Section 101.24 ENGINEER

Delete as written and substitute the following:

"The City of Alpharetta Director of Public Works, acting directly or through their duly authorized representatives."

Section 101.47 PROJECT

Delete as written and substitute the following:

"The specific section or sections of the plans together with all appurtenances and construction to be performed thereon under the Contract."

Section 101.50 RIGHT OF WAY

Delete as written and substitute the following:

"A general term denoting land, property or interest therein, usually, but required to be, in a strip, acquired for or devoted to the PROJECT and PLANS."

Section 101.62 STATE HIGHWAY ENGINEER

Delete as written and substitute the following:

"The City of Alpharetta Director of Public Works, acting directly or through their duly authorized representatives."

Section 101.74 SUPPLEMENTAL AGREEMENT

Retain as written and add the following:

"Any Supplemental Agreement that has a dollar value amount that is less than $25,000.00 shall not require the assent of the Surety."

Section 101.80 TREASURER

Delete as written and substitute the following:

" The City of Alpharetta Director of Finance, acting directly or through their duly authorized representatives."

Add:

"Section 101.83 CITY: The City of Alpharetta

Section 101.84 PROCUREMENT AGENT: A duly authorized representative of the City of Alpharetta Director of Finance."

SECTION 102 - BIDDING REQUIREMENTS AND CONDITIONS

Section 102.01 PREQUALIFICATION OF BIDDERS

Delete in its entirety.

Section 102.01 PREQUALIFICATION OF BIDDERS

Delete the first paragraph in its entirety.

Section 102.03 CONTENTS OF PROPOSAL FORMS

Delete in its entirety.

Section 102.05 EXAMINATION OF PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND SITE OF THE WORK

Add the following:

"Each BIDDER must inform themselves fully of the conditions relating to the construction of the PROJECT and the employment of labor thereon. Failure to do so will not relieve a successful BIDDER of their obligation to furnish all material and labor necessary to carry out the provisions of their Contract. Insofar as possible the CONTRACTOR, in carrying out its work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor. Bidders, before making proposals, shall examine the plans and specifications and make such examinations on the ground as are necessary to thoroughly familiarize themselves with the nature and extent of the proposed construction and all local conditions affecting the same, as the CITY will not be responsible for BIDDER's errors or misjudgment, nor for any information on local conditions or general laws or regulations.

At the time of the opening of bids, each BIDDER will be presumed to have inspected the site and to have read and to be thoroughly familiar with the plans and Contract Documents (including all addenda). The failure or omission of any BIDDER to examine any form, instruments or documents shall in no way relieve any bidder from any obligation in respect to their bid."

Section 102.06 PREPARATION OF PROPOSAL

Delete in its entirety.

Section 102.07 REJECTION OF PROPOSALS

Delete the first paragraph and substitute the following:

"Proposals may be rejected as irregular if their consideration is conditioned upon the acceptance or rejection of other Proposals submitted by the same Bidder, if the Georgia Security and Immigration Compliance Act Affidavit is not completed, or if a Unit Price is not shown for each Pay Item."

Delete Item A and substitute the following:

"A. Collusion

Any and all Proposals will be rejected if the Department believes that collusion exists among the Bidders and no participant in such collusion may submit future Proposals for the same work. The Department reserves the right to review and to refuse to

consider any Proposal if the Bidder fails to execute the Bidder's Disclosures and Certifications form."

Delete Item G in its entirety.

Delete Item J and substitute the following:

"J. The CITY reserves the right to reject any and all bids, to waive formalities and to re-advertise. It is understood that all bids are made subject to this Agreement, that the CITY reserves the right to award the bid to the lowest, responsible Bidder, and in arriving at this decision, full consideration will be given to the reputation of the Bidder, their financial responsibility, and work of this type successfully completed.

K. The CITY also reserves the right to reject any and all bids from any person, firm, or corporation who is in arrears in any debt or obligation to City of Alpharetta, Georgia."

Section 102.08 PROPOSAL GUARANTY

Delete in its entirety.

Section 102.09 DELIVERY OF PROPOSALS

Delete in its entirety.

Section 102.10 WITHDRAWAL OR REVISION OF PROPOSALS

Delete in its entirety.

Section 102.11 PUBLIC BID

Delete in its entirety.

Section 102.15 SUBMITTAL OF "GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT"

Delete in its entirety.

Section 102.16 SUBMITTAL OF "REQUEST FOR ELIGIBILITY TO BID"

Delete in its entirety.

Section 102.17 SUBMITTAL OF "CERTIFICATE OF CURRENT CAPACITY" AND "STATUS OF CONTRACTS ON HAND"

Delete in its entirety.

Section 102.18 SUBMITTAL OF "CONSTRUCTION CONTRACTORS BID OPPORTUNITY LIST"

Delete in its entirety.

Section 102.19 SPECIALTY ITEMS EXEMPT FROM PREQUALIFICATION OF BIDDERS

Delete in its entirety.

SECTION 103 - AWARD AND EXECUTION OF CONTRACT

Section 103.1 CONSIDERATION OF PROPOSALS

Delete the first paragraph in its entirety and substitute the following:

> "After the Proposals are opened and read, the correct sum of the products of the quantities shown in the Proposal multiplied by the Unit Prices Bid will be considered the amount of the Bid. If there is a discrepancy between Unit Bid Prices and extensions, the Unit Bid Price shall govern. In determining Unit Bid Prices, fractional parts of a cent less than one cent ($0.01) will not be considered significant and will be dropped. The amounts will then be compared, and the results of this comparison will be made public at the time specified in the Notice to Contractors. Until the final Award of the Contract, however, the right will be reserved to reject any and all Proposals, to waive technicalities, to advertise for new Proposals, or to proceed to do the work otherwise if the interest of the CITY will be promoted thereby.

Section 103.2 AWARD OF CONTRACT

Delete in its entirety.

Section 103.4 RETURN OF PROPOSAL GUARANTY

Delete in its entirety.

Section 103.5 REQUIREMENTS OF CONTRACT BONDS

Delete in its entirety.

Section 103.6 EXECUTION AND APPROVAL OF CONTRACT

Add the following:

> "Execution of the Contract by CONTRACTOR shall not be considered complete unless CONTRACTOR submits proper proof of coverage of Insurance in compliance with the General Insurance Requirements found in the General Terms and Conditions, Sample Contract, ITB Information document included in the Invitation to Bid."

Section 103.7 FAILURE TO EXECUTE CONTRACT

Delete in its entirety.

Section 103.8 PROCEDURE FOR REQUESTING RECONSIDERATION BY RESPONSIVE REJECTED APPARENT LOW BIDDER

Delete in its entirety.

SECTION 105 - CONTROL OF WORK

Section 105.02 PLANS AND WORKING DRAWINGS

Add the following paragraphs:

"If, in the process of the Contract, discrepancies arise, the CONTRACTOR will be furnished additional instructions and detail drawings as necessary to carry out the work included in the Contract. The additional drawings and instructions thus supplied to the CONTRACTOR will coordinate with the Contract Documents and will be so prepared that they can be reasonably interpreted as part thereof.

The CONTRACTOR shall submit promptly to the Engineer six (6) copies of each shop or setting drawing prepared in accordance with the schedule predetermined as aforesaid. After examination of such drawings by the Engineer and the return thereof, the CONTRACTOR shall make such corrections to the drawings as have been indicated and shall furnish the Engineer with two (2) corrected copies. If requested by the Engineer, the CONTRACTOR must furnish additional copies. Regardless of corrections made in or approval given to such drawings by the Engineer, the CONTRACTOR shall nevertheless be responsible for the accuracy of such drawings and for their conformity to the Plans and Specifications at the time they furnish such drawings."

Section 105.14 MAINTENANCE DURING CONSTRUCTION

Retain in its entirety, but insert the following after the first paragraph:

"At all times, the CONTRACTOR shall perform work as may be required to protect the entire site from damage, both existing conditions and performed work. Furthermore, the CONTRACTOR shall be responsible for all damages to all persons and property due to the non-maintenance of the PROJECT."

SECTION 106 - CONTROL OF MATERIALS

Section 106.03 SAMPLES, TESTS, CITED SPECIFICATIONS

Retain in its entirety, but insert the following after the first paragraph:

"CONTRACTOR shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required by the Standard Specifications or the Owner's acceptance of materials or equipment to be incorporated into the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to CONTRACTOR'S purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to the CITY and shall comply with the GDOT sampling, testing and inspection manual."

SECTION 107 - LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC

Section 107.02 PERMITS AND LICENSES

Add the following paragraphs:

"The CONTRACTOR shall provide the CITY, on the proper form, proof of being licensed to do business within The City of Alpharetta; proof of proper business licenses shall also be provided by the prime CONTRACTOR for any and all subcontractors coming under the jurisdiction of this Contract. (See Subcontractors' Notification List.)

Before any work proceeds along areas adjacent to a State Highway, the CONTRACTOR shall assure that a permit showing that the PROJECT is approved by the Georgia Department of Transportation is posted. Before any work proceeds the CONTRACTOR shall assure that all applicable City of Alpharetta permits are posted. The CONTRACTOR shall notify both the Engineer and the local Georgia Department of Transportation's representative 48 hours before moving into a new area to begin construction."

Section 107.07 PUBLIC CONVENIENCE AND SAFETY

Retain as written and add the following:

"The CONTRACTOR shall distribute a notice to each residence or business within the limits or immediately adjacent to the PROJECT. This notice will be provided by the CONTRACTOR, approved by the CITY and it will be the responsibility of the CONTRACTOR to deliver the notices prior to beginning construction.

The notices will be used to inform the affected parties of the activities that will be occurring and will identify the CONTRACTOR.

The notice will be in the form of "door hangers" and are not to be placed in the mail boxes. The CONTRACTOR will notify the Director of Public Works in writing upon completion of this work and the letter will become a permanent part of the PROJECT records."

Section 107.13 PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE

Retain subparagraph C. and add the following paragraph:

"All chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant, or of other classification, must show approval of either EPA or USDA. Use of all such chemicals and disposal of residues shall be in strict conformance with instructions."

Delete subparagraph F in its entirety and substitute the following:

"The CONTRACTOR shall have the responsibility for removing and relocating all mailboxes to an area outside of the construction limits but still accessible for mail deliveries and convenient to the mail carrier and the patron during the entire time of construction. It may be necessary for the CONTRACTOR to confer with the Post Office serving the area.

As soon as construction has progressed to the stage that the mailbox may be erected in its permanent position, the CONTRACTOR shall coordinate the erection with the patron and the Post Office serving the area. Any damages to the posts or mailboxes due to the removal and/or relocations by the CONTRACTOR will remain the responsibility of the CONTRACTOR, all damaged posts and/or mailboxes shall be replaced and installed by

the CONTRACTOR at their expense, excluding mailbox enclosures of masonry construction.

Any cost or costs to the CONTRACTOR for removing, relocating or installations of mailboxes as stated above shall be included in the overall bid price."

Section 107.15 RESPONSIBILITY FOR DAMAGE CLAIMS

Add the following paragraph:

"CONTRACTOR shall indemnify and hold harmless the CITY and their agents, employees, successors, and assigns from and against all loss, cost, damage, claim, suit, and judgment, including attorney's fees, arising out of or resulting from the performance or non-performance of the work. CONTRACTOR's duty to indemnify applies in connection with, but is not limited to, injury to or death of any person or persons, loss of or damage to property caused by or in any way connected with CONTRACTOR's performance or non-performance of the work, whether such injury, death, loss, or damage results from any cause whatsoever. The CONTRACTOR's duty to indemnify shall extend to all claims, damage, loss, or expense caused in whole or in part by any act or omission of the CONTRACTOR, any subcontractor, or anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. The duty of the CONTRACTOR to indemnify, contained herein, shall not extend to any claim, damage, loss, or expense which results solely from the negligence of a party indemnified hereunder."

Section 107.17 CONTRACTOR'S RESPONSIBILITY FOR THE WORK

Retain in its entirety and add the following:

"In case of an emergency which threatens loss or injury of property and/or safety of life, the CONTRACTOR will be allowed to act, without previous instruction from the Engineer, in a diligent manner. They shall notify the Engineer immediately thereafter. Any claim for compensation by the CONTRACTOR due to such extra work shall be promptly submitted to the Engineer for approval.

Where the CONTRACTOR has not taken action but has notified the Engineer of an emergency threatening injury to persons or damage to the work or any adjoining property, they shall act as instructed or authorized by the Engineer."

Section 107.18 ACQUISITION OF RIGHT OF WAY

Delete in its entirety and substitute the following:

"The CITY shall furnish all land and right-of-way necessary for the carrying out of this Contract and the completion of the Work herein contemplated and will use due diligence in acquiring said land and rights-of-way as speedily as possible. But it is possible that all lands and rights-of-way as herein contemplated may not be completely secured before construction begins, in which event the CONTRACTOR shall begin his Work upon such land and rights-of-way as the CITY may have previously acquired, and no claim for damages whatsoever will be allowed by reason of the delay in obtaining the remaining land and rights-of-way. Should the CITY be prevented or enjoined from proceeding with

the Work, or from authorizing its prosecution, either before or after the commencement, by reason of any litigation, or by reason of its inability to procure any lands or rights-of-way for the said Work, the CONTRACTOR shall not be entitled to make or assert claim for damage by reason of said delay, or, to withdraw from the Contract except by consent of the CITY, but time for completion of the Work will be extended to such time as the CITY determines will compensate for the time lost by such delay, such determination to be set forth in writing."

Section 107.20 NO WAIVER OF LEGAL RIGHTS

Retain in its entirety and add the following:

"The CONTRACTOR shall guarantee the work accomplished under this Contract for a period of twelve (12) months from the date of final acceptance. The CONTRACTOR shall remedy, at his own expense, and without additional cost to the CITY, all defects arising from either workmanship or materials, as determined by the Engineer. The guarantee shall not cover any accidental or deliberate damage to the work, or any defects occurring due to normal wear and tear during the twelve (12) months.

All equipment of whatever nature incorporated in the work covered by this Contract shall carry the same guarantee as outlined above for construction. Failure of any equipment or part thereof within the specified time shall be corrected to the satisfaction of the CITY, at the CONTRACTOR's expense. This guarantee does not apply to manufacturing defects of equipment furnished by the CITY.

The Performance Bond shall remain in full force and effect through the guarantee period."

SECTION 109 - MEASUREMENT AND PAYMENT

Section 109.07 PARTIAL PAYMENTS

Delete in its entirety and substitute the following:

"**A. GENERAL**

At the end of each calendar month, the CONTRACTOR will invoice for the value of Work complete and in place for that month, subject to verification and approval by the Engineer. Invoice value will be computed on the basis of Contract Item Unit Prices or on percentage of completion of Lump Sum Items.

Invoices for payment shall be submitted by the fifth (5th) calendar day of each month to facilitate processing for payment in that same month. Invoices received after the fifth (5th) calendar day of the month may not be paid until the end of the following month.

Certain deductions from the amount due on Partial Payment estimates will be retained by the Department until final payment is made after full compliance with Sub-Section 109.08. The amounts to be deducted and retained shall conform to the conditions and provisions of Sub-Section 109.07.B.6 and Sub-Section 109.07.G.

B. MATERIALS ALLOWANCE

Payments will be made on delivered costs, or percentage of bid prices if otherwise noted, with copies of paid invoices provided to the Department for the materials listed below which are to be incorporated into the Project provided the materials:

- Conform to all specification requirements.
- Are stored on the Project right of way or, upon written request by the Contractor and written approval of the Engineer, they may be stored off the right of way, but local to the Project, provided such storage is necessary due to lack of storage area on the right of way, need for security, or need for protection from weather.

As a further exception to on-Project storage, upon written request by the Contractor, the Engineer may approve off-the-Project storage items uniquely fabricated or precast for a specific Project, such as structural steel and precast concrete, which will be properly marked with the Project number and stored at the fabrication or precast facility.

The Engineer may approve out-of-state storage for structural steel and prestressed concrete beams uniquely fabricated for a specific Project stored at the fabrication facility.

1. Paid invoices should accompany the materials allowance request, but in no case submitted to the Project Engineer later than thirty (30) calendar days following the date of the progress payment report on which the materials allowance was paid.

   In case such paid invoice(s) are not furnished within the established time, the materials allowance payment will be removed from the next progress statement and no further materials allowance will be made for that item on the Project.

2. Materials allowances will be paid for those items which are not readily available, and which can be easily identified and secured for a specific project and for which lengthy stockpiling periods would not be detrimental. Some exclusions are as follows:

   a. No payments will be made on living or perishable plant materials until planted.

   b. No payments will be made on Portland Cement, Liquid Asphalt or Grassing Materials.

   c. No payment will be made for aggregate stockpiled in a quarry. Payment for stockpiled aggregate will be made only if the aggregate is stockpiled on or in the immediate vicinity of the project and is held for the exclusive use on that project. The aggregate must be properly secured. If the aggregate stockpiled is to be paid for per-ton it must be reweighed on approved scales at the time it is incorporated into the Project.

d. No payments will be made on minor material items, hardware, etc.

3. No materials allowance will be made for materials when it is anticipated that those materials will be incorporated into the Work within thirty (30) calendar days.

4. No materials allowance will be made for material when the requested allowance for such material is less than $10,000.

5. Where a storage area is used for more than one project, material for each project shall be segregated from material for other projects, identified, and secured. Adequate access for auditing shall be provided. All units shall be stored in a manner so that they are clearly visible for counting and/or inspection of the individual units.

6. The CITY may, at his discretion, grant waiver to the requirements of this Section when, in his opinion, such waiver would be in the public interest.

   Subsequently, in the event the material is not on-hand and in the quantities for which the materials allowance was granted, the materials allowance payment will be removed from the next progress statement and no further materials allowance will be made for those items on that Project. If sufficient earnings are not available on the next progress statement, the Contractor agrees to allow the CITY to recover the monies from any other Contract he may have with the CITY, or to otherwise reimburse the CITY.

   Payments for materials on hand shall not exceed the invoice price or seventy-five percent (75%) of the bid prices for the pay items into which the materials are to be incorporated, whichever isles.

C. MINIMUM PAYMENT

No partial payment will be made unless the amount of payment is at least $1000.00

D. LIQUIDATED DAMAGES

Accrued liquidated damages will be deducted in accordance with Subsection 108.08.

E. OTHER DEDUCTIONS

In addition to the deductions provided for above, the CITY has the right to withhold any payments due the Contractor for items unpaid by the Contractor for which the CITY is directly responsible, including, but not limited to, royalties (see Section 106.)

F. AMOUNT OF PAYMENT

The balance remaining after all deductions provided for herein have been made will be paid to the Contractor. Partial estimates are approximate and are subject to correction on subsequent progress statements. If sufficient earnings are not

available on the subsequent progress statement, the Contractor agrees to allow the CITY to recover the monies from any other Contract they may have with the CITY, or to otherwise reimburse the CITY. The Engineer is responsible for computing the amounts of all deductions herein specified, for determining the progress of the Work and for the items and amounts due to the Contractor during the progress of the Work and for the final statement when all Work has been completed.

G. INTEREST

Under no circumstances will any interest accrue or be payable on any sums withheld or deducted by the CITY as authorized by Subsection 109.07.A, Subsection 109.07.B.6, Subsection 109.07.C, Subsection 109.07.D, Subsection 109.07.E, and Subsection 109.07.F."

Section 109.08 FINAL PAYMENT

Delete in its entirety and substitute the following:

"Upon completion by the **CONTRACTOR** of The Work, including the receipt of any final written submission of the **CONTRACTOR** and the approval thereof by the CITY, the **CITY** will pay the **CONTRACTOR** a sum equal to 100 percent (100%) of the compensation set forth herein, less the total of all previous partial payments, paid or in the process of payment.

The **CONTRACTOR** agrees that acceptance of this final payment shall be in full and final settlement of all claims arising against the **CITY** for work done, materials furnished, costs incurred, or otherwise arising out of this Agreement and shall release the **CITY** from any and all further claims of whatever nature, whether known or unknown for and on account of said Agreement, and for any and all work done, and labor and materials furnished, in connection with same.

No payment shall be made until the **CONTRACTOR** furnishes to the **CITY** a sworn affidavit to the effect that all bills are paid and no suits and/or liens are pending in connection with the work done or labor and materials furnished under this Contract. The Engineer will make final payment within sixty (60) days after approval.

The **CONTRACTOR** will be required to maintain all work done by him in a first-class condition for sixty (60) days after the same has been completed as a whole, and the Engineer has notified the **CONTRACTOR** in writing that the work has been finished to his satisfaction. The retained percentage will not be due or payable to the **CONTRACTOR** until the 60-day maintenance period has ended."

Appendix B: Technical Specifications & Special Provisions

This section contains the technical specifications which apply to this project:

City of Alpharetta, Section 02900 – Landscaping

Special Provision, Section 150 – Traffic Control

Special Provision, Section 167 – Water Quality Monitoring

Special Provision, Section 900 – Brick Pavers

Special Provision, Section 999 – Miscellaneous Construction

Unless otherwise directed, all work performed under this Contract shall be in accordance with the State of Georgia Department of Transportation Standard Specifications for the Construction of Transportation Systems, 2021 Edition, any Reference Specifications modifying them, except as noted in the attached Special Provisions.

How to Obtain the Specifications:

- State of Georgia, Department of Transportation, STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, dated January 21, 2021

All of the specific sections from these standard specifications referred to in these Contract Documents are available for review and downloading at:

https://www.dot.ga.gov/PartnerSmart/Business/Source/specs/2021StandardSpecifications.pdf

CITY OF ALPHARETTA REQUEST FOR BIDS (ITB)

ITB Number: 23-002

ITB Title: Webb Bridge Road Intersection Improvements - Maid Marion Close to Webb Bridge Park

INFORMATION AND CONTRACT DRAFT

ITB Information

1. Bidder Acknowledgement

By submitting a Bid for this request, the authorized signer and represented firm have read, understand, and agree to information within this ITB's documents including all required and informational documents, files, and forms posted to the Bonfire project webpage for this ITB. These documents make up the ITB. They will become part of any contract that may be awarded because of responses to this ITB.

By sending a Bid, the Bidder acknowledges and agrees that:

a. The Bidder has carefully examined and fully understands the conditions and requirements of any proposed Work within this ITB.
b. The Bidder acknowledges that they completed a personal examination of the site of the proposed work (if applicable).
c. The Bidder is satisfied with the actual conditions and requirements of the proposed Work.

Acknowledging these statements, the Bidder proposes and agrees that if the Bidder's Bid is accepted, the Bidder will contract with the City in full agreement with the Contract Documents.

2. City's Authority and Right to Investigate

This procurement is issued under the authority of the City of Alpharetta's Procurement Policy, also following State of Georgia and Federal applicable laws. The City has the right to reject all bids or Bids, to reject any bid or Bid that has not followed or met the City's scope of work or specifications (non-responsive) or reject any bid or Bid that shows that a bidder cannot meet one or more of the requirements (non-responsibility). The City has the right to ignore unimportant mistakes that do not affect the work or service to be provided, the purchase of requested item(s), or Bid pricing in order to award a contract that is in the best interest of the City.

The City may make such investigations as considered necessary to determine the ability of the Bidder to provide the supplies and/or perform the services specified.

3. Receipt of Bids and Public Inspection

a. Public Information:

During the opening of Bids, the Bidder's name, Bid amount and other pertinent information will be read aloud and recorded. No other information will be disclosed at that time. Each Bid and all information received in response to this ITB, including copyrighted material, is deemed "public record" in accordance with O.C.G.A § 50-18-70, et seq., and will be subject to Public inspection and copying shortly after Bid opening with the following four exceptions:

1. Bona fide trade secrets that have been specifically identified, properly marked, separated, and documented and to which the Bidder has attached an affidavit declaring that such

specific information constitutes a trade secret pursuant to Article 27 of Chapter 1 of Title 10 of the Official Code of Georgia Annotated, will not be disclosed; provided however, if the City determines that such specifically identified information does not in fact constitute a trade secret, the City will notify the Bidder of its intent to disclose such information prior to its initial disclosure as required by law;

2. Matters involving individual safety, as determined by the City, may be withheld from disclosure;
3. Any company financial information in the form of records containing tax matters or tax information that is confidential under state or federal law, which has been requested by the City to determine vendor responsibility, unless prior written consent has been given by the Bidder will not be disclosed;
4. Any document or record, or portion thereof, containing information exempt from disclosure pursuant to O.C.G.A. § 50-18-70, et seq., may be withheld from disclosure as determined by the City; and
5. Any other document or record, or portion thereof, mandated by law to be kept confidential, as determined by the City.

All open records requests must be presented in writing along with specific items requested. The Open Records Request form is available from the City's main website and requested through the City Clerk's office.

b. Procurement Agent's Review of Bids:

The Procurement Agent in charge of the solicitation will open and review the Bids and separate out any information that meets the referenced exceptions noted above, providing the following conditions have been met:

1. Documents or records containing information that the Bidder wishes to keep confidential must be specifically identified and clearly marked and separated from the rest of the Bid by the Bidder;
2. The Bid does not contain any such confidential material in the cost/price section; and
3. An affidavit from the Bidder specifically identifying information as a trade secret and declaring that such information constitutes a trade secret pursuant to Article 27 of Chapter 1 of Title 10 of the Official Code of Georgia Annotated is attached to each separated document or record in the Bid that Bidder wishes to be kept confidential because it contains trade secrets.

Information separated out under this process will be available for initial review only by the Procurement Officer, Procurement Agent, and limited other designees. Bidders acknowledge that the act of separating out such information by the Procurement Agent does not operate to exempt such information from disclosure as a public record; rather, the disclosure of such information is governed by O.C.G.A. § 50-18-70, et seq. Bidders should be prepared to pay all legal costs and fees associated with defending a claim for confidentiality in the event an (open records) request is submitted by another party and the City determines that such information is subject to disclosure.

General Terms and Conditions

We will incorporate the City's standard terms and conditions into the Contract. Those terms and conditions are set forth below in this document and contract draft. Vendors must notify the City of any Terms and Conditions that either prevent them from responding to this procurement or add unnecessary cost. The Vendor must make this in writing notification either as a written question sent before the question deadline or with the Vendor's response.

We will address any requests received prior to the deadline for receipt of questions for material, substantive, important exceptions to the Terms and Conditions by formal written addendum issued by the designated Procurement Agent. The City reserves the right to address any non-material, minor, and/or insubstantial exceptions to the Terms and Conditions.

1. Additional Contract Provisions and Terms

The procurement, including all documents and appendices attached hereto, referenced herein and/or incorporated herein, and any addenda hereto, and the response of the awarded Contractor, including any amendments thereto, will be incorporated into the Contract (as previously set forth, all of such documents are collectively referred to as the "Contract Documents").

The Terms and Conditions set forth herein do not define the total extent of the contract language. In the event of a conflict or dispute as to the duties and responsibilities of the City and Contractor under any resulting Contract Documents, the Contract, will govern in accordance to the order of precedence set forth therein.

2. Time for Completion & Liquidated Damages

The Contractor shall commence performance of the Work with adequate force and equipment **within ten (10) calendar days** from receipt of Notice to Proceed or otherwise in the Contract or by Special Provision. The Contractor shall be required to continuously pursue the Work without interruption to completion, and to achieve **Final Completion** of the Work in five hundred forty (540) calendar days. "Substantial Completion" shall mean that stage in the progression of the Work in which same is sufficiently complete in accordance with the Contract such that the City can enjoy beneficial use and occupancy of the subject property or site and can utilize the improvements or renovations completed by the Work for their intended purpose. "Final Completion" shall mean the Work is complete in full accordance with this Contract and this Contract has been fully performed as determined by a final inspection of the City following the Contractor's request for same.

Liquidated damages will apply per GDOT Standard Specifications for Construction of Transportation Systems, 2021, Section 108.08. If the Contractor fails to achieve Substantial Completion and/or Final Completion by the dates set forth in the resulting contract, the Contractor shall be liable to the City for the sum of: $1,169.00 per day for each and every calendar day of unexcused delay in achieving Substantial Completion beyond the date set forth in the Contract; and $1,169.00 per day for each and every calendar day of unexcused delay in achieving Final Completion beyond the date set forth in the Contract, as applicable. Any sums due and payable hereunder by the Contractor shall be payable, not as a penalty, but as liquidated damages representing a reasonable pre-estimate of delay damages likely to be sustained by the City for any such breach, as it is mutually agreed that any such actual and consequential damages incurred by the City for such breach would otherwise be difficult to ascertain.

3. Performance Prior to Contract Execution

The successful Contractor shall not begin performance of the Project prior to the execution of a formal written contract by the City and the successful Contractor. Any Contractor beginning performance prior to the execution of the Contract shall be deemed to be proceeding at the Contractor's risk and shall not be entitled to any compensation for such performance. Under such circumstances, the City reserves the right to withdraw or cancel the award of the procurement.

4. Subcontractors

The lowest responsive and responsible Contractor will be the prime contractor if a contract is awarded and executed and shall be responsible, in total, for all work of any subcontractors. All subcontractors, if any, must be listed in the Contractor's response to this procurement. The City reserves the right to approve all subcontractors. The Contractor shall be responsible to the City for the negligent acts and negligent omissions of all subcontractors or agents and of persons directly or indirectly employed by such subcontractors, and for the acts and omissions of persons employed directly by the Contractor. Further, nothing contained within the procurement, or otherwise in the Contract Documents created as a result of any contract award derived from the procurement, shall create any contractual relationships between any subcontractor of the Contractor and the City.

5. Independent Contractor

The Contractor shall at all times be acting as an independent contractor and not be considered or deemed to be an agent, employee, joint venture, or partner of the City. The Contractor shall have no authority to contract for or bind City in any manner. Neither the Contractor nor its employees are employees of the City. The Contractor shall have and maintain the responsibility for and control of the rendition of the Work (including, the services performed) under the Contract, the discipline of its employees, and other matters incident to the performance of the Work (services, duties, and responsibilities as described and contemplated in the Contract). The Contractor is required to supply the City with proof of compliance with the Workers' Compensation Act while performing work for the City. Proof of compliance must be received with the Contractor's response to the procurement at the address listed on the Cover Page of the procurement.

6. Compliance with Illegal Immigration Reform and Enforcement Act

E-Verify Program:

The City of Alpharetta is committed to compliance with Federal and State laws requiring the verification of newly hired employees to ensure they are lawfully entitled to work in the United States. As such, the City shall not enter into a contract for the physical performance of services unless the Contractor registers and participates in a federal work authorization program (E-Verify). Further, Contractors submitting a Bid or Bid for the physical performance of service shall include a fully executed E-Verify affidavit as part of their Response to the procurement.

Requirement to Participate in a Federal Work Authorization Program (E-Verify):

No Contractor shall submit a response for the physical performance of service unless the Contractor participates in a Federal Work Authorization Program and complies with the requirements of O.C.G.A. § 13-10-91.

(1) Pursuant to O.C.G.A. § 13-10-91, the Contractor represents, warrants, acknowledges, and/or agrees that:

a. The Contractor has registered and participates in a federal work authorization program to verify the employment eligibility of all newly hired employees;

b. Subcontractors shall not enter into any contract with the Contractor for the physical performance of services within the State of Georgia unless such

subcontractor registers and participates in a federal work authorization program to verify the employment eligibility of all newly hired employees; and

c. Sub-subcontractors shall not enter into any contract with a subcontractor or sub-subcontractor for the physical performance of services within the State of Georgia unless such sub-subcontractor registers and participates in a federal work authorization program to verify the employment eligibility of all newly hired employees.

(2) As of the date of enactment of O.C.G.A. § 13-10-91, the applicable federal work authorization program is "E-Verify" (*https://e-verify.uscis.gov/enroll/StartPage.aspx?JS=YES*), operated by the United States Citizenship and Immigration Services Bureau of the United States Department of Homeland Security. Information and instructions regarding E-Verify program registration, corporate administrator registration, and designated agent registration can be found at such website address.

Contractor, Subcontractor, and Sub-subcontractor Evidence of Compliance:

(1) The Contractor, if entering a contract with the City providing the physical performance of services, shall comply with the requirements of O.C.G.A. § 13-10-91.

(2) Pursuant to O.C.G.A. §13-10-91, in the event the Contractor employs or contracts with a subcontractor in connection with a covered contract, Contractor shall secure from such subcontractor attestation of the subcontractor's compliance with O.C.G.A. § 13-10-91 by the subcontractor's execution of the subcontractor affidavit, the form of which is provided in *Appendix A,* hereof, and maintain records of such attestation for inspection by the City at any time. Such subcontractor affidavit shall become a part of the contractor/subcontractor agreement.

(3) Pursuant to O.C.G.A. §13-10-91, in the event the Contractor employs or contracts with a subcontractor that employs or contracts with any sub-subcontractor, the subcontractor will secure from such sub-subcontractor attestation of the sub-subcontractor's compliance with O.C.G.A. § 13-10-91 by the sub-subcontractor's execution of the sub-subcontractor affidavit, the form of which is also provided in *Appendix A* hereof, and maintain records of such attestation for inspection by the City at any time. Such sub-subcontractor affidavit shall become a part of the subcontractor/sub-subcontractor agreement.

(4) The Contractor shall comply with any and all other applicable requirements and provisions of O.C.G.A. § 13-10-91 and other applicable rules and regulations promulgated in relation thereto.

(5) All portions of contracts pertaining to compliance with O.C.G.A. § 13-10-91 and all other applicable rules and regulations promulgated in relation thereto, and any affidavit related hereto, shall be open for public inspection in this State at reasonable times during normal business hours.

Forms necessary to ensure compliance with this section are included in Required Forms and must be received at the address listed on the procurement's Cover Page prior to review of Contractor's response.

7. Compliance with Laws

The Contractor shall, in performance of work under the Contract, fully comply with all applicable federal, state, or local laws, rules, and regulations, including, but not limited to, Title VI of the Civil Rights Act of 1964 and its amendments, the Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, and Section 504 of the Rehabilitation Act of 1973. Any subletting or subcontracting by the Contractor subjects subcontractors to the same provision. The Contractor agrees that the hiring of persons to perform the contract will be made on the basis of merit and

qualifications and there will be no discrimination based upon race, color, religion, gender, national origin or ancestry, age, creed, marital status, physical or mental disability, or political ideas by the persons performing the contract.

8. Termination

This Contract may be terminated prior to the term ending by either party in the event of substantial failure or default of the other party to fulfill its obligations under this Contract. Prior to such termination, the non-defaulting party shall give notice to the defaulting party of the failure or default. Such party shall have fifteen (15) days from the date of the notice to cure the default or failure if such default or failure is capable of being cured. Upon failure to cure the default or failure within fifteen (15) days, or if such failure or default is not capable of being cured, the non-defaulting party may terminate the Contract effective immediately upon the provision of written notice as provided in Section 15 (*Notices*). The Contract may also be terminated prior to expiration of the term by the City for City's convenience upon the provision of not less than fourteen (14) days written notice to the Contractor. In the event of such termination, the Contractor shall be compensated for services performed prior to termination. Such amount shall be paid by the City upon the Contractor's delivering or otherwise making available to the City, all data, drawings, specifications, reports, estimates, summaries and other information and materials as may have been accumulated by the Contractor in performing the services included in this Contract, whether completed or in progress. All unperformed obligations incurred by Contractor prior to such date shall survive termination of this Contract.

9. Annual Appropriation and Renewal

Notwithstanding any other provision or provisions of this Contract, pursuant to O.C.G.A. § 36-60-13, this Contract will terminate immediately and absolutely if the City determines that adequate funds are not appropriated or granted or funds are de-appropriated such that the City cannot fulfill its obligations under the Contract, which determination is at the City's sole discretion and shall be conclusive.

10. Ownership of Work Product

In the event Contractor prepares, pursuant to the performance of this Contract, any drawings, plans, studies, reports, specifications, other documents (the "Work Product"), the City shall be deemed the owner of the original of all such Work Product, and all statutory and common law rights with respect to such Work Product shall accrue to the City, provided the City has paid for the services in full.

11. General Insurance Requirements

A. Required with each bid:

Bidders shall provide certificate of current Proof of Insurance.

B. Insurance Requirements:

Upon Council approval, the awarded Contractor shall provide the City with a Certificate of Insurance (COI) to the procurement agent listed on the cover page for this ITB. The COI shall indicate the existence of the policies prior to the beginning of the contract work or term. Thereafter, a renewal certificate shall be delivered to the City at least thirty (30) days prior to the expiration date of each expiring policy. If at any time, any of the policies shall be or become unsatisfactory to the City as to form or substance, or any of the carries issuing such policies shall be or become unsatisfactory to the City, the Contractor shall deliver to the City representative upon demand a

certified copy of any policy required herein for review. The Certificates of Insurance shall state that the City of Alpharetta is additionally insured.

- **Workers Compensation:** Workers Compensation $500,000 per accident per employee with waiver of subrogation. Required documentation includes certificate from insurance company showing issuance of workmen's compensation coverage for the State of Georgia.
- **Comprehensive General Liability Insurance:**

Commercial General Liability	$1,000,000 each occurrence $1,000,000 aggregate

- **Comprehensive Auto Liability Insurance:**

Bodily Injury Liability	$1,000,000 each occurrence
Property Damage Liability	$ 100,000 each occurrence

- **Excess Umbrella Liability:**

Combined Single Limit Bodily Injury and / or Property Damage	$1,000,000 each occurrence $1,000,000 aggregate

Insurance; Indemnification. The awarded Contractor shall maintain the types and amounts of insurance set forth as from time to time reasonably shall be requested by the City. The awarded Contractor shall provide proof of such insurance to the City at the same time as the execution of any resulting Contract and/or purchase order, and as and when requested by the City during the term hereof. Acceptance of a certificate or proof of insurance does not constitute approval or agreement by the City that the insurance requirements have been satisfied. The awarded Contractor shall indemnify and hold the City harmless from all claims, demands, losses, attorneys' fees and liabilities of any type or nature arising out of or related to the Contractor's, or Contractor's agents', employees' or subcontractors', negligent performance or non-performance of any resulting Contract and/or purchase order, including, but not limited to, claims for injury to person or property; provided, however, that this indemnification obligation shall not apply to claims arising from the sole negligence of the City or its employees. Nothing in this paragraph or any resulting Contract and/or purchase order shall be deemed to constitute a waiver of the City's sovereign immunity, create rights in any third party, or create any third-party beneficiaries.

12. Retainage Requirements

For construction contracts (O.C.G.A § 13-10-80), including road construction contracts (other than GDOT projects), the City will withhold retainage of 5% of the gross value from each invoice or pay application.

In the instance that change order is added to the contract value, total retainage to be withheld will increase proportionately.

No retainage shall be held from design services. Contractor must submit separate invoices for design services

When all Work is completed and final acceptance has been approved by the City, the Contractor may invoice for the amount retained.

13. Sample Contracting Documents

A. **Subcontractor Participation List:** For all applicable projects totaling over $50,000.00 and with a service-related component, the City requires contractors to agree to the public disclosure of the names of any first-tier subcontractors engaged to perform services in relation to the contract.

Contractors are required to inform relevant subcontractors that the subcontractor's participation in fulfilling the contract may be publicly disclosed.

The contractor shall provide a list of subcontractors to the City with each invoice or application for payment submitted. The list shall include the subcontractor's name and scope of service provided.

B. **Final Affidavit:** For all applicable projects involving construction or progress milestones, Final Affidavit may be required as part of project close-out.

C. **Subcontractor E-Verify Affidavit** and **Sub-Subcontractor E-Verify Affidavit**: It is the responsibility of the awarded contractor to require all subcontractors and sub-subcontractors to complete the correct affidavit. It will be the duty of the awarded Contractor to submit copies of all affidavits, drivers' licenses, and/or identification cards required pursuant to this Section, as applicable, to the City within five (5) business days of receipt.

D. **Report and Affidavit Sample Copies** are included at the end of this document in Appendix B

14. Disclosure

Any Consultant as defined in O.C.G.A. §36-80-28 that is engaged to develop or draft specifications/requirements or serve in a consultative role during the procurement process for any City procurement method, by entering into such an arrangement or executing a contract that the consultant agrees to: (1) Avoid any appearance of impropriety and must follow all policies and procedures of the City; (2) disclose to the City any material transaction or relationship pursuant to §36-80-28, considered a conflict of interest, any involvement in litigation or other dispute, relationship or financial interest not disclosed in the Disclosure form; and (3) Acknowledge that any violation or threatened violation of the agreement may cause irreparable injury to the City, entitling the City, to seek injunctive relief in addition to all other legal remedies. This requirement does not apply to confidential economic development activities pursuant to §50-18-72 or to any development authority for the purpose of promoting the development of trade, commerce, industry, and employment opportunities or for other purposes and, without limiting the generality of the foregoing, must specifically include all authorities created pursuant to Title 36 Chapter 62; However, per provisions of subparagraph (e)(1)(B)of Code Section 36-62-5 reporting of potential conflicts of interest by development authority board members is required.

15. Compliance with Title VI of the Civil Rights Act of 1964

The City of Alpharetta, as a federal grant recipient, conforms to Title VI of the Civil Rights Act of 1964 and its amendments. Title VI of the Civil Rights Act of 1964 requires that no person in the United States will, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Presidential Executive Order 12898 addresses environmental justice in minority and low-income populations. Presidential Executive Order 13166 addresses services to those individuals with limited English ability.

The City is committed to enforcing the provisions of Title VI and to taking positive and realistic affirmative steps to ensure the protection of rights and opportunities for all persons affected by its programs.

Any person who believes they have been subjected to unlawful discriminatory practice under Title VI has a right to file a formal complaint. Any such complaint must be filed in writing or in person with the City of Alpharetta's, Title VI Compliance Officer, within one hundred-eighty (180) days following the date of the alleged discriminatory action. For more information or Title VI Discrimination Complaint Forms contact the Title VI Compliance Officer at the following:

Human Resources: Title VI Compliance
City of Alpharetta

2 Park Plaza
Alpharetta, GA 30009
Tel: 678-297-6014

16. Substitutions and Change Orders

NO substitutions of material, schedule cancellations, or Change Orders are allowed after Contract award without written approval by the Director of the contracting City Department or his authorized representative. Cumulative Change Orders more than $50,000.00 or 10% of the original contract will require the approval of the City Council.

Where specific employees are proposed by the Contractor for the work, those employees must perform the work as long as those employees work for the Contractor, either as employees or subcontractors, unless the City agrees to a replacement or requests same based on an objective standard of review of past performance. We will review requests for any substitution and may be approved by the City at its sole discretion. We will not recognize any verbal agreements to the contrary. In the event a substitution of a Contractor employee is required due to termination of employment by Contractor, Contractor must provide the City with prompt written notice of the need for such substitution and must cooperate with the City in providing a replacement.

17. Bonding Requirements

A. **Bid Bond**

A bid bond for 5% of bid total required and must be submitted with bid prior to bid due date/time.

By signing and submitting this bid to the City, **BIDDER** agrees that in case of failure on their part to execute said contract and bond, or provide satisfactory proof of carriage of the insurance required, within fourteen (14) calendar days after the award thereof, the Bid Bond or certified check accompanying their bid and the money payable thereon will be forfeited to the **CITY** as liquidated damages; otherwise, the check or Bond accompanying this bid will be returned to the **BIDDER**.

Refer to ITB Forms, Bid Bond for required Bid Bond form.

B. **Performance and Payment Bonds**

Prior to commencing the Work, the Contractor, as principal, and a surety company listed in the Federal Register and licensed to write surety insurance in the State of Georgia, as surety, must give a Performance Bond in the amount of one hundred percent (100%) of the price of the Contract and a Payment (Labor and Material) Bond, in the amount of one hundred percent (100%) of the price of the Contract.

"Performance bond" means a bond with good and sufficient sureties or guarantees for the faithful performance of the Contract and to indemnify the City for any damages occasioned by a failure to perform same within the prescribed time. Such bond must be payable to, in favor of, and for the protection of the City.

"Payment bond" means a bond with good and sufficient sureties or guarantees payable to the City and intended for the use and protection of all subcontractors and all persons supplying labor, materials, machinery, and equipment in the prosecution of the Work provided for in the Contract for the use of all persons doing work or furnishing skills, tools, machinery, or materials under or for the purpose of constructing the Project. The life of these bonds must extend through the Final Completion date of the Project for an added sixty (60) day maintenance period (where applicable) and a twelve-month warranty/guarantee period after Final Completion.

Refer to Appendix C at the end of this document for Sample Performance and Payment Bond forms.

18. Invoicing, Payment Processing, ePayables

Replying to this ITB confirms Bidder's agreement to accept electronic payments (*ePayables*) of invoices if awarded the contract.

Contract Draft

A separate contract draft document has been posted for Consultant's review at the Bonfire documents site for this ITB.

Appendix A: City Truck Route Allowed Truck Routes and Map

Certain trucks may travel in and through the City of Alpharetta using only those streets and roads highlighted in the Truck Route Map provided in Appendix A of this document and available for review online at:

http://www.alpharetta.ga.us/government/departments/public-works/alpharetta-truck-routes.

As noted in Chapter 18 (Traffic) of the Code of the City of Alpharetta, Georgia, except as specifically set out herein, trucks (defined as motor vehicle having a gross vehicular weight rating (G.V.W.R.) in excess of thirty-six thousand pounds (36,000 lbs.) or having an overall length in excess of thirty feet (30'), except vehicles designed to carry passengers) are prohibited from using any street within the City except those designated below:

1) SR 9 (North Main Street – South Main Street)
2) SR 120
3) Haynes Bridge Road (SR 120 to City Limits)
4) Hembree Road (Westside Parkway to Roswell City Limits continuing on Roswell Truck Route)
5) Mansell Road
6) Maxwell Road (SR 9 to Hembree Road)
7) McGinnis Ferry Road
8) North Point Parkway
9) Union Hill Road
10) Westside Parkway
11) Windward Concourse
12) Windward Parkway (SR 9 to Union Hill Road)

Exceptions to the above schedule are when the terminal, parking lot, repair garage, headquarters, place of pickup or delivery of the restricted motor vehicle is not on a designated truck route, ingress to and egress from such places will be made by the most direct route available between the terminal, parking lot, repair garage, headquarters, place of pickup or delivery and the nearest designated truck route.


LEGEND
Truck Route
Future Roadway Project will upgrade weight restricted bridge. McGinnis Ferry Through Alpharetta will become a Truck Route
Note:
Restricted vehicles must stay on designated truck routes UNLESS a destination necessary for business, such as a pickup or delivery point, garage, or terminal is accessible only via a non-designated truck route. Ingress and egress to and from such points shall be made by most direct route available from nearest designated truck routes.
DATE OF LAST MAP REVISION
April 10, 2017
N
E
S
W
FORSYTH COUNTY
JOHNS CREEK
MILTON
ROSWELL
KIMBALL BRIDGE RD
SOURCE NOTE: THIS PRODUCT IS REPRODUCED FROM GEOSPATIAL INFORMATION PREPARED BY CITY OF ALPHARETTA GIS AND FULTON COUNTY. CITY OF ALPHARETTA DATA IS DEVELOPED AND MAINTAINED SOLELY FOR CITY BUSINESS FUNCTIONS AND IS NOT GUARANTEED TO BE ACCURATE.

Appendix B: Informational Forms (not returned in Bid package)

Subcontractor E-verify Affidavit

AFFIDAVIT VERIFYING SUBCONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract with _____ (contractor) on behalf of the **City of Alpharetta (GA)** has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the subcontractor with the information required by O.C.G.A. § 13-10-91(b). Additionally, the undersigned subcontractor will forward notice of the receipt of an affidavit from a sub-subcontractor to the contractor within five business days of receipt. If the undersigned subcontractor receives notice that a sub-subcontractor has received an affidavit from any other contracted sub-subcontractor, the undersigned subcontractor must forward, within five (5) business days of receipt, a copy of the notice to the contractor.

Subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization (E-Verify) User Identification Number

_____
Date of Authorization

_____
Name of Subcontractor

_____
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, ____, 201__ in _____ (city), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE ____ DAY OF _____, 201__.

_____ _____
NOTARY PUBLIC My Commission Expires

Sub-subcontractor E-verify Affidavit

THE CITY OF
ALPHARETTA
GEORGIA

AFFIDAVIT VERIFYING SUB-SUBCONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM

By executing this affidavit, the undersigned sub-subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract for _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract) and _____ (contractor) on behalf of the **City of Alpharetta (GA)** has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned sub-subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned sub-subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the sub-subcontractor with the information required by O.C.G.A. § 13-10-91(b). The undersigned sub-subcontractor shall submit, at the time of such contract, this affidavit to _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract). Additionally, the undersigned sub-subcontractor will forward notice of receipt of any affidavit from a sub-subcontractor to _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract.

Sub-subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization (E-Verify) User Identification Number

_____
Date of Authorization

_____
Name of Sub-subcontractor

_____
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, ____, 201__ in _____ (city), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE ____ DAY OF _____, 201__.

_____ _____
NOTARY PUBLIC My Commission Expires

Subcontractor Participation List

To: City of Alpharetta, Georgia

From: [Contractor/Consultant Name]

Re: ITB 23-002, Webb Bridge Rd Intersection Improvements - Maid Marion Close to Webb Bridge Park

Date: [Date of Accompanying Invoice]

Is the accompanying invoice the final invoice for this project? _____ Yes _____ No

Select one of the following:

_____ No subcontractors providing a service have been utilized on this project.

_____ Below is a list of all subcontractors which have provided a service on this project.

	Subcontractor Name	Scope of Services
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Add additional pages as needed to list all subcontractors.

Final Affidavit

[Optional: For construction projects. Remove if not appropriate for this Qualification]
TO: CITY OF ALPHARETTA, GEORGIA

I, _____, hereby certify that all suppliers of materials, equipment and service, Subcontractors, mechanics, and laborers employed by _____ or any of their Subcontractors in connection with the Work of:

> **WEBB BRIDGE RD INTERSECTION IMPROVEMENTS - MAID MARION CLOSE TO WEBB BRIDGE PARK** project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, construction of a roundabout at Webb Bridge Road and Webb Bridge Way, installation of pedestrian lighting, installation of landscaping, and related work, more particularly described in the **CONTRACT** (hereafter called the **PROJECT**),

in the CITY OF ALPHARETTA have been paid and satisfied in full as of _____, 20___ , and that there are no outstanding obligations or claims of any kind for the payment of which **CITY** on the above-named project might be liable, or subject to, in any lawful proceeding at law or in equity. Schedule of Subcontractor Participation has been completed and made part of this Final Affidavit.

_____
Signature

_____
Title

Personally appeared before me this _____day of_____ , 20___ .

_____, who under oath deposes and says: that they are of the firm of _____; that they have read the above statement; and that to the best of their knowledge and belief same is an exact true statement.

_____
Notary Public

_____
My Commission Expires

Appendix C: Sample Contract Bond Forms (not returned in Bid package)

Do not return these forms with Bids. Only the awarded contractor will have to supply these bonds.

A. 100% Performance Bond
B. 100% Labor and Material Payment Bond

[The rest of page intentionally blank]

100% Performance Bond

BOND # _____

KNOW ALL MEN BY THESE PRESENTS: that, _____, as Principal, hereinafter called **CONTRACTOR**, and _____, a corporation organized and existing under the laws of the State of Georgia, hereinafter called **SURETY**, are held and firmly bound unto CITY OF ALPHARETTA, GEORGIA, as oblige, hereinafter called **CITY** and their successors and assigns, in the penal amount of _____DOLLARS ($_____) for the payment of which the **CONTRACTOR** and **SURETY** bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly be these presents.

WHEREAS CONTRACTOR has by written agreement dated _____, 20____ , entered into a written construction contract, hereinafter referred to as the **CONTRACT,** with **CITY** for:

> **WEBB BRIDGE RD INTERSECTION IMPROVEMENTS - MAID MARION CLOSE TO WEBB BRIDGE PARK** project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, construction of a roundabout at Webb Bridge Road and Webb Bridge Way, installation of pedestrian lighting, installation of landscaping, and related work, more particularly described in the **CONTRACT** (hereafter called the **PROJECT**),

in accordance with drawings and specifications prepared by **CITY**, which **CONTRACT** is by reference made a part hereof.

NOW, THEREFORE, the conditions of this obligation are such that, if **CONTRACTOR** must fully and completely perform all the undertakings, covenants, terms, conditions, warranties and guarantees contained in said **CONTRACT**, including all modifications, amendments, changes, deletions, additions and alterations thereto that may hereafter be made, then this obligation will be null and void, otherwise it will remain in full force and effect.

Whenever **CONTRACTOR** is, and declared by **CITY** to be in default under the **CONTRACT**, the **CITY** having performed **CITY**'s obligation thereunder, the **SURETY** will promptly remedy the default promptly as follows:

1. Complete the **CONTRACT** in accordance with its terms and conditions; or,
2. Obtain a bid or bids for completing the **CONTRACT** in accordance with its terms and conditions, and upon determination by **SURETY** and the **CITY** of the lowest responsible bidder, arrange for a contract between such Bidder and the **CITY**, and make available as **PROJECT** progresses (even though there should be a default or a succession of defaults under the **CONTRACT** or Contract of Completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the **SURETY** may be liable hereunder, the penal sum set forth in the first paragraph hereof. The term "Balance of the Contract Price", as used in this paragraph will mean the total amount payable by **CITY** to **CONTRACTOR** under the **CONTRACT** and any amendments hereto, less the amount properly paid by **CITY** to **CONTRACTOR**.
3. Allow the **CITY** to complete the **PROJECT** and reimburse the **CITY** for all reasonable costs incurred in completing the **PROJECT.**

100% Performance Bond

The **SURETY** hereby waives notice of any and all modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and any other amendments in or about the **CONTRACT**, and agrees that the obligations undertaken by this bond will not be impaired in any manner by reason of any such modifications, omissions, additions, changes, alterations, extensions of time, change in payment terms, and amendments.

The **SURETY** hereby agrees that this bond will be deemed amended automatically and immediately, without formal or separate amendments hereto, upon any amendment to the **CONTRACT**, so as to bind the **CONTRACTOR** and the **SURETY** to the full and faithful performance of the **CONTRACT** as so amended or modified, and so as to increase the penal sum to the adjusted Contract Price of the **CONTRACT**.

No right of action will accrue on this bond to or for the use of any person, entity, or corporation other than the **CITY** and any other obligee named herein, or their executors, administrators, successors, or assigns.

This Bond is intended to comply with O.C.G.A. § 36-91-70 and will be interpreted to comply with the minimum requirements thereof. However, in the event the express language of this bond extends protection to the **CITY** beyond that contemplated by O.C.G.A. § 36-91-70, or any other statutory law applicable to this **PROJECT**, then the additional protection will be enforced in favor of the **CITY**, whether or not such protection is found in the applicable statutes.

No action can be instituted on this bond after one year from the completion of the **CONTRACT** and the acceptance by the **CITY** of the work thereunder.

IN WITNESS WHEREOF the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

Signed and sealed this _____day of_____ , 20___ .

In the presence of:

CONTRACTOR: _____

_____
Witness

By:_____(Seal)

SURETY: _____

_____
Witness

By:_____ (Seal)
Georgia Representative

SURETY Contact Information:

Address: _____

_____

_____

Phone: _____

Email: _____

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

BOND # _____

100% Labor and Material Payment Bond

KNOW ALL MEN BY THESE PRESENTS: that, _____, as Principal, hereinafter called **CONTRACTOR**, and _____, a corporation organized and existing under the laws of the State of Georgia, hereinafter called **SURETY**, are held and firmly bound unto CITY OF ALPHARETTA, GEORGIA, as oblige, hereinafter called **CITY** and their successors and assigns, in the penal amount of _____DOLLARS ($_____)

for the payment of which the **CONTRACTOR** and **SURETY** bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly be these presents.

WHEREAS CONTRACTOR has by written agreement dated _____, 20____ , entered into a written construction contract, hereinafter referred to as the **CONTRACT,** with **CITY** for:

> **WEBB BRIDGE RD INTERSECTION IMPROVEMENTS - MAID MARION CLOSE TO WEBB BRIDGE PARK** project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, construction of a roundabout at Webb Bridge Road and Webb Bridge Way, installation of pedestrian lighting, installation of landscaping, and related work, more particularly described in the **CONTRACT** (hereafter called the **PROJECT**)

in accordance with drawings and specifications prepared by **CITY**, which **CONTRACT** is by reference made a part hereof.

NOW, THEREFORE, the condition of this obligation is such that if **CONTRACTOR** will promptly make payment to all persons working on or supplying labor or materials under the **CONTRACT**, and any amendments thereto, with regard to labor or materials furnished and used in the **PROJECT**, and with regard to labor or materials furnished but not so used, then tis obligation will be void; but otherwise it will remain in full force and effect subject, however, to the following conditions:

1. A Claimant will be defined as any subcontractor, person, [arty, partnership, corporation or other entity furnishing labor, services, or materials used, or reasonably required for use, in performance of the **CONTRACT**, without regard to whether such labor, services, or materials were sold, eased, or rented, and without regard to whether such Claimant is or is not in privity of contract with the **CONTRACTOR** or any subcontractor performing work on the **PROJECT**, including, but not limited to, the following labor, services, or materials: water, gas, power, light, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the **CONTRACT**.
2. In the event a Claimant files a claim against the **CITY**, or the property of the **CITY**, and the **CONTRACTOR** fails or refuses to satisfy or discharge it promptly, the **SURETY** will satisfy or discharge the claim promptly upon written notice from the **CITY**, either by bond or as otherwise provided in the **CONTRACT**.
3. The **SURETY** hereby waives notice of any and all modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and any other amendments in or about the **CONTRACT** and agrees that the obligations undertaken by this bond will not be impaired in any manner by reason of any such modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and amendments.

100% Labor and Material Payment Bond

4. The **SURETY** hereby agrees that this Bond will be deemed amended automatically and immediately, without formal or separate amendments hereto, upon any amendment or modification to the **CONTRACT**, so as to bind the **CONTRACTOR** and **SURETY**, jointly and severally, to the full payment of any Claimant under the **CONTRACT**, as amended or modified, provided only that the **SURETY** will not be liable for more than the penal sum of the Bond, as specified in the first paragraph hereof.
5. This Bond is made for the use and benefit of all persons, firms, and corporations who or which may furnish any materials or perform any labor for or on account of the construction to be performed or supplied under the **CONTRACT**, and any amendments thereto, and they and each of them may sue hereon.
6. No action may be maintained on this Bond after one (1) year from the date the last services, labor, or materials were provided under the **CONTRACT** by the Claimant prosecuting said action.
7. This Bond in intended to comply with O.C.G.A. § 36-91-90 and will be interpreted to comply with the minimum requirements thereof. However, in the event the express language of this Bond extends protection to the **CITY** beyond that contemplated by O.C.G.A. § 36-91-90, or any other statutory law applicable to this **PROJECT**, then the additional protection will be enforced in favor of the **CITY**, whether or not such protection is found in the applicable statutes.

Signed and sealed this _____day of_____ , 20___ .

In the presence of:

CONTRACTOR: _____

_____ By:_____ (Seal)
Witness

SURETY: _____

_____ By:_____ (Seal)
Witness Georgia Representative

100% Labor and Material Payment Bond

Surety Contact Information:

Address: _____

_____

_____

Phone: _____

Fax: _____

Email: _____

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

SECTION 02900
LANDSCAPING
(Revised 05/13/2022)

PART 1 – GENERAL

1.01 SCOPE OF WORK

A. Provisions established within the General and Supplementary Conditions of the Contract, Division 1 – General Requirements, and the Construction Drawings are collectively applicable to this section.

B. Extent of landscape work is indicated on Drawings and in Schedules. Where specifications and plans contradict, the more stringent requirements shall apply. Where written and drawn quantities contradict, the drawn quantities shall apply.

C. Provide all labor, material and equipment required or inferred from Drawings and Specifications to complete the Work of this Section.

1.02 QUALITY ASSURANCE

A. Reference Standards:

1. Standardized Plant Names, 1988 edition, by the American Joint Committee on Horticultural Nomenclature.

2. American Standard for Nursery Stock, ANSI Z-60.1, 2014 edition, by American Horticulture Industry Association.

B. Source Quality Control:

1. General: The only plant material accepted will be grown in an established nursery within industry standard horticultural practice. The stock will be free of disease, insects, eggs, larvae, and defects such as knots, sun-scald, injuries, abrasions or disfigurement.

2. Inspection of Plant Material prior to Digging:

a. Contractor will secure all plant material to be supplied for the Project and inform the City Representative in writing of supplier location(s) within ten (10) days of the Contract being awarded.

b. City Representative reserves the right to approve 100% of plant materials for the Project provided by the Contractor's sources.

c. Should the plant material be determined unacceptable, the Contractor will pursue other sources until acceptable plant material is obtained, at no additional cost to the City of Alpharetta.

d. Approval at the plant source or by other means of communication such as email does not affect the City's right to reject material at the time of delivery or before, during or after installation.

e. Contractor will inform the City Representative 72 hours prior to delivery of plant material to arrange for an inspection. The City Representative reserves the right to be present during delivery and to inspect the plant material prior to installation. The City Representative may reject plant materials at this time. Approval of delivered material does not affect the City's right to reject material before, during or after installation.

3. Shipping:

a. Landscape materials will be shipped with certificates of inspection as required by governing authorities. Inspection by Federal and/or State Governments at the site does not preclude rejection of plant material by the City Representative. Plants must be properly prepared for shipment to avoid damage.

b. Plant material may be rejected if not properly shipped. Water plant material during shipment as needed to avoid damage.

c. Do not ship plant material when temperatures are below 20 degrees Fahrenheit.

C. Analysis and Standards: Package standard products with manufacturer's certified analysis. For other materials, provide analysis by a recognized laboratory.

D. Do Not Make Substitutions: If specified landscape material is not available, submit to the City Representative proof of non-availability from reliable nursery sources (AmericanHort members) and proposal for use of equivalent material. Proof of non-availability must be submitted if the plant in question is not available in the Eastern United States.

1.03 SUBMITTALS

A. Material Approvals: All materials requiring approval by the City Representative must be submitted so that approval is obtained **prior to beginning of Work**.

Standard landscape materials that require samples to be submitted for approval include, but are not limited to:

1. Hardwood Mulch
2. Organic Compost Product (with certified analysis)
3. Off-site Fill/Backfill Dirt (with soil test report)
4. Root Barrier (at discretion of the City, product cut-sheet may be accepted in lieu of sample)

B. Soil Test Reports: When soil test reports are required, obtain reports from a City approved laboratory such as UGA Cooperative Extension Office. Reports shall not be older than 30 days at time of submittal to City. Cost of soil test reports shall be borne by the Contractor.

Reports shall be based on the specified "crop" and include the following data:

1. Existing and Recommended pH levels.
2. Existing phosphorous, potassium, calcium, magnesium, zinc, and manganese content.
3. Recommended nutrient (fertilizer, lime, etc.) applications.

C. Certified Analysis: Organic Compost Products (OCP) must provide Certified Analysis that includes all the Soil Test Report content outlined above. Additionally, it must include Organic Matter (OM) content. The analysis may be obtained from the OCP manufacturer or an independent lab. Certified Analysis shall not be older than 90 days at time of submittal to City.

D. Planting Schedule: At least one week prior to beginning work, Contractor must submit a planting schedule with dates outlining the different components/stages of the project from start to finish.

E. Certifications: Prior to beginning work, submit certificates of inspection (if required by governmental authorities), certified analysis for soil amendments and fertilizer materials, and any other data needed to establish that materials comply with specified requirements.

F. Approval and Selection of Materials and Work: The selection of all Materials and the execution of all Work required under the Drawings and Specifications are subject to the approval of the City Representative. The City Representative has the right to reject any and all materials and all Work which, in their opinion, does not meet the requirements of the Contract Documents at any stage of the work operations. The Contractor shall remove rejected work and or materials from Project site and replace promptly.

1.04 DELIVERY, STAGING, AND HANDLING

A. Packaged Materials: Deliver packaged materials in containers displaying weight, analysis, and name of manufacturer. Protect materials from damage during delivery and while stored on site.

B. Sod: Sod should be delivered and installed within 24 hours of cutting and shall be protected from drying and breaking until installation is complete. **Sod shall not be allowed to be staged at the work site for more than 6 hours prior to installation.**

C. Trees, Shrubs and Groundcover: Provide freshly dug trees and shrubs. Do not prune prior to delivery. Do not damage bark or branches in handling. Cover and protect during shipment.

D. Delivery and Staging: Deliver trees and other plant material AFTER planting preparations have been completed and install IMMEDIATELY. Any delay of planting exceeding 6 hours requires proper staging and storage including: Daily watering as needed to keep roots moist, protection from severe weather, wildlife, and other physical damage. Stage all trees, shrubs, and other plants in a shaded area.

E. Labels: Label at least one tree and one shrub of each variety with a securely attached waterproof tag designating its botanical and common name. Do not remove labels on plant materials until Final Acceptance by Owner.

1.05 JOB CONDITIONS

A. Insurance on plant material and other stored or installed materials is the responsibility of the Contractor. The Contractor is liable for any losses due to theft, fire or vandalism incurred prior to date of Substantial Completion of the work. Owner shall in no way be held responsible for any loss of plant material and other stored or installed materials due to fire, theft, or vandalism.

B. Proceed with and complete all landscape work as soon as portions of the site become available.

C. Existing Utilities: Locate all underground utilities. Avoid possible damage to utilities. All damages to utilities resulting from this contract work will be repaired at the Contractor's expense. Contractor must notify the City Representative of any conflicts between proposed plant material and underground/overhead utilities.

D. Excavations: When conditions detrimental to plant growth are encountered, such as debris, poor drainage, or other subsurface deterrents, immediately notify City Representative in writing.

E. Planting Schedule: Prepare a proposed planting schedule per Section 1.03. Coordinate the schedule as needed with the general Contractor and/or any other concerned subcontractors. Plant trees after final grades are established and prior to planting of sod, unless otherwise stated. If planting of trees and other large plant material occurs after sodding work, protect sodded areas and promptly repair damage to sodded areas resulting from planting operations.

1.06 WARRANTY

A. Warranty: Following the date of Substantial Completion, the Contractor shall warranty all materials against any defects or death as follows:
   1. **All shrubs, groundcovers and other plants, turf, irrigation, lighting, etc. shall be warrantied for a one-year period.**
   2. **All trees shall be warrantied for a two-year period.**

   Defects and death shall be determined by the City Representative. Damage by others or severe acts of nature beyond the Contractor's control are excepted.

B. Removal and Replacement: Remove and replace all dead, defective, or undesirable plant material as soon as noticed or directed by the City Representative, during the warranty period. Make replacements as soon as possible during the next acceptable planting season (Spring or Fall) as directed by the City Representative. All replacements will be at the expense of the Contractor.

C. Replacement Material: Replacements must match the original specifications, including size, species, variety, part number, etc. Replacements are subject to all requirements stated in the Contract Documents. **All replacements will carry the original specified warranty for that item, beginning upon the replacement planting date**. For example, a tree planted in January that dies during its first summer and is then replaced on November 1st shall result in the start of a new two-year warranty on the November 1st replacement date.

1.07 TRAFFIC CONTROL

A. **The Contractor shall be fully responsible for traffic control on the project**.

B. Traffic control shall comply with the Manual for Uniform Traffic Control Devices (MUTCD), Latest Edition.

C. The Contractor shall submit a traffic control plan to the City Representative for approval. The traffic control plan shall detail all lane shifts, lane closures, detours, barrel spacing, etc. and shall comply with the Manual for Uniform Traffic Control Devices (MUTCD), Latest Edition.

D. **Contractor shall not impact traffic before 9:00 AM and after 4:00 PM.**

PART 2 – PRODUCTS

2.01 ORGANIC COMPOST PRODUCTS (OCP)

Planting soils shall be amended with an Organic Compost Product, such as *Sugar Hill Soil Conditioner* by Cowart Mulch, as outlined in Section 3.02 of this document. The proposed OCP must include Certified Analysis and must be pre-approved by the City Representative prior to beginning work.

2.02 FERTILIZER AND OTHER SOIL NUTRIENTS

Contractor must provide nutrient applications (fertilizer, lime, etc.) as recommended by the Soil Test Report for each planting location. Products must be applied at the rate specified per Soil Test Report and according to manufacturer's instructions. All fertilizers must be slow-release products, unless otherwise specified. Proposed fertilizer/nutrient products must be pre-approved by the City Representative prior to application.

2.03 PLANT MATERIALS

A. General:

1. Provide plants true to species and variety, complying with recommendations of ANSI Z60.1-2014 "American Standard for Nursery Stock".

2. Specific requirements concerning plant material are shown on the Drawings and Plant List (or Plant Schedule).

B. Quality and Size:

1. Furnish nursery grown plants that are well branched, fully foliaged when in leaf, and with healthy well developed root systems. Shrubs must have self-supporting stems. All plants must be disease free and without insect infestation (all life stages).

2. Provide vigorous plants with full and symmetrical form, unless otherwise called for.

3. Provide trees and shrubs of sizes specified. Trees and shrubs of larger size may be used if acceptable to the City Representative. If larger sizes are approved, root balls must be increased proportionately per ANSI Z260.1-2014 standards. The increased size will not result in additional cost to the Owner.

4. Within specified size ranges, not less than 50% of the plants must be of the larger size specified. For example, an 8'-10' height specification requires that not less than 50% of the plants are 10' height.

5. Balled and Burlapped Plants: Plants designated "B&B" are to have firm root balls of natural soil and corresponding to the minimum sizes specified in ANSI Z60.1-2014 "American Standard for Nursery Stock". Root balls shall be firmly wrapped in biodegradable burlap and securely tied with biodegradable heavy twine, rope and/or wire baskets. Plants with loose, broken, or manufactured root balls will be rejected. During transportation and other movement, R**oot balls shall be lifted from the bottom only. Plants/trees shall not be lifted by stems or trunks.**

6. Container grown plants in plastic containers will be acceptable in lieu of balled and burlapped plants, provided they are of specified size and quality. The container must be removed with care exercised to prevent injury to the plant and roots prior to planting.

C. Trees:

1. Provide trees of size and caliper specified and with branching configuration recommended by ANSI Z60.1-2014 for type and species. Provide single stem trees except where other forms are specified. Provide minimum clear trunk height as specified.

2. Caliper shall be measured 6" above ground for trees up to and including 4" caliper. Trees over 4" caliper shall be measured 12" above ground. **Specified height and spread dimensions refer to the main body of the plant, not a dimension between individual branch tips.** Take measurements with branches in natural position.

3. Unless otherwise directed, do not limb-up tree canopies before planting. Otherwise, prune as directed by the City Representative.

D. Groundcovers:

Provide established and well-rooted groundcover plants, in removable containers or integral peat pots, having not less than the minimum number and length of runners for the pot size specified per ANSI Z60.1-2014.

E. Grass:

1. When grassing/sodding areas adjacent to residential or commercial lawns, grassing/sodding shall match the species and cultivar of grass growing on the adjacent lawn.

2. Grass Seed: Provide fresh, clean, new crop-seed complying with tolerance for purity and germination established by Official Seed Analysts of North America. Provide seed of grass species, proportions and minimum percentages of purity, germination, and maximum percentage of weed seed as specified.

3. **Sod: Unless otherwise specified, all sod shall be GCIA certified TifTuf™ Bermuda grass**. Provide strongly rooted sod, not less than two years old and free of weeds and undesirable native grasses. Only provide sod capable of growth and development at time of planting. Provide machine cut sod with a uniform minimum soil thickness of 5/8 inch, not including the thickness of top growth and thatch. Sod pieces to be consistent in size and shape.

2.04 MISCELLANEOUS LANDSCAPE MATERIALS

A. Burlap for wrapping earthball shall be biodegradable jute mesh not less than 7.2oz per square yard. Wrapping materials made from man-made fibers are prohibited.

B. Stakes: Unless otherwise stated, stakes shall be 2”x2” wide and pressure treated.

C. Anchors: #4 rebars or comparable size steel stakes, 36” in length.

D. Filter Cloth: Rot resistant polypropylene filter fabric, water permeable and unaffected by freeze-thaw.

E. Drainage Gravel: Clean crushed stone no larger than 1” diameter.

F. Water: Water sourcing and transportation is the sole responsibility of the Contractor.

G. Mulch:

1. Unless otherwise indicated on the plans, mulch shall be pine straw. Pine straw shall be clean, fresh, dark brown, and free of branches, cones, foreign matter, insects, and disease. Mulch installation shall adhere to specifications as set forth within this document or on plan details.

2. When plans specify hardwood mulch, Contractor shall submit a sample to the City Representative for approval prior to work. Hardwood mulch shall be clean, fresh, and free of branches, leaves, pine needles, manufactured wood products, foreign matter, insects, and

disease. Mulch installation shall adhere to specifications as set forth within this document or on plan details.

H. Anti-Desiccant: If used, anti-desiccant must be an emulsion-type film-forming agent designed to permit transpiration but retard excessive loss of moisture from plants. Deliver for use in manufacturer's original containers/packaging and apply in accordance with manufacturer's instructions.

PART 3 - EXECUTION

3.01 PREPARATION

A. General:

1. Contractor shall examine conditions under which planting is to be installed, review applicable survey drawings, and confirm location of underground utilities before digging.

2. Planting operations are to be performed according to specific dates indicated on plans. **If specific dates are not indicated on plans, planting shall be performed as follows:**
Trees: November 1 to February 28
Shrubs, Groundcovers, and Other Plants: April 1 to April 30

No installation of plant material shall take place during official City Holidays or from December 24 through January 1. The Contractor guarantees the plant material as specified. Plant only during suitable weather conditions and seasons.

3. Lay out tree and shrub locations and areas for mass plantings. Flag tree locations, outline areas and secure City Representative's acceptance before start of excavation for planting work. Adjust layouts as requested by the City Representative.

4. Notify City Representative of adverse sub-surface drainage or soil conditions. State conditions and submit a proposal for correction, including costs if necessary. Obtain approval for method of correction prior to continuing Work in the affected area. If alternate locations are selected, the Contractor shall prepare such areas at no additional expense to the Owner unless otherwise agreed to between both parties prior to proceeding.

B. Excavation for Trees and Large Shrubs:

1. Excavate planting pits according to drawings and written specifications.

2. Loosen hardpan until broken and water can drain freely.

3. For balled and burlapped (B&B) trees and shrubs, make excavations at least 3x the width of the root ball diameter for the top 1/3 of the planting pit. For the remaining depth of the pit, excavate 2x the width of the root ball diameter. Planting pit shall be dug to a depth so that the

top of the root ball is 1"- 2" above the surrounding grade. **City Representative must approve sample tree pit prior to tree planting.**

4. For container grown stock, excavate as specified for B&B stock, substituting container width for root ball width.

C. Drainage Testing:

For all tree and large shrub pits: Fill each pit ¼ full of water. If percolation is less than 100% within the following 12 hours, drill a ten-inch diameter auger hole to a depth of 4' (four feet) below the bottom of the pit. Fill auger hole with drainage gravel and cover with filter cloth. Perform new drainage test. If drainage is still unsatisfactory, Contractor must notify City Representative in writing of the locations with unsatisfactory drainage so that a solution can be arrived at before planting.

3.02 PLANTING SOIL PREPARATION

The top 12" of soil in areas to be planted with trees, shrubs, groundcovers, and other plants shall be a soil mix of:
75% Existing Native Soil
25% Organic Compost Product (OCP)
Planting areas shall be prepared as follows:

Soil Preparation within Medians and Beauty Strips
On new construction, medians and beauty strips (greenspace between curb and sidewalk) shall typically be pre-graded in preparation of landscape work so that the existing soil surface is 6" below the top of curb/sidewalk. The Landscape Contractor shall prepare a planting soil mix there as follows:

A. Prior to work, Landscape Contractor shall first confirm grades are 6" below the top of curb/sidewalk.

B. Rid existing soil surface of all foreign material ≥ the size of a golf ball. This includes rocks, stones, roots, sticks, clay clods, trash, etc. Other extraneous materials harmful or toxic to plant growth, such as asphalt and concrete, must be removed in their entirety before planting soil preparation.

C. Spread 3" layer of approved OCP over the prepped existing native soil within the entire planting area. Till the OCP into the top 9" of underlying native soil. Hand-grade the tilled soil mix so that the surface of it is 3" below the top of curb/sidewalk. Allow for settling. The remaining 3" between the top of the soil mix and the top of curb/sidewalk shall be mulched after plant installation. **NOTE: Additional planting soil mix may be necessary to grade planting areas per planting details. For example, crowned planting areas within medians.**

Soil Preparation for Planting Beds Constructed On Existing Grade
In locations where planting beds are to be constructed on existing ground (grade), the Landscape Contractor shall prepare a planting soil mix as follows:

A. Lay out planting beds on the ground as shown on the plans. **Bed layout to first be approved by City Representative prior to proceeding with the following steps.**

B. Remove any existing turf, weeds, or other vegetation within entire planting bed area.

C. Outline bed area with a trench edge.

D. Rid existing soil surface of all foreign material ≥ the size of a golf ball. This includes rocks, stones, roots, sticks, clay clods, trash, etc. Other extraneous materials harmful or toxic to plant growth, such as asphalt and concrete, must be removed in their entirety before planting soil preparation.

E. Spread 3" layer of approved OCP over the prepped existing native soil within the entire bed area. Till the OCP into the top 9" of underlying native soil. Allow for settling. **NOTE: Additional planting soil mix may be necessary to grade planting areas per planting details. For example, a planting bed area for which details call for a 6" crown.**

F. Fine grade planting areas to ensure positive drainage after settlement has occurred. Slope surface of shrub beds to drain toward the trench edge.

Soil Preparation in Planting Pits for Trees and Large Shrubs

For tree and large shrub installation in individual planting pits outside of larger planting areas such as medians or planting beds, the Landscape Contractor shall prepare a planting soil mix for backfill as follows:

A. Excavate planting pits according to plan details and written specifications.

B. Amend excavated native soil with OCP so that resulting soil mixture is comprised of 25% OCP and 75% native soil. OCP must be thoroughly mixed into native soil.

C. Backfill soil mixture into planting pit according to plan details and written specifications. Allow for settling.

Soil Preparation using Off-Site Soil Source

In areas where the existing native soil volume is insufficient to create the required amount of planting soil mix, off-site soil can be utilized. **However, the Contractor must first obtain pre-approval for the off-site soil from the City Representative.** Upon approval from the City Representative, the Landscape Contractor shall prepare a planting soil mix as follows:

A. Amend off-site soil with OCP so that resulting soil mixture is comprised of 25% OCP and 75% off-site soil. For example, to prepare 10 cubic yards of planting soil, mix 2.5 cubic yards of OCP + 7.5 cubic yards of off-site soil. OCP must be thoroughly mixed into off-site soil.

B. Backfill prepared soil mixture into planting areas as needed and according to plan details and written specifications. Allow for settling.

NOTE: Upon completion of preparation/installation of planting soil mix, Contractor must obtain Soil Test Reports for all locations where planting soil mix has been prepared and installed. Soil Test Reports must comply with Section 1.03 B of this document. Once reports are obtained, the Contractor shall apply nutrients (fertilizer, lime, etc.) to the corresponding planting areas as recommended by the

Soil Test Reports. Nutrients shall be applied 3-7 days prior to plant installation, unless otherwise directed by the product label.

3.03 PREPARATION OF SEASONAL COLOR BEDS

A. Lay out seasonal color beds on the ground as shown on the plans. **Bed layout to first be approved by City Representative prior to proceeding with the following steps.**

B. Excavate top 4" of existing soil. Break through any existing hardpan and remove all stone, roots, debris, etc. Remove excavated soil.

C. Till excavated bed area to a depth of 6".

D. Outline bed area with a trench edge.

E. Backfill seasonal color bed with a soil mix best suited for seasonal color plants. **Soil mix must be pre-approved by the City.** Crown seasonal color bed for proper drainage towards edges. High point of bed should be constructed a minimum of 6" above surrounding grade. Add drainage pipe if necessary to ensure proper drainage.

3.04 PREPARATION OF LAWN/TURF AREAS

A. **Obtain Soil Test Reports from existing soil within the lawn/turf areas. Reports shall be referred to as outlined in Section D below.**

B. Remove existing grass/sod or other vegetation within proposed lawn/turf area. Dispose of such material off site.

C. Till/loosen the surface of new lawn/turf areas to a minimum depth of 6". Rid soil surface of all foreign material ≥ the size of a golf ball. This includes rocks, stones, roots, sticks, clay clods, trash, etc. Other extraneous materials harmful or toxic to plant growth, such as asphalt and concrete, must be removed in their entirety.

D. Prior to start of lawn/turf installation, apply ground limestone at the rate recommended by the Soil Test Report(s) and work into top 6" of soil.

E. Prior to start of lawn/turf installation, apply fertilizer at the rate recommended by Soil Test Report(s) and work into top 2" of soil. The fertilizer application shall not precede the placement of sod by more than three days.

F. Grade lawn/turf areas to a smooth even surface with loose fine-textured soil. Roll and rake areas as required to meet finish grades. **Limit fine grading to areas which can be planted immediately afterwards.**

G. Prior to start of lawn/turf installation, repair any surface areas that have become eroded or otherwise disturbed after fine grading.

3.05 PLANTING TREES AND LARGE SHRUBS (≥ 15 gallon or 6' height)

A. For individual planting pits that are located outside of planting beds, prepare soil around each tree/large shrub location **prior to excavation** as follows:
   1. Till all soil within a 5' radius of the proposed center of the tree/large shrub to a minimum depth of 9".
   2. If lawn/turf is present, remove prior to tilling.
   3. Do not till in areas where it will result in damage to existing ornamental vegetation identified to remain.

B. Excavate planting pit per plan details and written specifications (including Section 3.01 B of this document). Set balled and burlapped (B&B) stock on a layer of compacted planting soil mixture, plumb and in center of pit, with top of root ball 2"-3" above the finish grade. **Loosen and remove top 12" of burlap from root ball. Cut and remove at least the top two rings from wire baskets before backfilling. Cut and remove any visible encircling roots.**

C. Backfill planting pits with soil amended per Section 3.02 of this document. Lightly compact the backfill around the root ball to eliminate voids and air pockets. When planting pit is backfilled 2/3 full, water thoroughly before placing remainder of backfill.

D. Install container grown stock exactly as specified above for balled and burlapped stock. Remove containers without damaging root balls. Cut and remove any visible encircling roots.

E. As needed, apply anti-desiccant if deciduous trees or shrubs are shipped and transplanted in full leaf. Spray with anti-desiccant at nursery before transporting and again after planting as per manufacturer's recommendations.

F. Construct tree saucers as instructed per plan details and written specifications.

G. Immediately after planting work has been completed, mulch all planting areas to a minimum depth of 3". **For individual trees, mulch ring must be a minimum radius of 5' (10' diameter). Do not mulch within 5" of trunk/base of trees.** Finish mulch ring edges according to plan details and written specifications.

H. All trees and specimen shrubs must be sufficiently watered at time of planting. Sufficient watering is determined by soil conditions, site conditions, weather, and season. Soil moisture must be verified using a soil moisture probe. Initial watering must include a City approved Moisture Manager product, applied per manufacturer's specifications. Water thereafter as required by Section 3.09 D of this document.

I. After one week and/or upon full settlement of soil, set trees/large shrubs plumb as needed.

J. Inspect trees/large shrubs for problems such as injury, disease, insect infestation, etc. Inform City Representative of any found issues.

3.06 STAKING, GUYING, AND PRUNING OF TREES AND LARGE SHRUBS (≥ 15 gallon or 6' height)

A. Stake and guy trees/large shrubs immediately after planting per plan details and written specifications. Set plumb if needed after staking/guying. Maintain stakes and guys until time of removal.

B. Contractor must remove all stakes and guys exactly one year after date of Substantial Completion.

C. Prune as needed to remove broken or dead branches from trees/large shrubs. Also, prune to remove cross branching that may result in injury to crossed limbs. Do not prune central leaders and other main stems unless directed by the City Representative.

3.07 PLANTING SHRUBS, GROUNDCOVER, AND OTHER PLANTS

A. Prepare planting beds according to plan details and written specifications, including Section 3.02 of this document.

B. Remove plants from containers without damaging root balls and set in planting holes per plan specifications.

C. Backfill planting holes with planting soil mix. Lightly compact the backfill around the root ball to eliminate voids and air pockets.

D. Immediately after planting work has been completed, mulch all planting areas/beds to a minimum depth of 3". Keep mulch off plant bodies and foliage. Finish mulched area edges according to details and written specifications.

E. **All plants must be sufficiently watered at time of planting. Sufficient watering is determined by soil conditions, site conditions, weather, and season. Soil moisture must be verified using a soil moisture probe. Initial watering must include a City approved Moisture Manager product, applied per manufacturer's specifications. Water thereafter as required by Section 3.09 D of this document.**

3.08 INSTALLING SOD

A. When sodding areas adjacent to residential or commercial lawns, grassing/sodding shall match the species and cultivar of grass growing on the adjacent lawn unless otherwise specified.

B. Water soil in area to be sodded PRIOR to installing sod. Soil must be moist but not saturated when laying sod.

C. Lay sod within 24 hours from time of cutting by grower. Sod shall not be allowed to be staged at the work site for more than 6 hours prior to installation.

D. Do not install dormant sod.

E. Do not install sod on frozen ground.

F. Lay sod to form a solid mass with tightly fitted joints. Do not overlap. Stagger strips. Work from plywood to avoid damage to subgrade or sod. Tamp or roll lightly with water filled roller to ensure contact with subgrade. Work sifted soil into gaps between pieces of sod; remove excess soil to avoid smothering.

G. Anchor sod with 6" sod staples on slopes where specified or if slippage and/or erosion is anticipated. Lay sod perpendicular to slope direction with staggered joints.

F. **Water all sod immediately following installation, applying a minimum of 1" of water. The following day, water to apply a City approved Moisture Manager product per manufacturer's specifications. Water thereafter according to plans and written specifications.**

3.09 MAINTENANCE AND WATERING

A. Begin maintenance immediately after planting. Maintain trees, shrubs, and other plants as necessary to keep healthy and thriving until date of Substantial Completion. Maintain trees, shrubs, and other plants by all accepted horticulture practices such as: watering, pruning, cultivating, spraying for insects and disease. Other maintenance items may include, but not be limited to, touch-up mulching, restoring planting saucers, tightening/repairing stakes and guys, pruning dead and broken limbs, straightening/plumbing trees/plants, adjusting planting depth of trees/plants. **Contractor must remove all stakes and guys exactly one year after date of Substantial Completion of the project.**

B. Maintain lawn/turf areas until date of Substantial Completion. Maintain lawn/turf areas as needed by watering, weeding, mowing, repairing eroded areas, and re-seeding or re-sodding as necessary to establish thriving and uniform lawn/turf areas.

C. All trees and other plants must be sufficiently watered at time of planting and then daily throughout the landscape installation project until project completion. Initial watering must include a City approved Moisture Manager product, applied per manufacturer's specifications.

Upon completion of all planting, Contractor is responsible for watering of all trees and plants during year-one as follows:

Trees, Shrubs, Groundcovers, and Other Plants
- Daily during first 2 weeks (10 waterings)
- Twice weekly during next 6 months (26 wks / 52 waterings)
- Weekly until established* (24 wks / 24 waterings)

Total for Year-One = Up to 86 Total Waterings

Trees must be watered via slow-release watering bag product such as *Treegator*. Bags must be installed according to manufacturer's specifications. For example, a double bag setup is often required for trees ≥4" caliper.

Contractor must provide a watering schedule prior to tree/plant installation. If conditions do not require trees/plants to be watered, the Contractor must submit a written explanation to Owner's Representative stating the reason for bypassing watering. Explanations for skipping scheduled watering must be submitted prior to or on the same day watering is bypassed.

Contractor shall bill for watering each month based on total watering visits. **Failure to meet the above watering requirements without prior written approval by the Owner's Representative may result in reduced payment, bond claims, or potential contract termination.**

REGARDING TREES: Upon completion of year-one watering, Contractor must remove all watering bags and replace them with TreeDiaper hydration product "TD48R", unless otherwise specified. TreeDiapers must be installed according to the manufacturer's instructions and covered with mulch to match existing mulch ring or planting bed. **All existing tree saucers must be removed at this time**. **Soil from tree saucers shall not be placed over roots of trees.**

Contractor will be responsible for TreeDiaper removal exactly one-year after the date of installation.

3.10 CLEAN-UP AND PROTECTION

A. Keep all work areas including roadways, sidewalks, staging locations, etc.in a safe and orderly condition.

B. Upon completion of work, remove all debris, materials, and equipment. Any damage inflicted upon the work area or surrounding areas must be repaired to the condition of the site prior to the damage occurrence. For example, damaged sod areas may require grading and re-sodding. Damaged sidewalk panels may require removal and replacement to specifications matching the existing sidewalk.

C. As necessary, protect installed landscape from damage due to operations by other workers and subcontractors. Maintain protection during installation and maintenance periods. For example, put barricade in place to separate newly installed planting bed from adjacent grading activity for sod installation. Damage to landscape from other workers and subcontractors will be repaired/replaced at no expense to the City.

D. Theft: Contractor is responsible for theft of any plant material (staged, installed, or otherwise) at the Project Site until date of Substantial Completion.

3.11 INSPECTION AND ACCEPTANCE

A. Periodic site inspections will be made from time to time by the City Representative to review the quality and progress of the work. Unacceptable work must be corrected within five (5) calendar days.

B. Upon completion of work, the Contractor shall notify the City Representative at least ten (10) days prior to requested date of Substantial Completion for inspection of all portions of the work. Based upon inspection, the City Representative will issue a punch list for work to be corrected. All work in the punch list must be completed within five (5) working days from receipt of punch list. Where

inspected work does not comply with requirements, replace rejected work and continue specified maintenance until reinspected and receipt of Certificate of Substantial Completion by the City Representative.

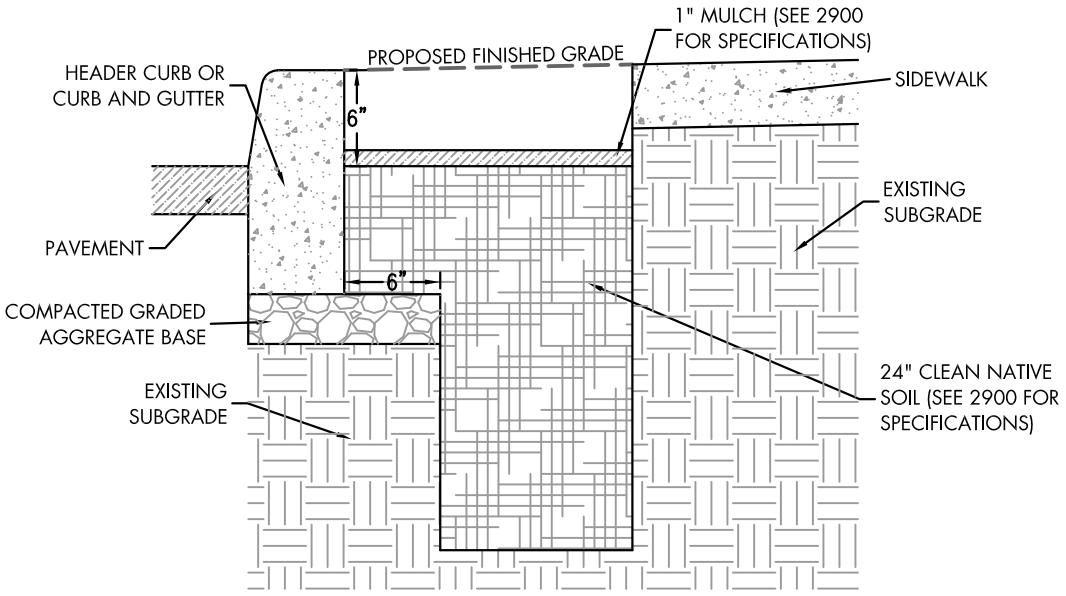
C. Certificate of Substantial Completion will be issued for acceptable work. Substantial Completion will not be issued for items with outstanding punch list requirements.

D. Warranty commences on the date of issuance of the Certificate of Substantial Completion. All new plant material and maintenance is the responsibility of the Contractor. Replacements and repair during the warranty shall be at the expense of the Contractor.

E. Final Acceptance: One year after the date of Substantial Completion, the Owner will inspect shrubs and groundcovers and associated work for Final Acceptance of those items. Two years after the Date of Substantial Completion the Owner will inspect trees and associated work for Final Acceptance of those items. Upon satisfactory completion of repairs and/or replacements, warranty obligations will have been met.

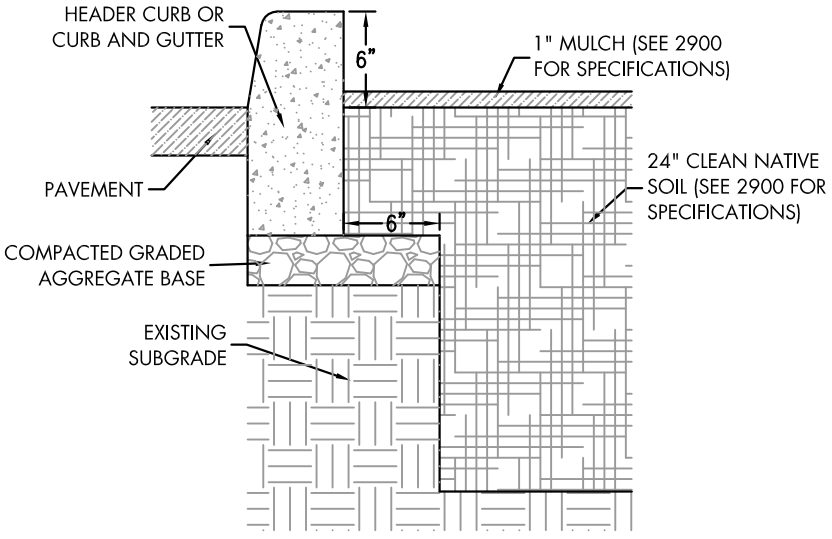
END OF SECTION 02900

FOR ROADWAY CONTRACTOR



LANDSCAPE STRIP DETAIL

NTS



LANDSCAPE MEDIAN DETAIL

NTS

Rev. June 1, 2011
Rev. August 1, 2011
Rev. August 1, 2012

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

Section 150—Traffic Control

150.01 GENERAL

This section as supplemented by the Plans, Specifications, and Manual on Uniform Traffic Control Devices (MUTCD) shall be considered the Temporary Traffic Control (TTC) Plan. Activities shall consist of furnishing, installing, maintaining, and removing necessary traffic signs, pedestrian signs, barricades, lights, signals, cones, pavement markings and other traffic control devices and shall include flagging and other means for guidance and protection of vehicular and pedestrian traffic through the Work Zone. This Work shall include both maintaining existing devices and installing additional devices as necessary in construction work zones.

When any provisions of this Specification or the Plans do not meet the minimum requirements of the MUTCD, the MUTCD shall control. The 2009 Edition of the MUTCD shall be in effect for the duration of the project.

The needs and control of all road users (motorists, bicyclists and pedestrians within the highway right-of-way and easements, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA), Title II, Paragraph 35.130) through a Temporary Traffic Control (TTC) zone shall be an essential part of highway construction, utility work, maintenance operations and management of traffic incidents.

The Worksite Traffic Control Supervisor (WTCS) shall have a copy of Part VI of the MUTCD and the Contract on the job site. Copies of the current MUTCD may be obtained from the FHWA web page at http://mutcd.fhwa.dot.gov.

A. WORKER SAFETY APPAREL

All workers, including emergency responders, within the right-of-way who are exposed either to traffic (vehicles using the highway for purpose of travel) or to work vehicles and construction equipment within the TTC zone shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled "American National Standard for High-Visibility Safety Apparel and Headwear", or equivalent revisions, and labeled as meeting the ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Emergency and incident responders and law enforcement personnel within the TTC zone may wear high-visibility safety apparel that meets the

performance requirements of the ANSI/ISEA 207-2006 publication entitled "American National Standard for High-Visibility Public Safety Vests", or equivalent revisions, and labeled as ANSI 207-2006, in lieu of ANSI/ISEA 107-2004 apparel. Firefighters or other emergency responders working within the right-of-way and engaged in emergency operations that directly expose them to flame, fire, heat, and/or hazardous material may wear retroreflective turn-out gear that is specified and regulated by other organizations, such as the National Fire Protection Association.

B. WORKSITE TRAFFIC CONTROL SUPERVISOR

ALL HIGHWAYS (ADDITIONAL REQUIREMENTS BELOW FOR INTERSTATES): The Contractor shall designate a qualified individual as the Worksite Traffic Control Supervisor (WTCS) who shall be responsible for selecting, installing and maintaining all traffic control devices in accordance with the Plans, Specifications, Special Provisions and the MUTCD. A written resume documenting the experience and credentials of the WTCS shall be submitted and accepted by the Engineer prior to beginning any work that involves traffic control. The WTCS shall be available on a twenty-four (24) hour basis to perform his duties. If the work requires traffic control activities to be performed during the daylight and nighttime hours it may be necessary for the Contractor to designate an alternate WTCS. An alternate WTCS must meet the same requirements and qualifications as the primary WTCS and be accepted by the Engineer prior to beginning any traffic control duties. The Worksite Traffic Control Supervisor's traffic control responsibilities shall have priority over all other assigned duties.

As the representative of the Contractor, the WTCS shall have full authority to act on behalf of the Contractor in administering the TTC Plan. The WTCS shall have appropriate training in safe traffic control practices in accordance with Part VI of the MUTCD. In addition to the WTCS all other individuals making decisions regarding traffic control shall meet the training requirements of the Part VI of the MUTCD.
The WTCS shall supervise the initial installation of traffic control devices. The Engineer prior to the beginning of construction will review the initial installation. Modifications to traffic control devices as required by sequence of operations or staged construction shall be reviewed by the WTCS.

The WTCS shall be available on a full-time basis to maintain traffic control devices with access to all personnel, materials, and equipment necessary to respond effectively to an emergency situation within forty-five (45) minutes of notification of the emergency.

The WTCS shall regularly perform inspections to ensure that traffic control is maintained. Unless modified by the special conditions or by the Engineer, routine deficiencies shall be corrected within a twenty-four (24) hour period. Failure to comply with these provisions shall be grounds for dismissal from the duties of WTCS and/or removal of the WTCS from the project. Failure of the WTCS to execute his duties shall be considered as non-performance under Subsection 150.08.

The Engineer will periodically review the work for compliance with the requirements of the TTC plan.

On projects where traffic control duties will not require full time supervision, the Engineer may allow the Contractor's Project Superintendent to serve as the WTCS as long as satisfactory results are obtained.

CERTIFIED WORKSITE TRAFFIC CONTROL SUPERVISOR

ADDITIONAL REQUIREMENTS FOR INTERSTATE AND LIMITED ACCESS HIGHWAYS: In addition to the requirements above, the WTCS shall have a minimum of one year's experience directly related to work site traffic control in a supervisory or responsible capacity. The WTCS shall be currently certified by the American Traffic Safety Services Association (ATSSA) Work Site Traffic Supervisor Certification program or the National Safety Council Certification program.

Any work performed on the interstate or limited access highway right-of-way that requires traffic control shall be supervised by the Certified Worksite Traffic Control Supervisor. No work requiring traffic control shall be performed unless the certified WTCS is on the worksite. Failure to maintain a Certified Worksite Traffic Control Supervisor on the work will be considered as non-performance under Subsection 150.08.

The WTCS shall perform, as a minimum, weekly traffic control inspections on all interstate and limited access highways. The inspection shall be reported to the Engineer on a TC-1 report. The Engineer will furnish a blank copy of the TC-1 report to the Contractor prior to the beginning of any work on the interstate or limited access right-of-way.

C. TRAFFIC CONTROL DEVICES

All traffic control devices used during the construction of a project shall meet the Standards utilized in the MUTCD, and shall comply with the requirements of these Specifications, Project Plans, and Special Provisions. All devices shall be tested at NCHRP Test Level III. Reference is made to Subsections 104.05, 107.07, and 107.09.

D. REFLECTORIZATION REQUIREMENTS

All rigid fluorescent orange construction warning signs (black on fluorescent orange) shall meet the reflectorization and color requirements of ASTM Type VII, VIII, IX or X regardless of the mounting height.

Portable signs which have flexible sign blanks shall meet the reflectorization and color requirements of ASTM Type VI.

Warning signs (W3-1a) for stop conditions that have rumble strips located in the travelway shall be reflectorized with ASTM Type IX fluorescent yellow sheeting.

All other signs shall meet the requirements of ASTM Type III or IV except for "Pass With Care" and "Do Not Pass" signs which may be ASTM Type I unless otherwise specified.

CHANNELIZATION DEVICES: Channelization devices shall meet the requirements of ASTM Type III or IV high intensity sheeting.

E. IMPLEMENTATION REQUIREMENTS

No work shall be started on any project phase until the appropriate traffic control devices have been placed in accordance with the Project requirements. Changes to traffic flow shall not commence unless all labor, materials, and equipment necessary to make the changes are available on the Project.

When any shift or change is made to the location of traffic or to the flow patterns of traffic, including pedestrian traffic, the permanent safety features shall be installed and fully operational before making the change. If staging or site conditions prevent the installation of permanent features then the equivalent interim devices shall be utilized. This work shall also include any necessary removal and reinstallation of guardrail panels to achieve the required panel lap to accommodate the appropriate shift and traffic flow including the final traffic flow configuration (The cost of performing this work shall be included in Traffic Control-Lump Sum).

Any section of the work that is on new location shall have all permanent safety features installed and fully operational before the work is opened to traffic. Safety features shall include but are not limited to the following items:

1. Guardrail including anchors and delineation with properly lapped panels
2. Impact attenuators
3. Traffic signals
4. Warning devices
5. Pavement markings including words, symbols, stop bars, and crosswalks
6. Roadway signs including regulatory, warning, and guide

Outdoor lighting shall be considered as a safety feature for welcome centers, rest areas, and weigh station projects. For typical roadway type projects new street lighting is not considered a safety feature unless specifically noted in the plans or in the special conditions.

F. MAINTENANCE OF TRAFFIC CONTROL DEVICES

Traffic control devices shall be in acceptable condition when first erected on the project and shall be maintained in accordance with Subsection 104.05 throughout the construction period. All unacceptable traffic control devices shall be replaced within 24 hours. When not in use, all traffic control devices shall be removed, placed or covered so as not to be visible to traffic. All construction warning signs shall be removed within seven calendar days after time charges are stopped or pay items are complete. If traffic control devices are left in place for more than ten days after completion of the Work, the Department shall have the right to remove such devices, claim possession thereof, and deduct the cost of such removal from any monies due, or which may become due, the Contractor.

G. TRAFFIC INTERRUPTION RESTRICTIONS

The Department reserves the right to restrict construction operations when, in the opinion of the Engineer, the continuance of the Work would seriously hinder traffic flow, be needlessly disruptive or unnecessarily inconvenience the traveling public. The Contractor shall suspend and/or reschedule any work when the Engineer deems that conditions are unfavorable for continuing the Work.

Advanced notification requirements to the Contractor to suspend work will be according to the events and the time restrictions outlined below:

Incident management	No advanced notice required
Threatening/Inclement weather	24 hours
Holidays. sporting events, unfavorable conditions	Three (3) calendar days

If the work is suspended, the Contractor may submit a request for additional contract time as allowed under Section 108. The Department will review the request and may grant additional contract time as justified by the impact to the Contractor's schedule. Compensation for loss of productivity, rescheduling of crews, rental of equipment or delays to the Contractor's schedule will not be considered for payment. Additional contract time will be the only consideration granted to the Contractor.

H. SEQUENCE OF OPERATIONS

Any Sequence of Operations provided in this Contract in conjunction with any staging details which may be shown in the plans, is a suggested sequence for performing the Work. It is intended as a general staging plan for the orderly execution of the work while minimizing the impact on pedestrian facilities, mainline, cross-streets and side streets. The Contractor shall develop detailed staging and temporary traffic control plans for performing specific areas of the Work including but not limited to all traffic shifts, detours, bridge widenings, paces, or other activities that disrupt traffic or pedestrian flow. The Engineer may require detailed staging and TTC plans for lane closures or disruption to pedestrian facilities. These plans shall be submitted for approval at least two weeks prior to the scheduled date of the activity. Activities that have not been approved at least seven (7) days prior to the scheduled date shall be rescheduled.

Where traffic is permitted through the work area under stage construction, the Contractor may choose to construct, at no additional expense to the Department, temporary on-site bypasses or detours in order to expedite the work. Plans for such temporary bypasses or detours shall be submitted to the Engineer for review and approval 30 calendar days prior to the proposed construction. Such bypasses or detours shall be removed promptly when in the opinion of the Engineer; they are not longer necessary for the satisfactory progress of the Work. Bypasses and detours shall meet the minimum requirements of Subsection 150.02.B.4.

As an option to the Sequence of Operations in the Contract, the Contractor may submit an alternative Sequence of Operations for review and approval. Alternate Sequence of Operations for pedestrian facilities shall be in compliance with the MUTCD and ADA. Pedestrian needs identified in the preconstruction phase shall be included in the proposed alternate plan.

The Department will not pay, or in any way reimburse the Contractor for claims arising from the Contractor's inability to perform the Work in accordance with the Sequence of Operations provided in the Contract or from an approved Contractor alternate.

The Contractor shall secure the Engineer's approval of the Contractor's proposed plan of operation, sequence of work and methods of providing for the safe passage of vehicular and pedestrian traffic before it is placed in operation. The proposed plan of operation shall supplement the approved traffic control plan. Any major changes to the approved TTC plan, proposed by the Contractor, shall be submitted to the Department for approval.

Some additional traffic control details will be required prior to any major shifts or changes in traffic. The traffic control details shall include, but not be limited to, the following:

1. A detailed drawing showing traffic locations and laneage for each step of the change.

2. The location, size, and message of all signs required by the MUTCD, Plan, Special Provisions, and other signs as required to fit conditions. Any portable changeable message signs used shall be included in the details.

3. The method to be used in, and the limits of, the obliteration of conflicting lines and markings.

4. Type, location, and extent of new lines and markings.

5. Horizontal and vertical alignment and superelevation rates for detours, including cross-section and profile grades along each edge of existing pavement.

6. Drainage details for temporary and permanent alignments.

7. Location, length, and/or spacing of channelization and protective devices (temporary barrier, guardrail, barricades, etc.)

8. Starting time, duration and date of planned change.

9. For each traffic shift, a paving plan, erection plan, or work site plan, as appropriate, detailing workforce, materials, and equipment necessary to accomplish the proposed work. This will be the minimum resource allocation required in order to start the work.

   A minimum of three copies of the above details shall be submitted to the Engineer for approval at least 14 days prior to the anticipated traffic shift. The Contractor shall have traffic control details for a traffic shift which has been approved by the Engineer prior to commencement of the physical shift. All preparatory work relative to the traffic shift, which does not interfere with traffic, shall be accomplished prior to the designated starting time. The Engineer and the Contractor's representative will verify that all conditions have been met prior to the Contractor obtaining materials for the actual traffic shift.

150.02 TEMPORARY TRAFFIC CONTROL (TTC) ZONES:

A. DEVICES AND MATERIALS:

In addition to the other provisions contained herein, work zone traffic control shall be accomplished using the following means and materials:

1. Portable Advance Warning Signs

Portable advance warning signs shall be utilized as per the requirements of the temporary traffic control plans. All signs shall meet the requirements of the MUTCD and shall be NCHRP 350 crashworthy compliant.

2. Arrow Panels

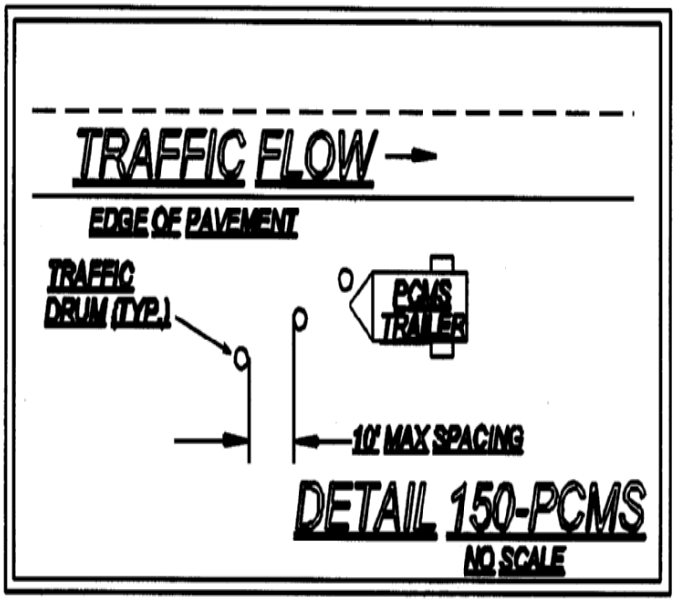
Portable sequential or flashing arrow panels as shown in the Plans or Specifications for use on Interstate or multi-lane highway lane closure only, shall be a minimum size of 48″ high by 96″ wide with not less than 15 lamps used for the arrow. The arrow shall occupy virtually the entire size of the arrow panel and shall have a minimum legibility distance of one mile. The minimum legibility distance is that distance at which the arrow panel can be comprehended by an observer on a sunny day, or clear night. Arrow panels shall be equipped with automatic dimming features for use during hours of darkness. The arrow panels shall also meet the requirements for a Type C panel as shown in the MUTCD. The sequential or flashing arrow panels shall not be used for lane closure on two-lane, two-way highways when traffic is restricted to one-lane operations in which case, appropriate signing, flaggers and when required, pilot vehicles will be deemed sufficient.

The sequential or flashing arrow panels shall be placed on the shoulder at or near the point where the lane closing transition begins. The panels shall be mounted on a vehicle, trailer, or other suitable support. Vehicle mounted panels shall be provided with remote controls. Minimum mounting height shall be seven feet above the roadway to the bottom of the panel, except on vehicle mounted panels which should be as high as practical.

For emergency situations, arrow display panels that meet the MUTCD requirements for Type A or Type B panels may be used until Type C panels can be located and placed at the site. The use of Type A and Type B panels shall be held to the minimum length of time possible before having the Type C panel(s) in operation. The Engineer shall determine when conditions and circumstances are considered to be emergencies. The Contractor shall notify the Engineer, in writing, when any non-specification arrow display panel(s) is being used in the work.

3. Portable Changeable Message Signs

Portable changeable message signs meeting the requirements of Section 632 and the MUTCD. Any PCMS in use that is not protected by positive barrier protection shall be delineated by a minimum of three drums that meet the requirement of Section 150.05.A.1. The drum spacing shall not exceed a maximum of ten (10′) feet as shown in Detail 150-PCMS. When the PCMS is within twenty (20′) feet of the opposing traffic flow, the trailing end of the PCMS shall be delineated with a minimum of three drums spaced in the same manner as the approach side of the PCMS.



When not in use the PCMS shall be removed from the roadway unless protected by positive barrier protection. If the PCMS is protected by positive barrier protection the sign panel shall be turned away from traffic when not in use.

4. Channelization Devices

Channelization devices shall meet the standards of the MUTCD and Subsection 150.05.

5. Temporary Barrier

Temporary barrier shall meet the requirements of Section 622.

6. Temporary Traffic Signals

Temporary traffic signals shall meet the requirements of Section 647 and the MUTCD.

7. Pavement Marking

Pavement marking incorporated into the work shall comply with Subsections 150.04.A and 150.04.B.

8. Portable Temporary Traffic Control Signals

The use of Portable Temporary Traffic Control Signals shall meet the following minimum requirements:

Only two-lane two-way roadways will be allowed to utilize Portable Temporary Traffic Control Signals.

All portable traffic control signals shall meet the physical display and operational requirements of conventional traffic signals described in the MUTCD.

Each signal face shall have at least three lenses. The lenses shall be red, yellow, or green in color and shall give a circular type of indication. All lenses shall be twelve (12″) inches nominal in diameter.

A minimum of two signal faces shall face each direction of traffic. A minimum of one signal head shall be suspended over the roadway travel lane in a manner that will allow the bottom of the signal head housing to be not less than seventeen (17′) feet above and not more than nineteen (19′) feet above the pavement grade at the center of the travel lane. The second signal head may be located over the travel lane with the same height requirements or the second signal head may be located on the shoulder. When the signal head is located on the shoulder the bottom of the signal head housing shall be at least eight (8′) feet but not more than (15′) feet above the pavement grade at the center of highway.

Advance warning signage and appropriate pavement markings shall be installed as part of the temporary signal operation.

The signals shall be operated in a manner consistent with traffic requirements. The signals may be operated in timed-mode or in a vehicle-actuated mode. The signals shall be interconnected in a manner to ensure that conflicting movements can not occur. To assure that the appropriate operating pattern including timing is displayed to the traveling public, regular inspections including the use of accurate timing devices shall be made by the Worksite Traffic Control Supervisor. If at any time any part of the system fails to operate within these requirements then the use of the signal shall be suspended and the appropriate flagging operation shall begin immediately.

The Worksite Traffic Control Supervisor (WTCS) shall continuously monitor the portable traffic control signal to insure compliance with the requirements for maintenance under the MUTCD. The signal shall be maintained in a manner consistent with the intention of the MUTCD, with emphasis on cleaning of the optical system. Timing changes shall be made only by the WTCS. The WTCS shall keep a written record of all timing changes.

The portable temporary signal shall have two power sources and shall be capable of running for seven calendar days continuously.

The Contractor shall have an alternate temporary traffic control plan in the event of failure of the signal.

9. RUMBLE STRIPS

Rumble strips incorporated into the work shall meet the requirements of Section 429 and the MUTCD. Existing rumble strips that are positioned in the traveled way to warn traffic of a stop condition shall be reinstalled based on the following requirements:

INTERMEDIATE SURFACES: Intermediate surfaces that will be in use for more than forty-five (45) calendar days shall have rumble strips reinstalled on the traveled way in the area of a stop condition. Non-refundable deductions in accordance with Subsection 150.08 will be assessed for any intermediate surface in place for greater than 45 days without rumble strips.

FINAL SURFACES: Rumble strips shall be installed on the final surface within fourteen (14) calendar days of the placement of the final surface in the area of the stop condition. Failure to install within fourteen (14) calendar days will result in assessment of non-refundable deductions in accordance with Subsection 150.08.

Prior to the removal of any rumble strips located in the travelway, stop ahead (W3-1a) warning signs shall be double indicated ahead of the stop condition. These warning signs shall be a minimum of 48 inches by 48 inches. The reflectorization of the warning signs shall be as required by Subsection 150.01.D. These warning signs shall remain in place until the rumble strips have been reinstalled on the traveled way. Any existing warning signs for the stop ahead condition shall be removed or covered while the 48″ X 48″ (W3-1a) signs are in place. When the rumble strips have been reinstalled these warning signs should be promptly removed and any existing signage placed back in service.

10. GUARDRAIL: When the removal and installation of guardrail is required as a part of the work the following time restrictions shall apply unless modified by the special conditions:

MULTI-LANE HIGHWAYS: From the time that the existing guardrail or temporary positive barrier protection is removed the Contractor has fourteen (14) calendar days to install the new guardrail and anchors. During the interim, the location without guardrail shall be protected with drums spaced at a maximum spacing of twenty (20′) feet. The maximum length of rail that can be removed at any time without being replaced with positive barrier protection is a total of 2000 linear feet of existing rail or the total length of one run of existing rail, whichever is less.

ALL OTHER HIGHWAYS: From the time that the existing guardrail is removed or from the time that temporary positive barrier protection is removed the Contractor has thirty (30) calendar days to install the new guardrail and anchors. During the interim, the location without guardrail shall be protected with drums spaced at a maximum spacing of twenty (20′) feet. The maximum length of rail that can be removed at any time without being replaced with positive barrier protection is a total of 1000 linear feet of existing rail or the total length of one run of existing rail, whichever is less.

Based on existing field conditions, the Engineer may review the work and require that the guardrail be installed earlier than the maximum time allowed above by giving written notification to the Contractor via the TC-1 traffic control report.

ALL HIGHWAYS: The contractor shall install new guardrail such that traffic exposure to fixed objects is minimized. Within the same work day, temporary attenuators, as defined in Subsection 150.05.B, should be installed on the approach to fixed objects that can't be protected with guardrail. Truck mounted attenuators may be used to shield exposed fixed objects for periods not to exceed forty-eight (48) hours. No separate payment will be made for truck mounted attenuators.

When the roadway is open to traffic, guardrail panels shall be lapped to comply with the directional flow of traffic. Should the staging of the work require that the lap of the guardrail be changed, this work shall be completed before the roadway is opened to traffic. The work to change the lap of any guardrail shall be included in Traffic Control-Lump Sum.

Failure to comply with the above time and quantity restrictions shall be considered as non-compliance under Subsection 150.08.

11. STOP SIGN REGULATED INTERSECTIONS: For intersections that utilize stop sign(s) to control the flow of traffic and to restrict the movement of vehicles, the stop sign(s) shall be maintained for the duration of the work or until such time that the stop condition is eliminated or until an interim or permanent traffic signal can be installed to provide proper traffic control. The traffic signal shall be installed and properly functioning before the removal of the existing stop sign(s) is permitted. If the existing intersection is enhanced traffic control features such as stop bars, double indicated stop signs, oversized signs, advanced warning stop ahead signs, rumble strips on the approaches or flashing beacons located overhead or on the shoulders then these features shall be maintained for the duration of the project or until the permanent traffic control plan has been implemented.

Whenever the staging of the work requires that the traveled-way be relocated or realigned the Contractor shall reinstall all enhanced traffic control features noted above on the newly constructed sections of the work. The cost of relocating the stop bars, stop signs, advanced warning signs, the rumble strips and the flashing beacons shall be included in the price bid for Lump-Sum-Traffic Control unless individual pay items are included in the contract for rumble strips and/or flashing beacons. When pay items are included in the contract for rumble strips or flashing beacons then these items will be paid per each.

When staging requires the relocation or realignment of an existing stop condition it may be necessary to consider the addition of enhanced traffic control features even though none existed at the original location. Horizontal and vertical alignment changes at a new location may have decreased or restricted sight distance or the stop condition may occur sooner than in the previous alignment. If these conditions occur then the Engineer and/or the WTCS should consider additional measures to enhance the motorist's awareness of the changes even though the staging plans may not address enhanced features. Stop signs should be a minimum of 36 inches for interim situations. The use of 48 inch stop signs may be warranted under project specific conditions. Flags may be used on interim/permanent stop signs that are mounted at seven (7') feet in height for a short duration in order to direct additional attention to a new or relocated stop sign(s). Flags should not be used for durations exceeding two weeks unless unusual or site specify conditions warrant a longer period of time. The use of Type "A" flashing red light(s) attached to the stop sign(s) may be appropriate during the same period that the flags are in use to increase attention.

The use of rumble strips and/or portable changeable message signs may be considered. The use of new rumble strips, where none previously existed, shall have the prior approval of District Traffic Operations before being included as part of the temporary traffic control plan. The message(s) displayed on any PCMS shall have the prior approval of the Engineer and the message(s) shall be included as part of the TTC plan for the interim staging.

The placement of any additional interim ground-mounted signs and posts or stop bars shall be considered as incidental to the price bid for Lump Sum-Traffic Control. The installation of rumble strips, flashing beacons or the use of Portable Changeable Message Signs (PCMS) shall be considered as Extra Work unless pay items are included in the contract.

B. WORK ZONE RESTRICTIONS:

1. Interstate

The Contractor shall not simultaneously perform work on both the inside shoulder and outside shoulder on either direction of traffic flow when the Work is within 12 feet of the travel-way, unless such areas are separated by at least one-half mile of distance.

2. Non-Interstate Divided Highways

The Contractor shall not simultaneously perform work on both the inside shoulder and outside shoulder on either direction of traffic flow when the Work is within 12 feet of the travel-way, unless such areas are separated by at least one-half mile distance in rural areas or at least 500 feet of distance in urban areas.

3. Non-Divided Highways

a. The Contractor shall not simultaneously perform work on opposite sides of the roadway when the work is within 12 feet of the travel-way, unless such areas are separated by at least one-half mile of distance in rural areas or at least 500 feet of distance in urban areas.

b. On two-lane projects where full width sections of the existing subgrade, base or surfacing are to be removed, and new base, subgrade, or surfacing are to be constructed, the Contractor shall maintain one-lane traffic through the construction area by removing and replacing the undesirable material for half the width of the existing roadway at a time. Replacement shall be made such that paving is completed to the level of the existing pavement in the adjacent lane by the end of the workday or before opening all the roadway to traffic.

4. All Highways:

a. There shall be no reduction in the total number of available traffic lanes that existed prior to construction except as specifically allowed by the Contract and as approved by the Engineer.

b. Travelway Clearances: All portions of the work shall maintain the following minimum requirements:

Horizontal: The combined dimensions of the paved shoulder and the roadway surface remaining outside the Work Zone shall be no less than sixteen (16) feet in width at any location.

Vertical: The overhead clearance shall not be reduced to less than fifteen (15) feet at any location.

The restrictions above apply to all shifts, lane closures, on-site detours and off site detours whether shown in the contract or proposed by the Contractor. It shall be the responsibility of the Contractor to verify that these minimum requirements have been met before proceeding with any phase of the Work.

Two-lane two-way roadways may have temporary horizontal restrictions of less than sixteen (16) feet provided a flagger operation for one-way traffic is utilized to restrict access to the work area by over-width loads. The minimum horizontal clearance shall be restored before the flagging operation is removed.

c. Highway Work Zone: All sections or segments of the roadway under construction or reconstruction shall be signed as a Highway Work Zone except non-state highway two-lane two-way resurfacing projects. Two conditions can be applied to a Highway Work Zone. Condition 1 is when no reduction in the existing speed limit is required. Condition 2 is when worksite conditions require a reduction of the speed limit through the designated Work Zone. Properly marking a Highway Work Zone shall include the following minimum requirements:

1. NO REDUCTION IN THE EXISTING POSTED SPEED LIMIT IN HIGHWAY WORK ZONE:

a) Signage (Detail 150-HWZ-1) shall be posted at the beginning point of the Highway Work Zone warning the traveling public that increased penalties for speeding violations are in effect. The HWZ-2 sign shall be placed a minimum of six hundred (600') feet in advance of the Highway Work Zone and shall not be placed more than one thousand (1000') feet in advance of the Work Zone. If no speed reduction is required it is recommended that the HWZ-2 be placed at 750 feet from the work area between the ROAD WORK 500 FT. and the ROAD WORK 1000 FT. signs.

HWZ-2 signs shall be placed at intervals not to exceed one mile for the length of the project. HWZ-2 signs should be placed on the mainline after all major intersections except State Routes. State Routes shall be signed as per the requirements for intersecting roadways below.

b) The existing speed limit shall be posted at the beginning of the Work Zone. Existing Speed Limit signs (R2-1) shall be maintained.

c) INTERSECTING ROADWAYS: Intersecting state routes shall be signed in advance of each intersection with the Work Zone with a HWZ-2 sign to warn motorists that increased fines are in effect. All other intersecting roadways that enter into a designated Highway Work Zone may be signed in advance of each intersection with the Work Zone. When construction equipment and personnel are present in the intersection on the mainline of a multi-lane roadway, the intersecting side roads shall be signed in advance with HWZ-2 signs. As soon as the work operation clears the intersection the signage may be removed.

d) Sign HWZ-3 shall be posted at the end of the Highway Work Zone indicating the end of the zone and indicating that increased penalties for speeding violations are no longer in effect.

e) When a designated Highway Work Zone is no longer necessary all signs shall be removed immediately.

2. REDUCING THE SPEED LIMIT IN A HIGHWAY WORK ZONE:

Highway Work Zone signs shall be posted as required in Condition 1 above.

For limited access (interstate) highways and controlled access multi-lane divided highways the posted speed limit shall be reduced as required below.

Speed Limit signage (R2-1) for the reduced speed limit shall be erected at the beginning of the work zone. Additional signs shall be placed to ensure that the maximum spacing of the reduced speed limit signs shall be no greater than one (1) mile apart. Existing speed limit signs shall be covered or removed. On multi-lane divided highways the speed limit signs shall be double indicated when the reduced speed is in use.

When any one or more of the following conditions exist and the existing speed limit is 65 mph or 70 mph, the speed limit shall be reduced by 10 mph. If the existing speed limit is 60 mph, the speed limit should be reduced by 5 mph. If the existing speed limit is 55 mph or less, the Contractor can only reduce the speed limit with the prior approval of the Engineer. The reduction in the speed limit shall be no greater than 10 mph:

a) Lane closure(s) of any type and any duration.
b) The difference in elevation exceeds two inches adjacent to a travel lane as shown in Subsection 150.06, Detail 150-B, Detail 150-C.
c) Any areas where equipment or workers are within ten feet of a travel lane.
d) Temporary portable concrete barriers located less than two (2') feet from the traveled way.
e) As directed by the Engineer for conditions distinctive to this project.

When the above conditions are not present the speed limit shall be immediately returned to the existing posted speed limit. A speed reduction shall not be put in place for the entire length of the project unless conditions warranting the speed reduction are present for the entire project length. All existing speed limit signs within the temporary speed reduction zone shall be covered or removed while the temporary reduction in the speed limit is in effect. All signs shall be erected to comply with the minimum requirements of the MUTCD.

As a minimum the following records shall be kept by the WTCS:

a) Identify the need for the reduction.
b) Record the time of the installation and removal of the temporary reduction.
c) Fully describe the location and limits of the reduced speed zone.
d) Document any accident that occurs during the time of the reduction.

A copy of the weekly records for reduced speed zones shall be submitted to the Engineer.

Reduced speed zones shall, as a minimum, be signed as per Detail 150-HWZ-1. Interim signs shall meet the requirements of Subsection 150.03 D. Additional signs may be necessary to adjust for actual field conditions.

When a pilot vehicle is used on a two-lane two-way roadway the speed limit should not be reduced. For special conditions specific to the work, on two-lane two-way roadways or multi-lane highways, the contractor may reduce the posted speed limit with the prior approval of the Engineer.

5. MILLED SURFACE RESTRICTIONS:

Unless modified by the special conditions, a milled surface on any asphaltic concrete surface shall not be allowed to remain open to traffic for a period of time that exceeds thirty (30) calendar days.

6. INSTALLATION/REMOVAL OF WORK AREA SIGNAGE:

No payment will be made for Traffic Control-Lump Sum until the Work has actually started on the project. The installation of traffic control signage does not qualify as the start of work. Advanced warning signs shall not be installed until the actual beginning of work activities. Any permanent mount height signs installed as the work is preparing to start shall be covered until all signs are installed unless all signs are installed within seven (7) calendar days after beginning installation.

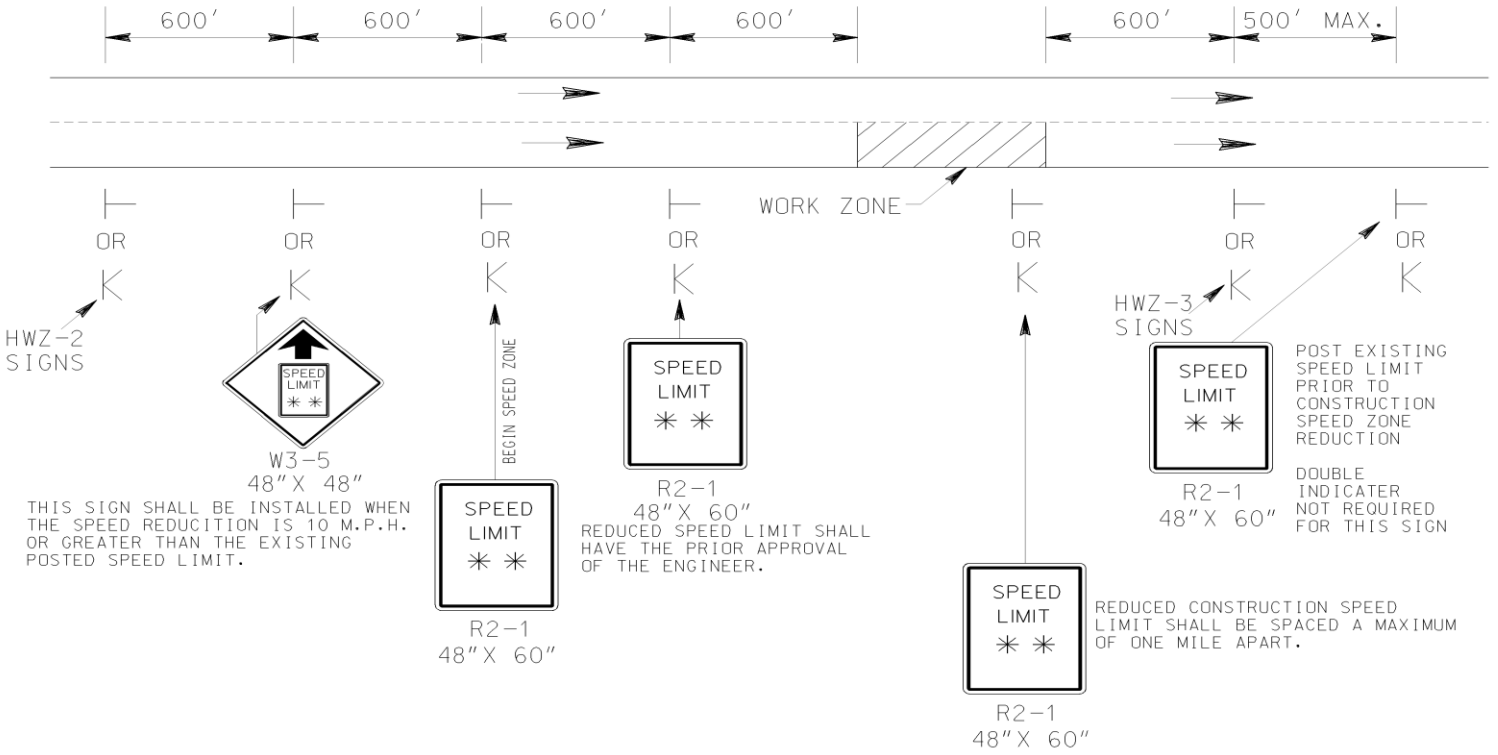
All temporary traffic control devices shall be removed as soon as practical when these devices are no longer needed. When work is suspended for short periods of time, temporary traffic control devices that are no longer appropriate shall be removed or covered.

All construction warning signs shall be removed within seven (7) calendar days after time charges are stopped or pay items are complete. If traffic control devices are left in place for more than ten (10) calendar days after completion of the Work, the Department shall have the right to remove such devices, claim possession thereof, and deduct the cost of such removal from any monies due, or which may become due, the Contractor.

PUNCHLIST WORK: Portable signs shall be utilized to accomplish the completion of all punchlist items. The portable signs shall be removed daily. All permanent mount height signs shall be removed prior to the beginning of the punchlist work except "Low/Soft Shoulder" signs and any signs that have the prior written approval of the Engineer to remain in place while the punchlist work is in progress.

Failure to promptly remove the construction warning signs within the seven (7) calendar days after the completion of the Work or failure to remove or cover signs when work is suspended for short periods of time shall be considered as non-performance under Subsection 150.08.

SPEED LIMIT REDUCTION FOR HIGHWAY WORK ZONE
INTERSTATE AND MULTI-LANE DIVIDED HIGHWAY SIGNING SHALL BE DOUBLE INCICATED (RIGHT SHOULDER AND MEDIAN SHOULDER)

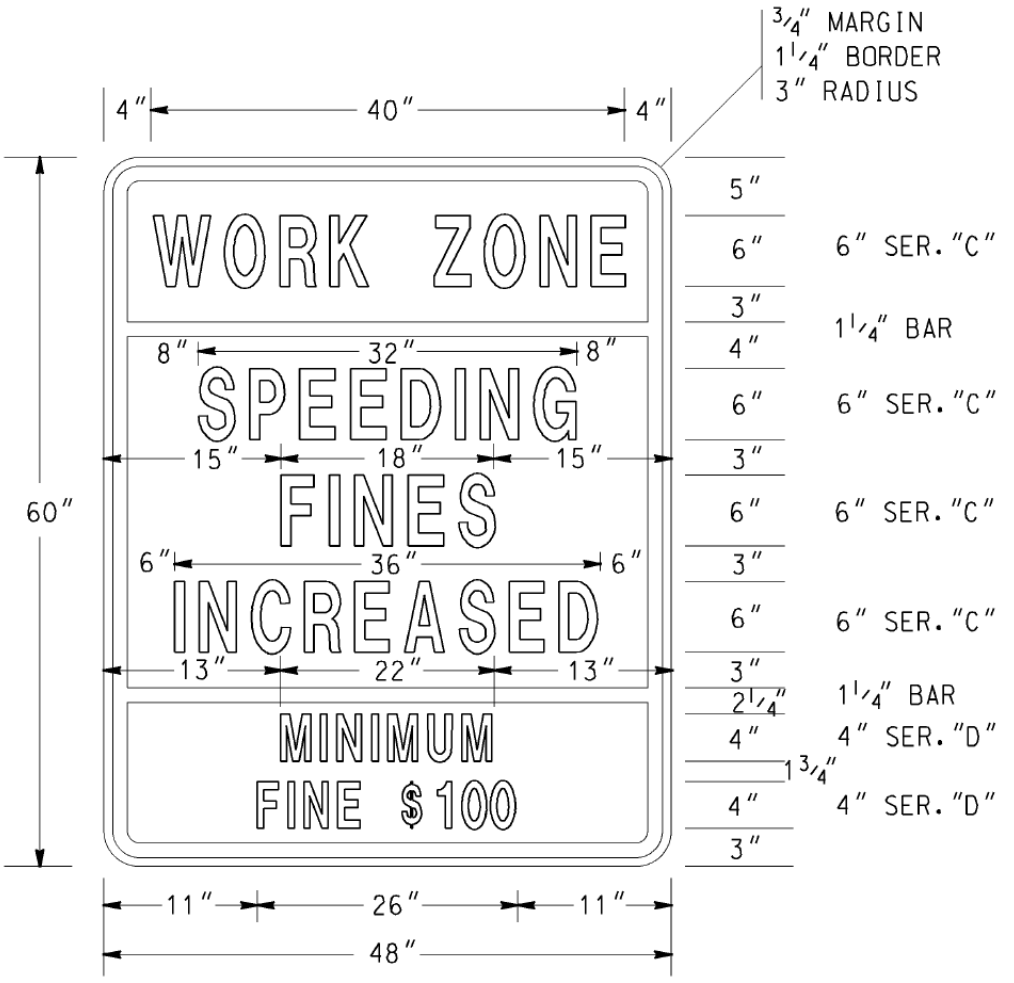


ALL INTERSECTING ROADWAYS SHALL BE SIGNED WITH A HWZ-2 SIGN TO WARN MOTORIST ENTERING THE HIGHWAY WORK ZONE.

INTERSTATE AND MULTI-LANE HIGHWAY SIGNING SHALL BE DOUBLE INDICATED (RIGHT SHOULDER AND MEDIAN SHOULDER).

SIGN SIZES SHOWN ARE FOR INTERSTATE AND MULTI-LANE DIVIDED HIGHWAY. FOR OTHER HIGHWAYS USE STANDARD SIZE SIGNS AS PER THE M.U.T.C.D. EXCEPT HWZ-2 AND HWZ-3 SIGNS.

DETAIL 150-HWZ-1



HWZ-2

COLORS

TOP PANEL

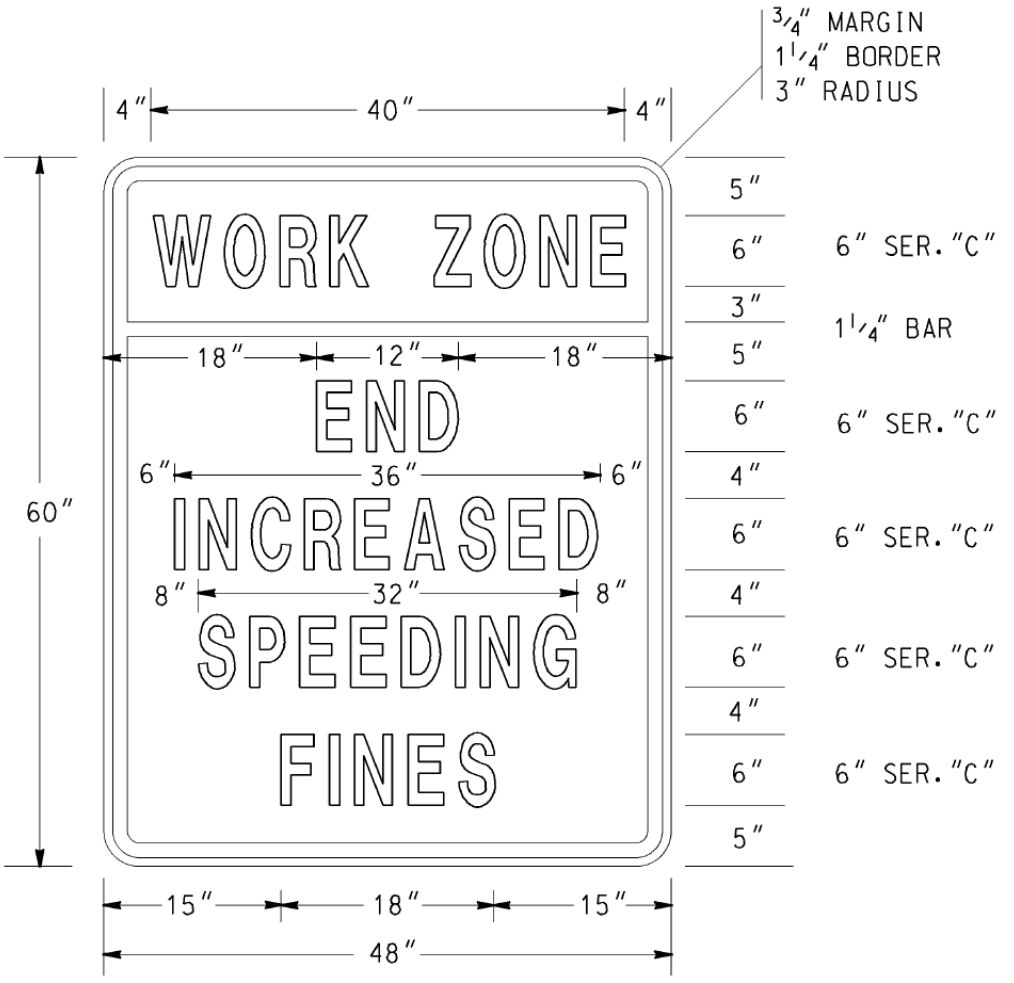
LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - FLUORESENT ORANGE
(ASTM TYPE VII, VIII, IX or X)

MIDDLE & BOTTOM PANELS

LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - WHITE (ASTM TYPE III OR IV REFL SHEETING)

NOTES:

1. ALL HWZ-2 SIGN PANELS SHALL BE RIGID.
2. THE SIZE OF THE HWZ-2 SIGN SHALL NOT BE REDUCED FOR USE ON TWO-LANE ROADWAYS.



HWZ-3

COLORS

TOP PANEL

LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - FLUORESENT ORANGE
(ASTM TYPE VII, VIII, IX or X)

BOTTOM PANEL

LEGEND & BORDER - BLACK (NON-REFL)
BACKGROUND - WHITE (ASTM TYPE III OR IV REFL SHEETING)

NOTES:

1. ALL HWZ-3 SIGN PANELS SHALL BE RIGID.
2. THE SIZE OF THE HWZ-3 SIGN SHALL NOT BE REDUCED FOR USE ON TWO-LANE ROADWAYS.

C. LANE CLOSURES:

1. Approval/Restrictions

All lane closures of any type or duration shall have the prior approval of the Engineer.

a. The length of a lane closure shall not exceed two (2) miles in length excluding the length of the tapers unless the prior approval of the Engineer has been obtained. The Engineer may extend the length of a lane closure based upon field conditions however the length of a workzone should be held to the minimum length required to accomplish the Work. Lane closures shall not be spaced closer than one mile. The advanced warning signs for the project should not overlap with the advanced warning signs for lane shifts, lane closures, etc.

b. Lane closures that require same direction traffic to be split around the Work Area will not be approved for roadways with posted speeds of 35 mph or greater, excluding turn lanes.

c. For Interstate, Limited Access and Multi-lane Divided Highways, a Portable Changeable Message Sign (PCMS) shall be placed one (1) mile in advance of a lane closure with a message denoting the appropriate lane closure one mile ahead. The Portable Changeable Message Sign (PCMS) shall be placed on the outside shoulder in accordance with Detail 150-PCMS. This is in addition to the other traffic control devices required by Standard 9106.

2. Removal Of Lane Closures

To provide the greatest possible convenience to the public in accordance with Sub-Subsection 107.07, the Contractor shall remove all signs, lane closure markings, and devices immediately when lane closure work is completed or temporarily suspended for any length of time or as directed by the Engineer. All portable signs and portable sign mounting devices shall be removed from the roadway to an area which will not allow the sign to be visible and will not allow the sign or sign mounting device to be impacted by traffic.

3. Exit And Entrance Ramps

On multilane highways where traffic has been shifted to the inside lanes, the exit and entrance ramps shall have channelization devices placed on both sides of the ramp. This requirement will apply to any situation where traffic is shifted to contra flows or inside staging lanes to facilitate reconstruction work in the vicinity of exit and entrance ramps. The temporary ramp taper length shall be greater than, or equal to, the existing taper length. Interim EXIT gore signs shall be placed at the ramp divergence. The "EXIT OPEN" sign shown in Figure TA-42 of the MUTCD shall be utilized. For exit ramps, channelization device spacing shall be decreased to 10 feet for 200 feet in advance of the temporary gore, and be decreased to 10 feet for the first 100 feet of the temporary gore.

4. Lane Drop/Lane Closure

The first seven (7) calendar days of any lane closure shall be signed and marked as per Standard 9106 or 9107. However, lane closures that exist for a duration longer than seven (7) calendar days may be signed and marked as per the details in Standard 9121, provided the prior approval of the Engineer is obtained. The approved lane drop

shall utilize only the signs and markings shown for the termination end of the lane drop in Standard 9121. All warning signs in the lane drop sequence shall be used. Drums may be substituted for the Type I Crystal Delineators at the same spacing.

5. Termination Area

The transition to normal or full width highway at the end of a lane closure shall be a maximum of 150 feet.

D. TRAFFIC PACING METHOD:

1. Pacing Of Traffic

With prior approval from the Engineer, traffic may be paced allowing the Contractor up to ten (10) minutes maximum to work in or above all lanes of traffic for the following purposes:

a. Placing bridge members or other bridge work.

b. Placing overhead sign structures.

c. Other work items requiring interruption of traffic.

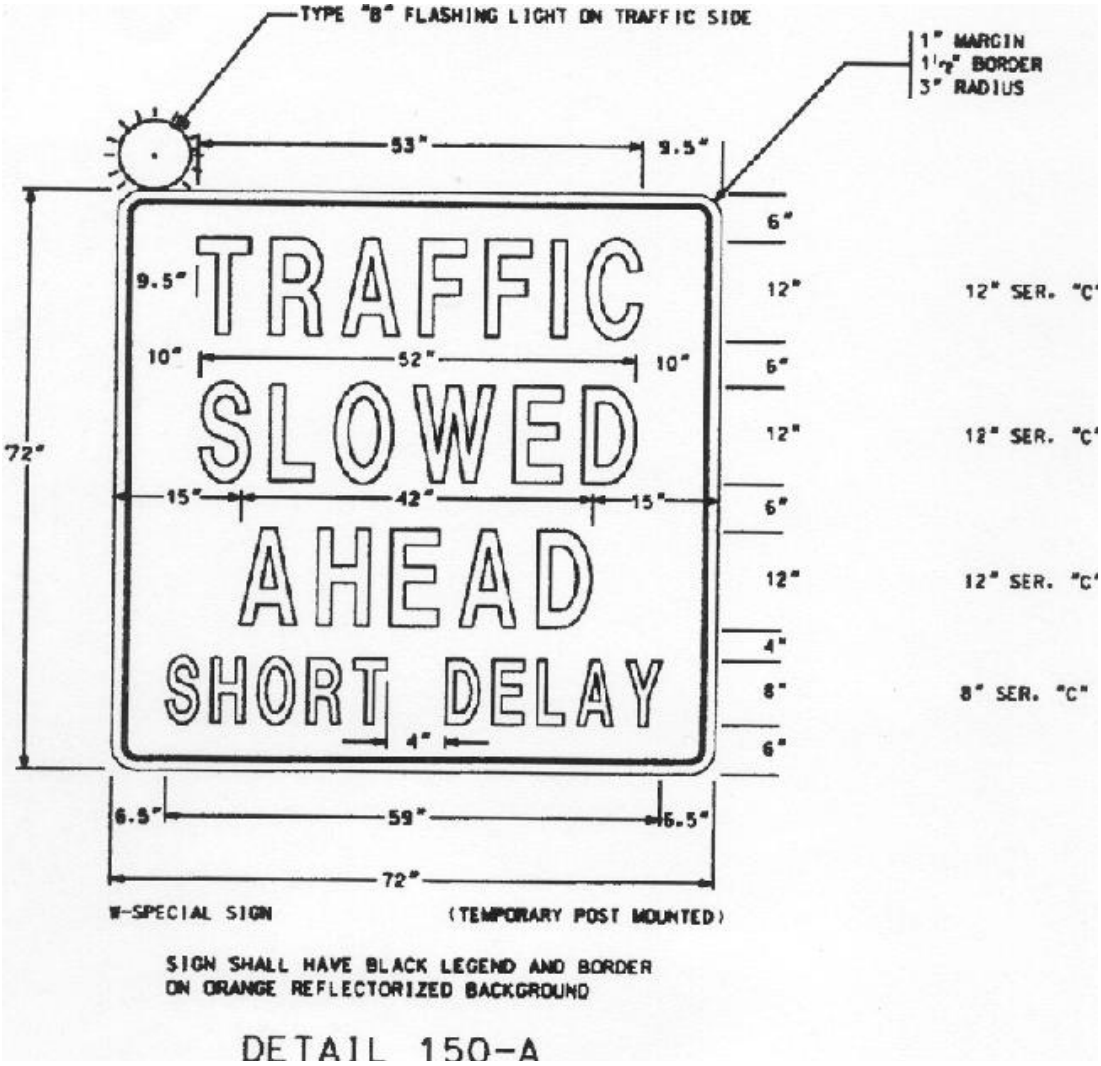
The Contractor shall provide a uniformed police officer with patrol vehicle and blue flashing light for each direction of pacing. The police officer, Engineer, and flaggers at ramps shall be provided with a radio which will provide continuous contact with the Contractor.

When ready to start the work activity, the police vehicle will act as a pilot vehicle slowing the traffic thereby providing a gap in traffic allowing the Contractor to perform the Work. Any on-ramps between the pace and the work area shall be blocked during pacing of traffic, with a flagger properly dressed and equipped with a Stop/Slow paddle. Each ramp should be opened after the police vehicle has passed.
Pilot vehicles shall travel at a safe pace speed, desirably not less than 20 mph interstate and 10 mph non-interstate. The Contractor shall provide a vehicle to proceed in front of the police vehicle and behind the other traffic in order to inform the Contractor's work force when all vehicles have cleared the area.

Traffic will not be permitted to stop during pacing except in extreme cases as approved by the Engineer.

2. Methods Of Signing For Traffic Pacing

At a point not less than 1,000 feet in advance of the beginning point of the pace, the Contractor shall erect and cover a W-special sign (72 inch x 72 inch) with a Type "B" flashing light, with the legend "TRAFFIC SLOWED AHEAD SHORT DELAY" (See Detail 150-A). A portable changeable message sign may be used in lieu of the W-special sign. On divided highways this sign shall be double indicated. A worker with a two-way radio shall be posted at the sign, and upon notice that the traffic is to be paced shall turn on the flashing light and reveal the sign. When traffic is not being paced, the flashing light shall be turned off and the sign covered or removed. W-special signs are reflectorized black on orange, Series "C" letter and border of the size specified.


TYPE "B" FLASHING LIGHT ON TRAFFIC SIDE
1" MARGIN
1½" BORDER
3" RADIUS
53"
9.5"
TRAFFIC
SLOWED
AHEAD
SHORT DELAY
9.5"
10"
52"
10"
72"
15"
42"
15"
4"
6"
12"
12" SER. "C"
6"
12"
12" SER. "C"
6"
12"
12" SER. "C"
4"
8"
8" SER. "C"
6"
6.5"
59"
6.5"
72"
W-SPECIAL SIGN
(TEMPORARY POST MOUNTED)
SIGN SHALL HAVE BLACK LEGEND AND BORDER
ON ORANGE REFLECTORIZED BACKGROUND

DETAIL 150-A

E. CONSTRUCTION VEHICLE TRAFFIC

The Contractor's vehicles shall travel in the direction of normal roadway traffic and shall not reverse direction except at intersections, interchanges, or approved temporary crossings. The Contractor may submit a plan requesting that construction traffic be allowed to travel in the opposite direction of normal traffic when it would be desirable to modify traffic patterns to accommodate specific construction activities.

Prior approval of the Engineer shall be obtained before any construction traffic is allowed to travel in a reverse direction. If the Contractor's submittal is approved the construction traffic shall be separated from normal traffic by appropriate traffic control devices.

F. ENVIRONMENTAL IMPACTS TO THE TEMPORARY TRAFFIC CONTROL (TTC) PLAN

The Contractor shall ensure that dust, mud, and other debris from construction activities do not interfere with normal traffic operations or adjacent properties. All outfall ditches, special ditches, critical storm drain structures, erosion control structures, retention basins, etc. shall be constructed, where possible, prior to the beginning of grading operations so that the best possible drainage and erosion control will be in effect during the grading operations, thereby keeping the roadway areas as dry as possible.

Areas within the limits of the project which are determined by the Engineer to be disturbed or damaged due either directly or indirectly from the progress or the lack of progress of the work shall be cleaned up, redressed, and regrassed. All surplus materials shall be removed and disposed of as required. Surplus materials shall be disposed of in accordance with Section 201 of the Specifications.

G. EXISTING STREET LIGHTS

Existing street lighting shall remain lighted as long as practical and until removal is approved by the Engineer.

H. NIGHTWORK

Adequate temporary lighting shall be provided at all nighttime work sites where workers will be immediately adjacent to traffic.

I. CONSTRUCTION VEHICLES IN THE WORKZONE

The parking of Contractor's and/or workers personal vehicles within the work area or adjacent to traffic is prohibited. It shall be the responsibility of the Worksite Traffic Control Supervisor to ensure that any vehicle present at the worksite is necessary for the completion of the work.

J. ENCROACHMENTS ON THE TRAVELED-WAY

The Worksite Traffic Control Supervisor (WTCS) shall monitor the work to ensure that all the rocks, boulders, construction debris, stockpiled materials, equipment, tools and other potential hazards are kept clear of the travelway. These items shall be stored in a location, in so far as practical, where they will not be subject to a vehicle running off the road and striking them.

K. PEDESTRIAN CONSIDERATIONS

All existing pedestrian facilities, including access to transit stops, shall be maintained. Where pedestrian routes are closed, alternate routes shall be provided. Closures of existing, interim and final pedestrian facilities shall have the prior written approval of the Engineer. When existing pedestrian facilities are disrupted, closed or relocated in a TTC zone, the temporary facilities shall be detectable and shall include accessibility features consistent with the features present in the existing pedestrian facility. Pedestrian facilities are considered improvements and provisions made to accommodate or encourage walking. Whenever a sidewalk is to be closed, the Engineer shall notify the maintaining agency two (2) weeks prior to the closure. Prior to closure, detectable barriers (that are detectable by a person with a visual disability traveling with the aid of a long cane), as described by the MUTCD, shall be placed across the full width of the closed sidewalk. Barriers and channelizing devices used along a temporary pedestrian route shall be in compliance with the MUTCD.

Temporary Traffic Control devices used to delineate a Temporary Traffic Control zone pedestrian walkway shall be in compliance with Subsection 150.01.E. Temporary Traffic Control devices and construction material shall not intrude into the usable width of the pedestrian walkway. Signs and other devices shall be placed such that they do not narrow or restrict any pedestrian passage to less than 48 inches.

A pedestrian walkway shall not be severed or relocated for non-construction activities such as parking for construction vehicles and equipment. Movement by construction vehicles and equipment across designated pedestrian walkways should be minimized. When necessary, construction activities shall be controlled by flaggers. Pedestrian walkways shall be kept free of mud, loose gravel or other debris.

When temporary covered walkways are used, they shall be lighted during nighttime hours. When temporary traffic barrier is used to separate pedestrian and vehicular traffic, the temporary barrier shall meet NCHRP-350 Test Level Three. The barrier ends shall be protected in accordance with Georgia Standard 4960. Curbing shall not be used as a substitute for temporary traffic barriers when temporary traffic barriers are required. Tape, rope or plastic chain strung between temporary traffic control devices are not considered as detectable and shall not be used as a control for pedestrian movements.

The WTCS shall inspect the activity area daily to ensure that effective pedestrian TTC is being maintained. The inspection of TTC for pedestrian traffic shall be included as part of the TC-1 report.

1. Temporary Pedestrian Facilities

Temporary pedestrian facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. The geometry, alignment and construction of the facility should meet the applicable requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)".

a. Temporary Walkways with Detectable Edging

A smooth, continuous hard surface (firm, stable and slip resistant) shall be provided throughout the entire length of the temporary pedestrian facility. Compacted soils, sand, crushed stone or asphaltic pavement millings shall not be used as a surface course for walkways.

Temporary walkways shall include detectable edging as defined in the MUTCD. When temporary traffic barrier is included as a pay item in the contract and where locations identified on the plans for positive protection will also allow them to serve as pedestrian detectable edging, payment will be made for the temporary traffic barrier in accordance with Section 622. No payment will be made for temporary walkways with Detectable Edging where existing pavements or existing edging (that meets the requirements of MUTCD) are utilized as temporary walkways. Payment for temporary detectable edging, including approved barriers and channelizing devices, installed on existing pavements shall be included in Traffic Control-Lump Sum.

Regardless of the materials used, temporary walkways shall be constructed of sufficient thickness and durability to withstand the intended use for the duration of the construction project. If concrete or asphalt is used as the surface course for the walkway, it shall be a minimum of one and one-half inches (1-1/2") thick. Temporary walkways constructed across unimproved streets and drives shall be a minimum thickness of four inches (4") for concrete and three inches (3") for asphalt. Joints formed in concrete sidewalks shall be in accordance with Section 441. Concrete surfaces shall have a broom finish.

If plywood is used as a walkway, it must be a minimum of three quarters of an inch (3/4") thick pressure treated and supported with pressure treated longitudinal joists spaced a maximum of sixteen inches (16") on center. The plywood shall be secured to the joist with galvanized nails or galvanized deck screws. Nails and screws shall be countersunk to prevent snagging or tripping the pedestrians. A slip resistant friction course shall be applied to any plywood surface that is used as a walkway. Any slip resistant material used shall have the prior written approval of the engineer.

The contractor may propose alternate types of Temporary Walkways provided the contractor can document that the proposed walkway meets the requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". Alternate types of Temporary Walkways shall have the prior written approval of the engineer.

Temporary walkways shall be constructed and maintained so there are no abrupt changes in grade or terrain that could cause a tripping hazard or could be a barrier to wheelchair use. The contractor shall construct and maintain the walkway to ensure that joints in the walkway have a vertical difference in elevation of no more than one quarter (1/4″) of an inch and that the horizontal joints have gaps no greater than one half (1/2″) of an inch. The grade of the temporary walkway should parallel the grade of the existing walkway or roadway and the cross slope should be no greater than 2%.

A width of sixty (60″) inches, if practical, should be provided throughout the entire length of any temporary walkway. The temporary walkway shall be a minimum width of forty eight inches (48″). When it is not possible to maintain a minimum width of sixty inches (60″) throughout the entire length of temporary walkway, a sixty inch (60″) by sixty inch (60″) passing space should be provided at least every two hundred feet (200 Ft.), to allow individuals in wheelchairs to pass.

Temporary walkways shall be constructed on firm subgrade. Compact the subgrade according to Section 209. Furnish and install any needed temporary pipes prior to constructing any walkway to ensure positive drainage away from or beneath the temporary walkway. Once the walkway is no longer required, remove any temporary materials and restore the area to the original conditions or as shown in the plans.

b. Temporary Curb Cut Wheelchair Ramps

Temporary curb cut wheelchair ramps shall be constructed in accordance with Section 441 and Detail A-3. Ramps shall also include a detectable warning surface in accordance with Detail A-4. Other types of material for the construction of the temporary curb cut wheelchair ramps, including the detectable warning surface, may be used provided the contractor can provide documentation that the material to be used meets the requirements of the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". When a wheelchair ramp is no longer required, remove the temporary materials and restore the area to existing conditions or as shown in the plans. For the items required to restore the area to original conditions or as shown in the plans, measures for payment shall be covered by contract pay items. If pay items are not included in the contract, then payment for these items shall be included in Traffic Control-Lump Sum.

c. Temporary Audible Information Device

Temporary audible information devices, when shown in the plans, shall be installed in compliance with the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)". The devices shall be installed in accordance with the manufacturer's recommendations. Prior to installation, the contractor shall provide the engineer with a set of manufacturer's drawings detailing the proper installation procedures for each device. When no longer required, the devices shall remain the property of the contractor.

L. TRAFFIC SIGNALS

If the sequence of operations, staging, or the temporary traffic control plan requires the relocation or shifting of any components of an existing traffic signal system then any work on these traffic signals will be considered as part of Lump Sum- Traffic Control. The contractor becomes responsible for the maintenance of these traffic signals from the time that the system is modified until final acceptance. The maintenance of traffic signals that are not a part of the work and are not in conflict with any portion of the work shall not be the responsibility of the contractor.

When construction operations necessitate an existing traffic signal to be out of service, the Contractor shall furnish off-duty police officers to regulate and maintain traffic control at the site. Off-duty police officers should be used to regulate and maintain traffic control at signal sites when lane closures or traffic shifts block or restrict movements causing interference with normal road user flows and will not allow the activated traffic signal to guide the traffic through the signal site.

M. REMOVAL/REINSTALLATION OF MISCELLANEOUS ITEMS

In the prosecution of the Work, if it becomes necessary to remove any existing signs, markers, guardrail, etc. not covered by specific pay item, they shall be removed, stored and reinstalled, when directed by the Engineer, to line and grade, and in the same condition as when removed.

N. Signalized Intersections

Off duty police officers shall be used to regulate and maintain traffic control at functioning signalized intersections when lane closures or traffic shifts block or restrict movements causing interference with road user flows and will not allow the activated traffic signal to guide the traffic through the signal site. This work is considered incidental and shall be included in the overall price bid for traffic control.

150.03 SIGNS:

A. SIGNING REQUIREMENTS OF THE TEMPORARY TRAFFIC CONTROL (TTC) PLAN

When existing regulatory, warning or guide signs are required for proper traffic and pedestrian control the Contractor shall maintain these signs in accordance with the temporary traffic control (TTC) plan. The Contractor shall review the status of all existing signs, interim signs added to the work, and permanent sign installations that are part of the work to eliminate any conflicting or non-applicable signage in the TTC Plan. The Contractor's review of all signs in the TTC Plan shall establish compliance with the requirements of the MUTCD and Section 150. Any conflicts shall be reported to the Engineer immediately and the WTCS shall take the necessary measures to eliminate the conflict.

The Contractor shall make every effort to eliminate the use of interim signs as soon as the Work allows for the installation of permanent signs.

All existing illuminated signs shall remain lighted and be maintained by the Contractor.

Existing street name signs shall be maintained at street intersections.

B. CONFLICTING OR NON-APPLICABLE SIGNS

Any sign(s) or portions of a sign(s) that are not applicable to the TTC plan shall be covered so as not to be visible to traffic or shall be removed from the roadway when not in use. The WTCS shall review all traffic shifts and changes in the traffic patterns to ensure that all conflicting signs have been removed. The review shall confirm that the highest priority signs have been installed and that signs of lesser significance are not interfering with the visibility of the high priority signs. High priority signs include signs for road closures, shifts, detours, lane closures and curves. Any signs, such as speed zones and speed limits, passing zones, littering fines and litter pick up, that reference activities that are not applicable due to the presence of the Work shall be removed, stored and reinstalled when the Work is completed.

Failure to promptly eliminate conflicting or non-applicable signs shall be considered as non-performance under Subsection 150.08.

C. REMOVAL OF EXISTING SIGNS AND SUPPORTS

The Contractor shall not remove any existing signs and supports without prior approval from the Engineer. All existing signs and supports which are to be removed shall be stored and protected if this material will be required later in the work as part of the TTC plan. If the signs are not to be utilized in the work then the signs will become the property of the Contractor unless otherwise specified in the contract documents.

D. INTERIM GUIDE, WARNING AND REGULATORY SIGNS

Interim guide, warning, or regulatory signs required to direct traffic and pedestrians shall be furnished, installed, reused, and maintained by the Contractor in accordance with the MUTCD, the Plans, Special Provisions, Special Conditions, or as directed by the Engineer. These signs shall remain the property of the Contractor. The bottom of all interim signs shall be mounted at least seven (7') feet above the level of the pavement edge when the signs are used for long-term stationary operations as defined by Section 6G.02 of the MUTCD. Special Conditions under Subsection 150.11 may modify this requirement.

Portable signs may be used when the duration of the work is less than three (3) days or as allowed by the special conditions in Subsection 150.11. Portable signs shall be used for all punchlist work. All portable signs and sign mounting devices utilized in work shall be NCHRP 350 compliant. Portable interim signs shall be mounted a

minimum of one (1′) foot above the level of the pavement edge for directional traffic of two (2) lanes or less and a minimum of seven (7′) feet for directional traffic of three (3) or more lanes. Signs shall be mounted at the height recommended by the manufacturer's crashworthy testing requirements. Portable interim signs which are mounted at less than seven (7′) feet in height may have two 18 inch x 18 inch fluorescent red-orange or orange-red warning flags mounted on each sign.

All regulatory sign blanks shall be rigid whether the sign is mounted as a portable sign, on a Type III barricade or as a permanent mount height sign.

Any permanent mount height interim sign that is designed to fold in half to cover a non-applicable message on the sign shall have reflectorized material on the folded over portion of the sign. The reflectorized material shall be orange in color with a minimum of ASTM Type I engineering grade sheeting with a minimum area of six inches by six inches (6″ x 6″) facing the direction of traffic at all times when the sign is folded.

Interim signs may be either English or metric dimensions.

E. EXISTING SPECIAL GUIDE SIGNS

Existing special guide signs on the Project shall be maintained until conditions require a change in location or legend content. When change is required, existing signs shall be modified and continued in use if the required modification can be made within existing sign borders using design requirements (legend, letter size, spacing, border, etc.) equal to that of the existing signs, or of Subsection 150.03.E.2. Differing legend designs shall not be mixed in the same sign.

1. Special Guide Signs

Special guide signs are those expressway or freeway guide signs that are designed with a message content (legend) that applies to a particular roadway location. When an existing special guide sign is in conflict with work to be performed, the Contractor shall remove the conflicting sign and reset it in a new, non-conflicting location which has been approved by the Engineer.

2. Interim Special Guide Signs

When it is not possible to utilize existing signs, either in place or relocated, the Contractor shall furnish, erect, maintain, modify, relocate, and remove new interim special guide signs in accordance with the Plans or as directed by the Engineer. Interim special guide signs that may be required in addition to, or a replacement for, existing expressway and freeway (interstate) signs shall be designed and fabricated in compliance with the minimum requirements for guide signing contained in Part 2E "Guide Signs Expressway" and Part 2F "Guide Signs Freeways" of the MUTCD, except that the minimum size of all letters and numerals in the names and places, streets and highways on all signs shall be 16 inches Series "E" initial upper-case and 12 inches lower-case. All interstate shields on these signs shall be 48 inches and 60 inches for two-numeral and three-numeral routes, respectively.

The road name of the exit or route shield shall be placed on the exit gore sign.

3. Interim Overhead Guide Sign Structures

Interim overhead special guide sign structures are not required to be lighted unless specifically required by the Plans. If lighting is required the sign shall be lighted as soon as erected and shall remain lighted, during the hours of darkness, until the interim sign is no longer required. The Contractor shall notify the Power Company at least thirty (30) days prior to desired connection to the power source.

4. Permanent Special Guide Signs

The installation of new permanent special guide signs and the permanent modification or resetting of existing special guide signs, when included in the contract, shall be accomplished as soon as practical to minimize the use of interim special guide signs. If lighting is required by the Plans, all new permanent overhead special guide signs shall be lighted as soon as erected.

F. MATERIALS- INTERIM SIGNS:

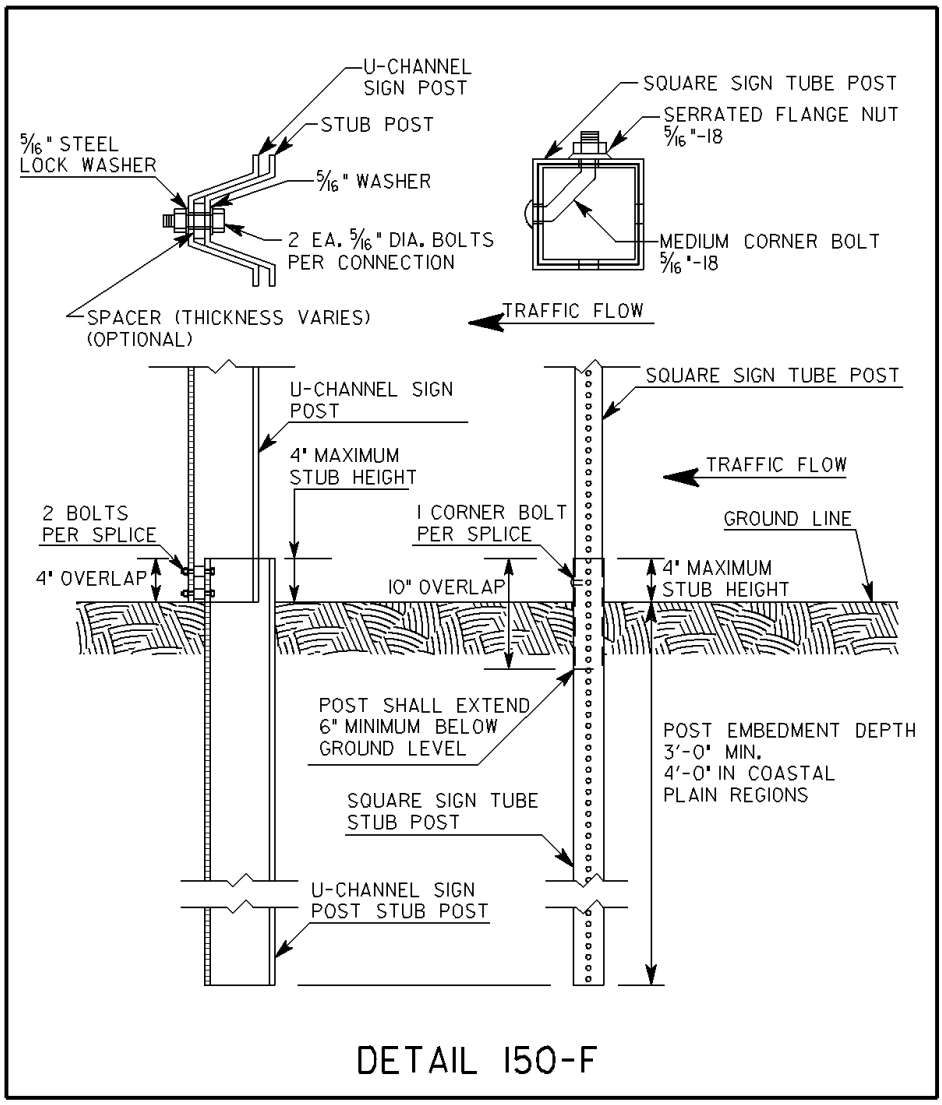
1. Posts

Permanent mounting height of seven (7') feet- Posts for all interim signs shall meet the requirements of Section 911 except that green or silver paint may be used in lieu of galvanization for steel posts or structural shape posts. Within the limits of a single project, all metal posts shall be the same color. Wood posts are not required to be pressure treated. Ground mounted sign(s) greater than nine (9) square feet shall be mounted on two posts.

Interim posts may be either metric or English in dimensions.

Posts for all interim signs shall be constructed to yield upon impact unless the posts are protected by guardrail, portable barrier, impact attenuator or other type of positive barrier protection. Unprotected posts shall meet the breakaway requirements of the "1994 AASHTO Standard Specifications for Structural Support for Highway Signs, Luminaries and Traffic Signals". Unprotected interim posts shall be spliced as shown in Detail 150-F unless full length unspliced posts are used.

Unprotected post splices will not be permitted any higher than four inches above the ground line to lessen the possibility of affecting the undercarriage of a vehicle. Installation of posts may require establishment of openings in existing pavements, islands, shoulders etc.


U-CHANNEL SIGN POST
STUB POST
5/16" STEEL LOCK WASHER
5/16" WASHER
2 EA. 5/16" DIA. BOLTS PER CONNECTION
SPACER (THICKNESS VARIES) (OPTIONAL)
SQUARE SIGN TUBE POST
SERRATED FLANGE NUT 5/16"-18
MEDIUM CORNER BOLT 5/16"-18
TRAFFIC FLOW
U-CHANNEL SIGN POST
4" MAXIMUM STUB HEIGHT
2 BOLTS PER SPLICE
4" OVERLAP
1 CORNER BOLT PER SPLICE
10" OVERLAP
SQUARE SIGN TUBE POST
TRAFFIC FLOW
GROUND LINE
4" MAXIMUM STUB HEIGHT
POST SHALL EXTEND 6" MINIMUM BELOW GROUND LEVEL
POST EMBEDMENT DEPTH 3'-0" MIN. 4'-0" IN COASTAL PLAIN REGIONS
SQUARE SIGN TUBE STUB POST
U-CHANNEL SIGN POST STUB POST
DETAIL 150-F

2. **Sign Blanks And Panels- Permanent mounting height of seven (7') feet**-
All sign blanks and panels shall conform to Section 912 of the Specifications except that blanks and panels may be ferrous based or other metal alloys. Type 1 and Type 2 sign blanks shall have a minimum thickness of 0.08 inches regardless of the sign type used. Alternative sign blank materials (composites, poly carbonates, fiberglass reinforced plastics, recycled plastics, etc.) shall have a letter of approval from the Office of Materials and Research for use as interim construction signs before these materials are allowed to be incorporated into the work unless these rigid sign blanks are currently approved as a crashworthy sign blank material under QPL 34. The back side of sign panels shall be painted orange to prevent rust if other metals are used in lieu of aluminum. Plywood blanks or panels will not be permitted. The use of flexible signs will not be permitted for permanent mount height signs.

Interim blanks and panels may be either metric or English in dimensions.

3. **Portable Sign Mounting Devices, Portable Sign Blanks**-
All portable sign mounting devices and sign blanks utilized in the work shall be NCHRP 350 Test Level III compliant. All portable sign mounting devices and sign blanks shall be from the Qualified Products List. Any sign or sign mounting device shall have an identifying decal, logo, or manufacturer's stamping that clearly identifies the device as NCHRP 350 compliant. The required decal, logo or manufacturer's stamping shall not be displayed on the message face of the sign. The Contractor may be required to provide certification from the Manufacturer as proof of NCHRP 350 compliance. All portable signs shall be mounted according to height requirements of Subsection 150.03.D.

G. SIGN VISIBILITY AND OFFSETS

All existing, interim and new permanent signs shall be installed so as to be completely visible for an advance distance in compliance with the MUTCD. Any clearing required for maintaining the line of sight to existing, interim or permanent signs shall be done as part of the requirements of the TTC plan. The clearing shall include any advance warning signs, both interim and permanent, that are installed as a part of the work including advance warning signs that are installed outside the limits of the project. Any sign installed behind W-beam or T-beam guardrail with non-breakaway posts shall be installed with the leading edge of the sign a minimum of four feet and three inches (4'3") behind the face of the guardrail with five feet (5') of clearance being desirable. Limbs, brush, construction equipment and materials shall be kept clear of the driver's line of sight to all signs that are part of the TTC plan.

H. ADVANCE WARNING SIGNS:

1. **All Type Of Highways**
Advance warning signs shall be placed ahead of the work area in accordance with Part VI of the MUTCD and shall include a series of at least three advance road work (W20-1) signs placed at the termini of the project. The series shall have the legend ROAD WORK (1500 FEET, 1000 FEET, AND 500 FEET).

At grade intersecting roadways and on-ramps shall be signed with a minimum of one ROAD WORK AHEAD sign.

When work terminates at a "T" intersection, a minimum of one "ROAD WORK AHEAD" sign shall be placed in advance of the intersection and one "END ROAD WORK" sign shall be placed at the termination end of the intersection. Field conditions may require the use of additional warning signage.

Advanced Warning Signs on State Routes shall be a minimum dimension of 48 inches x 48 inches. When a State Route intersects a project which consists of adding travel lanes, reconstructing an existing roadway or new location work, the State Route approaches shall have a minimum of three (W20-1) advanced warning signs (1500 ft., 1000 ft., 500 ft.). The termination end of an intersecting State Route shall have END ROAD WORK signage.

The W20-1 signs shall be placed at the termini of the project or sufficiently in advance of the termini to allow for lane shifts, lane closures and other activities which may also require advanced warning signs. The advanced warning signs for the project should not overlap with the advanced warning signs for lane shifts, lane closures, etc.

The length of a workzone should be held to the minimum length required to accomplish the work. If a project has multiple individual worksites within the overall limits of the project, each site should be signed individually if the advance warning signs for each site can be installed without overlapping an adjacent worksite. As soon as the work is completed at any individual site the warning signs shall be removed from that site. Clean-up work and punchlist work shall be performed with portable signage.

Project mileage indicated on the G20-1 sign shall be the actual project mileage rounded up to the nearest whole mile. Projects less than two (2) miles in length or individual worksites that are part of a multiple worksite project may delete this sign. The G20-1 sign shall be 60" X 36" and the G20-2 sign shall be 48" X 24".

2. Interstate, Limited Access And Multilane Divided Highways

In addition to the W20-1 signs required at 500 ft., 1000 ft. and 1500 ft., multi-lane divided highways shall also have additional advanced warning signs installed with the legend "ROAD WORK (2 MILES, 1 MILE and 1/2 MILE). All construction warning signs on divided highways shall be double indicated (i.e., on the left and right sides of the roadway.) If the use of the ½ mile, 1 mile and 2 mile advanced warning signs cause an overlap with other work or do not benefit field conditions then the Engineer may review the use of these signs and eliminate their installation. When the posted speed limit is 50 MPH or less, the ½ mile, 1 mile and 2 mile signs should be eliminated especially in urban areas.

The W20-1 advance warning signs for ROAD WORK 500 FEET; 1000 FEET; and 1500 FEET shall be temporarily covered when work involving the advanced warning signs for lane shifts and lane closures overlap these signs. The ROAD WORK ½ MILE, ROAD WORK 1 MILE, and ROAD WORK 2 MILES shall be in place when the 500, 1000 and 1500 feet signs are temporarily covered.

When the temporary traffic control zone already has advanced warning (W20-1) signs installed the W20-1 signs required for lane closures under Standard 9106 should be eliminated.

RAMP WORK ON LIMITED ACCESS HIGHWAYS: The workzone shall not be signed for the entire length of the mainline of a limited access highway when only short individual worksites, interchange or ramp work is being performed.

When work is restricted to ramp reconstruction or widening activities, the advance warning signs on the mainline section of the limited access highway shall be limited to the use of portable advance warning signs. These portable advance warning signs shall only be utilized when work activity is within the gore point of the ramp and the mainline traveled way or work is active in the accel/decel lane adjacent to the mainline traveled way. Portable advance warning signs (W20-1; 1500ft. /1000 ft. /500ft.) shall be installed on the traveled way of the limited access highway when the above conditions are present. The advance warning signs shall be installed only in one direction where work is active. All portable signs shall be double indicated. When work is not active, the ramp work shall be advanced warned by the use of a single 48 inch X 48 inch "RAMP WORK AHEAD" sign along the right shoulder of the mainline traveled way prior to the beginning of the taper for the decel lane. The "RAMP WORK AHEAD" sign shall be mounted at seven (7') feet in height. Differences in elevation shall be in compliance with the requirements of Subsection 150.06 prior to the removal of the portable (W20-1) advanced warning signs from the mainline.

The G20-1 sign shall be eliminated on limited access highways when the work involves only ramp work, bridge reconstruction, bridge painting, bridge joint repairs, guardrail and anchor replacement or other site specific work which is confined to a short section of limited access highway.

I. PORTABLE CHANGEABLE MESSAGE SIGN

Unless specified as a paid item in the contract the use of a portable changeable message sign will not be required. When specified, a portable changeable message sign (PCMS) shall meet the minimum requirements of Section 632 and the MUTCD. The maximum amount of messages allowed to be flashed on one PCMS is two phases (flashes). The language and the timing of the messages shall comply with the MUTCD and Section 632.
When used as an advanced device the PCMS should typically be placed ahead of the construction activities. If the PCMS is used as a substitute for another device then the requirements for the other device apply.

J. FLASHING BEACON

The flashing beacon assembly, when specified, shall be used in conjunction with construction warning signs, regulatory, or guide signs to inform traffic of special road conditions which require additional driver attention. The flashing beacon assembly shall be installed in accordance with the requirements of Section 647.

K. RUMBLE STRIP SIGNAGE

Signage for rumble strips located in the travelway shall be as required in Subsection 150.01.C and Subsection 150.02.A.9.

L. LOW/SOFT SHOULDER SIGNAGE

Low or soft shoulder signs shall be utilized in accordance with the following conditions:

CONSTRUCTION/RECONSTRUCTION PROJECTS:

"LOW/SOFT SHOULDER" signs shall be erected when a difference in elevation exceeds one (1") inch but does not exceed three (3") inches between the travelway and any type of shoulder unless the difference in elevation is four (4') feet or greater from the edge of the traveled way.

The spacing of the signs shall not exceed one (1) mile and the signs shall be placed immediately past each crossroad intersection. The "Low/Soft" signs shall remain in place until the difference in elevation is eliminated and the shoulder has been dressed and permanently grassed for a minimum of thirty (30) calendar days. These signs shall be furnished, installed, maintained and removed by the Contractor as part of Traffic Control-Lump Sum. These signs shall be orange with black borders and meet the reflectorization requirements of Subsection 150.01.D.

"SHOULDER DROP-OFF" (W8-9a) signs shall be used when a difference in elevation, less than four (4') feet from the traveled way, exceeds three (3") inches and is not protected by positive barrier protection. These warning signs shall be placed in advance of the drop-off.
For a continuous drop-off condition, the W8-9a) signs shall, as a minimum, be spaced in accordance with the above requirements for "Low/soft shoulder" signs.

PROJECTS CONSISTING PRIMARILY OF ASPHALTIC CONCRETE RESURFACING ITEMS:

"LOW/SOFT SHOULDER" signs shall be erected when a difference in elevation exceeds one (1") inch but does not exceed three (3") inches between the travelway and any type of shoulder unless the difference in elevation is four (4') feet or greater from the edge of the traveled way.

SHOULDER BUILDING INCLUDED IN THE CONTRACT: "Low/Soft Shoulder" signs shall be erected as per the requirement of Standards 9102, 9106, and 9107. "Shoulder Drop-off" signs (W8-9a) shall be erected as per the requirements of the MUTCD. These signs shall be maintained until the conditions requiring their installation have been eliminated. The Contractor shall remove all interim warning signs before final acceptance.

SHOULDER BUILDING NOT INCLUDED IN THE CONTRACT: The Department will furnish the "Low/Soft Shoulder" signs, "Shoulder Drop-off" signs and the posts. The signs shall be erected to meet the minimum requirements of Subsection 150.03. The Contractor shall include the cost of furnishing installation hardware (bolts, nuts, and

washers), erection and maintenance of the signs in the bid price for Traffic Control-Lump Sum. The Contractor shall maintain the signs until final acceptance. The Department will remove the signs.

LAU/LAR PROJECTS SHOULDER BUILDING NOT INCLUDED IN THE CONTRACT: The Contractor will furnish, install and maintain LOW/SOFT SHOULDER signs (yellow with black borders, ASTM Type III or IV) at the appropriate spacing, until Final Acceptance of the project by the Department. After Final Acceptance by the Department the signs will become the property and responsibility of the local government.

M. BUMP SIGNAGE:

MULTI-LANE DIVIDED HIGHWAYS: A bump sign (W8-1) shall be utilized when a transverse joint in the pavement structure has a vertical difference in elevation of three quarters (3/4") of an inch or greater in depth with no horizontal taper to ramp the traffic from one elevation to the other. This condition typically occurs at approach slabs during pavement milling operations and at transverse joints in asphaltic pavement lifts.

TWO-LANE TWO-WAY HIGHWAYS: A bump sign (W8-1) shall be utilized when a transverse joint in the pavement structure has a vertical difference in elevation that exceeds one and three quarters (1-3/4") inches in depth with no horizontal taper to ramp the traffic from one elevation to the other. This includes utility and storm drainage repairs that require concrete placement for patching and/or steel plating.

The (W8-1) sign shall be placed sufficiently in advance to warn the motorist of the condition.

N. PEDESTRIAN SIGNAGE:

Appropriate signs as described in the MUTCD shall be maintained to allow safe passage of pedestrian traffic or to advise pedestrians of walkway closures (Refer to MUTCD Figures TA-28 and TA-29 for guidance). Advance closure signing should be placed at intersections rather than midblock locations so that pedestrians are not confronted with midblock work sites that will induce them to attempt skirting the work site or making a midblock crossing. Signs and other devices mounted lower than seven (7) feet above the temporary pedestrian walkway shall not project more than four (4) inches into the accessible pedestrian facilities. Signs and other devices shall be placed such that they do not narrow any pedestrian passage to less than 48 inches.

150.04 PAVEMENT MARKINGS

A. GENERAL

Full pattern pavement markings in accordance with Section 652 and in conformance with Section 3A and 3B, except 3B.02, of the MUTCD are required on all courses before the roadway is opened to traffic. No passing zones shall be marked to conform to Subsection 150.04.E. During construction and maintenance activities on all highways open to traffic, both existing markings and markings applied under this Section shall be fully maintained until Final Acceptance. If the pavement markings are, or become, unsatisfactory in the judgement of the Engineer due to wear, weathering, or construction activities, they shall be restored immediately.

1. Resurfacing Projects

Pavement markings shall be provided on all surfaces that are placed over existing markings. Interim and final markings shall conform in type and location to the markings that existed prior to resurfacing unless changes or additions are noted in the Contract. The replacement of parking spaces will not be required unless a specific item or note has been included in the Contract. Any work to make additions to the markings that existed prior to resurfacing is to be considered as extra work.

2. Widening And Reconstruction Projects

If the lane configuration is altered from the preconstruction layout then pavement markings will be as required by the plans or the Engineer.

3. New Location Construction Projects

Pavement marking plans will be provided.

B. MATERIALS

All traffic striping applied under this Section shall be a minimum four inches in width or as shown in plans and shall conform to the requirements of Section 652, except as modified herein. Raised pavement markers (RPMs) shall meet the requirements of Section 654. Markings on the final surface course, which must be removed, shall be a removable type. The Contractor will be permitted to use paint, thermoplastic, or tape on pavement which is to be overlaid as part of the project, unless otherwise directed by the Engineer. Partial (skip) reflectorization (i.e. reflectorizing only a portion of a stripe) will not be allowed.

C. INSTALLATION AND REMOVAL OF PAVEMENT MARKINGS:

INSTALLATION: All pavement markings, both interim and permanent, shall be applied to a clean surface. The Contractor shall furnish the layout and preline the roadway surface for the placement of pavement markings applied as part of the temporary traffic control plan. All interim marking tape and RPM's on the final surface shall be removed prior to the placement of the final markings.

The Contractor shall sequence the work in such a manner as to allow the installation of markings in the final lane configuration at the earliest possible stage of the work.

REMOVAL: Markings no longer applicable shall be removed in accordance with Subsection 656.3.05.

THE ELIMINATION OF CONFLICTING PAVEMENT MARKINGS BY OVERPAINTING WITH UNAPPROVED PAINT OR ANY TYPE OF LIQUID ASPHALT IS NOT ACCEPTABLE.

INTERMEDIATE SURFACE: Interim markings shall be removed by methods that will cause minimal damage to the pavement surface while also ensuring that traveling public will not be confused or misdirected by any residual markings remaining on the intermediate surface. The use of approved black-out tape and black-out paint (manufactured for the sole purpose of covering existing pavement markings) may be permitted on some interim surfaces, provided the results are satisfactory to the Engineer.

FINAL SURFACE: No interim paint or thermoplastic markings will be permitted on any final surface unless the interim markings are in alignment with the location of the permanent markings and the interim marking will not interfere or adversely affect placement of the permanent markings. The proposed method of removal for layout errors that require markings to be removed from the final surface shall have the prior approval of the Engineer. Any damage to the final pavement surface caused by the pavement marking removal process shall be repaired at the Contractor's expense by methods acceptable and approved by the Engineer. Subsection 400.3.06.C shall apply when corrective measures are required. The use of black-out tape or black-out paint will not be permitted under any circumstance to correct layout errors on any final surface.

Traffic shifts that are done on the final surface shall be accomplished using interim traffic marking tape that can be removed without any blemishing of the final surface. Interim traffic marking tape shall be used on any of the following final surfaces; asphaltic concrete, Portland cement concrete, and bridge deck surfaces. The contractor may propose alternate traffic markings and removal methods on the final surface. Submitted proposals shall include the type of material, method of removal and a cost comparison to the traffic marking tape method. Prior to any approval, the contractor shall field demonstrate to the satisfaction of the Engineer that the proposed traffic markings can be removed without any blemishing of the final surface. If the proposal is determined to be acceptable, a supplemental agreement will be executed prior to the installation of the proposed alternate traffic markings. The supplemental agreement shall denote the type of traffic marking materials, method of removal and any cost and/or time savings to the Department. The Department will not consider or participate in any cost increase that may result from implementing the proposed alternate method.

PAY FACTOR REDUCTION FOR ASPHALTIC CONCRETE FINAL SURFACES: When the correction of an error in the layout of the final pavement markings requires the final surface to be grounded, blemished, scarred, or polished the pay factor shall be reduced to 0.95 for the entire surface area of the final topping that has a blemish, polished or a scarred surface. The reduced pay factor shall not be confined to only the width and length of the stripe or the dimensions of the blemished areas, the whole roadway surface shall have the reduced pay factor applied. The area of the

reduced pay factor shall be determined by the total length and the total width of the roadway affected. If the affected area is not corrected, the reduction in pay shall be deducted from the final payment for the topping layer of asphaltic concrete. The Engineer shall make the final determination whether correction or a reduced pay factor is acceptable.

The eradication of pavement markings on intermediate and final concrete surfaces shall be accomplished by a method that does not grind, polish, or blemish the surface of the concrete. The method used for the removal of the interim markings shall not spall chip the joints in the concrete and shall not damage the sealant in the joints. Any joint or sealant repairs shall be included in the bid price for Traffic Control-Lump Sum. The proposed method of removal shall have the prior approval of the Engineer.

Failure to promptly remove conflicting or non-applicable pavement markings shall be considered as non-performance under Subsection 150.08.

PREPARATION AND PLANNING FOR TRAFFIC SHIFTS: When shifting of traffic necessitates removal of centerline, lane lines, or edge lines, all such lines shall be removed prior to, during, or immediately after any change so as to present the least interference with traffic. Interim traffic marking tape shall be used as a temporary substitute for the traffic markings being removed.

Before any change in traffic lane(s) alignment, marking removal equipment shall be present on the project for immediate use. If marking removal equipment failures occur, the equipment shall be repaired or replaced (including leasing equipment if necessary), so that the removal can be accomplished without delay.

Except for the final surface, markings on asphaltic concrete may be obliterated by an overlay course, when approved by the Engineer. When an asphaltic concrete overlay is placed for the sole purpose of eliminating conflicting markings and the in place asphaltic concrete section will allow, said overlay will be eligible for payment only if designated in the Plans. Overlays to obliterate lines will be paid for only once and further traffic shifts in the same area shall be accomplished with removable markings. Only the minimum asphaltic concrete thickness required to cover lines will be allowed. Excessive build-up will not be permitted. When an overlay for the sole purpose of eliminating conflicting markings is not allowed, the markings no longer applicable shall be removed in accordance with Subsection 656.3.05.

D. RAISED PAVEMENT MARKERS

Raised pavement markers (RPMs) are required as listed below for all asphaltic concrete pavements before the roadway is open to traffic. On the final surface, RPM's shall be placed according to the timeframes specified in 150.04 E. for full pattern pavement markings except Interstate Highways where RPM's shall be placed and/or maintained when the roadway is open to traffic. When Portland Cement Concrete is an intermediate or final surface and is open to traffic, one calendar day is allowed for cleaning and drying before the installation of RPMs is required.

Raised pavement markers are not allowed on the right edge lines under any situation.

1. Interstate Highways

Retro-reflective raised pavement markers (RPM's) shall be placed and/or maintained on intermediate pavements surfaces on all interstate highways that are open to traffic. This includes all resurfacing projects along with widening and reconstruction projects. The spacing and placement shall be as required for MULTI-LANE DIVIDED HIGHWAYS.

2. Multi-Lane Divided Highways

Retro-reflective raised pavement markers (RPMs) shall be placed and/or maintained on intermediate pavement surfaces on all multi-lane divided highways that are opened to traffic when these roadways are being widened or reconstructed. Two lane-two way roadways that are being widened to a multi-lane facility, whether divided or undivided, are included in this provision. Projects consisting primarily of asphalt resurfacing items or shoulder widening items are excluded from this requirement. The RPMs shall be placed as follows:

a. SUPPLEMENTING LANE LINES

80 foot center on skip lines with curvature less than three degrees. (Includes tangents)

40 foot centers on solid lines and all lines with curvature between three degrees and six degrees.

20 foot centers on curves over six degrees.

20 foot centers on lane transitions or shifts.

b. SUPPLEMENTING RAMP GORE LINES

20 foot centers, two each, placed side by side.

c. OTHER LINES

As shown on the plans or directed by the Engineer.

3. Other Highways

On other highways under construction RPMs shall be used and/or maintained on intermediate pavement surfaces as follows:

a. SUPPLEMENTING LANE LINES AND SOLID LINES

40 foot centers except on lane shifts. (When required in the Plans or Contract.)

20 foot centers on lane shifts. (Required in all cases.)

b. SUPPLEMENTING DOUBLE SOLID LINES

40 foot centers (one each beside each line) except on lane shifts. (When required in the Plans or Contract.)

20 foot centers on lane shifts. (Required in all cases.)

E. EXCEPTIONS FOR INTERIM MARKINGS

Some exceptions to the time of placement and pattern of markings are permitted as noted below; however, full pattern pavement markings are required for the completed project.

1. Two-Lane, Two-Way Roadways

a. SKIP LINES

All interim skip (broken) stripe shall conform to Section 652 except that stripes shall be at least two feet long with a maximum gap of 38 feet. On curves greater than six degrees, a one-foot stripe with a maximum gap of 19 feet shall be used. In lane shift areas solid lines will be required. Interim skip lines shall be replaced with markings in full compliance with Section 652 prior to expiration of the 14 calendar day period.

Interim raised pavement markers may be substituted for the interim skip (broken) stripes. If raised pavement markers are substituted for the two foot interim skip stripe, three markers spaced at equal intervals over a two feet distance will be required. No separate payment will be made if the interim raised pavement markers are substituted for interim skip lines.

Interim raised pavement markers shall be retro-reflective, shall be the same color as the pavement markers for which they are substituted, and shall be visible during daytime.

The type of interim marker and method of attachment to the pavement shall be approved by the Office of Materials and Research but in no case will the markers be attached by the use of nails. Flexible reflective markers, Type 14 or Type 15, may be used for a maximum of fourteen (14) calendar days as an interim marker. Any flexible reflective markers in use shall be from the qualified products list (QPL).

The interim raised pavement markers shall be maintained until the full pattern pavement markings are applied. At the time full pattern markings are applied the interim raised markers shall be removed in a manner that will not interfere with application of the full pattern pavement markings.

b. NO PASSING ZONES-TWO-LANE, TWO-WAY ROADWAYS

Passing zones shall be re-established in the locations existing prior to resurfacing. No changes to the location of passing zones shall be done without the written approval of the Engineer. For periods not to exceed three calendar days where interim skip centerlines are in place, no-passing

zones shall be identified by using post or portable mounted DO NOT PASS regulatory signs (R4-1 24″ x 30″) at the beginning and at intervals not to exceed ½ mile within each no-passing zone. A post or portable mounted PASS WITH CARE regulatory sign (R4-1 24″ x 30″) shall be placed at the end of each no-passing zone. Post mounted signs shall be placed in accordance with the MUTCD. Portable signs shall conform to the requirements of the MUTCD and shall be NCHRP 350 compliant. Portable signs shall be secured in such a manner to prevent misalignment and minimize the possibility of being blown over by weather conditions or traffic.

On new location projects and on projects where either horizontal or vertical alignments has been modified, the location of No-Passing Zones will be identified by the Engineer.

c. EDGELINES

1) Bituminous Surface Treatment Paving
Edgelines will not be required on intermediate surfaces (including asphaltic concrete leveling for bituminous surface treatment paving) that are in use for a period of less than 60 calendar days except at bridge approaches, on lane transitions, lane shifts, and in such other areas as determined by the Engineer. On the final surface, edgelines shall be placed within 30 calendar days of the time that the final surface was placed.

2) All Other Types of Pavement
Edgelines will not be required on intermediate surfaces that are in use for a period of less than 30 calendar days except at bridge approaches, on lane transitions, lane shifts, and in such other areas as determined by the Engineer. On the final surface, edgelines shall be placed within 14 calendar days of the time that the surface was placed.

2. Multi-Lane Highways – With No Paved Shoulder(S) Or Paved Shoulder(S) Four Feet Or Less

a. UNDIVIDED HIGHWAYS (INCLUDES PAVED CENTER TURN LANE)

1) Centerlines and No-Passing Barrier-Full Pattern centerlines and no-passing barriers shall be restored before opening to traffic.

2) Lanelines- Interim skip (broken) stripe as described in Subsection 150.04E.1.a. may be used for periods not to exceed three calendar days. Skiplines are not permitted in lane shift areas. Solid lines shall be used.

3) Edgelines- Edgelines shall be placed on intermediate and final surfaces within three calendar days of obliteration.

b. DIVIDED HIGHWAYS (GRASS OR RAISED MEDIAN)

1) Lanelines- Full pattern skip stripe shall be restored before opening to traffic. Skip lines are not permitted in lane shift areas. Solid lines shall be required.

2) Centerline/Edgeline- Solid lines shall be placed on intermediate and final surfaces within three calendar days of obliteration.

3. Limited Access Roadways And Roadways With Paved Shoulders Greater Than Four Feet

a. Same as Subsection 150.04.E.2 except as noted in (b) below.

b. EDGELINES-

1) Asphaltic Concrete Pavement- Edgelines shall be placed on intermediate and final surfaces prior to opening to traffic.

2) Portland Cement Concrete Pavement- Edgelines shall be placed on any surface open to traffic no later than one calendar day after work is completed on a section of roadway. All water and residue shall be removed prior to daily striping.

4. Ramps For Multi-Lane Divided Highways

A minimum of one solid line edge stripe shall be placed on any intermediate surface of a ramp prior to opening the ramp to traffic. The other edge stripe may be omitted for a maximum period of three (3) calendar days on an intermediate surface. Appropriate channelization devices shall be spaced at a maximum of twenty-five (25') feet intervals until the other stripe has been installed.

The final surface shall have both stripes placed prior to opening the ramp to traffic.

5. MISCELLANEOUS PAVEMENT MARKINGS:

FINAL SURFACE: School zones, railroads, stop bars, symbols, words and other similar markings shall be placed on final surfaces conforming to Section 652 within fourteen (14) calendar days of completion of the final surface. Final markings shall conform to the type of pay item in the plans. When no pay item exists in the plans the final markings shall conform to Section 652 for painted markings.

INTERMEDIATE SURFACE: Intermediate surfaces that will be in use for more than forty-five (45) calendar days shall have the miscellaneous pavement markings installed to conform to the requirement of Section 652. Under Subsection 150.11, Special Conditions, or as directed by the Engineer these markings may be eliminated.

F. MOBILE OPERATIONS

When pavement markings (centerlines, lane lines, and edgelines) are applied in a continuous operation by moving vehicles and equipment, the following minimum equipment and warning devices shall be required. These devices and equipment are in addition to the minimum requirements of the MUTCD.

1. All Roadways

All vehicles shall be equipped with the official slow moving vehicle symbol sign. All vehicles shall have a minimum of two flashing or rotating beacons visible in all directions. All protection vehicles shall have an arrow panel mounted on the rear. All vehicles requiring an arrow panel shall have, as a minimum, a Type B panel. All vehicle mounted signs shall be mounted with the bottom of the sign a minimum height of forty-eight inches (48") above the pavement. All sign legends shall be covered or removed from view when work is not in progress.

2. Two-Lane Two-Way Roadways

a. Lead Vehicles

The lead vehicle may be a separate vehicle or the work vehicle applying the pavement markings may be used as the lead vehicle. The lead vehicle shall have an arrow panel mounted so that the panel is easily visible to oncoming (approaching) traffic. The arrow panel should typically operate in the caution mode.

b. Work Vehicles

The work vehicle(s) applying markings shall have an arrow panel mounted on the rear. The arrow panel should typically operate in the caution mode. The work vehicle placing cones shall follow directly behind the work vehicle applying the markings.

c. Protection Vehicles

A protection vehicle may follow the cone work vehicle when the cones are being placed and may follow when the cones are being removed.

3. MULTI-LANE ROADWAYS

A lead vehicle may be used but is not required. The work vehicle placing cones shall follow directly behind the work vehicle applying the markings. A protection vehicle that does not function as a work vehicle should follow the cone work vehicle when traffic cones are being placed. A protection vehicle should follow the cone work vehicle when the cones are being removed from the roadway. Protection vehicles shall display a sign on the rear of the vehicle with the legend PASS ON LEFT (RIGHT).

INTERSTATES AND LIMITED ACCESS ROADWAYS: A protection vehicle shall follow the last work vehicle at all times and shall be equipped with a truck mounted attenuator that is certified for impacts not less than 62 mph in accordance with NCHRP350 Test Level Three (3).

150.05 CHANNELIZATION

A. GENERAL

Channelization shall clearly delineate the travelway through the work zone and alert drivers and pedestrians to conditions created by work activities in or near the travelway. Channelization shall be done in accordance with the plans and specifications, the MUTCD, and the following requirements.
All Channelization Devices utilized on any project shall be NCHRP 350 compliant. Any device used on the Work shall be from the Qualified Products List. All devices utilized on the work shall have a decal, logo, or manufacturer's stamping that clearly identifies the device as NCHRP 350 compliant. The Contractor may be required to furnish certification from the Manufacturer for any device to prove NCHRP 350 compliance.

1. Types of Devices Permitted for Channelization in Construction Work Zones:

a. DRUMS:

1) DESIGN: Drums shall meet the minimum requirement of the MUTCD and shall be reflectorized as required in Subsection 150.01.D. The upper edge of the top reflectorized stripe on the drum shall be located a minimum of 33 inches above the surface of the roadway. A minimum drum diameter of 18 inches shall be maintained for a minimum of 34 inches above the roadway.

2) APPLICATION: Drums shall be used as the required channelizing device to delineate the full length of a lane closure, shift, or encroachment, except as modified by this Subsection.

3) TRANSITION TAPERS FOR LANE CLOSURES: Drums shall be used on all transition tapers. The minimum length for a merging taper for a lane closure on the travelway shall be as shown in Table 150-1:

TABLE 150-1

Posted Speed Limit, MPH	Lane Width 9 Feet	Lane Width 10 Feet	Lane Width 11 Feet	Lane Width 12 Feet	Maximum Drum Spacing in Tapers, (Feet)
	Minimum Taper Length (L) in Feet				
20	60	70	75	80	20
25	95	105	115	125	25
30	135	150	165	180	30
35	185	205	225	245	35
40	240	270	295	320	40
45	405	450	495	540	45
50	450	500	550	600	50
55	495	550	605	660	55
60	540	600	660	720	60
65	585	650	715	780	65
70	630	700	770	840	70
75	675	750	825	900	75

If site conditions require a longer taper then the taper shall be lengthened to fit particular individual situations.

The length of shifting tapers should be at least ½ L.

The length of a closed lane or lanes, excluding the transition taper(s), shall be limited to a total of two (2) miles. Prior approval must be obtained from the Engineer before this length can be increased.

Night time conditions: When a merge taper exists into the night all drums located in the taper shall have, for the length of the taper only, a six (6") inch fluorescent orange (ASTM Type VI, VII, VIII, IX or X) reflectorized top stripe on each drum. The top six-inch stripe may be temporarily attached to the drum while in use in a taper. The Engineer may allow the fluorescent orange reflectorized six (6") inch top stripe on each drum in a merging taper to remain in place during daylight hours provided there is a lane closure(s) with a continuous operation that begins during one nighttime period and ends during another nighttime period. All drums that have the six-inch top stripe permanently attached shall not be used for any other conditions.

Multiple Lane Closures:

(a) A maximum of one lane at a time shall be closed with each merge taper.

(b) A minimum tangent length of 2 L shall be installed between each individual lane closure taper.

4) LONGITUDINAL CHANNELIZATION: Drums shall be spaced as listed below for various roadside work conditions except as modified by

Subsection 150.06. Spacing shall be used for situations meeting any of the conditions listed as follows:

(a) 40 FOOT SPACING MAXIMUM

(1) For difference in elevation exceeding two inches.

(2) For healed sections no steeper than 4:1 as shown in Subsection 150.06, Detail 150-E.

(b) 80 FOOT SPACING MAXIMUM

(1) For difference in elevation of two inches or less.

(2) Flush areas where equipment or workers are within ten feet of the travel lane.

(c) 200 FOOT SPACING MAXIMUM: Where equipment or workers are more than ten feet from travel lane. Lateral offset clearance to be four feet from the travel lane.

(1) For paved areas eight feet or greater in width that are paved flush with a standard width travel lane.

(2) For disturbed shoulder areas not completed to typical section that are flush to the travel lane and considered a usable shoulder.

REMOVAL OF DRUMS: Drums may be removed after shoulders are completed to typical section and grassed. Guardrail and other safety devices shall be installed and appropriate signs advising of conditions such as soft or low shoulder shall be posted before the drums are removed.

b. VERTICAL PANELS

1) DESGN: All vertical panels shall meet the minimum requirements of the MUTCD. All vertical panels shall have a minimum of 270 square inches of retro-reflective area facing the traffic and shall be mounted with the top of the reflective panel a minimum of 36" above the roadway.

2) APPLICATION: Lane encroachment by the drum on the travelway should permit a remaining lane width of ten feet. When encroachment reduces the travelway to less than ten feet, vertical panels shall be used to restore the travelway to ten feet or greater. No other application of vertical panels will be permitted.

c. CONES

1) DESIGN: All cones shall be a minimum of 28 inches in height regardless of application and shall meet the requirement of the MUTCD. Reflectorization may be deleted from all cones.

2) APPLICATION: For longitudinal channelizing only, cones will be permitted for daylight closures or minor shifts. (Drums are required for all tapers.) The use of cones for nighttime work will not be permitted. Cones shall not be stored or allowed to be visible on the worksite during nighttime hours.

d. BARRICADES

DESIGN: Type III barricades shall meet the minimum requirements of the MUTCD and shall be reflectorized as required in Subsection 150.01.D. The Contractor has the option of choosing Type III barricades from the Qualified Products List or the Contractor may utilize generic barricades that are approved by the Federal Highway Administration (FHWA). When barricades have been specifically crash tested with signs attached, the contractor has the responsibility to attach the signs as per the manufacturer's recommendations to ensure crashworthiness. If signs are attached to generic barricades or to barricades from the Qualified Products List (QPL) that have not been crash tested with signs attached then the responsibility for crashworthiness and the liability for mounting these signs to the barricades are assumed by the Contractor and the Contractor shall certify that the barricades are crashworthy under FHWA workzone guidelines for NCHRP 350 crashworthy compliance. Any generic barricades used in the work shall be stamped or stenciled to show compliance with NCHRP 350. The use of Type I and Type II barricades will not be permitted.

1) APPLICATION: Type III barricades shall be placed as required by the plans, the Standards, and as directed by the Engineer. All signs mounted on barricades shall be mounted to comply with the requirements of the MUTCD and NCHRP 350 Test Level III. NCHRP 350 crashworthy compliance may require that rigid signs be mounted separate from the Type III barricade.

When a barricade is placed so that it is subject to side impact from a vehicle, a drum shall be placed at the side of the barricade to add target value to the barricade.

e. WARNING LIGHTS:

1) DESIGN: All warning lights shall meet the requirements of the MUTCD.

2) APPLICATION

(a) Type A low-intensity flashing lights shall be used as shown in the Plans, the Standards, and as directed by the Engineer. Flashing lights are not required for advance warning signs in Subsection 150.03.H.

(b) Type C Steady-Burn lights shall be used as shown in the Plans, the Standards, and as directed by the Engineer. Steady-burn lights are not required on drums for merging tapers that exist into the night.

f. TEMPORARY BARRIERS

1) DESIGN: Temporary barriers shall meet the requirements of Sections 620.

2) APPLICATION: Temporary barriers shall be placed as required by the plans, standards, and as directed by the Engineer. When Temporary barrier is located 20 feet or less from a travel lane, yellow reflectors shall be fixed to the top of the barrier at intervals not greater than 40 feet in the longitudinal section and 20 feet in the taper section and shall be mounted approximately two inches above the barrier. If both lanes of a two-lane two-way roadway are within 20 feet or less of the barrier then the reflectors shall be installed for both directions of traffic.

The reflectors shall be 100 square inches (ASTM Type VII or VIII) reflective sheeting mounted on flat-sheet blanks. The reflectors shall be mounted approximately two inches above the top of the barrier. The reflectors shall be attached to the barrier with adhesive or by a drilled-in anchor type device. The reflectors shall not be attached to a post or board that is placed between the gap in the barrier sections.

Approach end of Temporary barrier shall be flared or protected by an impact attenuator (crash cushion) or other approved treatment in accordance with Construction Details/Standards and Standard Specifications.

On interstate or other controlled access highways where lane shifts or crossovers cause opposing traffic to be separated by less than 40 ft., portable barrier shall be used as a separator.

B. PORTABLE IMPACT ATTENUATORS:

1. DESCRIPTION

This work consists of the furnishing (including spare parts), installation, maintenance, relocation, reuse as required, and removal of Portable Impact Attenuator Units/Arrays.

2. MATERIALS

Materials used in the Attenuator shall meet the requirements of Section 648 for Portable Impact Attenuators.

3. CONSTRUCTION

Portable Impact Attenuator Unit/Arrays installation shall conform to the requirements of Section 648, Manufacturer's recommendations and Georgia Standard 4960 and shall be installed at locations designated by the Engineer, and/or as shown on the plans.

C. TEMPORARY GUARDRAIL ANCHORAGE- Type 12:

1. DESCRIPTION

This work consists of the furnishing, installation, maintenance and removal or Temporary Guardrail Anchorage- Type 12 used for Portable Barrier or temporary guardrail end treatment.

2. MATERIALS

Materials used in the Temporary Guardrail Anchorage- Type 12 shall meet the requirements of Subsection 641.2 of the Specifications and current Georgia Standards and may be new or used. Materials salvaged from the Project which meet the requirements of Standards may be utilized if available. The use of any salvaged materials will require prior approval of the Engineer.

3. CONSTRUCTION

Installation of the Temporary Guardrail Anchorage- Type 12 shall conform to the requirements of the Plans, current Georgia Standards and Subsection 641.3 of the Specifications. Installation shall also include sufficient additional guardrail and appurtenances to effect the transition and connection to Temporary Concrete Barrier as required by the details in Georgia Standard 4960.

150.06 DIFFERENCES IN ELEVATION BETWEEN TRAVEL LANES AND SHOULDERS (SEE SUBSECTION 150.06.G FOR PROJECTS CONSISTING PRIMARILY OF ASPHALTIC CONCRETE RESURFACING ITEMS)

Any type of work such as paving, grinding, trenching, or excavation that creates a difference in elevation between travel lanes or between the travelway and the shoulder shall not begin until the Contractor is prepared and able to continuously place the required typical section to within two inches (2″) of the existing pavement elevation. For any areas that the two inches minimum difference in elevation cannot be accomplished the section shall be healed as shown in Detail 150-E. If crushed stone materials are used to provide a healed section no separate payment will be made for the material used to heal any section. The Contractor may submit a plan to utilize existing pay items for crushed stone provided the plan clearly demonstrates that the materials used to heal an area will be incorporated into the work with minimal waste. Handling and hauling of any crushed stone used to heal shall be kept to a minimum. The Engineer shall determine if the crushed stone used to heal meets the specifications for gradation and quality when the material is placed in the final location.

A maximum of sixty (60) calendar days shall be allowed for conditions to exist that require any section or segment of the roadway or ramp to continue to require a healed section as described by Detail 150-E. Failure to meet this requirement shall be considered as non-performance of Work under Subsection 150.08.

When trenching or excavation for minor roadway or shoulder widening is required, all operations at one site shall be completed to the level of the existing pavement in the same work day.

Any channelization devices utilized in the work shall conform to the requirements of Subsection 150.05 and to the placement and spacing requirements in Details 150-B, 150-C, 150-D, and 150-E shown in this section.

Any construction activity that reduces the width of a travel lane shall require the use of a W-20 sign with the legend "LEFT/RIGHT LANE NARROWS". Two 24" x 24" red or red/orange flags may be mounted above the W-20 sign. The W-20 sign shall be located on the side of the travelway that has been reduced in width just off the travelway edge of pavement. The W-20 sign shall be a minimum of 500 feet in advance of any channelization devices that encroach on the surface of travelway. A portable changeable message sign may be used in lieu of the W-20 sign.

GENERAL/TIME RESTRICTIONS:

A. STONE BASES, SOIL AGGREGATE BASE AND SOIL BASES

1. All Highways

Differences in elevation of more than two inches between surfaces carrying or adjacent to traffic will not be allowed for more than a 24-hour period. A single length of excavated area that does not exceed 1000 feet in total length may be left open as a start up area for periods not to exceed 48 hours provided the Contractor can demonstrate the ability to continuously excavate and backfill in a proficient manner. Prior approval of the Engineer shall be obtained before any startup area may be allowed.

2. LIMITED ACCESS HIGHWAY RAMPS (INTERSTATES):

On projects that include ramp rehabilitation work, one ramp at a time may be excavated for the entire length of the ramp from the gore point of the ramp with the interstate mainline to the intersection with the crossing highway. This single ramp may remain excavated with a vertical difference in elevation greater than two (2") inches for a maximum of fourteen (14) calendar days with drums spaced at twenty (20') feet intervals as shown in Detail 150-B and a buffer space accepted under Section 150.06.F. After fourteen (14) calendar days the section shall be healed as required for all other highways. This area will be allowed in addition to the 1000 feet allowed for all other highways.

B. ASPHALT BASES, BINDERS AND TOPPINGS

1. DIFFERENCES IN ELEVATION BETWEEN THE SURFACES OF ADJACENT TRAVELWAYS

Travel lanes shall be paved with a plan that minimizes any difference in elevation between adjacent travel lanes. The following limitations will be required on all work:

a. Differences of two inches (2") or less may remain for a maximum period of fourteen (14) calendar days.

b. Differences of greater than two inches (2") shall be permitted for continuous operations only.

EMERGENCY SITUATIONS: Inclement weather, traffic accidents, and other events beyond the control of the Contractor may prevent the work from being completed as required above. The Contractor shall notify the Engineer in writing stating the conditions and reasons that have prevented the Contractor from complying with the time limitations. The Contractor shall also outline a plan detailing immediate steps to complete the work. Failure to correct these conditions on the first calendar day that conditions will allow corrective work shall be considered as non-performance of Work under Subsection 150.08.

2. Differences in Elevation Between Asphalt Travelway and Paved Shoulders

Differences in elevation between the asphalt travelway and asphalt paved shoulders shall not be allowed to exist beyond the maximum durations outlined below for the conditions shown in Details 150-B, 150-C, 150-D, and 150-E:

Detail 150-B conditions shall not be allowed for more than 24 hours. A single length that does not exceed 1000 feet in total length may be left open for periods not to exceed 48 hours provided the Contractor can demonstrate the ability to continuously pave in a proficient manner. Prior approval of the Engineer shall be obtained before any section is allowed to exceed 24 hours. Any other disturbed shoulder areas shall be healed as in Detail 150-E.

Detail 150-C conditions will not be allowed for more than 48 hours.

Detail 150-D conditions will not be allowed for more than 30 calendar days.

Detail 150-E conditions will not be allowed for more than 60 calendar days.

Failure to meet these requirements shall be considered as non-performance of Work under Subsection 150.08.

C. PORTLAND CEMENT CONCRETE

Work adjacent to a Portland Cement Concrete traveled way which involves the following types of base and shoulders shall be accomplished according to the time restrictions outlined for each type of base or shoulder. Traffic control devices shall be in accordance with Subsection 150.05.

1. Cement Stabilized Base

Work adjacent to the traveled way shall be healed as per Detail 150-E within forty-eight (48) hours after the seven (7) calendar day curing period is complete for each section placed. During the placement and curing period, traffic control shall be in accordance Detail 150-B.

2. Asphaltic Concrete Base

When an asphaltic concrete base is utilized in lieu of a cement stabilized base the asphaltic concrete base shall be healed as per Detail 150-E within forty-eight (48) hours after the placement of each section of asphaltic concrete base. For the first forty eight hours traffic control shall be in compliance with Detail 150-B.

3. Concrete Paved Shoulders

Concrete paved shoulders shall be placed within sixty (60) calendar days after the removal of each section of existing shoulder regardless of the type of base materials being placed on the shoulders. During the placement period, traffic control devices shall be in accordance with the appropriate detail based on the depth of the change in elevation. Differences in elevation of more than two inches between the travel way and the shoulder will not be allowed for more than a 24-hour period. A single length of excavated area that does not exceed 1000 feet in total length may be left open as a start up area for periods not to exceed 48 hours provided the Contractor can demonstrate the ability to continuously excavate and backfill in a proficient manner. Prior approval of the Engineer shall be obtained before any startup area may be allowed. Any other disturbed shoulder areas shall be healed as in Detail 150-E.

4. Asphaltic Concrete Shoulders

A difference in elevation that meets the requirements of Detail 150-B shall not be allowed to exist for a period greater than forty-eight (48) hours. After the removal of the existing shoulder the section or segment of travelway may be healed with stone as per Detail 150-E for a maximum of fourteen (14) calendar days. Asphaltic concrete shoulders shall be placed within two (2″) inches or less of the traveled way surface within fourteen (14) calendar days after the removal of the stone healed section or the removal of each section of the existing shoulder. The two (2″) inches or less difference in elevation shall not remain in existence for a period that exceeds thirty (30) calendar days unless the paved shoulder is utilized as a detour for the traveled way. During the placement period, traffic control shall be in accordance with the appropriate detail based on the depth of the change in elevation.

The Contractor may propose an alternate plan based on Subsection 150.06.F. Failure to meet the above requirements and time restrictions shall be considered as non-performance of Work under Subsection 150.08.

D. MISCELLANEOUS ELEVATION DIFFERENTIALS FOR EXCAVATIONS ADJACENT TO THE TRAVELWAY

Drainage structures, utility facilities, or any other work which results in a difference in elevation adjacent to the travelway shall be planned and coordinated to be performed in such a manner to minimize the time traffic is exposed to this condition. The excavation should be back filled to the minimum requirements of Detail 150-E as soon as practical. Stage construction such as plating or backfilling the incomplete work may be required. The difference in elevation shall not be allowed to exist for more than five (5) calendar days under

any circumstances. Failure to correct this condition shall be considered as non-performance of Work under Subsection 150.08.

E. CONDUIT INSTALLATION IN PAVED AND DIRT SHOULDERS

The installation of conduit and conduit systems along the shoulders of a traveled way shall be planned and installed in a manner to minimize the length of time that traffic is exposed to a difference in elevation condition. The following restrictions and limitations shall apply:

1. Differences in Elevation of Two (2") Inches or Less

The shoulder may remain open when workers are not present. When workers are present the shoulder shall be closed and the channelization devices shall meet the requirements of Subsection 150.05. The difference in elevation on the shoulder shall remain for a maximum period of fourteen (14) calendar days.

2. Differences in Elevation Greater Than Two (2") Inches

The shoulder shall be closed. The shoulder closure shall not exceed twenty-four (24) hours in duration unless the Special Conditions in Subsection 150.11 modifies this restriction or the Engineer allows the work to be considered as a continuous operation.

Failure to meet these requirements shall be considered as non-performance of Work under Subsection 150.08.

F. MODIFICATIONS TO TIME RESTRICTIONS

The Contractor may propose any alternate temporary traffic control plan that utilizes a portion of the travel lane as a "buffer space". This buffer space may allow for an enhanced work area that will allow for the placement of materials to proceed at a pace that could not be achieved with the time restriction requirements outlined in Subsections 150.06.A, 150.06.B, and 150.06.C. The Contractor may propose modified time restrictions based on the use of the buffer space. Any proposed modifications in the time duration allowed for the differences in elevations to exist shall be reviewed by the Engineer as a component of the overall TTC plan. No modifications shall be made until the proposed plan is accepted by the Engineer. The Engineer shall have no obligation to consider any proposal which results in an increase in cost to the Department.

For the travel lane described in each of the Details 150-B, 150-C, 150-D and 150-E it is presumed that the pavement marking edgeline (yellow or white solid stripe) is located at the very edge of the travel lane surface. A buffer space (temporary paved shoulder) that utilizes a portion of the travel lane should be six (6') feet in width desirable but shall not be less than four (4') feet in width. Any remaining travel lane(s) shall not be less than ten (10') feet in width. Modifications to drum spacing shown in the details above will not be allowed.

If the proposed shifting of the traffic to obtain a buffer space and maintain a minimum travel lane(s) of ten (10') feet requires the use of any existing paved shoulders then the cost of maintenance and repair of the existing paved shoulder(s) shall be the responsibility of the Contractor. The Contractor is responsible for the costs of maintenance and repairs even if the existing paved shoulder(s) is to be removed in a later stage of the work. Existing shoulders that have rumble strips shall have the rumble strips removed before the shoulder can be utilized as part of the travel lane. The cost of the removal of the rumble strips shall be done at no cost to the Department even if the shoulder is to be removed in a later stage of the work.

Any modifications to the staging and time restrictions that are approved as part of the TTC plan shall be agreed to in writing. Failure to meet these modifications shall be considered as non-performance of the Work under Subsection 150.08.

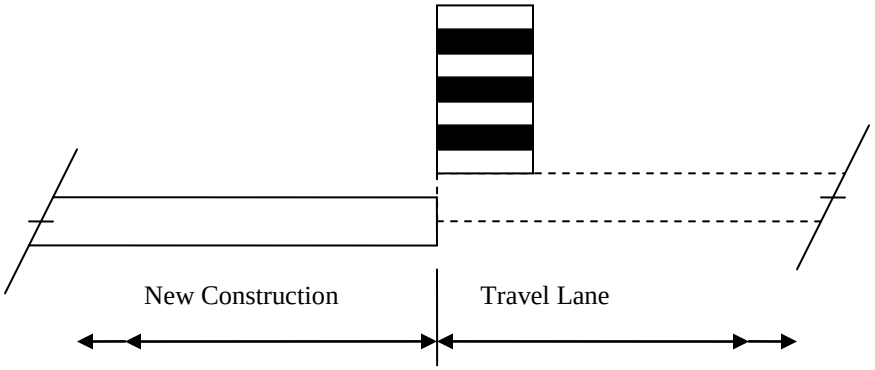
G. ASPHALTIC CONCRETE RESURFACING PROJECTS

SHOULDER CONSTRUCTION INCLUDED AS A PART OF THE CONTRACT: When the placement of asphaltic concrete materials creates a difference in elevation greater than two (2") inches between the earth shoulder (grassed or un-grassed) and the edge of travelway or between the earth shoulder and a paved shoulder that is less than four (4') feet in width, the Contractor shall place and maintain drums in accordance with the requirements of Subsection 150.05A.1.a.4). When the edge of the paved surface is tapered with a 30-45 degree wedge, drums may be spaced at 2.0 times the speed limit in MPH. Drums shall remain in place and be maintained until the difference in elevation has been eliminated by the placement of the appropriate shoulder materials.

SHOULDER CONSTRUCTION NOT INCLUDED AS A PART OF THE CONTRACT: When the placement of asphaltic concrete materials creates a difference in elevation greater than two (2") inches between the earth shoulder (grassed or un-grassed) and the edge of travelway or between the earth shoulder and a paved shoulder that is less than four (4') feet in width, the Contractor shall notify the Engineer, in writing, when the resurfacing work including all punchlist items has been completed.

See Subsection 150.03.L for the requirements for "LOW/SOFT SHOULDERS" and "SHOULDER DROP-OFF" signage.

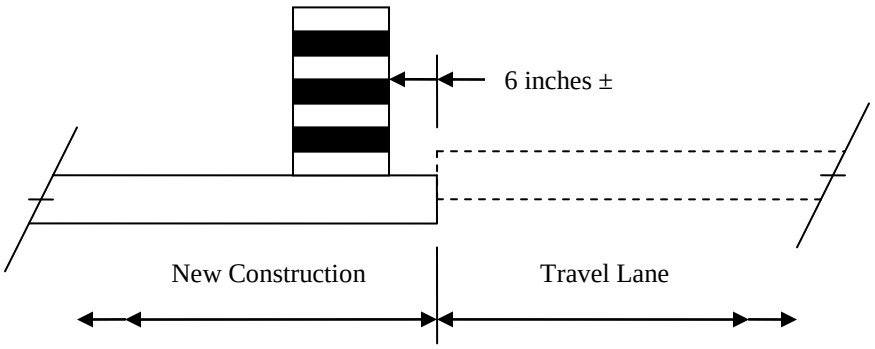
Location of drums when Elevation Difference exceeds 4 inches. Drums spaced at 20 foot intervals. **Note**: If the travel way width is reduced to less than 10 feet by the use of drums, vertical panels shall be used in lieu of drums.	



ELEVATION DIFFERENCE GREATER THAN 4 INCHES

DETAIL 150-B

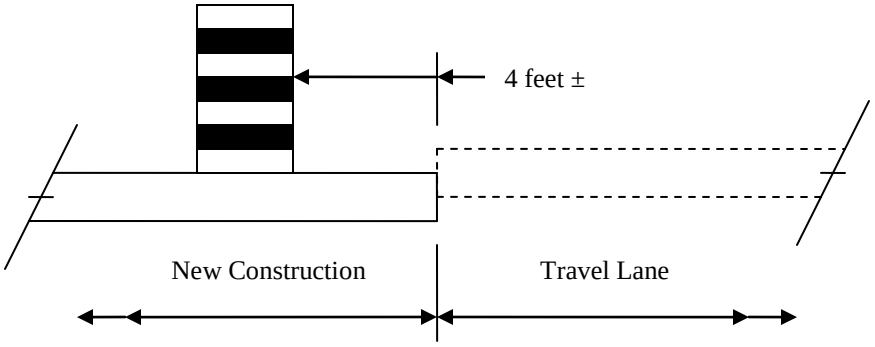
Drums spaced at 40 foot intervals.	Location of drums when Elevation Difference is 2+ inches to 4 inches.



ELEVATION DIFFERENCE 2+ to 4 inches

DETAIL 150-C

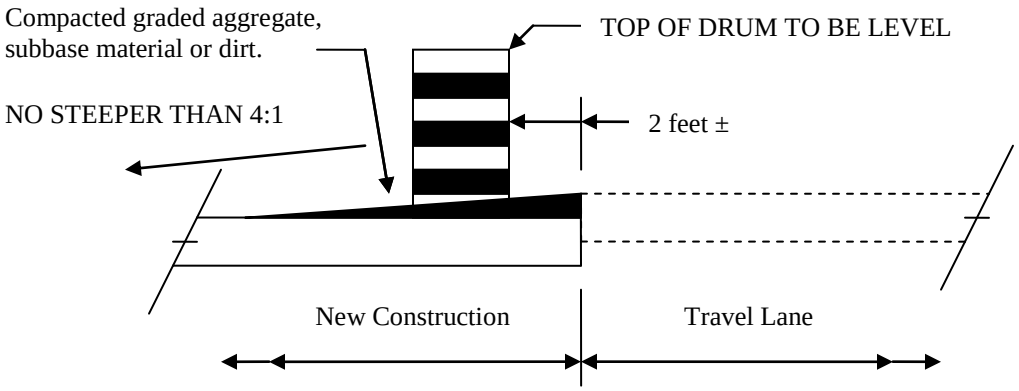
Drums spaced at 80 foot intervals.	Location of drums when Elevation Difference is 2 inches or less.



ELEVATION DIFFERENCE OF 2 INCHES OR LESS

DETAIL 150-D

	Location of drums immediately after completion of healed sections spaced at 40 foot intervals.



HEALED SECTION

DETAIL 150-E

150.07 FLAGGING AND PILOT CARS:

A. FLAGGERS

Flaggers shall be provided as required to handle traffic, as specified in the Plans or Special Provisions, and as required by the Engineer.

B. FLAGGER CERTIFICATION

All flaggers shall meet the requirements of the MUTCD and shall have received training and a certificate upon completion of the training from one of the following organizations:

National Safety Council
Southern Safety Services
Construction Safety Consultants
Ivey Consultants
American Traffic Safety Services Association (ATSSA)

Certifications from other agencies will be accepted only if their training program has been approved by any one of the organizations listed above.

Failure to provide certified flaggers as required above shall be reason for the Engineer suspending work involving the flagger(s) until the Contractor provides the certified flagger(s). Flaggers shall have proof of certification and valid identification (photo I.D.) available any time they are performing flagger duties.

C. FLAGGER APPEARANCE AND EQUIPMENT

Flaggers shall wear high-visibility clothing in compliance with Subsection 150.01.A. The apparel background (outer) material color shall be fluorescent orange-red, fluorescent yellow-green, or a combination of the two as defined in the ANSI standard. The retroreflective material shall be orange, yellow, white, silver, yellow-green, or a fluorescent version of these colors, and shall be visible at a minimum distance of one thousand (1000) feet. The retroreflective safety apparel shall be designed to clearly identify the wearer as a person. They shall use a Stop/Slow paddle meeting the requirements of the MUTCD for controlling traffic. The Stop/Slow paddles shall have a shaft length of seven (7) feet minimum. The Stop/Slow paddle shall be retro-reflectorized for both day and night usage. In addition to the Stop/Slow paddle, a flagger may use a flag as an additional device to attract attention. This flag shall meet the minimum requirements of the MUTCD. The flag shall, as a minimum, be 24" inches square and red or red/orange in color. For night work, the vest shall have reflectorized stripes which meet the requirements of the MUTCD.

D. FLAGGER WARNING SIGNS

Signs for flagger traffic control shall be placed in advance of the flagging operation in accordance with the MUTCD. In addition to the signs required by the MUTCD, signs at regular intervals, warning of the presence of the flagger shall be placed beyond

the point where traffic can reasonably be expected to stop under the most severe conditions for that day's work.

E. PILOT VEHICLE REQUIREMENTS

Pilot vehicles will be required during placement of bituminous surface treatment or asphaltic concrete on two-lane roadways unless otherwise specified. Pilot vehicles shall meet the requirements of the MUTCD.

F. PORTABLE TEMPORARY TRAFFIC CONTROL SIGNALS

The Contractor may request, in writing, the substitution of portable temporary traffic control signals for flaggers on two-lane two-way roadways provided the temporary signals meets the requirements of the MUTCD, Section 647, and Subsection 150.02.A.8. As a part of this request, the Contractor shall also submit an alternate temporary traffic control plan in the event of a failure of the signals. Any alternate plan that requires the use of flaggers shall include the use of certified flaggers. The Contractor shall obtain the approval of the Engineer before the use of any portable temporary traffic control signals will be permitted.

150.08 ENFORCEMENT

The safe passage of pedestrians and traffic through and around the temporary traffic control zone, while minimizing confusion and disruption to traffic flow, shall have priority over all other Contractor activities. Continued failure of the Contractor to comply with the requirements of Section 150 (TRAFFIC CONTROL) will result in non-refundable deductions of monies from the Contract as shown in this Subsection for non-performance of Work.

Failure of the Contractor to comply with this Specification shall be reason for the Engineer suspending all other work on the Project, except erosion control and traffic control, taking corrective action as specified in Subsection 105.15, and/or withholding payment of monies due to the Contractor for any work on the Project until traffic control deficiencies are corrected. These other actions shall be in addition to the deductions for non-performance of traffic control.

SCHEDULE OF DEDUCTIONS FOR EACH CALENDAR DAY OF DEFICIENCIES OF TRAFFIC CONTROL INSTALLATION AND/OR MAINTENANCE		
ORIGINAL TOTAL CONTRACT AMOUNT		
From More Than	To and Including	Daily Charge
$0	$100,000	$200
$100,000	$1,000,000	$500
$1,000,000	$5,000,000	$1,000
$5,000,000	$20,000,000	$1,500
$20,000,000	$40,000,000	$2,000
$40,000,000	$----------	$3,000

150.09 MEASUREMENT

A. TRAFFIC CONTROL

When listed as a pay item in the Proposal, payment will be made at the Lump Sum price bid, which will include all traffic control not paid for separately, and will be paid as follows:

When the first Construction Report is submitted, a payment of 25 (twenty-five) percent of the Lump Sum price will be made. For each progress payment thereafter, the total of the Project percent complete shown on the last pay statement plus 25 (twenty-five) percent will be paid (less previous payments), not to exceed one hundred (100) percent.

When no payment item for *Traffic Control-Lump Sum* is shown in the Proposal, all of the requirements of Section 150 and the Temporary Traffic Control Plan shall be in full force and effect. The cost of complying with these requirements will not be paid for separately, but shall be included in the overall bid submittal.

B. SIGNS

When shown as a pay item in the contract, interim special guide signs will be paid for as listed below. All other regulatory, warning, and guide signs, as required by the Contract, will be paid for under Traffic Control Lump Sum or included in the overall bid submitted.

1. Interim ground mounted or interim overhead special guide signs will be measured for payment by the square foot. This payment shall be full compensation for furnishing the signs, including supports as required, erecting,

illuminating overhead signs, maintaining, removing, re-erecting, and final removal from the Project. Payment will be made only one time regardless of the number of moves required.

2. Remove and reset existing special guide signs, ground mount or overhead, complete, in place, will be measured for payment per each. Payment will be made only one time regardless of the number of moves required.

3. Modify special guide signs, ground mount or overhead, will be measured for payment by the square foot. The area measured shall include only that portion of the sign modified. Payment shall include materials, removal from posts or supports when necessary, and remounting as required.

C. TEMPORARY BARRIER

Temporary Barrier shall be measured as specified in Section 622.

D. CHANGEABLE MESSAGE SIGN, PORTABLE

Changeable Message Sign, Portable will be measured as specified in Section 632.

E. TEMPORARY GUARDRAIL ANCHORAGE, Type 12

Temporary Guardrail Anchorage- Type 12 will be measured by each assembly, complete in place and accepted according to the details shown in the plans, which shall also include the additional guardrail and appurtenances necessary for transition and connection to Temporary Concrete Barrier. Payment shall include all necessary materials, equipment, labor, site preparation, maintenance and removal.

F. TRAFFIC SIGNAL INSTALLATION- TEMPORARY

Traffic Signal Installation- Temporary will be measured as specified in Section 647.

G. FLASHING BEACON ASSEMBLY

Flashing Beacon Assemblies will be measured as specified in Section 647.

H. PORTABLE IMPACT ATTENUATORS

Each Portable Impact Attenuator will be measured by the unit/array which shall include all material components, hardware, incidentals, labor, site preparation, and maintenance, including spare parts recommended by the manufacturer for repairing accident damage. Each unit will be measured only once regardless of the number of locations installed, moves required, or number of repairs necessary because of traffic damage. Upon completion of the project, the units shall be removed and retained by the Contractor.

I. PAVEMENT MARKINGS

Pavement markings will be measured as specified in Section 150.

J. TEMPORARY WALKWAYS WITH DETECTABLE EDGING

Temporary walkways with detectable edging will be measured in linear feet (meters), complete in place and accepted, which shall include all necessary materials, equipment, labor, site preparation, temporary pipes, passing spaces, maintenance and removal. Excavation and backfill are not measured separately for payment. No payment will be made for temporary walkways where existing pavements or existing edging (that meets the requirements of MUTCD) are utilized for the temporary walkway. Payment for temporary detectable edging, including approved barriers and channelizing devices, installed on existing pavement shall be included in Traffic Control-Lump Sum.

K. TEMPORARY CURB CUT WHEELCHAIR RAMPS

Temporary curb cut wheelchair ramps are measured as the actual number formed and poured, complete and accepted, which shall include all necessary materials, equipment, labor, site preparation, maintenance and removal. No additional payment will be made for sawing existing sidewalk and removal and disposal of removed material for temporary wheelchair ramp construction. No additional payment will be made for constructing the detectable warning surface.

L. TEMPORARY AUDIBLE INFORMATION DEVICE

Temporary audible information devices are measured as the actual number furnished and installed in accordance with the manufacturer's recommendations, which shall include all necessary materials, equipment, labor, site preparation, maintenance and removal. Each temporary audible information device will be paid for only one time regardless of the number of times it's reused during the duration of The Work. These devices shall remain the property of the Contractor.

150.10 PAYMENT:

When shown in the Schedule of Items in the Proposal, the following items will be paid for separately.

Item No. 150. Traffic Control	Lump Sum
Item No. 150. Traffic Control, Solid Traffic Stripe _ Inch, (Color).....	per Linear Mile
Item No. 150. Traffic Control, Skip Traffic Stripe _ Inch, (Color)	per Linear mile
Item No. 150. Traffic Control, Solid Traffic Stripe, Thermoplastic ____ Inch, (Color)	per Linear Mile
Item No. 150. Traffic Control, Skip Traffic Stripe, Thermoplastic _____ Inch, (Color)	per Linear Mile
Item No. 150. Traffic Control, Pavement Arrow with Raised Reflectors	per Each
Item No. 150. Traffic Control, Raised Pavement Markers-All Types.	per Each

Item No. 150. Interim Ground Mounted Special Guide Signs ……..	per Square Foot
Item No. 150. Interim Overhead Special Guide Signs ……..	per Square Foot
Item No. 150. Remove & Reset Existing Special Guide Signs, Ground Mount, Complete in Place ……	per Each
Item No. 150. Remove & Reset, Existing Special Guide Signs, Overhead, Complete in Place ……..	per Each
Item No. 150. Traffic Control, Portable Impact Attenuator……	per Each
Item No. 150. Traffic Control, Pavement Markers, Words and Symbols ……	per Square Foot
Item No. 150. Traffic Control, Pavement Arrow (Painted) with Raised Reflectors ……	per Each
Item No. 150. Traffic Control, Workzone Law Enforcement……..	per Hour
Item No. 150. Modify Special Guide Sign, Ground Mount……..	per Square Foot
Item No. 150. Modify Special Guide Sign, Overhead……	per Square Foot
Item No. 150. Temporary Walkways With Detectable Edging……	per Linear foot
Item No. 150. Temporary Curb Cut Wheelchair Ramps……..	per Each
Item No. 150. Temporary Audible Information Device……..	per Each
Item No. 620. Temporary Barrier……..	per Linear Foot
Item No. 632. Changeable Message Sign, Portable ……..	per Each
Item No. 641. Temporary Guardrail Anchorage, Type 12 ……	per Each
Item No. 647. Traffic Signal Installation, Temp ……	Lump Sum
Item No. 647. Flashing Beacon Assembly, Structure Mounted …..	per Each
Item No. 647. Flashing Beacon Assembly, Cable Supported ……..	per Each

Revised: July 30, 2018

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL PROVISION

Section 167—Water Quality Monitoring

Delete Section 167 and substitute the following:

167.1 General Description

This Specification establishes the Contractor's responsibility to meet the requirements of the current National Pollutant Discharge Elimination System (NPDES) Infrastructure Permit No. GAR100002 as it pertains to Part IV. Erosion, Sedimentation and Pollution Control Plan. In the case of differing requirements between this specification and the Permit, whichever is the more stringent requirement shall be adhered to.

167.1.01 Definitions

Certified Personnel— certified personnel are defined as persons who have successfully completed the appropriate certification course approved by the Georgia Soil and Water Conservation Commission. For Department projects the certified person must also have successfully completed the Department's Worksite Erosion Control Supervisor (WECS) certification course.

Water Quality Sampling – as used within this specification, the term "sampling" shall be inclusive of the acts of detecting, noting, discerning, monitoring, etc. for the purpose of gauging compliance with the NPDES General Permit GAR100002.

Qualifying Rainfall Sampling Event—as used within this specification, means that which is defined in the NPDES General Permit GAR100002, Part IV.D.6.d(3).

167.1.02 Related References

A. Standard Specifications

Section 161—Control of Soil Erosion and Sedimentation

B. Referenced Documents

NPDES Infrastructure Permit No. GAR100002

GDOT WECS seminar.

Environmental Protection Divisions Rules and Regulations (Chapter 391-3-7)

Georgia Soil and Water Conservation Commission Certification Level IA course

OCGA 12-7-1

Erosion, Sedimentation and Pollution Control Plan (ESPCP)

167.1.03 Submittals

General Provisions 101 through 150

167.2 Materials

General Provisions 101 through 150.

167.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

167.3 Construction Requirements

167.3.01 Personnel

Use GASWCC Level IA certified and WECS certified personnel to perform all monitoring, sampling, inspections, and rainfall data collection.

Use the Contractor-designated WECS or select a prequalified consultant from the Qualified Consultant List (QCL) to perform water quality monitoring, sampling, inspections, and rainfall data collection.

The Contractor is responsible for having a copy of the current GAR100002 Permit onsite at all times.

167.3.02 Equipment

Provide equipment necessary to complete the Work or as directed by the Engineer.

167.3.03 Preparation

General Provisions 101 through 150.

167.3.04 Fabrication

General Provisions 101 through 150.

167.3.05 Construction

A. General

Perform inspections, rainfall data collection, testing of samples, and reporting the test results on the project according to the requirements in Part IV of the NPDES Infrastructure Permit and this Specification. Take samples manually or use automatic samplers, according to the GAR100002 permit. Note that the GAR100002 permit requires the use of manual sampling or rising stage sampling for qualifying events that occur after the first instance of the automatic sampler not being activated during a qualifying event. Analyze all samples according to the Permit, regardless of the method used to collect the samples. If samples are analyzed in the field using portable turbidimeters, the monitoring results shall state they are being used and a digital readout of NTUs is what is provided. Submit bench sheets, work sheets, etc., when using portable turbidimeters. There are no exceptions to this requirement. Perform required inspections and submit all reports required by this Specification within the time frames specified. Failure to perform the inspections within the time specified will result in the cessation of all construction activities with the exception of traffic control and erosion control. Failure to submit the required reports within the times specified will result in non-refundable deductions as specified in Subsection 161.5.01.B.

B. Water Quality Inspections

The Department will provide one copy of the required inspection forms for use and duplication. Inspection forms may change during the contract to reflect regulatory agency needs or the need of the Department. Any costs associated with the change of inspection forms shall be considered incidental. Alternate formats of the provided forms may be created, used and submitted by the Contractor provided the required content and/or data fields and verbatim certification statements from the Department's current forms are included.

The Engineer shall inspect the installation and condition of each erosion control device required by the erosion control plan within seven days after initial installation. This inspection is performed for each stage of construction when new devices are installed. The WECS shall ensure all installation deficiencies reported by the Engineer are corrected within two business days.

Ensure the inspections of the areas listed below are conducted by certified personnel and at the frequencies listed. Document all inspections on the appropriate form provided by the Department.

1. Daily (when any work is occurring):
    a. Petroleum product storage, usage and handling areas for spills or leaks from vehicles or equipment.
    b. All locations where vehicles enter/exit the site for evidence of off-site sediment tracking.

Continue these inspections until a Notice of Termination (NOT) is submitted.and use the daily inspection forms.

2. Weekly and after Rainfall Events:

   Conduct inspections on these areas every seven calendar days and within twenty-four hours after the end of a rainfall event that is 0.5 in (13 mm) or greater (unless such storm ends after 5:00 PM on any Friday or any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first):

   a. Disturbed areas not permanently stabilized
   b. Material storage areas that are exposed to precipitation or stormwater and poses a risk to discharging pollutants
   c. Structural control measures, Best Management Practices (BMPs) to ensure they are operating correctly
   d. Water quality sampling locations and equipment
   e. Discharge locations or points, e.g., outfalls and drainage structures that are accessible to determine if erosion control measures are effective in preventing significant impacts to receiving waters

   Continue these inspections until all temporary BMPs are removed and a NOT is submitted and use the EC-1 Form.

3. Monthly:

   Once per month, inspect all areas where final stabilization has been completed. Look for evidence of sediments or pollutants entering the drainage system and or receiving waters. Inspect all permanent erosion control devices remaining in place to verify the maintenance status and that the devices are functioning properly. Inspect discharge locations or points, e.g. outfalls, drainage structures, that are accessible to determine if erosion control measures are effective in preventing significant impacts to receiving waters.

   Continue these inspections until the Notice of Termination is submitted and use the monthly inspection form.

C. Water Quality Sampling

When the sampling location is a receiving water, the upstream and downstream samples are taken for comparison of NTU values. When the sampling location is an outfall, a single sample is taken to be analyzed for its absolute NTU value.

D. Reports

1. Inspection Reports:

   Summarize the results of inspections noted above in writing on the appropriate Daily, Weekly, Monthly, or EC-1form provided by the Department and includes the following information:

   - Date(s) of inspection
   - Name of certified personnel performing inspection
   - Construction phase
   - Status of devices
   - Observations
   - Action taken in accordance with Part IV.D.4.a.(5) of the GAR100002 Permit
   - Signature of personnel performing the inspection
   - Any instance of non-compliance

   When the report does not identify any non-compliance instances, the inspection report shall contain a statement that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. (See the EC-1 form.)

   The reports shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction project that has been phased has undergone final stabilization and a Notice of Termination is submitted to the Georgia Department of Natural Resources

Environmental Protection Division (GAEPD). Such reports shall be readily available by the end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. The inspection form certification sheet shall be signed by the project WECS and the inspector performing inspections on behalf of the WECS (if not the same person). Submit all inspection reports to the Engineer within twenty-four hours of the inspection. The Engineer will review the submitted reports to determine their accuracy. The Engineer will notify the certified personnel of any additional items that should be added to the inspection report.

Complete any items listed in the inspection report requiring routine maintenance within seventy–two (72) hours of notification or immediately during perimeter BMP failure emergencies. Deficiencies that interfere with traffic flow, safety, or downstream turbidity shall have immediate reasonable steps taken to address the deficiencies.

BMPs that have failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State shall have immediate reasonable steps taken to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. If the correction requires a new or replacement BMP or significant repair, the correction must be completed and operational within seven (7) days from the time of discovery. If seven (7) days is infeasible, document why the timeframe is infeasible and coordinate with the Engineer to schedule the correction as soon as feasible after the seven (7) day timeframe. The Department must be in agreement with the infeasibility.

Assume responsibility for all costs associated with additional sampling as specified in Part IV.D.6.d.3.(c) of the NPDES GAR100002 Permit if either of these conditions arise:

- BMPs shown in the Plans are not properly installed and maintained, or
- BMPs designed by the Contractor are not properly designed, installed and maintained.

2. Sampling Reports
    a. All sampling shall be performed in accordance with the requirements of the GAR100002 Permit for the locations identified in the ESPCP approved by the Department.
    b. Report Requirements

    Include in all reports, the following certification statement, signed by the WECS or consultant providing sampling on the project:

    > "I certify under penalty of law that this report and all attachments were prepared under my direct supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

    When a rainfall event requires a sample to be taken, submit a report of the sampling results to the Engineer within seven working days of the date the sample was obtained. Include the following information in each report:

    1) Date and time of sampling
    2) Name of certified person(s) who performed the sampling and analyses.
    3) Date the analyses were performed
    4) Time the analyses were initiated
    5) Rainfall amount on the sampling date (sampling date only)

6) References and written procedures, when available, for the analytical techniques or methods used
7) Whether the samples were taken by automatic sampler, rising-stage sampler, or manually (grab sample)
8) The NTU of each sample, the results of the analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine the results
9) Location where each sample was taken (station number and left or right offset)
10) Identification of whether a sample is a receiving-water sample or an outfall sample
11) Project number and county
12) A clear note if a sample exceeds 1000 NTUs by writing "exceeds 1000 NTUs" prominently upon the report

c. Report Requirements with No Qualifying Rainfall Events

In the event a qualifying rainfall event does not produce a discharge to sample, or sampling is "impossible", as defined in the GAR1000002 Permit, a written justification must be included in the report as required at Part IV.D.4.a.(6) of the GAR100002 Permit.

d. Sampling Results

Provide sampling results to the Project Engineer within 48 hours of the samples being analyzed. This notification may be verbal or written. This notification does not replace the requirement to submit the formal summary to the Engineer within 7 working days of the samples being collected. The Engineer will ensure submission of the sampling report to GAEPD by the 15th of the month following the sampling results as per the GAR100002 Permit. The WECS will be held accountable for delayed delivery to the Department which results in late submissions to GAEPD resulting in enforcement actions.

3. Rainfall Data Reports:

Record the measurement of rainfall within disturbed areas that have not met final stabilization once each twenty-four hour period, except for non-working Saturdays, non-working Sundays and non-working Federal Holidays until a Notice of Termination is submitted. Project rain gauges and those used to trigger the automatic samplers are to be emptied after every rainfall event. This will prevent a cumulative effect and prevent automatic samplers from taking samples even though the rainfall event is not a qualifying event. The daily rainfall data supplied by the WECS to the Engineer will be the official rainfall data for the project for compliance with the permit.

167.3.06 Quality Acceptance

General Provisions 101 through 150.

167.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

167.4 Measurement

Water Quality Inspections in accordance with the inspection and reports sub-sections will be measured for payment by the month up to the time the Contract Time expires. Required inspections and reports after Contract Time has expired will not be measured for payment unless a time extension is granted.

Water Quality Sampling is measured per each. "Each" means each qualifying rainfall sampling event, not each sampled site.

167.4.01 Limits

General Provisions 101 through 150. Submit the monitoring summary report to the Engineer within 7 working days

167.5 Payment

Payment for Water Quality Inspections and Water Quality Sampling will be made as follows:

Water Quality Inspections will be paid at the Contract Price per month. This is full compensation for performing the requirements of the inspection section of the NPDES Permit and this Specification, any and all necessary

incidentals, and providing results of inspections to the Engineer, within the time frame required by the NPDES Infrastructure Permit, and this Specification.

Water Quality Monitoring and Sampling per each qualifying rainfall sampling event is full compensation for meeting the requirements of the monitoring sections of the NPDES Permit and this Specification, obtaining samples, analyzing samples, any and all necessary incidentals, and providing results of turbidity tests to the Engineer, within the time frame required by the NPDES Infrastructure Permit, and this Specification. This item is based on the rainfall events requiring sampling as described in Part IV.D.6 of the Permit. The Department will not pay for samples taken and analyzed for rainfall events that are not qualifying events as compared to the daily rainfall data supplied by the WECS.

Payment will be made under:

Item No. 167	Water quality inspections	Per month

Water Quality Monitoring and Sampling will be paid per each qualifying rainfall sampling event.

Payment will be made under:

Item No. 167	Water quality monitoring and sampling	Per each

167.5.01 Adjustments

General Provisions 101 through 150.

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

SPECIAL PROVISION

Section 900 – BRICK PAVERS

900.1 General Description

This work includes placing brick pavers at locations designated on the Plans or as directed

This work includes subgrade preparations including:

- Grading, backfilling, placing, and finishing base as shown on the Plans.

900.1.1 Definitions

General Provisions 101 through 150.

900.1.2 Related References

A. Standard Specifications

Section 209—Subgrade Construction

Section 402–Hot Mix Recycled Asphaltic Concrete

Section 430—Portland Cement Concrete Pavement

B. Referenced Documents

General Provisions 101 through 150.

900.1.3 Submittals

General Provisions 101 through 150.

A. Product Data: Submit manufacturer's technical data for each type of paver along with installation instructions.

B. Samples: Submit samples of each type of brick paver for approval by the Engineer. Also submit samples of setting bed course materials and joint mortar. Include enough samples to show the full range of exposed color and texture to be expected in the completed work.

C. Attic Stock: Provide a 5% quantity of each paver as the Engineer's attic stock. Store in designated area(s) on oak pallets, protected with ¼-in plywood and banded with metal straps. Provide list with quantities of each type of paver stored.

D. Warranty: Submit manufacturer's warranty cosigned by Contractor which includes all labor and materials to replace all cracked or chipped pavers and reset any pavers settled or heaved out of plane within two years of substantial completion.

900.2 Materials

Use concrete that conforms to the minimum requirements for Class "AAA," as specified in Section 500, except that a one-bag mixer may be used. The requirements of Subsection 500.1.03.G, "Cold Weather Concrete Curing and Protection Plan" and Subsection 500.3.05.X, "Pour Concrete in Cold Weather" for cold weather concrete placement are deleted.

Place miscellaneous concrete only when the air temperature is 40 °F and rising. Protect concrete from freezing for the first 24 hours. Hand finishing is allowed.

A. Cold Weather Protection: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen subgrade or setting beds. Remove and replace brick paver work damaged by frost or freezing.

B. Weather Limitations: Protect brick paver work against freezing when atmospheric temperature is 40º F. and falling. Heat materials and provide temporary protection of completed portions of brick paver work. Comply with International Masonry All-Weather Council's "Guide Specification for Cold-Weather Masonry Construction."

C. Hot Weather Requirements: Protect brick paver work in hot weather to prevent excessive evaporation of mortar, if applicable. Provide artificial shade, wind breaks and use cooled materials, as required above.

Other materials and their Specifications are as follows:

A. Pavers: to be indicated, and made from normal weight aggregate, unless otherwise indicated. Pavers to comply with following ASTM C170-90 testing: 4,000 psi compressive strength average (dry test). Pavers to comply with the following ASTM C97-90 testing: 155 lbs./cu.ft. density, and less than 5% water absorption per 24-hour period.

1. Vehicular brick pavers at drive aprons and crosswalks are to be Whitacre Greer brick pavers, classic series, bevel edge, color Emory blend, 2 ¾-in thick, vehicular grade, herringbone pattern.
2. Brick pavers at pedestrian area are to be Whitacre Greer brick pavers, classic series, bevel edge, color Emory blend, 2 ¼-in thick, herringbone or running bond pattern see plans for information.

B. Concrete: Concrete sub-slab to be type "AAA" High Early Strength (HES) (5000psi) under the brick pavers.

C. Bituminous Setting Bed

1. Used for the vehicular brick pavers at drive aprons and crosswalks.

    a) Primer for Base: ASTM D 2028, cutback asphalt, grade as recommended by unit paver manufacturer.
    b) Fine Aggregate for Setting Bed: ASTM D 1073, No. 2 or No. 3.
    c) Asphalt Cement: ASTM D 3381, Viscosity Grade AC-10 or Grade AC-20.
    d) Neoprene-Modified Asphalt Adhesive: Paving manufacturer's standard adhesive consisting of oxidized asphalt combined with 2 percent neoprene and 10 percent long-fibered mineral fibers containing no asbestos.

e) Sand for Joints: Fine, sharp, washed, natural sand or crushed stone with 100 percent passing No. 16 (1.18-mm) sieve and no more than 10 percent passing No. 200 (0.075-mm) sieve.
   (i) Retain subparagraph below if a particular color is required.
   (ii) Provide sand of color needed to produce required joint color.

D. Aggregate Setting Bed:

1. Sand for Leveling Course: Sound, sharp, washed, natural sand or crushed stone complying with gradation requirements in ASTM C 33 for fine aggregate.

2. Sand for Joints: Fine, sharp, washed, natural sand or crushed stone with 100 percent passing No. 16 (1.18-mm) sieve and no more than 10 percent passing No. 200 (0.075-mm) sieve.

   a) Provide sand of color needed to produce required joint color.
   b) For concrete pavers at vehicular area, use 'Technical-seal" polysand joint stabilizing sand or Approved Equal.

3. Separation Geotextile: Woven geotextile fabric, manufactured for separation applications; made from polyolefins or polyesters, with elongation less than 50 percent; complying with AASHTO M 288 and the following, measured per test methods referenced:

   a) Survivability: Class 2; AASHTO M 288.
   b) Apparent Opening Size: No. 60 (0.250-mm) sieve, maximum; ASTM D 4751.
   c) Permittivity: 0.02 per second, minimum; ASTM D 4491.
   d) UV stability: 50 percent after 500 hours' exposure; ASTM D 4355.

4. Drainage Geotextile: Nonwoven needle-punched geotextile, manufactured for subsurface drainage applications, made from polyolefins or polyesters; with elongation greater than 50 percent; complying with AASHTO M 288 and the following, measured per test methods referenced:

   a) Survivability is the rating of a geotextile's ability to withstand installation stresses and is divided into three classes by AASHTO M 288. Class 2 is the default class recommended by AASHTO M 288 for subsurface drainage applications. Revise to Class 1 if higher strength is required or Class 3 if lower strength is permitted.
   b) Survivability: Class 2; AASHTO M 288.
   c) Apparent Opening Size: No. 60 (0.250-mm) sieve, maximum; ASTM D 4751.
   d) Permittivity: 0.02 per second, minimum; ASTM D 4491.
   e) UV stability: 50 percent after 500 hours' exposure; ASTM D 4355.

5. Herbicide: Commercial chemical for weed control, registered with the EPA. Provide in granular, liquid, or wettable powder form.

E. Mortar Setting Bed:

1. Vehicular Areas: Latex-Modified Portland Cement Setting Bed Mortar: Proportion and mix portland cement, aggregate, and latex additive for setting bed to comply with direction of latex additive manufacturer and as necessary to produce stiff mixture with a moist surface when bed is ready to receive pavers.

2. Filler: ASTM C33, clean washed fine aggregate concrete sand. This is commonly known as manufactured concrete sand or granite dust. Mason sand is not acceptable.

3. Mortar Joints: Latex-modified portland cement grout.

F. Water: Clean, potable, and free of materials detrimental to strength or bond or mortars.

900.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

Protect brick pavers and aggregate during storage and construction against wetting by rain, snow or groundwater and against soilage of contamination from earth or other types of materials.

900.3 Construction Requirements

900.3.1 Personnel

General Provisions 101 through 150.

Installer Qualifications: Engage an experienced Installer who has successfully completed at least three years of brick paver installations similar in material, design and extent to that indicated for this project.

900.3.2 Equipment

A. Forms - Forms are subject to the Engineer's approval. Use forms that are:

1. Wood or metal that is readily available
2. Straight and oiled before each use
3. Use metal divider plates and templates.
4. Use the slip form placement method when applicable. If the slip form method does not produce a product with the proper quality, shape, grade, or alignment, the Engineer may require using fixed forms.

B. Weep Holes - Provide weep hole drain pockets filled with coarse aggregate to use with weep hole drain pipe or formed openings according to the Plan details.

900.3.3 Preparation

Prior to installation of brick pavers, erect a 5-ft x 5-ft mock-up(s) for each type of brick paver. Build mock-up(s) using materials and base construction, including special features for expansion joints and contiguous work. Provide range of color, texture, and workmanship to be expected in the completed work. Obtain Engineer's acceptance of usual qualities of mock-up during construction as a standard for judging completed brick pavers work. Do not move or destroy mock-up until work is completed.

Before placing the concrete; grade, finish, and compact the subgrade surface. Use mechanical tamps for compaction if necessary.

Also:

A. Vacuum concrete or stone substrates to remove dirt, dust, debris, and loose particles.

B. Proof roll prepared subgrade surface to check for unstable areas and areas requiring additional compaction. Do not proceed with installation of brick pavers until deficient subgrades have been corrected and are ready to receive subbase for brick pavers.

900.3.4 Fabrication

General Provisions 101 through 150.

900.3.5 Construction

A. Extent and Thickness of Pavement

1. See the Plans to determine the areas to be paved and the dimensions.
2. Pavers: See 900.2 A for product information. All pavers are to be of type described in Plans and set in pattern described on Plans.

B. Preparation of Subgrade

Finish the subgrade for brick pavers to the line and grade on the Plans and the following:

Compact the subgrade to the same degree as the roadway on which it is placed. Compact the subgrade according to Section 209.

C. Concrete

1. Mixing - Mix Class "AAA" concrete as specified in Section 500 with the following exceptions:
   a) Use of small capacity job-site batchers and one-bag mixers is allowed. The rate of concrete placement in Subsection 500.3.05.P, "Meet the Minimum Placement Rates" is waived for miscellaneous concrete.
   b) Proportion concrete ingredients volumetrically if the Engineer has approved equipment calibration and operation and the operator is certified by the Office of Materials and Research.

2. Placing and Finishing - Place and finish concrete as follows:
   a) Deposit concrete within forms or against other pavements on a compacted and wetted subgrade to the depth to produce the specified thickness.

NOTE: Do not place concrete on a muddy or frozen surface.

   b) Strike off the concrete to a plane surface and finish it with a Type IV or Type V finish as defined in Subsection 500.3.05.AB, "Finish Concrete" and complete the following:

3. Joints - Make expansion joints according to the materials, dimensions, and locations specified on the Plans.
4. Curing - Use curing methods specified in Subsection 430.3.05.L, "Cure the Concrete." Ensure that the membrane curing compound is Type 2, if used. Pack honeycombed areas immediately after removing the forms.

D. Backfilling

Backfill the areas as soon as possible without damaging the work.

E. Clean-Up

When brick pavers work is complete, clean surface. Protect the work from stains or other damage until Final Acceptance.

F. Additional Construction Requirements:

1. Do not use brick pavers with chips, cracks, voids, discolorations, and other defects that might be visible or cause staining in finished work.

2. Cut brick pavers with motor-driven, diamond blade wet masonry saw equipment to provide clean, sharp, unchipped edges. Cut brick to provide pattern indicated and to fit adjoining work neatly. Use full bricks without cutting where possible. Hammer cutting is not acceptable.
3. Tolerances: Do not exceed 1/32-in brick-to-concrete offset from plush (lippage) and a tolerance of 1/8-in in 10-ft from level of slope as indicated for finished surface of paving.
4. Spread mortar beds evenly over concrete sub-base. Thickness of the finished setting bed shall be no more than 1-in. The bed thickness shall be adjusted so that when the pavers are placed, the top surface of the pavers will be at the required finished grade.
5. Pavers with sand-filled joints

    a) Set brick pavers in the approved pattern with a hand-tight joint width (joint width is a maximum of 1/8-in), being careful not to disturb the setting bed. Use string lines to keep straight paver corner lines. Fill gaps between concrete with pieces cut to fit from full-size brick pavers.
    b) Spread dry joint aggregate concrete sand and fill joints immediately after vibrating pavers into levelling course. Spread joint aggregate and vibrate aggregate until joints are completely filled, then remove excess. Leave a slight surplus of sand on the surface for joint filling. Repeat joint-filling process thiry (30) days later.

6. Pavers with mortar joints

    Apply mortar setting bed over cement paste slush coat over concrete sub-base. Place pavers with 3/8-inch joints, filled with latex-modified Portland cement grout. Use string lines to keep straight paver corner lines. Clean all stains and tire marks off pavers and replace cracked or chipped pavers prior to final inspection.
7. Provide final protection and maintain conditions in a manner acceptable to Installer, which ensures brick pavers work being without staining, damage, or deterioration.
8. Vehicle construction traffic other than wheelbarrow shall not be allowed on completed paver installations until final completion.

900.3.6 Quality Acceptance

General Provisions 101 through 150.

900.3.7 Contractor Warranty and Maintenance

General Provisions 101 through 150.

900.4 Measurement

Unit Pavers

Brick pavers are measured in square feet of the specified thickness, complete in place and accepted. The length is the actual measured length along the surface. The width is the Plan width or as directed. Excavation, and backfill are not measured separately for payment.

900.4.01 Limits

General Provisions 101 through 150.

900.5 Payment

This Item, measured as specified above, will be paid for at the Brick Paver per square foot.

Payment will be made under:

Unit Pavers

Brick Pavers	Per square foot

900.5.01 Adjustments

General Provisions 101 through 150.

City of Alpharetta, Fulton County, Georgia

SPECIAL PROVISION

Project: Webb Bridge Rd Intersection Improvements - Maid Marion Close to Webb Bridge Park

Section 999 – Miscellaneous Construction

Section 999.1 General Description

Pay Item No. 999-9999 is intended for Miscellaneous Construction which may or may not be required on the project as directed/requested by the Engineer. Use of this item will be only as specifically authorized by the City of Alpharetta.

Every effort will be made to negotiate an acceptable price with the Contractor for miscellaneous construction. If the City of Alpharetta is unable to negotiate an agreeable price with the Contractor, Alpharetta reserves the right to negotiate both price and warranties with specialty contractors for this purpose. The Contractor will then be required to include the work authorized, utilizing the authorized specialty subcontractor. A maximum allowance of 5% may be included for overhead purposes of the prime contractor above the negotiated specialty contractor agreement.

Section 999.2 Payment

Payment for this item will be only for amounts authorized by the Engineer. Final Payment may or may not equal 100% of the Price included in the Contract.

Payment will be made under:

Item No. 999-9999 Miscellaneous Construction……..per dollar

CITY OF ALPHARETTA INVITATION TO BID (ITB)

ITB Number: **23-002**

ITB Title: **Webb Bridge Road Intersection Improvements - Maid Marion Close to Webb Bridge Park**

ITB Addendum Posting Date: **October 12, 2022**

ADDENDUM #1

TO ALL BIDDERS:

1. The information included in this addendum is made part of the ITB noted above and part of any contract that may be awarded as a result of response to this ITB.
2. The purpose of this addendum is to supply additional information or documents, or revised information or documents.
3. If a conflict between any previously provided information and the information contained in this addendum, the information contained in this addendum will prevail.
4. Bidders must acknowledge receipt of this addendum when submitting bid.
5. Remainder of this page intentionally blank. See addendum information beginning on the next page.

The invitation to bid documents are hereby modified in the following respects:

Addendum 1 documents posted online for Bidder use or review:

A. ITB 23-002 WBR Ph2a 02900 Landscaping-Add 1.pdf
B. ITB 23-002 WBR Ph2a Revised Plan Sheets-Add 1.pdf
C. ITB 23-002 WBR Ph2a Schedule of Items-Add 1.xlsx (this replaces the original SOI)

---

1. Changes to Information and Contract Draft document, General Terms and conditions, #2 Time for Completion & Liquidated Damages.

   This section is replaced with the following. The deleted text (seem below with strike through effect) is no longer part of this section or this ITB.

   > The Contractor shall commence performance of the Work with adequate force and equipment within ten (10) calendar days from receipt of Notice to Proceed or otherwise in the Contract or by Special Provision. The Contractor shall be required to continuously pursue the Work without interruption to completion, and to achieve Final Completion of the Work in five hundred forty (540) calendar days. "Substantial Completion" shall mean that stage in the progression of the Work in which same is sufficiently complete in accordance with the Contract such that the City can enjoy beneficial use and occupancy of the subject property or site and can utilize the improvements or renovations completed by the Work for their intended purpose. "Final Completion" shall mean the Work is complete in full accordance with this Contract and this Contract has been fully performed as determined by a final inspection of the City following the Contractor's request for same.
   >
   > Liquidated damages will apply per GDOT Standard Specifications for Construction of Transportation Systems, 2021, Section 108.08. ~~If the Contractor fails to achieve Substantial Completion and/or Final Completion by the dates set forth in the resulting contract, the Contractor shall be liable to the City for the sum of: $1,169.00 per day for each and every calendar day of unexcused delay in achieving Substantial Completion beyond the date set forth in the Contract; and $1,169.00 per day for each and every calendar day of unexcused delay in achieving Final Completion beyond the date set forth in the Contract, as applicable.~~ Any sums due and payable hereunder by the Contractor shall be payable, not as a penalty, but as liquidated damages representing a reasonable pre-estimate of delay damages likely to be sustained by the City for any such breach, as it is mutually agreed that any such actual and consequential damages incurred by the City for such breach would otherwise be difficult to ascertain.

2. The City has revised the landscape specifications for this project. Document ITB 23-002 WBR Ph2a 02900 Landscaping-Add 1.pdf has been posted for review and replaces in its entirety Section 02900 Landscaping, pages 1 – 16, originally provided in ITB 23-002 WBR Ph2a Specifications (1).pdf.

Bidder Questions with our City's Responses follow with Addendum #1 updates noted.

Q1 It appears that the 4" sidewalk quantity is significantly overstated for the portion of work included in this procurement. We only found around 16% of the quantity included in pay item 441-0104. Please confirm the quantity included in this item is correct.

a. Phase 2A Quantity for 4" Sidewalk should be 3328 SY. It has been updated in the Addendum #1 Schedule of items.

Q2 Is the key for the sidewalk turn-up and turn-down detail paid as item 500-3900 or is it incidental to the sidewalk pay item?

a. Quantities for the key in both the turn-up and turn-down walls is included in 500-3900.

Q3 Will the work required to transition the project at the respective limits be paid for by the unit price under respective items for flatwork, paving, etc. or should it be included in Grading Complete?

a. Quantities to transition back to existing conditions west of Maid Marion have not been calculated. Since this transition will likely be a field adjustment, it is recommended that the respective item quantities/costs be included in Grading Complete. Other transitions on Webb Bridge Way and Webb Bridge Rd are shown in the plans and included in quantities provided.

Q4 Will any temporary work necessary for the staged construction of the roundabout be paid for by the unit price under respective items for flatwork, paving, etc. or should it be included in Traffic Control?

a. It should be included in Traffic Control.

Q5 The plans show changing drainage structure EX-14A from a catch basin to a manhole. The existing curb is to remain in place in the location until the next phase of this project is constructed and will create a location that could pond water. Will it be the Contractor's responsibility to resolve the drainage issue this will create until the new work west of Station 185+81.33 is completed?

a. It is the Contractor's responsibility to maintain positive drainage for stormwater runoff, including through the transitions between existing and proposed conditions. EX-14A should remain a CB top until the project is extended to the west.

Q6 Typical Sections were not provided for Web Bridge Road / Way for station ranges 190+00.00 to 190+74.42, 191+98.00 to 193+58.95, and 70+45.79 to 73+37.25. Please provide typical sections for these portions of the project.

a. These sections have been added to sheet 05-0010, included in ITB 23-002 WBR Ph2a Revised Plan Sheets-Add 1 for this Addendum #1.

Q7 The begin project limits on the North side of Web Bridge Road 185+81.33 occurs in the middle of a proposed directional bore for the ITS conduit. Please provide the limits where the ITS work will begin for this project.

a. ITS work should begin at the pull box at approximate Sta. 186+15 LT.

Q8 The plans do not provide clear locations and details of where the lighting work will start and how it should be terminated for the future portion of the project excluded from the scope of this project. Please provide locations of where the lighting work should start for this project and how the conduit should be terminated for the future portion of the project.

a. End at Pole S179 on the North side and S170 on the South side. Run the conduit 5' west of these light poles and then cap it for future connection.

Q9 Should the landscaping be installed to the limits provided in items R and S of the Project Specific Requirements in the ITB?

a. Yes, and through the transition between existing and proposed conditions. Transitions between existing and proposed conditions shall be prepared by the contractor and must be approved by the inspector.

Q10 Has the City notified the Utility Owners of the relocations required on this project?

a. Yes.

Q11 Will a Utility Adjustment Schedule be provided so the bidders can accommodate the impact of the relocations in the schedule and productivity of the work?

a. No. Utility coordination shall be the responsibility of the Contractor. The Contractor shall not stop working to wait on a utility relocation if work can be done.

Q12 Incomplete Planset: Would you provide missing pages in the planset? All the work from Drg no 13-001 to 13-016 is missing & it applies to all related drawings for that work.

a. The referenced plan sheets in question have not been included with this ITB because this is not being constructed in this project. They have been left out for bid clarity. See Project Manual Section 3.

END ADDENDUM

CITY OF ALPHARETTA INVITATION TO BID (ITB)

ITB Number: 23-002

ITB Title: Webb Bridge Road Intersection Improvements - Maid Marion Close to Webb Bridge Park

ITB Addendum Posting Date: October 14, 2022

ADDENDUM #2

TO ALL BIDDERS:

1. The information included in this addendum is made part of the ITB noted above and part of any contract that may be awarded as a result of response to this ITB.
2. The purpose of this addendum is to supply additional information or documents, or revised information or documents.
3. If a conflict between any previously provided information and the information contained in this addendum, the information contained in this addendum will prevail.
4. Bidders must acknowledge receipt of this addendum when submitting bid.
5. Remainder of this page intentionally blank. See addendum information beginning on the next page.

The invitation to bid documents are hereby modified in the following respects:

Addendum 2 document posted online for Bidder use or review:

A. ITB 23-002 WBR Ph2a Schedule of Items-Add 2.xlsx *(this replaces all previous SOI)*

Bidder Questions with our City's Responses follow with Addendum #2 updates noted.

Q1 Should all quantities in the "roadway items" section remain rounded-up like in the original bid schedule or should the decimal numbers be taken into account?

a. Quantities in Schedule of Items released in ADD 2 are set to no more than 2 decimal places.

Items in the new section "traffic & its items"

Q2 Is the TP 5 PULL BOX item the same as the PULL BOX, PB-5 item in the "roadway items" section? if so, what is the correct quantity?

a. The ITS items are in addition to the "Roadway Items."

Q3 Is the CONDUIT, NONMETL, TP 3, 2 IN item the same as the item with the same name in the "roadway items" section? if so what is the correct quantity?

a. The ITS items are in addition to the "Roadway Items."

Q4 Is the DIRECTIONAL BORE, 5 IN item additional to all the items in the original bid schedule?

a. The ITS items are in addition to the "Roadway Items."

Q5 Quantities for items 402-3130 12.5mm asph concrete and 402-3196 25mm asph concrete are switched according to original bid schedule.

a. Refer to the Schedule of Items released in ADD 2 for quantities.

Q6 Quantities for concrete items 500-9999, 500-3201, 500-3600 and 500-3900 are mixed up according to original bid schedule

a. Refer to the Schedule of Items released in ADD 2 for revised quantities.

Q7 Quantities for items 999-9995, 643-8210, 682-2150, 682-6233 and 900-0039 are mixed up according to original bid schedule

a. Refer to the Schedule of Items released in ADD 2 for quantities.

Q8 Item 611-3000 has no quantity

a. Refer to the Schedule of Items released in ADD 2 for quantities.

Q9 Landscape mulch changed from 13000 sy to 45cy

a. Refer to the Schedule of Items released in ADD 2 for quantities.

END ADDENDUM

CITY OF ALPHARETTA INVITATION TO BID (ITB)

ITB Number: 23-002

ITB Title: Webb Bridge Road Intersection Improvements - Maid Marion Close to Webb Bridge Park

ITB Addendum Posting Date: October 21, 2022

ADDENDUM #3

TO ALL BIDDERS:

1. The information included in this addendum is made part of the ITB noted above and part of any contract that may be awarded as a result of response to this ITB.
2. The purpose of this addendum is to supply additional information or documents, or revised information or documents.
3. If a conflict between any previously provided information and the information contained in this addendum, the information contained in this addendum will prevail.
4. Bidders must acknowledge receipt of this addendum when submitting bid.
5. Remainder of this page intentionally left blank. See addendum information beginning on the next page.

The invitation to bid documents are hereby modified in the following respects:

Addendum 3 documents posted online for Bidder use or review:

A. ITB 23-002 WBR Ph2a Schedule of Items-Add 3.xlsx (this replaces previously posted Schedule of Items)

Bidder Questions with our City's Responses follow with Addendum #3 updates noted.

Q1 Can you share a photo for the facade that contractors need to match for the walls.

a. These would be expected to match the wall along Webb Bridge Way approximately 250-ft before the intersection of Webb Bridge Way & Kimball Bridge Road (picture below).



Q2 There are hydrants on the way to the new sidewalk, please clarify if hydrant relocation is responsibility of the contractor.

a. Any hydrant in conflict with sidewalk will be the responsibility of the contractor to relocate – pay items have been included in the bid schedule for this work.

Q3 Will the City of Alpharetta add an item for guardrail removal?

a. Guardrail removal should be included in Grading Complete. No separate pay item is needed.

Q4 Please clarify if clearing must go to r/w.

a. All clearing should only occur inside the limits of disturbance.

Q5 Where are irrigation, what is the responsibility from contractor?

a. Irrigation encountered by the contractor should be capped. Capping the irrigation should be included in grading complete. Pay Item 766-7020 has been added to the revised Schedule of Items as a LS fee of $10,000 to cover any irrigations systems that maybe within the ROW and needs to be reconstructed quickly. Please note that Pay Item 766-7020 can be used only at the city inspector's discretion.

Q6 Can you check the quantities for driveway 6 in.

a. This quantity has been removed from the revised schedule of items. We are using Valley gutter at the road and then the driveways are asphalt behind the sidewalk.

Q7 Can you check the quantities for driveway 8 in.

a. This quantity has been removed from the revised schedule of items. We are using Valley gutter at the road and then the driveways are asphalt behind the sidewalk.

Q8 Following bid schedule item #441-0754 concrete median 7 1/2in at which location it needs to be used?

a. See sheet 13-0018 and 29-0018. The concrete island and pedestrian walkways in splitter islands will be 7 ½" concrete median.

Q9 Is item 402-3196 on the updated bid schedule supposed to be the same as the GDOT 402-3190? If not, can you please clarify what the "mod superpave" specification requires?

a. 402-3190 is acceptable. Pay Item in Schedule of Items released in Addendum 3 is updated accordingly. Pay Item 402-3196 has been removed.

Q10 Looks like pull box and conduit nonmetl, tp 3, 2in items are twice into schedule of item, please check line 40 & 59, 41&60.

a. Pull boxes and conduit listed under roadway items are for future irrigation. See note 40 on sheet 04-0001.

END ADDENDUM

CITY OF ALPHARETTA INVITATION TO BID (ITB)

ITB Number: **23-002**

ITB Title: **Webb Br Rd Intersection Improvements- Maid Marion Close to Webb Br Park**

ITB Q&A Posting Date: October 4, 2022

QUESTIONS & ANSWERS, CLARIFICATIONS: #1

TO ALL Bidders:

1. We have included in this document the questions that we received from interested bidders, along with our answers to these questions.
2. This is NOT an Addendum. We have not made any changes to the ITB. It is simply for clarification purposes.
3. We will add this to the ITB documents as record of our Q&A.

Q1 I have a question regarding the Plan, I saw Series 13 plans starting from 13/0017 to 13/0027, but the Index shows 27 pages for the Construction Plan. But series 13/001 to 13/016 & 13/0025 to 13/0027 , pages are missing from the plan. Would you please clarify it for me and also clarify that this project starts from which station?

Q2 We have been reviewing the bid information for ITB #23-002 Webb Bridge Rd Intersection Improvements, and it appears that plan sheets 13-0001 to 13-0016 is missing from the documents that are provided. Is there any way that we can obtain these?

a. The referenced plan sheets in questions 1 & 2 have not been included with this ITB because this is not being constructed in this project. They have been left out for bid clarity. See Project Manual Section 3.

END

23-002 - Webb Br Rd Intersection Improvements- Maid Marion Close to Webb Br Park

Preliminary Bid Tabulation - Scoring Summary

Bids remain to be verified as of 10-27-2022, 11:15 AM [posting of this bid tab]

Active Submissions

Supplier	Total / 100 pts	B-1 - SOI / 100 pts
Sol Construction LLC	100	100 ($3,994,545.00)
Summit construction & development LLC	99.01	99.01 ($4,034,591.63)
CMC, Inc.	90.53	90.53 ($4,412,235.65)
CMES,INC	80.67	80.67 ($4,951,568.44)

EXHIBIT B

BID DOCUMENTS FROM CONTRACTOR

Sol Construction
safety service commitment

October 27, 2022

City of Alpharetta, GA

ITB 23-002, Webb Bridge Road Intersection Improvements

Sol Construction is pleased to present itself to be considered as a prospective contractor for the Webb Bridge Road Intersection Improvements. Sol specializes in public infrastructure including water, wastewater, and streetscape projects. Sol has the people, commitment, and technology to deliver expertise and direct experience in all disciplines anticipated for this project, and our team is highly proficient in construction of water pump stations. Our team offers fresh ideas, and our professionals have the skills required for fast-paced project execution. We are ready to help you to achieve your goals.

Sol Construction was formed in 2002 and started operations in 2006. Sol has a proven record of completing similar projects as designed and on schedule. We consistently provide great results for owners and engineers, as can be verified by the references provided. We are confident that our skills and experience will prove to be a great asset for the City of Alpharetta. We appreciate the opportunity to provide a proposal for the Webb Bridge Road Intersection Improvements.

Sincerely,

Juliana Gomez
President
Sol Construction LLC

Business Information

Sol Construction, LLC has operated under the current corporate name since the start of operations in 2006. Sol maintains one office at 4120 Presidential Parkway Ste 115, Atlanta GA 30340. The phone number is 770-455-1822, and the fax number is 800-996-0385. There are no other offices or subsidiaries.

The primary contact for this project will be Mrs. Juliana Gomez, President. Her mailing address is 4120 Presidential Pky Ste 115 Atlanta GA 30340. Her office phone number is 770-455-1822 and her cell phone number is 404-213-4264. Her email address is jgomez@solconstructionllc.com.

References

Sol Construction is pleased to offer the following references:

- **Richard Stokes, City of Marietta, GA**
  770-794-5709
  rstokes@mariettaga.gov
  205 Lawrence Street, Marietta, GA 30060

Recent Projects for the City of Marietta:

Manning Road Traffic Calming.	Contract Value: $106,464	Completed: May 2021
Kirkpatrick Dr Lane Addition.	Contract Value: $70,184.38	Completed: Apr 2020
Marietta Brick Median Noses.	Contract Value: $71,510	Completed: Mar 2020
Scufflegrit Sidewalks.	Contract Value: $55,323	Completed: Dec 2019
East Side Cole Street.	Contract Value: $71,342	Completed: Aug 2019

- **Joe Zachmann, Athens-Clarke County, GA**
  706-613-3465 ext 7826
  joe.zachmann@accgov.com
  P.O. Box 1868, Athens, Georgia 30603

Recent Projects for Athens-Clarke County:

Stormwater Improvements.- Pine Cone Place and Midway Road.		
	Contract Value: $318,316	Completed: Feb 2020
FY 17 Sidewalk Gap Project Phase 3	Contract Value: $1,331,247	Completed: Aug 2020

- **Sam Tamakloe, Fulton County, GA**
  404-613-3011
  sam.tamakloe@fultoncountyga.gov
  141 Pryor Street Suite 8022, Atlanta, Georgia 30303

Recent Projects for Fulton County:

2018 Fulton County Standby Misc Construction- Wastewater System Services		
	Contract Value: $ 4,157,815	Completed: Dec 2019
Chattahoochee III PS Upgrade	Contract Value: $ 2,087,000	Completed: Aug 2018
Great Southwest PS Modifications	Contract Value: $ 514,000	Completed: Feb 2018

Jobs in Progress

Job Name	Owner and Contact Info	Engineer and Contact Info	Current Contract Price	Estimated Completion Date	Description
Polk Street Ramp	City of Marietta, GA 205 Lawrence St NE Marietta, GA 30061 Richard Stokes Ph: (770) 794-5650	City of Marietta, GA 205 Lawrence St NE Marietta, GA 30061 Ph: (770) 794-5650	$ 47,700.	December 2022	Polk Street ADA ramp replacement
Chattahoochee Country Club	Chattahoochee Country Club Matthew Collins 3000 Club Dr Gainesville, GA 30506 770-536-4461	Civil Engineering Consultants 4994 Lower Roswell R Marietta, GA 30068 Chuck Butterfield 678-650-0732	$ 165,000.	March 2023	Supply and install duplex pumps, modify top of existing basin, new hatch, install 590 LF 2" FM.
Christian City Multi Use Trail	City of Union City, GA Sonja Fillingame, City Manager 5047 Union Street Union City, Georgia 30291-1497	Lowe Engineers 990 Hammond Dr Ste 900 Atlanta GA 30328 770-857-8400	$ 769,366.	December 2022	Demolition, tree removal, utilities coordination, drainage and curb modifications, and construction of a concrete multi-use path along Lester Road and Red Oak Road
Cumming PWPF Improvements Ph 1	Sub to N GA Pipeline City of Cumming, GA North GA Pipeline Sue Perry 770-630-0804 sperry@ngp-inc.com	Civil Engineering Consultants Andrew Lovejoy Professional Engineer Ph: 770-977-5767 andy@ cec.engineering	$ 861,900.	May 2023	Sub to North Georgia Concrete- Change out valves and a mixer
The Retreat at Caney Creek Pump Station	Deluxeton LLC (Private Owner) David Richter, VP 470-754-7915	CEC Andrew Lovejoy Professional Engineer Ph: 770-977-5767 andy@ cec.engineering	$ 645,000.	July 2023	Construction of new pump station and electrical building for development in Forsyth County, GA.
Standby Misc Construction	Fulton County, GA Sam Tamakloe 404-613-3011 sam.tamakloe @fultoncountyga.gov	NA	$ 6,507,180	December 2022	Provide all labor, equipment, and materials necessary for miscellaneous repairs and upgrades in existing sanitary sewer systems within Fulton County.

Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308
(404) 631-1000 Main Office

May 13, 2022

CERTIFICATE OF QUALIFICATION
Vendor ID: 2SO065

SOL Construction, LLC
4120 Presidential Pkwy
Atlanta, GA 30304

In accordance with The Rules and Regulations governing the Prequalification of Prospective Bidders, the Georgia Department of Transportation has assigned the following Rating. This Certificate of Qualification is effective on the date of issue stated above and cancels and supersedes all Certificates previously issued:

MAXIMUM CAPACITY RATING:	**$55,000,000.00**
CERTIFICATE EXPIRES:	**April 30, 2024**
PRIMARY WORK CLASS/CODE:	**500**
SECONDARY WORK CLASS(ES)/CODE(S):	**441, 500A, 660, 668 and 670**

The total amount of incomplete work, regardless of its location and with whom it is contracted, whether in progress or awarded but not yet begun, shall not exceed the Maximum Capacity Rating. If dissatisfied with the Rating, we direct you to the Appeals Procedures in §672-5-.08 (1) & (2) and §672-1-.05, Rules of the State Department of Transportation.

A Prequalified Contractor may request an extension of its current prequalification **prior** to the expiration date of the prequalification by providing the Department with the following information: the amount of time requested for the extension (either 30, 60 or 90 days), the reason for the extension request and the original expiration date of the prequalification. The Department in its discretion will determine whether the extension should be granted and will notify the Contractor of its determination.

Allowing approved prequalification to lapse will leave the Contractors without the ability to bid work until such time as the standing returns to an approved status. If you desire to apply at some intermediate period before the expiration date, your Rating will be reviewed based on the new application.

This Prequalification Certificate is issued for contractors to be eligible for work with the Georgia Department of Transportation (GDOT) only. GDOT does not certify contractors as eligible to do business with entities other than GDOT. *Work class codes are for reference only and do not represent a certification to be provided in support of contractor ability or NAICS code determinations. NAICS Codes are assigned by the office of Equal Employment Opportunity.*

Sincerely,

Marc Mastronardi, P.E.

Digitally signed by Marc Mastronardi, P.E.
DN: C=US, E=mmastronardi@dot.ga.gov, O=Georgia Department of Transportation, OU=Division of Construction - Director, CN="Marc Mastronardi, P.E."
Date: 2022.05.17 16:11:48-04'00'

Marc Mastronardi, P.E.
Chairman, Prequalification Committee/Contractors

MM:TKA

From: Jose Villegas
To: Westbrook, Debora
Cc: Juliana Gomez
Subject: RE: City of Alpharetta ITB 23-002 for Webb Br Rd Intersection Improvements- Maid Marion Close to Webb Br Park
Date: Wednesday, November 2, 2022 9:04:47 AM
Attachments: image001.png
image002.png
image004.png

[CAUTION: This email originated from outside the City. Do not click links or open attachments unless you recognize the sender and know the content is safe.]

Dear Ms. Westbrook,
Thanks for the opportunity. We are very excited about working with the City of Alpharetta again.

Below are some of the projects in which we have done similar work to the roundabout on Webb Bridge. Sol Construction has considerable experience in roadway improvements with traffic and other conditions similar to the work required by this project. Over the last 16 years, our company has completed many projects involving roadway and utility construction in busy corridors. We have had to provide significant traffic control for the construction of easeabouts, traffic calming measures, speed tables, medians, water main connections, sewer repairs and road widening projects. Additionally, we have local experience working within the City of Alpharetta on the recently completed Windward Parkway Improvements. We are very familiar with GDOT and MUTCD requirements for maintaining a safe construction site and keeping traffic flowing in a safe and efficient manner. We are very confident that we can do a great job for the City as we have done in the past for the City of Alpharetta and other municipalities around the Atlanta Metro Area.

PROJECT	SCOPE	OWNER	CONTACT
SPLOST 4 PEDESTRIAN ENHANCEMENTS TRAIL HEAD & ROWLAND STREET	Installation of 2 stamped- color concrete Easeabout at Rowland st & Wagoneer and Rowland st & Norman St	City of Clarkston	Lawrence Kaiser 404-909-5619 kaiser@co-infra-services.com
	Installation of 4 Concrete Traffic calming devices (chockers) along Rogers Street		
	Installation of 4 asphalt speed tables 3 at Roger Street and 1 at Rowland Street		
	Installation of 3 concrete median w/ pavers along Rowland Street		
F-1273-01 PEACHTREE INDUSTRIAL BOULEVARD	Installation of 1 Concrete Median exit and enter on Peachtree Industrial Boulevard	Gwinnett County	Terrence Eaddy 470-232-8524 terrence.eaddy@oneatlas.com
BRICK MEDIAN NOSES	Installation of 3 concrete- brick median noses at Roswell street@Cobb Parkway, Powder Springs Street@Chesnut Hill Rd and Powder Spring Street@Samdtown Rd	City of Marietta	Richard Stokes 770-794-5709 rstokes@mariettaga.gov
MANGET ST AT LAKEWOOD DR INTERSECTION IMPROVEMENTS	Installation of 3 Concrete- Brick crosswalk along Manget St	City of Marietta	Richard Stokes 770-794-5709 rstokes@mariettaga.gov

Please let me know if there are any questions. We look forward to working with you and your team.

Jose

Jose Villegas
Sol Construction
M: 404-259-4654 O: 770-455-1822
www.solconstructionllc.com

From: Juliana Gomez <jgomez@solconstructionllc.com>
Sent: Tuesday, November 1, 2022 10:17 AM
To: Westbrook, Debora <DWestbrook@alpharetta.ga.us>
Cc: Jose Villegas <jvillegas@solconstructionllc.com>
Subject: RE: City of Alpharetta ITB 23-002 for Webb Br Rd Intersection Improvements- Maid Marion Close to Webb Br Park

Good morning,

I will be out of the office for 2 weeks starting Thursday, November 3rd, 2022. I am copying Jose Villegas, Vice-president. He will provide the information you requested.

Thanks, and have a great day.

Juliana

Juliana Gomez
Sol Construction LLC
www.solconstructionllc.com
ph. 770-455-1822

From: Westbrook, Debora <DWestbrook@alpharetta.ga.us>
Sent: Tuesday, November 1, 2022 9:50 AM
To: Juliana Gomez <jgomez@solconstructionllc.com>
Subject: City of Alpharetta ITB 23-002 for Webb Br Rd Intersection Improvements- Maid Marion Close to Webb Br Park

Good morning Ms. Gomez,
Thank you and your team at Sol Construction for bidding this project last week. Since this project includes construction of a roundabout, our review team would like to know if you have any example projects that feature roundabout construction. For this particular inquiry, the 5-year limitation would not apply. Please email back to me as soon as you are able with any information that I may provide to our team. Thank you!

Debora Westbrook, CPPB
Office: 678-297-6050 Mobile: 470-559-0615
Online Bid Posting Site

City of Alpharetta
Finance Department
2 Park Plaza
Alpharetta, GA 30009

AFFIDAVIT VERIFYING CONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM (E-Verify)

The undersigned contractor ("Contractor") executes this Affidavit to comply with O.C.G.A § 13-10-91 related to any contract to which Contractor is a party that is subject to O.C.G.A. § 13-10-91 and hereby verifies its compliance with O.C.G.A. § 13-10-91, attesting as follows:

a) The Contractor has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program;

b) The Contractor will continue to use the federal work authorization program throughout the contract period, including any renewal or extension thereof;

c) The Contractor will notify the City of Alpharetta in the event the Contractor ceases to utilize the federal work authorization program during the contract period, including renewals or extensions thereof;

d) The Contractor understands that ceasing to utilize the federal work authorization program constitutes a material breach of Contract;

e) The Contractor will contract for the performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the Contractor with the information required by O.C.G.A. § 13-10-91(a), (b), and (c);

f) The Contractor acknowledges and agrees that this Affidavit shall be incorporated into any contract(s) subject to the provisions of O.C.G.A. § 13-10- 91 for the project listed below to which Contractor is a party after the date hereof without further action or consent by Contractor; and

g) The Contractor acknowledges its responsibility to submit copies of any affidavits, drivers' licenses, and identification cards required pursuant to O.C.G.A. § 13-10-91 to the City of Alpharetta within five business days of receipt.

178057
Federal Work Authorization User Identification Number

01/09/2009
Date of Authorization

Sol Construction LLC
Name of Contractor

23-002, Webb Br Rd Intersection Imp- Maid Marion Close to Webb Br Pk
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed date 10/25/2022 in Atlanta (city), GA (state).

Signature of Authorized Officer or Agent

Juliana Gomez, President
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE 25 DAY OF October, 2022.00.

NOTARY PUBLIC

My Commission Expires: 06/27/2026

Katherine Butterfield
NOTARY PUBLIC
Cobb County, GEORGIA

BIDDER'S DISCLOSURES AND CERTIFICATIONS

PROCUREMENT NUMBER & TITLE: 23-002, Webb Bridge Rd Intersection Improvements- Maid Marion Close to Webb Bridge Park

DISCLOSURE FORM AND CERTIFICATION OF NON-COLLUSION

Bidder must disclose any possible conflict of interest and/or any relationship that exists between any principal or employee of your corporation/firm/team/organization and with any City elected official and/or employee. Relationship may be financial, personal, or family or may be in the form of campaign contributions to elected officials. State whether Relationship DOES or DOES NOT exist. Failure to disclose or to submit this completed form may result in response being declared non-responsive and will not be considered further.

Check applicable box. Use additional forms if needed:	No known relationship exists ☒	Yes, Relationship does exist ☐	If this box checked, include the name and position of the City Official to whom a campaign contribution was made or official/employee relationship. Use a separate form for each official to whom a contribution has been made within the past two (2) years or for additional official/employee relationships.
City Elected Official and/or Employee Name and position			

Contributian Amount/Value (if any)		Contribution Date and Description	
List other Relationship if not contribution			

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS

The Contractor certifies to the best of its knowledge and belief that neither it nor any of its principals:

1. are presently debarred, suspended, proposed for debarment, or declared ineligible from submitting bids or proposals by any federal, state or local entity, department or agency;
2. have within a three-year period preceding this bid/offer, been convicted or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performance of a public (Federal, state or local) contract or subcontract; violation of Federal or state antitrust statues relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statement, tax evasion, or receiving stolen property;
3. are presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph 2 of this certification;
4. have within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal, state or local public agency.

By signing this form, I certify that:

- As an officer of this firm, or per the attached letter of authorization, I am duly authorized to certify the information provided herein is accurate and true; and my firm shall comply with all State and Federal Equal Opportunity and Non-Discrimination requirements and conditions of employment.
- That the firm's response is made without prior understanding, agreement, or connection with any corporation, firm, team, organization, or person submitting a response for the same materials, supplies, equipment, opportunity, or services and is in all respects fair and without collusion or fraud. My firm understands and agrees that bid/proposal collusion is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards;
- Employees of this company or employees of any company supplying material or subcontracting to do work on this Contract will not engage in business ventures with employees of the CITY or Consulting Engineers nor shall they provide gifts, gratuities, favors, entertainment, loans or other items of value to employees of this Department, and
- That the provisions of the Official Code of Georgia Annotated, Sections 45-10-20 et seq. have not been violated and will not be violated in any respect. O.C.G.A. 45-10-20 through 45-10-28 provide that it is unlawful for a City elected official or employee to transact business with the Cify by which that person is employed for himself, on behalf of a business in which the employee or his/her spouse or dependents has a substantial interest, or on behalf of anyone as agent, broker, dealer, or representative.

Sol Construction LLC
Company Name

Signature of Authorized Officer or Agent

10/25/2022
Date

Juliana Gomez, President
Printed Name & Title of Authorized Officer or Agent

4120 Presidential Pky Ste 115 Atlanta GA 30340
Company Address

Subscribed and sworn before me on this the

25th day of October, 2022

Katherine Butterfield
Notary Public

06/27/2026
My Commission Expires

Katherine Butterfield
NOTARY PUBLIC
Cobb County, GEORGIA

CITY OF ALPHARETTA BID BOND FORM

This procurement is issued under the authority of the City of Alpharetta Procurement Policy and applicable law. The City has the authority to reject all bids or any bid that is non-responsive or not responsible, and to waive technicalities and informalities to award a contract that is in the best interest of the City.

In compliance with O.C.G.A. § 36-91-50

Bond Requirements

Bid Bond

A bid bond in the amount of 5% of bid total required. The bid surety may be in the form of a bid bond or cashier's check. If a cashier's check will be presented as bid surety, a copy of the check shall be posted online with the bidder's response and the actual cashier's check must be delivered to the Procurement Agent noted in the Specifications document at the noted address no later than the ITB close date and time.

By signing and submitting this bid to the City, **BIDDER** agrees that in case of failure on their part to execute said contract and performance and payment bonds, or provide satisfactory proof of carriage of the insurance required, within fourteen (14) calendar days after the award thereof, the Bid Bond or certified check accompanying their bid and the money payable thereon shall be forfeited to the **CITY** as liquidated damages; otherwise, the check or bid bond accompanying this proposal shall be returned to the **BIDDER**.

Performance and Payment Bonds

Prior to commencing the Work, the Contractor, as principal, and a surety company listed in the Federal Register and licensed to write surety insurance in the State of Georgia, as surety, shall give a Performance Bond in the amount of one hundred percent (100%) of the price of the Contract and a Payment (Labor and Material) Bond, in the amount of one hundred percent (100%) of the price of the Contract.

"Performance bond" means a bond with good and sufficient sureties or guarantees for the faithful performance of the Contract and to indemnify the City for any damages occasioned by a failure to perform same within the prescribed time. Such bond shall be payable to, in favor of, and for the protection of the City.

"Payment bond" means a bond with good and sufficient sureties or guarantees payable to the City and intended for the use and protection of all subcontractors and all persons supplying labor, materials, machinery, and equipment in the prosecution of the Work provided for in the Contract for the use of all persons doing work or furnishing skills, tools, machinery, or materials under or for the purpose of constructing the Project. The life of these bonds shall extend through the Final Completion date of the Project for an additional sixty (60) day maintenance period (where applicable) and a twelve-month warranty/guarantee period after Final Completion.

Required to be submitted with Bid

Bidders are required to have completed and to return the following Bid Bond form for 5% of bid total with each Bid. Bid bond must be submitted with bid prior to bid due date/time.

BID BOND

(Five Percent (5%) of Bid)

Bid Bond # N/A

KNOW ALL MEN BY THESE PRESENTS, that we, the undersign

Sol Construction LLC, as **CONTRACTOR**, and

The Cincinnati Insurance Company, as **SURETY**, a corporation duly organized under the laws of the State of Ohio, are hereby held and firmly bound unto

CITY OF ALPHARETTA, GEORGIA
2 PARK PLAZA
ALPHARETTA, GA 30009 as **CITY** and hereafter called **OBLIGEE**, in the penal sum of

Five Percent of Bid Amount Dollars ($), or 5% Percent (_____%) of the bid amount, whichever is less, for the payment of which sum well and truly to be made, the said **CONTRACTOR** and the said **SURETY**, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this 27th day of October, 2022.

The condition of the above obligation is such that whereas the **CONTRACTOR** has submitted to the **OBLIGEE** a certain bid attached hereto and hereby made a part hereof to enter into a contract in writing for the construction of

WEBB BRIDGE RD INTERSECTION IMPROVEMENTS - MAID MARION CLOSE TO WEBB BRIDGE PARK project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, construction of a roundabout at Webb Bridge Road and Webb Bridge Way, installation of pedestrian lighting, installation of landscaping, and related work, more particularly described in the **CONTRACT** (hereafter called the **PROJECT**).

NOW, THEREFORE, if the **OBLIGEE** shall accept the bid of the **CONTRACTOR** and the **CONTRACTOR** shall enter into a Contract with the **OBLIGEE** in accordance with the terms of such bid and give such bonds or bond as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the **CONTRACTOR** to enter such Contract and give such bond or bonds, if the **CONTRACTOR** shall pay to the **OBLIGEE** the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the **OBLIGEE** may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

BID BOND

The **SURETY**, for value received, hereby stipulates and agrees that the obligations of said **SURETY** and its bond shall be in no way impaired or affected by any extension of the time within which the **OBLIGEE** may accept such bids, and said **SURETY** does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the **CONTRACTOR** and the **SURETY** corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Sol Construction LLC
CONTRACTOR (SEAL)

By: _____

The Cincinnati Insurance Company
SURETY (SEAL)

By: _____
Margaret S. Meyers, Attorney-in-fact
Georgia Representative

Surety Contact Information:

Address: P.O. Box 145496, Cincinnati, OH 45250

Phone: (513) 870-2000

Fax: _____

Email: Joe_Black@CINFIN.com

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

THE CINCINNATI INSURANCE COMPANY
THE CINCINNATI CASUALTY COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY and THE CINCINNATI CASUALTY COMPANY, corporations organized under the laws of the State of Ohio, and having their principal offices in the City of Fairfield, Ohio (herein collectively called the "Companies"), do hereby constitute and appoint

Douglas L. Rieder; Brian M. Perry; Debra Johnson; John W. Miller, II; F. Anderson Philips; Margaret S. Meyers; James C. Congelio; James N. Congelio; W. Wesley Hamilton; Matthew L. Miller and/or Michael J. Brown

of Atlanta, Georgia
their true and legal Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and deliver on behalf of the Companies as Surety, any and all bonds, policies, undertakings or other like instruments, as follows:

Any such obligations in the United States, up to
Twenty Million and No/100 Dollars ($20,000,000.00).

This appointment is made under and by authority of the following resolutions adopted by the Boards of Directors of The Cincinnati Insurance Company and The Cincinnati Casualty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the President or any Senior Vice President be hereby authorized, and empowered to appoint Attorneys-In-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company.

RESOLVED, that the signature of the President or any Senior Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Vice-President and the Seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS WHEREOF, the Companies have caused these presents to be sealed with their corporate seals, duly attested by their President or any Senior Vice President this 16th day of March, 2021.

THE CINCINNATI INSURANCE COMPANY
THE CINCINNATI CASUALTY COMPANY

Stephen A. Ventre

STATE OF OHIO)SS:
COUNTY OF BUTLER)

On this 16th day of March, 2021 before me came the above-named President or Senior Vice President of The Cincinnati Insurance Company and The Cincinnati Casualty Company, to me personally known to be the officer described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of said Companies and the corporate seals and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporations.

Keith Collett, Attorney at Law
Notary Public – State of Ohio
My commission has no expiration date.
Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Vice-President of The Cincinnati Insurance Company and The Cincinnati Casualty Company, hereby certify that the above is the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Power of Attorney is still in full force and effect.

Given under my hand and seal of said Companies at Fairfield, Ohio, this 27th day of October 2022

BN-1457 (3/21)

SCHEDULE OF ITEMS
Webb Bridge Rd Roadway Improvements – Big Creek Greenway to Webb Bridge Park
ITB # 23-002

ADDENDUM #3: Supercedes any previous SOI. All Bidders must respond using this SOI. Posted 10-21-22.

Enter Bidder's Name:	Sol Construction, LLC				
Pay Item #	**Item Description**	**Unit Price**	**Unit**	**QTY**	**Total**
TRAFFIC CONTROL ITEMS					
150-1000	TRAFFIC CONTROL	$ 184,300.00	LS	1.00	$ 184,300.00
632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	$ 11,800.00	EA	4.00	$ 47,200.00
ROADWAY ITEMS					
210-0100	GRADING COMPLETE	$ 741,000.00	LS	1.00	$ 741,000.00
310-1101	GR AGGR BASE CRS, INCL MATL	$ 42.00	TN	1019.00	$ 42,798.00
318-3000	AGGR SURF CRS	$ 45.00	TN	40.00	$ 1,800.00
402-1802	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME	$ 467.50	TN	98.67	$ 46,128.23
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	$ 238.00	TN	743.51	$ 176,955.38
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	$ 232.00	TN	657.78	$ 152,605.60
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	$ 446.50	TN	158.20	$ 70,634.65
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	$ 453.00	TN	87.46	$ 39,621.03
413-1000	BITUM TACK COAT	$ 8.00	GL	876.82	$ 7,014.56
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	$ 11.00	SY	7070.51	$ 77,775.61
441-0104	CONC SIDEWALK, 4 IN	$ 41.60	SY	3328.00	$ 138,444.80
441-0108	CONC SIDEWALK, 8 IN	$ 93.50	SY	552.67	$ 51,674.65
441-0754	CONCRETE MEDIAN, 7 1/2 IN	$ 90.00	SY	985.61	$ 88,704.90
441-4020	CONC VALLEY GUTTER, 6 IN	$ 71.00	SY	85.19	$ 6,048.49
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	$ 20.50	LF	2082.41	$ 42,689.41
441-5004	CONCRETE HEADER CURB, 6 IN, TP 4	$ 26.00	LF	370.79	$ 9,640.54
441-5025	CONCRETE HEADER CURB, 4 IN TP 9	$ 23.00	LF	276.46	$ 6,358.58
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	$ 21.70	LF	2526.30	$ 54,820.71
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	$ 7.60	LF	1938.56	$ 14,733.06
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	$ 310.00	CY	36.58	$ 11,339.80
500-3201	CLASS B CONCRETE, RETAINING WALL	$ 698.00	CY	44.34	$ 30,949.32
500-3600	CLASS AAA CONCRETE, TRUCK APRON	$ 530.00	CY	71.00	$ 37,630.00
500-3900	CLASS B CONCRETE, INCL REINF STEEL	$ 964.50	CY	362.66	$ 349,785.57
515-2015	HANDRAIL - ALPHARETTA STANDARD	$ 126.00	LF	902.00	$ 113,652.00
999-9995	MANUFACTURE STONE VENEER	$ 39.70	SF	1158.24	$ 45,982.13
643-8210	WOOD FENCE - 1200020	$ 32.00	LF	234.84	$ 7,514.88
682-2150	PULL BOX, PB-5	$ 3,765.00	EA	6.00	$ 22,590.00
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	$ 23.00	LF	300.00	$ 6,900.00
900-0039	BRICK PAVERS	$ 22.80	SF	2336.38	$ 53,269.46
DRAINAGE ITEMS					
550-1150	STORM DRAIN PIPE, I5 IN, H 1-10	$ 74.50	LF	40.00	$ 2,980.00

550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	$	86.00	LF	1101.00	$	94,686.00
550-4215	FLARED END SECTION 15 IN, STORM DRAIN	$	1,990.00	EA	1.00	$	1,990.00
573-9999	PERFORATED UNDERDRAIN, 6 IN	$	27.80	LF	145.00	$	4,031.00
600-0001	FLOWABLE FILL	$	1,180.00	CY	13.42	$	15,839.73
611-3000	RECONSTR CATCH BASIN, GROUP 1	$	2,437.00	EA	1.00	$	2,437.00
611-3030	RECONSTR STORM SEWER MANHOLE, TP 1	$	2,650.00	EA	2.00	$	5,300.00
611-8000	ADJUST CATCH BASIN TO GRADE	$	940.00	EA	2.00	$	1,880.00
611-8050	ADJUST MANHOLE TO GRADE	$	940.00	EA	4.00	$	3,760.00
668-1100	CATCH BASIN, GP 1	$	3,800.00	EA	11.00	$	41,800.00
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	$	521.50	LF	6.00	$	3,129.00
668-2105	DROP INLET, GP 1, SPCL DES	$	6,370.00	EA	7.00	$	44,590.00
668-2115	DROP INLET, GP 1, ADDL DEPTH, SPCL DES	$	671.00	LF	7.00	$	4,697.00
668-4300	STORM SEWER MANHOLE, TP 1	$	4,196.00	EA	4.00	$	16,784.00
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH CL 1	$	270.00	LF	3.00	$	810.00
	TRAFFIC & ITS ITEMS						
682-2150	TP 5 PULL BOX	$	3,770.00	EA	7.00	$	26,390.00
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	$	23.00	LF	3080.00	$	70,840.00
682-9950	DIRECTIONAL BORE, 5 IN	$	40.00	LF	155.00	$	6,200.00
	SIGNING & MARKING ITEMS						
610-9001	REMOVE SIGN	$	120.50	EA	4.00	$	482.00
611-5551	RESET SIGN	$	241.00	EA	4.00	$	964.00
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	$	23.00	SF	146.00	$	3,358.00
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	$	25.00	SF	42.00	$	1,050.00
636-2070	GALV STEEL POSTS, TP 7	$	13.50	EA	276.00	$	3,726.00
636-2090	GALV STEEL POSTS, TP 9	$	13.50	EA	62.00	$	837.00
647-5230	SIGN ASSEMBLY, FLASHING SCHOOL, COMPLETE	$	7,940.00	EA	1.00	$	7,940.00
652-0105	PAVEMENT MARKING BIKE SHARED LANE SYMBOL	$	111.50	EA	2.00	$	223.00
652-5451	SOLID TRAF STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$	2,000.00	GLM	0.02	$	40.00
652-6501	SKIP TRAF STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$	970.00	GLM	0.02	$	19.40
653-0120	THERMOPLASTIC PVMT MARKING ARROW, TP 2	$	146.00	EA	5.00	$	730.00
653-0230	THERMOPLASTIC PVMT MARKING WORD, TP 3A	$	515.00	EA	1.00	$	515.00
653-0296	THERMOPLASTIC PVMT MARKING WORD, TP 15	$	214.50	EA	4.00	$	858.00
652-0094	PVMT MARKING SYMBOL, TP 4	$	573.50	EA	1.00	$	573.50
653-1501	THERMOPLASTIC SOLID TRAF STRIPING, 5 IN, WHITE	$	0.94	LF	3969.00	$	3,730.86
653-1502	THERMOPLASTIC SOLID TRAF STRIPING, 5 IN, YELLOW	$	0.94	LF	4172.00	$	3,921.68
653-1704	THERMOPLASTIC SOLID TRAF STRIPING, 24 IN, WHITE	$	7.00	LF	89.00	$	623.00
653-1804	THERMOPLASTIC SOLID TRAF STRIPING, 8 IN, WHITE	$	3.30	LF	2417.00	$	7,976.10
653-3501	THERMOPLASTIC SKIP TRAF STRIPING, 5 IN, WHITE	$	0.94	GLF	269.00	$	252.86
653-3502	THERMOPLASTIC SKIP TRAF STRIPING, 5 IN, YELLOW	$	0.94	GLF	134.00	$	125.96

653-4830	THERMOPLASTIC SKIP TRAF STRIPING, 18 IN, WHITE	$	6.90	GLF	69.00	$	476.10
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	$	6.50	SY	77.00	$	500.50
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	$	8.00	SY	123.00	$	984.00
654-1001	RAISED PVMT MARKERS TP 1	$	6.70	EA	75.00	$	502.50
654-1003	RAISED PVMT MARKERS TP 3	$	6.70	EA	27.00	$	180.90
657-1110	PREFORMED PLASTIC SOLID PVMT MKG, 11 IN, CONTRAST (BLACK-WHITE), TP PB	$	17.20	LF	213.00	$	3,663.60
634-1200	RIGHT OF WAY MARKERS	$	287.00	EA	25.00	$	7,175.00
	LANDSCAPE ITEMS						
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	$	23.00	LF	240.00	$	5,520.00
682-6223	CONDUIT, NONMETL, TP 2, 3 IN	$	44.00	LF	240.00	$	10,560.00
702-9025	LANDSCAPE MULCH - 1" DEPTH	$	16.00	CY	400.00	$	6,400.00
766-7020	IRRIGATION SYSTEM	$	10,000.00	LS	1.00	$	10,000.00
	LIGHTING ITEMS						
680-4110	LIGHTING STD, 11-15 FT MH, POST TOP	$	4,230.00	EA	41.00	$	173,430.00
680-4225	LIGHTING STD, 26-30 FT MH	$	8,230.00	EA	8.00	$	65,840.00
680-5255	LUMINAIRE BRACKET ARM, 6FT	$	2,462.00	EA	8.00	$	19,696.00
680-6130	LUMINAIRE, TP 3, LED	$	2,723.00	EA	49.00	$	133,427.00
682-1504	CABLE, TP RHH/RHW, AWG NO 10	$	1.80	LF	12900.00	$	23,220.00
682-2110	ELECTRICAL SERVICE POINT	$	14,075.00	EA	2.00	$	28,150.00
682-2120	PULL BOX, TYPE 2	$	493.00	EA	2.00	$	986.00
682-6221	CONDUIT, NONMETAL, TP 2, 2 1/2 IN	$	11.90	LF	4300.00	$	51,170.00
682-9950	DIRECTIONAL BORE - 3 IN	$	40.60	LF	177.00	$	7,186.20
	EROSION CONTROL ITEMS						
163-0232	TEMPORARY GRASSING	$	1,205.00	AC	1.00	$	1,205.00
163-0240	MULCH	$	373.00	TN	40.00	$	14,920.00
163-0300	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	$	1,088.77	EA	1.00	$	1,088.77
163-0542	CONSTRUCT AND REMOVE STONE FILTER RING	$	631.00	EA	1.00	$	631.00
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	$	196.00	EA	2.00	$	392.00
163-1915	CONSTRUCT AND REMOVE COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	11.20	LF	345.00	$	3,864.00
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C (Sd1-S)	$	0.60	LF	5637.00	$	3,382.20
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	$	287.00	EA	1.00	$	287.00
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	$	115.00	EA	2.00	$	230.00
165-1500	MAINTENANCE OF COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	3.50	LF	345.00	$	1,207.50
167-1000	WATER QUALITY MONITORING AND SAMPLING	$	574.00	EA	3.00	$	1,722.00
167-1500	WATER QUALITY INSPECTIONS	$	574.00	MO	12.00	$	6,888.00
171-0030	TEMPORARY SILT FENCE, TYPE C (Sd1-S)	$	4.30	LF	5637.00	$	24,239.10
603-2181	STN DUMPED RIP RAP, TP 3, 18 IN	$	59.50	SY	32.00	$	1,904.00
603-7000	PLASTIC FILTER FABRIC	$	3.50	SY	32.00	$	112.00
643-8200	BARRIER FENCE (ORANGE), 4 FT (CoA Std L-6, Type B)	$	3.20	LF	4430.00	$	14,176.00
700-6910	PERMANENT GRASSING	$	1,430.00	AC	1.00	$	1,430.00
700-7000	AGRICULTURAL LIME	$	471.00	TN	2.00	$	942.00
700-8000	FERTILIZER MIXED GRADE	$	746.00	TN	1.00	$	746.00
700-9300	SOD - TIFTUF	$	8.60	SY	2412.00	$	20,743.20
716-2000	EROSION CONTROL MATS (JUTE BASED), SLOPES	$	1.40	SY	450.00	$	630.00

UTILITY ITEMS					
611-8120	ADJUST WATER METER BOX TO GRADE	$ 746.00	EA	2.00	$ 1,492.00
611-8140	ADJUST WATER VALVE BOX TO GRADE	$ 745.00	EA	5.00	$ 3,725.00
670-4000	FIRE HYDRANT	$ 4,569.00	EA	2.00	$ 9,138.00
670-9920	REMOVE EXISTING FIRE HYDRANT	$ 4,015.00	EA	1.00	$ 4,015.00
611-8050	ADJUST MANHOLE TO GRADE	$ 1,388.00	EA	7.00	$ 9,716.00
OTHER ITEMS					
999-9999	MISCELLANEOUS CONSTRUCTION	$ 250,000.00	LS	1.00	$ 250,000.00

GRAND TOTAL $ 3,994,545.00

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Sol Construction LLC

2 Business name/disregarded entity name, if different from above

NA

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☑ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ S

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

4120 Presidential Pjy Ste 115

Requester's name and address (optional)

6 City, state, and ZIP code

Atlanta GA30340

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

☐☐☐ - ☐☐ - ☐☐☐☐

or

Employer identification number

2 0 - 2 4 7 3 8 0 6

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶ [signature] Date ▶ 10-25-2022

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

Question Set 1: Acknowledgements

#	Question	Response	Comment
1.0.1	Addenda Acknowledgement, enter the number of addenda received: Response Type: Select 0, 1, 2, etc.	3	1
1.0.2	Insurance Requirement Acknowledgement, Response Type: Yes, No entry.	Yes	yes
1.0.3	Acknowledgment Payment and Performance Bond/ Retainage, Response Type: Yes, No entry.	Yes	yes
1.0.4	Acknowledgement of Contract and T&C review, Response Type: Yes, No entry	Yes	yes
1.0.5	Note any Exceptions to Contract T&Cs, Response Type: text entry.	none	
5 Questions			**100.00% Complete**

Question Set 2: Requested Information

#	Question	Response	Comment
2.0.1	Authorized signer for contract execution in DocuSign: Name, business title, email address, Response Type: Response Type: text entry.	Juliana Gomez, President jgomez@solconstructionllc.com 4120 Presidential Pky Ste 115 Atlanta GA 30340	
2.0.2	Legal notices contact needed for contracting: Business name and mailing address, contact name, Response Type: text entry.	Sol Construction LLC Juliana Gomez, President 4120 Presidential Pky Ste 115 Atlanta GA 30340	
2.0.3	Unique Entity ID / identifier used at SAM.gov, Response Type: alphanumeric entry	024511283	DUNS Number
2.0.4	Corporate secretary for contract execution in DocuSign: Name, business title, email address, Response Type: Response Type: text entry.	Jose Villegas, VP/Secretary jvillegas@solconstructionllc.com 4120 Presidential Pky Ste 115 Atlanta GA 30340	
2.0.5	Note the employee-number category for your company (all locations). Select either 500 or more employees, 100 or more employees, or less than 100 employees.	less than 100 employees	les than 100
5 Questions			**100.00% Complete**

EXHIBIT C

SCOPE OF WORK

As provided in Exhibit A and Exhibit B, and as follows:

EXHIBIT D

ADDITIONAL PAYMENT/RETAINAGE TERMS

A. Defined Terms. Terms used in this Agreement shall have their ordinary meaning, unless otherwise defined below or elsewhere in the Contract Documents.

(i) "Substantial Completion" means when the Work or designated portion thereof is complete in accordance with the Contract Documents so that any remaining Work includes only (1) Minor Items that can be completed or corrected within the following thirty (30) calendar days, (2) Permitted Incomplete Work that will be completed by the date agreed upon by the Parties, and (3) any Warranty Work. Substantial Completion shall require complete operation of all applicable building systems including, but not limited to, mechanical, electrical, plumbing, fire protection, fire alarm, telecom, data, security, elevators, life safety, and accessibility (if any).

(ii) "Minor Item" means a portion or element of the Work that can be totally complete within thirty (30) calendar days.

(iii) "Permitted Incomplete Work" means Work that is incomplete through no fault of the Contractor, as determined by the City in its sole discretion.

(iv) "Final Completion" means when the Work has been completed in accordance with terms and conditions of the Contract Documents.

B. Payment for Work Completed and Costs Incurred. City agrees to pay the Contractor for the Work performed and costs incurred by Contractor upon certification by the Contract Administrator and the City that the Work was actually performed and costs actually incurred in accordance with this Agreement. Payment shall be based on the value of the Work completed, as provided in the Contract Documents, plus the value of materials and equipment suitably stored, insured, and protected at the construction site, and, only if approved in writing by the City (which approval shall be given at the sole discretion of the City), such materials and equipment suitably stored, insured, and protected off site at a location approved by the City in writing, less retainage (as described below). Compensation for Work performed and reimbursement for costs incurred shall be paid to the Contractor upon receipt and approval by the City of invoices setting forth in detail the Work performed and costs incurred, along with all supporting documents required by the Contract Documents or requested by the City to process the invoice. Invoices shall be submitted on a monthly basis, and such invoices shall reflect costs incurred versus costs budgeted. Each invoice shall be accompanied by an Interim Waiver and Release upon Payment (or a Waiver and Release upon final payment in the case of the invoice for final payment) procured by the Contractor from all subcontractors in accordance with O.C.G.A. § 44-14-366. The final invoice shall also be accompanied by the Final Affidavit shown in **Exhibit A** of this Agreement.

The City shall pay the Contractor within thirty (30) calendar days after approval of the invoice by City staff, less any retainage as described in Section D below. No payments will be made for unauthorized work. Payment will be sent to the designated address by U. S. Mail only; payment will not be hand-delivered, though the Contractor may arrange to pick up payments directly from the City or may make written requests for the City to deliver payments to the Contractor by Federal Express delivery at the Contractor's expense.

C. Evaluation of Payment Requests. The Contract Administrator will evaluate the Contractor's applications for payment and will either issue to the City a Certificate for Payment (with a copy of the Contractor's application for payment) for such amount as the Contract Administrator determines is properly due, or notify the Contractor and City in writing of the Contract Administrator's reasons for withholding certification in whole or in part. The Contract Administrator may reject Work that does not conform to the Contract Documents and may withhold a Certificate of Payment in whole or in part, to the extent reasonably necessary to protect the City. When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

Even following a Certificate of Payment, the City shall have the right to refuse payment of any invoice or part thereof that is not properly supported, or where requests for payment for Work or costs are in excess of the actual Work performed or costs incurred, or where the Work product provided is unacceptable or not in conformity with the Contract Documents, as determined by the City in its sole discretion. The City shall pay each such invoice or portion thereof as approved, provided that neither the approval or payment of any such invoice, nor partial or entire use or occupancy of the Project by the City, shall be considered to be evidence of performance by the Contractor to the point indicated by such invoice, or of receipt or acceptance by the City of Work covered by such invoice, where such work is not in accordance with the Contract Documents.

D. Final Payment and Retainage. The City and Contractor shall comply with the provisions of O.C.G.A. § 13-10-80. The Contractor through each invoice may request payment of no more than ninety-five percent (95%) of that portion of the Work completed during the term covered by such invoice. Payment for the remaining five percent (5%) of Work completed and covered by such invoices shall be retained by the City until Substantial Completion. At the discretion of the City and with the written approval of the Contractor, the retainage of each subcontractor may be released separately as the subcontractor completes his or her work.

At Substantial Completion of the Work and as the Contract Administrator determines the Work to be reasonably satisfactory, the City shall, within thirty (30) days after the invoice and other appropriate documentation as may be required by the Contract Documents are provided to the City, pay the retainage to the Contractor. If at that time there are any remaining incomplete Minor Items or Permitted Incomplete Work, an amount equal to 200 percent (200%) of the value of each Minor Item or Permitted Incomplete Work, as determined by the Contract Administrator in its sole discretion, shall be withheld until such item, items or work are completed. The reduced retainage shall be shared by the Contractor and subcontractors as their interests may appear.

The Contractor shall, within ten (10) days from its receipt of retainage from the City, pass through payments to subcontractors and shall reduce each subcontractor's retainage in the same manner as the Contractor's retainage is reduced by the City, provided that the work of the subcontractor is proceeding satisfactorily and the subcontractor has provided or provides such satisfactory reasonable assurances of continued performance and financial responsibility to complete his or her work including any warranty work as the Contractor in his or her reasonable discretion may require, including, but not limited to, a payment and performance bond.

The subcontractor shall, within ten (10) days from the subcontractor's receipt of retainage from the Contractor, pass through payments to lower tier subcontractors and shall reduce each lower tier subcontractor's retainage in the same manner as the subcontractor's retainage is reduced by the Contractor, provided that the work of the lower tier subcontractor is proceeding satisfactorily and the lower tier subcontractor has provided or provides such satisfactory reasonable assurances of continued performance and financial responsibility to complete his or her work including any warranty work as the subcontractor in his or her reasonable discretion may require, including, but not limited to, a payment and performance bond.

Final payment of any retained amounts to the Contractor shall be made after certification by the Contract Administrator that the Work has been satisfactorily completed and is accepted in accordance with the Agreement and Contract Documents.

Neither final payment nor any remaining retainage shall become due until the Contractor submits to the Contract Administrator:

(1) an affidavit (as exemplified in **Exhibit A** of this agreement) that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the City or City property might be responsible or encumbered (less amounts withheld by City) have been paid or otherwise satisfied; and

(2) a certificate evidencing that insurance, required by the Contract Documents to remain in force after final payment, is currently in effect and will not be canceled or allowed to expire until at least thirty (30) calendar days prior written notice has been given to the City; and

(3) a written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents; and

(4) consent of surety, if any, to final payment; and

(5) a release or waiver of liens, claims, security interests, and encumbrances by all subcontractors and material suppliers; and

(6), if required by the City, other data establishing payment or satisfaction of

obligations, such as receipts, to the extent and in such form as may be designated by the City. If a subcontractor or material supplier refuses to furnish a release or waiver as required by the City, the Contractor may furnish a bond satisfactory to the City to indemnify the City against such lien. If such lien remains unsatisfied after payments are made, the Contractor shall refund to the City all money that the City may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.

Acceptance of final payment by the Contractor, a subcontractor or material supplier shall constitute a waiver of claims by that payee, except those claims previously made in writing and identified by that payee as unsettled at the time of final application for payment.

Sol Construction
safety service commitment

October 27, 2022

City of Alpharetta, GA

ITB 23-002, Webb Bridge Road Intersection Improvements

Sol Construction is pleased to present itself to be considered as a prospective contractor for the Webb Bridge Road Intersection Improvements. Sol specializes in public infrastructure including water, wastewater, and streetscape projects. Sol has the people, commitment, and technology to deliver expertise and direct experience in all disciplines anticipated for this project, and our team is highly proficient in construction of water pump stations. Our team offers fresh ideas, and our professionals have the skills required for fast-paced project execution. We are ready to help you to achieve your goals.

Sol Construction was formed in 2002 and started operations in 2006. Sol has a proven record of completing similar projects as designed and on schedule. We consistently provide great results for owners and engineers, as can be verified by the references provided. We are confident that our skills and experience will prove to be a great asset for the City of Alpharetta. We appreciate the opportunity to provide a proposal for the Webb Bridge Road Intersection Improvements.

Sincerely,

Juliana Gomez
President
Sol Construction LLC

Business Information

Sol Construction, LLC has operated under the current corporate name since the start of operations in 2006. Sol maintains one office at 4120 Presidential Parkway Ste 115, Atlanta GA 30340. The phone number is 770-455-1822, and the fax number is 800-996-0385. There are no other offices or subsidiaries.

The primary contact for this project will be Mrs. Juliana Gomez, President. Her mailing address is 4120 Presidential Pky Ste 115 Atlanta GA 30340. Her office phone number is 770-455-1822 and her cell phone number is 404-213-4264. Her email address is jgomez@solconstructionllc.com.

References

Sol Construction is pleased to offer the following references:

- **Richard Stokes, City of Marietta, GA**
  770-794-5709
  rstokes@mariettaga.gov
  205 Lawrence Street, Marietta, GA 30060

Recent Projects for the City of Marietta:

Manning Road Traffic Calming.	Contract Value: $106,464	Completed: May 2021
Kirkpatrick Dr Lane Addition.	Contract Value: $70,184.38	Completed: Apr 2020
Marietta Brick Median Noses.	Contract Value: $71,510	Completed: Mar 2020
Scufflegrit Sidewalks.	Contract Value: $55,323	Completed: Dec 2019
East Side Cole Street.	Contract Value: $71,342	Completed: Aug 2019

- **Joe Zachmann, Athens-Clarke County, GA**
  706-613-3465 ext 7826
  joe.zachmann@accgov.com
  P.O. Box 1868, Athens, Georgia 30603

Recent Projects for Athens-Clarke County:

Stormwater Improvements.- Pine Cone Place and Midway Road.		
	Contract Value: $318,316	Completed: Feb 2020
FY 17 Sidewalk Gap Project Phase 3	Contract Value: $1,331,247	Completed: Aug 2020

- **Sam Tamakloe, Fulton County, GA**
  404-613-3011
  sam.tamakloe@fultoncountyga.gov
  141 Pryor Street Suite 8022, Atlanta, Georgia 30303

Recent Projects for Fulton County:

2018 Fulton County Standby Misc Construction- Wastewater System Services		
	Contract Value: $ 4,157,815	Completed: Dec 2019
Chattahoochee III PS Upgrade	Contract Value: $ 2,087,000	Completed: Aug 2018
Great Southwest PS Modifications	Contract Value: $ 514,000	Completed: Feb 2018

Jobs in Progress

Job Name	Owner and Contact Info	Engineer and Contact Info	Current Contract Price	Estimated Completion Date	Description
Polk Street Ramp	City of Marietta, GA 205 Lawrence St NE Marietta, GA 30061 Richard Stokes Ph: (770) 794-5650	City of Marietta, GA 205 Lawrence St NE Marietta, GA 30061 Ph: (770) 794-5650	$ 47,700.	December 2022	Polk Street ADA ramp replacement
Chattahoochee Country Club	Chattahoochee Country Club Matthew Collins 3000 Club Dr Gainesville, GA 30506 770-536-4461	Civil Engineering Consultants 4994 Lower Roswell R Marietta, GA 30068 Chuck Butterfield 678-650-0732	$ 165,000.	March 2023	Supply and install duplex pumps, modify top of existing basin, new hatch, install 590 LF 2" FM.
Christian City Multi Use Trail	City of Union City, GA Sonja Fillingame, City Manager 5047 Union Street Union City, Georgia 30291-1497	Lowe Engineers 990 Hammond Dr Ste 900 Atlanta GA 30328 770-857-8400	$ 769,366.	December 2022	Demolition, tree removal, utilities coordination, drainage and curb modifications, and construction of a concrete multi-use path along Lester Road and Red Oak Road
Cumming PWPF Improvements Ph 1	Sub to N GA Pipeline City of Cumming, GA North GA Pipeline Sue Perry 770-630-0804 sperry@ngp-inc.com	Civil Engineering Consultants Andrew Lovejoy Professional Engineer Ph: 770-977-5767 andy@ cec.engineering	$ 861,900.	May 2023	Sub to North Georgia Concrete- Change out valves and a mixer
The Retreat at Caney Creek Pump Station	Deluxeton LLC (Private Owner) David Richter, VP 470-754-7915	CEC Andrew Lovejoy Professional Engineer Ph: 770-977-5767 andy@ cec.engineering	$ 645,000.	July 2023	Construction of new pump station and electrical building for development in Forsyth County, GA.
Standby Misc Construction	Fulton County, GA Sam Tamakloe 404-613-3011 sam.tamakloe @fultoncountyga.gov	NA	$ 6,507,180	December 2022	Provide all labor, equipment, and materials necessary for miscellaneous repairs and upgrades in existing sanitary sewer systems within Fulton County.

Russell R. McMurry, P.E., Commissioner
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308
(404) 631-1000 Main Office

May 13, 2022

CERTIFICATE OF QUALIFICATION
Vendor ID: 2SO065

SOL Construction, LLC
4120 Presidential Pkwy
Atlanta, GA 30304

In accordance with The Rules and Regulations governing the Prequalification of Prospective Bidders, the Georgia Department of Transportation has assigned the following Rating. This Certificate of Qualification is effective on the date of issue stated above and cancels and supersedes all Certificates previously issued:

MAXIMUM CAPACITY RATING:	**$55,000,000.00**
CERTIFICATE EXPIRES:	**April 30, 2024**
PRIMARY WORK CLASS/CODE:	**500**
SECONDARY WORK CLASS(ES)/CODE(S):	**441, 500A, 660, 668 and 670**

The total amount of incomplete work, regardless of its location and with whom it is contracted, whether in progress or awarded but not yet begun, shall not exceed the Maximum Capacity Rating. If dissatisfied with the Rating, we direct you to the Appeals Procedures in §672-5-.08 (1) & (2) and §672-1-.05, Rules of the State Department of Transportation.

A Prequalified Contractor may request an extension of its current prequalification **prior** to the expiration date of the prequalification by providing the Department with the following information: the amount of time requested for the extension (either 30, 60 or 90 days), the reason for the extension request and the original expiration date of the prequalification. The Department in its discretion will determine whether the extension should be granted and will notify the Contractor of its determination.

Allowing approved prequalification to lapse will leave the Contractors without the ability to bid work until such time as the standing returns to an approved status. If you desire to apply at some intermediate period before the expiration date, your Rating will be reviewed based on the new application.

This Prequalification Certificate is issued for contractors to be eligible for work with the Georgia Department of Transportation (GDOT) only. GDOT does not certify contractors as eligible to do business with entities other than GDOT. *Work class codes are for reference only and do not represent a certification to be provided in support of contractor ability or NAICS code determinations. NAICS Codes are assigned by the office of Equal Employment Opportunity.*

Sincerely,

Marc Mastronardi, P.E.

Digitally signed by Marc Mastronardi, P.E.
DN: C=US, E=mmastronardi@dot.ga.gov, O=Georgia Department of Transportation, OU=Division of Construction - Director, CN="Marc Mastronardi, P.E."
Date: 2022.05.17 16:11:48-04'00'

Marc Mastronardi, P.E.
Chairman, Prequalification Committee/Contractors

MM:TKA

From: Jose Villegas
To: Westbrook, Debora
Cc: Juliana Gomez
Subject: RE: City of Alpharetta ITB 23-002 for Webb Br Rd Intersection Improvements- Maid Marion Close to Webb Br Park
Date: Wednesday, November 2, 2022 9:04:47 AM
Attachments: image001.png
image002.png
image004.png

[CAUTION: This email originated from outside the City. Do not click links or open attachments unless you recognize the sender and know the content is safe.]

Dear Ms. Westbrook,
Thanks for the opportunity. We are very excited about working with the City of Alpharetta again.

Below are some of the projects in which we have done similar work to the roundabout on Webb Bridge. Sol Construction has considerable experience in roadway improvements with traffic and other conditions similar to the work required by this project. Over the last 16 years, our company has completed many projects involving roadway and utility construction in busy corridors. We have had to provide significant traffic control for the construction of easeabouts, traffic calming measures, speed tables, medians, water main connections, sewer repairs and road widening projects. Additionally, we have local experience working within the City of Alpharetta on the recently completed Windward Parkway Improvements. We are very familiar with GDOT and MUTCD requirements for maintaining a safe construction site and keeping traffic flowing in a safe and efficient manner. We are very confident that we can do a great job for the City as we have done in the past for the City of Alpharetta and other municipalities around the Atlanta Metro Area.

PROJECT	SCOPE	OWNER	CONTACT
SPLOST 4 PEDESTRIAN ENHANCEMENTS TRAIL HEAD & ROWLAND STREET	Installation of 2 stamped- color concrete Easeabout at Rowland st & Wagoneer and Rowland st & Norman St Installation of 4 Concrete Traffic calming devices (chockers) along Rogers Street Installation of 4 asphalt speed tables 3 at Roger Street and 1 at Rowland Street Installation of 3 concrete median w/ pavers along Rowland Street	City of Clarkston	Lawrence Kaiser 404-909-5619 kaiser@co-infra-services.com
F-1273-01 PEACHTREE INDUSTRIAL BOULEVARD	Installation of 1 Concrete Median exit and enter on Peachtree Industrial Boulevard	Gwinnett County	Terrence Eaddy 470-232-8524 terrence.eaddy@oneatlas.com
BRICK MEDIAN NOSES	Installation of 3 concrete- brick median noses at Roswell street@Cobb Parkway, Powder Springs Street@Chesnut Hill Rd and Powder Spring Street@Samdtown Rd	City of Marietta	Richard Stokes 770-794-5709 rstokes@mariettaga.gov
MANGET ST AT LAKEWOOD DR INTERSECTION IMPROVEMENTS	Installation of 3 Concrete- Brick crosswalk along Manget St	City of Marietta	Richard Stokes 770-794-5709 rstokes@mariettaga.gov

Please let me know if there are any questions. We look forward to working with you and your team.

Jose

Jose Villegas
Sol Construction
M: 404-259-4654 O: 770-455-1822
www.solconstructionllc.com

From: Juliana Gomez <jgomez@solconstructionllc.com>
Sent: Tuesday, November 1, 2022 10:17 AM
To: Westbrook, Debora <DWestbrook@alpharetta.ga.us>
Cc: Jose Villegas <jvillegas@solconstructionllc.com>
Subject: RE: City of Alpharetta ITB 23-002 for Webb Br Rd Intersection Improvements- Maid Marion Close to Webb Br Park

Good morning,

I will be out of the office for 2 weeks starting Thursday, November 3rd, 2022. I am copying Jose Villegas, Vice-president. He will provide the information you requested.

Thanks, and have a great day.

Juliana

Juliana Gomez
Sol Construction LLC
www.solconstructionllc.com
ph. 770-455-1822

From: Westbrook, Debora <DWestbrook@alpharetta.ga.us>
Sent: Tuesday, November 1, 2022 9:50 AM
To: Juliana Gomez <jgomez@solconstructionllc.com>
Subject: City of Alpharetta ITB 23-002 for Webb Br Rd Intersection Improvements- Maid Marion Close to Webb Br Park

Good morning Ms. Gomez,
Thank you and your team at Sol Construction for bidding this project last week. Since this project includes construction of a roundabout, our review team would like to know if you have any example projects that feature roundabout construction. For this particular inquiry, the 5-year limitation would not apply. Please email back to me as soon as you are able with any information that I may provide to our team. Thank you!

Debora Westbrook, CPPB
Office: 678-297-6050 Mobile: 470-559-0615
Online Bid Posting Site

City of Alpharetta
Finance Department
2 Park Plaza
Alpharetta, GA 30009

AFFIDAVIT VERIFYING CONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM (E-Verify)

The undersigned contractor ("Contractor") executes this Affidavit to comply with O.C.G.A § 13-10-91 related to any contract to which Contractor is a party that is subject to O.C.G.A. § 13-10-91 and hereby verifies its compliance with O.C.G.A. § 13-10-91, attesting as follows:

a) The Contractor has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program;

b) The Contractor will continue to use the federal work authorization program throughout the contract period, including any renewal or extension thereof;

c) The Contractor will notify the City of Alpharetta in the event the Contractor ceases to utilize the federal work authorization program during the contract period, including renewals or extensions thereof;

d) The Contractor understands that ceasing to utilize the federal work authorization program constitutes a material breach of Contract;

e) The Contractor will contract for the performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the Contractor with the information required by O.C.G.A. § 13-10-91(a), (b), and (c);

f) The Contractor acknowledges and agrees that this Affidavit shall be incorporated into any contract(s) subject to the provisions of O.C.G.A. § 13-10- 91 for the project listed below to which Contractor is a party after the date hereof without further action or consent by Contractor; and

g) The Contractor acknowledges its responsibility to submit copies of any affidavits, drivers' licenses, and identification cards required pursuant to O.C.G.A. § 13-10-91 to the City of Alpharetta within five business days of receipt.

178057
Federal Work Authorization User Identification Number

01/09/2009
Date of Authorization

Sol Construction LLC
Name of Contractor

23-002, Webb Br Rd Intersection Imp- Maid Marion Close to Webb Br Pk
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed date 10/25/2022 in Atlanta (city), GA (state).

Signature of Authorized Officer or Agent

Juliana Gomez, President
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE 25 DAY OF October, 2022.00.

NOTARY PUBLIC

My Commission Expires: 06/27/2026

Katherine Butterfield
NOTARY PUBLIC
Cobb County, GEORGIA

BIDDER'S DISCLOSURES AND CERTIFICATIONS

PROCUREMENT NUMBER & TITLE: 23-002, Webb Bridge Rd Intersection Improvements- Maid Marion Close to Webb Bridge Park

DISCLOSURE FORM AND CERTIFICATION OF NON-COLLUSION

Bidder must disclose any possible conflict of interest and/or any relationship that exists between any principal or employee of your corporation/firm/team/organization and with any City elected official and/or employee. Relationship may be financial, personal, or family or may be in the form of campaign contributions to elected officials. State whether Relationship DOES or DOES NOT exist. Failure to disclose or to submit this completed form may result in response being declared non-responsive and will not be considered further.

Check applicable box. Use additional forms if needed:	No known relationship exists ☒	Yes, Relationship does exist ☐	If this box checked, include the name and position of the City Official to whom a campaign contribution was made or official/employee relationship. Use a separate form for each official to whom a contribution has been made within the past two (2) years or for additional official/employee relationships.
City Elected Official and/or Employee Name and position			

Contribution Amount/Value (if any)		Contribution Date and Description	
List other Relationship if not contribution			

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS

The Contractor certifies to the best of its knowledge and belief that neither it nor any of its principals:

1. are presently debarred, suspended, proposed for debarment, or declared ineligible from submitting bids or proposals by any federal, state or local entity, department or agency;
2. have within a three-year period preceding this bid/offer, been convicted or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performance of a public (Federal, state or local) contract or subcontract; violation of Federal or state antitrust statues relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statement, tax evasion, or receiving stolen property;
3. are presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph 2 of this certification;
4. have within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal, state or local public agency.

By signing this form, I certify that:

- As an officer of this firm, or per the attached letter of authorization, I am duly authorized to certify the information provided herein is accurate and true; and my firm shall comply with all State and Federal Equal Opportunity and Non-Discrimination requirements and conditions of employment.
- That the firm's response is made without prior understanding, agreement, or connection with any corporation, firm, team, organization, or person submitting a response for the same materials, supplies, equipment, opportunity, or services and is in all respects fair and without collusion or fraud. My firm understands and agrees that bid/proposal collusion is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards;
- Employees of this company or employees of any company supplying material or subcontracting to do work on this Contract will not engage in business ventures with employees of the CITY or Consulting Engineers nor shall they provide gifts, gratuities, favors, entertainment, loans or other items of value to employees of this Department, and
- That the provisions of the Official Code of Georgia Annotated, Sections 45-10-20 et seq. have not been violated and will not be violated in any respect. O.C.G.A. 45-10-20 through 45-10-28 provide that it is unlawful for a City elected official or employee to transact business with the City by which that person is employed for himself, on behalf of a business in which the employee or his/her spouse or dependents has a substantial interest, or on behalf of anyone as agent, broker, dealer, or representative.

Sol Construction LLC
Company Name

Signature of Authorized Officer or Agent

10/25/2022
Date

Juliana Gomez, President
Printed Name & Title of Authorized Officer or Agent

4120 Presidential Pky Ste 115 Atlanta GA 30340
Company Address

Subscribed and sworn before me on this the

25th day of OCTOBER, 2022

Katherine Butterfield
Notary Public

06/27/2026
My Commission Expires

Katherine Butterfield
NOTARY PUBLIC
Cobb County, GEORGIA

CITY OF ALPHARETTA BID BOND FORM

This procurement is issued under the authority of the City of Alpharetta Procurement Policy and applicable law. The City has the authority to reject all bids or any bid that is non-responsive or not responsible, and to waive technicalities and informalities to award a contract that is in the best interest of the City.

In compliance with O.C.G.A. § 36-91-50

Bond Requirements

Bid Bond

A bid bond in the amount of 5% of bid total required. The bid surety may be in the form of a bid bond or cashier's check. If a cashier's check will be presented as bid surety, a copy of the check shall be posted online with the bidder's response and the actual cashier's check must be delivered to the Procurement Agent noted in the Specifications document at the noted address no later than the ITB close date and time.

By signing and submitting this bid to the City, **BIDDER** agrees that in case of failure on their part to execute said contract and performance and payment bonds, or provide satisfactory proof of carriage of the insurance required, within fourteen (14) calendar days after the award thereof, the Bid Bond or certified check accompanying their bid and the money payable thereon shall be forfeited to the **CITY** as liquidated damages; otherwise, the check or bid bond accompanying this proposal shall be returned to the **BIDDER**.

Performance and Payment Bonds

Prior to commencing the Work, the Contractor, as principal, and a surety company listed in the Federal Register and licensed to write surety insurance in the State of Georgia, as surety, shall give a Performance Bond in the amount of one hundred percent (100%) of the price of the Contract and a Payment (Labor and Material) Bond, in the amount of one hundred percent (100%) of the price of the Contract.

"Performance bond" means a bond with good and sufficient sureties or guarantees for the faithful performance of the Contract and to indemnify the City for any damages occasioned by a failure to perform same within the prescribed time. Such bond shall be payable to, in favor of, and for the protection of the City.

"Payment bond" means a bond with good and sufficient sureties or guarantees payable to the City and intended for the use and protection of all subcontractors and all persons supplying labor, materials, machinery, and equipment in the prosecution of the Work provided for in the Contract for the use of all persons doing work or furnishing skills, tools, machinery, or materials under or for the purpose of constructing the Project. The life of these bonds shall extend through the Final Completion date of the Project for an additional sixty (60) day maintenance period (where applicable) and a twelve-month warranty/guarantee period after Final Completion.

Required to be submitted with Bid

Bidders are required to have completed and to return the following Bid Bond form for 5% of bid total with each Bid. Bid bond must be submitted with bid prior to bid due date/time.

THE CITY OF ALPHARETTA GEORGIA

BID BOND

(Five Percent (5%) of Bid)

Bid Bond # N/A

KNOW ALL MEN BY THESE PRESENTS, that we, the undersign

Sol Construction LLC, as **CONTRACTOR,** and

The Cincinnati Insurance Company, as **SURETY,** a corporation duly organized under the laws of the State of Ohio, are hereby held and firmly bound unto

CITY OF ALPHARETTA, GEORGIA
2 PARK PLAZA
ALPHARETTA, GA 30009 as **CITY** and hereafter called **OBLIGEE,** in the penal sum of

Five Percent of Bid Amount Dollars ($), or 5% Percent (_____%) of the bid amount, whichever is less, for the payment of which sum well and truly to be made, the said **CONTRACTOR** and the said **SURETY,** we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this 27th day of October, 2022.

The condition of the above obligation is such that whereas the **CONTRACTOR** has submitted to the **OBLIGEE** a certain bid attached hereto and hereby made a part hereof to enter into a contract in writing for the construction of

WEBB BRIDGE RD INTERSECTION IMPROVEMENTS - MAID MARION CLOSE TO WEBB BRIDGE PARK project, including, but not limited to, roadway construction and widening, installation of curb and gutter, installation of sidewalks, installation of storm drain structures and pipes, construction of retaining walls, construction of a roundabout at Webb Bridge Road and Webb Bridge Way, installation of pedestrian lighting, installation of landscaping, and related work, more particularly described in the **CONTRACT** (hereafter called the **PROJECT**).

NOW, THEREFORE, if the **OBLIGEE** shall accept the bid of the **CONTRACTOR** and the **CONTRACTOR** shall enter into a Contract with the **OBLIGEE** in accordance with the terms of such bid and give such bonds or bond as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the **CONTRACTOR** to enter such Contract and give such bond or bonds, if the **CONTRACTOR** shall pay to the **OBLIGEE** the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the **OBLIGEE** may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

BID BOND

The **SURETY**, for value received, hereby stipulates and agrees that the obligations of said **SURETY** and its bond shall be in no way impaired or affected by any extension of the time within which the **OBLIGEE** may accept such bids, and said **SURETY** does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the **CONTRACTOR** and the **SURETY** corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Sol Construction LLC
CONTRACTOR (SEAL)

By: _____

The Cincinnati Insurance Company
SURETY (SEAL)

By: _____
Margaret S. Meyers, Attorney-in-fact
Georgia Representative

Surety Contact Information:

Address: P.O. Box 145496, Cincinnati, OH 45250

Phone: (513) 870-2000

Fax: _____

Email: Joe_Black@CINFIN.com

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

THE CINCINNATI INSURANCE COMPANY
THE CINCINNATI CASUALTY COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY and THE CINCINNATI CASUALTY COMPANY, corporations organized under the laws of the State of Ohio, and having their principal offices in the City of Fairfield, Ohio (herein collectively called the "Companies"), do hereby constitute and appoint

Douglas L. Rieder; Brian M. Perry; Debra Johnson; John W. Miller, II; F. Anderson Philips; Margaret S. Meyers; James C. Congelio; James N. Congelio; W. Wesley Hamilton; Matthew L. Miller and/or Michael J. Brown

of Atlanta, Georgia
their true and legal Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and deliver on behalf of the Companies as Surety, any and all bonds, policies, undertakings or other like instruments, as follows:

Any such obligations in the United States, up to
Twenty Million and No/100 Dollars ($20,000,000.00).

This appointment is made under and by authority of the following resolutions adopted by the Boards of Directors of The Cincinnati Insurance Company and The Cincinnati Casualty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the President or any Senior Vice President be hereby authorized, and empowered to appoint Attorneys-In-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company.

RESOLVED, that the signature of the President or any Senior Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Vice-President and the Seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS WHEREOF, the Companies have caused these presents to be sealed with their corporate seals, duly attested by their President or any Senior Vice President this 16th day of March, 2021.

THE CINCINNATI INSURANCE COMPANY
THE CINCINNATI CASUALTY COMPANY

STATE OF OHIO)SS:
COUNTY OF BUTLER)

On this 16th day of March, 2021 before me came the above-named President or Senior Vice President of The Cincinnati Insurance Company and The Cincinnati Casualty Company, to me personally known to be the officer described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of said Companies and the corporate seals and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporations.

Keith Collett, Attorney at Law
Notary Public – State of Ohio
My commission has no expiration date.
Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Vice-President of The Cincinnati Insurance Company and The Cincinnati Casualty Company, hereby certify that the above is the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Power of Attorney is still in full force and effect.

Given under my hand and seal of said Companies at Fairfield, Ohio, this 27th day of October 2022.

BN-1457 (3/21)

SCHEDULE OF ITEMS
Webb Bridge Rd Roadway Improvements – Big Creek Greenway to Webb Bridge Park
ITB # 23-002

ADDENDUM #3: Supercedes any previous SOI. All Bidders must respond using this SOI. Posted 10-21-22.

Enter Bidder's Name:	Sol Construction, LLC				
Pay Item #	**Item Description**	**Unit Price**	**Unit**	**QTY**	**Total**
TRAFFIC CONTROL ITEMS					
150-1000	TRAFFIC CONTROL	$ 184,300.00	LS	1.00	$ 184,300.00
632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	$ 11,800.00	EA	4.00	$ 47,200.00
ROADWAY ITEMS					
210-0100	GRADING COMPLETE	$ 741,000.00	LS	1.00	$ 741,000.00
310-1101	GR AGGR BASE CRS, INCL MATL	$ 42.00	TN	1019.00	$ 42,798.00
318-3000	AGGR SURF CRS	$ 45.00	TN	40.00	$ 1,800.00
402-1802	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME	$ 467.50	TN	98.67	$ 46,128.23
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	$ 238.00	TN	743.51	$ 176,955.38
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	$ 232.00	TN	657.78	$ 152,605.60
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	$ 446.50	TN	158.20	$ 70,634.65
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	$ 453.00	TN	87.46	$ 39,621.03
413-1000	BITUM TACK COAT	$ 8.00	GL	876.82	$ 7,014.56
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	$ 11.00	SY	7070.51	$ 77,775.61
441-0104	CONC SIDEWALK, 4 IN	$ 41.60	SY	3328.00	$ 138,444.80
441-0108	CONC SIDEWALK, 8 IN	$ 93.50	SY	552.67	$ 51,674.65
441-0754	CONCRETE MEDIAN, 7 1/2 IN	$ 90.00	SY	985.61	$ 88,704.90
441-4020	CONC VALLEY GUTTER, 6 IN	$ 71.00	SY	85.19	$ 6,048.49
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	$ 20.50	LF	2082.41	$ 42,689.41
441-5004	CONCRETE HEADER CURB, 6 IN, TP 4	$ 26.00	LF	370.79	$ 9,640.54
441-5025	CONCRETE HEADER CURB, 4 IN TP 9	$ 23.00	LF	276.46	$ 6,358.58
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	$ 21.70	LF	2526.30	$ 54,820.71
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	$ 7.60	LF	1938.56	$ 14,733.06
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	$ 310.00	CY	36.58	$ 11,339.80
500-3201	CLASS B CONCRETE, RETAINING WALL	$ 698.00	CY	44.34	$ 30,949.32
500-3600	CLASS AAA CONCRETE, TRUCK APRON	$ 530.00	CY	71.00	$ 37,630.00
500-3900	CLASS B CONCRETE, INCL REINF STEEL	$ 964.50	CY	362.66	$ 349,785.57
515-2015	HANDRAIL - ALPHARETTA STANDARD	$ 126.00	LF	902.00	$ 113,652.00
999-9995	MANUFACTURE STONE VENEER	$ 39.70	SF	1158.24	$ 45,982.13
643-8210	WOOD FENCE - 1200020	$ 32.00	LF	234.84	$ 7,514.88
682-2150	PULL BOX, PB-5	$ 3,765.00	EA	6.00	$ 22,590.00
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	$ 23.00	LF	300.00	$ 6,900.00
900-0039	BRICK PAVERS	$ 22.80	SF	2336.38	$ 53,269.46
DRAINAGE ITEMS					
550-1150	STORM DRAIN PIPE, I5 IN, H 1-10	$ 74.50	LF	40.00	$ 2,980.00

550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	$	86.00	LF	1101.00	$	94,686.00
550-4215	FLARED END SECTION 15 IN, STORM DRAIN	$	1,990.00	EA	1.00	$	1,990.00
573-9999	PERFORATED UNDERDRAIN, 6 IN	$	27.80	LF	145.00	$	4,031.00
600-0001	FLOWABLE FILL	$	1,180.00	CY	13.42	$	15,839.73
611-3000	RECONSTR CATCH BASIN, GROUP 1	$	2,437.00	EA	1.00	$	2,437.00
611-3030	RECONSTR STORM SEWER MANHOLE, TP 1	$	2,650.00	EA	2.00	$	5,300.00
611-8000	ADJUST CATCH BASIN TO GRADE	$	940.00	EA	2.00	$	1,880.00
611-8050	ADJUST MANHOLE TO GRADE	$	940.00	EA	4.00	$	3,760.00
668-1100	CATCH BASIN, GP 1	$	3,800.00	EA	11.00	$	41,800.00
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	$	521.50	LF	6.00	$	3,129.00
668-2105	DROP INLET, GP 1, SPCL DES	$	6,370.00	EA	7.00	$	44,590.00
668-2115	DROP INLET, GP 1, ADDL DEPTH, SPCL DES	$	671.00	LF	7.00	$	4,697.00
668-4300	STORM SEWER MANHOLE, TP 1	$	4,196.00	EA	4.00	$	16,784.00
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH CL 1	$	270.00	LF	3.00	$	810.00
	TRAFFIC & ITS ITEMS						
682-2150	TP 5 PULL BOX	$	3,770.00	EA	7.00	$	26,390.00
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	$	23.00	LF	3080.00	$	70,840.00
682-9950	DIRECTIONAL BORE, 5 IN	$	40.00	LF	155.00	$	6,200.00
	SIGNING & MARKING ITEMS						
610-9001	REMOVE SIGN	$	120.50	EA	4.00	$	482.00
611-5551	RESET SIGN	$	241.00	EA	4.00	$	964.00
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	$	23.00	SF	146.00	$	3,358.00
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	$	25.00	SF	42.00	$	1,050.00
636-2070	GALV STEEL POSTS, TP 7	$	13.50	EA	276.00	$	3,726.00
636-2090	GALV STEEL POSTS, TP 9	$	13.50	EA	62.00	$	837.00
647-5230	SIGN ASSEMBLY, FLASHING SCHOOL, COMPLETE	$	7,940.00	EA	1.00	$	7,940.00
652-0105	PAVEMENT MARKING BIKE SHARED LANE SYMBOL	$	111.50	EA	2.00	$	223.00
652-5451	SOLID TRAF STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$	2,000.00	GLM	0.02	$	40.00
652-6501	SKIP TRAF STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$	970.00	GLM	0.02	$	19.40
653-0120	THERMOPLASTIC PVMT MARKING ARROW, TP 2	$	146.00	EA	5.00	$	730.00
653-0230	THERMOPLASTIC PVMT MARKING WORD, TP 3A	$	515.00	EA	1.00	$	515.00
653-0296	THERMOPLASTIC PVMT MARKING WORD, TP 15	$	214.50	EA	4.00	$	858.00
652-0094	PVMT MARKING SYMBOL, TP 4	$	573.50	EA	1.00	$	573.50
653-1501	THERMOPLASTIC SOLID TRAF STRIPING, 5 IN, WHITE	$	0.94	LF	3969.00	$	3,730.86
653-1502	THERMOPLASTIC SOLID TRAF STRIPING, 5 IN, YELLOW	$	0.94	LF	4172.00	$	3,921.68
653-1704	THERMOPLASTIC SOLID TRAF STRIPING, 24 IN, WHITE	$	7.00	LF	89.00	$	623.00
653-1804	THERMOPLASTIC SOLID TRAF STRIPING, 8 IN, WHITE	$	3.30	LF	2417.00	$	7,976.10
653-3501	THERMOPLASTIC SKIP TRAF STRIPING, 5 IN, WHITE	$	0.94	GLF	269.00	$	252.86
653-3502	THERMOPLASTIC SKIP TRAF STRIPING, 5 IN, YELLOW	$	0.94	GLF	134.00	$	125.96

653-4830	THERMOPLASTIC SKIP TRAF STRIPING, 18 IN, WHITE	$	6.90	GLF	69.00	$	476.10
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	$	6.50	SY	77.00	$	500.50
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	$	8.00	SY	123.00	$	984.00
654-1001	RAISED PVMT MARKERS TP 1	$	6.70	EA	75.00	$	502.50
654-1003	RAISED PVMT MARKERS TP 3	$	6.70	EA	27.00	$	180.90
657-1110	PREFORMED PLASTIC SOLID PVMT MKG, 11 IN, CONTRAST (BLACK-WHITE), TP PB	$	17.20	LF	213.00	$	3,663.60
634-1200	RIGHT OF WAY MARKERS	$	287.00	EA	25.00	$	7,175.00
	LANDSCAPE ITEMS						
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	$	23.00	LF	240.00	$	5,520.00
682-6223	CONDUIT, NONMETL, TP 2, 3 IN	$	44.00	LF	240.00	$	10,560.00
702-9025	LANDSCAPE MULCH - 1" DEPTH	$	16.00	CY	400.00	$	6,400.00
766-7020	IRRIGATION SYSTEM	$	10,000.00	LS	1.00	$	10,000.00
	LIGHTING ITEMS						
680-4110	LIGHTING STD, 11-15 FT MH, POST TOP	$	4,230.00	EA	41.00	$	173,430.00
680-4225	LIGHTING STD, 26-30 FT MH	$	8,230.00	EA	8.00	$	65,840.00
680-5255	LUMINAIRE BRACKET ARM, 6FT	$	2,462.00	EA	8.00	$	19,696.00
680-6130	LUMINAIRE, TP 3, LED	$	2,723.00	EA	49.00	$	133,427.00
682-1504	CABLE, TP RHH/RHW, AWG NO 10	$	1.80	LF	12900.00	$	23,220.00
682-2110	ELECTRICAL SERVICE POINT	$	14,075.00	EA	2.00	$	28,150.00
682-2120	PULL BOX, TYPE 2	$	493.00	EA	2.00	$	986.00
682-6221	CONDUIT, NONMETAL, TP 2, 2 1/2 IN	$	11.90	LF	4300.00	$	51,170.00
682-9950	DIRECTIONAL BORE - 3 IN	$	40.60	LF	177.00	$	7,186.20
	EROSION CONTROL ITEMS						
163-0232	TEMPORARY GRASSING	$	1,205.00	AC	1.00	$	1,205.00
163-0240	MULCH	$	373.00	TN	40.00	$	14,920.00
163-0300	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	$	1,088.77	EA	1.00	$	1,088.77
163-0542	CONSTRUCT AND REMOVE STONE FILTER RING	$	631.00	EA	1.00	$	631.00
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	$	196.00	EA	2.00	$	392.00
163-1915	CONSTRUCT AND REMOVE COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	11.20	LF	345.00	$	3,864.00
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C (Sd1-S)	$	0.60	LF	5637.00	$	3,382.20
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	$	287.00	EA	1.00	$	287.00
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	$	115.00	EA	2.00	$	230.00
165-1500	MAINTENANCE OF COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	3.50	LF	345.00	$	1,207.50
167-1000	WATER QUALITY MONITORING AND SAMPLING	$	574.00	EA	3.00	$	1,722.00
167-1500	WATER QUALITY INSPECTIONS	$	574.00	MO	12.00	$	6,888.00
171-0030	TEMPORARY SILT FENCE, TYPE C (Sd1-S)	$	4.30	LF	5637.00	$	24,239.10
603-2181	STN DUMPED RIP RAP, TP 3, 18 IN	$	59.50	SY	32.00	$	1,904.00
603-7000	PLASTIC FILTER FABRIC	$	3.50	SY	32.00	$	112.00
643-8200	BARRIER FENCE (ORANGE), 4 FT (CoA Std L-6, Type B)	$	3.20	LF	4430.00	$	14,176.00
700-6910	PERMANENT GRASSING	$	1,430.00	AC	1.00	$	1,430.00
700-7000	AGRICULTURAL LIME	$	471.00	TN	2.00	$	942.00
700-8000	FERTILIZER MIXED GRADE	$	746.00	TN	1.00	$	746.00
700-9300	SOD - TIFTUF	$	8.60	SY	2412.00	$	20,743.20
716-2000	EROSION CONTROL MATS (JUTE BASED), SLOPES	$	1.40	SY	450.00	$	630.00

UTILITY ITEMS					
611-8120	ADJUST WATER METER BOX TO GRADE	$ 746.00	EA	2.00	$ 1,492.00
611-8140	ADJUST WATER VALVE BOX TO GRADE	$ 745.00	EA	5.00	$ 3,725.00
670-4000	FIRE HYDRANT	$ 4,569.00	EA	2.00	$ 9,138.00
670-9920	REMOVE EXISTING FIRE HYDRANT	$ 4,015.00	EA	1.00	$ 4,015.00
611-8050	ADJUST MANHOLE TO GRADE	$ 1,388.00	EA	7.00	$ 9,716.00
OTHER ITEMS					
999-9999	MISCELLANEOUS CONSTRUCTION	$ 250,000.00	LS	1.00	$ 250,000.00

GRAND TOTAL **$ 3,994,545.00**

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Sol Construction LLC

2 Business name/disregarded entity name, if different from above

NA

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☑ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ S

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

4120 Presidential Pjy Ste 115

Requester's name and address (optional)

6 City, state, and ZIP code

Atlanta GA30340

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

☐☐☐ - ☐☐ - ☐☐☐☐

or

Employer identification number

2 0 - 2 4 7 3 8 0 6

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶ [signature] Date ▶ 10-25-2022

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

Question Set 1: Acknowledgements

#	Question	Response	Comment
1.0.1	Addenda Acknowledgement, enter the number of addenda received: Response Type: Select 0, 1, 2, etc.	3	1
1.0.2	Insurance Requirement Acknowledgement, Response Type: Yes, No entry.	Yes	yes
1.0.3	Acknowledgment Payment and Performance Bond/ Retainage, Response Type: Yes, No entry.	Yes	yes
1.0.4	Acknowledgement of Contract and T&C review, Response Type: Yes, No entry	Yes	yes
1.0.5	Note any Exceptions to Contract T&Cs, Response Type: text entry.	none	
5 Questions			**100.00% Complete**

Question Set 2: Requested Information

#	Question	Response	Comment
2.0.1	Authorized signer for contract execution in DocuSign: Name, business title, email address, Response Type: Response Type: text entry.	Juliana Gomez, President jgomez@solconstructionllc.com 4120 Presidential Pky Ste 115 Atlanta GA 30340	
2.0.2	Legal notices contact needed for contracting: Business name and mailing address, contact name, Response Type: text entry.	Sol Construction LLC Juliana Gomez, President 4120 Presidential Pky Ste 115 Atlanta GA 30340	
2.0.3	Unique Entity ID / identifier used at SAM.gov, Response Type: alphanumeric entry	024511283	DUNS Number
2.0.4	Corporate secretary for contract execution in DocuSign: Name, business title, email address, Response Type: Response Type: text entry.	Jose Villegas, VP/Secretary jvillegas@solconstructionllc.com 4120 Presidential Pky Ste 115 Atlanta GA 30340	
2.0.5	Note the employee-number category for your company (all locations). Select either 500 or more employees, 100 or more employees, or less than 100 employees.	less than 100 employees	les than 100
5 Questions			**100.00% Complete**

SCHEDULE OF ITEMS
Webb Bridge Road Intersection Improvements - Maid Marion Close to Webb Bridge Park
ITB # 23-002

ADDENDUM #3: Supercedes any previous SOI. All Bidders must respond using this SOI. Posted 10-21-22.

Enter Bidder's Name:	Sol Construction				
Pay Item #	**Item Description**	**Unit Price**	**Unit**	**QTY**	**Total**
150-1000	TRAFFIC CONTROL	$ 184,300.00	LS	1.00	$ 184,300.00
632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	$ 11,800.00	EA	4.00	$ 47,200.00
210-0100	GRADING COMPLETE	$ 741,000.00	LS	1.00	$ 741,000.00
310-1101	GR AGGR BASE CRS, INCL MATL	$ 42.00	TN	1019.00	$ 42,798.00
318-3000	AGGR SURF CRS	$ 45.00	TN	40.00	$ 1,800.00
402-1802	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME	$ 467.50	TN	98.67	$ 46,128.23
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	$ 238.00	TN	743.51	$ 176,955.38
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	$ 232.00	TN	657.78	$ 152,605.60
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	$ 446.50	TN	158.20	$ 70,634.65
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	$ 453.00	TN	87.46	$ 39,621.03
413-1000	BITUM TACK COAT	$ 8.00	GL	876.82	$ 7,014.56
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	$ 11.00	SY	7070.51	$ 77,775.61
441-0104	CONC SIDEWALK, 4 IN	$ 41.60	SY	3328.00	$ 138,444.80
441-0108	CONC SIDEWALK, 8 IN	$ 93.50	SY	552.67	$ 51,674.65
441-0754	CONCRETE MEDIAN, 7 1/2 IN	$ 90.00	SY	985.61	$ 88,704.90
441-4020	CONC VALLEY GUTTER, 6 IN	$ 71.00	SY	85.19	$ 6,048.49
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	$ 20.50	LF	2082.41	$ 42,689.41
441-5004	CONCRETE HEADER CURB, 6 IN, TP 4	$ 26.00	LF	370.79	$ 9,640.54
441-5025	CONCRETE HEADER CURB, 4 IN TP 9	$ 23.00	LF	276.46	$ 6,358.58
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	$ 21.70	LF	2526.30	$ 54,820.71
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	$ 7.60	LF	1938.56	$ 14,733.06
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	$ 310.00	CY	36.58	$ 11,339.80
500-3201	CLASS B CONCRETE, RETAINING WALL	$ 698.00	CY	44.34	$ 30,949.32
500-3600	CLASS AAA CONCRETE, TRUCK APRON	$ 530.00	CY	71.00	$ 37,630.00
500-3900	CLASS B CONCRETE, INCL REINF STEEL	$ 964.50	CY	362.66	$ 349,785.57
515-2015	HANDRAIL - ALPHARETTA STANDARD	$ 126.00	LF	902.00	$ 113,652.00
999-9995	MANUFACTURE STONE VENEER	$ 39.70	SF	1158.24	$ 45,982.13
643-8210	WOOD FENCE - 1200020	$ 32.00	LF	234.84	$ 7,514.88
682-2150	PULL BOX, PB-5	$ 3,765.00	EA	6.00	$ 22,590.00
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	$ 23.00	LF	300.00	$ 6,900.00
900-0039	BRICK PAVERS	$ 22.80	SF	2336.38	$ 53,269.46
550-1150	STORM DRAIN PIPE, I5 IN, H 1-10	$ 74.50	LF	40.00	$ 2,980.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	$ 86.00	LF	1101.00	$ 94,686.00
550-4215	FLARED END SECTION 15 IN, STORM DRAIN	$ 1,990.00	EA	1.00	$ 1,990.00
573-9999	PERFORATED UNDERDRAIN, 6 IN	$ 27.80	LF	145.00	$ 4,031.00
600-0001	FLOWABLE FILL	$ 1,180.00	CY	13.42	$ 15,839.73
611-3000	RECONSTR CATCH BASIN, GROUP 1	$ 2,437.00	EA	1.00	$ 2,437.00
611-3030	RECONSTR STORM SEWER MANHOLE, TP 1	$ 2,650.00	EA	2.00	$ 5,300.00

611-8000	ADJUST CATCH BASIN TO GRADE	$	940.00	EA	2.00	$	1,880.00
611-8050	ADJUST MANHOLE TO GRADE	$	940.00	EA	4.00	$	3,760.00
668-1100	CATCH BASIN, GP 1	$	3,800.00	EA	11.00	$	41,800.00
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	$	521.50	LF	6.00	$	3,129.00
668-2105	DROP INLET, GP 1, SPCL DES	$	6,370.00	EA	7.00	$	44,590.00
668-2115	DROP INLET, GP 1, ADDL DEPTH, SPCL DES	$	671.00	LF	7.00	$	4,697.00
668-4300	STORM SEWER MANHOLE, TP 1	$	4,196.00	EA	4.00	$	16,784.00
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH CL 1	$	270.00	LF	3.00	$	810.00
682-2150	TP 5 PULL BOX	$	3,770.00	EA	7.00	$	26,390.00
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	$	23.00	LF	3080.00	$	70,840.00
682-9950	DIRECTIONAL BORE, 5 IN	$	40.00	LF	155.00	$	6,200.00
610-9001	REMOVE SIGN	$	120.50	EA	4.00	$	482.00
611-5551	RESET SIGN	$	241.00	EA	4.00	$	964.00
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	$	23.00	SF	146.00	$	3,358.00
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	$	25.00	SF	42.00	$	1,050.00
636-2070	GALV STEEL POSTS, TP 7	$	13.50	EA	276.00	$	3,726.00
636-2090	GALV STEEL POSTS, TP 9	$	13.50	EA	62.00	$	837.00
647-5230	SIGN ASSEMBLY, FLASHING SCHOOL, COMPLETE	$	7,940.00	EA	1.00	$	7,940.00
652-0105	PAVEMENT MARKING BIKE SHARED LANE SYMBOL	$	111.50	EA	2.00	$	223.00
652-5451	SOLID TRAF STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$	2,000.00	GLM	0.02	$	40.00
652-6501	SKIP TRAF STRIPE, HIGH BUILD WET WEATHER, 5 IN, WHITE	$	970.00	GLM	0.02	$	19.40
653-0120	THERMOPLASTIC PVMT MARKING ARROW, TP 2	$	146.00	EA	5.00	$	730.00
653-0230	THERMOPLASTIC PVMT MARKING WORD, TP 3A	$	515.00	EA	1.00	$	515.00
653-0296	THERMOPLASTIC PVMT MARKING WORD, TP 15	$	214.50	EA	4.00	$	858.00
652-0094	PVMT MARKING SYMBOL, TP 4	$	573.50	EA	1.00	$	573.50
653-1501	THERMOPLASTIC SOLID TRAF STRIPING, 5 IN, WHITE	$	0.94	LF	3969.00	$	3,730.86
653-1502	THERMOPLASTIC SOLID TRAF STRIPING, 5 IN, YELLOW	$	0.94	LF	4172.00	$	3,921.68
653-1704	THERMOPLASTIC SOLID TRAF STRIPING, 24 IN, WHITE	$	7.00	LF	89.00	$	623.00
653-1804	THERMOPLASTIC SOLID TRAF STRIPING, 8 IN, WHITE	$	3.30	LF	2417.00	$	7,976.10
653-3501	THERMOPLASTIC SKIP TRAF STRIPING, 5 IN, WHITE	$	0.94	GLF	269.00	$	252.86
653-3502	THERMOPLASTIC SKIP TRAF STRIPING, 5 IN, YELLOW	$	0.94	GLF	134.00	$	125.96
653-4830	THERMOPLASTIC SKIP TRAF STRIPING, 18 IN, WHITE	$	6.90	GLF	69.00	$	476.10
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	$	6.50	SY	77.00	$	500.50
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	$	8.00	SY	123.00	$	984.00
654-1001	RAISED PVMT MARKERS TP 1	$	6.70	EA	75.00	$	502.50
654-1003	RAISED PVMT MARKERS TP 3	$	6.70	EA	27.00	$	180.90
657-1110	PREFORMED PLASTIC SOLID PVMT MKG, 11 IN, CONTRAST (BLACK-WHITE), TP PB	$	17.20	LF	213.00	$	3,663.60
634-1200	RIGHT OF WAY MARKERS	$	287.00	EA	25.00	$	7,175.00
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	$	23.00	LF	240.00	$	5,520.00
682-6223	CONDUIT, NONMETL, TP 2, 3 IN	$	44.00	LF	240.00	$	10,560.00

702-9025	LANDSCAPE MULCH - 1" DEPTH	$	16.00	CY	400.00	$	6,400.00
766-7020	IRRIGATION SYSTEM	$	10,000.00	LS	1.00	$	10,000.00
680-4110	LIGHTING STD, 11-15 FT MH, POST TOP	$	4,230.00	EA	41.00	$	173,430.00
680-4225	LIGHTING STD, 26-30 FT MH	$	8,230.00	EA	8.00	$	65,840.00
680-5255	LUMINAIRE BRACKET ARM, 6FT	$	2,462.00	EA	8.00	$	19,696.00
680-6130	LUMINAIRE, TP 3, LED	$	2,723.00	EA	49.00	$	133,427.00
682-1504	CABLE, TP RHH/RHW, AWG NO 10	$	1.80	LF	12900.00	$	23,220.00
682-2110	ELECTRICAL SERVICE POINT	$	14,075.00	EA	2.00	$	28,150.00
682-2120	PULL BOX, TYPE 2	$	493.00	EA	2.00	$	986.00
682-6221	CONDUIT, NONMETAL, TP 2, 2 1/2 IN	$	11.90	LF	4300.00	$	51,170.00
682-9950	DIRECTIONAL BORE - 3 IN	$	40.60	LF	177.00	$	7,186.20
163-0232	TEMPORARY GRASSING	$	1,205.00	AC	1.00	$	1,205.00
163-0240	MULCH	$	373.00	TN	40.00	$	14,920.00
163-0300	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	$	1,088.77	EA	1.00	$	1,088.77
163-0542	CONSTRUCT AND REMOVE STONE FILTER RING	$	631.00	EA	1.00	$	631.00
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	$	196.00	EA	2.00	$	392.00
163-1915	CONSTRUCT AND REMOVE COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	11.20	LF	345.00	$	3,864.00
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C (Sd1-S)	$	0.60	LF	5637.00	$	3,382.20
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	$	287.00	EA	1.00	$	287.00
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	$	115.00	EA	2.00	$	230.00
165-1500	MAINTENANCE OF COMPOST FILTER SOCK, 18 IN (Sd1-NS)	$	3.50	LF	345.00	$	1,207.50
167-1000	WATER QUALITY MONITORING AND SAMPLING	$	574.00	EA	3.00	$	1,722.00
167-1500	WATER QUALITY INSPECTIONS	$	574.00	MO	12.00	$	6,888.00
171-0030	TEMPORARY SILT FENCE, TYPE C (Sd1-S)	$	4.30	LF	5637.00	$	24,239.10
603-2181	STN DUMPED RIP RAP, TP 3, 18 IN	$	59.50	SY	32.00	$	1,904.00
603-7000	PLASTIC FILTER FABRIC	$	3.50	SY	32.00	$	112.00
643-8200	BARRIER FENCE (ORANGE), 4 FT (CoA Std L-6, Type B)	$	3.20	LF	4430.00	$	14,176.00
700-6910	PERMANENT GRASSING	$	1,430.00	AC	1.00	$	1,430.00
700-7000	AGRICULTURAL LIME	$	471.00	TN	2.00	$	942.00
700-8000	FERTILIZER MIXED GRADE	$	746.00	TN	1.00	$	746.00
700-9300	SOD - TIFTUF	$	8.60	SY	2412.00	$	20,743.20
716-2000	EROSION CONTROL MATS (JUTE BASED), SLOPES	$	1.40	SY	450.00	$	630.00
611-8120	ADJUST WATER METER BOX TO GRADE	$	746.00	EA	2.00	$	1,492.00
611-8140	ADJUST WATER VALVE BOX TO GRADE	$	745.00	EA	5.00	$	3,725.00
670-4000	FIRE HYDRANT	$	4,569.00	EA	2.00	$	9,138.00
670-9920	REMOVE EXISTING FIRE HYDRANT	$	4,015.00	EA	1.00	$	4,015.00
611-8050	ADJUST MANHOLE TO GRADE	$	1,388.00	EA	7.00	$	9,716.00
999-9999	MISCELLANEOUS CONSTRUCTION	$	250,000.00	LS	1.00	$	250,000.00

GRAND TOTAL $ 3,994,545.00



THE CITY OF ALPHARETTA
PUBLIC WORKS

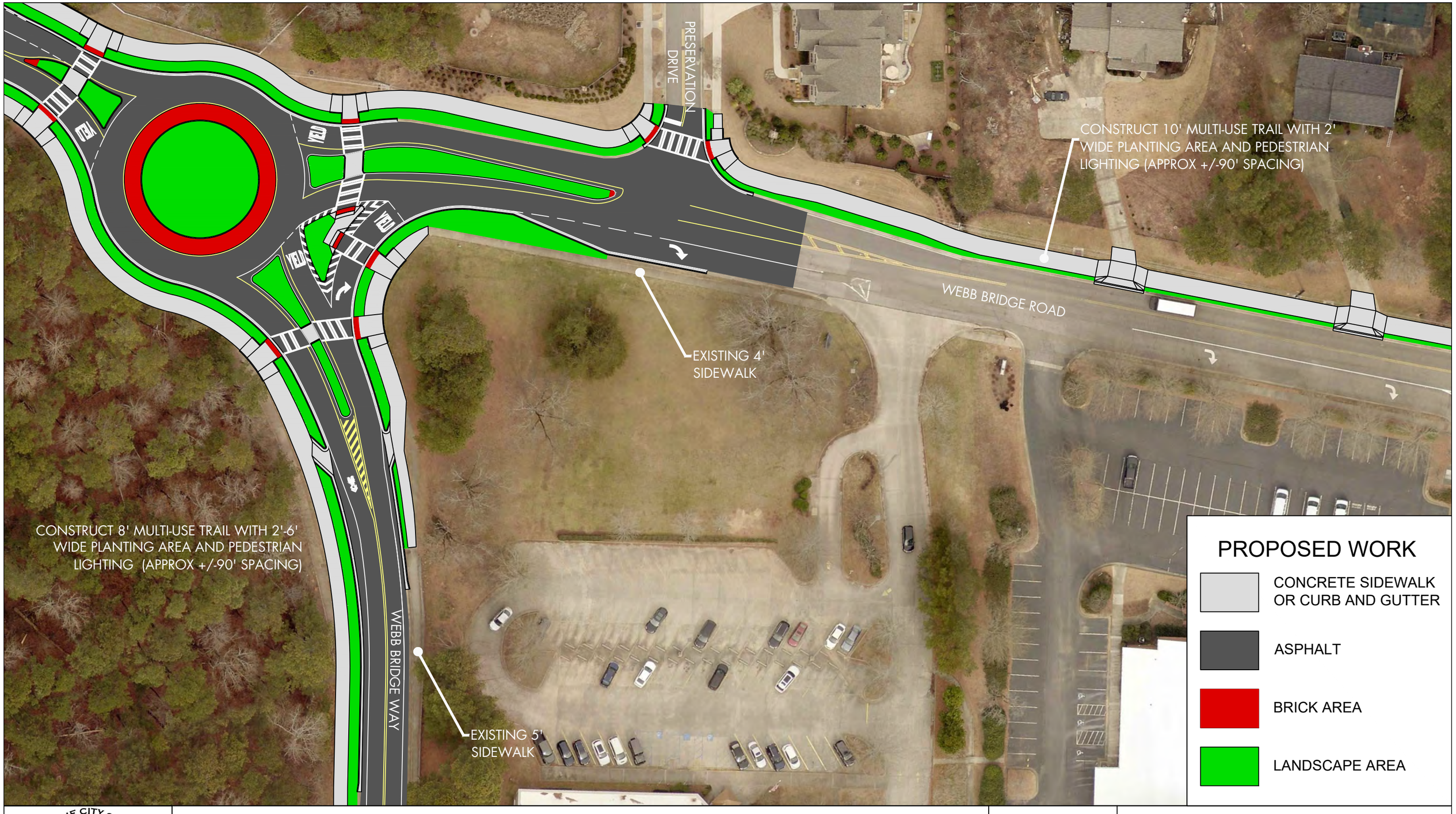
WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 2a

NOVEMBER 22, 2022

0 50' 100'

NORTH

SHEET 1 OF 6



THE CITY OF ALPHARETTA
PUBLIC WORKS

WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 2a

NOVEMBER 22, 2022

0 50' 100'

NORTH



THE CITY OF ALPHARETTA PUBLIC WORKS

WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 2a

NOVEMBER 22, 2022

0 50' 100'

NORTH

SHEET 3 OF 6



THE CITY OF ALPHARETTA
PUBLIC WORKS

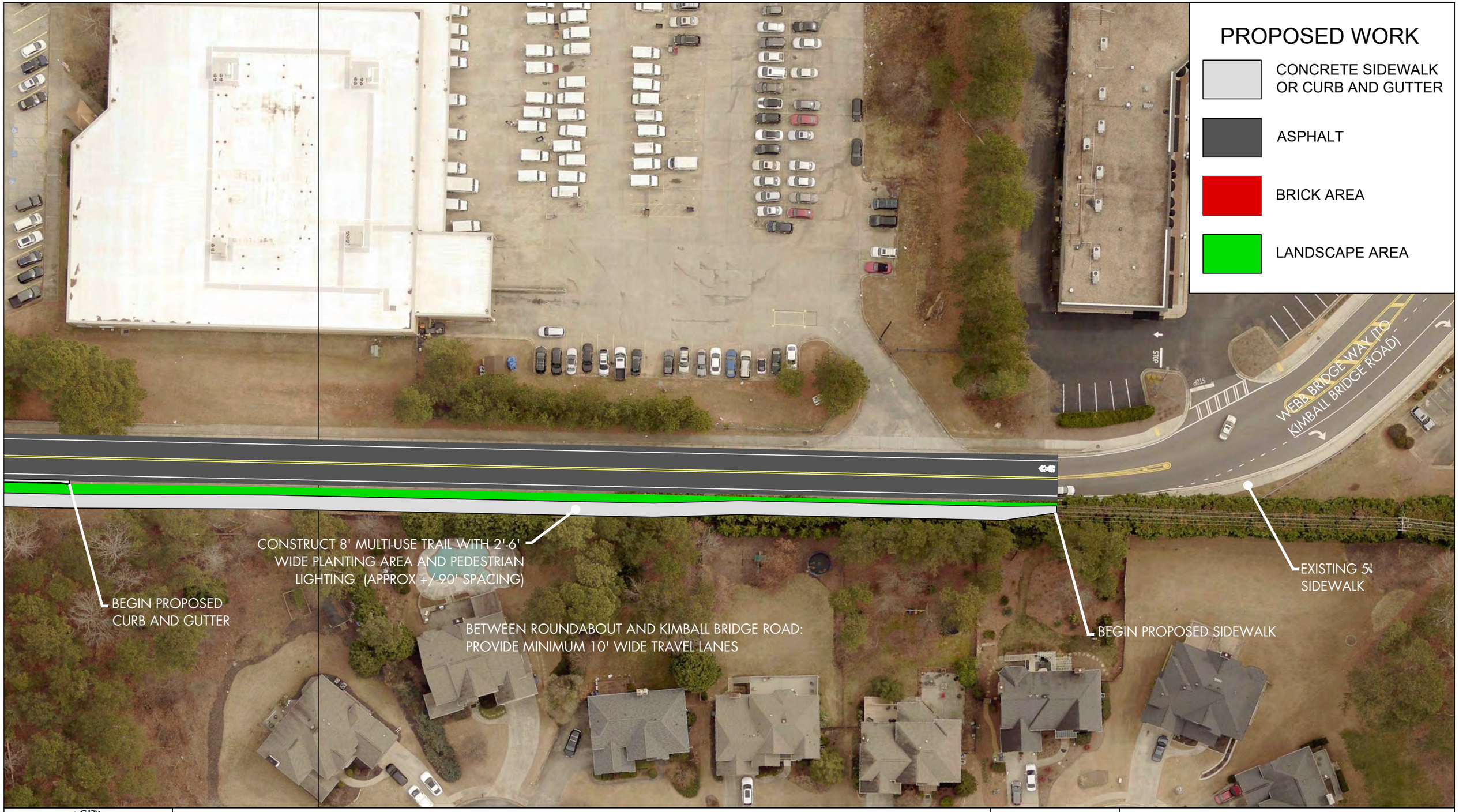
WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 2a

NOVEMBER 22, 2022

0 50' 100'

NORTH

SHEET 4 OF 6



THE CITY OF ALPHARETTA
PUBLIC WORKS

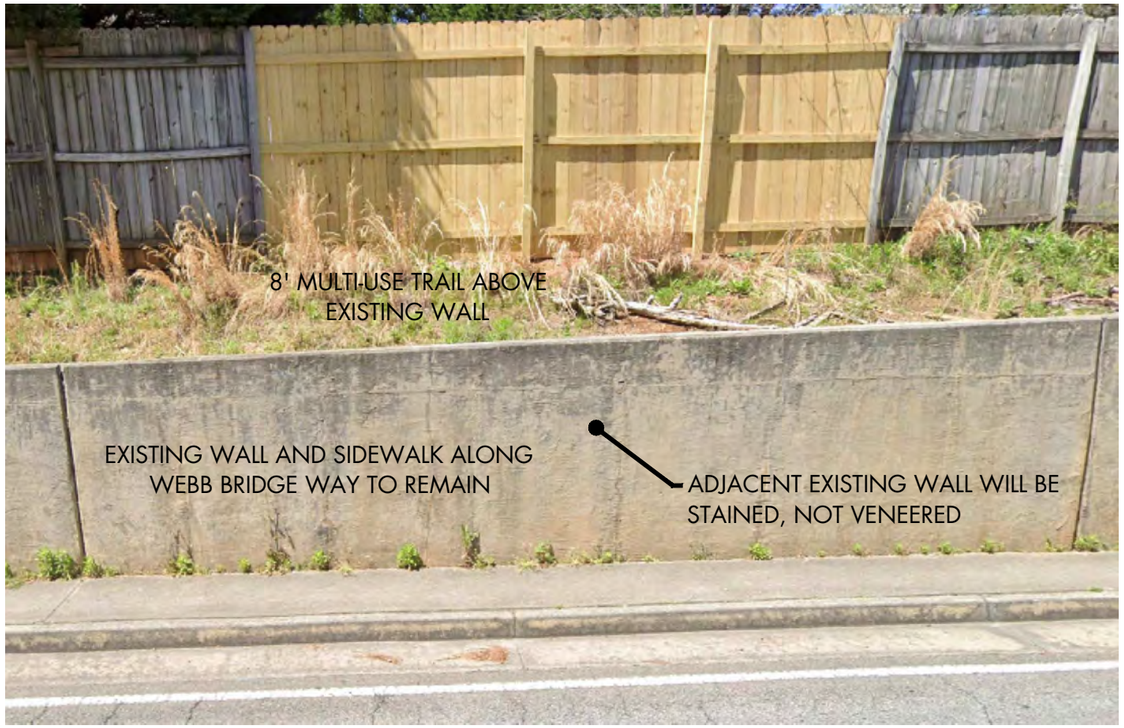
WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 2a

NOVEMBER 22, 2022

0 50' 100'

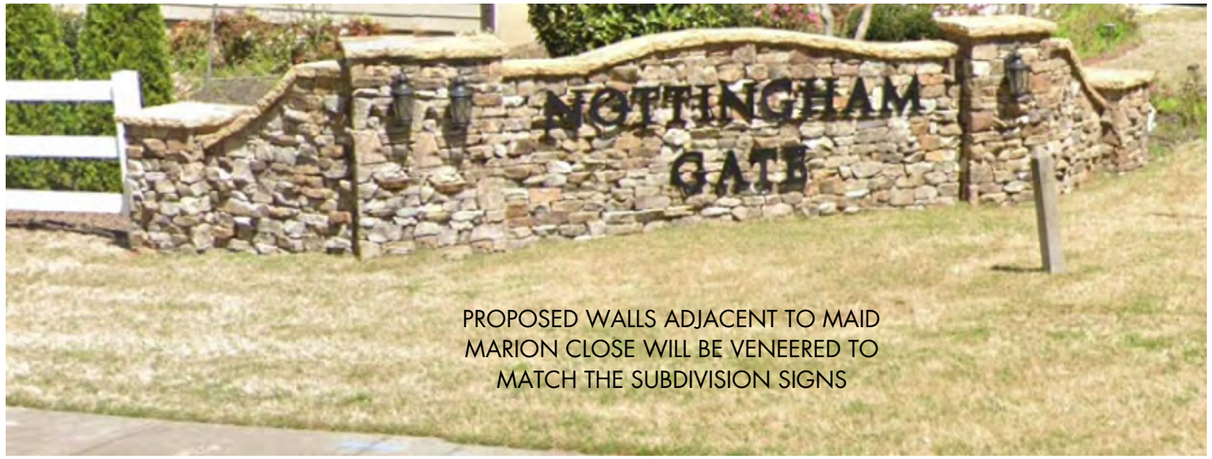
NORTH

SHEET 5 OF 6





PROPOSED WALLS ALONG WEBB BRIDGE WAY (TO KIMBALL BRIDGE ROAD) WILL BE VENEERED TO MATCH THE EXISTING WALL ALONG THE RIGHT TURN LANE FROM WEBB BRIDGE WAY TO KIMBALL BRIDGE ROAD



PROPOSED WALLS ADJACENT TO MAID MARION CLOSE WILL BE VENEERED TO MATCH THE SUBDIVISION SIGNS



PROPOSED WALLS ADJACENT TO PARKSIDE AVENUE WILL BE VENEERED TO MATCH THE SUBDIVISION COLUMNS

THE CITY OF ALPHARETTA
PUBLIC WORKS

WEBB BRIDGE ROAD IMPROVEMENT PROJECT - PHASE 2a

NOVEMBER 22, 2022

0 50' 100'

NORTH

SHEET 6 OF 6

STAFF REPORT

Submitting Department: Public Works
Submitted By: Dennis Roland
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: GRANT ACCEPTANCE: ENVIRONMENTAL PROTECTION DIVISION GRANT FOR WILLS PARK STREAM REFORESTATION

Consideration of the use of grant funds authorized under section 319(h) of the Federal Water Pollution Control Act administered through the Georgia Environmental Protection Division up to $200,000.00 toward buffer enhancement and native plantings along the tributary to Foe Killer Creek within Wills Park, and to authorize the Mayor to execute all necessary documents.

II. RECOMMENDATION:

Approve the use of grant funds authorized under section 319(h) of the Federal Water Pollution Control Act administered through the Georgia Environmental Protection Division up to $200,000.00 toward buffer enhancement and native plantings along the tributary to Foe Killer Creek within Wills Park, and authorize the Mayor to execute all necessary documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO

FISCAL IMPACT: NO

INCLUDED IN CURRENT FY CPTL BUDGET: NO

INCLUDED IN CURRENT FY OPRT. BUDGET: NO

TOTAL PROJECT COST: $200,000.00

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
NA	$0.00

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
GAEPD 319(h) grant	$200,000.00

IV. REPORT IN BRIEF:

The U.S. Environmental Protection Agency (USEPA) annually awards federal allocations from the Nonpoint Source Implementation Grant under Section 319(h) of the Clean Water Act to the Georgia Environmental Protection Division (EPD) that EPD, in turn, grants to local jurisdictions. The City of Alpharetta Public Works Department staff submitted a stream restoration project targeting a section of Foe Killer Creek located inside of Wills Park for available 319(h) grant funding through this EPD program. The grant would provide $200,000.00 towards approved projects pertaining to water quality with a $0 local match. In lieu of local match funding, in kind services provided by Public Works staff will be the only local match required if the grant request is approved.

Project description for grant funding:

Located within Wills Park, this section of Foe Killer Creek is currently grassed and mowed to the stream banks. The Foe Killer Creek Watershed Improvement Plan (WIP) identifies Measure 13a: Wills Park Stream Restoration (750 feet of buffer enhancement) as the #2 priority project. The WIP shows high dissolved solids and low dissolved oxygen at this location. The streamside vegetation will provide shade that will help keep temperatures cool, which in turn is expected to help dissolved oxygen levels. The dissolved solids are attributed to erosion that will be mitigated by streamside plantings. Reducing the dissolved solids is expected to reduce the fecal coliform bacteria levels. The City of Alpharetta Urban Forestry Manager will provide the design and construction management services as the in-kind match for this project. The City has two on-call landscape companies, secured through competitive bidding processes, that would be able to install the buffer vegetation. The final project would vegetate approximately 750 feet of stream with native trees and shrubs

along the stream.

EPD's requirement for the grant included projects that were identified as part of a WIP that utilized the US Environmental Protection Agency's (EPA) nine minimum elements for achieving improvements in water quality. This project is outlined in 2 of the City of Alpharetta planning documents: **Foe Killer Creek Watershed Improvement Plan (2015) and the Wills Park Master Plan (2019).** Both of these documents meet the EPD's requirements based on the EPA's 9 minimum elements. The EPD has recognized this and have awarded the City of Alpharetta the grant based on local acceptance and approval.

Grant Requirements:
All work proposed should be completed no later than March 31st, 2023.
All in kind design and contractor oversight should be recorded/logged for submission to EPD for local funding match.

The Public Works Department has already provided a design to the GAEPD and has received estimates from our on-call landscape vendors. The Public Works Department feels confident that work proposed in the scope will be completed within the grant requirements timeframe.

V. ALTERNATIVES:

1.Do not accept grant funding for buffer reforestation at Wills Park and utilize City of Alpharetta capital dollars through the budgeting process.
2.Leave the proposed reforested buffer as is.

VI. ATTACHMENTS:

319h Grant Contract Template, EPD Grant Award Funding Letter, Proposed Reforested Buffer Landscape Plan, Cost Estimate

STATE OF GEORGIA
COUNTY OF FULTON

CONTRACT BETWEEN

THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION

AND THE

City of Alpharetta

FOR

WILLS PARK STREAM BUFFER PLANTING

This contract ("Contract") is made and entered into as of the date of the last signature hereunder [*or* "the _____ day of _____ 20XX" *if backdating*] (hereinafter called "Effective Date"), by and between the Georgia Environmental Protection Division, an agency of the State of Georgia; (hereinafter called "Division"), and City of Alpharetta, a Georgia municipal corporation (hereinafter called "Contractor"). The persons executing this Contract on behalf of the Contractor have authority to bind the Contractor to the terms of this Contract. The Director of the Division is authorized by law to execute this Contract.

WHEREAS, the Division desires to engage the Contractor to render certain services hereafter described in connection with an undertaking (hereinafter referred to as the "Project") which will be financed through grants authorized under Section 319 of the Federal Water Pollution Control Act Amendments of l987 and administered by the Division; and

WHEREAS, Contractor desires to perform such services for the Project.

NOW, THEREFORE, in consideration of the valuable and mutual benefits flowing to each party as described below, the parties hereto mutually agree as follows:

1. **Employment of Contractor**. The Division hereby agrees to engage the Contractor and the Contractor hereby agrees to perform these services hereinafter as set forth in fulfillment of this Contract.
2. **Scope of Work**. In performance of the Project, the Contractor shall conduct the work described in the scope of work identified in the attached Appendix A, hereby made a part of this Contract by reference.
3. **Term; Time of Performance**. The term ("Term") of this Contract shall commence upon the Effective Date and shall terminate upon the earlier of: i) the completion of the tasks identified in Appendix A: Scope of Work; or ii) March 31, 2023 (hereinafter referred to as "Termination Date"), unless sooner terminated by the Division or renewed by the Division in accordance with the provisions of this Contract. The services of the Contractor are to commence as soon as practicable after the Effective Date and shall be undertaken in accordance with the timeline for completion of tasks included in the attached Appendix B: Project Schedule, hereby made a part of this Contract by reference.

4. **Compensation**. Division agrees to pay Contractor compensation for the services performed under this Contract not to exceed Two-hundred thousand dollars and no cents, $200,000.00. Said compensation shall be paid in accordance with the budget described in the Scope of Work. Any changes to the amount of compensation to be provided by the Division to Contractor shall be made in a writing executed in accordance with the terms of Paragraph 23.

5. **In Kind Match**. N/A

6. **Method of Payment**. Division will pay Contractor for work performed under this Contract not to exceed the compensation described in Paragraph 4, and in accordance with the terms described in this Paragraph:

    a. Payment will only be made for the services described in Appendix A: Scope of Work; and

    b. Contractor shall be paid quarterly. No later than the 15th day of the month following close of the immediately preceding quarter, Contractor shall submit to the Division contact specified in Paragraph 36 an invoice for services rendered in that immediate preceding quarter, accompanied by a progress report describing the services performed and identifying the related items or tasks in the Scope of Work, specifying that the services have been performed in accordance with this Contract, and accompanied by any documentation, outputs, deliverables, or close-out reports; and

    c. The Contractor shall certify in writing the accuracy of each invoice. All invoices from the Contractor should show detailed line items referencing the costs of labor, materials, property, equipment, installation, services, incidentals, etc. All invoices should be signed and dated by authorized personnel as evidence of review and approval prior to submission to the Division for reimbursement; and

    d. The Division will review and approve or deny invoices within 30 days of receipt. Payment shall be made upon determination by the Division that Scope of Work items required by the Contract, including deliverables and reporting requirements of various categories and kinds of information for the period, are sufficient. Any invoice not approved by the Division shall not be paid; and

    e. Payment of the final 10 percent (%) shall not be due and payable until all Scope of Work items are completed and the Division has accepted and approved the final products, reports, and invoices.

7. **Credit**. Notwithstanding any other provision of this Contract, the Contractor acknowledges that the Division, as an agency of the State of Georgia, is prohibited from pledging the State's credit.

8. **Funding**. The Contractor acknowledges that this Contract is funded with a grant from the U.S. Environmental Protection Agency ("USEPA"). In the event that the Division determines that the source of payment no longer exists or is insufficient with respect to the Services, the Division shall terminate this Contract in accordance with the provisions of Paragraph 13.

    a. In the event of such termination, the Division shall remain obligated to pay for Services performed and accepted by the Division prior to such termination. All finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports prepared by the Contractor under this Contract shall become the property of the Division. Any use of incomplete documents shall be at the sole risk of the Division. The determination of the Division of the events stated above shall be conclusive.

    b. The Division shall provide notice in writing to Contractor as soon as practicable after

the Division determines that the source of payment no longer exists or is insufficient with respect to the services.

9. **Fair Share**. This Contract is being funded with a grant from the USEPA. It is the policy of the USEPA to ensure to the fullest extent possible that at least a negotiated "Fair Share" percentage of federal funds awarded to prime and subcontractors in support of USEPA programs be made available to Disadvantaged Business Enterprises ("DBE").
    a. The Contractor agrees to ensure to the fullest extent possible that at least 4% Minority Business Enterprises (MBE) and 4% Women Business Enterprises (WBE) of federal funds for contracts or subcontracts for supplies, construction, equipment or services are made available to organizations owned or controlled by socially and economically disadvantaged individuals, women and historically black colleges and universities.
    b. The Contractor agrees to include in its bid documents this 4% "Fair Share" percentage.
    c. To evaluate compliance with the "Fair Share" policy, the Contractor agrees to comply with the following six affirmative steps as appropriate:
        i. Including qualified minority and women businesses on solicitation lists;
        ii. Assuring that minority and women's businesses are solicited whenever they are potential sources;
        iii. Dividing total requirements, when economically feasible, into small tasks or quantities to permit maximum participation of minority and women's businesses;
        iv. Establishing delivery schedules, where the requirements of the work permit, which will encourage the participation by minority and women's businesses;
        v. Using the services and assistance of the U.S. Small Business Administration and the Office of Minority Business Enterprise of the U.S. Department of Commerce;
        vi. Requiring each party to a subagreement to take the affirmative steps outlined in paragraphs (i) through (ii) of this section.
    d. The Contractor must submit to the Division a certification that the six steps have been followed, along with documentation of the six steps that is sufficiently detailed to allow for satisfactory review and should document the efforts of solicitation taken such as; the name and address of MBE's/WBE's solicited, if advertised in newspaper show proof and indicate name of paper.
    e. The Contractor is required to submit semiannual reports of total Contract expenditures to the Division, which includes a separate total for MBE/WBE utilization.
10. **Taxes**. The State is exempt from Federal Excise Taxes, and no payment will be made for any taxes levied on Contractor's employee's wages. The Division is exempt from State and Local Sales and Use Taxes on the services. Tax Exemption Certificates will be furnished upon request. Contractor or an authorized subcontractor shall provide the Division with a sworn verification regarding the filing of unemployment taxes or persons assigned by Contractor to perform Services, which verification is incorporated herein by reference.
11. **Certification Regarding Sales and Use Tax**. By executing the Contract, the Contractor certifies it is either (a) registered with the State Department of Revenue, collects, and remits State sales and use taxes as required by Georgia law, including Chapter 8 of Title 48 of the Georgia Code; or (b) not a "retailer" as defined in O.C.G.A. Section 48-8-2. The Contractor also acknowledges that the Division may declare the Contract void if the above certification is false. The Contractor also understands that fraudulent certification may result in the Division

or its representative filing for damages for breach of contract.

12. **Termination of Contract for Cause**. If, through any cause other than force majeure, the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the Division shall thereupon have the right to terminate this Contract by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least fifteen (15) days before the effective date of such termination.

    a. In that event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports prepared by the Contractor under this Contract shall become the property of the Division, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials in which funds were accrued or encumbered up to the actual date of termination.

    b. Notwithstanding the above, the Contractor shall not be relieved of liability to the Division for damages sustained by the Division by virtue of any breach of this Contract by the Contractor, and the Division may withhold any payments to the Contractor for the purpose of setoff until such time as the exact amount of damages due the Division from the Contractor is determined.

13. **Termination of Contract for Convenience**. The Division may terminate this Contract at any time for good reason by giving at least thirty (30) days written notice to the Contractor of such termination and specifying the effective date.

    a. In that event, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports prepared by the Contractor under this Contract shall become the property of the Division, and the Contractor shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials in which funds were accrued or encumbered up to the actual date of termination.

    b. If this Contract is terminated as provided herein, the Contractor will be paid an amount which bears the same ratio to the total compensation as the services actually performed bear to the total services of the Contractor covered by this Contract, less payments of compensation previously made.

14. **Release of Materials Pursuant to the Georgia Open Records Act**. All products, reports, information, data, etc., given to, derived from, prepared by, or assembled by the Contractor (the "Materials") in the performance of this Contract shall be governed by the Georgia Open Records Act. Unless otherwise required by applicable law, the Contractor shall not release or deliver any Materials to the general public or to local officials pursuant to a written or oral request under the Georgia Open Records Act. Division expressly acknowledges and agrees that Contractor is an "agency" as defined in O.C.G.A. § 50-18-70 and is consequently subject to the Georgia Open Records Act. Contractor shall inform the Division in writing if it receives any requests for the Materials pursuant to the Georgia Open Records Act.

15. **Assignability**. Contractor shall not transfer or assign all or any of its right, title or interest in this Contract or delegate any of its duties or obligations hereunder without the prior written consent of the Division. The Division may transfer or assign all or any of its right, title or interest in this agreement to another agency or authority of the State of Georgia without written notice to Contractor.

16. **Interest of Contract**. The Contractor covenants that it presently has no interest and shall not

acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance required under the Contract. It is specifically agreed and understood that for the purposes of this Contract, the Contractor shall be an independent contractor and nothing in this Contract shall be construed as creating a joint venture, partnership or employment relationship between the parties.

17. **Copyrights**. No reports, maps, or other documents produced or derived in whole or in part under this Contract shall be the subject of an application for copyright by or on behalf of the Contractor. Any such reports, maps and other documents shall constitute a "work made for hire" pursuant to the U.S. Copyright Act of 1976, as amended, and Contractor agrees that the Division is the original and sole owner of all rights, including without limitation copyright, in and to such reports, maps and other documents. If for any reason such reports, maps, and other documents are found not to be "works made for hire," then Contractor hereby assigns to the Division all right, title and interest in and to such reports, maps and other documents without further consideration of any kind. Contractor agrees to execute all further documents and to take all further steps deemed advisable by the Division to secure and protect the Division's rights as stated herein.

18. **Documents**. Provided that Contractor has been paid for the Services, the Division shall have the right to use the documents, maps, photographs, drawings and other materials (including but not limited to models, software or other digital work products) resulting from Contractor efforts on this Contract. Contractor acknowledges that, in accordance with the Contract, the Division is the original and sole owner of all rights in and to such documents, maps, photographs, drawings and other such materials including but not limited to models, software or other digital work products. Division acknowledges that the reuse of any such materials by Division on any extension of this project or any other project shall, with the exception of the obligations of Contractor, be at Division's sole risk unless otherwise agreed to in writing by all parties. Contractor shall have the right to retain copies of all such materials.

19. **Identification of Documents and Projects**. All construction or demonstration projects, reports, maps, signage and other documents completed as a part of this Contract, other than documents exclusively for internal use within the Division shall give the Contractor recognition and carry the following notation on a conspicuous sign or the front cover or a title page (or in the case of maps, in the same block) containing the name of the Division:

    "The preparation of this report, map, document, project, etc., was financed in part through a grant from the U.S. Environmental Protection Agency under the Provisions of Section 319(h) of the Federal Water Pollution Control Act, as amended."

    Together with the month and year, the document was prepared and credit being given to the Environmental Protection Division of the Department of Natural Resources, State of Georgia.

20. **Intellectual Property**. The Contractor agrees it will not use the name or any intellectual property, including but not limited to, the Division's trademarks or logos in any manner, including commercial advertising or as a business reference, without the express prior written consent of the Division.

21. **Personnel**. The Contractor represents that it has, or will secure, all personnel required in performing the Services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the Division.

    a. All the Services required hereunder will be performed by the Contractor or under its supervision, and all the personnel engaged in the work shall be fully qualified and shall be authorized under state and local law to perform such services.

b. None of the work or Services covered by this Contract shall be subcontracted without the prior written approval of the Division contact specified in Paragraph 36.

c. The Division, or its authorized representatives, shall have the right to enter into the premises of Contractor and/or all subcontractors, or any places where duties under this Contract are being performed, to inspect, monitor, or otherwise evaluate the performance under this Agreement.

22. **Right to Audit and Access to Records**. The Contractor shall maintain books, records and documents in accordance with generally accepted accounting principles and procedures and which sufficiently and properly document and calculate all charges billed to the Division throughout the term of the Contract for a period of at least five (5) years following the date of final payment or completion of any required audit, whichever is later. Records to be maintained include both financial records and service records. The Contractor shall permit the Auditor of the State of Georgia or any authorized representative of the State, and where federal funds are involved, the Comptroller General of the United States, or any other authorized representative of the United States government, to access and examine, audit, excerpt and transcribe any directly pertinent books, documents, papers, electronic or optically stored and created records or other records of the Contractor relating to orders, invoices or payments or any other documentation or materials pertaining to the Contract, wherever such records may be located during normal business hours. The Contractor shall not impose a charge for audit or examination of the Contractor's books and records. If an audit discloses incorrect billings or improprieties, the Division reserves the right to charge the Contractor for the cost of the audit and appropriate reimbursement. Evidence of criminal conduct will be turned over to the proper authorities.

23. **Entire Agreement; Modification**. This Contract represents the sole and complete understanding of the terms of the Contract between the parties hereto with respect to the subject matter contained herein and supersedes all prior agreements and understandings, oral or written, with respect thereto. No modification or amendment to this Contract will be binding on either party hereto unless such modification or amendment is reduced to a writing executed by both parties. Any changes in the scope and/or duration of this Contract shall be mutually agreed upon by and between the Division and the Contractor in a writing executed in accordance with this Paragraph.

24. **Warranty**. The Contractor warrants to the Division that the Services will be performed in a workmanlike manner, consistent with that level of care and skill ordinarily exercised by other providers of similar services and with sound principles commonly used by similar professionals under similar circumstances at the time the Services are provided and further warrants that the work will be performed as intended and described in the Scope of Work.

    a. Contractor warrants that he has not employed or retained any company or person, other than a bona fide employee working solely for him, to solicit or secure this Contract and that he has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for him, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or the making of this Contract.

25. **Indemnification.** The Contractor agrees to indemnify and hold harmless the State and State officers, employees, agents, and volunteers (collectively, "Indemnified Parties") from any and all costs, expenses, losses, claims, damages, liabilities, settlements and judgments, including reasonable value of the time spent by the Attorney General's Office, related to or arising from:

    a. Any negligent or wrongful act or omission of the Contractor or any employee, agent or

subcontractor utilized or employed by the Contractor;

b. The negligence or fault of the Contractor in design, testing, development, manufacture, or otherwise with respect to the Services provided under the Agreement;

c. The Contractor's negligent performance or attempted performance of the Contract, including any employee, agent or subcontractor utilized or employed by the Contractor;

d. Any failure by the Contractor to make all reports, payments and withholdings required by federal and state law with respect to social security, employee income and other taxes, fees or costs required by the Contractor to conduct business in the State of Georgia or the United States;

e. Any infringement of any copyright, trademark, patent, trade dress, or other intellectual property right, or

f. Any failure by the Contractor to adhere to the confidentiality provisions of this Contract.

26. **Indirect Damages.** Each party hereby waives its rights to recover from the other party any consequential, indirect, or incidental damages (including but not limited to, loss of use, income, profits, financing, or reputation), arising out of, or relating to, this agreement of the performance of the services or both.

27. **Use of Third Party Data.** The Division has requested that the Contractor obtain certain facts, information, data, assumptions, opinions and representations (collectively, "Items") from third parties as part of its scope of services. The Division understands and agrees that (i) the products of its services that the Contractor provides (collectively, "Products") may be based in part or in whole on Items that have not been verified by the Contractor, (ii) the Contractor has no obligation or duty to verify the accuracy or completeness of the Items and (iii) the Contractor makes no representation(s) or warranty(ies), express or implied, with respect to the Items or the Products (other than the Products were prepared in accordance with the standard of care to which the contractor is subject, as set forth elsewhere in this contract), all of which representation(s) and warranty(ies) are hereby disclaimed, including, without limitation, the warranties of merchantability and fitness for a particular purpose. The Division hereby releases the Contractor from any and all claims, damages, losses, expenses and liabilities of every kind and nature whatsoever, including reasonable attorneys' fees and defense costs, arising out of the use of Items by the Contractor in performing its services under this contract, including, without limitation, the preparation and delivery of the Products to the Division.

28. **Compliance with the Georgia Security and Immigration Compliance Act.** Contractor Certifies that it will comply with O.C.G.A. § 13-10-91 relating to the verification of the status of newly hired employees as incorporated herein by reference.

29. **Federally-Mandated Certifications and Disclosures**.

    a. **Lobbying**

        i. Disclosure Regarding Lobbying: Contractor hereby warrants as a condition of this Contract that if it is an organization described in Section 501(c)(4) of the Internal Revenue Code of 1986, it will not engage in lobbying activities prohibited by the Lobbying Disclosure Act of 1985.

        ii. Certification Regarding Lobbying: Contractor certifies to the best of its knowledge and belief that:

            1. No Federal appropriated funds have been paid in full or will be paid, by or on behalf of Contractor, to any person for influencing or attempting to

influence an officer or employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this contract, then Contractor shall fully disclose same to the Division, and shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.

b. **Drug Free Work Place**: Contractor certifies that, in accordance with the provisions of O.C.G.A. § 50-24-1, *et seq*., a drug-free workplace will be provided to Contractor's employees during the performance of this contract; and it will secure from any subcontractor hired to work in a drug-free workplace the following written certification: "As part of any subcontracting agreement (Subcontractor's Name), certifies to Contractor that a drug-free workplace will be provided for the subcontractor's employees during the performance of this Contract pursuant to paragraph 7 of subsection (b) of Code 50-24-3."

c. **Debarment, Suspension, and Other Responsibility Matters**:

   i. The Contractor certifies that it and its principles:

      1. Are not presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency.

      2. Have not, within a three-year period preceding this contract, been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction or contract under a public transaction; violation of Federal or State antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

      3. Are not presently indicted for or otherwise criminally or civilly charged by a government entity with commission of any of the above offenses.

      4. Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.

   ii. Where the Contractor is unable to certify to any of the statements in this certification, such Contractor shall attach an explanation to this contract.

d. **Equal Employment Opportunity**: The Contractor will not discriminate against any employee for employment because of race, color, religion, sex or national origin. The Contractor will comply with all sections of Executive Order 11246 - Equal Employment Opportunity.

e. **Audit Requirement**: A non-Federal entity that expends $750,000 or more during the non-Federal entity's fiscal year in Federal awards must have a single or program-specific audit conducted for that year in accordance with the provisions of Subpart F, Part 200, Chapter II of Subtitle A, Title 2, Code of Federal Regulations.

30. **General Federal Grant Conditions**. All covenants, agreements and stipulations in Part 200 Chapter II of Subtitle A, Title 2, Code of Federal Regulations, are incorporated herein by reference. The parties acknowledge those general grant conditions and intend that all those covenants, agreements, and stipulations between the U.S. Environmental Protection Agency and the Division, with the exception of the provision for compliance with the Davis-Bacon Act, are applicable to and enforceable against the Contractor. Allowable costs will be determined in accordance with the cost principles in the hereto referenced Code of Federal Regulations.

    a. The Contractor will assure the continued proper operation and maintenance of all nonpoint source management practices that have been implemented for projects funded under this agreement. Such practices shall be operated and maintained for the expected lifespan of the specific practice and in accordance with commonly accepted standards. The Contractor shall include a provision in every applicable sub-agreement (contract) awarded under this grant requiring that the management practices for the project be properly operated and maintained.

    b. The Contractor agrees to ensure that all necessary permits (such as Clean Water Act § 404) are obtained prior to implementation of any grant funded activity that may fall under applicable federal, state or local laws. The Contractor project implementation plan must identify permits that may be needed to complete activities identified in Appendix A: Scope of Work. The Contractor must keep documentation regarding necessary permits in the project file.

31. **Israel**. The Contractor certifies that the Contractor is not currently engaged in, and agrees for the duration of this Contract not to engage in, a boycott of Israel, as defined in O.C.G.A. § 50-5-85.

32. **Applicable Law**. The parties agree that this agreement and all rights, privileges and responsibilities shall be interpreted and construed according to the laws of the State of Georgia.

33. **No Waiver**. The failure of the Division at any time to require performance by the Contractor of any provision hereof, shall in no way affect the right of the Division thereafter to enforce that same provision or any part of the Contract, nor shall the failure of the Division to enforce any breach of any provision hereof be taken or held to be a waiver of such provision, or as a waiver, modification or rescission of the Contract itself.

34. **Counterparts; Electronic Signature**. This Contract may be executed in two (2) counterparts each of which is deemed an original of equal dignity with the other and which is deemed on and the same instrument as the other. The Division and Contractor agree that any electronic signatures on this Contract hereto constitute original, valid signatures pursuant to the Uniform Electronic Transactions Act, O.C.G.A. § 10-1-21 *et seq*.

35. **Severability**. If any one or more of the provisions of this Contract are for any reason be held by any court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability will not affect any other provision, and this Contract will be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.

36. **Notice**. All notices, correspondence requests, demands, waives and other communications

required or permitted to be given under this Contract shall be made in writing and shall be deemed to have been duly given if delivered by U.S. Mail, postage paid, sent by nationally recognized overnight courier, or by electronic-mail to the contacts as follows:

If to the Division:
NAME
TITLE
ADDRESS
PHONE
EMAIL

If to Contractor:
NAME
TITLE
ADDRESS
PHONE
EMAIL

IN WITNESS WHEREOF the Division and the Contractor have executed this Contract on the day and year below written.

The Environmental Protection Division of the Department of Natural Resources, State of Georgia

Richard E. Dunn
Director
Date:

[City of Alpharetta]

Print name: Jim Gilvin
Title: Mayor, City of Alpharetta
Date:

APPROVED AS TO CONTENT:

By: _____

Chris Lagerbloom, City Administrator

APPROVED AS TO FORM:

By: _____
City Attorney

DATE: _____

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

RICHARD E. DUNN, DIRECTOR

WATERSHED PROTECTION BRANCH
2 MARTIN LUTHER KING, JR. DRIVE
SUITE 1470A, EAST TOWER
ATLANTA, GEORGIA 30334
404-463-1511

November 2, 2022

Mr. Peter Sewczwicz
Director of Public Works
City of Alpharetta
2 Park Plaza
Alpharetta, GA 30009

Dear Mr. Sewczwicz:

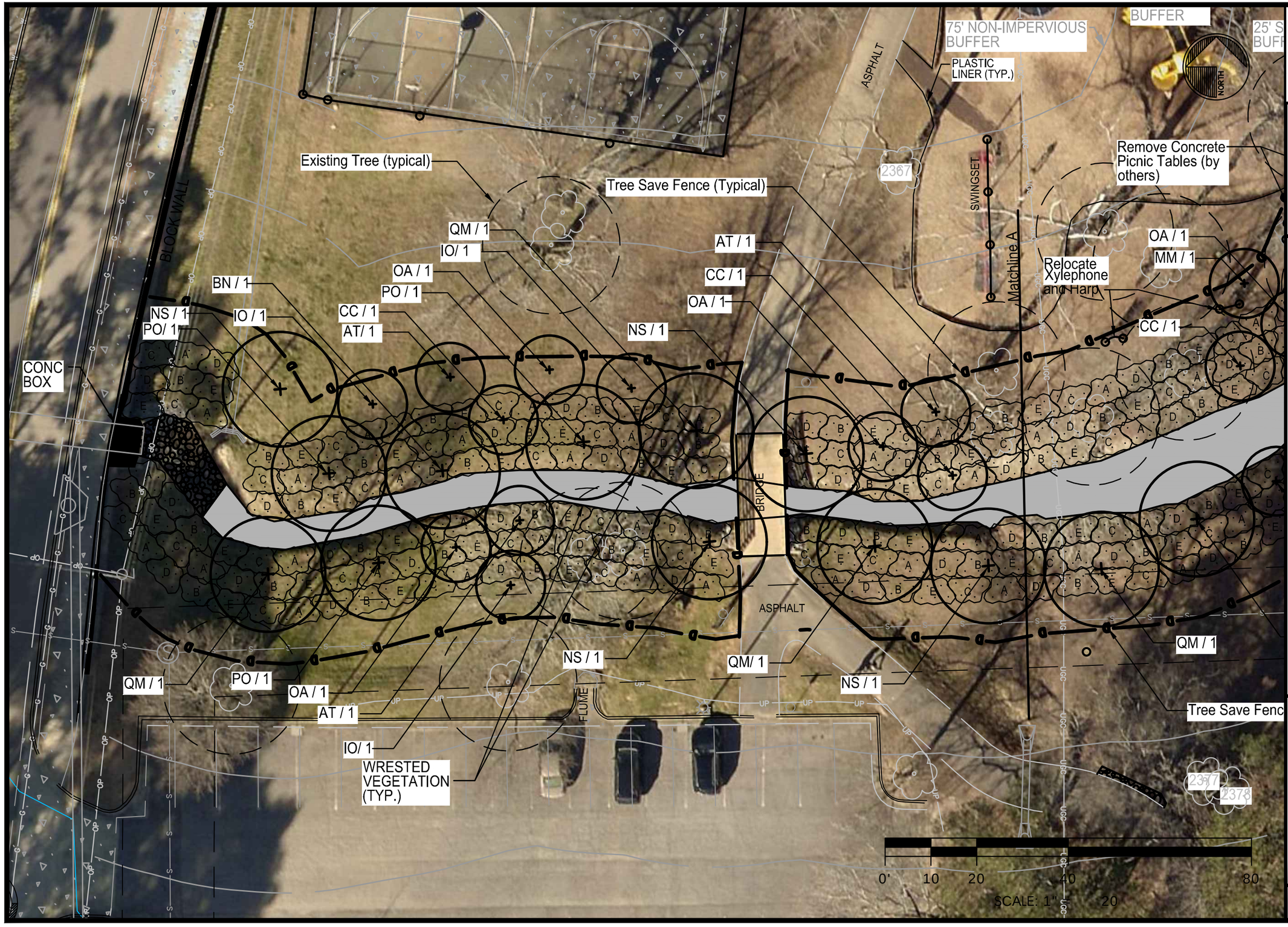
Thank you for your recent communications to the Georgia Environmental Protection Division (GAEPD) about watershed restoration opportunities in Wills Park. Using grant funds authorized under Section 319(h) of the Federal Water Pollution Control Act Amendments of 1987, GAEPD is committed to providing up to $200,000 toward buffer enhancement and native plantings along the tributary to Foe Killer Creek. This project will not require a specific match percentage; any in-kind personnel time and fringe will satisfy all match requirements.

Funding for this project is contingent upon approval of the final scope of work by the U.S. Environmental Protection Agency, and successful completion of the grant contract between GAEPD and the City of Alpharetta. GAEPD aims to finalize contract negotiations as soon as possible to complete this project by March 31, 2023.

GAEPD looks forward to working with the City of Alpharetta on this project to improve water quality and address nonpoint source pollution in your watershed.

Sincerely,

Joy Hinkle
Grants Unit Manager
Nonpoint Source Program
Watershed Protection Branch



THE CITY OF ALPHARETTA
PUBLIC WORKS
1790 Hembree Road
Alpharetta, Georgia
30009
Phone: 678-297-6200
Fax: 678-297-6201

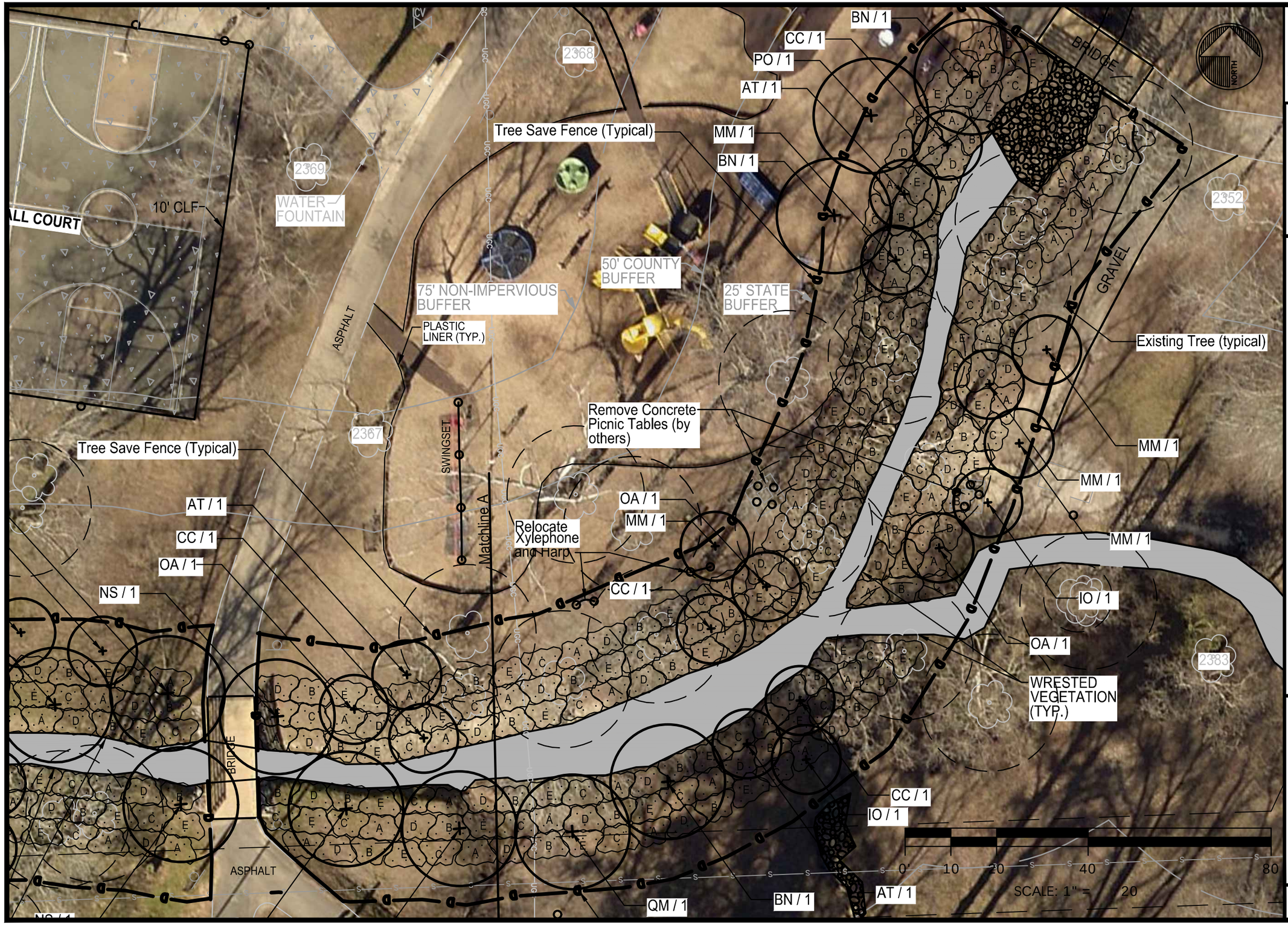
L-1 PLANTING PLAN

WILLS PARK STREAM REFORESTATION

CITY OF ALPHARETTA, FULTON COUNTY, GEORGIA

REVISIONS

ORIGINAL ISSUE DATE:
November 21, 2022



THE CITY OF
ALPHARETTA
PUBLIC WORKS

1790 Hembree Road
Alpharetta, Georgia
30009
Phone: 678-297-6200
Fax: 678-297-6201

L-2 PLANTING PLAN

WILLS PARK
STREAM REFORESTATION

CITY OF ALPHARETTA, FULTON COUNTY, GEORGIA

REVISIONS

ORIGINAL ISSUE DATE:
November 21, 2022

UTILITY NOTE: ALL TREES MUST BE PLANTED A MINIMUM OF 5 FEET FROM ANY UTILITY LINE AND OR EASEMENTS, UNLESS APPROVED BY THE CITY ARBORIST OR UTILITY PROVIDER.

PLANT SCHEDULE

KEY	LATIN NAME	COMMON NAME	SIZE & PLANTING SPECS	Qty
OVERSTORY TREES				
BN	Betula nigra	River Birch	3" caliper, Single Stem, full and balanced canopy	4
NS	Nyssa sylvatica	Tupelo	3" caliper, full and balanced canopy	4
PO	Platanus occidentalis	American Sycamore	3" caliper, full and balanced canopy	4
QM	Quercus michauxii	Swamp Chestnut Oak	3" caliper, full and balanced canopy	4
UNDERSTORY TREES				
AT	Asimina triloba	Paw Paw	3" caliper, full and balanced canopy	5
CC	Carpinus caroliniana	Hophornbeam	3" caliper, full and balanced canopy	5
IO	Ilex opaca	American Holly	3" caliper, full and balanced canopy	5
MM	Magnolia macrophylla	Big Leaf Magnolia	3" caliper, full and balanced canopy	5
OA	Oxydendrum arboreum	Sourwood	3" caliper, full and balanced canopy	5
SHRUBS/GRASSES				
A	Chasmanthium latifolium	River Oats	1 gal, full, planted 24" o.c.	315
B	Itea virginica 'Henry's Sweetspire'	Virginia Sweetspire	3 gal, full, planted 36" o.c.	315
C	Myrica cerifera 'Don's Dwarf'	Don's Dwarf Wax Myrtle	3 gal, full, planted 36" o.c.	310
D	Saururus cernuus	Lizard's Tail	7 gal, full, planted 5' o.c.	315
E	Thelypteris palustris	Marsh Fern	1 gal, full, planted 24" o.c.	310
OTHER				
	Salix nigra	Live Staking	Live willow stakes (Salix nigra), 2'-3' length, placed in streambank 3' on center, 2 rows staggered, per detail	518
		Tree Save Fence	4' height, orange safety fence	960 LF
		Bed Prep incl. spray out, compost, and mulch		20,038 SF

PLANTING NOTES:

- See specifications Section 02900 - Landscaping, pertaining to this set of plans.
- Unless otherwise stated, all trees must have a single central leader and a full and uniform canopy.
- Trees shall be planted during dormant season, November 1-February 28.

811 Know what's below Call before you dig

THE CITY OF ALPHARETTA
PUBLIC WORKS
1790 Hembree Road
Alpharetta, Georgia
30009
Phone: 678-297-6200
Fax: 678-297-6201

L-7 PLANTING SCHEDULE

WILLS PARK
STREAM REFORESTATION
CITY OF ALPHARETTA, FULTON COUNTY, GEORGIA

REVISIONS

ORIGINAL ISSUE DATE:
November 15, 2022

Wills Park Stream Reforestation - Cost Estimate

Job Name: _____ **Contact:** Will Eberly

Wills Park

Location: _____ **Phone No:** _____

Alpharetta, GA 30004 **Email:** weberly@alpharetta.ga.us

Cell/Fax No: _____

ITEM	MATERIALS QTY	MATERIALS UNIT PRICE INCLUDING MARKUP, BED PREP, AND MAINTENANCE THROUGH ESTABLISHMENT	TOTAL MATERIALS COST (QTY X UNIT PRICE	TOTAL LABOR BASED ON LINE ITEM QTY	TOTAL MATERIALS + OTHER COSTS + TOTAL LABOR
Installation of Betula nigra / River Birch, 3" caliper, full and balanced canopy,	4	$ 465.64	$ 1,862.56	$ 457.74	$ 2,320.30
Installation of Nyssa sylvatica / Tupelo, 3" caliper, full and balanced canopy	4	$ 863.16	$ 3,452.64	$ 457.74	$ 3,910.38
Installation of Platanus occidentalis / Sycamore, 3" caliper, full and balanced canopy	4	$ 600.01	$ 2,400.04	$ 457.74	$ 2,857.78
Installation of Quercus michauxii / Swamp Chestnut Oak, 3" caliper, full and balanced canopy	4	$ 600.75	$ 2,403.00	$ 457.74	$ 2,860.74
Installation of Asimina triloba / Paw Paw, 3" caliper, full and balanced canopy	5	$ 735.13	$ 3,675.65	$ 572.18	$ 4,247.83
Installation of Carpinus caroliniana / Hophornbeam, 3" caliper, full and balanced canopy	5	$ 852.09	$ 4,260.45	$ 572.18	$ 4,832.63
Installation of Ilex opaca / American Holly, 8'-10' height, full and balanced canopy	5	$ 648.71	$ 3,243.55	$ 572.18	$ 3,815.73
Installation of Magnolia macrophylla / Big Leaf Magnolia, 6'-8' height, full and balanced canopy	5	$ 515.55	$ 2,577.75	$ 572.18	$ 3,149.93
Installation of Oxydendrum arboreum / Sourwood, 3" caliper, full and balanced canopy	5	$ 740.47	$ 3,702.35	$ 572.18	$ 4,274.53
Installation of Chasmanthium latifolium / River Oats, 1 gal, full body	315	$ 23.73	$ 7,474.95	$ 807.52	$ 8,282.47
Installation of Itea virginica 'Henry's Garnet' / Henry's Garnet Sweetspire, 1 gal, full body, self supporting main stems	315	$ 32.35	$ 10,190.25	$ 807.52	$ 10,997.77
Installation of Myrica cerifera 'Don's Dwarf' / Don's Dwarf Wax Myrtle, 3 gal, full body, self supporting main stems	310	$ 47.10	$ 14,601.00	$ 807.52	$ 15,408.52
Installation of Saururus cernuus / Lizard's Tail, 1 gal, full body, self supporting main stems	315	$ 28.25	$ 8,898.75	$ 807.52	$ 9,706.27
Installation of Thelypteris palustris / Marsh Fern, 1 gal, full body	310	$ 31.87	$ 9,879.70	$ 807.52	$ 10,687.22
Installation of Tree Save Fence	960 LF	$ 2.87	$ 2,755.20	$ 979.20	$ 3,734.40
Bed Prep incl. spray out, compost, and mulch	20038	$ 0.40	$ 8,015.20	$ 402.97	$ 8,418.17
Installation of Live Staking	518	$ 11.81	$ 6,117.58	$ 114.44	$ 6,232.02
Installation of Tree Diapers	41	$ 105.84	$ 4,339.44	$ 651.81	$ 4,991.25
Watering Visits	86	$ 774.51	$ 66,607.86	$ 683.25	$ 67,291.11
Park Amenity Relocation and Other Site Preperation	1				$ 10,000.00
					$ 188,019.05
				Freight	$ 1,360.66
				TOTAL	$ 189,379.71
				P&P Bond	$ 2,318.01
				FINAL TOTAL	$ 191,697.72

Price is good for 15 days

Due to rapidly changing market conditions, availability is very limited on any trees larger than 2.5" cal. Subs/alternates may need to be used at time of install

Additional summer dig fee may be required depending on time of install

Permits not included

*** Depending on time of installation, large caliper tree prices may be subject to change due to supply shortage***

*** Traffic Control not included***

The undersigned representative hereby authorizes Russell Landscape group, Inc. to proceed and to complete the scope of landscape services described above.
TERMS: A service charge of 1 1/2% per month will be added to all balances not paid within thirty (30) days of invoice. This represents an annual rate of 18%.
In addition to all service charges there shall also be paid the reasonable costs of collection including attorneys fees and court costs.
In addition, representative is responsible for all watering of perishable material at project completion unless otherwise noted.
No bond cost included in job cost.
Russell Landscape Group not responsible for Acts of God or damage by others.

Client Representative **Date** 11/22/2022

Josh Clanton
Russell Landscape Contractors, LLC.
770-466-3552

STAFF REPORT

Submitting Department: Recreation, Parks & Cultural Services
Submitted By: Morgan Rodgers
Sponsored By: N/A
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: WATERS ROAD & KIMBALL BRIDGE ROAD COMMUNITY PARK DESIGN/BUILD CONSTRUCTION AWARD

APPROVAL TO AWARD A CONTRACT WITH PRIME CONTRACTORS, INC. UNDER THE STATE OF GEORGIA CONVENIENCE CONTRACT (#99999-S20200901) FOR DESIGN AND CONSTRUCTION OF THE COMMUNITY PARK AT THE INTERSECTION OF KIMBALL BRIDGE ROAD AND WATERS ROAD IN AN AMOUNT TOTALING $1,232,233.34 THROUGH GORDIAN AND TO AUTHORIZE THE MAYOR TO EXECUTE ALL NECESSARY DOCUMENTS.

II. RECOMMENDATION:

Approve and award, as presented, the work order with Prime Contractors, Inc. under the State of Georgia convenience contract (#99999-S20200901) for the design and construction of the Waters Road Park for an amount totaling $1,232,233.34 and authorize the mayor to execute all necessary documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: YES
FISCAL IMPACT: YES
INCLUDED IN CURRENT FY CPTL BUDGET: YES
INCLUDED IN CURRENT FY OPRT. BUDGET: NO
TOTAL PROJECT COST: $1,232,233.34
APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
Waters Rd Park Design/Build (Series 2022 Bond Fund; 31861150-541500-C2220)	$1,232,233.34

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
N/A	$0.00

IV. REPORT IN BRIEF:

BACKGROUND:

Property located at Waters Road and Kimball Bridge Road was purchased utilizing funds from the Series 2016 Bond issue with the design and buildout funded through the Series 2022 Bond issue.

Upon acquisition, the Department of Recreation, Parks, & Cultural Services Staff developed a preliminary plan of what might be possible for the site's future. To ensure resident engagement with the surrounding neighborhoods and the citizens of Alpharetta at large, staff held a virtual public input meeting on March 9, 2022, and an in-person public meeting at the Preston Ridge Community Center on March 10, 2022. For those unable to attend the public meetings, an online survey was made available on the City's website to allow for additional comments.

With the feedback provided, a more concrete rendering was conceptualized and provided by Breedlove Planning & Associates. The conceptual site plan, Exhibit A-1 & A-2, includes a park entrance off Kimball Bridge Road, minimal parking, a restroom, a playground, picnic amenities, benches, and soft surface walking paths. Visually, the community park's design is in keeping with the same basic template as the City's other community parks such as Cogburn Road Park and Windward Community Park. The design was posted on the City's website and social media platforms for any remaining public input prior to seeking approval from both the Recreation Commission and City Council.

On September 13, 2022, the final rendering was approved by the Alpharetta Recreation Commission for City

Council approval. The conceptualized plan was then presented to Mayor and Council on October 3, 2022, for discussion and was approved at the October 17, 2022, Council Meeting.

GORDIAN ezIQC PROCESS:

The ezIQC (indefinite quantity contract) solution is administered by Gordian through the GA Dept. of Administrative Services (convenience contract #99999- S20200901). The ezIQC program enables governmental entities to take advantage of cooperative volume discounts on contracts that have already been competitively awarded while working with numerous contractors across the state, such as Prime Contractors Inc. Benefits to this process include:

- **Cost Control** – ezIQC establishes local material, labor and equipment pricing in a Construction Task Catalog, allowing project owners to control costs.
- **Time Savings** – Project initiation with ezIQC is much simpler and faster than it is with traditional construction procurement methods. With a pool of contractors readily available and preset pricing for tasks, projects can start in days as opposed to months.
- **Quality of Work** – An experienced Gordian representative works with the awarded contractor to ensure quality every step of the way. Gordian assists in the development of a detailed scope of work and ensures the price proposal is accurate and in line with the competitively procured contract pricing.

RECOMMENDATION:

For a multitude of reasons, not the least of which is a fixed design and construction budget of $1.25 million for the buildout of this park in an inflationary environment, the Department determined this project was a good fit for the ezIQC program.

Utilizing the ezIQC program, staff requested a proposal from Prime Contractors Inc. given the conceptualized plan that was drafted by Breedlove Planning & Associates, a sub of Prime Contractors Inc. The proposal would need to reflect the concept plan approved by Alpharetta voters for the Series 2022 Bond issue, incorporate the feedback from the public meetings held in March 2022, and be within budget. Under this streamlined competitive procurement, Prime Contractors Inc. was able to select detailed tasks and quantities utilizing Gordian's pre-approved bid prices per their Construction Task Catalog. The resulting proposal, attached hereto, included all the specifications to design and construct the community park and the total cost fell under the bond's project amount of $1.25 million.

The opportunity to award a design/build contract to Prime Contractors Inc. through the ezIQC program is a great benefit to the City that might not otherwise be achievable within the bond's approved budget. Not only is Prime Contractors Inc. familiar with the design, but staff will be able to proficiently work with the design team and construction company simultaneously, value engineering the project to ensure financial constraints are met while still meeting the city's vision for the park.

Should the Mayor and Council award the design/build contract to Prime Contractors Inc., the approximate timeline for development of the Waters Road/Kimball Bridge Community Park will be 6-8 months from the execution of a contract.

The city awarded the Wills Park Maintenance Facility construction project to Prime Contractors, Inc. through the Gordian ezIQC process and, while the project is in process, staff is pleased overall with both the vendor (Prime) and the process.

V. ALTERNATIVES:

There is one alternative to this recommendation:

1. Direct Staff to undertake a formal RFP process to solicit bids from qualified companies for provision of design and construction services for Waters Road / Kimball Bridge Community Park.

VI. ATTACHMENTS:

Exhibit A - Waters Road Conceptual Site Plan & Playground Rendering, GDOAS_ezIQC_Overview, Contract - Waters Road Pocket Park Design-Build

Conceptual site plan for

Kimball Bridge & Waters Road Park

August 8th, 2022 rendering based on original design by Pollack Associates

SCALE: 1"=20'-0"

THE CITY OF ALPHARETTA GEORGIA

BREEDLOVE LAND PLANNING
Landscape Architects • Civil Engineers
www.landplanning.net

KIMBALL BRIDGE ROAD

KIMBALL BRIDGE ROAD (APPARENT VARIABLE R/W) (35 MPH POSTED SPEED LIMIT)

WATERS ROAD

EXISTING TREES

PERVIOUS PAVER PARKING LOT

ENTRY DRIVE

EXISTING CONCRETE WALK

HEAVY DUTY CONCRETE DRIVE

CONCRETE WALK

BENCH , TYP.

WOOD SHED

NATURAL RECREATION AREA

SLATESCAPE PEDESTRIAN WALKING TRAIL

FENCED PLAYGROUND AREA

RESTROOM

PAVILLION WITH TABLES

NATURAL RECREATION AREA

PARK ENTRANCE

PARK SWING

EVERGREEN SCREENING

25' RESERVATION R/W AREA PER PB. 304 PG. 29

APPROX. LOCATION OF 54" WATERLINE PER FULTON COUNTY GIS


-2

EXHIBIT B

GORDIAN®

Georgia®
Department of Administrative Services

ezIQC® Overview

Streamlined Procurement Through Georgia Department of Administrative Services (GDOAS)

When you need to get repairs, renovations, upgrades or time-sensitive work underway quickly, Gordian's ezIQC solution, available through GDOAS, allows you to access competitively-awarded contractors ready to get started on your project immediately. With ezIQC, you avoid the red tape of traditional procurement, issue POs in days and still satisfy your local competitive-bidding requirements. And you can do all this while taking advantage of cooperative volume discounts.



Cost Control

ezIQC establishes local material, labor and equipment pricing upfront in a Construction Task Catalog®, allowing project owners to control costs. Even when changes happen or emergencies strike, ezIQC's preset prices ensure project costs don't get out of hand.



Time Savings

Project initiation with ezIQC is much simpler and faster than it is with traditional construction procurement methods. With a pool of contractors readily available and preset pricing for Tasks, projects can start in a matter of days.



Quality Work

An experienced Gordian representative will work with you and your awarded contractor to ensure quality every step of the way. Gordian assists in the development of a Detailed Scope of Work and ensures the Price Proposal is accurate, so you can rest assured your project is done right.

> "It's an easy way for you to get quality projects done. We love it. I've passed it to other towns, and they love it, too."
>
> Susan Bransfield, City of Portland, CT

Each Project Follows the Same Simple Five-Step Process:



1. Joint Scope Meeting

Once project information is received, Gordian will contact you to schedule a Joint Scope Meeting at the site to help you and the contractor agree on the details of the work to be performed. This meeting allows the contractor to inspect the site and ask questions before submitting a Price Proposal, helping to eliminate misunderstandings and mistakes. This upfront, open communication often results in more cost-effective, collaborative solutions.

2. Detailed Scope of Work

Gordian helps you prepare a Detailed Scope of Work that describes the work the contractor will perform. The Detailed Scope of Work will be sent along with the Request for Proposal to the contractor.

3. Price Proposal

The contractor prepares a Price Proposal by selecting the appropriate tasks from Gordian's Construction Task Catalog® (CTC). The contractor submits the Price Proposal along with a construction schedule and list of proposed local contractors.

4. Price Proposal Review

Gordian reviews the Price Proposal to ensure the contractor has selected the appropriate tasks and quantities and will ask the contractor to make any required changes. The reviewed Price Proposal is submitted for your final review.

5. Purchase Order Issued

Once you are 100% satisfied with the Price Proposal, construction schedule, proposed subcontractors and have received and approved any other required documents (e.g. bonds, certificates of insurance, etc.), you can issue a purchase order for the contractor to proceed.

Get Started

1. Go to ezIQC.com
2. Enter your contact information and brief project description
3. We will contact you and walk you through the process

GORDIAN®

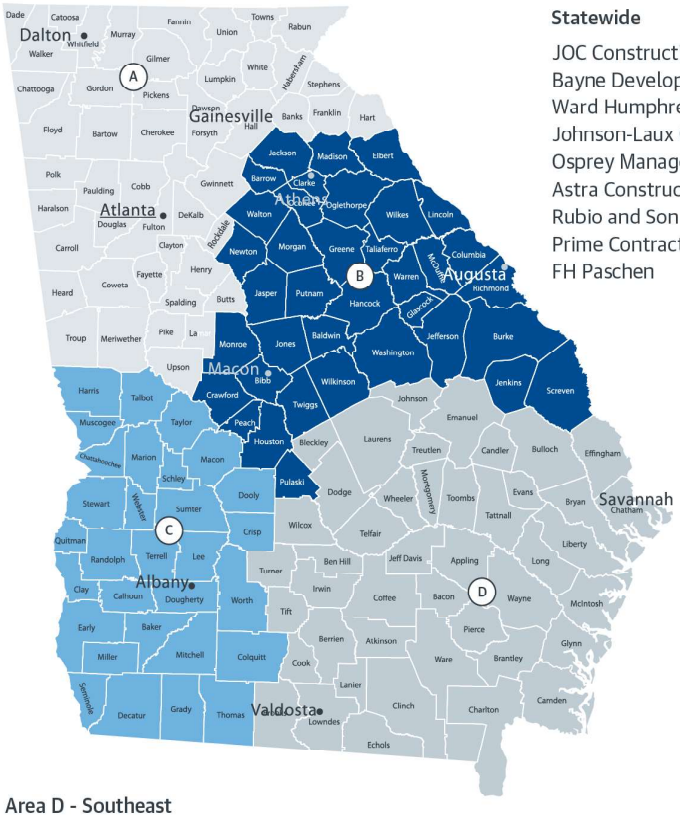
Georgia®
Department of Administrative Services

ezIQC®

Georgia Department of Administrative Services Convenience Contract

ezIQC is available in Georgia through the Georgia Department of Administrative Services statewide convenience contract 99999-S20200901.

Contractor Service Areas



Statewide

JOC Construction LLC
Bayne Development Group, LLC
Ward Humphrey, Inc.
Johnson-Laux Construction
Osprey Management
Astra Construction Services, LLC
Rubio and Son Interiors, Inc.
Prime Contractors, Inc.
FH Paschen

Area A - Northern

Brown & Root Industrial Services, LLC
Greene and Burdette Property Management LLC
HITT Contracting
Striker Contracting, LLC
Crown Service Contractors
Albion Scaccia Enterprises, LLC
Paryani Real Estate LLC
HCR Construction, Inc.
Lichty Commercial Construction, Inc.
Place Services, Inc.

Area B - East Central

Greene and Burdette Property Management LLC
Crown Service Contractors
HITT Contracting
Albion Scaccia Enterprises, LLC
Centennial Contractors Enterprises
Darsey Construction LLC
Place Services, Inc.
Ujamaa Construction

Area C - Southwest

Darsey Construction LLC.
Greene and Burdette Property Management LLC
Albion Scaccia Enterprises, LLC
HITT Contracting
Place Services, Inc.
Centennial Contractors Enterprises
Engineering Design Technologies, Inc.
Ujamaa Construction
Jewel of the South, Inc.

Area D - Southeast

Darsey Construction LLC.
Greene and Burdette Property Management LLC
Lynn Construction Contracting, Inc.
Albion Scaccia Enterprises, LLC
HITT Contracting
Place Services, Inc.
Centennial Contractors Enterprises
Engineering Design Technologies, Inc.
Ujamaa Construction

With ezIQC, you can start on repairs, renovations, upgrades or even new construction quickly. Simply visit ezIQC.com and enter a brief project description. We'll contact you to walk you through the process.

CONSTRUCTION SERVICES AGREEMENT

WATERS ROAD POCKET PARK DESIGN-BUILD

This Construction Services Agreement (the "Agreement") is made and entered into on _____ (date) (the "Effective Date"), by and between the **CITY OF ALPHARETTA, GEORGIA**, a municipal corporation of the State of Georgia, acting by and through its governing authority, the Mayor and Alpharetta City Council (hereinafter referred to as the "City"), and **PRIME CONTRACTORS, INC.**, a Georgia corporation (hereinafter referred to as the "Contractor"), collectively referred to herein as the "Parties".

W I T N E S S E T H:

WHEREAS, the City desires to retain a contractor to perform services for the construction of a Project, as defined below; and

WHEREAS, the City's approved Purchasing Policy authorizes letting contracts through cooperative purchasing agreement processes; and

WHEREAS, the City desires to use the Gordian ezIQC convenience contract through the Georgia Department of Administrative Services (#99999-S20200901-00015) and Sourcewell (#GA-ST02-040820-PCI) to construct the Project, copies of which are attached hereto as **Exhibit A** and incorporated herein by reference; and

WHEREAS, the City finds that specialized knowledge, skills, and training are necessary to perform the Work (defined below) contemplated under this Agreement; and

WHEREAS, the Contractor has represented that it is qualified by training and experience to perform the Work; and

WHEREAS, the Contractor desires to perform the Work as set forth in this Agreement under the terms and conditions provided in this Agreement; and

WHEREAS, the public interest will be served by this Agreement; and

WHEREAS, the Contractor has familiarized itself with the nature and extent of the Contract Documents, the Project, and the Work, and with all local conditions and federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of Work, and the Contractor is aware that it must be licensed to do business in the State of Georgia.

NOW THEREFORE, for and in consideration of the mutual promises, the public purposes, and the acknowledgements and agreements contained herein and other good and adequate consideration, the sufficiency of which is hereby acknowledged, the Parties hereto do mutually agree as follows:

Section 1. Contract Documents

This Agreement along with the following documents, attached hereto (except as expressly noted otherwise below) and incorporated herein by reference, constitute the "Contract Documents":

A. Sourcewell Indefinite Quantity Construction Contract with Contractor (GA-ST02-040820-PCI) and Participation Agreement between Contractor and the State of Georgia Department of Administrative Services (99999-SPD-520200901-00015), attached hereto as **Exhibit A**;

B. Proposal from Contractor (the "Scope of Work") currently Work Order #107018 to be refined during the design-build process, attached hereto as **Exhibit B**;

C. Forms, included in **Exhibit C**;
   1. Forms of Performance Bond and Payment Bond, included within **Exhibit C**;
   2. Forms of Subcontractor Affidavits (E-Verify), included within **Exhibit C**;
   3. Completed Contractor Affidavit (E-Verify), included within **Exhibit C**

D. Additional Payment/Retainage Requirements, attached hereto as **Exhibit D**;

E. The following, which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto: All Change Orders (defined in Section 6 below), other written amendments, and other documents amending, modifying, or supplementing the Contract Documents if properly adopted in writing and executed by the Parties.

Section 2. Project Description; Contract Administrator

A. Project. A general description of the Project is as follows: **WATERS ROAD POCKET PARK DESIGN-BUILD**, including, but not limited to, the complete development cycle including design and buildout of park amenities (e.g., parking, play-area, restroom facility, trails, pavilions, and various other park amenities), and related work. The location of the work is 3395 Kimball Bridge Road (generally located at the corner of Kimball Bridge Road and Waters Road - within the City of Alpharetta, Georgia).

B. Contract Administrator; Project Manager. The City shall be the Contract Administrator for this Agreement. The City's Project and Construction Manager for this contract is Kurt Kirby.

Section 3. The Work

A. The Work. The Work to be completed under this Agreement (the "Work") includes, but shall not be limited to, the work described in the Scope of Work provided in Contract Documents, attached hereto and incorporated herein by

reference. The Work includes all material, labor, insurance, tools, equipment, machinery, water, heat, utilities, transportation, facilities, services and any other miscellaneous items and work reasonably inferable from the Contract Documents. The term "reasonably inferable" takes into consideration the understanding of the Parties that some details necessary for proper execution and completion of the Work may not be shown on the drawings or included in the specifications or Scope of Work, but they are a requirement of the Work if they are a usual and customary component of the Work or are otherwise necessary for proper and complete installation and operation of the Work. Contractor shall complete the Work in strict accordance with the Contract Documents. In the event of any discrepancy among the terms of the various Contract Documents, the provision most beneficial to the City, as determined by the City in its sole discretion, shall govern.

B. Notice to Proceed. The City will issue a Notice to Proceed, which Notice to Proceed shall state the dates for beginning Work ("Commencement Date") and the Expected Date of Final Completion (defined in Section 4(A) below). Unless otherwise approved, the Contractor shall perform its obligations under this Agreement as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Work.

C. Shop Drawings, Product Data, and Samples. Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents, but must be in conformity therewith. The purpose of their submittal is to demonstrate, for those portions of the Work for which submittals are required by the Contract Documents, the way by which the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents.

(i) "Shop Drawings" are drawings, diagrams, schedules and other data specifically prepared for the Work by the Contractor or a subcontractor, sub-subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

(ii) "Product Data" are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

(iii) "Samples" are physical examples that illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

The Contractor shall review for compliance with the Contract Documents and shall approve and submit to the Contract Administrator Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the City or of separate contractors. By approving and submitting Shop Drawings, Product Data, Samples and similar submittals, the Contractor

represents that the Contractor has determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents. Submittals which are not marked as reviewed for compliance with the Contract Documents and approved by the Contractor may be returned by the Contract Administrator without action. The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been approved in writing by the Contract Administrator, provided that submittals that are not required by the Contract Documents may be returned without action.

The Work shall be completed in accordance with approved submittals, provided that the Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Contract Administrator's approval of Shop Drawings, Product Data, Samples or similar submittals, unless the Contractor has specifically informed the Contract Administrator in writing of such deviation at the time of submittal and (1) the Contract Administrator has given written approval to the specific deviation as a minor change in the Work, or (2) a written Change Order has been issued and approved to authorize the deviation. The Contract Administrator's approval of the Shop Drawings, Product Data, Samples or similar submittals shall not relieve the Contractor of responsibility for errors or omissions therein.

The Contractor shall, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, direct the Contract Administrator's attention to any additional revisions included other than those requested by the Contract Administrator on previous submittals. In the absence of such written notice drawing the Contract Administrator's attention to such additional revisions, the Contract Administrator's approval of a resubmission shall not apply to such additional revisions.

The Contractor shall maintain at the Project site(s) one record copy of the Contract Documents in good order and marked currently to record field changes and selections made during construction and one record copy of approved Shop Drawings, Product Data, Samples and similar required submittals. These documents shall be available to the City and Contract Administrator and shall be delivered to the Contract Administrator or City upon completion of the Work.

Section 4. Contract Term; Liquidated Damages; Expedited Completion; Partial Occupancy or Use

A. Contract Term. Contractor shall promptly commence the Work with adequate force and equipment within ten (10) calendar days from receipt of the Notice to Proceed, or as otherwise specified in the Notice to Proceed, continuously pursue the Work without interruption to completion, and fully complete the Work (i.e., achieve final

completion) within **ONE HUNDRED EIGHTY (180) CALENDAR DAYS** following Contractor's mobilization onsite after permit plans have been approved and permits received from the City, Fulton County, and any other applicable entity (the "Expected Date of Final Completion").

The Parties agree that this Agreement, as required by O.C.G.A. § 36-60-13, shall terminate absolutely and without further obligation on the part of the City on December 31 each calendar year of the Term, and further, that this Agreement shall automatically renew on January 1 of each subsequent calendar year absent the City's provision of written notice of non-renewal to Contractor at least five (5) calendar days prior to the end of the then current calendar year. Title to any supplies, materials, equipment, or other personal property shall remain in Contractor until fully paid for by the City.

B. Time is of the Essence; Liquidated Damages. Contractor specifically acknowledges that TIME IS OF THE ESSENCE of this Agreement and that City will suffer financial loss if the Work is not completed in accordance with the deadlines specified in Section 4(A) above and within the Contract Documents. The City and Contractor also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the City if the Work is not completed within the specified times. In accordance with Georgia Department of Transportation Standard Specifications Construction 2021, Section 108.08, if Contractor fails to achieve Substantial Completion and/or Final Completion within one hundred eighty (180) calendar days from Contractor's receipt of the Notice to Proceed, Contractor shall be liable to the City for the sum of **$213.00 per day** for each and every calendar day of unexcused delay in achieving Substantial Completion beyond one hundred eighty (180) calendar days from receipt of the Notice to Proceed; and **$213.00 per day** for each and every calendar day of unexcused delay in achieving Final Completion beyond one hundred eighty (180) calendar days from receipt of the Notice to Proceed, as applicable. Any sums due and payable hereunder by Contractor shall be payable, not as a penalty, but as liquidated damages representing a reasonable pre-estimate of delay damages likely to be sustained by the City for any such breach, as it is mutually agreed that any such actual and consequential damages incurred by the City for such breach would otherwise be difficult to ascertain.

C. Expediting Completion. The Contractor is accountable for completing the Work within the time period provided in the Contract Documents. If, in the judgment of the City, the Work is behind schedule and the rate of placement of work is inadequate to regain scheduled progress to ensure timely completion of the entire Work or a separable portion thereof, the Contractor, when so informed by the City, shall immediately take action to increase the rate of work placement by:

(1) An increase in working forces;
(2) An increase in equipment or tools;
(3) An increase in hours of work or number of shifts;

(4) Expediting delivery of materials; and/or
(5) Other action proposed if acceptable to City.

Within five (5) calendar days after such notice from City that the Work is behind schedule, the Contractor shall notify the City in writing of the specific measures taken and/or planned to increase the rate of progress. The Contractor shall include an estimate as to the date of scheduled progress recovery. Should the City deem the plan of action inadequate, the Contractor shall take additional steps to make adjustments as necessary to its plan of action until it meets with the City's approval and such approval is provided in writing by the City.

D. Partial Occupancy or Use. The City may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement between the City and Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Work. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the City and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. Immediately prior to such partial occupancy or use, the City, Contractor and Contract Administrator shall jointly inspect the area to be occupied, or portion of the Work to be used, in order to determine and record the condition of the Work. Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

Section 5. Contractor's Compensation; Time and Method of Payment

A. Maximum Contract Price. For Contractor's performance and completion of the Project, the City shall pay Contractor a fee in accordance with the unit costs established in Contractor's Scope of Work as awarded by the City and refined through the design-build process for a total sum not to exceed **ONE MILLION, TWO HUNDRED THIRTY TWO THOUSAND, TWO HUNDRED THIRTY THREE DOLLARS AND 34/100 ($1,232,233.34)** (the "Maximum Contract Price"). At Contractor's own cost and expense, Contractor shall furnish all materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories and services necessary or convenient to the successful completion of the Project and the carrying out of all duties and obligations in accordance with the terms and conditions set forth in the Scope of Work. Contractor represents that the Maximum Contract Price is sufficient to perform all of the Work set forth in and contemplated by this Agreement.

B. Additional Payment/Retainage Requirements. Additional payment and retainage requirements are included as **Exhibit D**, attached hereto and incorporated herein by reference.

C. Material Deviations. Any material deviations in tests or inspections performed, or times or locations required to complete such tests or inspections, and like deviations from the Work described in this Agreement shall be clearly communicated to the City *before* charges are incurred and shall be handled through written Change Orders, as described in Section 6 below. Whenever the Contract Administrator considers it necessary or advisable, it shall have authority to require inspection or testing of the Work. However, neither this authority of the Contract Administrator nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Contract Administrator to the Contractor, subcontractors, material and equipment suppliers, their agents or employees, or other persons or entities performing portions of the Work.

D. Taxes. The City is a governmental tax-exempt entity and shall not be responsible for paying any taxes on any materials or services provided for herein. At Contractor's request, City shall provide evidence of its tax-exempt status. To the extent, if any, that the City furnishes tangible personal property to Contractor for incorporation into the Project, Contractor shall be responsible for paying the amount of tax owed for such tangible personal property.

Section 6. Change Orders

A. Change Order Defined. A "Change Order" means a written modification of the Contract Documents, signed by representatives of the City and the Contractor with appropriate authorization.

B. Right to Order Changes. The City reserves the right to order changes in the Work to be performed under this Agreement by altering, adding to, or deducting from the Work. All such changes shall be incorporated in written Change Orders and executed by the Contractor and the City. Such Change Orders shall specify the changes ordered and any necessary adjustment of compensation and completion time. If the Parties cannot reach an agreement on the terms for performing the changed work within a reasonable time to avoid delay or other unfavorable impacts as determined by the City in its sole discretion, the City shall have the right to determine reasonable terms, and the Contractor shall proceed with the changed work.

C. Change Order Requirement. Any work added to the scope of this Agreement by a Change Order shall be executed under all the applicable conditions of this Agreement. No claim for additional compensation or extension of time shall be recognized, unless contained in a written Change Order duly executed on behalf of the City and the Contractor.

D. Authority to Execute Change Order. The authority to execute a change order on behalf of the City shall be in accordance with the City's Procurement Policy, as may be amended from time to time.

E. Minor Changes in the Work. The Contract Administrator will have the authority to order minor changes in the Work not involving adjustment in the Maximum Contract Price or extension of the Term and not inconsistent with the intent of the Contract Documents. Such changes shall be effected by written order signed by the Contract Administrator. The Contractor shall carry out such written orders promptly. If the minor changes subsequently may affect adjustments in the Maximum Contract Price or the Term, the changes shall then be converted to a written Change Order by the requesting Party.

Section 7. Covenants of Contractor

A. Ethics Code; Conflict of Interest.

(i) Contractor agrees that it shall not engage in any activity or conduct that would result in a violation of the City of Alpharetta Code of Ethics or any other similar law or regulation. Contractor certifies that to the best of his knowledge no circumstances exist which will cause a conflict of interest in performing the Work. Should Contractor become aware of any circumstances that may cause a conflict of interest during the Term of this Agreement, Contractor shall immediately notify the City. If the City determines that a conflict of interest exists, the City may require that Contractor take action to remedy the conflict of interest or terminate the Agreement without liability. The City shall have the right to recover any fees paid for services rendered by Contractor when such services were performed while a conflict of interest existed if Contractor had knowledge of the conflict of interest and did not notify the City within five (5) business days of becoming aware of the existence of the conflict of interest.

(ii) Contractor and the City acknowledge that it is prohibited for any person to offer, give, or agree to give any City employee or official, or for any City employee or official to solicit, demand, accept, or agree to accept from another person, a gratuity of more than nominal value or rebate or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or bid therefor. The Contractor and the City further acknowledge that it is prohibited for any payment, gratuity, or offer of employment to be made by or on behalf of a sub-consultant under a contract to the prime Contractor or higher tier sub-

consultant, or any person associated therewith, as an inducement for the award of a subcontract or order.

B. Meetings. The Contractor is required to meet with the City's personnel, or designated representatives, to resolve technical or contractual problems that may occur during the Term of this Agreement at no additional cost to the City. Meetings will occur as problems arise and will be coordinated by the City or the Contract Administrator. The Contractor will be given a minimum of three (3) full business days' notice of meeting date, time, and location. Face-to-face meetings are desired. However, at the Contractor's option and expense, a conference call meeting may be substituted. Consistent failure to participate in problem resolution meetings, two consecutive missed or rescheduled meetings, or failure to make a good faith effort to resolve problems, may result in termination of the contract for cause.

C. Expertise of Contractor. Contractor accepts the relationship of trust and confidence established between it and the City, recognizing that the City's intention and purpose in entering into this Agreement is to engage an entity with the requisite capacity, experience, and professional skill and judgment to provide the Work in pursuit of the timely and competent completion of the Work undertaken by Contractor under this Agreement. The Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations and to further the interests of City and the Project in accordance with City's requirements and procedures, and Contractor shall employ only persons duly qualified in the appropriate area of expertise to perform the Work described in this Agreement.

D. Proper Execution by Contractor. Contractor agrees that it will perform its services in accordance with the usual and customary standards of the Contractor's profession or business and in compliance with all federal, state, and local laws, regulations, codes, ordinances, or orders applicable to the Project, including, but not limited to, O.C.G.A. § 50-5-63, any applicable records retention requirements, and Georgia's Open Records Act (O.C.G.A. § 50-18-70, *et seq.*). Any additional work or costs incurred as a result of error and/or omission by Contractor as a result of not complying with the Contract Documents or not meeting the applicable standard of care or quality, including but not limited to those of repeated procedures and compensation for the Contract Administrator's services or expenses, will be provided at Contractor's expense and at no additional cost to the City. This provision shall survive termination of this Agreement.

It is the Contractor's responsibility to be reasonably aware of all applicable laws, statutes, ordinances, building codes, and rules and regulations. If the Contractor observes that portions of the Contract Documents are at variance therewith, the Contractor shall promptly notify the Contract Administrator and the City in writing of any portions of the Contract Documents that are at variance with the applicable laws, statutes, ordinances, building codes, and rules and regulations.

The Contractor's duties shall not be diminished by any approval by the City or Contract Administrator of Work completed or produced; nor shall any approval by the City or Contract Administrator of Work completed or produced release the Contractor from any liability therefor, it being understood that the City is ultimately relying upon the Contractor's skill and knowledge in performing the Work required under the Contract Documents.

Organization of the specifications into divisions, sections and articles, and arrangement of drawings shall not control the Contractor in dividing the Work among subcontractors or in establishing the extent of Work to be performed by any trade.

E. Familiarity with the Work.

(i) *Contractor Familiarity with Work.* Contractor represents that it has familiarized itself with the nature and extent of the Contract Documents, the Work, work site(s), locality, and all local conditions, laws and regulations that in any manner may affect cost, progress, performance, or furnishing of the Work. Since the Contract Documents are complementary, before starting each portion of the Work, the Contractor shall carefully study and compare the various Contract Documents, site conditions, authorities, tests, reports and studies relative to that portion of the Work, as well as the information furnished by the City, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the Project site(s) affecting it. Contractor represents and agrees that it has correlated the results of all such observations, examinations, investigations, explorations, tests, reports, and studies with the terms and conditions of the Contract Documents. These obligations are for the purpose of facilitating construction by the Contractor and are not for the purpose of discovering errors, omissions, inconsistencies, or ambiguities in the Contract Documents; however, any errors, inconsistencies, omissions, or ambiguities discovered by the Contractor shall be reported promptly to the Contract Administrator and City in writing. Contractor represents that it has given the City written notice of all errors, omissions, inconsistencies, or ambiguities that the Contractor has discovered in the Contract Documents so far, and the written resolution thereof by the City is acceptable to the Contractor. Further, Contractor acknowledges that its obligation to give notice of all such errors, omissions, inconsistencies, or ambiguities shall be continuing during the Term of this Agreement. Any failure on the part of the Contractor to notify the Contract Administrator and City in writing of any errors, omissions, inconsistencies, or ambiguities in the Contract Documents that Contractor discovered or reasonably should have discovered shall result in a waiver and full release by the Contractor of any future arguments or defenses based on such errors, omissions, inconsistencies, or ambiguities against the City. Further, if the Contractor fails to perform its obligations pursuant to this

paragraph, the Contractor shall pay such costs and damages to the City as would have been avoided if the Contractor had performed such obligations.

(ii) *Inspection of Prior Work.* If part of the Contractor's Work depends for proper execution or results upon construction or operations by a separate contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly report to the Contract Administrator apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of the Contractor so to report shall constitute an acknowledgment that the City's or separate contractor's completed or partially completed construction is fit and proper to receive the Contractor's Work, except as to defects not then reasonably discoverable, and Contractor shall be responsible for all costs and damages resulting from its failure to report reasonably discoverable defects.

(iii) *Contractor Requests for Information*. If, with undue frequency (as determined by the City in its sole discretion), the Contractor requests information that is obtainable through reasonable examination and comparison of the Contract Documents, site conditions, and previous correspondence, interpretations or clarifications, the Contractor shall be liable to the City for reasonable charges from the Contract Administrator for the additional services required to review, research and respond to such requests for information.

F. Supervision, Inspection and Construction Procedures. The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Agreement, unless the Contract Documents give other specific instructions concerning these matters. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences or procedures, the Contractor shall evaluate the jobsite safety therefor and, except as stated below, shall be fully and solely responsible for the jobsite safety for such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely written notice to the City and Contract Administrator and shall not proceed with that portion of the Work without further written instructions from the City or Contract Administrator as approved in writing by the City.

The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of this Agreement. The Contractor shall take reasonable precautions for the safety of, and shall provide reasonable protection to prevent damage, injury or loss to: (a) employees and other persons who may be affected, (b) the Work and materials and equipment to be incorporated therein, whether in storage on or off the Project

site(s), under care, custody or control of the Contractor or Contractor's subcontractors or sub-subcontractors, and (c) other property at the Project site(s) or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction. The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.

When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel. If reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the Project site(s) by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and report the condition to the City and Contract Administrator in writing.

G. Tests and Inspections. Tests, inspections and approvals of portions of the Work required by the Contract Documents or by laws, or ordinances, rules, regulations or orders of public authorities having jurisdiction shall be made promptly at an appropriate time to avoid unreasonable delay in the Work. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the City, or with the appropriate public authority, and shall bear all related costs of tests, inspections and approvals. The Contractor shall give the Contract Administrator timely notice of when and where tests and inspections are to be made so that the Contract Administrator may be present for such procedures. Required permits or certificates of testing, inspection or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and delivered to the Contract Administrator within ten (10) calendar days of issuance.

H. Budgetary Limitations. Contractor agrees and acknowledges that budgetary limitations are not a justification for breach of sound principals of Contractor's profession and industry. Contractor shall take no calculated risk in the performance of the Work. Specifically, Contractor agrees that, in the event it cannot perform the Work within the budgetary limitations established without disregarding sound principals of Contractor's profession and industry, Contractor will give written notice immediately to the City.

I. City's Reliance on the Work. The Contractor acknowledges and agrees that the City does not undertake to approve or pass upon matters of expertise of the Contractor and that therefore, the City bears no responsibility for Contractor's Work performed under this Agreement. The Contractor acknowledges and agrees that the acceptance of Work by the City is limited to the function of determining

whether there has been compliance with what is required to be produced under this Agreement. The City will not, and need not, inquire into adequacy, fitness, suitability or correctness of Contractor's performance. Contractor further agrees that no approval of designs, plans, or specifications by any person, body, or agency shall relieve Contractor of the responsibility for adequacy, fitness, suitability, and correctness of Contractor's Work under professional and industry standards, or for performing services under this Agreement in accordance with sound and accepted professional and industry principles.

J. Contractor's Reliance on Submissions by the City. Contractor must have timely information and input from the City in order to perform the Work required under this Agreement. Contractor is entitled to rely upon information provided by the City, but Contractor shall be required to provide immediate written notice to the City if Contractor knows or reasonably should know that any information provided by the City is erroneous, inconsistent, or otherwise problematic.

K. Uncovering and Correction of Work. If a portion of the Work is covered contrary to the Contract Administrator's request or to requirements specifically expressed in the Contract Documents, it must, if required in writing by the Contract Administrator, be uncovered for examination by the Contract Administrator and be replaced at the Contractor's expense without change in the Agreement Term.

If a portion of the Work has been covered which the Contract Administrator has not specifically requested to examine prior to its being covered or which the Contract Documents did not require to remain uncovered until examined, the Contract Administrator may request to see such Work, and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, costs of uncovering and replacement shall, by appropriate Change Order, be at the City's expense, which expense shall be agreed upon in writing prior to being incurred. If such Work is not in accordance with the Contract Documents, correction shall be at the Contractor's expense, unless the condition was caused by the City, in which event the City shall be responsible for payment of such costs including reasonable charges, if any, by the Contract Administrator for additional service, which expense shall be agreed upon in writing prior to being incurred.

If the City prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the City may do so instead of requiring its removal and correction, in which case the Maximum Contract Price will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

L. Clean Up. Contractor shall keep the Project site(s) and surrounding area free from accumulation of waste materials or rubbish caused by operations under this Agreement. At completion of the Work, the Contractor shall remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials. The Contractor shall also restore any

temporary easement areas to substantially their original condition (less any removed structures or vegetation for which the owner has been compensated). If the Contractor fails to clean up and remediate temporary easement areas as provided in the Contract Documents, the City may do so, and the cost thereof shall be charged to the Contractor.

M. Contractor's Representative. **JAMES DUNN, President,** shall be authorized to act on Contractor's behalf with respect to the Work as Contractor's designated representative.

N. Independent Contractor. Contractor hereby covenants and declares that it is engaged in an independent business and agrees to perform the Work as an independent contractor and not as the agent or employee of the City. Nothing contained in this Agreement shall be construed to make the Contractor, or any of its employees, servants or subcontractors, an employee, servant or agent of the City for any purpose. The Contractor agrees to be solely responsible for its own matters relating to the time and place the Work is performed and the method used to perform such Work; the instrumentalities, tools, supplies, and/or materials necessary to complete the Work; hiring of subcontractors, agents, or employees to complete the Work; and the payment of employees, including benefits and compliance with Social Security, withholding, and all other regulations governing such matters. The Contractor agrees to be solely responsible for its own acts and those of its subordinates, employees, and subcontractors during the life of this Agreement. There shall be no contractual relationship between any subcontractor or supplier and the City by virtue of this Agreement with the Contractor. Any provisions of this Agreement that may appear to give the City the right to direct Contractor as to the details of the services to be performed by Contractor or to exercise a measure of control over such services will be deemed to mean that Contractor shall follow the directions of the City with regard to the results of such services only. It is further understood that this Agreement is not exclusive, and the City may hire additional entities to perform Work related to this Agreement.

Inasmuch as the City and the Contractor are independent of each other, neither has the authority to bind the other to any third person or otherwise to act in any way as the representative of the other, unless otherwise expressly agreed to in writing signed by both Parties hereto. The Contractor agrees not to represent itself as the City's agent for any purpose to any party or to allow any employee of the Contractor to do so, unless specifically authorized, in advance and in writing, to do so, and then only for the limited purpose stated in such authorization. The Contractor shall assume full liability for any contracts or agreements the Contractor enters into on behalf of the City without the express knowledge and prior written consent of the City.

O. Responsibility of Contractor and Indemnification of City. The Contractor covenants and agrees to take and assume all responsibility for the Work rendered in connection with this Agreement. The Contractor shall bear all losses and

damages directly or indirectly resulting to it and/or the City on account of the performance or character of the Work rendered pursuant to this Agreement. To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless the City and the City's elected and appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys and volunteers (individually an "Indemnified Party" and collectively "Indemnified Parties") from and against any and all claims, suits, actions, judgments, injuries, damages, losses, costs, expenses and liability of any kind whatsoever, including, but not limited to, attorney's fees and costs of defense ("Liabilities"), which may arise from or be the result of alleged willful, negligent, or tortious act or omission arising out of the Work, performance of contracted services, or operations by the Contractor, any subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts the Contractor or subcontractor may be liable, regardless of whether or not the act or omission is caused in part by a party indemnified hereunder. This indemnity obligation does not include Liabilities caused by or resulting from the sole negligence of an Indemnified Party. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this provision.

In any and all claims against an Indemnified Party, by any employee of the Contractor, its subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts the Contractor or subcontractor may be liable, the indemnification obligation set forth in this provision shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor or any subcontractor under workers' or workmen's compensation acts, disability benefit acts, or other employee benefit acts. This obligation to indemnify, defend, and hold harmless the Indemnified Party(ies) shall survive expiration or termination of this Agreement, provided that the claims are based upon or arise out of actions or omissions that occurred during the performance of this Agreement.

Nothing herein shall be interpreted to require indemnification by the Contractor for claims related to any portion of the Work that may include construction, alteration, repair, or maintenance of a building structure, appurtenances, or appliances, including moving, demolition, and excavating connected therewith in excess of the limitations required under O.C.G.A. § 13-8-2(b).

Nothing herein shall be interpreted to require indemnification by the Contractor for claims related to any portion of the Work that may include engineering, architectural, or land surveying services in excess of the limitations required under O.C.G.A. § 13-8-2(c).

P. Insurance.

(1) Requirements: The Contractor shall have and maintain in full force and effect for the duration of this Agreement, insurance insuring against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Work by the Contractor, its agents, representatives, employees or subcontractors. All policies shall be subject to approval by the City as to form and content. These requirements are subject to amendment or waiver if so approved in writing by the City Administrator.

(2) Minimum Limits of Insurance: Contractor shall maintain the following insurance policies with coverage and limits no less than:

(a) *Commercial General Liability*: $2,000,000 (two million dollars) combined single limit per occurrence aggregate comprehensive/ extended/enhanced Commercial General Liability policy with coverage including bodily and personal injury, sickness, disease or death, injury to or destruction of property, including loss of use resulting therefrom, damage to premises/operations, products/ completed operations, independent consultants and contractual liability (specifically covering the indemnity), broad-from property damage, and underground, explosion and collapse hazard. This coverage may be achieved by using an excess or umbrella policy. The policy or policies must be on "an occurrence" basis ("claims made" coverage is not acceptable). If a general aggregate limit applies, the general aggregate limit shall apply separately to this project/location, and the general aggregate limit shall be twice the required occurrence limit.

(b) *Commercial Automobile Liability (owned, non-owned, hired)*: $1,000,000 (one million dollars) for bodily or personal injury liability (including sickness, disease or death) and $100,000 (one hundred thousand dollars) for property damage liability (including destruction of property), combined single limit per occurrence aggregate comprehensive Commercial Automobile liability coverage (owned, non-owned, hired), including loss of use resulting therefrom.

(c) *Workers' Compensation and Employers' Liability*: Workers' Compensation policy with limits as required by the State of Georgia and Employers' Liability limits of $500,000 (five hundred thousand dollars) per occurrence or disease, per employee.

(d) *Builder's Risk Insurance*: Contractor shall provide a Builder's Risk Insurance Policy to be made payable to the City and Contractor, as

their interests may appear. The policy amount shall be equal to 100% of the Maximum Contract Price, written on a Builder's Risk "All Risk," or its equivalent. The policy shall provide, or be endorsed to provide, as follows: "The following may occur without diminishing, changing, altering or otherwise affecting the coverage and protection afforded the insured under this policy: i) Equipment may be delivered to the insured premises and installed in place ready for use; and ii) Partial or complete occupancy by City; and iii) Performance of Work in connection with construction operations insured by the City, by its agents or lessees, or other contractors of the City or using agency." The insurance coverage shall include extended coverage, and providing coverage for transit, with sub-limits sufficient to insure the full replacement value of the property or equipment removed from its site and while located away from its site until the date of final acceptance of the Work.

(e) *Commercial Umbrella Liability Coverage*: $5,000,000 (five million dollars) per occurrence and in the aggregate shall be provided and will apply over all liability policies, without exception, including but not limited to Commercial General Liability, Commercial Automobile Liability, and Employers' Liability.

(3) Deductibles and Self-Insured Retentions: Any deductibles or self-insured retentions must be declared to and approved by the City in writing so that the City may ensure the financial solvency of the Contractor; self-insured retentions should be included on the certificate of insurance.

(4) Other Insurance Provisions: Each policy shall contain, or be endorsed to contain, the following provisions respectively:

(a) General Liability, Automobile Liability and (if applicable) Umbrella Liability Coverage.

(i) *Additional Insured Requirement*. The City and City's elected and appointed officials, officers, boards, commissioners, employees, representatives, consultants, servants, agents and volunteers (individually "Insured Party" and collectively "Insured Parties") shall be named as additional insureds as respects: liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, leased, or used by the Contractor; automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the Insured Parties. Nothing contained in this section shall be construed to

require the Contractor to provide liability insurance coverage to any Insured Party for claims asserted against such Insured Party for its sole negligence.

(ii) *Primary Insurance Requirement*. The Contractor's insurance coverage shall be primary noncontributing insurance as respects to any other insurance or self-insurance available to the Insured Parties. Any insurance or self-insurance maintained by the Insured Parties shall be in excess of the Contractor's insurance and shall not contribute with it.

(iii) *Reporting Requirement*. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Insured Parties.

(iv) *Separate Coverage*. Coverage shall state that the Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to limits of insurance provided.

(v) *Defense Costs/Cross Liability*. Coverage shall be provided on a "pay on behalf" basis, with defense costs payable in addition to policy limits. There shall be no cross-liability exclusion.

(vi) *Subrogation*. The insurer shall agree to waive all rights of subrogation against the Insured Parties for losses arising from Work performed by the Contractor for the City.

(b) Workers' Compensation Coverage: The insurer providing Workers' Compensation Coverage will agree to waive all rights of subrogation against the Insured Parties for losses arising from Work performed by the Contractor for the City.

(c) All Coverages:

(i) *Notice Requirement*. Each insurance policy required by this Agreement shall be endorsed to state that coverage shall not be reduced, suspended, voided, or canceled except after thirty (30) calendar days prior written notice (or 10 calendar days if due to non-payment) has been given to the City. The City reserves the right to accept alternate notice terms and provisions, provided they meet the minimum requirements under Georgia law.

(ii) *Starting and Ending Dates*. Policies shall have concurrent starting and ending dates.

(iii) *Incorporation of Indemnification Obligations*. Policies shall include an endorsement incorporating the indemnification obligations assumed by the Contractor under the terms of this Agreement, including but not limited to Section 7(O) of this Agreement.

(5) Acceptability of Insurers: The insurance to be maintained by Contractor must be issued by a company licensed or approved by the Insurance Commissioner to transact business in the State of Georgia. Such insurance shall be placed with insurer(s) with an A.M. Best Policyholder's rating of no less than "A-" and with a financial rate of Class VII or greater. The Contractor shall be responsible for any delay resulting from the failure of its insurer to provide proof of coverage in the prescribed form.

(6) Verification of Coverage: Contractor shall furnish to the City for City approval certificates of insurance and endorsements to the policies evidencing all coverage required by this Agreement prior to the start of work. Without limiting the general scope of this requirement, Contractor is specifically required to provide an endorsement naming the City as an additional insured when required. The certificates of insurance and endorsements for each insurance policy are to be on a form utilized by Contractor's insurer in its normal course of business and are to be signed by a person authorized by that insurer to bind coverage on its behalf, unless alternate sufficient evidence of their validity and incorporation into the policy is provided. The City reserves the right to require complete, certified copies of all required insurance policies at any time. The Contractor shall provide proof that any expiring coverage has been renewed or replaced prior to the expiration of the coverage.

(7) Contractor's Duty to Provide Notice of Reduction in Coverage: Contractor shall provide written notice to City at least thirty (30) days prior to any reduction, suspension, voiding, or cancellation of coverage. Contractor shall require the same notice to the City in all subcontractor contracts.

(8) Subcontractors: Contractor shall either (1) ensure that its insurance policies (as described herein) cover all subcontractors and the Work performed by such subcontractors or (2) ensure that any subcontractor secures separate policies covering that subcontractor and its Work. All coverage for subcontractors shall be subject to all of the requirements stated in this Agreement, including, but not limited to, naming the Insured Parties as additional insureds.

(9) Claims-Made Policies: Contractor shall extend any claims-made insurance policy for at least six (6) years after termination or final payment under the Agreement, whichever is later, and have an effective date which is on or prior to the Effective Date.

(10) Progress Payments: The making of progress payments to the Contractor shall not be construed as relieving the Contractor or its subcontractor or insurance carriers from providing the coverage required in this Agreement.

Q. Bonds. The Contractor shall provide Performance and Payment bonds on the forms attached hereto within **Exhibit C**. All bond sureties shall be licensed to do business in Georgia and listed on the Treasury Department's most current list (Circular 570 as amended). All bonds shall be approved as to form and as to the solvency of the surety by an officer of the City negotiating this Agreement. Contractor shall maintain the payment and performance bonds throughout the Term of this Agreement and shall increase the amount of such bonds if the total payment amount of this Agreement increases. Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under this Agreement, the Contractor shall promptly furnish a copy of the bonds or shall permit a copy to be made.

R. Assignment of Agreement. The Contractor covenants and agrees not to assign or transfer any interest in, or delegate any duties of this Agreement, without the prior express written consent of the City. As to any approved subcontractors, the Contractor shall be solely responsible for reimbursing them, and the City shall have no obligation to them.

S. Employment of Unauthorized Aliens Prohibited – *E-Verify Affidavit*. Pursuant to O.C.G.A. § 13-10-91, the Contractor hereby verifies that it has, prior to executing this Agreement, executed a notarized affidavit, the form of which is provided in **Exhibit C**, and submitted such affidavit to City. Further, Contractor hereby agrees to comply with the requirements of the federal Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603, O.C.G.A. § 13-10-91 and Georgia Department of Labor Rule 300-10-1-.02.

In the event the Contractor employs or contracts with any subcontractor(s) in connection with the covered contract, the Contractor agrees to secure from such subcontractor(s) attestation of the subcontractor's compliance with O.C.G.A. § 13-10-91 and Rule 300-10-1-.02 by the subcontractor's execution of the subcontractor affidavit, the form of which is provided in **Exhibit C**, which subcontractor affidavit shall become part of the contractor/subcontractor agreement; or evidence that the subcontractor is not required to provide such an affidavit because it is licensed and in good standing as noted in sub-subsection (2); or, in the case of a sole proprietor subcontractor, a copy of subcontractor's state issued driver's license or state issued identification card as noted in sub-subsection (3) above. Contractor agrees to

provide a completed copy of the above-required materials to the City within five (5) business days of receipt from any subcontractor.

Contractor agrees that the employee-number category designated below is applicable to the Contractor.

____ 500 or more employees.
____ 100 or more employees.
X Fewer than 100 employees.

Contractor hereby agrees that, in the event Contractor employs or contracts with any subcontractor(s) in connection with this Agreement and where the subcontractor is required to provide an affidavit pursuant to O.C.G.A. § 13-10-91, the Contractor will secure from the subcontractor(s) such subcontractor(s') indication of the above employee-number category that is applicable to the subcontractor.

The above requirements shall be in addition to the requirements of State and federal law and shall be construed to be in conformity with those laws.

T. Records, Reports and Audits.

(1) Records:

(a) Books, records, documents, account legers, data bases, and similar materials relating to the Work performed for the City under this Agreement ("Records") shall be established and maintained by the Contractor in accordance with applicable law and requirements prescribed by the City with respect to all matters covered by this Agreement. Such Records shall include, but not be limited to, current and complete books of account of all transactions with respect to the Project. Such books of account shall be kept in accordance with sound accounting practices consistently applied, and otherwise in such manner as shall be reasonably required by the City. Except as otherwise authorized or required, such Records shall be maintained for at least three (3) years from the date that final payment is made to Contractor by City under this Agreement. Furthermore, Records that are the subject of audit findings shall be retained for three (3) years or until such audit findings have been resolved, whichever is later.

(b) All costs claimed or anticipated to be incurred in the performance of this Agreement shall be supported by properly executed payrolls, time records, invoices, contracts, or vouchers, or other official documentation evidencing in proper detail the nature and propriety of the charges. All checks, payrolls, invoices, contracts, vouchers,

orders, or other accounting documents pertaining in whole or in part to this Agreement shall be clearly identified and readily accessible.

(2) Reports and Information: Upon request, the Contractor shall furnish to the City any and all Records in the form requested by the City. All Records stored on a computer database must be of a format compatible with the City's computer systems and software.

(3) Audits and Inspections: At any time during normal business hours and as often as the City may deem necessary, Contractor shall make available to the City or City's representative(s) for examination all Records. The Contractor will permit the City or City's representative(s) to audit, examine, and make excerpts or transcripts from such Records. Contractor shall provide proper facilities for City or City's representative(s) to access and inspect the Records, or, at the request of the City, shall make the Records available for inspection at the City's office. Further, Contractor shall permit the City or City's representative(s) to observe and inspect any or all of Contractor's facilities and activities during normal hours of business for the purpose of evaluating Contractor's compliance with the terms of this Agreement. In such instances, the City or City's representative(s) shall not interfere with or disrupt such activities.

U. Confidentiality. Contractor acknowledges that it may receive confidential information of the City and that it will protect the confidentiality of any such confidential information and will require any of its subcontractors, contractors, and/or staff to likewise protect such confidential information. The Contractor agrees that confidential information it receives or such reports, information, opinions, or conclusions that Contractor creates under this Agreement shall not be made available to, or discussed with, any individual or organization, including the news media, without prior written approval of the City. Contractor shall exercise reasonable precautions to prevent the unauthorized disclosure and use of City information whether specifically deemed confidential or not.

Contractor acknowledges that the City's disclosure of documentation is governed by Georgia's Open Records Act, and Contractor further acknowledges that, if Contractor submits records containing trade secret information and if Contractor wishes to keep such records confidential, Contractor must submit and attach to such records an affidavit affirmatively declaring that specific information in the records constitutes trade secrets pursuant to Article 27 of Chapter 1 of Title 10, and the Parties shall follow the requirements of O.C.G.A. § 50-18-72(a)(34) related thereto.

V. Licenses, Certifications and Permits. The Contractor covenants and declares that it has obtained all diplomas, certificates, licenses, permits, or the like required of the Contractor by any and all national, state, regional, county or local boards, agencies, commissions, committees or other regulatory bodies in order to perform the Work contracted for under this Agreement; provided that some permits or

licenses related to the Project may be obtained as part of the Work and shall be obtained as required. The Contractor shall secure and pay for the building permit and other permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work, which are customarily secured after execution of the Agreement and which are legally required. City shall waive the cost of its own permit fees. Contractor shall furnish copies of such permits, licenses, etc. to the City within ten (10) days after issuance.

W. Personnel

(i) *Employment of City Personnel*. Contractor shall not employ any person or persons in the employ of, or having any contractual relationship with, the City for any Work required by the terms of this Agreement without the written permission of the City.

(iii) *Subcontractors.* Contractor shall not subcontract with any third party for the performance of any portion of the Work without the prior written consent of the City. By appropriate written agreement, Contractor shall require each subcontractor, to the extent of the Work to be performed by the subcontractor, to be bound to Contractor by terms of the Contract Documents, and to assume toward Contractor all obligations and responsibilities, including the responsibility for safety of the subcontractor's Work, which Contractor, by the Contract Documents, assumes toward the City. Each subcontract agreement for a portion of the Work must contain a provision allowing assignment of the subcontract agreement by Contractor to the City in the event that this Agreement is terminated by the City for cause and City notifies Contractor and subcontractor of its intent to accept such assignment; provided that any assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Agreement. Contractor shall be solely responsible for any such subcontractors in terms of performance and compensation.

X. Authority to Contract. The Contractor covenants and declares that it has obtained all necessary approvals of its board of directors, stockholders, general partners, limited partners, or similar authorities to simultaneously execute and bind Contractor to the terms of this Agreement, if applicable.

Y. Ownership of Work. All reports, designs, drawings, plans, specifications, schedules, work product, and other materials, including, but not limited to, those in electronic form, prepared or in the process of being prepared for the Work to be performed by the Contractor ("Materials") shall be the property of the City, and the City shall be entitled to full access and copies of all Materials in the form prescribed by the City. Any Materials remaining in the hands of the Contractor or subcontractor upon completion or termination of the Work shall be delivered immediately to the City whether or not the Project or Work is commenced or completed, provided; however, that Contractor may retain a copy of any

deliverables for its records. The Contractor assumes all risk of loss, damage or destruction of or to Materials. If any Materials are lost, damaged, or destroyed before final delivery to the City, the Contractor shall replace them at its own expense. Any and all copyrightable subject matter in all Materials is hereby assigned to the City, and the Contractor agrees to execute any additional documents that may be necessary to evidence such assignment.

Z. Nondiscrimination. In accordance with Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and all other provisions of Federal law, the Contractor agrees that, during performance of this Agreement, Contractor, for itself, its assignees and successors in interest, will not discriminate against any employee or applicant for employment, any subcontractor, or any supplier because of race, color, creed, national origin, gender, age or disability. In addition, Contractor agrees to comply with all applicable implementing regulations and shall include the provisions of this paragraph in every subcontract for services contemplated under this Agreement.

Section 8. Covenants of the City

A. Right of Entry. The City shall provide for right of entry for Contractor and Contractor's equipment as required for Contractor to complete the Work, provided that Contractor shall not unreasonably encumber the Project site(s) with materials or equipment.

B. City's Representative. **MORGAN RODGERS, Director of Recreation, Parks & Cultural Services,** shall be authorized to act on the City's behalf with respect to the Work as the City's designated representative on this Project, provided that any changes to the Work or the terms of this Agreement must be approved as provided in Section 6 above.

Section 9. Final Project Documents

Prior to final payment, Contractor shall deliver to City a written assignment of all warranties, guaranties, certificates, permits, and other documents, including without limitation, all contractors' and manufacturers' warranties. At such time, Contractor shall also deliver to the City copies of all as-built drawings, operations, and maintenance manuals, and any other pertinent documents relating to the construction and operation of the Work that is not otherwise in the possession of the City.

Section 10. Termination

A. For Convenience. The City may terminate this Agreement for convenience at any time upon providing written notice thereof to Contractor at least seven (7) calendar

days in advance of the termination date.

B. For Cause. The Contractor shall have no right to terminate this Agreement prior to completion of the Work, except in the event of City's failure to pay the Contractor within thirty (30) calendar days of Contractor providing the City with notice of a delinquent payment and a reasonable opportunity to cure. The City may terminate this Agreement for cause as provided in Section 11 of this Agreement. The City shall give Contractor at least seven (7) calendar days' written notice of its intent to terminate the Agreement for cause and the reasons therefor, and if Contractor, or its Surety, fails to cure the default within that period, the termination shall take place without further notice. The City shall then make alternative arrangements for completion of the Project.

C. Statutory Termination. In compliance with O.C.G.A. § 36-60-13, this Agreement shall be deemed terminated as provided in Section 4(A) of this Agreement. Further, this Agreement shall terminate immediately and absolutely at such time as appropriated or otherwise unobligated funds are no longer available to satisfy the obligation of the City.

D. Payment. Provided that no damages are due to the City for Contractor's failure to perform in accordance with this Agreement, and except as otherwise provided herein, the City shall, upon termination for convenience or statutory termination, pay Contractor for Work performed prior to the date of termination in accordance with Section 5 herein. The City shall have no further liability to Contractor for such termination. At its sole discretion, the City may pay Contractor for additional value received as a result of Contractor's efforts, but in no case shall said payment exceed any remaining unpaid portion of the Maximum Contract Price.

If this Agreement is terminated for cause, the City will make no further payment to the Contractor or its Surety until the Project is completed and all costs of completing the Project are paid. If the unpaid balance of the amount due the Contractor, according to this Agreement, exceeds the cost of finishing the Project, City shall provide payment to the Contractor (or its Surety) for services rendered and expenses incurred prior to the termination date, provided that such payment shall not exceed the unpaid balance of the amount otherwise payable under this Agreement minus the cost of completing the Project. If the costs of completing the Project exceed the unpaid balance, the Contractor or its Surety shall pay the difference to the City.

E. Assumption of Contracts. The City reserves the right in termination for cause to take assignment of all contracts between the Contractor and its subcontractors, vendors, and suppliers. The City will promptly notify the Contractor of the contracts the City elects to assume. Upon receipt of such notice, the Contractor shall promptly take all steps necessary to effect such assignment.

F. Conversion to Termination for Convenience. If the City terminates this Agreement

for cause and it is later determined that the City did not have grounds to do so, the termination will be converted to and treated as a termination for convenience under the terms of Section 10(A) above.

G. Requirements Upon Termination. Upon termination, the Contractor shall: (1) promptly discontinue all services, cancel as many outstanding obligations as possible if requested to do so by the City, and not incur any new obligations, unless the City directs otherwise; and (2) promptly deliver to the City all data, drawings, reports, summaries, and such other information and materials as may have been generated or used by the Contractor in performing this Agreement, whether completed or in process, in the form specified by the City.

H. Reservation of Rights and Remedies. The rights and remedies of the City and the Contractor provided in this Section are in addition to any other rights and remedies provided under this Agreement or at law or in equity. Specifically, and without limiting the generality of the foregoing, City may, with or without terminating this Agreement, bring an action against Consultant to recover from Consultant all damages, recoverable at law, suffered, incurred or sustained by City as a result of, by reason of, in connection with, or arising out of Consultant's default.

Section 11. City's Rights; Contractor Default

A. City Rights Related to the Work.

(i) *City's Right to Stop the Work.* If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents, as required by the Contract Administrator, or persistently fails to carry out Work in accordance with the Contract Documents, the City may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the City to stop the Work shall not give rise to a duty on the part of the City to exercise this right for the benefit of the Contractor or any other person or entity. Such a stoppage of Work shall not extend the Expected Date of Final Completion of the Work.

(ii) *City's Right to Carry Out the Work.* If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a seven (7) calendar day period after receipt of written notice from the City to commence and/or continue correction of such default or neglect with diligence and promptness, the City may, without prejudice to other remedies the City may have, correct such deficiencies. In such case, an appropriate Change Order shall be issued deducting from payments then or thereafter due the Contractor the reasonable cost of correcting such deficiencies, including City's expenses and compensation for the Architect/Engineer's and/or Contract Administrator's additional services (if any) made necessary by such default, neglect or failure. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the City.

B. Contractor Default. For the purposes of this Agreement, Contractor shall be in default if any of the following occur during the Term of this Agreement: (a) a failure to fulfill in a timely and proper manner Contractor's obligations under this Agreement; (b) Contractor violates any of the material provisions, agreements, representations or covenants of this Agreement or any applicable city, state, or federal laws, which do not fall within the force majeure provisions of this Agreement; (c) the Contractor becomes insolvent or unable to pay its debts as they mature, or makes an assignment for the benefit of creditors, or files a bankruptcy petition under the United States Bankruptcy Code; or (d) Contractor is the subject of a judgment or order for payment of money, which judgment or order exceeds $100,000 and is no longer subject to appeal or, in the opinion of the City, would be fruitless to appeal and where (i) such judgment or order shall continue un-discharged or unpaid for a period of thirty (30) calendar days and an insurer has not acknowledged that such judgment or order is fully covered by a relevant policy of insurance, or (ii) the City is otherwise reasonably satisfied that such judgment or order is not likely to be satisfied or complied with within sixty (60) calendar days of its issuance.

In the event of Contractor's default under this Agreement, the City shall send written notice to the Contractor setting forth the specific instances of the default and providing the Contractor with at least seven (7) calendar days to cure or otherwise remedy the default to the reasonable satisfaction of the City. If the default is not remedied during the stated cure period, then the City may, at its election: (a) in writing terminate the Agreement in whole or in part; (b) cure such default itself and charge the Contractor for the costs of curing the default against any sums due or which become due to the Contractor under this Agreement; and/or (c) pursue any other remedy then available, at law or in equity, to the City for such default.

Section 12. Miscellaneous

A. Complete Agreement. This Agreement, including all of the Contract Documents, constitutes the complete agreement between the Parties and supersedes any and all other agreements, either oral or in writing, between the Parties with respect to the subject matter of this Agreement. No other agreement, statement, or promise relating to the subject matter of this Agreement not contained in this Agreement or the Contract Documents shall be valid or binding. This Agreement may be modified or amended only by a written document signed by representatives of both Parties with appropriate authorization.

B. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Georgia without regard to choice of law principles. If any action at law or in equity is brought to enforce or interpret the provisions of this Agreement, the rules, regulations, statutes and laws of the State of Georgia will control. Any action or suit related to this Agreement shall be brought in the Superior Court of Fulton County, Georgia, or the U.S. District Court for the Northern District of Georgia, and Contractor submits to the jurisdiction and venue of such court.

C. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument.

D. Invalidity of Provisions; Severability. Should any article(s) or section(s) of this Agreement, or any part thereof, later be deemed illegal, invalid or unenforceable by a court of competent jurisdiction, the offending portion of the Agreement should be severed, and the remainder of this Agreement shall remain in full force and effect to the extent possible as if this Agreement had been executed with the invalid portion hereof eliminated, it being the intention of the Parties that they would have executed the remaining portion of this Agreement without including any such part, parts, or portions that may for any reason be hereafter declared invalid.

E. Business License. Prior to commencement of the Work to be provided hereunder, Contractor shall apply to the City for a business license, pay the applicable business license fee, and maintain said business license during the Term of this Agreement, unless Contractor provides evidence that no such license is required.

F. Notices.

(1) *Communications Relating to Day-to-Day Activities.*

All communications relating to the day-to-day activities of the Work shall be exchanged between **MORGAN RODGERS, Director of Recreation, Parks & Cultural Services,** for the City, and **JAMES DUNN, President,** for the Contractor.

(2) *Official Notices.*

All other notices, requests, demands, writings, or correspondence, as required by this Agreement, shall be in writing and shall be deemed received, and shall be effective, when (1) personally delivered, or (2) on the third calendar day after the postmark date when mailed by certified mail, postage prepaid, return receipt requested, or (3) upon actual delivery when sent *via* national overnight commercial carrier to the Party at the addresses given below, or at a substitute address previously furnished to the other Party by written notice in accordance herewith:

NOTICE TO CITY shall be sent to:

City of Alpharetta, Georgia
Attn: Morgan Rodgers, Director of Recreation, Parks & Cultural Services
Alpharetta City Hall
2 Park Plaza
Alpharetta, GA 30009

Tel: 678-297-6103
Email: mrodgers@alpharetta.ga.us
With a copy to City's Project Manager:

City of Alpharetta
Attn: Kurt Kirby
1825 Old Milton Parkway
Alpharetta, GA 30009
Tel: 678-297-6162
Email: kkirby@alpharetta.ga.us

NOTICE TO CONTRACTOR shall be sent to:

Prime Contractors, Inc.
Attn: James Dunn, President
3406 Florence Circle
Powder Springs, GA 30127
Email: kdunn@primecontractorsinc.com

G. Waiver of Agreement. No failure by the City to enforce any right or power granted under this Agreement, or to insist upon strict compliance by Contractor with this Agreement, and no custom or practice of the City at variance with the terms and conditions of this Agreement shall constitute a general waiver of any future breach or default or affect the City's right to demand exact and strict compliance by Contractor with the terms and conditions of this Agreement. Further, no express waiver shall affect any term or condition other than the one specified in such waiver, and that one only for the time and manner specifically stated.

H. Survival. All sections of this Agreement which by their nature should survive termination will survive termination, including, without limitation, confidentiality obligations, warranties, and insurance maintenance requirements.

I. Sovereign Immunity. Nothing contained in this Agreement shall be construed to be a waiver of the City's sovereign immunity or any individual's qualified good faith or official immunities.

J. No Personal Liability. Nothing herein shall be construed as creating any individual or personal liability on the part of any of City's elected or appointed officials, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys or volunteers. No such individual shall be personally liable to the Contractor or any successor in interest in the event of any default or breach by the City or for any amount which may become due to the Contractor or successor or on any obligation under the terms of this Agreement. Likewise, Contractor's performance of services under this Agreement shall not subject Contractor's

individual employees, officers, or directors to any personal liability, except where Contractor is a sole proprietor. The Parties agree that their sole and exclusive remedy, claim, demand, or suit shall be directed and/or asserted only against Contractor or the City, respectively, and not against any elected or appointed official, officers, boards, commissions, employees, representatives, consultants, servants, agents, attorneys and volunteers.

K. Force Majeure. Neither the City nor Contractor shall be liable for their respective non-negligent or non-willful failure to perform or shall be deemed in default with respect to the failure to perform (or cure a failure to perform) any of their respective duties or obligations under this Agreement or for any delay in such performance due to: (i) any cause beyond their respective reasonable control; (ii) any act of God; (iii) any change in applicable governmental rules or regulations rendering the performance of any portion of this Agreement legally impossible; (iv) earthquake, fire, explosion, or flood; (v) strike or labor dispute, excluding strikes or labor disputes by employees and/or agents of Contractor; (vi) delay or failure to act by any governmental or military authority; or (vii) any war, hostility, embargo, sabotage, civil disturbance, riot, insurrection, or invasion. In such event, the time for performance shall be extended by an amount of time equal to the period of delay caused by such acts, and all other obligations shall remain intact.

L. Headings. All headings herein are intended for convenience and ease of reference purposes only and in no way define, limit, or describe the scope or intent thereof, or of this Agreement, or in any way affect this Agreement.

M. No Third-Party Rights. This Agreement shall be exclusively for the benefit of the Parties and shall not provide any third parties with any remedy, claim, liability, reimbursement, cause of action or other right.

N. Successors and Assigns. Subject to the provision of this Agreement regarding assignment, each Party binds itself, its partners, successors, assigns, and legal representatives to the other Party hereto, its partners, successors, assigns, and legal representatives with respect to all covenants, agreements, and obligations contained in the Contract Documents.

O. Agreement Construction and Interpretation. Contractor represents that it has reviewed and become familiar with this Agreement. The Parties hereto agree that, if an ambiguity or question of intent or interpretation arises, this Agreement is to be construed as if the Parties had drafted it jointly, as opposed to being construed against a Party because it was responsible for drafting one or more provisions of the Agreement. In the interest of brevity, the Contract Documents may omit modifying words such as “all” and “any” and articles such as “the” and “an,” but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

P. Material Condition. Each term of this Agreement is material, and Contractor’s

breach of any term of this Agreement shall be considered a material breach of the entire Agreement and shall be grounds for termination or exercise of any other remedies available to the City at law or in equity.

Q. Use of Singular and Plural. Words or terms used as nouns in the Agreement shall be inclusive of their singular and plural forms, unless the context of their usage clearly requires contrary meaning.

R. Exhibits. Each and every exhibit referred to or otherwise mentioned in this Agreement is attached to this Agreement and is and shall be construed to be made a part of this Agreement by such reference or other mention at each point at which such reference or other mention occurs, in the same manner and with the same effect as if each exhibit were set forth in full and at length every time it is referred to or otherwise mentioned.

S. Defined Terms. Capitalized terms used in this Agreement shall have the meanings ascribed to them at the point where first defined, irrespective of where their use occurs, with the same effect as if the definitions of such terms were set forth in full and at length every time such terms are used.

T. Pronouns. Wherever appropriate in this Agreement, personal pronouns shall be deemed to include the other genders and the singular to include the plural.

[signature page follows]

IN WITNESS WHEREOF, the parties hereto have each caused this Contract to be executed and delivered by a duly authorized officer, agent or official as of the date set forth below.

CITY OF ALPHARETTA, GEORGIA

By:_____
Jim Gilvin, Mayor

Date: _____

Approved as to substance:

_____
Chris Lagerbloom, City Administrator

Approved as to form:
JARRARD & DAVIS, LLP

_____
Molly N. Esswein, City Attorney

PRIME CONTRACTORS, INC.

By: _____
James Dunn, President

ATTEST:

By: _____
Nancy Dunn, Corporate Secretary

EXHIBIT A

SOURCEWELL INDEFINITE QUANTITY CONSTRUCTION CONTRACT (GA-ST02-040820-PCI)

PARTICIPATION AGREEMENT (STATE OF GEORGIA DEPARTMENT OF ADMINISTRATIVE SERVICES (99999-SPD-520200901-00015)

DocuSign Envelope ID: F4E67E77-34B9-4398-9330-EDE91DE1D8E8

INDEFINITE QUANTITY CONSTRUCTION CONTRACT

IFB NUMBER: GA-040820 – State of Georgia

GEOGRAPHIC AREA: State of Georgia, Statewide Area

This Contract dated April 20, 2020, by and between Sourcewell (Formerly NJPA) and Prime Contractors, Inc. at the following address, 3406 Florence Circle, Powder Springs, GA 30127 hereinafter referred to as the CONTRACTOR.

WITNESSETH: Sourcewell and CONTRACTOR for the consideration hereafter agree as follows:

ARTICLE 1. CONTRACT DOCUMENTS

A. Contract Documents: This Contract; the IFB Documents; (Book 1 - Project Information, Instructions to Bidders and Execution Documents; Book 2 - IQCC Standard Terms and Conditions and General Conditions; Book 3 - Construction Task Catalog (CTC); Book 4 - Technical Specifications) and Addenda thereto; all payment and performance bonds (if any), material and workmanship bonds (if any); wage rate decisions and certified payroll records (if any); Notice of Award; all modifications issued thereto, including Supplemental Purchase Orders/Change Orders and written interpretations and all Purchase Orders and accompanying documents (Requests for Proposals, Detailed Scopes of Work, Purchase Order Proposals, etc.) issued hereunder.

B. The terms and conditions of a Purchase Order issued by a Sourcewell Member in connection with any Project, including supplemental technical specifications referenced therein, shall govern.

C. The Contractor shall, within two (2) business days of receipt of a Purchase Order from a Sourcewell Member, provide notification to Sourcewell or their designated representative of each Purchase Order by forwarding a copy of the Purchase Order via email to PO@EZIQC.com or via facsimile to(864) 233-9100.

D. The Contractor shall, within two (2) business days of sending an Invoice to a Sourcewell Member, provide notification to Sourcewell or their designated representative of each Invoice by forwarding a copy of the Invoice via email to Invoice@EZIQC.com or via facsimile to (864) 233-9100.

ARTICLE 2. SCOPE OF WORK

A. The Contractor shall provide the services required to develop each Purchase Order in accordance with the procedures for developing Purchase Orders set forth in the IQCC Standard Terms and Conditions and the Contract Documents.

B. Each Purchase Order developed in accordance with this Contract will be issued by an individual Sourcewell Member. The Purchase Order will require the Contractor to perform the Detailed Scope of Work within the Purchase Order Completion Time for the Purchase Order Price.

A. It is anticipated that the Contractor will perform Work primarily in the Geographic Area set forth above.

DocuSign Envelope ID: F4E67E77-34B9-4398-9330-EDE91DE1D8E8

However, the parties may agree that the Contractor can perform Work in a different Geographic Area at its current Adjustment Factors.

ARTICLE 3. THE CONTRACT PRICE

A. This Contract is an indefinite-quantity contract for construction work and services. The Estimated Annual Value of this Contract is $2,000,000. This is only an estimate and may increase or decrease at the discretion of Sourcewell.

B. The Contractor shall perform any or all Tasks in the Construction Task Catalog for the Unit Price appearing therein multiplied by the following Adjustment Factors for the region in which the Work is Performed:

TO BE ENTERED BY SOURCEWELL:

Area A – Northern Georgia Area

a. **Normal Working Hours – Non Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.0946.
(Specify to four (4) decimal places)

b. **Other Than Normal Working Hours – Non Secure Areas** : Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1162.
(Specify to four (4) decimal places)

c. **Normal Working Hours – Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1189.
(Specify to four (4) decimal places)

d. **Other Than Normal Working Hours – Secure Areas**: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

DocuSign Envelope ID: F4E67E77-34B9-4398-9330-EDE91DE1D8E8

1.1216.
(Specify to four (4) decimal places)

e. **Non Pre-priced Adjustment Factor**: To be applied to Work deemed not to be included in the CTC but within the general scope of the work:

1.1622.
(Specify to four (4) decimal places)

Area B – East Central Georgia Area

f. **Normal Working Hours – Non Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.0946.
(Specify to four (4) decimal places)

g. **Other Than Normal Working Hours – Non Secure Areas** : Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1162.
(Specify to four (4) decimal places)

h. **Normal Working Hours – Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1189.
(Specify to four (4) decimal places)

i. **Other Than Normal Working Hours – Secure Areas**: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1216.
(Specify to four (4) decimal places)

j. **Non Pre-priced Adjustment Factor**: To be applied to Work deemed not to be included in the CTC but within the general scope of the work:

DocuSign Envelope ID: F4E67E77-34B9-4398-9330-EDE91DE1D8E8

1.1622.
(Specify to four (4) decimal places)

Area C – Southwest Georgia Area

k. **Normal Working Hours – Non Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.0946.
(Specify to four (4) decimal places)

l. **Other Than Normal Working Hours – Non Secure Areas** : Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1162.
(Specify to four (4) decimal places)

m. **Normal Working Hours – Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1189.
(Specify to four (4) decimal places)

n. **Other Than Normal Working Hours – Secure Areas**: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1216.
(Specify to four (4) decimal places)

o. **Non Pre-priced Adjustment Factor**: To be applied to Work deemed not to be included in the CTC but within the general scope of the work:

1.1622.
(Specify to four (4) decimal places)

Area D – Southeast Georgia Area

p. **Normal Working Hours – Non Secure Areas**: Work performed from 7:00am until 4:00pm Monday

DocuSign Envelope ID: F4E67E77-34B9-4398-9330-EDE91DE1D8E8

to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.0946.
(Specify to four (4) decimal places)

q. **Other Than Normal Working Hours – Non Secure Areas** : Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1162.
(Specify to four (4) decimal places)

r. **Normal Working Hours – Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1189.
(Specify to four (4) decimal places)

s. **Other Than Normal Working Hours – Secure Areas**: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

1.1216.
(Specify to four (4) decimal places)

t. **Non Pre-priced Adjustment Factor**: To be applied to Work deemed not to be included in the CTC but within the general scope of the work:

1.1622.
(Specify to four (4) decimal places)

ARTICLE 4. TERM OF THE CONTRACT

A. This Contract has an initial term of one (1) year and a bilateral option provision for three (3) additional terms. The total term of the Contract cannot exceed two (4) years. One additional one-year renewal-extension may be offered by Sourcewell to Contractor beyond the original two-year term if Sourcewell deems such action to be in the best interests of Sourcewell and its Members. The Contractor may withdraw from the Contract on each anniversary of the award, provided that the Contractor gives 60 Days written notice of its intent to withdraw. Sourcewell may, for any reason, terminate this Contract at

DocuSign Envelope ID: F4E67E77-34B9-4398-9330-EDE91DE1D8E8

any time.

B. All Purchase Orders issued during a term of this Contract shall be valid and in effect notwithstanding that the Detailed Scope of Work may be performed, payments may be made, and the guarantee period may continue, after such term has expired. All terms and conditions of the Contract apply to each Purchase Order.

ARTICLE 5. SOFTWARE LICENSING

A. Sourcewell selected The Gordian Group's (Gordian) software, data and services (IQCC System) for their IQCC program. The system includes Gordian's proprietary ezIQC, eGordian and Bid Safe IQCC applications (IQCC Applications) and construction cost data (Construction Task Catalog), which shall be used by the Contractor to prepare and submit Price Proposals, subcontractor lists, and other requirements specified by Sourcewell and Sourcewell Members. The Contractor's use, in whole or in part, of Gordian's IQCC Applications and Construction Task Catalog and other proprietary materials provided by Gordian for any purpose other than to execute work under this Contract for Sourcewell and Sourcewell Members is strictly prohibited unless otherwise stated in writing by Gordian. The Contractor hereby agrees to abide by the terms of the following IQCC System License:

ARTICLE 6. IQCC SYSTEM LICENSE

A. Gordian hereby grants to the Contractor, and the Contractor hereby accepts from Gordian for the term of this Contract or Gordian's contract with Sourcewell, whichever is shorter, a non-exclusive right, privilege, and license to Gordian's proprietary IQCC System and related proprietary materials (collectively referred to as "Proprietary Information") to be used for the sole purpose of executing Contractor's responsibilities to Sourcewell and Sourcewell Members under this Contract ("Limited Purpose"). The Contractor hereby agrees that Proprietary Information shall include, but is not limited to, Gordian's IQCC Applications and support documentation, Construction Task Catalog, training materials, marketing materials and any other proprietary materials provided to Contractor by Gordian. In the event this Contract expires or terminates as provided herein, or the Gordian's contract with Sourcewell expires or terminates, this IQCC System License shall terminate and the Contractor shall return all Proprietary Information in its possession to Gordian.

B. Contractor acknowledges that Gordian shall retain exclusive ownership of all proprietary rights to the Proprietary Information, including all U.S. and international intellectual property and other rights such as patents, trademarks, copyrights and trade secrets. Contractor shall have no right or interest in any portion of the Proprietary Information except the right to use the Proprietary Information for the Limited Purpose set forth herein. Except in furtherance of the Limited Purpose, Contractor shall not distribute, disclose, copy, reproduce, display, publish, transmit, assign, sublicense, transfer, provide access to, use or sell, directly or indirectly (including in electronic form), any portion of the Proprietary Information.

C. Contractor acknowledges and agrees to respect the copyrights, trademarks, trade secrets, and other proprietary rights of Gordian in the Proprietary Information during and after the term of this Contract and shall at all times maintain complete confidentiality with regard to the Proprietary Information provided to Contractor, subject to federal, state and local laws related to public disclosure. Contractor further acknowledges that a breach of any of the terms of this Contract by Contractor will result in irreparable

DocuSign Envelope ID: F4E67E77-34B9-4398-9330-EDE91DE1D8E8

harm to Gordian for which monetary damages would be an inadequate remedy, and Gordian shall be entitled to injunctive relief (without the necessity of posting a bond) as well as all other monetary remedies available at law or in equity. In the event that it becomes necessary for either party to this IQCC System License to enforce the provisions of this Contract or to obtain redress for the breach or violation of any of its provisions, whether by litigation, arbitration or other proceedings, the prevailing party shall be entitled to recover from the other party all costs and expenses associated with such proceedings, including reasonable attorney's fees.

D. In the event of a conflict in terms and conditions between this IQCC System License and any other terms and conditions of this Contract or any Purchase Order, Order or similar purchasing document (Purchase Order) issued by Sourcewell or a Sourcewell Member, this IQCC System License shall take precedence.

IN WITNESS WHEREOF, the parties hereto have executed this Contract the day and year first above written.

By:

Sourcewell

DocuSigned by:
Jeremy Schwartz
C0FD2A139D06489...

Authorized Signature

Jeremy Schwartz- Director of Operations & Procurement/CPO

Print Name

Contractor

DocuSigned by:
Keith Dunn
37A3E940E68A4E7...

Authorized Signature

Keith Dunn

Print Name

Contract Number: **GA-ST02-040820-PCI** (assigned by Sourcewell)

Invitation for Bid (IFB) DOCUMENTS

Contractor – Open Market

IFB# GA-040820
State of Georgia

Indefinite Quantity Construction Contract

February 2020

INDEFINITE QUANTITY CONSTRUCTION CONTRACT (IQCC)

IFB# GA-040820

Solicitation Table

Area A

Northern Georgia Area

Solicitation Trade / Solicitation Number	Geographic Area	Bid Due Date and Time	Estimated Annual Value	Maximum Contract Term
General Construction / GA-A01-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A02-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A03-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A04-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A05-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A06-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A07-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A08-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A09-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-A10-040820	Area A Northern Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years

See Section Three (3) for Map and list of geographical areas.

INDEFINITE QUANTITY CONSTRUCTION CONTRACT
(IQCC)
IFB# GA-040820
Solicitation Table
Area B
East Central Georgia Area

Solicitation Trade / Solicitation Number	Geographic Area	Bid Due Date and Time	Estimated Annual Value	Maximum Contract Term
General Construction / GA-B01-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B02-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B03-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B04-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B05-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B06-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B07-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B08-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B09-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-B10-040820	Area B East Central Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years

See Section Three (3) for Map and list of geographical areas.

INDEFINITE QUANTITY CONSTRUCTION CONTRACT (IQCC)

IFB# GA-040820

Solicitation Table

Area C

Southwest Georgia Area

Solicitation Trade / Solicitation Number	Geographic Area	Bid Due Date and Time	Estimated Annual Value	Maximum Contract Term
General Construction / GA-C01-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C02-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C03-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C04-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C05-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C06-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C07-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C08-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C09-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-C10-040820	Area C Southwest Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years

See Section Three (3) for Map and list of geographical areas.

INDEFINITE QUANTITY CONSTRUCTION CONTRACT
(IQCC)
IFB# GA-040820
Solicitation Table
Area D
Southeast Georgia Area

Solicitation Trade / Solicitation Number	Geographic Area	Bid Due Date and Time	Estimated Annual Value	Maximum Contract Term
General Construction / GA-D01-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D02-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D03-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D04-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D05-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D06-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D07-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D08-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D09-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-D10-040820	Area D Southeast Georgia Area	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years

See Section Three (3) for Map and list of geographical areas.

INDEFINITE QUANTITY CONSTRUCTION CONTRACT
(IQCC)
IFB# GA-040820
Solicitation Table
Statewide Contracts

(Bidders who respond and win an award in all four geographical areas will be eligible for a Statewide Contract.)

Solicitation Trade / Solicitation Number	Geographic Area	Bid Due Date and Time	Estimated Annual Value	Maximum Contract Term
General Construction / GA-ST01-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST02-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST03-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST04-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST05-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST06-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST07-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST08-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST09-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years
General Construction / GA-ST10-040820	Statewide	**4:30 PM CT 04/08/2020**	$2,000,000	4 Years

See Section Three (3) for Map and list of geographical areas.

Bids for all contracts covered by this solicitation are due by
4:30 PM CT on April 8, 2020

Sourcewell (formerly known as the National Joint Powers Alliance or NJPA), issues this Invitation for Bid (IFB) to provide Indefinite Quantity Construction Contracting (IQCC) services to all Sourcewell Members including government agencies, education agencies such as colleges and universities, and non-profits agencies in the State of Georgia. Each contract will have an initial term of one year and bilateral option provision for three additional one- year terms. The Estimated Annual Value per contract is $2,000,000.00. One additional one-year renewal-extension may be offered by Sourcewell to Vendor beyond the original four-year term if Sourcewell determines such action to be in the best interests of Sourcewell and its Members.

This IFB consist of four Books:

Book 1: Project Information and Instructions to Bidders
Book 2: IQCC Standard Terms and Conditions; General Terms and Conditions
Book 3: Construction Task Catalog®
Book 4: Technical Specifications

IQCC is a contracting procurement system that provides facility owner's access to contractors to provide construction, repair and renovation services over an extended period of time.

Interested bidders are required to attend a pre-bid seminar that will be conducted for the purpose of discussing the IQCC procurement system, the contract documents, and reviewing the Sourcewell Procurement Portal system for responding to the IFB. Attendance at one of the below seminars is a mandatory condition of bidding.

March 16, 2020 @ 9:00 AM ET
Hampton Inn
875 West 1st St. NW
Rome, GA 30161

March 16, 2020 @ 2:00 PM ET
Gwinnett Technical College-Lawrenceville Campus
Building 100, Room 401 – Parking Lots A & B
5150 Sugarloaf Parkway
Lawrenceville, GA 30043

March 17, 2020 @ 2:00 PM ET
Courtyard Augusta
1045 Stevens Creek Road
Augusta, GA 30907

March 18, 2020 @ 9:00 AM ET
Courtyard Macon
3990 Sheraton Drive
Macon, GA 31210

March 18, 2020 @ 2:00 PM ET
Hampton Inn – Columbus North
7390 Bear Lane
Columbus, GA 31909

March 19, 2020 @ 9:00 AM ET
Courtyard by Marriott
3019 Kensington Court
Albany, GA 31721

March 19, 2020 @ 2:00 PM ET
Hampton Inn - Valdosta Conference Center
2 Meeting Place Drive
Valdosta, GA 31601

March 20, 2020 @ 9:00 AM ET
Hilton Garden Inn - Airport
80 Clyde E. Martin Drive
Savannah, GA 31408

Interested bidders can pre-register for the pre-bid seminar by visiting the Sourcewell Procurement Portal at https://proportal.sourcewell-mn.gov.

An electronic copy of the IFB Documents, including the instructions for submitting a bid, may be obtained by visiting the Sourcewell Procurement Portal at https://proportal.sourcewell-mn.gov and selecting the desired solicitation from the open solicitations list. All Bidders must have a Sourcewell Procurement Portal account and be registered as a Plan Taker for this Bid opportunity, which will enable the Bidder to download the Bid Documents, to receive email notifications of the issuance of addenda, to download all documents, and to submit a bid online.

Bids are due no later than 4:30 p.m. Central Time on April 8, 2020. Late bids will be rejected.

Questions related to this bid must be submitted through the Sourcewell Procurement Portal only by clicking on the "Submit a Question" button for this specific bid opportunity.

BOOK 1
Project Information, and Instructions to Bidders

IFB# GA-040820

State of Georgia
Indefinite Quantity Construction Contract

February 2020

This page intentionally left blank

Table of Contents

SECTION ONE - PROJECT INFORMATION 1

1. DEFINITIONS 1

2. ABOUT SOURCEWELL 2

3. DEFINED GOALS OF THE IFB 3

4. IQCC OVERVIEW 3

5. GEOGRAPHIC AREAS 5

6. THE IFB DOCUMENTS 5

7. QUALIFICATION OF BIDDERS 5

8. AWARD 6

9. ASSIGNMENT OF WORK 7

10. ORDER OF PRECEDENCE OF THE COMPONENTS OF THE CONTRACT DOCUMENTS 8

SECTION TWO – INSTRUCTIONS TO BIDDERS 9

1. GENERAL INFORMATION 9

2. SOLICITATION OF IFB 9

3. ADVERTISING OF SOLICITATION 9

4. QUESTIONS 10

5. PRE-BID SEMINAR 10

6. ADDENDA TO THE IFB DOCUMENTS 10

7. BID SUBMISSION PROCESS 10

8. BID TRANSMITTAL 11

9. CONTRACTOR'S MANAGEMENT PLAN 12

10. BID PRICING 12

11. MODIFICATION OR WITHDRAWAL OF A SUBMITTED BID 13

12. BIDDERS RESPONSIVENESS AND RESPONSIBILITY 14

13. CERTIFICATION 14

14. PROTESTS 14

15. PUBLIC RECORD 15

16. PREVAILING WAGE RATES AND PARTICIPATION REQUIREMENTS 15

17. MARKETING REQUIREMENT 15
18. MEMBER SIGN-UP PROCEEDURE 16
19. FEES 16
20. TAXES 17
21. PHYSICAL PRESENCE 17
SECTION THREE – GEOGRAPHIC MAP OF SOURCEWELL CONTRACT AREA 18
SECTION FOUR – SAMPLE INDEFINITE QUANTITY CONSTRUCTION CONTRACT 22

(The remainder of this page is intentionally left blank)

SECTION ONE - PROJECT INFORMATION

1. DEFINITIONS

1.1. Sourcewell: Sourcewell, formerly known as the National Joint Powers Alliance or NJPA, is a local government unit and public agency of the State of Minnesota pursuant to the Minnesota Constitution and enabling law Minnesota Statutes Section 123A.21. It has the authority to develop and offer, among other services, cooperative purchasing and joint purchasing services to its membership. Eligible membership and participation include states, cities, counties, all government agencies, both public and non-public educational agencies, colleges, universities, and certain non-profit organizations.

1.2. Joint Exercise of Powers: Sourcewell cooperatively shares those contracts with its Members nationwide through various joint exercise of powers laws established in Minnesota and applicable laws in other states. The Minnesota joint exercise of powers law, Minnesota Statutes Section 471.59, states "Two or more governmental units . . . may jointly or cooperatively exercise any power common to the contracting parties ...." Similar joint exercise of powers laws may exist within each state of the United States. The Minnesota law allows Sourcewell to serve Member agencies located in all other states. Municipal agencies nationally have the ability to participate in cooperative purchasing activities as a result of specific laws of their own state. These laws can be found on the website at www.sourcewell-mn.gov/compliance-legal.

1.3. Sourcewell Members:

1.3.1. Potential Sourcewell Members: A Potential Sourcewell Member is defined as any public or private educational entity, including colleges and universities, school districts or boards, and any governmental unit including a city, county, town, political subdivision of Minnesota or another state, and any agency of the State of Minnesota or the United States, any instrumentality of a governmental unit, and certain non-profits (Minnesota Statutes Section 471.59, subdivision 1). Membership in Sourcewell is required to participate in any Sourcewell Contract. Any current or potential Member of Sourcewell that is in compliance with the terms and conditions of membership, has the option and freedom to access any of the procurement contracts of Sourcewell.

1.3.2. Sourcewell Member: A Sourcewell Member is defined as an entity that has an executed membership agreement with Sourcewell.

1.4. Purchase Order: Purchase Orders for construction and services may be executed between Sourcewell or Sourcewell Members and the Contractor pursuant to this IFB and the resulting contracts.

1.4.1. Governing Law: Purchase Orders, as identified above, will be construed in accordance with, and governed by, the laws of a competent jurisdiction with respect to the Sourcewell Member. Each and every provision of law and clause required by law to be included in the Purchase Order will be read and enforced as though it were a part of the contract. In the event a legally required provision is not included, parties may amend the Contract to make such inclusion or correction. The venue for any litigation arising out of disputes related to Purchase Order(s) will be a court of competent jurisdiction to the Sourcewell Member issuing the Purchase Order.

1.4.2. **Additional Terms and Conditions:** Additional terms and conditions to a Purchase Order may be proposed by Sourcewell, Sourcewell Members, or Contractors. Acceptance of these additional terms and conditions must be agreed to by the parties to the Purchase Order. The purpose of these additional terms and conditions is to, among other things, formally introduce job or industry specific requirements of law such as prevailing wage legislation. Additional terms and conditions can include specific policy requirements and standard business practices of the issuing Sourcewell Member.

1.5. **Adjustment Factors:** Adjustment Factors are the Contractor's competitively proposed price adjustments to the Unit Prices as published in the Construction Task Catalog, Book 3. Adjustment Factors are expressed as an increase or decrease from the published Unit Prices.

1.6. **Construction Task Catalog (CTC):** A comprehensive listing of specific construction related Tasks, together with a specific unit of measurement and a Unit Price.

1.7. **Contract**: The written contract between the Contractor and Sourcewell covering the eligible Work that can be performed; and other Contract Documents incorporated in or referenced in the Contract and made part thereof as if provided therein.

2. ABOUT SOURCEWELL

2.1. Sourcewell is a local government unit and public agency pursuant to the Minnesota Constitution and enabling law Minnesota Statutes Section 123A.21 with the authority to develop and offer, among other services, cooperative and joint purchasing services to its membership. Eligible membership and participation include states, cities, counties, all government agencies, both public and non-public educational agencies, colleges, universities, and certain non-profit organizations.

2.2. Under the authority of Minnesota state laws and enabling legislation, Sourcewell facilitates a competitive solicitation and construction contracting process jointly and on behalf of the needs of itself and the needs of current and potential member agencies. This process results in construction contracts with various vendors of products, equipment, and services which Sourcewell Member agencies desire to procure. These contracts are created in compliance with applicable Minnesota laws. A complete listing of Sourcewell cooperative procurement contracts can be found at www.sourcewell-mn.gov/cooperative-purchasing/contracts-vendor-search.

2.3. Sourcewell is governed by a Board of Directors made up of publicly elected officials and it authorizes all solicitations.

2.3.1. **Subject to Approval of the Sourcewell Chief Procurement Officer as Ratified by the Board of Directors**: Sourcewell contracts are awarded by the action of the Sourcewell Chief Procurement Officer and ratified by the Board of Directors. This action is based on the open and competitive solicitation process facilitated by Sourcewell. The evaluation and resulting recommendation is presented to the Chief Procurement Officer by the Sourcewell Bid Review Committee and ratified by the Board of Directors.

2.4. Sourcewell currently serves over 50,000 members. Both membership and utilization of Sourcewell contracts continue to expand, due in part to the increasing acceptance of cooperative and joint purchasing throughout the government and education communities nationally.

3. DEFINED GOALS OF THE IFB

3.1. The goal of this IFB is to establish a group of indefinite quantity construction contracts (IQCC) that Sourcewell and Sourcewell Members may access to complete repair, maintenance and minor new construction Projects at competitively solicited prices. The Contractors will perform an ongoing series of individual Projects for Sourcewell Members at different locations primarily within the designated Geographic Area.

3.2. A benefit to the bidder is that one bid package may be prepared to compete on multiple contract opportunities. The resulting awarded contracts will be available to Sourcewell members that are comprised of government, education, and non-profit entities throughout the geographic area. Contracts awarded through Sourcewell ensure fair and open competition to help members in their procurement process; however, Sourcewell members are responsible to ensure that their applicable laws are satisfied. Post contract award, members may issue Purchase Orders to the contractor without the necessity of preparing their own IFB. This saves Sourcewell members time and allows for more economical and efficient purchasing.

4. IQCC OVERVIEW

4.1. IQCC is a competitively solicited indefinite quantity construction contract awarded to Contractors to accomplish the repair, alteration, modernization, rehabilitation, and minor new construction of infrastructure, buildings, structures, or other real property. The Estimated Annual Value is based on the anticipated estimated annual use and the contract term is one year with bilateral option terms. The IFB Documents include a Construction Task Catalog (CTC) containing repair and construction Tasks with preset Unit Prices. All Unit Prices are based on local labor, material and equipment prices for the direct cost of construction. Once contracts are awarded, Sourcewell Members will order Work from the CTC by issuing a Purchase Order against the contract.

4.2. Bidders will offer price adjustments (Adjustment Factors) to be applied to the CTC Unit Prices. The Adjustment Factors represent either an increase to (such as 1.1000) or a decrease from (such as 0.9800) the preset Unit Prices. The amount to be paid for the Work ordered will be determined by: multiplying the preset Unit Prices by the appropriate quantities and by the appropriate Adjustment Factor. The CTC and the Contractor's Adjustment Factors will be incorporated into the awarded contract.

4.3. Under IQCC, the Contractor furnishes management, labor, materials, equipment and incidental design support needed to perform the Work.

4.4. As Projects are identified, the Contractor will jointly scope the Work with the Sourcewell Member. The Sourcewell Member will prepare a Detailed Scope of Work and issue a Request for Proposals to the Contractor. The Contractor will then prepare a Proposal Package for the Project including a Price Proposal, Schedule, list of identified subcontractors, and other requested documentation such as cut sheets for materials. If the Proposal Package is found to be reasonable, the Sourcewell Member will issue a Purchase Order. The Purchase Order will reference the Detailed Scope of Work and set forth the Purchase Order Completion Time, and the Purchase Order Price. The Contractor must perform the Detailed Scope of Work within the Purchase Order Completion Time for the Purchase Order Price. Extra Work, credits, and deletions will be contained in Supplemental Purchase Orders calculated in the same manner.

4.5. Sourcewell, through a formal selection process, awarded a professional service agreement to The Gordian Group (Gordian) for its IQCC program. The system includes Gordian's proprietary ezIQC, eGordian and Bid Safe IQCC applications (IQCC Applications), and construction cost data (Construction Task Catalog), which will be used by the Contractor to prepare and submit Price Proposals, subcontractor lists, and other requirements specified by Sourcewell and Sourcewell Members. The Contractor's use, in whole or in part, of Gordian's IQCC Applications and Construction Task Catalog and other proprietary materials provided by Gordian for any purpose other than to execute work under this Contract for Sourcewell and Sourcewell Members is strictly prohibited unless otherwise stated in writing by Gordian. The Contractor hereby agrees to abide by the terms of the following Gordian IQCC System License:

IQCC System License

Gordian hereby grants to the Contractor, and the Contractor hereby accepts from Gordian for the term of this Contract or Gordian's contract with Sourcewell, whichever is shorter, a non-exclusive right, privilege, and license to Gordian's proprietary IQCC System and related proprietary materials (collectively referred to as "Proprietary Information") to be used for the sole purpose of executing Contractor's responsibilities to Sourcewell and Sourcewell Members under this Contract ("Limited Purpose"). The Contractor hereby agrees that Proprietary Information will include, but is not limited to Gordian's IQCC Applications and support documentation, Construction Task Catalog, training materials, marketing materials and any other proprietary materials provided to Contractor by Gordian. In the event this Contract expires or terminates as provided herein, or the Gordian's contract with Sourcewell expires or terminates, this IQCC System License will terminate and the Contractor will return all Proprietary Information in its possession to Gordian.

Contractor acknowledges that Gordian will retain exclusive ownership of all proprietary rights to the Proprietary Information, including all U.S. and international intellectual property and other rights such as patents, trademarks, copyrights and trade secrets. Contractor will have no right or interest in any portion of the Proprietary Information except the right to use the Proprietary Information for the Limited Purpose set forth herein. Except in furtherance of the Limited Purpose, Contractor must not distribute, disclose, copy, reproduce, display, publish, transmit, assign, sublicense, transfer, provide access to, use or sell, directly or indirectly (including in electronic form), any portion of the Proprietary Information.

Contractor acknowledges and agrees to respect the copyrights, trademarks, trade secrets, and other proprietary rights of Gordian in the Proprietary Information during and after the term of this Contract , and must at all times maintain complete confidentiality with regard to the Proprietary Information provided to Contractor, subject to federal, state and local laws related to public disclosure. Contractor further acknowledges that a breach of any of the terms of this Contract by Contractor will result in irreparable harm to Gordian for which monetary damages would be an inadequate remedy, and Gordian will be entitled to injunctive relief (without the necessity of posting a bond) as well as all other monetary remedies available at law or in equity. In the event that it becomes necessary for either party to this IQCC System License to enforce the provisions of this Contract or to obtain redress for the breach or violation of any of its provisions, whether by litigation, arbitration or other proceedings, the prevailing party will be entitled to recover from the other party all costs and expenses associated with such proceedings, including reasonable attorney's fees.

In the event of a conflict in terms and conditions between this IQCC System License and any other terms and conditions of this Contract or any Order, Purchase Order or similar purchasing document (Purchase Order) issued by Sourcewell or a Sourcewell Member, this IQCC System License will take precedence.

4.6. The Sourcewell Member (or the Sourcewell Member Designated Representative), with the assistance of Gordian, will identify Projects and develop a draft scope of the work. The Contractor and Gordian will then assist the Sourcewell Member in developing a final scope of work. The Sourcewell Member will then issue a Detailed Scope of Work and a Request for Proposals to the Contractor. The Contractor will then utilize Gordian's IQCC System to prepare a Price Proposal for the Purchase Order including a Schedule, list of identified subcontractors, and other requested documentation such as cut sheets for materials. Gordian will assist the Sourcewell Member with Price Proposal review, and if the Price Proposal is found to be reasonable, the Sourcewell Member will issue a Purchase Order to Contractor. The Purchase Order will reference the Detailed Scope of Work and set forth the Purchase Order Completion Time, and the Purchase Order Price. The Contractor will perform the Detailed Scope of Work within the Purchase Order Completion Time for the Purchase Order Price. Extra Work, credits, and deletions will be contained in Supplemental Purchase Orders calculated in the same manner.

4.7. The Contractor must, within two (2) business days of receipt of a Purchase Order from a Sourcewell Member, provide notification to Sourcewell of each Purchase Order by forwarding a copy of the Purchase Order via email to PO@ezIQC.com or via facsimile to (864) 233-9100.

4.8. The Contractor must, within two (2) business days of sending an Invoice to a Sourcewell Member, provide notification to Sourcewell of each Invoice by forwarding a copy of the Invoice via email to Invoice@ezIQC.com or via facsimile to (864) 233-9100.

5. GEOGRAPHIC AREAS

5.1. Sourcewell solicits bids for the Geographic Area as shown on Section Three. This solicitation is for the Geographic Area(s) as specified in this IFB. Sourcewell uses the Geographical Area for bidding purposes. Contractors may perform work for Sourcewell Members located outside the defined Geographical Area upon award.

6. THE IFB DOCUMENTS

6.1. The IFB Documents consist of four Books:
Book 1: Project Information, and Instructions to Bidders
Book 2: IQCC Standard Terms and Conditions; General Terms and Conditions
Book 3: Construction Task Catalog
Book 4: Technical Specifications

7. QUALIFICATION OF BIDDERS

7.1. Only bids from firms normally engaged in performing the type of work specified within the IFB Documents will be considered. Bidder must have adequate organization, facilities, equipment, and personnel to ensure prompt and efficient service to a Sourcewell Member (as solely determined by Sourcewell).

7.2. In determining a Bidder's responsibility and ability to perform the Contract, Sourcewell has the right to investigate and request information concerning the financial condition, experience record, personnel, equipment, facilities, principal business location and organization of the Bidder, the Bidder's record with environmental regulations, and the claims/litigation history of the Bidder.

7.3. Bidder must have a fully functioning office within the Geographical Area it is bidding.

8. AWARD

8.1. Contract Awards will be made by the Sourcewell Chief Procurement Officer and ratified by the Board of Director based on the recommendation of the Sourcewell Bid Evaluation Committee jointly and on behalf of its current and future Sourcewell Members.

8.2. It is the intent of Sourcewell to award each Contract to the lowest, responsive, responsible Bidder(s) based on the Combined Adjustment Factor as shown on the Bid, provided however, no Bidder will be awarded more than one Contract. In the event a Bidder submits the lowest bid on more than one Solicitation, Sourcewell may determine which Contract will be awarded to which Bidder based on the combination of bids resulting in the lowest overall cost to the Sourcewell Members. Sourcewell will have the right to waive any informality or irregularity in any Bidder's Response received and to accept the Bidder's Response(s), which in its judgment, is (are) in the best interests of Sourcewell and Sourcewell Members. Sourcewell reserves the right to reject all Bid Responses and advertise again if, in Sourcewell's opinion, the received bids do not meet or exceed the minimum needs and expectations of the Sourcewell current and qualifying members. Sourcewell reserves the right to award additional Contracts from this solicitation for a period of 180 Days (or longer, if mutually agreeable to both the Bidder and Sourcewell).

8.3. Bidders who respond in all four geographical areas will be eligible for Statewide Contract Awards. The ranking of Bidders eligible for Statewide Awards will be determined by averaging the bidder's combined adjustment factor across all four geographical areas. Statewide Contract Awardees will not be awarded individual contracts within the areas submitted, however awarded Statewide Awarded contractors will be allowed to conduct work across all four geographical areas using the corresponding Construction Task Catalog and adjustment factors submitted for each geographical area.

8.4. Additionally, the Bidder is required to submit a Management Plan, see Article 9, Section Two Instructions to Bidders. The Bidder's Management Plan will provide Sourcewell information to gauge the responsibility of the Bidder.

8.5. A Bidder will not be awarded more than one same scope Contract within any Geographic Area.

8.6. Competitive Range Determination - if a wide margin is found in the Adjustment Factors submitted in response to the solicitation; being too high or too low, then the Sourcewell Bid Evaluation Committee may establish a Competitive Range for the solicitation. If it is determined that a Bidder's Combined Adjustment Factor is too far outside the Competitive Range then the Bidder can be removed from consideration. The Bidder shall be notified that they were determined to be outside the Competitive Range after award of the contracts.

8.7. Unbalancing of Bids – A Bid may be removed from consideration if it is determined that the Bidder has mathematically unbalanced their Bid to gain a competitive advantage. The Bid will be considered to be unbalanced if any Adjustment Factor is found to not cover the contractor's reasonable actual cost. Those costs would include a reasonable prorated share of their

anticipated profit, overhead cost, and other indirect costs that the bidder anticipates for the performance of the work as determined by the Sourcewell Bid Review Committee.

8.8. The Other Than Normal Working Hours Adjustment factors (non-secured and secured) must be equal to or greater than the corresponding Normal Working Hours Adjustment Factors (non-secured and secured).

8.9. **The Non Pre-priced adjustment Factor without Administrative Fees must be between 1.0500 and 1.2000.**

9. ASSIGNMENT OF WORK

9.1. The assignment of the Work is at the sole discretion of the Sourcewell Member. The Contractor's Adjustment Factors, performance history, and ability to perform the Work will be considered in determining the distribution of the Work.

9.2. BidSafe: Sourcewell may issue a Request for Quotation (RFQ) to two or more Contractors for a Work Order. Selection of the Contractor and award of the Work Order will be in compliance with established Sourcewell procedures.

9.3. Sourcewell reserves the right to utilize Bid Safe on a Work Order by Work Order basis.

9.4. Sourcewell will consider several factors when determining the applicability of Bid Safe to a Work Order including, but not limited to, the following:

- **9.4.1.** Estimated Work Order Amount;
- **9.4.2.** Scope documentation, including but not limited A/E design;
- **9.4.3.** Nature and complexity of the Work;
- **9.4.4.** Contractors' abilities to self-perform the Work;
- **9.4.5.** Contractors' proven capabilities on similar Work;
- **9.4.6.** Schedule; and;
- **9.4.7.** Other appropriate criteria as deemed in the best interest of the Sourcewell Member.

9.5. The Detailed Scope of Work will be developed by the Sourcewell Member personnel and included with the RFQ.

9.6. Sourcewell may conduct one or more site visits with all contractors designated to Receive the RFQ.

9.7. All contractors that receive the RFQ will have the opportunity to submit requests for information. Should Sourcewell choose to respond to any or all of the requests for information, the responses, and any changes to the RFQ, will be provided in an addendum to all contractors designated to receive the RFQ.

9.8. The Contractor will utilize the Bid Safe application in the eGordian software to provide a Not to Exceed Offer (NTE Offer), along with any additional requested documentation, in response to the RFQ.

9.9. Sourcewell will issue a Request for Proposal to the Contractor submitting the NTE Offer that provides the best value to the Sourcewell Member based on, but not limited to, price and any technical factors considered.

9.10. The NTE Offer is valid for 120 Days from the date of opening unless stated otherwise in the Detailed Scope of Work.

9.11. The Contractor that receives a Request for Proposal will submit a Price Proposal to Sourcewell. Provided that any necessary Price Proposal modifications are completed in a timely and thorough manner, Sourcewell will deliver a Work Order Proposal Package for the Sourcewell Member's consideration.

9.12. The Work Order Amount shall be equal to the lessor of the NTE Offer and the Price Proposal amount.

9.13. Where the NTE Offer is less than the Price Proposal, the difference between the NTE Offer and Price Proposal shall be deemed a discount offered by the Contractor. The discount amount shall be a percent-based discount that will be calculated by the following equation:

9.13.1. Percent Discount = (Price Proposal Amount – NTE Offer) ÷ Price Proposal Amount The discount shall be applied to subsequent Work Orders (additions or deletions) required to complete the Work, provided the Work Order contains materials, equipment and tasks that are similar in nature to the original Detailed Scope of Work.

9.14. If Sourcewell exercises its right to award a Work Order utilizing Bid Safe, collaboration between Contractors is specifically prohibited. Contractor collaboration undermines competition, and evidence of such will be considered a material breach of this Contract and grounds for termination for cause.

10. ORDER OF PRECEDENCE OF THE COMPONENTS OF THE CONTRACT DOCUMENTS

10.1. The order of precedents of the Contract Documents shall be as follows:

- Purchase Order which may include Plans, Drawings and supplemental Technical Specifications
- Standard Specifications of the Sourcewell Member, the city, state or federal government, if any
- Sourcewell Contract
- Addenda to this IFB, if any
- Book 2 – IQCC Standard Terms and Conditions
- Book 2 – General Terms and Conditions
- Book 3 – Construction Task Catalog
- Book 4 – Technical Specifications
- Book 1 – Instruction to bidders

(Balance of this page intentionally left blank)

SECTION TWO – INSTRUCTIONS TO BIDDERS

1. GENERAL INFORMATION

1.1. The following instructions are given for the purpose of guiding Bidders in properly preparing their bids. Such instructions are part of the IFB Documents, and strict compliance is required with all the provisions contained in the instructions.

1.2. Examination of IFB Documents

1.2.1. It is the responsibility of each Bidder before submitting a Bid, to:

1.2.1.1. Examine the IFB Documents thoroughly,

1.2.1.2. Take into account federal, state and local laws, regulations, ordinances, and applicable procurement codes that may affect costs, progress, performance, and furnishing of the Work, or award,

1.2.1.3. Study and carefully correlate Bidder's observations with the IFB Documents, and

1.2.1.4. Carefully review the IFB Documents and notify Sourcewell of all conflicts, errors or discrepancies in the IFB Documents of which Bidder knows or reasonably should have known.

1.3. The submission of a Bid shall constitute an incontrovertible representation by Bidder that Bidder has complied with the above requirements and that without exception, the Bid is premised upon performing and furnishing the Work required by the IFB Documents and that the IFB Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

1.4. Bidders should include all relevant information in its submittal. Sourcewell cannot consider information that is not provided in the submittal. Sourcewell reserves the right to verify Bidder's information and may request clarification from a Bidder.

2. SOLICITATION OF IFB

2.1. Bids will be received in an electronical format only, through the Sourcewell Procurement Portal at https://proportal.sourcewell-mn.gov , until the deadline for receipt stated in this IFB. **Bids will be for the provision of Indefinite Quantity Construction Contract services for both Sourcewell and Sourcewell Members, and all government and education agencies to include colleges and universities, and certain non-profit agencies.**

2.2. Complete IFB Documents will be made available through the Sourcewell Procurement Portal (https://proportal.sourcewell-mn.gov). Paper, oral, facsimile, telephone, or other electronic submissions (other than through the Sourcewell Procurement Portal) are invalid and will not receive consideration.

3. ADVERTISING OF SOLICITATION

3.1. As required by law, **Sourcewell must advertise this solicitation**. It will be posted on Sourcewell's website, and posted to other third party websites deemed appropriate by Sourcewell. This advertisement is also submitted for posting at individual state levels.

3.2. In addition, **Sourcewell shall advertise in one or more publications distributed in the geographic area**, including, but not limited to, newspapers and other publications consistent with state law regarding notice of this invitation for bid.

4. QUESTIONS

4.1. Questions related to this bid are to be submitted through the Sourcewell Procurement Portal only by clicking on the "Submit a Question" button for this specific bid opportunity. All questions must be submitted prior to **April 1, 2020, at 4:30 PM Central Time**. Sourcewell urges potential bidders to communicate all concerns during the response period to avoid misunderstandings.

4.2. If question is deemed by Sourcewell to have a material impact on the IFB, the response to the Question will become an Addendum to these IFB Documents.

5. PRE-BID SEMINAR

5.1. A Pre-bid seminar will be held at the places and times listed in this Invitation for Bid for the purpose of discussing the IQCC procurement system, the IFB Documents, and reviewing the Sourcewell Procurement Portal system for responding to the IFB. **Attendance at one of the Pre-Bid Seminar(s) is mandatory to be deemed responsive.**

6. ADDENDA TO THE IFB DOCUMENTS

6.1. Addenda are written instruments issued by Sourcewell that modify or interpret these IFB Documents. All Addenda issued by Sourcewell will become a part of the IFB Documents. Addenda will be delivered to all potential bidders through the Sourcewell Procurement Portal. Sourcewell accepts no liability in connection with the delivery of said materials. No Addenda will be issued later than five (5) Days prior to the deadline for receipt of bids, except an Addendum withdrawing the request for bids or one that includes postponement of the date of receipt of bids.

6.2. Bidders must acknowledge receipt of any addenda when submitting their Bid through the Sourcewell Procurement Portal by checking a box for each addendum and any applicable attachment. It is the responsibility of the Bidder to have received all Addenda that are issued. Bidders should check the Sourcewell Procurement Portal prior to submitting their Bid and up until Bid closing time and date in the event additional addenda are issued. If a Bidder submits its bid prior to the Bid closing time and date and an addendum is issued, the Bidding System automatically **WITHDRAWS** the Bid submission and the bid status will change to an **INCOMPLETE STATUS**. The Bidder can view this status change in the "**MY BIDS**" section of the Bidder's Sourcewell Procurement Portal Account. The Bidder is solely responsible to:

- **6.2.1.** Make any required adjustments to their Bid; and
- **6.2.2.** Acknowledge addenda; and
- **6.2.3.** Ensure the re-submitted Bid is **RECEIVED** by the Bidding System no later than the stated bid closing time and date.

7. BID SUBMISSION PROCESS

7.1. PREPARATION OF THE BID RESPONSE

7.1.1. Bids will be submitted as follows:

7.1.1.1. All Bidders must have a Sourcewell Procurement Portal account and register as a Plan Taker for this Bid opportunity. Registering as a Plan Taker will enable the Bidder to download the Bid Documents, receive Addenda email notifications, download all documents and submit the Bid electronically online.

7.1.1.2. ONLY ELECTRONIC BID SUBMISSIONS through the Sourcewell Procurement Portal will accepted. Bidders are cautioned that the timing of their Bid submission is based on when the Bid is RECEIVED by the Sourcewell Procurement Portal system, and not when a Bid is submitted by a Bidder. Bid transmission can be delayed due to file transfer size, transmission speed, etc. For those reasons, it is recommended the Bidder allow sufficient time to upload their Bid Submission and attachment(s) (if applicable) and to resolve any issues that may arise.

7.1.1.3. The closing time and date will be determined by the Sourcewell Procurement Portal web clock.

7.1.2. The bid documents must be submitted with all required content as set out in the Sourcewell Procurement Portal. Failure to properly complete or upload the required bid documents may result in rejection of the bid and cause the bid to be deemed non-responsive.

7.1.3. Mistakes may be corrected prior to bid due date through the Sourcewell Procurement Portal. Corrections and/or modifications received after the closing time and date will not be accepted. The Bidder is solely responsible to ensure the corrected or modified bid has been received by the Sourcewell Procurement Portal system no later than the stated IFB closing time and date.

7.1.4. It is the responsibility of all Bidders to examine the entire IFB package, to seek clarification of any item or requirement that may not be clear and to check all responses for accuracy before submitting a bid. Negligence in preparing a bid confers no right of withdrawal after the deadline for submission of bids.

8. BID TRANSMITTAL

8.1. Sourcewell has contracted with bids&tenders to provide technical support for the Sourcewell Procurement Portal. Bidders should contact bids&tenders support at support@bidsandtenders.ca, at least 24 hours prior to the Bid closing time and date, if problems are encountered in the bid submission process.

8.2. Bidders are solely responsible for ensuring all required documentation is submitted through the Sourcewell Procurement Portal no later than the date and time listed in this IFB. Sourcewell is not responsible for late receipt of bids. Late bids will not be considered. The Sourcewell Procurement Portal System will send a confirmation email to the Bidder when the bid has been successfully submitted. If the Bidder does not receive a confirmation email, contact bids&tenders support at support@bidsandtenders.ca.

9. CONTRACTOR'S MANAGEMENT PLAN

9.1. The Bidder is required to answer questions pertaining to its plan for management of the contract. All Management Plan questions will be found within the specifications tab of the IFB. The Contractor's Management Plan questions **must be** answered in order to submit a bid.

9.2. In addition to the bid documents and other required submittals, the Contractor's Management Plan will be used by Sourcewell to determine the responsibility of the Bidder to perform the contract. Therefore, the Bidder should take great care in the preparation of the Management Plan answers. These answers will become part of the complete submitted bid.

9.3. The Bidder may be determined non-responsive for failure to submit the Management Plan questions and/or declared non-responsible for failure to adequately address all points in the questions to the satisfaction of Sourcewell.

9.4. Management Team:

9.4.1. The Bidder is required to submit its Management Team for the contract as an uploaded document. The document should be titled **"MANAGEMENT TEAM FOR EXECUTION OF IQCC."** The Contractor's Management Team **must be** submitted as part of the Bidder's bid documents in the document upload section and must provide the following elements.

9.4.2. Provide an organizational chart.

9.4.3. Describe the responsibilities and duties of each position by indicating who will manage the overall contract, attend Joint Scope Meetings, prepare Proposal Packages, negotiate with Subcontractors, supervise construction, and perform administration tasks.

9.4.4. Provide resumes for your **key** personnel you intend to assign to this contract.

9.5. Provide a current list of the number and classification of your full time employees.

10. BID PRICING

10.1. Each Bidder must submit five (5) Adjustment Factors to be applied to every task in the CTC. The bid shall be an adjustment "decrease from" (e.g. 0.9800) or "increase to" (e.g. 1.1000) the Unit Prices listed in the CTC.

10.2. The Bidder's Adjustment Factors shall include all of the Bidder's direct and indirect costs including, but not limited to, its costs for overhead, profit, bond premiums above the reimbursable amount, insurance, mobilization, Purchase Order Proposal development, and all contingencies in connection therewith. See pages 00-1 – 00-6 of Book 3 – the CTC for a complete explanation of what is included in the Unit Prices and what is not.

10.3. The first Adjustment Factor is to be applied to Work to be accomplished during Normal Working Hours: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays, and performed in Non-Secure Areas.

10.4. The second Adjustment Factor is to be applied to Work to be accomplished during Other Than Normal Working Hours: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays and performed in Non -Secure Areas.

10.5. The third Adjustment Factor is to be applied to Work to be accomplished during Normal Working Hours: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays and performed in Secure Areas.

10.6. The fourth Adjustment Factor is to be applied to Work to be accomplished during Other Than Normal Working Hours: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays and performed in Secure Areas.

10.7. The fifth Adjustment Factor is for work tasks not identified in the Construction Task Catalog. IQCC includes a provision for establishing of prices for Work requirements which are within the general scope of IQCC but were not included in the CTC at the time of Contract award, see Book 2 Section One, Article 8. These Tasks are referred to as "Non Pre-priced Tasks (NPP)". NPP Tasks may require new specifications and drawings and may subsequently be incorporated into the CTC. The bidders will offer an Adjustment Factor to be applied to the actual material, equipment, and labor cost for NPP work Tasks. **The NPP Adjustment Factor shall not be less than 1.0500 and not higher than 1.2000, excluding Administrative Fees.**

10.8. Adjustment Factors must be specified to the fourth decimal place. For example:

1	**.**	**1**	**0**	**0**	**0**

Or

0	**.**	**9**	**8**	**0**	**0**

10.9. For bid evaluation purposes only, the following weighting of the Adjustment factors shall be used to determine the Combined Adjustment Factor:

Adjustment Factors	Weight
NORMAL WORKING HOURS - NON-SECURE AREAS	60%
OTHER THAN NORMAL WORKING HOURS - NON-SECURE AREAS	10%
NORMAL WORKING HOURS - SECURE AREAS	10%
OTHER THAN NORMAL WORKING HOURS - SECURE AREAS	10%
NON PRE-PRICED	10%

11. MODIFICATION OR WITHDRAWAL OF A SUBMITTED BID

11.1. A submitted bid may not be modified, withdrawn or cancelled by the Bidder for a period of one hundred and eight (180) Days following the time and date designated for the receipt of bids. Prior to the deadline for submission of bids, any bid submitted may be modified or withdrawn through the Sourcewell Procurement Portal.

12. BIDDERS RESPONSIVENESS AND RESPONSIBILITY

12.1. In accordance with accepted standards for competitive sealed bid processes, awards will be made to responsive and responsible Bidders whose bids are determined in writing to be the most advantageous to Sourcewell and its Members. To qualify for evaluation, a bid must be responsive which means it shall have been submitted on time and materially satisfy all mandatory requirements identified in this document. A bid must reasonably and substantially conform to all the terms and conditions in the solicitation to be considered responsive. Deviations or exceptions stipulated in Bidder's response, while possibly necessary in the view of the Bidder, may result in disqualification. Language to the effect that the Bidder does not consider this solicitation to be part of a contractual obligation will result in that bid being disqualified by Sourcewell.

13. CERTIFICATION

13.1. By submitting a bid, the Bidder certifies:

13.1.1. The submission of the offer did not involve collusion or any other anti-competitive practices;

13.1.2. It shall not discriminate against any employee or applicant for employment in violation of federal and state laws (see Federal Executive Order 11246);

13.1.3. It has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor or service to a public servant in connection with the submitted offer (see Gratuities); and

13.1.4. It agrees to promote and offer to Sourcewell Members only those products and/or services as previously stated, allowed and deemed a resultant of the Contract(s) as Sourcewell Contract items or services. This clause shall include any future product or service additions as allowed through contract additions.

14. PROTESTS

14.1. Any protest made under this IFB by a Proposer must be in writing, addressed to Sourcewell's Executive Director, and delivered to the Sourcewell office located at 202 12th Street NE, P.O. Box 219, Staples, MN 56479. The protest must be received no later than ten (10) calendar days' following Sourcewell's notice of contract award(s) or non-award and must be time stamped by Sourcewell no later than 4:30 p.m., Central Time. A protest must include the following items:

14.1.1. The name, address and telephone number of the protester;

14.1.2. The original signature of the protester or its representative;

14.1.3. Identification of the solicitation by IFB number;

14.1.4. A precise statement of the relevant facts;

14.1.5. Identification of the issues to be resolved;

14.1.6. Identification of the legal or factual basis;

14.1.7. Any additional supporting documentation; and

14.1.8. Protest bond in the amount of $20,000.00

Protests that do not address these elements will not be reviewed.

15. PUBLIC RECORD

15.1. All bids submitted to this invitation shall become the property of the Sourcewell and will become a matter of public record, available for review subsequent to the award notification. Bids may be viewed by appointment at the Sourcewell offices Monday through Friday from 8:30 a.m. to 3:30 p.m. Central Time.

16. PREVAILING WAGE RATES AND PARTICIPATION REQUIREMENTS

16.1. This clause is applicable to states in which prevailing wage rates are established by law. The Contractor shall pay prevailing wages to all workers in accordance with the applicable laws. The wage rates used for the CTC were the prevailing wage rates, if any; in effect at the time these IFB Documents were issued. In the performance of the Work, however, Contractor shall be fully responsible for paying the generally prevailing hourly rate of wages in effect, as determined by the State Department of Labor and/or Commerce, at the time the Work is performed. If the State Department of Labor and/or Commerce revises the prevailing rate of hourly wages to be paid for the Work prior to completion of the Project, the revised rate shall apply to this Contract from the effective date of such revision, however such revision shall not entitle Contractor to any increased compensation under the terms of the Contract.

16.2. If other wage rates are required by law, the Contractor shall pay such wages to all workers in accordance with the applicable laws. If the Purchase Order is performed in whole or in part using federal funding, then the Davis Bacon Wages for that area will apply.

16.3. Contractors shall meet any goals or requirements established by the Sourcewell Member ordering the Work, and/or satisfy the intent of said goals or requirements, with regard to small, local, minority, women, veteran or disadvantaged business enterprises. Additional participation goals may be incorporated into the detailed scope of work.

17. MARKETING REQUIREMENT

17.1. Bidder must express a willingness and ability to take ownership and promote the services to be provided. Contractor must agree to work in cooperation with Sourcewell to develop a marketing strategy and provide avenues to equally market and drive sales through the Contract and program to all Sourcewell Members and Potential Sourcewell Members. Bidder agrees to actively market in cooperation with Sourcewell all available services to current Sourcewell Members, as well as Potential Sourcewell Members.

17.2. If bidder is awarded a contract based on this solicitation your sales force will be a primary driver of everyone's success. Bidders needs to be aware that:

- **17.2.1.** The use of a Sourcewell Contract will save their customer (Sourcewell's Member) the time and effort of soliciting its own individual IFB;
- **17.2.2.** The use of the Sourcewell Contract will save time and effort of responding to individual Invitations for Bid IFB; and
- **17.2.3.** The use of the Sourcewell Contract will guaranty that Sourcewell Members have the ability to choose you.

17.3. An award of a contract resulting from this IFB is an opportunity for the awarded contactor to pursue commerce with and deliver value to Sourcewell and Sourcewell Members, but it is not a

guarantee of work. As such the Bidder will demonstrate in the Management Plan specific marketing strategies, personnel and the qualifications of those personnel to market IQCC and the frequency and duration of marketing efforts. Sourcewell reserves the right to deem a Bidder non-responsive or to waive an award based on a Bidder's unwillingness to participate in such a marketing effort or by submitting an unsatisfactory marketing strategy as part of the overall management plan. Further marketing requirements will be found in Book Two Section One, Article 9 of this IFB.

18. MEMBER SIGN-UP PROCEEDURE

18.1. Bidder agrees to cooperate and participate in the Sourcewell Membership process as part of connecting Sourcewell Members to Sourcewell contracts. The process to sign up new Sourcewell Members to purchase under this Contract will be defined during the award phase.

19. FEES

19.1. The bidder shall include the Sourcewell Administrative Fee in calculating the Contractor's Adjustment Factors.

19.2. Sourcewell's Administrative Fee will be calculated at the rate of 7.5% of the total Purchase Order Price charged to the Sourcewell Member.

19.3. Sourcewell's Administrative Fee shall be remitted by the Contractor to Sourcewell, or its designated contract administrator, within thirty (30) days of the submission of an invoice to a Sourcewell Member by Contractor. The Contractor shall be assessed a one percent (1%) per month late fee for any Administrative Fees not paid by the due date set forth herein.

19.4. Sourcewell designates The Gordian Group, Inc., (Gordian) as its contract administrator. The Sourcewell Administrative Fee payments shall be made payable to The Gordian Group and sent to the following address:

The Gordian Group, Inc.
PO Box 79341
Baltimore, MD 21279-0341

19.5. Sourcewell or Gordian may request records from the Contractor for all purchases through this Contract and payment of all Administrative Fees. If a discrepancy exists between the purchasing activity and the Administrative Fees paid, Sourcewell or Gordian will provide written notification to the Contractor of the discrepancy and allow the Contractor ten (10) days from the date of notification to resolve the discrepancy. In the event the Contractor does not resolve the discrepancy to the satisfaction of Sourcewell or Gordian, Sourcewell or Gordian reserve the right to engage a third party to conduct an independent audit of the Contractor's records and, in the event Contractor is not in compliance with this Contract, Contractor shall, in addition to any Administrative Fees due, reimburse the appropriate party for the cost and expense related to such audit.

19.6. Sourcewell and Contractor hereby acknowledge that The Gordian Group, Inc., as Sourcewell's designated contract administrator, is a third-party beneficiary of Section 20, including all subsections therein. In the event any court action is brought to enforce payment of the

Administrative Fees set forth above by any party or third-party beneficiary of this Contract, the prevailing party shall be entitled to an award of reasonable attorneys' fees and collection costs.

20. TAXES

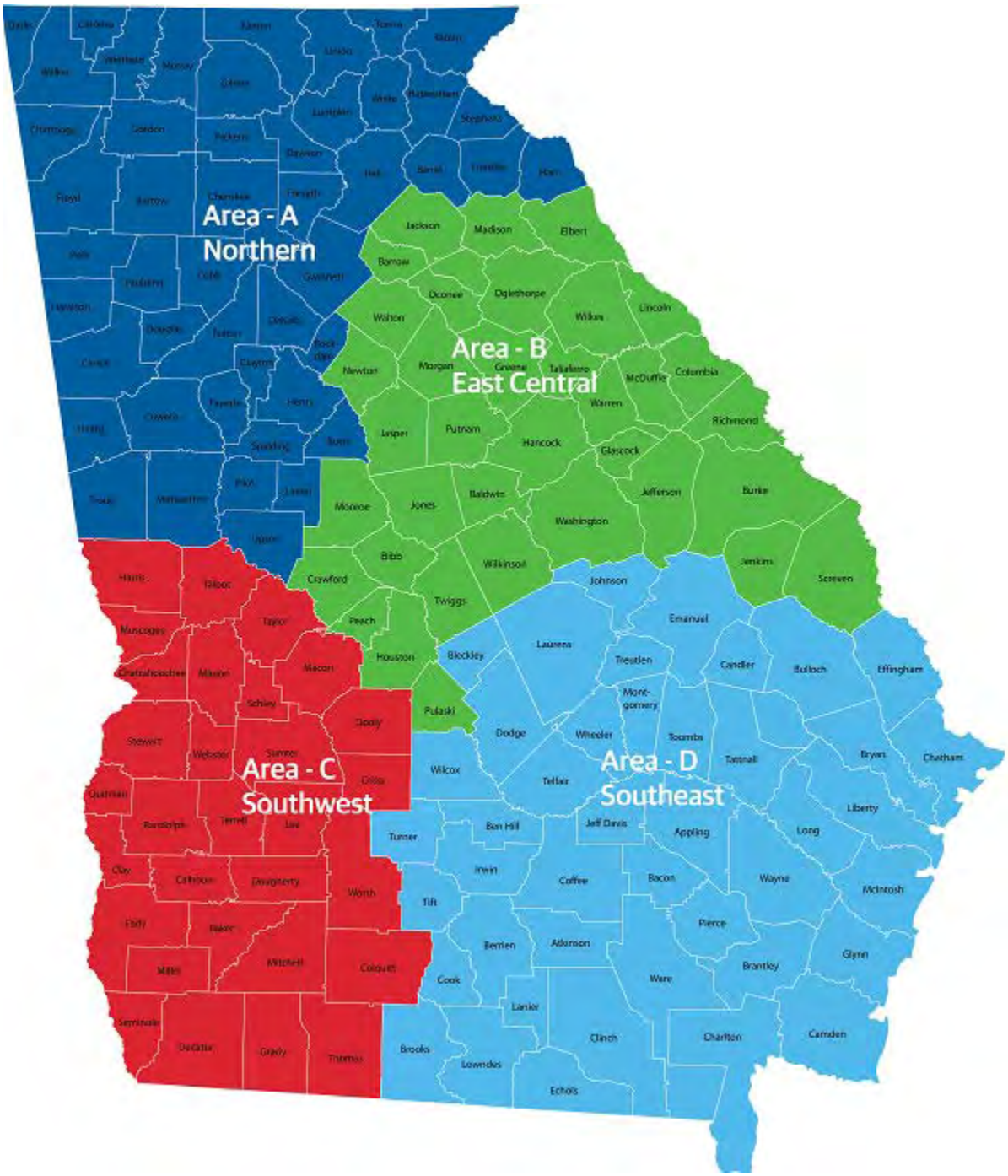
20.1. The Contractor shall pay all sales, consumer, use and other similar taxes required by law for which an exemption does not exist. If the Contractor is required to pay sales tax on non-exempt material, equipment, services or other items purchased in connection with a Purchase Order, the Member will reimburse the Contractor for such tax, without mark-up, provided the Contractor submits the appropriate documentation therefor.

21. PHYSICAL PRESENCE

21.1. The Bidder must have a fully staffed and functioning office located within the State of Georgia.

(The remainder of this page is intentionally left blank)

SECTION THREE – GEOGRAPHIC MAP OF SOURCEWELL CONTRACT AREA



Area A Northern Counties			
Banks	Dawson	Habersham	Pike
Bartow	DeKalb	Hall	Polk
Butts	Douglas	Haralson	Rabun
Carroll	Fannin	Hart	Rockdale
Catoosa	Fayette	Heard	Spalding
Chattooga	Floyd	Henry	Towns
Cherokee	Forsyth	Lamar	Troup
Clayton	Franklin	Lumpkin	Union
Cobb	Fulton	Meriwether	Upson
Coweta	Gilmer	Murray	Walker
Coweta	Gordon	Paulding	White
Dade	Gwinnett	Pickens	Whitfield

Area B East Central Counties			
Athens	Hancock	McDuffie	Screven
Baldwin	Houston	Monroe	Taliaferro
Barrow	Jackson	Morgan	Twiggs
Bibb	Jasper	Newton	Walton
Burke	Jefferson	Oconee	Warren
Columbia	Jefferson	Oglethorpe	Washington
Crawford	Jenkins	Peach	Wilkes
Elbert	Jones	Pulaski	Wilkinson
Glascock	Lincoln	Putnam	
Greene	Madison	Richmond	

Area C Southwest Counties			
Baker	Dougherty	Mitchell	Talbot
Calhoun	Early	Muscogee	Taylor
Chattahoochee	Grady	Quitman	Terrell
Clay	Harris	Randolph	Thomas
Colquitt	Lee	Schley	Webster
Crisp	Macon	Seminole	Worth
Decatur	Marion	Stewart	
Dooly	Miller	Sumter	

Area D Southeast Counties			
Appling	Candler	Glynn	Pierce
Atkinson	Charlton	Irwin	Tattnall
Bacon	Chatham	Jeff Davis	Telfair
Ben Hill	Clinch	Johnson	Tift
Berrien	Coffee	Lanier	Toombs
Bleckley	Cook	Laurens	Turner
Brantley	Dodge	Liberty	Ware
Brooks	Echols	Long	Wayne
Bryan	Effington	Lowndes	Wheeler
Bulloch	Emanuel	McIntosh	Wilcox
Camden	Evans	Montgomery	

(This page is intentionally left blank)

SECTION FOUR – SAMPLE INDEFINITE QUANTITY CONSTRUCTION CONTRACT

IFB NUMBER: _____

GEOGRAPHIC AREA: _____

This Contract dated_____, by and between Sourcewell (Formerly NJPA) and _____. at the following address, _____ _____ hereinafter referred to as the CONTRACTOR.

WITNESSETH: Sourcewell and CONTRACTOR for the consideration hereafter agree as follows:

ARTICLE 1. CONTRACT DOCUMENTS

A. Contract Documents: This Contract; the IFB Documents; (Book 1 - Project Information, Instructions to Bidders and Execution Documents; Book 2 - IQCC Standard Terms and Conditions and General Conditions; Book 3 - Construction Task Catalog (CTC); Book 4 - Technical Specifications) and Addenda thereto; all payment and performance bonds (if any), material and workmanship bonds (if any); wage rate decisions and certified payroll records (if any); Notice of Award; all modifications issued thereto, including Supplemental Purchase Orders/Change Orders and written interpretations and all Purchase Orders and accompanying documents (Requests for Proposals, Detailed Scopes of Work, Purchase Order Proposals, etc.) issued hereunder.

B. The terms and conditions of a Purchase Order issued by a Sourcewell Member in connection with any Project, including supplemental technical specifications referenced therein, shall govern.

C. The Contractor shall, within two (2) business days of receipt of a Purchase Order from a Sourcewell Member, provide notification to Sourcewell or their designated representative of each Purchase Order by forwarding a copy of the Purchase Order via email to PO@EZIQC.com or via facsimile to (864) 233-9100.

D. The Contractor shall, within two (2) business days of sending an Invoice to a Sourcewell Member, provide notification to Sourcewell or their designated representative of each Invoice by forwarding a copy of the Invoice via email to Invoice@EZIQC.com or via facsimile to (864) 233-9100.

ARTICLE 2. SCOPE OF WORK

A. The Contractor shall provide the services required to develop each Purchase Order in accordance with the procedures for developing Purchase Orders set forth in the IQCC Standard Terms and Conditions and the Contract Documents.

B. Each Purchase Order developed in accordance with this Contract will be issued by an individual

SAMPLE

Sourcewell Member. The Purchase Order will require the Contractor to perform the Detailed Scope of Work within the Purchase Order Completion Time for the Purchase Order Price.

C. It is anticipated that the Contractor will perform Work primarily in the Geographic Area set forth above. However, the parties may agree that the Contractor can perform Work in a different Geographic Area at its current Adjustment Factors.

ARTICLE 3. THE CONTRACT PRICE

A. This Contract is an indefinite-quantity contract for construction work and services. The Estimated Annual Value of this Contract is $2,000,000. This is only an estimate and may increase or decrease at the discretion of Sourcewell.

B. The Contractor shall perform any or all Tasks in the Construction Task Catalog for the Unit Price appearing therein multiplied by the following Adjustment Factors:

TO BE ENTERED BY SOURCEWELL:

a. **Normal Working Hours – Non Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

_____.

(Specify to four (4) decimal places)

b. **Other Than Normal Working Hours – Non Secure Areas** : Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

_____.

(Specify to four (4) decimal places)

c. **Normal Working Hours – Secure Areas**: Work performed from 7:00am until 4:00pm Monday to Friday, except holidays. Contractor shall perform Tasks during Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

_____.

(Specify to four (4) decimal places)

d. **Other Than Normal Working Hours – Secure Areas**: Work performed from 4:00pm to 7:00am Monday to Friday, and any time Saturday, Sunday and Holidays. Contractor shall perform Tasks during Other Than Normal Working Hours for the Unit Price set forth in the CTC multiplied by the Adjustment Factor of:

_____.

(Specify to four (4) decimal places)

SAMPLE

e. **Non Pre-priced Adjustment Factor**: To be applied to Work deemed not to be included in the CTC but within the general scope of the work:

_____.
(Specify to four (4) decimal places)

ARTICLE 4. TERM OF THE CONTRACT

A. This Contract has an initial term of one (1) year and a bilateral option provision for three (3) additional terms. The total term of the Contract cannot exceed four (4) years. One additional one-year renewal-extension may be offered by Sourcewell to Contractor beyond the original four-year term if Sourcewell deems such action to be in the best interests of Sourcewell and its Members. The Contractor may withdraw from the Contract on each anniversary of the award, provided that the Contractor gives 60 Days written notice of its intent to withdraw. Sourcewell may, for any reason, terminate this Contract at any time.

B. All Purchase Orders issued during a term of this Contract shall be valid and in effect notwithstanding that the Detailed Scope of Work may be performed, payments may be made, and the guarantee period may continue, after such term has expired. All terms and conditions of the Contract apply to each Purchase Order.

ARTICLE 5. SOFTWARE LICENSING

A. Sourcewell selected The Gordian Group's (Gordian) software, data and services (IQCC System) for their IQCC program. The system includes Gordian's proprietary ezIQC, eGordian and Bid Safe IQCC applications (IQCC Applications) and construction cost data (Construction Task Catalog), which shall be used by the Contractor to prepare and submit Price Proposals, subcontractor lists, and other requirements specified by Sourcewell and Sourcewell Members. The Contractor's use, in whole or in part, of Gordian's IQCC Applications and Construction Task Catalog and other proprietary materials provided by Gordian for any purpose other than to execute work under this Contract for Sourcewell and Sourcewell Members is strictly prohibited unless otherwise stated in writing by Gordian. The Contractor hereby agrees to abide by the terms of the following IQCC System License:

ARTICLE 6. IQCC SYSTEM LICENSE

A. Gordian hereby grants to the Contractor, and the Contractor hereby accepts from Gordian for the term of this Contract or Gordian's contract with Sourcewell, whichever is shorter, a non-exclusive right, privilege, and license to Gordian's proprietary IQCC System and related proprietary materials (collectively referred to as "Proprietary Information") to be used for the sole purpose of executing Contractor's responsibilities to Sourcewell and Sourcewell Members under this Contract ("Limited Purpose"). The Contractor hereby agrees that Proprietary Information shall include, but is not limited to, Gordian's IQCC Applications and support documentation, Construction Task Catalog, training materials, marketing materials and any other proprietary materials provided to Contractor by Gordian. In the event this Contract expires or terminates as provided herein, or the Gordian's contract with Sourcewell expires or terminates, this IQCC System License shall terminate and the Contractor shall return all Proprietary Information in its possession to Gordian.

SAMPLE

B. Contractor acknowledges that Gordian shall retain exclusive ownership of all proprietary rights to the Proprietary Information, including all U.S. and international intellectual property and other rights such as patents, trademarks, copyrights and trade secrets. Contractor shall have no right or interest in any portion of the Proprietary Information except the right to use the Proprietary Information for the Limited Purpose set forth herein. Except in furtherance of the Limited Purpose, Contractor shall not distribute, disclose, copy, reproduce, display, publish, transmit, assign, sublicense, transfer, provide access to, use or sell, directly or indirectly (including in electronic form), any portion of the Proprietary Information.

C. Contractor acknowledges and agrees to respect the copyrights, trademarks, trade secrets, and other proprietary rights of Gordian in the Proprietary Information during and after the term of this Contract, and shall at all times maintain complete confidentiality with regard to the Proprietary Information provided to Contractor, subject to federal, state and local laws related to public disclosure. Contractor further acknowledges that a breach of any of the terms of this Contract by Contractor will result in irreparable harm to Gordian for which monetary damages would be an inadequate remedy, and Gordian shall be entitled to injunctive relief (without the necessity of posting a bond) as well as all other monetary remedies available at law or in equity. In the event that it becomes necessary for either party to this IQCC System License to enforce the provisions of this Contract or to obtain redress for the breach or violation of any of its provisions, whether by litigation, arbitration or other proceedings, the prevailing party shall be entitled to recover from the other party all costs and expenses associated with such proceedings, including reasonable attorney's fees.

D. In the event of a conflict in terms and conditions between this IQCC System License and any other terms and conditions of this Contract or any Purchase Order, Order or similar purchasing document (Purchase Order) issued by Sourcewell or a Sourcewell Member, this IQCC System License shall take precedence.

IN WITNESS WHEREOF, the parties hereto have executed this Contract the day and year first above written.

By:

Sourcewell

_____

Authorized Signature

_____

Print Name

Contractor

_____

Authorized Signature

_____

Print Name

Contract Number:_____(assigned by Sourcewell)

SAMPLE

BOOK 2

IQCC STANDARD TERMS AND CONDITIONS
AND
CONTRACT GENERAL CONDITIONS
TO

IFB# GA-040820
State of Georgia

Indefinite Quantity Construction Contract

February 2020

Table of Contents

SECTION ONE - IQCC STANDARD TERMS AND CONDITIONS 1

1. DEFINITIONS 1

2. SCOPE OF WORK AND PROCEDURE FOR ORDERING WORK 2

3. ARCHITECTURAL AND ENGINEERING SERVICES 8

4. TERM OF CONTRACT 8

5. GEOGRAPHIC AREAS 9

6. ESTIMATED ANNUAL VALUE 9

7. OPTION TO BILATERALLY EXTEND CONTRACT 9

8. CHANGES 9

9. MARKETING REQUIREMENTS 10

10. PUNCH LIST COMPLETION 11

11. PAYMENT AND PERFORMANCE BONDS AND MATERIAL AND WORKMANSHIP BONDS 11

12. COMPUTER SOFTWARE 11

13. PREPAYMENT OPTION 11

SECTION TWO – CONTRACT GENERAL CONDITIONS 13

1. PROJECT MANAGER 13

2. SOURCEWELL MEMBER'S RIGHT TO STOP WORK 13

3. SOURCEWELL MEMBER'S RIGHT TO COMPLETE WORK 13

4. REVIEW OF FIELD CONDITIONS 13

5. SUPERVISION 13

6. WORKMANSHIP AND QUALITY 14

7. WARRANTY 14

8. PERMITS AND FILINGS 15

9. PERSONNEL 15

10. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES 15

11. CUTTING AND PATCHING 16

12. CLEAN UP 17

13. ACCESS TO THE WORK 17

14. ROYALTIES, PATENTS AND COPYRIGHTS 17

15. INDEMNIFICATION 17

16. SUBCONTRACTORS 18

17. COORDINATION WITH OTHER CONTRACTORS 18
18. REQUEST OF EXTENSION OF TIME 18
19. PARTIAL PAYMENTS 19
20. FINAL PAYMENTS 19
21. PARTIAL OCCUPANCY FOR USE 19
22. INDENTIFICATION AND SECURITY REQUIREMENTS 20
23. PROTECTION OF PERSONS AND PROPERTY 20
24. HAZARDOUS MATERIALS 21
25. INSURANCE REQUIREMENTS 22
26. LIQUIDATED DAMAGES 23
27. TESTS AND INSPECTIONS 23
28. GOVERNING LAW 24
29. COMPLIANCE WITH LAWS 24
30. SEVERANCE 24
31. LICENSE 24
32. ASSIGNMENT 25
33. CLAIMS AND DISPUTES 25
34. SUSPENSION AND/OR TERMINATION BY SOURCEWELL FOR CAUSE 25
35. NONDISCRIMINATION, EQUAL EMPLOYMENT OPPORTUNITY, AND AMERICANS WITH DISABILITIES ACT 25
36. AUDITS 26
37. GRATUITIES 26
38. FEDERAL FUNDS (APPLIES TO WORK ORDERS DESIGNATED BY AN AGENCY AS FEDERAL ASSISTED) 26

SECTION ONE - IQCC STANDARD TERMS AND CONDITIONS

1. DEFINITIONS

1.1. **Addendum or Addenda**: The additional or modified provisions of the IFB issued in writing by Sourcewell prior to the receipt of Bids.

1.2. **Contract**: The written agreement between the Contractor and Sourcewell covering the Work to be performed; and other Contract Documents incorporated in or referenced in the Contract and made part thereof as if provided therein.

1.3. **Adjustment Factors**: The Contractor's competitively bid price adjustment to the Unit Prices as published in the Construction Task Catalog, Book 3. Adjustment Factors are expressed as an increase to or decrease from the published prices.

1.4. **IFB Documents**: The Invitation for Bid; Book 1 - Project Information, Instructions to Bidders, and Execution Documents; Book 2 - IQCC Standard Terms and Conditions and Contract General Conditions; Book 3 - The Construction Task Catalog; and Book 4 - Technical Specifications.

1.5. **Construction Task Catalog (CTC)**: A comprehensive listing of specific construction related Tasks, together with a specific unit of measurement and a Unit Price. Construction Task Catalog is a registered trademark of The Gordian Group, Inc.

1.6. **Contract Documents**: This Contract; the IFB Documents (Book 1 - Project Information, Instructions to Bidders and Execution Documents; Book 2 - IQCC Standard Terms and Conditions and General Conditions; Book 3 - Construction Task Catalog (CTC), Book 4 - Technical Specifications and Addenda thereto); all payment and performance bonds (if any), material and workmanship bonds (if any); wage rate decisions and certified payroll records (if any); Notice of Award; all modifications issued thereto, including Supplemental Purchase Orders/Change Orders and written interpretations and all Purchase Orders and accompanying documents (Requests for Proposals, Detailed Scopes of Work, Proposal Packages, etc.) issued hereunder.

1.7. **Contractor**: The legal entity named in the award letter with which Sourcewell has contracted and is responsible for the acceptable performance of the Contract and for the payment of all legal debts pertaining to the Work. All references in the Contract Documents to third parties under contract or control of Contractor will be deemed to be a reference to Contractor.

1.8. **Days**: Calendar days, unless otherwise stated.

1.9. **Detailed Scope of Work**: A document prepared following a Joint Scope Meeting which describes in detail the Work the Contractor will perform for a particular Purchase Order.

1.10. **Holidays**: The specific days designated by Sourcewell, Sourcewell Members or the Project Labor Agreement as legal Holidays. Sourcewell designates the following days as Holidays: New Year's Day, Martin Luther King Jr.'s Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day and the following day, and Christmas Day.

1.11. **Detailed Scope of Work**: A document prepared following a Joint Scope Meeting which describes in detail the Work the Contractor will perform for a particular Purchase Order.

1.12. **Non Pre-priced Task (NPP)**: A task not included in the Construction Task Catalog but within the general scope and intent of this Contract.

1.13. **Price Proposal**: The price proposal prepared by the Contractor using the Construction Task Catalog, Adjustment Factors and appropriate quantities.

1.14. **Proposal Package**: A group of documents and files consisting of the Price Proposal; incidental drawings, sketches, or specification information; quantity take-offs supporting all material quantities; catalog cuts providing information on materials or products, as specifically requested; list of known Subcontractors, construction schedule, back-up for any Non Pre-Priced Tasks, warranty information on special equipment or materials and or other such documentation as the Sourcewell Member may require.

1.15. **Project**: Collectively, the Work to be accomplished by the Contractor in satisfaction of a requirement or group of related requirements pursuant to one or more Purchase Orders.

1.16. **Purchase Order**. The document establishing the engagement by Sourcewell or the Sourcewell Member to the Contractor to complete a Detailed Scope of Work for the Purchase Order Price within the Purchase Order Completion Time.

1.17. **Request for Proposal**: The Sourcewell Member's written request for the Contractor to prepare and submit a Proposal Package for a specific Detailed Scope of Work.

1.18. **Site**: The area upon or in which the Contractor performs the Detailed Scope of Work and such other areas adjacent thereto as may be designated by Sourcewell or the Sourcewell Member.

1.19. **State**: The state of Georgia.

1.20. **Subcontractor**: Any person, firm or corporation, other than employees of the Contractor, who or which contracts with the Contractor or its Subcontractors to furnish, or actually furnishes labor, or labor and materials, or labor and equipment, at the Site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor.

1.21. **Supplemental Purchase Order**: A purchase order issued to add, delete or change Work from an existing, related Purchase Order.

1.22. **Technical Specifications**: The comprehensive listing of the Sourcewell Members standards for quality of workmanship and materials, and the standard for the required quality of the Work.

1.23. **Unit Price**: The price published in the Construction Task Catalog for a Task.

1.24. **Work**: The labor, material, equipment and services necessary or convenient to the completion of Purchase Orders.

1.25. **Purchase Order Completion Time**: The period of time set forth in the Purchase Order within which the Contractor must complete the Detailed Scope of Work.

1.26. **Purchase Order Price**: The value of the approved Price Proposal and the lump sum price to be paid to the Contractor for completing the Detailed Scope of Work within the Purchase Order Completion Time.

2. SCOPE OF WORK AND PROCEDURE FOR ORDERING WORK

2.1. Scope of Work

2.1.1. This is an indefinite quantity contract for the supplies or services specified, and effective for the period stated in the IFB Documents.

2.1.2. Job or performance will be made only as authorized by Purchase Orders issued in accordance with these IQCC Standard Terms and Conditions.

2.1.3. The Scope of Work of this Contract will be determined by individual Purchase Orders issued hereunder. The Contractor will provide all pricing, management, incidental drawings, shop drawings, samples, documents, Work, materials, supplies, parts (to include system components), transportation, plant, supervision, labor, and equipment

needed to complete each Purchase Order. The Contractor will also be responsible for Site safety as well as Site preparation and cleanup during and after construction.

2.1.4. The Work will be conducted by the Contractor in strict accordance with the Contract and all applicable laws, regulations, codes, or directives including federal, state, county and city.

2.1.5. The Contractor will maintain accurate and complete records, files and libraries of documents to demonstrate compliance with federal, state, and local regulations, codes, applicable laws listed herein, and manufacturers' instructions and recommendations which are necessary and related to the Work to be performed.

2.1.6. The Contractor will prepare and submit required reports, maintain current record drawings, and submit required information. The Contractor will provide: materials lists to include trade names and brand names, and model materials lists to include trade names, brand names, model number, and ratings (if appropriate) for all materials necessary to complete the Purchase Order.

2.1.7. In addition to the Tasks in the CTC, Book 3, Sourcewell may, from time to time, require Non Pre-priced Tasks.

2.1.8. All Work will comply with any applicable standards, including those specified in the following documents. If the Purchase Order specifies a standard which is different or more stringent, the standard used in the Purchase Order will control:

2.1.8.1. City building codes

2.1.8.2. The specific Detailed Scope of Work- The Detailed Scope of Work is the document that defines the Contractor's obligations. Includes but is not limited to, what work the contractor will perform, location of the work to be completed, and specific equipment or materials to be used. The Detailed Scope of Work may reference drawings and specifications prepared for the work.

2.1.8.3. Technical Specifications – Book 4

2.1.8.3.1. The Technical Specifications, Book 4, are numbered and organized in the Construction Specification Institute's (CSI) master format. All specifications are filed in divisions per CSI guidelines.

2.1.8.3.2. The intent of these Technical Specifications is to furnish concise industry and commercial standards for construction, maintenance or repair of Sourcewell Member facilities.

2.1.8.3.3. Reference in the Technical Specifications or the CTC to a specific manufacturer, trade name, or catalog is intended to be descriptive but not restrictive and only to indicate to the prospective Bidder items that will be satisfactory.

2.2. Procedure for ordering work

2.2.1. Initiation of a Purchase Order

2.2.1.1. As the need exists, Sourcewell (or their designated representative) will, on behalf of a Sourcewell Member, notify the Contractor of a Project and schedule a Joint Scope Meeting.

2.2.1.1.1. The Contractor will attend the Joint Scope Meeting to discuss, at a minimum:

2.2.1.1.2. The general scope of the Work,

2.2.1.1.3. Alternatives for performing the Work and value engineering,
2.2.1.1.4. Access to the Site and protocol for admission,
2.2.1.1.5. Hours of operation,
2.2.1.1.6. staging area,
2.2.1.1.7. Requirements for professional services, sketches, drawings, and specifications,
2.2.1.1.8. construction schedule,
2.2.1.1.9. Requirement for bonding
2.2.1.1.10. The presence of hazardous materials, and
2.2.1.1.11. Date on which the Proposal Package is due.

2.2.1.2. Upon completion of the joint scoping process, Sourcewell (or their designated representative), working with the Sourcewell Member and the Contractor, will prepare a Detailed Scope of Work referencing any sketches, drawings, photographs, and specifications required to document accurately the work to be accomplished. Sourcewell (or their designated representative) will issue a Request for Proposal that will require the Contractor to prepare a Proposal Package. The Detailed Scope of Work, unless modified by both the Contractor and Sourcewell (or their designated representative), will be the basis on which the Contractor will develop its Price Proposal and Sourcewell (or their designated representative) and the Sourcewell Member will evaluate the same. The Contractor does not have the right to refuse to perform any Task or any work in connection with a particular Project.

2.2.1.3. **Preparation of the Price Proposal**: The Contractor will prepare Price Proposals in accordance with the following:

2.2.1.4. **Pre-priced Tasks:** A Pre-priced Task is a Task described and for which a Unit Price is set forth in the Construction Task Catalog. For Pre-priced Tasks the Contractor will identify the Task from the Construction Task Catalog and the quantities required.

2.2.1.5. **Non Pre-priced Tasks:** A Non Pre-priced Task is a Task which is not in the Construction Task Catalog.

2.2.1.5.1. If the Contractor will perform the Non Pre-priced Task with its own forces, it will submit three independent quotes for all materials to be installed and will provide a breakdown of the labor and equipment costs.

2.2.1.5.2. If the Non Pre-priced Task is to be subcontracted, the Contractor must submit three independent bids from Subcontractors. The Contractor will not submit a quote or bid from any supplier or Subcontractor that the Contractor is not prepared to use. Sourcewell may require additional quotes and bids if the suppliers or Subcontractors are not acceptable or if the prices are not deemed reasonable by Sourcewell or its designated representative.

2.2.1.6. **Pricing Non Pre-priced Tasks:** The final price submitted for Non Pre-priced Tasks will be according to the following formula. Each Non Pre-priced Task must be supported with the necessary back-up documents including the calculation below:

2.2.1.7. **For Work Performed with the Contractor's Own Forces:**

2.2.1.7.1. The hourly rate for each trade classification not in the Construction Task Catalog multiplied by the quantity;

2.2.1.7.2. The rate for each piece of Equipment not in the Construction Task Catalog multiplied by the quantity;

2.2.1.7.3. Lowest of three independent quotes for all materials

2.2.1.7.4. Total Cost for self-perform work = (A+B+C) x NPP Adjustment Factor

2.2.1.8. **For Work Performed by Sub-contractors:** If the Work is to be subcontracted, the Contractor must submit three independent quotes from Subcontractors for the Work. If three quotes or bids can not be obtained, the Contractor will provide the reason in writing for Sourcewell Member's approval why three quotes cannot be submitted. D = Lowest of three Subcontractor quotes Total Cost of Subcontracted Non Pre-priced Task = D x NPP Adjustment Factor

2.2.1.9. At the discretion of Sourcewell (or its designated representative), Non Pre-priced Tasks, as well as other Tasks, may be added to the CTC during the course of the Contract. Unit prices will be established based on actual quotes from material suppliers and installers and fixed as a permanent Pre-priced Task in the CTC.

2.2.1.10. Sourcewell (or their designated representative) determination as to whether an item is a Pre-priced Task or a Non Pre-priced Task will be final, binding and conclusive as to the Contractor.

2.2.1.11. The means and methods of construction will be such as the Contractor may choose; subject however, to Sourcewell's right to reject means and methods proposed by the Contractor that:

2.2.1.11.1. Will not produce finished Work in accordance with the terms of the Contract; or

2.2.1.11.2. Unnecessarily increases the price of the Purchase Order when alternative means and methods are available.

2.2.1.12. In the event the Contractor is required to work within a secured facility where labor, material, and equipment must be inspected to pass through a secured perimeter, and all work must be constantly monitored by facility personnel, such as a Department of Corrections prison, the Contractor will be paid for the labor time lost as a result of such perimeter inspection, as well as any loss of time resulting from a temporary shut down of the work site required by the facility, such as a temporary shut down to move prisoners.

2.2.1.13. The value of the Price Proposal will be calculated by summing the total of the calculations for each Pre-priced Tasks (Unit Price x quantity x Adjustment Factor) plus the value of all Non Pre-priced Tasks.

2.2.1.14. The Contractor must submit a complete Proposal Package, which includes:

2.2.1.14.1. Any incidental drawings or sketches, calculations and or specification information,

2.2.1.14.2. The Price Proposal, and a quantity take-off summary supporting all material quantities contained in the Price Proposal

2.2.1.14.3. Catalog cuts providing information on materials or products, as specifically requested,

2.2.1.14.4. Back-up for any Non Pre-priced Tasks,

2.2.1.14.5. Identification of known Subcontractors and material suppliers,

2.2.1.14.6. A construction schedule,

2.2.1.14.7. For special equipment or materials, warranty information,

2.2.1.15. By submitting a Price Proposal to Sourcewell, the Contractor agrees to accomplish the Detailed Scope of Work in accordance with the Request for Proposal at the price submitted. It is the Contractor's responsibility to include the necessary tasks and quantities in the Price Proposal and apply the appropriate Adjustment Factor(s) prior to delivering it to Sourcewell.

2.2.1.16. Whenever, because of trade jurisdiction rules or small quantities, the cost of a minor task in the Price Proposal is less than the cost of the actual labor and material to perform such task, the Sourcewell Member may permit the Contractor to be paid for such task as a Non-Prepriced Task, or use Prepriced labor tasks and material component pricing to cover the actual costs incurred. Provided, however, that there is no other work for that trade on the Project or other work for that trade cannot be scheduled at the same time and the final charge does not exceed $5,000.

2.2.2. Time for Submittal of the Proposal Package

2.2.2.1. The Proposal Package will be submitted by the date indicated on the Request for Proposal. All incomplete Proposal Packages will be rejected. The time allowed for preparation of the Proposal Package will depend on the complexity and urgency of the Project but should average between seven and fourteen days. On complex Projects, such as those requiring incidental engineering/architectural drawings and approvals and permits, allowance will be made to provide adequate time for preparation and submittal of the necessary documents.

2.2.2.2. In emergency situations and for Projects requiring immediate completion, the Proposal Package may be required quickly and the due date will be so indicated on the Request for Proposal or, the Contractor may begin work immediately, with the paperwork to follow.

2.2.2.3. If the Contractor fails to meet the deadline for submittal of the Proposal Package, this may be reason to suspend issuance of this particluar Purchase Order.

2.2.2.4. If the Contractor requires clarifications or additional information regarding the Detailed Scope of Work in order to prepare the Proposal Package, the request must be submitted so that the submittal of the Proposal Package is not delayed.

2.2.3. Review of the Proposal Package

2.2.3.1. Sourcewell (or its designated representative) and/or the Sourcewell Member (or its designated representative) will evaluate the Price Proposal by evaluating the nature and number of Tasks proposed against the agreed upon Detail Scope of Work and will determine the reasonableness of approach. Furthermore Sourcewell (or its designated representative) or the Sourcewell Member (or its designated representative) may compare the Price Proposal to the Sourcewell Member cost estimate for the Detailed Scope of Work. Sourcewell (or its designated representative) or the Sourcewell Member(or its designated representative) reserves the right to reject a Price Proposal based on

unjustifiable/unsupported (with take off details) quantities and/or Tasks, schedule, inadequate documentation, or for any other reason.

2.2.3.2. If Sourcewell (or its designated representative) and/or the Sourcewell Member (or its designated representative) finds any part of the Price Proposal unacceptable, Sourcewell (or its designated representative) or the Sourcewell Member (or its designated representative) may request the Contractor to re-submit its Price Proposal or cancel the Project. The Contractor is expected to submit correct Price Proposals the first time. However Sourcewell recognizes that some adjustments might have to be made to the Price Proposal after review by Sourcewell (or its designated representative) and the Sourcewell Member (or its designated representative). Therefore, Sourcewell (or its designated representative) will allow the Contractor to submit the first Price Proposal and a second Price Proposal for each Purchase Order.

2.2.3.3. Additionally, Sourcewell (or its designated representative) and/or the Sourcewell Member (or its designated representative) will evaluate all other components of the Proposal Package and may request revisions thereto.

2.2.3.4. Requested revisions to any and all of the Proposal Package components should be made by the Contractor and resubmitted in three (3) working days or less. If after the second review by Sourcewell (or its designated representative) and/or the Sourcewell Member (or its designated representative), Sourcewell (or its designated representative) and/or the Sourcewell Member (or its designated representative) finds requested revisions to the Proposal Package that were not made, this may be reason to suspend that particular Purchase Order.

2.2.3.5. Failure by the Contractor to submit Proposal Packages, and revisions thereto, in a timely manner (within time frames described above) is grounds for suspension of all future Purchase Orders.

2.2.3.6. Sourcewell reserves the right to obtain Price Proposals from any or all of the contractors awarded an IQCC contract.

2.2.3.7. If the Contractor continues to submit Price Proposals which are rejected by Sourcewell (or its designated representative), Sourcewell may declare the Contractor in default and initiate termination of the Contract, according to the Contract General Conditions.

2.2.4. Delivery of the Proposal Package

2.2.4.1. After Sourcewell (or its designated representative) reaches an agreement with the Contractor on the Proposal Package and any requested revision thereto, if applicable, Sourcewell (or its designated representative) will assemble and deliver the Proposal Package for the Sourcewell Member's consideration.

2.2.5. Review of the Proposal Package by the Sourcewell Member and Issuance of Purchase Order

2.2.5.1. The Sourcewell Member will evaluate the entire Proposal Package.

2.2.5.2. The Sourcewell Member may reject a Proposal Package for any reason.

2.2.5.3. The Sourcewell Member may request changes to or clarifications of any part of the Proposal Package, may require certificates of insurance, and may require a Labor and Material Payment Bond and Performance Bond. The Contractor and

Sourcewell (or its designated representative) will work together to make any requested revisions in a timely manner and resubmit a revised Proposal Package.

2.2.5.4. Upon approval of the Proposal Package by Sourcewell (or its designated representative) and the Sourcewell Member, the Sourcewell Member may issue a signed Purchase Order, Notice of Award, or similar document accepting the Contractor's offer. The document will include:

2.2.5.4.1. Reference to the Detail Scope of Work

2.2.5.4.2. The Purchase Order Price

2.2.5.4.3. Start date, Purchase Order Completion Time (duration) and completion date

2.2.5.4.4. Whether liquidated damages will apply

2.2.5.5. When the Work Order Package is accepted, the Sourcewell Member may send to the Contractor a Purchase Order, or a notice of intent to award a Purchase Order (sometimes used if bonding is required) or a similar document.

2.2.5.6. Once a Contractor has accepted the Purchase Order then the Contractor may not refuse to perform the Work. Such actions may be grounds for termination of this Contract or other disciplinary action at the option of Sourcewell.

2.2.5.7. If performance and payment bonding is required, or if a separate and/or special insurance certificate is required, the Contractor will deliver such requirement to the Sourcewell member within ten (10) days of notification of the requirement.

3. ARCHITECTURAL AND ENGINEERING SERVICES

3.1. Under this Contract it is expected that the level of Architecture and Engineering (A/E) services and design, if any, will be incidental to the Contract and therefore any cost associated with this is to be included in the Contractor's Adjustment Factors. If the level of A/E services for a Purchase Order requires that the Contractor provide stamped drawings and plans, the Contractor will be reimbursed according to the appropriate Task in the CTC. The Contractor will be required, as on any construction project, to provide shop drawings, as-built drawings, project layout drawings and sketches as required.

3.2. The preparation of incidental drawings/plans, specifications, shop drawings, product data and samples, as-builts and all other documentation required herein by the Contractor as required by individual Purchase Orders is part of the Scope of Work of this Contract and the cost there of will be included in the Contractor's Adjustment Factors.

4. TERM OF CONTRACT

4.1. This Contract is for term shown on the IFB. The Contractor may withdraw from the Contract on each anniversary of the award, provided that the Contractor provides 60 Days written notice of its intent to withdraw. Sourcewell may, for any reason, terminate this Contract at any time.

4.2. A Sourcewell Member may issue a Purchase Order at any time during the term of this Contract. All Purchase Orders issued during a term of this Contract will be valid and in effect notwithstanding that the Detailed Scope of Work may be performed, payments may be made, and the guarantee period may continue, after such term has expired.

5. GEOGRAPHIC AREAS

5.1. Contractor will primarily work in the Geographic Area designated. However, if both parties agree, the Contractor may work in another area at the Adjustment Factors bid.

6. ESTIMATED ANNUAL VALUE

6.1. The Estimated Annual Value of the Contract is as specified in the IFB. The Contractor is not guaranteed to receive any Purchase Orders under this Contract. The Estimated Annual Value is not a limit on the total value of Purchase Orders that could be issued to the Contractor in any one year.

7. OPTION TO BILATERALLY EXTEND CONTRACT

7.1. This Contract has an initial term of one (1) year from date on contract and three (3) bilateral option provisions for three (3) additional terms. The total term of the Agreement cannot exceed four (4) years. One additional one-year renewal-extension may be offered by Sourcewell to Contractor beyond the total term if Sourcewell deems such action to be in the best interests of Sourcewell and its Members.

7.2. The Construction Task Catalog issued with this Solicitation will be in effect for the first year of this contract.

7.3. On the anniversary of the solicitation, a new Construction Task Catalog will be furnished. The new Construction Task Catalog will be effective for the twelve (12) month period after the anniversary of the award date. The Construction Task Catalogs that accompany each anniversary shall only apply to Work Orders issued after the effective date of that specific renewal option and shall have no impact on Work Orders issued prior to the effective date of that specific renewal option.

7.4. Prior to the annual update of the Construction Task Catalog, Gordian must submit a request in written format by completing the Price and Product Change Request Form and signed by an authorized Gordian representative. A complete restatement of pricing must be submitted to Sourcewell in which all changes are subject to review and approval by Sourcewell.

7.5. The Adjustment Factors submitted with the Bid Form shall be used for the full term of the contract. On the annual anniversary of the solicitation, Sourcewell shall issue the Contractor a new Construction Task Catalog. The Contractor will be issued the new Construction Task Catalog for review and acceptance prior to accepting new work. The Contractor shall use the Construction Task Catalog in effect on the date that the Work Order is issued. However, the Contractor cannot delay the issuance of a Work Order to take advantage of a scheduled update of the Construction Task Catalog. In that event, the Contractor shall use the Construction Task Catalog that would have been in effect without the delay.

8. CHANGES

8.1. The Sourcewell Member reserves the right to make, in writing, at any time during the Work, changes in the Detailed Scope of Work as are necessary to satisfactorily complete the Project, and to delete in whole or in part, or to add to, the Detailed Scope of Work. Such changes,

deletions, or additions will not invalidate the Contract or the Purchase Order nor release the surety, if any, and the Contractor agrees to perform the Work as altered.

8.2. All changes, deletions, and additions to the Detailed Scope of Work will be reflected in a Supplemental Purchase Order developed and priced in accordance with the procedure for developing and approving all Price Proposals.

9. MARKETING REQUIREMENTS

9.1. The Contractor will be proactive about selling and marketing this Contract to public agencies and non-profit organizations. Failure to do so may be grounds for termination of this Contract or other disciplinary action at the option of Sourcewell.

9.2. Sourcewell selected its Indefinite Quantity Construction Contracting system based on its research of what provides their Members with the best value and most cost-effective results. The Contractor must avoid all conflicts of interest with the promotion of other IQCC systems to any agency eligible to purchase under this Contract. The promotion of other IQCC systems to any agency eligible to purchase under this Contract may be grounds for termination of this Contract.

9.3. The Contractor must adhere to the following when preparing marketing materials and web sites, and in the use of trademarks and service marks:

9.3.1. The Contractor will include the Sourcewell logo and website address on all marketing materials and web sites that mention this Agreement or have anything to do with this Contract.

9.3.2. The Contractor will include the ezIQC logo, website address (www.ezIQC.com), and ezIQC® telephone number (888-993-9472) on all marketing materials and web sites that mention this Contract or have anything to do with this Contract.

9.3.3. The Contractor will be authorized to use Sourcewell's and Gordian's names, logos, trademarks, service marks and Sourcewell and Gordian provided materials solely for the presentation and promotion of the availability and use of this Contract by Sourcewell Members and Potential Sourcewell Members, and agrees that all uses of the trademarks and service marks belonging to Sourcewell and Gordian must include the appropriate trademark and service mark symbols (® or ™) at all times.

9.3.4. The Contractor must not collect information from a Sourcewell Member or Potential Sourcewell Member on Contractor provided forms or web sites. The Contractor will advise the Sourcewell Members or Potential Sourcewell Members to enter all information at the ezIQC® website or the Contractor may input project information on the ezIQC web site on behalf of a Sourcewell Member or Potential Sourcewell Member.

9.3.5. Under no circumstance may Contractor indicate Sourcewell endorses Contractor, or that copy or branding images of Sourcewell or Gordian be altered in any way without the express written approval of Sourcewell or Gordian.

9.3.6. All marketing materials must be coordinated with and approved by Sourcewell and Gordian.

10. PUNCH LIST COMPLETION

10.1. The Contractor understands and agrees that time is of the essence in closing out the Work of this Contract. Upon Substantial Completion of the Work, the Punch List will be transmitted to the Contractor from the Sourcewell Member. The Contractor agrees to begin performance of Punch List Work immediately after receipt of the Punch List.

10.2. Failure of the Contractor or its Subcontractors to begin the Punch List Work within three (3) business days after receipt of the Punch List will be construed as failure to prosecute the Work of the Contract.

10.3. Punch List Work will be continuously prosecuted once begun and completed within 30 Days from the receipt of the Punch List. Should the Contractor fail to complete the Punch List within this period of time, the liquidated damages as identified in Article 26 of the Contract General Conditions will apply.

11. PAYMENT AND PERFORMANCE BONDS AND MATERIAL AND WORKMANSHIP BONDS

11.1. If required by the Sourcewell Member for a particular Work Order, the Contractor will deliver a Labor and Material Payment Bond and a Performance Bond in the amount of such Work Order. If required by the Sourcewell Member for a particular Work Order, the Contractor will deliver Material and Workmanship Bonds in the amount required by the Sourcewell Member. The bonds must be in a form, and executed by a surety, acceptable to the Sourcewell Member. The bonds must be received before the Notice to Proceed will be issued. The Contractor will be compensated for the cost of the bonds up to 2% of the Work Order Price through the Reimbursable Fee work task in the Construction Task Catalog. The Contractor will apply a 1.1000 Adjustment Factor to the Reimbursable Fee work task rather than applying the Contractor's competitively bid Adjustment Factor.

12. COMPUTER SOFTWARE

12.1. The Contractor must maintain at its office for its use a computer with an internet connection. The Contractor will be furnished with a copy of the internet based eGordian® software which will allow the Contractor to generate Price Proposals. This software program contains an electronic copy of the Construction Task Catalog and allows the Contractor to select items and quantities for use in a particular Price Proposal. The software generates a Price Proposal in a preset format acceptable to the Sourcewell Member. There is no separate charge to the Contractor for the software and the related software training.

13. PREPAYMENT OPTION

13.1. A Sourcewell Member may elect to deposit the funds for any Project or Purchase Order in a special account established by Sourcewell for the purpose of paying the Contractors for work to be performed. Funds will be transferred into and out of such account in strict accordance with the rules and procedures established therefor.

(This page intentionally left blank)

SECTION TWO – CONTRACT GENERAL CONDITIONS

1. PROJECT MANAGER

1.1. Project Manager: the person or firm designated by a Sourcewell Member and authorized to represent the Sourcewell Member in connection with a signed Purchase Order.

2. SOURCEWELL MEMBER'S RIGHT TO STOP WORK

2.1. The Sourcewell Member may order the Contractor to stop the Work on any Purchase Order, or any portion thereof, at any time for any reason.

3. SOURCEWELL MEMBER'S RIGHT TO COMPLETE WORK

3.1. If the Contractor has been ordered to stop the Work, the Sourcewell Member may, without prejudice to other remedies, have the Work completed by any available means.

4. REVIEW OF FIELD CONDITIONS

4.1. Before submitting a Price Proposal, the Contractor must carefully study the Detailed Scope of Work, as well as the information furnished by the Sourcewell Member, must take field measurements of any existing conditions related to the Work and must observe any conditions at the Site affecting it. Any errors, inconsistencies or omissions discovered by the Contractor must be reported promptly to the Project Manager.

4.2. Any design errors or omissions noted by the Contractor during this review will be reported promptly to the Project Manager, but it is recognized that the Contractor's review is made in the Contractor's capacity as a Contractor and not as a licensed design professional. The Contractor is not required to ascertain that the Detailed Scope of Work is in accordance with applicable laws, statutes, ordinances, building codes, and rules and regulations. However, any nonconformity discovered by or made known to the Contractor must be reported promptly to the Project Manager.

5. SUPERVISION

5.1. The Contractor will supervise and direct the performance of the Detailed Scope of Work, using the Contractor's best skill and attention. The Contractor will be solely responsible for and have control over construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work. If the Detailed Scope of Work gives specific instructions concerning construction means, methods, techniques, sequences or procedures, the Contractor will evaluate the Site safety thereof and, except as stated below, will be fully and solely responsible for the jobsite safety of such means, methods, techniques, sequences or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor will give timely written notice to the Project

Manager and will not proceed with that portion of the Work without further written instructions from the Project Manager.

5.2. The Contractor will be responsible to the Sourcewell Member for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the work for or on behalf of the Contractor or any of its Subcontractors.

5.3. The Contractor will be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

5.4. Effective July 18, 2008, in addition to the existing prevailing wage rate law, Labor Law §220, section 220-h, all laborers, workers, and mechanics working on the site of public work projects of at least $250,000 are required to be certified as having successfully completed the OSHA 10-hour Construction Safety and Health Course S1537-A.

6. WORKMANSHIP AND QUALITY

6.1. The Contractor may make substitutions only with the consent of the Project Manager.

6.2. The Contractor must enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor will not permit employment of unfit persons or persons not skilled in the portions of the Work assigned to them.

7. WARRANTY

7.1. All Work furnished under this Contract will be guaranteed against defective materials and workmanship, improper performance and non-compliance with the Contract Documents for a period of one year after final acceptance of the Work, except as otherwise specified in other parts of the Contract Documents, or within such longer period of time as may be prescribed by law or provided by the manufacturer.

7.2. During the warranty period, the Contractor will repair and replace at Contractor's own expense, all Work that may develop defects whether such defects may be inherent in the equipment or materials, in the functioning of the piece of equipment, or in the functioning and operation of pieces of equipment operating together as a functional unit. Any equipment or material which is repaired or replaced will have the guarantee period extended for a period of one year from the date of the last repair or replacement.

7.3. If the Contractor fails to repair, replace, rebuild or restore such defective or damaged Work promptly after receiving such notice, the Sourcewell Member will have the right to have the Work done by others and to deduct the cost thereof from the monies owed to the Contractor. If the amount owed is insufficient to cover such costs, the Contractor will be liable to pay such deficiency on demand.

7.4. The Project Manager's certificate setting forth the fair and reasonable cost of repairing, replacing, rebuilding or restoring any damaged or defective Work when performed by one other than the Contractor will be binding and conclusive as the amount thereof upon the Contractor.

7.5. The Contractor will obtain all manufacturer's warrantees and guarantees of all equipment and materials required by this Contract in the name of the Sourcewell Member.

8. PERMITS AND FILINGS

8.1. Contractor will make the necessary arrangements for and obtain all filings and permits required for the Work, including the preparation of all drawings, sketches, calculations and other documents and information that may be required therefor. If the Contractor is required to pay an application fee for filing a project, a fee to obtain a building permit, or any other permit fee to the city, state or some other governmental or regulatory agency, then the amount of such fee paid by the Contractor for which a receipt is obtained will be treated as a Reimbursable Task to be paid a mark-up of 10% on the fees paid to a governmental entity to obtain filings and permits. Contractor will submit written documentation of such fees. The 10% mark-up will cover all costs over and above the filing and permit fees, including expeditor fees.

8.2. The Contractor will comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities applicable to performance of the Work.

8.3. It is not the Contractor's responsibility to ascertain that the Detailed Scope of Work is in accordance with applicable laws, statutes, ordinances, building codes, and rules and regulations. However, if the Contractor observes that any portion of the Detailed Scope of Work is at variance therewith, the Contractor will promptly notify the Project Manager in writing.

9. PERSONNEL

9.1. The Contractor will employ competent personnel for the development of the Project's Detailed Scope of Work, the preparation of the Price Proposal and the execution of the Work. During the performance of the Work, the superintendent assigned to the Project will represent the Contractor, and communications given to the superintendent will be as binding as if given to the Contractor. Important communications must be confirmed in writing. Other communications will be similarly confirmed on written request in each case.

10. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

10.1. Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents. The purpose of their submittal is to demonstrate for those portions of the Detailed Scope of Work for which submittals are required by the Contract Documents the way by which the Contractor proposes to conform to the information given and the design concept expressed in the Detailed Scope of Work. Submittals which are not required by the Contract Documents may be returned by the Project Manager without action.

10.2. The Contractor must review for compliance with the Contract Documents, approve and submit to the Project Manager Shop Drawings, Product Data, Samples and similar submittals required with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Sourcewell Member or of separate contractors. Submittals which are not marked as reviewed for compliance with the Contract Documents and approved by the Contractor may be returned by the Project Manager without action.

10.3. By approving and submitting Shop Drawings, Product Data, Samples and similar submittals, the Contractor represents that the Contractor has determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and has checked and

coordinated the information contained within such submittals with the requirements of the Detailed Scope of Work and of the Contract Documents.

10.4. The Contractor must perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been approved by the Project Manager.

10.5. The Work will be performed in accordance with approved submittals except that the Contractor will not be relieved of responsibility for deviations from requirements of the Contract Documents by the Project Manager's approval of Shop Drawings, Product Data, Samples or similar submittals unless the Contractor has specifically informed the Project Manager in writing of such deviation at the time of submittal and (1) the Project Manager has given written approval to the specific deviation as a minor change in the Work, or (2) a Supplemental Purchase Order or written notice has been issued authorizing the deviation. The Contractor will not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittals by the Project Manager's approval thereof.

10.6. The Contractor will direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, to revisions other than those requested by the Project Manager on previous submittals. In the absence of such written notice the Project Manager's approval of a resubmission will not apply to such revisions.

10.7. The Contractor will not be required to provide professional services which constitute the practice of architecture or engineering unless such services are specifically required by the Detailed Scope of Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. The Contractor will not be required to provide professional services in violation of applicable law. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of the Contractor by the Detailed Scope of Work, the Sourcewell Member will specify all performance and design criteria that such services must satisfy. The Contractor will cause such services or certifications to be provided by a properly licensed design professional, whose signature and seal must appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, will bear such professional's written approval when submitted to the Project Manager. The Sourcewell Member will be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided the Sourcewell Member has specified to the Contractor all performance and design criteria that such services must satisfy. The Project Manager will review, approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Detailed Scope of Work. The Contractor will not be responsible for the adequacy of the performance or design criteria required by the Detailed Scope of Work.

11. CUTTING AND PATCHING

11.1. The Contractor will be responsible for cutting, fitting or patching required to complete the Detailed Scope of Work or to make its parts fit together properly.

11.2. The Contractor will not damage or endanger a portion of the Work or fully or partially completed construction of the Sourcewell Member or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. The Contractor will not cut or otherwise alter such construction by the Sourcewell Member or a separate contractor except with written consent of the Sourcewell Member and of such separate contractor; such consent will not be unreasonably withheld. The Contractor will not unreasonably withhold from the Sourcewell Member or a separate contractor the Contractor's consent to cutting or otherwise altering the Work.

12. CLEAN UP

12.1. The Contractor will keep the Site and surrounding areas free from accumulation of waste materials or rubbish caused by operations under the Purchase Order. At completion of the Work, the Contractor will remove from and about the Site all waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials.

12.2. If the Contractor fails to clean up, the Sourcewell Member may do so and the cost thereof will be charged to the Contractor.

13. ACCESS TO THE WORK

13.1. The Contractor will provide the Project Manager access to the Work at all times.

14. ROYALTIES, PATENTS AND COPYRIGHTS

14.1. The Contractor will pay all royalties and license fees. The Contractor will defend suits or claims for infringement of copyrights and patent rights and will hold the Sourcewell Member and Project Manager harmless from loss on account thereof, but will not be responsible for such defense or loss when a particular design, process or product of a particular manufacturer or manufacturers is required by the Contract Documents or where the copyright violations are contained in Drawings, Specifications or other documents prepared by the Sourcewell Member or Project Manager. However, if the Contractor has reason to believe that the required design, process or product is an infringement of a copyright or a patent, the Contractor will be responsible for such loss unless such information is promptly furnished to the Project Manager.

15. INDEMNIFICATION

15.1. To the fullest extent permitted by law and to the extent claims, damages, losses or expenses are not covered by insurance purchased by the Contractor, the Contractor will indemnify and hold harmless Sourcewell, the Sourcewell Member, Project Manager, consultants, and agents and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party

indemnified hereunder. Such obligation will not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this Paragraph.

15.2. In claims against any person or entity indemnified under this Paragraph by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation will not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

16. SUBCONTRACTORS

16.1. The Contractor, as soon as practicable after award of the Purchase Order, will furnish in writing to the Project Manager the names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each portion of the Work. The Project Manager will promptly reply to the Contractor in writing stating whether or not, after due investigation, Contractor has reasonable objection to any such proposed person or entity. Failure of the Project Manager to reply promptly will constitute notice of no reasonable objection.

16.2. The Contractor will not contract with a proposed person or entity to whom the Sourcewell Member or Project Manager has made reasonable and timely objection. The Contractor will not be required to contract with anyone to whom the Contractor has made reasonable objection.

16.3. If the Sourcewell Member or Project Manager has reasonable objection to a person or entity proposed by the Contractor, the Contractor will propose another to whom the Sourcewell Member or Project Manager has no reasonable objection.

17. COORDINATION WITH OTHER CONTRACTORS

17.1. The Sourcewell Member reserves the right to perform construction or operations related to the Purchase Order with the Sourcewell Member's own forces, and to award separate contracts in connection with other portions of the Project or other construction or operations on the Site.

17.2. The Sourcewell Member will provide for coordination of the activities of the Sourcewell Member's own forces and of each separate contractor with the Work of the Contractor, who will cooperate with them. The Contractor will participate with other separate contractors and the Sourcewell Member in reviewing their construction schedules when directed to do so. The Contractor will make any revisions to the construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules will then constitute the schedules to be used by the Contractor, separate contractors and the Sourcewell Member until subsequently revised.

18. REQUEST FOR EXTENSION OF TIME

18.1. If the Contractor is delayed at any time in the commencement or progress of the Detailed Scope of Work by an act or neglect of the Sourcewell Member or Project Manager, or of an employee of either, or of a separate contractor employed by the Sourcewell Member, or by changes

ordered in the Work, or by labor disputes, fire, unusual delay in deliveries, unavoidable casualties or other causes beyond the Contractor's control, or by other causes which the Project Manager determines may justify delay, then the Purchase Order Completion Time will be extended for such reasonable time as the Project Manager may determine.

18.2. The Contractor agrees to make no claim for damages for the delay in the performance of any Purchase Order occasioned by any act or omission to act of the Sourcewell Member, Project Manager or any of their representatives, and agrees that any such claim will be fully compensated for by an extension of time as provided herein.

19. PARTIAL PAYMENTS

19.1. The Contractor may submit a monthly Application for Payment for Work completed to date. The Contractor will submit Certified Payroll Records, and such other supporting documentation as may be required by the Project Manager. The Contractor may be required to submit Certified Payroll Records online. The Project Manager will inspect the work within a reasonable time and the Sourcewell Member will make partial payments to the Contractor based on the approved value of completed Work.

19.2. The Sourcewell Member may withhold up to 5% of each payment until final completion of the Purchase Order.

19.3. The Contractor must promptly pay each Subcontractor, upon receipt of payment from the Sourcewell Member, out of the amount paid to the Contractor on account of such Subcontractor's portion of the Work, the amount to which said Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of such Subcontractor's portion of the Work. The Contractor will, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to its Sub-Subcontractors in a similar manner.

20. FINAL PAYMENTS

20.1. The Contractor will notify the Project Manager when the Detailed Scope of Work is complete and ready for final inspection. The Project Manager will promptly make such inspection. If the Project Manager finds the Detailed Scope of Work complete and all final documentation submitted, the Project Manager will notify the Contractor that a final Application for Payment may be submitted.

20.2. The Contractor may then submit a final Application for Payment. The Contractor will submit Certified Payroll Records and such supporting documentation as may be required by the Project Manager. The Sourcewell Member will make final payment to the Contractor.

20.3. Acceptance of final payment by the Contractor, a Subcontractor or material supplier will constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

21. PARTIAL OCCUPANCY FOR USE

21.1. The Sourcewell Member may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor,

provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Work. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Sourcewell Member and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion substantially complete, the Contractor will prepare and submit a list to the Project Manager. Consent of the Contractor to partial occupancy or use will not be unreasonably withheld. The stage of the progress of the Work will be determined by written agreement between the Sourcewell Member and Contractor.

21.2. Immediately prior to such partial occupancy or use, the Sourcewell Member, Contractor and Project Manager will jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

21.3. Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work will not constitute acceptance of Work not complying with the requirements of the Contract Documents.

22. IDENTIFICATION AND SECURITY REQUIREMENTS

22.1. The Contractor will comply with all identification and security requirements that the Sourcewell Member may establish.

23. PROTECTION OF PERSONS AND PROPERTY

23.1. The Contractor must take reasonable precautions for safety of, and will provide reasonable protection to prevent damage, injury or loss to:

23.1.1. Employees on the Work and other persons who may be affected thereby;

23.1.2. The Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody or control of the Contractor or the Contractor's Subcontractors or Sub-subcontractors; and

23.1.3. Other property at the Site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction.

23.2. The Contractor will give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.

23.3. The Contractor will erect and maintain, as required by existing conditions and performance of the Detailed Scope of Work, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying Sourcewell Member and users of adjacent sites and utilities.

23.4. When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor will exercise utmost care and carry on such activities under supervision of properly qualified personnel.

23.5. The Contractor will promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible, except damage or loss attributable to acts or omissions of the Sourcewell Member or Project Manager or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's other obligations included herein.

23.6. The Contractor will designate a responsible member of the Contractor's organization at the Site whose duty will be the prevention of accidents. This person will be the Contractor' superintendent unless otherwise designated by the Contractor in writing to the Project Manager.

23.7. The Contractor will not load or permit any part of the construction or Site to be loaded so as to endanger its safety.

24. HAZARDOUS MATERIALS

24.1. If reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to lead based paint, asbestos or polychlorinated biphenyl (PCB), encountered on the Site by the Contractor, the Contractor will, upon recognizing the condition, immediately stop the Work in the affected area and report the condition to the Project Manager in writing.

24.2. The Sourcewell Member will obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to verify that it has been rendered harmless. Unless otherwise required by the Contract Documents, the Sourcewell Member will furnish in writing to the Contractor and Project Manager the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of such material or substance or who are to perform the Task of removal or safe containment of such material or substance. The Contractor and the Project Manager will promptly reply to the Sourcewell Member in writing stating whether or not either has reasonable objection to the persons or entities proposed by the Sourcewell Member. If either the Contractor or Project Manager has an objection to a person or entity proposed by the Sourcewell Member, the Sourcewell Member will propose another to whom the Contractor and the Project Manager have no reasonable objection. When the material or substance has been rendered harmless, the Work in the affected area will resume upon written agreement of the Sourcewell Member and Contractor. The Purchase Order Completion Time will be extended appropriately.

24.3. To the extent permitted by law, the Sourcewell Member will indemnify and hold harmless the Contractor, Subcontractors, Project Manager, Project Manager's consultants and agents and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance presents the risk of bodily injury or death as described herein and has not been rendered harmless, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or

destruction of tangible property (other than the Work itself) and provided that such damage, loss or expense is not due to the sole negligence of a party seeking indemnity.

24.4. The Sourcewell Member will not be responsible for materials and substances brought to the Site by the Contractor unless such materials or substances were required by the Detailed Scope of Work.

24.5. If, without negligence on the part of the Contractor, the Contractor is held liable for the cost of remediation of a hazardous material or substance solely by reason of performing the Work as required by the Contract Documents, the Sourcewell Member will indemnify the Contractor for all cost and expense thereby incurred.

25. INSURANCE REQUIREMENTS

25.1. The Contractor must procure and maintain, at its own cost and expense, until final acceptance of all the Work covered by this Contract, the following kinds of insurance:

25.1.1. Workers' Compensation Insurance. A policy complying with the requirements of the laws of the state in which the Project is located.

25.1.2. General Liability and Property Damage Insurance. A standard general comprehensive liability insurance policy or a commercial general liability insurance policy issued to and covering the liability of the Contractor for all Work and operations under this Contract, including, but not limited to, contractual and completed operations coverage. The coverage under such policy will not be less than the following limits: Bodily Injury and Property Damage Liability, $2,000,000 Each Occurrence, $2,000,000 Aggregate.

25.1.3. Automobile Liability and Property Damage Insurance. A policy covering the use in connection with the Work covered by the Contract Documents of all owned, non-owned and hired vehicles bearing, or, under the circumstances under which they are being used, required by the Motor Vehicle Laws of the State in which the Project is located. The coverage under such policy will not be less than the following limit: Bodily Injury and Property Damage Liability, $2,000,000 Each Occurrence.

25.1.4. All Risk Builders Risk Insurance. Where specifically required in the Detailed Scope of Work, the Contractor will provide, before the Purchase Order is issued, Builders' Risk Insurance in an amount at least equal to the Purchase Order Price in a form and by a carrier acceptable to the Sourcewell Member. The cost of such Builders Risk Policy will be reimbursed to the Contractor as a reimbursable task.

25.1.5. Pollution Liability Insurance. If a Project involves asbestos abatement encapsulation or other activities involving hazardous materials, the Contractor, Subcontractor or other party responsible for such Work will procure and maintain a liability insurance policy issued to and covering the liability, of the Contractor, Subcontractor or other party engaged in the removal, or handling of hazardous materials, for bodily injury, illness, sickness or property damage caused by exposure in an amount not less than $2,000,000 per occurrence and $2,000,000 aggregate. The cost of Pollution Liability Insurance is included in the Unit Prices and will not be reimbursed separately.

25.2. The Contractor will provide certificates of insurance. Such certificates will be on a form prescribed by Sourcewell, will list the various coverages and will contain, in addition to any provisions hereinbefore required, a provision that the policy will not be changed or cancelled and that it will be automatically renewed upon expiration and continued in force until final

acceptance by Sourcewell, or Sourcewell Member, of all the work covered by the Contract, unless Sourcewell is given 15 days' written notice to the contrary. Upon request, the Contractor will furnish Sourcewell or any Sourcewell Member with a certified copy of each policy.

25.3. Contractor must obtain insurance policy(ies) from insurance company(ies) having an "AM BEST" rating of A- (minus); Financial Size Category (FSC) VII or better, and authorized to do business in the States of Kansas and Minnesota.

25.4. If at any time any of the above-required insurance policies should be cancelled, terminated or modified so that insurance is not in effect as above required, then, if Sourcewell will so direct, the Contractor will suspend performance of the work. If the said work is so suspended, no extension of time will be due on account thereof. If said work is not suspended, then Sourcewell may, at its option, obtain insurance affording coverage equal to that above required, the cost of such insurance to be payable by the Contractor.

25.5. Should the awarded Contractor retain a Subcontractor to perform any of the services mentioned herein, it is the Contractor's responsibility to ensure that the Subcontractor(s) maintains the same types of insurance coverage in accordance with the requirements and amounts indicated herein.

25.6. Sourcewell, its officers, and employees must be included as an additional insured. Any Sourcewell Member, its officials, officers, and employees must be included as an additional insured when so requested by the Sourcewell Member.

26. LIQUIDATED DAMAGES

26.1. If provided for in the Invitation for Bid, Sourcewell may assess liquidated damages for each day after the Purchase Order Completion Time that the Detailed Scope of Work is not complete. It is understood and agreed by and between Contractor, Sourcewell and the Sourcewell Member, that time is of the essence in all matters relating to Liquidated Damages.

26.2. The liquidated damages will be determined on a Purchase Order by Purchase Order basis.

27. TESTS AND INSPECTIONS

27.1. Tests, inspections and approvals of portions of the Work required by the Contract Documents or by laws, ordinances, rules, regulations or orders of public authorities having jurisdiction will be made at an appropriate time. Unless otherwise provided, the Contractor will make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the Sourcewell Member, or with the appropriate public authority. The Contractor will give the Project Manager timely notice of when and where tests and inspections are to be made so that the Project Manager may be present for such procedures.

27.2. If the Project Manager, Sourcewell Member or public authorities having jurisdiction determine that portions of the Work require, through no fault of the Contractor, additional testing, inspection or approval, the Project Manager will instruct the Contractor to make arrangements for such additional testing, inspection or approval by an entity acceptable to the Sourcewell Member, and the Contractor will give timely notice to the Project Manager of when and where tests and inspections are to be made so that the Project Manager may be present for such procedures. Such costs will be at the Sourcewell Member's expense.

27.3. If such procedures for testing, inspection or approval reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure including those of repeated procedures and compensation for the Project Manager's services and expenses will be at the Contractor's expense.

27.4. Required certificates of testing, inspection or approval will, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Project Manager.

27.5. If the Project Manager is to observe tests, inspections or approvals required by the Contract Documents, the Project Manager will do so promptly and, where practicable, at the normal place of testing.

27.6. Tests or inspections conducted pursuant to the Contract Documents will be made promptly to avoid unreasonable delay in the Work.

28. GOVERNING LAW AND VENUE

28.1. The Terms of this Contract will be governed by the laws of the State of Minnesota and all Work will be governed by the place where the Project is located.

28.2. Sourcewell's liability will be governed by the State of Minnesota's Tort Liability act (Minnesota Statutes Chapter 466) and other applicable law.

28.3. All claims and controversies between Sourcewell and Contractor shall be subject to the laws of the State of Minnesota and are to be resolved in Todd County Minnesota.

29. COMPLIANCE WITH LAWS

29.1. In connection with the performance of this Contract, the Contractor will comply with all applicable laws, rules and regulations. The parties hereto agree that every provision of law required to be inserted herein be deemed a part hereof. It is further agreed that if any such provision is not inserted or is incorrectly inserted, through mistake or otherwise, this Contract will be deemed amended so as to comply strictly with the law.

30. SEVERANCE

30.1. If the Contract Documents contains any unlawful provision not an essential part of the Contract Documents and which will not appear to have been a controlling or material inducement to the making thereof, the same will be deemed of no effect and will, upon notice by either party, be deemed stricken without affecting the binding force of the remainder.

31. LICENSE

31.1. Contractor must obtain and maintain all licenses required from all public agencies with jurisdiction over the Work and will keep these documents properly posted at the Site at all times during the performance of the Work.

32. ASSIGNMENT

32.1. No right or interest in this Contract will be assigned or transferred by the Contractor without prior written consent of Sourcewell. No delegation of any duty of the Contractor will be made without prior written consent of Sourcewell.

33. CLAIMS AND DISPUTES

33.1. All claims or disputes between the Sourcewell Member and Contractor will be resolved by Sourcewell Member's representative.

34. SUSPENSION AND/OR TERMINATION BY SOURCEWELL FOR CAUSE

34.1. Sourcewell may, in Sourcewell's discretion: a) suspend Contractor's participation in the Procedure for Ordering Work under Book 2, Section One, Article 2.2 (and the sub-articles thereof), and prohibit the Contractor during such suspension from submitting Price Proposals with respect to the Projects of Sourcewell and the Projects of any one or more Sourcewell Member; or, b) may terminate the Contract, if the Contractor:

34.1.1. Persistently or repeatedly refuses or fails to supply enough properly skilled workers or proper materials;

34.1.2. Fails to make payment to Subcontractors for materials or labor in accordance with the respective agreements between the Contractor and the Subcontractors;

34.1.3. Persistently disregards laws, ordinances, or rules, regulations or orders of a public authority having jurisdiction; or

34.1.4. Otherwise is in substantial breach of a provision of the Contract Documents.

34.2. In the event of Contract termination, if an unpaid balance of one or more Purchase Orders exceeds the costs of finishing the Work, such excess will be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor will pay the difference to Sourcewell.

34.3. The Sourcewell Member may not terminate this Contract between Sourcewell and the Contractor.

35. NONDISCRIMINATION, EQUAL EMPLOYMENT OPPORTUNITY, AND AMERICANS WITH DISABILITIES ACT

35.1. The Contractor will not unlawfully discriminate against any employee or applicant for employment because of race, religion, age, color, sex or National origin, sexual orientation, marital status, political affiliation, or physical or mental disability if qualified. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during their employment without regard to their race, religion, color, sex or National origin, sexual orientation, marital status, political affiliation, or physical or mental disability. Such actions will include, but not be limited to the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation; and selection of training, including apprenticeship. The Contractor agrees to post in conspicuous places available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.

35.2. The Contractor will comply with Title I of the Americans with Disabilities Act regarding nondiscrimination on the basis of disability in employment and further will not discriminate against any employee or applicant for employment because of race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability. In addition, the Contractor will take affirmative steps to ensure nondiscrimination in employment against disabled persons. Such actions will include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

36. AUDITS

36.1. Sourcewell may, at any time after reasonable notice, audit Contractor's records to establish total compliance and to verify the prices charged are in accordance with the Contract. Contractor agrees to provide verifiable documentation and tracking in a timely manner.

37. GRATUITIES

37.1. Sourcewell may cancel this Contract if it is found that gratuities, in the form of entertainment, gifts or otherwise, were offered or given by the Contractor or any agent or representative of the Contractor, to any employee of Sourcewell, are deemed to be excessive with a view toward securing a contract or with respect to the performance of this contact. However, paying the expenses of normal business meals or travel to meetings as described and allowed by law, which are generally made available to all eligible school and government employees, will not be prohibited by this paragraph. Samples of software, equipment, or hardware provided to Sourcewell for demonstration, evaluation or loan purposes are not considered gratuities.

38. FEDERAL FUNDS (APPLIES TO WORK ORDERS DESIGNATED BY AN AGENCY AS FEDERAL ASSISTED)

38.1. This may be a federal assisted construction contract and Federal Labor standards, including the Davis-Bacon requirements, will be enforced. If Federal and State wage rates are applicable, then the higher of the two will prevail. A copy of the Department of Labor Wage Rate Determination applicable to this Contract must be included.

38.2. Particulars of the current Prevailing Wage Scale, which are applicable to the work contemplated under these specifications, are filed with the awarding entity and the agency and must be posted at the project site.

38.3. Certification of compliance with Executive Order 11246, as amended, "EACH BIDDER/OFFER, CONTRACTOR, OR SUBCONTRACTOR HEREBY CERTIFIES THAT IT WILL FULLY COMPLY WITH EXECUTIVE ORDER 11246, AS AMENDED BY EXECUTIVE ORDER 11375, AND THE EQUAL OPPORTUNITY CLAUSE AND RULES AND REGULATIONS ISSUED THEREUNDER, WHICH ARE HEREBY INCORPORATED BY REFERENCE AS APPROPRIATE. THE CONTRACTOR COMMITS ITSELF TO SUCH COMPLIANCE BY SUBMITTING A PROPERLY SIGNED BID OR OFFER BY SIGNING OR OTHERWISE ACCEPTING A CONTRACTOR SUBCONTRACT."

38.4. The Contractor will not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

38.5. The Contractor will allow the Agency access to Contractor's employment records during regular business hours to verify compliance with these provisions when so requested by the Agency.

38.6. If this is a HUD Section 3 contract and Contractor must address the Section 3 employment and contacting goals to be considered a Section 3 responsive bidder. The Contract will be awarded to a Section 3 responsive bidder, provided that the bid amount is reasonable. The definition of a responsive bidder will include consideration of a bidder's responsiveness to Section 3 requirements. A Section 3 responsive bidder who qualifies as a Section 3 Business concern or one who makes a commitment to meet the employment goal for Section 3 resident(s) and/or meets the contracting goals for Section3 business firm(s). A bidder who is nonresponsive to Section 3 requirements will be considered a nonresponsive bidder for the purpose of evaluation bids for a Section 3 contract. The Contract will be awarded to a Section 3 responsive bidder, provided that the bid amount is reasonable. A reasonable bid is a bid that is not more than ten percent (10%) higher than the lowest bid received from any qualified source. If a Section 3 responsive bid is not received within the ten percent (10%) zone of consideration for Contract award, the award will be made to the bidder who submits the lowest bid.

38.7. Companies or individuals that are presently debarred, suspended, proposed for debarment, or declared ineligible for award of federally funded contracts or subcontracts are also ineligible for award of this contract, either as the prime Contractor or as a subcontractor.

38.8. The following requirements may apply to those Work Orders designated by the agency as Federally Assisted.

- **38.8.1.** Federal Highway Administration (FHWA) Circular 1273
- **38.8.2.** Federal Equal Employment Opportunity/Affirmative Action Requirements
- **38.8.3.** Federal Labor Standards Provisions
- **38.8.4.** Compliance with Clean Air and Water Acts
- **38.8.5.** Non-collusion Affidavit to Be Executed by Bidder and Submitted With Bid
- **38.8.6.** Non-Segregated Facilities Certification
- **38.8.7.** Certification With Regard to The Performance of Previous Contracts Or Subcontracts Subject to The Equal Opportunity Clause And The Filing Of Required Reports
- **38.8.8.** Agency Lobbyists Codes
- **38.8.9.** Contractor List of Proposed Subcontractors
- **38.8.10.** Certification of Understanding and Authorization
- **38.8.11.** Equal Employment Opportunity Commitment
- **38.8.12.** Sample Outreach Efforts for Contractors Seeking Section 3 Resident Employees
- **38.8.13.** Section 3 Business Certification Form
- **38.8.14.** Section 3 Economic Opportunity Plan
- **38.8.15.** Section 3 Clause

(The remainder of this page is intentionally left blank)

DocuSign Envelope ID: 916B9457-A06A-422E-88DB-EB15B7DED5E4

CONTRACT AMENDMENT, MODIFICATION, AND EXERCISE OF OPTION
made by and between

Prime Contractors, Inc.
3406 Florence Circle
Powder Springs, GA 30127
("Contractor")

and

Sourcewell
202 12th Street NE
PO Box 219
Staples, MN 56479
Phone: (218) 894-1930 or (888) 894-1930

"Contractor" and "Sourcewell" have entered into an Indefinite Quantity Construction Contract, Contract Number: **GA-ST02-040820-PCI**, with an effective date of April 20, 2020, an initial term of one year, and three (3) bilateral options to extend the term for an additional term.

The parties agree that certain terms within Contract Number **GA-ST02-040820-PCI** will be amended and modified, and that the option to extend for a one-year term will be exercised.

IN CONSIDERATION OF the mutual covenants and agreements described in this Amendment, Modification, and Exercise of Option, the parties agree as follows:

AMENDMENT: CORRECTION OF TYPOGRAPHICAL ERROR

Section 4. A. of Contract Number: **GA-ST02-040820-PCI** included a typographical error at the time of execution. The parties agree that Section 4. A. is amended by striking the word "two" in two locations (as indicated by ~~red strikeout~~ font), and inserting the word "four" (as indicated by the underlined font), to read as follows:

> This Contract has an initial term of one (1) year and a bilateral option provision for three (3) additional terms. The total term of the Contract cannot exceed ~~two~~ four (4) years. One additional one-year renewal-extension may be offered by Sourcewell to Contractor beyond the original ~~two~~ four-year term if Sourcewell deems such action to be in the best interests of Sourcewell and its Members. The Contractor may withdraw from the Contract on each anniversary of the award, provided that the Contractor gives 60 Days written notice of its intent to withdraw. Sourcewell may, for any reason, terminate this Contract at any time.

MODIFICATION: FIRST RENEWAL OPTION PERIOD

Pursuant to the Contract, a new Construction Task Catalog® will be furnished on the anniversary of the solicitation and will be in effect for the twelve (12) month period after the anniversary of the award date. The following are the Construction Task Catalogs® for the next option period:

April 2021: Sourcewell Georgia, East Central
April 2021: Sourcewell Georgia, Northern
April 2021: Sourcewell Georgia, Southeast
April 2021: Sourcewell Georgia, Southwest

DocuSign Envelope ID: 916B9457-A06A-422E-88DB-EB15B7DED5E4

Pursuant to the agreement between the parties, the Adjustment Factors shall remain fixed for the duration of the contract and are as follows:

# GA-ST02-040820-PCI	**Northern Adjustment Factor**
Non Pre-priced	1.1622
Normal Working Hours – Non Secure Areas	1.0946
Normal Working Hours – Secure Areas	1.1189
Other Than Normal Working Hours - Non Secure Areas	1.1162
Other Than Normal Working Hours - Secure Areas	1.1216

# GA-ST02-040820-PCI	**East Central Adjustment Factor**
Non Pre-priced	1.1622
Normal Working Hours – Non Secure Areas	1.0946
Normal Working Hours – Secure Areas	1.1189
Other Than Normal Working Hours - Non Secure Areas	1.1162
Other Than Normal Working Hours - Secure Areas	1.1216

# GA-ST02-040820-PCI	**Southwest Adjustment Factor**
Non Pre-priced	1.1622
Normal Working Hours – Non Secure Areas	1.0946
Normal Working Hours – Secure Areas	1.1189
Other Than Normal Working Hours - Non Secure Areas	1.1162
Other Than Normal Working Hours - Secure Areas	1.1216

# GA-ST02-040820-PCI	**Southeast Adjustment Factor**
Non Pre-priced	1.1622
Normal Working Hours – Non Secure Areas	1.0946
Normal Working Hours – Secure Areas	1.1189
Other Than Normal Working Hours - Non Secure Areas	1.1162
Other Than Normal Working Hours - Secure Areas	1.1216

DocuSign Envelope ID: 916B9457-A06A-422E-88DB-EB15B7DED5E4

EXERCISE OF OPTION: EXTENSION

"Vendor" and "Sourcewell" hereby desire and agree to extend and renew the above defined contract, with the above identified amendment and modifications, for the period of April 20, 2021 through April 19, 2022.

Sourcewell

DocuSigned by:
By: Jeremy Schwartz
C0FD2A139D06489..., Its: Chief Procurement Officer

Name printed or typed: Jeremy Schwartz

Date: 4/14/2021 | 11:11 AM CDT

Prime Contractors, Inc. - #GA-ST02-040820-PCI

DocuSigned by:
By: Keith Dunn
5608ED762AC04E1..., Its: President

Name printed or typed: Keith Dunn

Date: 4/14/2021 | 11:04 AM EDT

- - - -

DocuSign Envelope ID: 1DD237E8-DE4F-4F90-8653-6057EAB9B741

CONTRACT MODIFICATION
made by and between

Prime Contractors, Inc.
3406 Florence Circle
Powder Springs, GA 30127
("Contractor")

and

Sourcewell
202 12th Street NE, PO Box 219
Staples, MN 56479

Contractor and Sourcewell have entered into an Indefinite Quantity Construction Contract, Contract Number: **GA-ST02-040820-PCI**, with an effective date of April 20, 2020, an initial term of one year, and three (3) bilateral options to extend the term for an additional term. The parties have previously exercised the first bilateral option extending the Contract through April 19, 2022.

Under the Contract terms, new Construction Task Catalogs® are to be furnished on the anniversary of the solicitation to remain in effect for a twelve (12) month period. However, as a result of recent market conditions, the parties have agreed to modify the contract by the issuance of interim Construction Task Catalogs®, which will remain in effect until the earlier of the next issuance of each respective Construction Task Catalog® or contract expiration.

IN CONSIDERATION OF the mutual agreement described in this Modification, the parties agree as follows:

MODIFICATION:
The following will be the interim Construction Task Catalogs®, and will remain in effect until the earlier of the next issuance of each respective Construction Task Catalog® or contract expiration.

May 2021: Sourcewell Georgia, Northern
May 2021: Sourcewell Georgia, East Central
May 2021: Sourcewell Georgia, Southwest
May 2021: Sourcewell Georgia, Southeast

Sourcewell

DocuSigned by:
Jeremy Schwartz
C0FD2A139D06489...

By: _____
Jeremy Schwartz

Title: Chief Procurement Officer

Date: 9/24/2021 | 1:28 PM CDT

Prime Contractors, Inc. - GA-ST02-040820-PCI

DocuSigned by:
Keith Dunn
5608ED762AC04E1...

By: _____
Keith Dunn

Title: President

Date: 9/24/2021 | 12:55 PM EDT

DocuSign Envelope ID: 37659F50-0EC6-46A6-9711-24AFCDC95F6F

ANNUAL RENEWAL AND MODIFICATION OF CONTRACT

Prime Contractors, Inc. ("Vendor")
3406 Florence Cir
Powder Springs, Georgia 30127-6049

and

Sourcewell
202 12th Street NE
Staples, MN 56479

Whereas: Vendor and Sourcewell have entered into Contract GA-ST02-040820-PCI with an effective date of April 20, 2020, a maturity date of April 19, 2024, and which is subject to annual renewal at the option of both parties.

MODIFICATION: OPTION PERIOD 4/20/22 – 4/19/23

Pursuant to the agreement between the parties, a Construction Task Catalog® (CTC) will be furnished on the anniversary of the solicitation and will be in effect for the twelve (12) month period after the anniversary of the award date. The following is the CTC for the option period April 20, 2022 through April 19, 2023:

April 2022 - Sourcewell, Georgia Northern Area
April 2022 - Sourcewell, Georgia East Central Area
April 2022 - Sourcewell, Georgia Southwest Area
April 2022 - Sourcewell, Georgia Southeast Area

Pursuant to the agreement between the parties, the Adjustment Factors remain fixed for the duration of the contract.

Now Therefore:

Vendor and Sourcewell hereby desire and agree to extend and renew the Contract and with the above identified modification for the period of April 20, 2022 through April 19, 2023.

Sourcewell	Prime Contractors, Inc.
DocuSigned by: Jeremy Schwartz C0FD2A139D06489...	DocuSigned by: Keith Dunn 5608ED762AC04E1...
By: _____	By: _____
Jeremy Schwartz	Keith Dunn
Title: Chief Procurement Officer	Title: President
Date: 4/18/2022 | 9:12 AM CDT	Date: 4/18/2022 | 10:02 AM EDT

EXHIBIT B

GORDIAN®

Georgia® Department of Administrative Services

ezIQC® Overview

Streamlined Procurement Through Georgia Department of Administrative Services (GDOAS)

When you need to get repairs, renovations, upgrades or time-sensitive work underway quickly, Gordian's ezIQC solution, available through GDOAS, allows you to access competitively-awarded contractors ready to get started on your project immediately. With ezIQC, you avoid the red tape of traditional procurement, issue POs in days and still satisfy your local competitive-bidding requirements. And you can do all this while taking advantage of cooperative volume discounts.



Cost Control

ezIQC establishes local material, labor and equipment pricing upfront in a Construction Task Catalog®, allowing project owners to control costs. Even when changes happen or emergencies strike, ezIQC's preset prices ensure project costs don't get out of hand.



Time Savings

Project initiation with ezIQC is much simpler and faster than it is with traditional construction procurement methods. With a pool of contractors readily available and preset pricing for Tasks, projects can start in a matter of days.



Quality Work

An experienced Gordian representative will work with you and your awarded contractor to ensure quality every step of the way. Gordian assists in the development of a Detailed Scope of Work and ensures the Price Proposal is accurate, so you can rest assured your project is done right.

> "It's an easy way for you to get quality projects done. We love it. I've passed it to other towns, and they love it, too."
>
> Susan Bransfield, City of Portland, CT

Each Project Follows the Same Simple Five-Step Process:



1. Joint Scope Meeting

Once project information is received, Gordian will contact you to schedule a Joint Scope Meeting at the site to help you and the contractor agree on the details of the work to be performed. This meeting allows the contractor to inspect the site and ask questions before submitting a Price Proposal, helping to eliminate misunderstandings and mistakes. This upfront, open communication often results in more cost-effective, collaborative solutions.

2. Detailed Scope of Work

Gordian helps you prepare a Detailed Scope of Work that describes the work the contractor will perform. The Detailed Scope of Work will be sent along with the Request for Proposal to the contractor.

3. Price Proposal

The contractor prepares a Price Proposal by selecting the appropriate tasks from Gordian's Construction Task Catalog® (CTC). The contractor submits the Price Proposal along with a construction schedule and list of proposed local contractors.

4. Price Proposal Review

Gordian reviews the Price Proposal to ensure the contractor has selected the appropriate tasks and quantities and will ask the contractor to make any required changes. The reviewed Price Proposal is submitted for your final review.

5. Purchase Order Issued

Once you are 100% satisfied with the Price Proposal, construction schedule, proposed subcontractors and have received and approved any other required documents (e.g. bonds, certificates of insurance, etc.), you can issue a purchase order for the contractor to proceed.

Get Started

1. Go to ezIQC.com
2. Enter your contact information and brief project description
3. We will contact you and walk you through the process

GORDIAN®

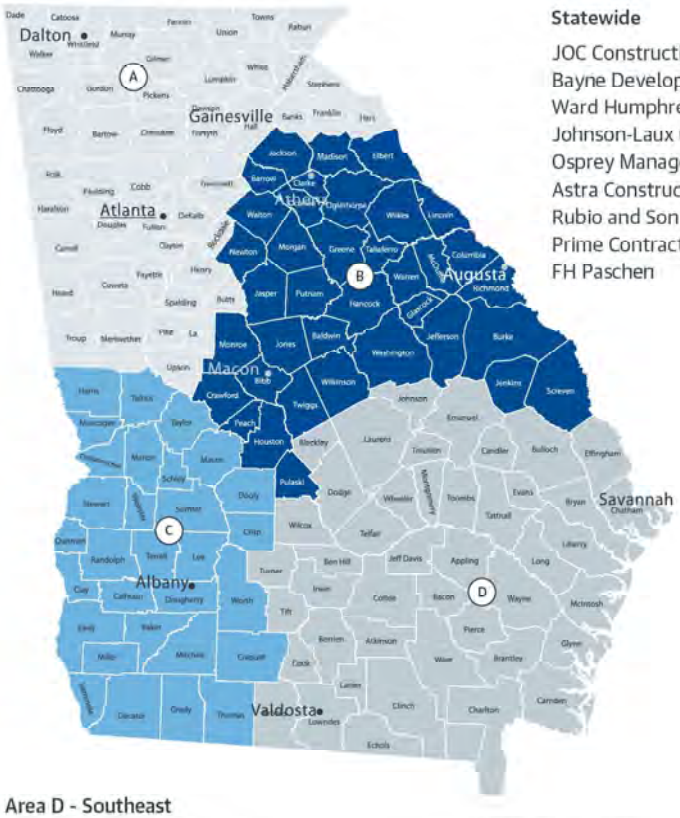
ezIQC®

Georgia® Department of Administrative Services

Georgia Department of Administrative Services Convenience Contract

ezIQC is available in Georgia through the Georgia Department of Administrative Services statewide convenience contract 99999-S20200901.

Contractor Service Areas



Statewide

JOC Construction LLC
Bayne Development Group, LLC
Ward Humphrey, Inc.
Johnson-Laux Construction
Osprey Management
Astra Construction Services, LLC
Rubio and Son Interiors, Inc.
Prime Contractors, Inc.
FH Paschen

Area A - Northern

Brown & Root Industrial Services, LLC
Greene and Burdette Property Management LLC
HITT Contracting
Striker Contracting, LLC
Crown Service Contractors
Albion Scaccia Enterprises, LLC
Paryani Real Estate LLC
HCR Construction, Inc.
Lichty Commercial Construction, Inc.
Place Services, Inc.

Area B - East Central

Greene and Burdette Property Management LLC
Crown Service Contractors
HITT Contracting
Albion Scaccia Enterprises, LLC
Centennial Contractors Enterprises
Darsey Construction LLC
Place Services, Inc.
Ujamaa Construction

Area C - Southwest

Darsey Construction LLC.
Greene and Burdette Property Management LLC
Albion Scaccia Enterprises, LLC
HITT Contracting
Place Services, Inc.
Centennial Contractors Enterprises
Engineering Design Technologies, Inc.
Ujamaa Construction
Jewel of the South, Inc.

Area D - Southeast

Darsey Construction LLC.
Greene and Burdette Property Management LLC
Lynn Construction Contracting, Inc.
Albion Scaccia Enterprises, LLC
HITT Contracting
Place Services, Inc.
Centennial Contractors Enterprises
Engineering Design Technologies, Inc.
Ujamaa Construction

With ezIQC, you can start on repairs, renovations, upgrades or even new construction quickly. Simply visit ezIQC.com and enter a brief project description. We'll contact you to walk you through the process.

PARTICIPATION AGREEMENT (CONTRACT)
between
Prime Contractors, Inc.
and the
STATE OF GEORGIA – DEPARTMENT OF ADMINISTRATIVE SERVICES
for
Sourcewell Contract #: GA-ST02-040820-PCI
Georgia Statewide Contract # 99999-SPD-S20200901-00015

WHEREAS OCGA 50-5-51(9) authorizes DOAS to enter into agreements with nonprofit organizations to further promote the purposes and policies set forth in OCGA 50-5-50 et.seq.; and

WHEREAS Sourcewell is a government cooperative purchasing consortium that can expand the purchasing base for DOAS and thereby create leverage and economies of scale DOAS cannot create by itself; and

WHEREAS Sourcewell issued Invitation for Bid GA-040820 soliciting indefinite quantity construction services; and

WHEREAS Prime Contractors, Inc. ("Contractor") submitted a bid; and

WHEREAS after reviewing Contractor's Bid, Sourcewell selected Contractor as one of the approved vendors to provide indefinite quantity construction services in accordance with Indefinite Quantity Construction Agreement between Sourcewell and Contractor dated April 20, 2020 and the following contract documents: Book 1 - Project Information, Instructions to Bidders and Execution Documents; (b) Book 2 - IQCC Standard Terms and Conditions and IQCC General Conditions; (c) Book 3 - Construction Task Catalog, (d) Book 4 - Technical Specifications; and any Addenda thereto

WHEREAS the term of this Participating Addendum (Contract) will be effective September 1, 2020 through July 20, 2021 and coterminous with the Master Agreement term unless otherwise cancelled or terminated. The parties must mutually agree to renew this Participation Agreement for additional periods of one year (12 months) each. Sourcewell amendments to extend the term date are automatically incorporated into this Participating Addendum (Contract) unless terminated early in accordance with the terms and conditions of the Master Agreement or this Participating Addendum (Contract).

WHEREAS DOAS has determined the pricing formulas in Contractor's Bids submitted to and approved by Sourcewell are as good as or better than prices ordinarily achieved through individual competitive bids.

NOW THEREFORE the parties agree as follows:

1. Forum and Choice of Law

The laws of the state of Georgia shall govern and determine all matters arising out of or in connection with this Contract without regard to the choice of law provisions of state law. In the event any proceeding of a quasi-judicial or judicial nature is commenced in connection with this Participating Agreement, such proceeding shall solely be brought in a court or other forum of competent jurisdiction within Fulton County, Georgia. This provision shall not be construed as waiving any immunity to suit or liability, including without limitation sovereign immunity, which may be available to the state.

2. Legal Compliance

This Contract shall be interpreted and governed by the laws of Georgia without regard to principles of conflicts of laws. Contractor shall comply with all laws, rules, regulations, ordinances, and orders of any

governmental authority having jurisdiction over the project or the performance of the work, and the specific laws noted below, and shall ensure such compliance of its Subcontractors.

2.1. Open Records Act. Authorized User and Contractor acknowledge and agree that certain records of the project and the work, including records of Subcontractors, are subject to the Georgia Open Records Act, O.C.G.A. § 50-18-70 *et seq.*, with particular attention being called to O.C.G.A. § 50-18-70(a) regarding the records of private persons, firms, corporations, or other private entities engaged in performance of services or functions on behalf of a state agency, public agency, or public office.

2.2. Energy Efficiency and Sustainable Construction Act of 2008. All projects subject to the Georgia Energy Efficiency and Sustainable Construction Act of 2008 ("Energy Act") must be designed so that not less than 10 percent of all building materials used in the project are materials that are harvested, extracted, or manufactured in the State of Georgia where such products are commercially available. Contractor shall track the value of all Georgia-based materials installed in the project. Contractor shall provide documentation to ensure compliance and shall complete the Georgia-Based Materials and Products Checklist to certify compliance with, the requirements of the Energy Act. A copy of Georgia-Based Materials and Products Checklist can be located at the following link:

https://gsfic.georgia.gov/sites/gsfic.georgia.gov/files/related_files/press_release/Ga%20Peach%20Guidelines%20Presentation%205-17-13.pdf

2.3. Illegal Immigration Reform and Enforcement Act of 2011. Contractor certifies its compliance with Illegal Immigration Reform and Enforcement Act of 2011 and specifically those provisions codified at O.C.G.A. § 13-10-90 et seq. Contractor warrants that it has registered with and uses the federal work authorization program commonly known as "E-Verify." Contractor further agrees that it will contract for the physical performance of services in satisfaction of this Contract only with Subcontractors who present an affidavit as required by O.C.G.A. § 13-10-91. Contractor warrants that it will include a similar provision in all contracts entered into with Subcontractors for the physical performance of services in satisfaction of this Contract.

2.4. Drug-Free Workplace. Contractor certifies that it will provide a drug-free work place in accordance with the Drug-Free Workplace Act, O.C.G.A. §§ 50-24-1 *et seq.*. Contractor certifies that it will secure from all Subcontractors the following written certification: "As part of the subcontracting agreement with (contractor's name), (subcontractor's name) certifies to the contractor that a drug-free workplace will be provided for the subcontractor's employees during the performance of this contract pursuant to paragraph (7) of subsection (b) of Code Section 50-24-3."

2.5. Applicable Sales and Use Taxes. Contractor shall pay all applicable sales and use taxes, including such taxes on the Authorized User supplied tangible personal property that is to be incorporated into the project as required by O.C.G.A. 50-24-1(h)(1). Prior to supplying such property, Authorized User shall provide notice of the amount of tax owed for such tangible personal property.

2.6. No Boycott of Israel. Contractor certifies that it is not currently engaged in, and agrees for the duration of this Contract not to engage in, a boycott of Israel, as defined in O.C.G.A. §§ 50-5-85.

2.7. Sexual Harassment Prevention. The State of Georgia is committed to providing a workplace environment free from sexual harassment for its employees and for all persons who interact with state government. The State of Georgia requires that its contractors and their employees and subcontractors who interact with State employees to act in a professional manner to contribute to a work environment that is free from sexual harassment. The State of Georgia has adopted a Statewide Sexual Harassment Prevention Policy, a copy of which is available on-line at http://doas.ga.gov/human-resources-administration/board-rules-policy-and-compliance/jointly-issued-statewide-policies/sexual-harassment-prevention-policy Pursuant to the State of Georgia's Statewide Sexual Harassment Prevention Policy, all contractors who are regularly on State premises or who regularly interact with State employees must complete sexual harassment prevention training on an annual basis. If

Contractor has employees and Subcontractors that are regularly on State premises or who will regularly interact with State personnel, Contractor certifies that:

2.7.1. Contractor will ensure that such employees and Subcontractors have received, reviewed, and agreed to comply with the State of Georgia's Statewide Sexual Harassment Prevention Policy;

2.7.2. Contractor has provided sexual harassment prevention training in the last year to such employees and subcontractors and will continue to do so on an annual basis; or Contractor will ensure that such employees and Subcontractors complete the Georgia Department of Administrative Services' sexual harassment prevention training located at the following link:

https://www.youtube.com/embed/NjVt0DDnc2s?rel=0

Prior to accessing State premises and prior to interacting with State employees; and on an annual basis thereafter; and

Upon request of the Authorized User, Contractor will provide documentation substantiating such employees and subcontractors' acknowledgment of the State of Georgia's Statewide Sexual Harassment Prevention Policy and annual completion of sexual harassment prevention training.

2.8. Variances. If Contractor observes that the construction documents are at variance with any laws, ordinances, rules, regulations, or codes stated above, it shall promptly give Notice to Authorized User. If Contractor performs any work contrary to such laws, ordinances, rules, regulations, or codes without providing such prior notice to Authorized User, it shall bear all costs arising therefrom. No variances from the Contract are allowed except to the extent that the said variances are necessary to comply with the above-stated codes. If any express requirements of the Contract are at variance with the above-stated codes, a change order shall be executed to bring the Contract into compliance with the above-stated codes.

2.9. Notice. Any notice or other material communication required or permitted under this Contract shall be in writing, dated, and signed by an officer or duly authorized representative of the party making same. Unless otherwise required by the provisions of this Contract, notice may be sent via electronic mail, fax, U.S. Mail, or hand delivered. All members of the Project Team shall be copied on any notice. The persons and addresses to which notices should be given may be changed by notice given in accordance with this section. Such notice shall be effective as of the date on which it is received or would have been received but for the refusal of the addressee to accept delivery.

2.10. Order of Precedence of Contract and Changes. In the event of conflict among the Contract documents, a change order shall control over any previous change order; and a change order shall control over the general requirements, which shall control over this Contract, which shall control over the general requirements, which shall control over the specifications.

2.11. Order of Precedence in Construction Documents. The following general principles shall govern the settlement of disputes that may arise over conflicts in the construction documents: (a) as between the drawings and specifications, the specifications shall govern; (b) as between figures given on drawings and the scaled measurements, the figures shall govern; and (c) as between large-scale drawings and small-scale drawings, the larger scale shall govern. Conflicts discovered shall be immediately reported to Authorized User.

3.Authorized Source of Supply

DOAS authorizes cooperative purchasing through Sourcewell so that state and local government entities hereafter referred to as Authorized Users may contract for indefinite quantity construction services using the pricing formulas in the Contractor's Bid.

Any such Order placed by an Authorized User for construction services under this agreement shall be bound by the terms and conditions set forth in the Contract Documents referenced above; provided, however;

3.1. Work Order Threshold. Contractor is not obligated to enter into an individual Order with any Authorized User for supplies or services less than $2,000.00. Contractor shall not enter into an individual Order with any Authorized User for supplies and services more than $1,000,000 without prior approval from DOAS;

3.1.1 Contractor shall not enter into a series of Orders with the same Authorized User within a thirty (30) day period for supplies and services that together total more than $2,000,000.00 without prior approval from DOAS.

3.2. Work Order Response. Contractor is required, as soon as practicable after award of the Work Order, to furnish in writing to the Authorized User the names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each portion of the work, along with estimated values to be paid to each Subcontractor. The Authorized User will reply promptly to the Contractor in writing stating whether or not, after due investigation, Authorized User has reasonable objection to any such proposed person or entity. Failure of the Authorized User to reply promptly shall constitute notice of no reasonable objection.

3.1.2. The Contractor shall not contract with a proposed person or entity to whom the Authorized User has made reasonable and timely objection.

3.1.3. If the Authorized User has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Authorized User has no reasonable objection.

3.3. Work Order. The Authorized User may issue a Work Order based upon the needs and scope of their particular construction service requirements referencing SWC_____. Any specific requirements would be attached to the Order as "Special Conditions." All orders under this Contract are to be made out to and processed by the Authorized User and should contain the following:

(i) Mandatory Language "Work Order is subject to the Indefinite Quantity Construction SWC No.:";
(ii) Agency Name, Address, Contact, & Phone-Number and;
(iii) Reference to the state contract number and contractor's name. "**99999-SPD-00000 - Contractor's Name**"
(iv) Completed Project Charter for Services

3.4. Fund Obligation. This Participation Agreement authorizes the Contractor to enter into Orders with Authorized Users hereunder. Each Order that the Contractor executes with Authorized Users is a separate obligation between the Contractor and the Authorized User. DOAS shall not be responsible for the payment of any Orders executed by the Authorized User.

3.5. Reporting. Contractor shall submit the following management reports to the DOAS identified contract administrator. All reports shall be provided by the Contractor in electronic format. All electronic reports must be submitted in Microsoft Excel or Microsoft Access format. Reports should include the ability to sort/summarize by account.

3.5.1. Contractor shall submit a monthly contract status report to DOAS' contract administrator by the fifteenth (15th) calendar day of the following month. Topics to be covered in this report would include, but are not limited to, problems or questions that required more than five working days to resolve, product changes, anticipated problems, small and minority business utilization,

3.5.2. Contractor shall supply a Progress Report to Authorized User by the end of the first week of each month, a minimum of one week prior to the monthly Progress Meeting. The Progress Report shall include the following:

1. Project/management summary
2. Work performed during the reporting period
3. Milestones met and/or achieved
4. Progress against the schedule (any changes is to be identified together with remedial action)
5. Dependencies
6. Problems experienced
7. Activities planned for the next period
8. Risk log status
9. Action log status
10. Assumption log status.

The format of the progress report shall be agreed upon with the Authorized User during the initial Scope Meeting. In addition, the same level of reporting (but by entity) shall be provided to DOAS during the Business Review meetings. Reporting may include, but not limited to, open single and multiple projects.

3.5.3. Upon Request, the Contractor shall provide, evidence of the Contractor's good faith efforts to utilize local, small and minority businesses.

3.6 Construction Task Catalog Updates. On the anniversary of the Sourcewell solicitation, a new Construction Task Catalog will be furnished. The new Construction Task Catalog will be effective for the twelve (12) month period after the anniversary of the Sourcewell award date. The Construction Task Catalogs that accompany each anniversary shall only apply to Work Orders issued after the effective date of that specific renewal option and shall have no impact on Work Orders issued prior to the effective date of that specific renewal option.

SUPPLIER: Prime Contractors, Inc. 3406 Florence Circle, Powder Springs, GA 30127 404-456-4579 Keith Dunn kdunn@primecontractorsinc.net SERVICE AREA	*Area A*	Area B	Area C	Area D
Normal Working Hours - Prevailing Wage – Non-Secure Areas 7am-4pm Mon-Fri; except Holidays	1.0946	1.0946	1.0946	1.0946
Other than Normal Working Hours - Prevailing Wage – Non-Secure Areas 7pm-7am Mon-Fri, all day Sat, Sun & Holiday	1.1162	1.1162	1.1162	1.1162
Normal Working Hours – Non-Prevailing Wage – Secure Areas 7am-4pm Mon-Fri; except Holidays	1.1189	1.1189	1.1189	1.1189
Other than Normal Working Hours - Non-Prevailing Wage – Secure Areas 7pm-7am Mon-Fri, all day Sat, Sun & Holiday	1.1216	1.1216	1.1216	1.1216
Non Pre-Priced Items	1.1622	1.1622	1.1622	1.1622

3.7. Quarterly Business Review Meetings. Contractor must participate in quarterly business review ("QBR") meetings at DOAS' request. During the QBR meetings, the Contractor will present a written and oral status to DOAS regarding all work orders/purchase orders (including date and value). The QBR meeting will also focus on the status of service level agreements and key performance indicators agreed to by the Contractor and DOAS. The QBR meeting may involve, but not be limited to, the following: review of the Contractor's performance and submitted reports, identification of areas of improvement to be addressed, review of the previous quarter's sales statistics, development/monitoring of a Contractor service "scorecard."

4. Bonds. Upon execution of the Contract, Contractor shall furnish requested bonds (a performance bond and/or a payment bond), with a penal sum equal to at least the Contract Sum. Surety companies must be acceptable to Authorized User. All bonds at the time of issuance must be issued by a company authorized by the Insurance Commissioner to transact the business of suretyship in the State of Georgia.

5. Indemnification Obligation. Contractor shall indemnify, defend, and hold harmless Authorized User, the State of Georgia and its departments, agencies and instrumentalities, and all of their respective officers, members, employees, and directors (hereinafter collectively referred to as the "Indemnitees") from and against any and all claims, suits, judgments, liability, demands, losses, costs, or expenses, including reasonable attorneys' fees and other costs of litigation including expert witnesses, arising out of bodily injury (including death), personal injury, and property damage arising out of or resulting from the performance of this Contract or any act or omission on the part of Contractor, its Subcontractors, its agents, employees, or others working at the direction of Contractor or on its behalf, or due to any breach of this Contract by Contractor, or due to the application or violation of any applicable Federal, State or local law, rule, or regulation. The indemnification obligation set forth in this section extends to the successors and assigns of Contractor and will survive the termination of the Contract or Contractor's performance hereunder and the dissolution or, to the extent allowed by law, the bankruptcy of Contractor.

This indemnification obligation does not extend beyond the scope of the any Project, this Contract, and the work or obligations undertaken thereunder. Nor does this indemnification extend to claims for losses or injuries or damages incurred due to the sole negligence of the Indemnitees.

6. Time

6.1. Duty to Commence and Complete Work. Contractor shall commence physical work at the project site within ten (10) days of the issuance of the Proceed Order but shall not commence any physical work on the site until a Proceed Order is issued. Contractor shall achieve Material Completion of the Project not later than the Material Completion Date.

6.2. Time is of the Essence. Time is of the essence of this Contract and all obligations hereunder. Time being of the essence, it is mutually agreed that Owner will suffer damages if Contractor does not achieve Material Completion by the Material Completion Date and Contractor shall therefore compensate Authorized User for the delay as provided in Section 5.3. Contractor has carefully examined and analyzed the Site, the Contract, Construction Documents, and all known factors related to its ability to achieve Material Completion by the Material Completion Date. Contractor agrees that the stipulated Contract Time is fair and reasonable.

6.3. Liquidated Damages for Delay. The parties may agree to an amount to paid as Liquidated Damages if Contractor fails to achieve Material Completion by the Material Completion Date. If the parties agree to Liquidated damages, such Liquidated Damages shall be stated in the Work Order and the Project Charter. The specified liquidated damages are not a penalty but are agreed to in advance because of the difficulty of determining and proving the amount of delay damages incurred by the Authorized User as a result of the delay. Liquidated Damages shall be charged beginning upon the day following the contractually required Material Completion Date and ending on the date that the Certificate of Material Completion is issued. Liquidated Damages shall be deducted from payments due to Contractor as they accrue and such deduction shall be in addition to the retainage provided for in the Contract. If the parties do not agree to a sum for Liquidated Damages, the Authorized User shall be entitled to recover its actual damages if Contractor fails to reach Material Completion by the Material Completion Day.

7. Contract Suspension and Termination

7.1. Termination. The termination of this Contract does not in and of itself terminate any Order(s) executed pursuant to the authorization of this Contract; provided, however, termination of the Contract may be considered by any Authorized User in its determination whether to terminate its individual Order with the Contractor.

7.2. State Right to Terminate Work Order Without Cause. The state may terminate the contract at any time, without cause, upon giving Contractor 60 days' Notice. In the event the state elects to terminate the Contract the state shall pay Contractor, in accordance with the terms of the Contract for all work executed prior to termination, up to the unpaid balance of the Contract Sum.

7.3. Authorized User's Right to Terminate Work Order for Cause. Authorized Users may terminate the Work Order if Contractor is in breach of a Notice of Non-Compliant Work; if Contractor makes a general assignment for the benefit of its creditors or if a receiver is appointed on account of its insolvency; if Contractor persistently disregards laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction over the project; if Contractor abandons the project for a period of seven (7) or more days; if Contractor is otherwise guilty of a substantial violation of any provision of the Work Order or for any reason that would permit Authorized Users to terminate the Work Order under applicable law. Authorized Users may terminate the Work Order or these causes, without prejudice to any other right or remedy under

this Contract, at equity, or in law, upon giving Contractor fifteen (15) days' Notice of Authorized User's intent to terminate for cause.

7.4. Authorized User's Right to Retain Work Upon Termination for Cause. Upon termination for cause, Authorized Users shall have the right to take possession of the work, together with all materials, equipment, tools, and improvements thereon and to finish the work by whatever reasonable method Authorized Users may deem expedient.

7.5. Payment Due Upon Termination for Cause. Upon termination for cause, Contractor shall not be entitled to receive any further payment until the work is completed. Upon completion, Authorized Users shall pay the positive excess of (i) the unpaid balance of the Contract Sum over (ii) Authorized User's cost of completion of the work, plus any damages incurred by Authorized Users due to such termination or the basis for such termination, including but not limited to liquidated damages for delays in completion.

8. Construction Phase Requirements

8.1. Review of Construction Documents. Prior to commencing the work, Contractor shall review all construction documents for any inconsistency, ambiguity, error, or omission. When potential design issues are identified, Contractor shall annotate the construction documents and shall issue an explanation in writing to the Authorized User. The Authorized User shall furnish complete, definite, and clear instructions in response to the request in writing, or by issuing drawings, or both. In the event instructions are given orally for expediency, they shall be confirmed in writing or by drawings within five (5) days following the oral instructions. Any such additional instructions shall be consistent with the Construction Documents and reasonably inferable therefrom. Contractor shall not proceed with the affected work until receiving a response from the Authorized User.

8.2. Progress Reports. During the construction phase, Contractor shall monitor the progress of the work for conformance with the overall project schedule and keep the Authorized User informed of such progress and shall maintain records documenting the progress of the work. Contractor shall submit progress reports at intervals reasonably determined by the Authorized User. Progress reports shall document the progression of the work and shall include information on the percentage of completion and indicate completed activities and any changes in sequencing or activity durations, including approved change orders. Progress reports also note dates by which non-compliant work shall have been cured and note the actual date of cure of the non-compliant work.

8.3. Supervision of Work. Contractor shall supervise and direct the work using diligent skill and attention in order to ensure satisfactory progress of the work and that the quality of the work complies with the Contract. Contractor shall be responsible for and shall coordinate all construction means, methods, techniques, sequences, and procedures. Contractor is fully responsible to Authorized User for the acts and omissions of its officers, employees, agents, all Subcontractors and their respective officers, employees and agents, and all other persons on the site at the direction of Contractor or to perform work. Non-performance, improper performance, or other default by any Subcontractor or employee or agent of Contractor shall not excuse Contractor from its obligation to assure timely performance of the work in compliance with the Contract.

8.4. Safety. The Contractor is responsible for the safety of the site and the work. The Contractor shall comply with the rules and regulations of OSHA and/or the Department of Labor (O.C.G.A. § 34-2-6), and, where not inconsistent with the foregoing, the "Manual of Accident Prevention in Construction" issued by the Associated General Contractors of America, Inc., for safety and prevention of accidents. Contractor shall properly maintain at all times, as required by the conditions and progress of the work, proper safeguards for the protection of workmen and the public and shall post danger warnings against any hazards created thereby.

8.5. Project Charter Compliance. The Project Charter herein must be used to officially start and complete all state projects. It formally authorizes the existence of the project and provides a reference source. The charter gives a direction and a sense of purpose to the project management from start to end. To show consensus, ensure the project remains on schedule, and issues are addressed timely all parties must sign Project Charter document prior to the start and at completion of ANY state entity project.

9. Warranties, Inspections and Correction Work

9.1. Construction Warranty. All work shall be free from defects and conform to the requirements of the Contract. Unless otherwise specified, all materials shall be new, and both workmanship and materials shall be of good quality. Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials and Work. Such warranties are referred to herein as the Construction Warranty. In addition to the Construction Warranty, Contractor shall provide all additional warranties called for in the construction documents. These warranties shall be in such form as to permit direct enforcement by the Authorized User against any Subcontractor or third party whose guaranty or warranty is called for. The calling for or the furnishing of written warranties or bonds shall in no way limit the Construction Warranty and the contractual obligations of Contractor hereunder.

9.2. Inspection of the Work. Both Contractor and Authorized User have separate duties to inspect the work. Inspection of the work by the Authorized User or any third party shall not diminish, relieve, or alter the responsibility of Contractor to ensure that all work complies with the Contract. The failure of Authorized User or other third-parties to discover or notify Contractor of the existence of non-compliant work shall not relieve Contractor of its responsibility to ensure that all work complies with the Contract, and neither the Certificate of Material Completion or Certificate of Final Completion nor payment shall relieve Contractor of responsibility to ensure that all work complies with the Contract.

9.3. Contractor's Inspection of the Work. Contractor has an indivisible, non-delegable, and nontransferable contractual obligation to Authorized User to make inspections of the work at all stages to confirm at all times that all work has been executed strictly in accordance with the Contract. Contractor shall not rely on an inspection by the Authorized User or any other third party to identify non-compliant work.

9.4. Notice of Non-Compliant Work. The Authorized User may issue a Notice of Non-Complaint work if it observes non-compliant work, including failure to maintain the overall project schedule. The Notice of Non-Compliant Work shall be in writing, dated, and addressed to Contractor with a copy to the Authorized User, as applicable. The Notice of Non-Compliant Work shall include a description of the non-compliant work, a citation to the provision of the Contract (or incorporated document or standard) that has been violated, and a reasonable period to correct the non-compliant work ("Cure Period"). If Contractor is unsure or unaware of any information necessary to correct the non-compliant work, it shall immediately request such information in writing. In the event that the Authorized User incurs increased costs due to re-inspection of work that was found to be non-compliant, Contractor shall be liable for the costs of the re-inspection, including but not limited to the salary, professional fees, and travel expenses of the Authorized User or inspection firm.

9.5. Duty to Promptly Correct Work. Contractor shall promptly correct any non-compliant work within the Cure Period stated in the Notice of Non-Compliant Work. The duty to correct the work shall apply whether the non-compliant work is discovered before or after Material Completion. Contractor shall bear the costs of correcting such non-compliant work, including, without limitation, additional testing and inspections and shall bear the expense of restoring all work of separate contractors affected or destroyed by such removal or replacement. Contractor shall give prompt

notice upon completion of the correction of the non-compliant work. In the absence of such notice, it shall be and is presumed under this Contract that there has been no correction of the non-compliant work.

9.5.1. Notice of Non-Compliant Work for Failure to Maintain Schedule. If the Authorized User issues a Notice of Non-Compliant Work for failure to maintain the Overall Project Schedule, Contractor shall deliver to the Authorized User a written plan explaining how Contractor intends to bring the project back in compliance with the overall project schedule within seven (7) days of the issuance of the Notice of Non-Compliant Work. Contractor's plan must provide sufficient detail to allow the Authorized User to determine the proposal's feasibility.

9.5.2. Authorized User's Option to Accept Non-Compliant Work. If the Contractor and the Authorized User deem it inexpedient to correct Non-Compliant Work, Authorized User may agree, in writing, to accept the Non-Compliant Work and make an equitable deduction from the Contract Sum which shall be deducted from Contractor's next payment.

9.5.3. Authorized User's Remedies for Breach of Notice of Non-Compliant Work or Failure to Prosecute the Work. If Contractor does not correct the Non-Compliant Work within the Cure Period stated in the Notice of Non-Compliant Work, Contractor shall be deemed to have breached the Notice of Non-Compliant Work. If Contractor breaches a Notice of Non-Compliant Work or fails to prosecute the Work in accordance with the Contract, Authorized User may, after giving five (5) days' Notice to Contractor, correct the Non-Compliant Work, prosecute the work, or supplement the labor of Contractor or its Subcontractors and deduct the costs thereof from any payment then or thereafter due to Contractor and recover any resulting deficit from Contractor. The remedies stated in this section are in addition to the remedies otherwise available to Authorized User and are without prejudice to any other remedies.

10. Change Orders

10.1. Change Orders. The Authorized User may order changes in the work consisting of additions, deletions, or modifications to the work, with the Contract Sum and the Contract Time being adjusted accordingly. All such changes in the work shall be authorized only by written change order signed by the Authorized User. Without a change order executed by the Authorized User, Contractor shall not make any changes in the work or perform any work that is not a part of the Order, nor shall Contractor receive any compensation or make any claim therefor.

10.2. Change Order Sum. The change order sum may be determined in one or more of the following ways: 1) by an estimate of allowable change order costs agreed upon in advance and paid as a lump sum ("Lump Sum Change Order"), 2) by unit prices named in the Contract or subsequently agreed upon, which unit prices shall include all Contractor overhead, profit, and markup ("Unit Price Change Order"), or 3) by the amount of actual allowable change order costs incurred in the performance of the change order work ("Force Account Change Order").

10.3. Change Order Proposals. Any change order shall contain a description of change order work provided by the Authorized User. Contractor shall promptly respond to the proposed change order with an estimate of the allowable costs of the change order work and the impact to the project schedule. The response shall include an itemized breakdown of allowable change order costs and a justification to the change in the project schedule. The Contractor's justification is provided so that the Contractor, and the Authorized User can determine whether the proposed change in Contract Time or Contract Sum is reasonable and in compliance with the terms of the Contract.

10.3.1. Disagreement as to Change in Contract Sum. In no event shall any increase in the contract sum for such change order work exceed the increase identified in Contractor's response.

10.4. Acceptance of Proposed Change Order. If the Authorized User agrees with Contractor's proposed changes to the contract time and contract sum, then the Authorize User shall execute the Change Order. Upon the Authorized User's execution, the Change Order shall be binding and of full force and effect. All change orders shall be performed under the conditions of the original Contract except as specifically modified by the change order. The change in contract time and contract sum (if any) provided by the change order constitutes compensation in full to Contractor for the change order work and accounts for all delays and impacts related thereto.

11. Project Close Out

11.1. Inspections for Material Completion. Contractor shall request an Inspection for Material Completion when it has completed all work, except for minor Items and permitted incomplete work and submitted all required documents, including final documents.

11.2. Cleaning Prior to Material Completion. Prior to the inspection for Material Completion, Contractor shall remove from the site all waste and perform a thorough cleaning of the Work. Contractor shall dust all hard surfaces, mop all hard floors, vacuum all carpet, remove any stains and paint spots, clean and polish all plumbing fixtures and equipment, clean all electrical and mechanical equipment, and clean all ductwork and filters if dirty. Contractor shall also restore any existing facilities such as roads, landscaping, pavement, fencing, curbing, and the like at the site to at least their pre-construction conditions. Contractor may leave equipment at the site as necessary to achieve Final Completion of the Project. To achieve Material Completion, Contractor shall have fully cleaned the site.

11.3. Notice of Readiness for Inspection for Material Completion. When Contractor determines that the Project is ready for Inspection for Material Completion, Contractor shall give Notice to the Authorized User requesting Inspection for Material Completion. Such notice shall be provided at least seven (7) days in advance of the date requested for Inspection for Material Completion. Such Notice shall include a copy of the Initial Punchlist. If Contractor requests inspection for Material Completion and it is determined by the Authorized User that the Project has not reached Material Completion, referred to as a "false start," then Contractor shall be liable for the costs and damages resulting therefrom.

11.4. Inspection, Certificate of Material Completion. The Authorized User shall conduct the Inspection for Material Completion and shall confirm the Final Punchlist by adding or deleting minor items or permitted incomplete work as appropriate. Upon completion of the Inspection for Material Completion, if the Authorized User determines the work has reached material completion, the Authorized User shall execute the Certificate of Material Completion and attach a first draft of a Final Punchlist, which may be handwritten or in electronic format and which shall list all minor items and permitted incomplete work and assign amounts to be withheld from the Payment for Material Completion on account of each minor item and permitted incomplete work. The Final Punchlist shall include completion dates for the permitted incomplete work. All minor items shall be completed within thirty (30) days of material completion.

11.5. Payment for Material Completion. Upon material completion, Contractor shall submit a Payment Application along with a Payment Affidavit certifying completion of all work in accordance with the contract, except for minor items and permitted incomplete work, and releasing all claims against the Authorized User of any nature arising out of the project except any claims noted on the Payment Affidavit. If Contractor fails to provide a Payment Affidavit, Payment for material completion shall operate as settlement, waiver, release, discharge, and

payment in full of all claims (including Claims) against Authorized User of any nature arising out of the project except for the work associated with the minor items and the permitted incomplete work.

11.6. Material Completion. A determination that Contractor has achieved material completion, the issuance of a Certificate of Material Completion, or Authorized User's Payment for Material Completion shall not preclude or diminish Authorize User's rights or remedies for non-compliant work discovered after such events. All such rights and remedies set forth herein shall continue after such events.

11.7. Final Completion, Payment. Final completion is the completion of all work. When Contractor has completed all work, it shall request an inspection for final completion. The Authorized User shall inspect all work and if it determines that all work it complete, it shall execute the Certificate of Final Completion. Upon final completion, Contractor shall submit a Payment Application requesting the remainder of the contract sum. Acceptance of payment for final completion by Contractor shall operate as settlement, waiver, release, discharge and payment in full of all claims against the Authorized User of any nature arising out of the project.

11.8. Final Completion. A determination that Contractor has achieved Final Completion, the issuance of a Certificate of Final Completion, or Authorized User's Payment for Final Completion shall not preclude or diminish Authorized User's rights or remedies for non-compliant work discovered after such events. All such rights and remedies set forth herein shall continue after such events.

12. Payment

12.1. Schedule of Values. Prior to the issuance of the proceed order, Contractor shall submit a Schedule of Values of the work to assist the Authorized User in reviewing Payment Applications. The Schedule of Values shall allocate the contract sum to the portions of the work in such detail as Authorized User require. If requested, Contractor shall provide evidence of the accuracy of the Schedule of Values. Unless objected to the Authorized User, the Schedule of Values shall be used to determine the payment due for completion of each portion of the work.

12.2. Payment Applications. Contractor shall submit a Payment Application to the Authorized User by the fifth (5th) day of each month for the work performed during the previous month on the form supplied by the Authorized User. The Payment Application shall itemize the total sum billed in the same format as the Schedule of Values and shall include the percentage complete for each item of work. Contractor shall submit no more than one (1) Payment Application during each month. No payment shall become due to Contractor until a proper Payment Application is submitted.

12.3. Representations of Contractor. The Payment Application constitutes a representation by Contractor to the Authorized User that (i) the quality of the work covered by the application is in accordance with the Contract; (ii) Contractor is entitled to payment in the amount requested; (iii) all work covered by any previously approved Payment Application, for which Contractor has been paid, is free and clear of liens, claims, security interests or encumbrances, and (iv) title to all work covered by the Payment Application will pass to Authorized User no later than the time of payment.

12.4. Payment. The Authorized User shall make payment for all work completed in the previous month, based upon the Schedule of Values and Contractor's estimate of percentage complete, less the retainage and subject to Authorized User's right to withhold amounts and Authorized User's right to adjust for overpayments. Authorized User shall make payment to Contractor no later than thirty (30) days after receipt of a properly completed Payment Application.

12.5. Disputed Payments. The Authorized User and Contractor agree to use their best efforts to resolve all disputes concerning the Payment Application during the said thirty (30) day payment period. If Authorized User disputes a portion of the Payment Application, Authorized User shall make payment of all undisputed amounts within the thirty (30) day payment period. If payment disputes continue, DOAS shall be notified for further action.

12.6. Payments Withheld. Authorized Users may withhold payment, or nullify the whole or part of any previous Payment Application, to such extent necessary to protect Authorized Users from loss on account of any one or more of the following: (i) Non-Compliant Work; (ii) failure of Contractor to make payments due to Subcontractors; (iii) reasonable evidence that the Contract cannot be completed for the unpaid contract sum; (iv) damage to a separate contractor or to any other third party, or reasonable evidence that third parties may file claims against Authorized User due to acts or omissions of Contractor; (v) failure to maintain the overall project schedule, or (vi) requests for or prior payment of costs that are not required to be reimbursed hereunder. When the grounds for withholding payment are remedied (if applicable), payment shall be made for amounts withheld because of them. In the case of withholding payment for failure to pay Subcontractors, Authorized User may agree to payment upon receipt of a satisfactory Consent of Surety.

12.7. Payment of Subcontractors. Contractor shall pay Subcontractors the amount due for Subcontractor's work, less applicable retainage, within seven (7) days of receipt of payment from Authorized User for such work unless the contract between Contractor and Subcontractor provides that no such payment is due (e.g. without limitation, as a result of non-performance under the Subcontract). The Authorized User has the right to request evidence from the Contractor that the Contractor has properly paid all Subcontractors. If the Contractor fails to provide such information within seven (7) days of Authorized User request, Authorized User shall have the right to contact Subcontractors to determine if they have been paid. Authorized User shall have no obligation to pay or see to the payment of money to a Subcontractor.

12.8. Milestone Payments. Authorize User shall have the option to make milestone payments in which the Authorized User shall make payments to the Contractor in accordance with an agreed upon Milestone Payment Plan for Work Orders subject to satisfactory completion of the milestone events detailed in the Project Charter.

12.9. Retainage. Until the payment for Material Completion, Authorized User may withhold retainage in the amount of ten percent (10%) from each Payment Application.

12.10. Freezing Retainage. After one-half (1/2) of the Contract sum has been paid, upon submission of the next Payment Application following the payment of one-half of the contract sum, if the work is on or ahead of schedule according to the overall project schedule and there are no unresolved breaches of non-compliant work, Contractor may request that the Authorized User stop the collection of retainage. Upon Authorized User approval, the previously withheld retainage will be converted to a lump sum to be held by Authorized User until Material Completion and Authorized User will collect no additional retainage unless retainage is reinstated. Authorized User will reinstate collection of retainage if the work is five percent (5%) or more behind schedule according to the overall project schedule or if Contractor breaches a Notice of Non-Compliant Work. Authorized User will continue the collection of retainage under this section until the breach is cured or the time is recovered and the project is on or ahead of schedule.

12.12. Retainage Release. When Material Completion is achieved, retainage shall be paid to the Contractor with the payment for Material Completion.

12.13. Contractor Administrative Fee Compliance. For this statewide contract, DOAS requires each Contractor to pay to DOAS an administrative fee on all sales pursuant to the resulting

contract. The administrative fee amount for this statewide contract is 1%. Contractors currently holding one or more Participating Agreements are required to be compliant with the terms and conditions of their current agreement(s) with the State. This includes every quarterly reporting and administrative fee submission requirements. DOAS will not award the resulting Contract to a Contractor, who has failed to meet its current Contract obligations.

13. Dispute Resolution

13.1. Dispute Resolution. (a) Initially, all disputes shall be resolved at the agency level. The Authorized User and the Contractor shall resolve disputes regarding issues with the work; to include, technical and design issues, and material changes to Specifications. (b) If the dispute cannot be resolved at the agency level within five (5) calendar days after recognition, either Party shall notify DOAS in writing of the dispute, and DOAS will instructed on further actions.

14. DOAS Annual Outreach and Marketing Opportunities

14.1. Participation in DOAS State Purchasing's Annual Georgia Procurement Conference (GPC). DOAS hosts an annual marketing and training trade conference, usually in late April or early May, to educate public procurement professionals on the commodities and services available on Participating Agreements, offer them educational platforms to learn new techniques and best practices from state and national industry experts and provide marketing, networking and training opportunities to Participating Contractors.

The attendees at these events have included public procurement professionals from all state agencies, the colleges and universities of the Board of Regents and the Technical College System of Georgia, local cities and municipalities across the state, and many independent authorities. The Exhibitor Expo, which is one of the highlights of the conference, has significant marketing value and is extremely cost effective as it provides exceptional opportunities for Contractors to market directly to thousands of attendees.

The Georgia Procurement Conference is scheduled each year at the Jekyll Island Convention Center and is primarily supported by statewide Contractors as exhibitors. The cost to exhibit in the past has ranged from $1,300 to $1,600 depending on booth location desired. DOAS believes that the Expo is important because it provides public purchasers with an opportunity to meet over 300 Contractors and receive important information on new and existing products and services. It provides Contractors with training workshops and the unparalleled opportunity to establish and renew business relationships with existing customers and to market their business to approximately 800 attendees, many of whom represent potential new customers. Please note that exhibiting at the Georgia Procurement Conference is not required.

14.2. Contract Outreach. Contractor is required, at a minimum, to participate in outreach efforts to raise awareness of potential subcontracting opportunities resulting from work ordered by Authorized Users. The Contractor is strongly encouraged to formally advertise subcontractor opportunities resulting from an Order placed by Authorized Users in publications or communication media regardless of the amount of the Order.

15. State Entities' Right to Seek Competitive Bids

15.1. Authorized Users Seeking Other Bid Opportunities. Notwithstanding anything in the Invitation for Bids issued by Sourcewell or Contractor's Bid, Authorized Users shall, at all times prior to signing a contract for work, have the right to reject any offer or proposed engagement from Contractor and seek competitive bids through the normal competitive bidding process.

16. Successors and Assigns

16.1. This Participation Agreement shall be binding upon and inure to the benefit of the successors and permitted assigns of the parties hereto.

17. Entire Agreement

17.1. This Participation Agreement shall be and remain in full force and effect in accordance with its terms and shall constitute the legal, valid, binding and enforceable obligations to the parties. This Participation Agreement (including any written amendments thereto), collectively, are the complete agreement of the parties and supersede any prior agreements or representations, whether oral or written, with respect thereto.

IN WITNESS WHEREOF, the parties hereto have executed this Participation Agreement on the day and year first above written;

Prime Contractors, Inc.

Authorized Signature: _____

Print Name: Keith Dunn

Date: 07/24/2020

Department of Administrative Services – State Purchasing

Authorized Signature: DocuSigned by: Lisa Eason 822808E06EBB41F...

Print Name: Lisa Eason

Date: 8/18/2020

EXHIBIT B

SCOPE OF WORK FROM CONTRACTOR

Work Order Signature Document

EZIQC Contract No.: GA-ST02-040820-PCI

[X] **New Work Order** [ ] **Modify an Existing Work Order**

Work Order Number: 107018.00 Work Order Date: 12/01/2022

Work Order Title: City of Alpharetta - Waters Road Pocket Park

Owner Name:	City of Alpharetta	Contractor Name:	Prime Contractors, Inc.
Contact:	Kurt Kirby	Contact:	Gary Frantz
Phone:	770-8719195	Phone:	813-205-9762

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of EZIQC Contract No GA-ST02-040820-PCI.

Brief Work Order Description:

City of Alpharetta - Waters Road Pocket Park

Time of Performance ***See Schedule Section of the Detailed Scope of Work***

Liquidated Damages Will apply: [X] Will not apply: [ ]

Work Order Firm Fixed Price: $1,232,233.34

Owner Purchase Order Number:

Approvals

Owner Date

Contractor Date

Detailed Scope of Work

To: Gary Frantz
Prime Contractors, Inc.
3406 Florence Circle
Powder Springs, GA 30127
813-205-9762

From: Kurt Kirby
City of Alpharetta
2 Park Plaza
Alpharetta, GA 30009
770-8719195

Date Printed: December 01, 2022

Work Order Number: 107018.00

Work Order Title: City of Alpharetta - Waters Road Pocket Park

Brief Scope: City of Alpharetta - Waters Road Pocket Park

☐ **Preliminary** ☐ **Revised** ☒ **Final**

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Please see the attached detailed scope of work (DSOW).

Contractor _____ Date _____

Owner _____ Date _____

Contractor's Price Proposal - Summary

Date: December 01, 2022

IQC Master Contract #: GA-ST02-040820-PCI
Work Order Number: 107018.00
Owner PO #:
Work Order Title: City of Alpharetta - Waters Road Pocket Park
Contractor: Prime Contractors, Inc.
Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

Area Lighting	**$33,489.63**
Base	**$2,068.79**
Bond	**$16,027.77**
Concrete Entry	**$102,616.86**
Concrete Slabs	**$2,699.35**
Contingency	**$100,000.00**
CXT Plumbing	**$6,213.94**
CXT Restroom	**$77,690.87**
Design Services	**$40,515.10**
Electric	**$30,505.28**
Fulton Co Sewer Service Fee	**$61,257.90**
Fulton Co Water Service Fee	**$16,204.10**
Grading	**$36,378.49**
Landscape	**$106,936.62**
Lexan Call Box	**$9,120.90**
Park Furniture	**$5,976.46**
Pave Drain Parking	**$94,413.42**
Playground	**$145,275.00**
Playground Fence	**$22,338.21**
Playground Surface	**$4,433.13**
Poligon Pavilions/Labor Furnishings	**$43,009.42**
Sidewalks	**$23,814.65**
Site Sanitary	**$119,647.96**
Slate Scape Trail	**$112,466.65**
Striping	**$286.57**
Wall Guardrail	**$18,846.27**

Contractor's Price Proposal - Summary Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Total **$1,232,233.34**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: **22.33%**

Contractor's Price Proposal - Detail

Date: December 01, 2022

IQC Master Contract #: GA-ST02-040820-PCI
Work Order Number: 107018.00
Owner PO #:
Work Order Title: City of Alpharetta - Waters Road Pocket Park
Contractor: Prime Contractors, Inc.
Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Area Lighting

1 03 31 13 00 0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings $964.56

	Quantity		Unit Price		Factor	=	Total
Installation	4.00	x	220.30	x	1.0946	=	964.56

Lighting bases

2 03 31 13 00 0022 0039 MOD For Up To 20, Add $61.60

	Quantity		Unit Price		Factor	=	Total
Installation	4.00	x	14.07	x	1.0946	=	61.60

3 26 56 13 00 0492 EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base $14,668.69

	Quantity		Unit Price		Factor	=	Total
Installation	8.00	x	1,675.12	x	1.0946	=	14,668.69

4 26 56 13 00 0492 0552 EA For Bronze Or Satin Anodized Finish, Add $1,069.38

	Quantity		Unit Price		Factor	=	Total
Installation	8.00	x	122.12	x	1.0946	=	1,069.38

5 26 56 19 00 0033 EA 88 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS5) $16,725.40

	Quantity		Unit Price		Factor	=	Total
Installation	8.00	x	1,909.99	x	1.0946	=	16,725.40

Subtotal for Area Lighting **$33,489.63**

Base

6 01 74 19 00 0016 EA 40 CY Dumpster (6 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. $2,068.79

	Quantity		Unit Price		Factor	=	Total
Installation	3.00	x	630.00	x	1.0946	=	2,068.79

Subtotal for Base **$2,068.79**

Bond

7 01 22 16 00 0002 EA Reimbursable FeesReimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal. $16,027.77

	Quantity		Unit Price		Factor	=	Total
Installation	14,570.70	x	1.00	x	1.1000	=	16,027.77

P&P Bond

Subtotal for Bond **$16,027.77**

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Concrete Entry

8	03 37 16	00 0006		HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	$1,470.35
				Installation	Quantity 6.00 x Unit Price 223.88 x Factor 1.0946 = Total 1,470.35	
9	32 11 16	16 0007		SY	6" Crushed Aggregate Base Course For Roadways And Parking Areas	$10,497.21
				Installation	Quantity 1,000.00 x Unit Price 9.59 x Factor 1.0946 = Total 10,497.21	
10	32 11 16	16 0007	0009		For >500 To 1,000, Add	$1,050.82
				Installation	Quantity 1,000.00 x Unit Price 0.96 x Factor 1.0946 = Total 1,050.82	
11	32 13 43	00 0002		SF	6" Thick Pervious Concrete PavingIncludes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	$99,460.83
				Installation	Quantity 8,500.00 x Unit Price 10.69 x Factor 1.0946 = Total 99,460.83	
12	32 13 43	00 0002	0038		For >5,000 To 30,000, Deduct	-$9,862.35
				Installation	Quantity 8,500.00 x Unit Price -1.06 x Factor 1.0946 = Total -9,862.35	

Subtotal for Concrete Entry **$102,616.86**

Concrete Slabs

13	03 31 13	00 0003		SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	$963.07
				Installation	Quantity 144.00 x Unit Price 6.11 x Factor 1.0946 = Total 963.07	
					12x12 Poligon	
14	03 31 13	00 0003	0156		For Up To 500, Add	$294.75
				Installation	Quantity 144.00 x Unit Price 1.87 x Factor 1.0946 = Total 294.75	
15	03 31 13	00 0003		SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	$481.54
				Installation	Quantity 72.00 x Unit Price 6.11 x Factor 1.0946 = Total 481.54	
					8x9 Poligon	
16	03 31 13	00 0003	0156	MOD	For Up To 500, Add	$147.38
				Installation	Quantity 72.00 x Unit Price 1.87 x Factor 1.0946 = Total 147.38	
17	03 31 13	00 0023		CY	Concrete Pump, Place 3,000 PSI Concrete Spread FootingsExcludes pumping equipment.	$768.61
				Installation	Quantity 3.00 x Unit Price 234.06 x Factor 1.0946 = Total 768.61	
18	03 31 13	00 0023	0039		For Up To 20, Add	$44.00
				Installation	Quantity 3.00 x Unit Price 13.40 x Factor 1.0946 = Total 44.00	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Subtotal for Concrete Slabs **$2,699.35**

Contingency

19 01 22 16 00 0002 EA — $100,000.00

Reimbursable FeesReimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

	Quantity		Unit Price		Factor	=	Total
Installation	100,000.00	x	1.00	x	1.0000	=	100,000.00

Subtotal for Contingency **$100,000.00**

CXT Plumbing

20 01 22 23 00 0416 WK — $3,037.79

6,000 LB Mini-Excavator With Full-Time Operator

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	2,775.25	x	1.0946	=	3,037.79

21 01 22 23 00 0416 0066 MOD — -$538.77

For Equipment Without Operator, Deduct

	Quantity		Unit Price		Factor	=	Total
Installation	0.25	x	-1,968.84	x	1.0946	=	-538.77

22 01 71 13 00 0003 EA — $1,420.94

Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	1,298.14	x	1.0946	=	1,420.94

Mini-Ex

23 32 17 23 33 0075 EA — $432.50

40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking AreasWhite symbol on blue background . Excludes striping.

	Quantity		Unit Price		Factor	=	Total
Installation	2.00	x	197.56	x	1.0946	=	432.50

24 33 14 13 39 0003 LF — $292.04

3/4" Type L Copper Water Distribution Pipe

	Quantity		Unit Price		Factor	=	Total
Installation	40.00	x	6.67	x	1.0946	=	292.04

25 33 14 13 39 0004 LF — $393.18

1" Type L Copper Water Distribution Pipe

	Quantity		Unit Price		Factor	=	Total
Installation	40.00	x	8.98	x	1.0946	=	393.18

26 33 14 13 39 0005 LF — $503.08

1-1/4" Type L Copper Water Distribution Pipe

	Quantity		Unit Price		Factor	=	Total
Installation	40.00	x	11.49	x	1.0946	=	503.08

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

CXT Plumbing

27	33 31 11	00 0004		LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe								$226.58
				Installation		Quantity 30.00	x	Unit Price 6.90	x	Factor 1.0946	=	Total 226.58	
28	33 31 11	00 0005		LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe								$446.60
				Installation		Quantity 40.00	x	Unit Price 10.20	x	Factor 1.0946	=	Total 446.60	

Subtotal for CXT Plumbing **$6,213.94**

CXT Restroom

29	13000	0004			CXT Ozark								$77,690.87
			NPP	Installation		Quantity 1.00	x	Unit Price 66,848.11	x	Factor 1.1622	=	Total 77,690.87	

Subtotal for CXT Restroom **$77,690.87**

Design Services

Category2 - Civil Engineering

30	01 22 20	00 0055		HR	Principal Engineer								$9,304.98
				Installation		Quantity 40.00	x	Unit Price 212.52	x	Factor 1.0946	=	Total 9,304.98	
31	01 22 20	00 0057		HR	Engineer								$5,649.45
				Installation		Quantity 40.00	x	Unit Price 129.03	x	Factor 1.0946	=	Total 5,649.45	
32	01 22 20	00 0058		HR	Draft Person								$3,350.79
				Installation		Quantity 40.00	x	Unit Price 76.53	x	Factor 1.0946	=	Total 3,350.79	

Subtotal for Category2 - Civil Engineering: **$18,305.22**

Category2 - Landscape Architect

33	01 22 20	00 0052		HR	Principal Architect								$9,304.98
				Installation		Quantity 40.00	x	Unit Price 212.52	x	Factor 1.0946	=	Total 9,304.98	
34	01 22 20	00 0054		HR	Architect								$6,258.49
				Installation		Quantity 40.00	x	Unit Price 142.94	x	Factor 1.0946	=	Total 6,258.48	

Subtotal for Category2 - Landscape Architect: **$15,563.47**

Category2 - Management

35	01 22 20	00 0059		HR	Project Manager								$6,646.41
				Installation		Quantity 40.00	x	Unit Price 151.80	x	Factor 1.0946	=	Total 6,646.41	

Subtotal for Category2 - Management: **$6,646.41**

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	**Equip.**	**Material**	**(Excluded if marked with an X)**			

Subtotal for Design Services **$40,515.10**

Electric

36 01 22 23 00 0425 WK 11,000 LB Mini-Excavator With Full-Time Operator $3,472.65

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	3,172.53	x	1.0946	=	3,472.65

37 01 22 23 00 0425 0066 MOD For Equipment Without Operator, Deduct -$1,077.55

	Quantity		Unit Price		Factor	=	Total
Installation	0.50	x	-1,968.84	x	1.0946	=	-1,077.55

38 01 71 13 00 0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc. $1,420.94

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	1,298.14	x	1.0946	=	1,420.94

Mini-Ex

39 26 05 33 13 1881 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial $9,987.13

	Quantity		Unit Price		Factor	=	Total
Installation	400.00	x	22.81	x	1.0946	=	9,987.13

40 26 05 33 13 1881 0007 For >250 To 500, Deduct -$433.46

	Quantity		Unit Price		Factor	=	Total
Installation	400.00	x	-0.99	x	1.0946	=	-433.46

41 26 05 33 13 1894 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial $1,068.77

	Quantity		Unit Price		Factor	=	Total
Installation	40.00	x	24.41	x	1.0946	=	1,068.77

42 26 05 33 13 1907 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial $1,787.70

	Quantity		Unit Price		Factor	=	Total
Installation	20.00	x	81.66	x	1.0946	=	1,787.70

43 26 05 33 13 2007 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial $5,941.71

	Quantity		Unit Price		Factor	=	Total
Installation	20.00	x	271.41	x	1.0946	=	5,941.71

44 26 21 16 00 0007 MLF 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial $4,122.57

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	3,766.28	x	1.0946	=	4,122.57

45 26 24 13 00 0028 EA 125 To 225 Amperes, 240 Volt, MC Branch Breaker $1,346.47

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	1,230.10	x	1.0946	=	1,346.47

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Electric

46 26 24 13 00 0029 EA 100 To 400 Amperes, 240 Volt, MC Branch Breaker — $2,438.32

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	2,227.59	x	1.0946	=	2,438.32

47 26 27 13 00 0003 EA 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass — $200.50

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	183.17	x	1.0946	=	200.50

48 26 27 13 00 0012 EA 100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter — $229.53

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	209.69	x	1.0946	=	229.53

Subtotal for Electric **$30,505.28**

Fulton Co Sewer Service Fee

49 01 22 16 00 0002 EA Reimbursable FeesReimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal. — $61,257.90

	Quantity		Unit Price		Factor	=	Total
Installation	55,689.00	x	1.00	x	1.1000	=	61,257.90

Subtotal for Fulton Co Sewer Service Fee **$61,257.90**

Fulton Co Water Service Fee

Category2 -

50 01 22 16 00 0002 EA Reimbursable FeesReimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal. — $16,204.10

	Quantity		Unit Price		Factor	=	Total
Installation	14,731.00	x	1.00	x	1.1000	=	16,204.10

Subtotal for Category2 - : **$16,204.10**

Subtotal for Fulton Co Water Service Fee **$16,204.10**

Grading

51 01 22 23 00 0293 WK 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator — $8,895.60

	Quantity		Unit Price		Factor	=	Total
Installation	2.00	x	4,063.40	x	1.0946	=	8,895.60

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Grading

52 01 22 23 00 0293 0066 MOD For Equipment Without Operator, Deduct -$2,142.61

	Quantity		Unit Price		Factor		Total
Installation	1.00	x	-1,957.44	x	1.0946	=	-2,142.61

53 01 22 23 00 0340 MO 335 HP, D8 Bulldozer With Full-Time Operator $18,813.24

	Quantity		Unit Price		Factor		Total
Installation	0.50	x	34,374.64	x	1.0946	=	18,813.24

54 01 22 23 00 0423 MO 9,500 LB Mini-Excavator With Full-Time Operator $12,285.39

	Quantity		Unit Price		Factor		Total
Installation	1.00	x	11,223.63	x	1.0946	=	12,285.39

55 01 22 23 00 0423 0066 MOD For Equipment Without Operator, Deduct -$4,669.37

	Quantity		Unit Price		Factor		Total
Installation	0.50	x	-8,531.64	x	1.0946	=	-4,669.37

56 01 71 13 00 0002 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed TruckIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc. $354.35

	Quantity		Unit Price		Factor		Total
Installation	1.00	x	323.73	x	1.0946	=	354.35

Skid-Steer

57 01 71 13 00 0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc. $2,841.89

	Quantity		Unit Price		Factor		Total
Installation	2.00	x	1,298.14	x	1.0946	=	2,841.89

Bulldozer, Mini-Ex

Subtotal for Grading **$36,378.49**

Landscape

58 01 22 23 00 0293 WK 3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator $8,895.60

	Quantity		Unit Price		Factor		Total
Installation	2.00	x	4,063.40	x	1.0946	=	8,895.60

59 01 22 23 00 0293 0066 MOD For Equipment Without Operator, Deduct -$2,142.61

	Quantity		Unit Price		Factor		Total
Installation	1.00	x	-1,957.44	x	1.0946	=	-2,142.61

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Landscape

60 01 71 13 00 0002 EA — Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed TruckIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc. — $354.35

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	323.73	x	1.0946	=	354.35

61 32 91 13 16 0018 EA — Pine Straw Mulch BaleCovers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen. — $609.01

	Quantity		Unit Price		Factor	=	Total
Installation	99.00	x	5.62	x	1.0946	=	609.01

62 32 91 13 26 0007 SF — Prepare And Mix Plant Bed By Hand, 14" To 18" DeepIncludes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. — $3,321.10

	Quantity		Unit Price		Factor	=	Total
Installation	1,176.00	x	2.58	x	1.0946	=	3,321.10

63 32 91 19 13 0003 CY — Removal Of Topsoil, 6" Deep Stockpile On Site — $328.81

	Quantity		Unit Price		Factor	=	Total
Installation	93.00	x	3.23	x	1.0946	=	328.81

64 32 91 19 13 0018 MSF — Up To 5,000 SF Scarify Up To 8" Soil With Machine — $184.28

	Quantity		Unit Price		Factor	=	Total
Installation	5.00	x	33.67	x	1.0946	=	184.28

65 32 93 13 00 0031 EA — 3 Gallon Wisteria sinensis - Chinese Wisteria Vine — $3,276.59

	Quantity		Unit Price		Factor	=	Total
Installation	49.00	x	61.09	x	1.0946	=	3,276.59

Loropatelum

66 32 93 13 00 0036 EA — 2 Gallon Hydrangea petiolaris - Climbing Hydrangea — $3,843.51

	Quantity		Unit Price		Factor	=	Total
Installation	49.00	x	71.66	x	1.0946	=	3,843.51

67 32 93 13 00 0149 EA — 1 Gallon, Cortaderia selloana - Pampas Grass — $1,590.29

	Quantity		Unit Price		Factor	=	Total
Installation	49.00	x	29.65	x	1.0946	=	1,590.29

Pink Muhly

68 32 93 13 00 0159 EA — 1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass — $1,536.65

	Quantity		Unit Price		Factor	=	Total
Installation	49.00	x	28.65	x	1.0946	=	1,536.65

69 32 93 13 00 0174 EA — 1 Gallon, Stipa gigantea - Giant Feather Grass — $2,427.54

	Quantity		Unit Price		Factor	=	Total
Installation	49.00	x	45.26	x	1.0946	=	2,427.54

70 32 93 33 00 0032 EA — 2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush — $714.42

	Quantity		Unit Price		Factor	=	Total
Installation	49.00	x	13.32	x	1.0946	=	714.42

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			
Landscape						
71	32 93	33 00 0177		EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	$2,917.77
				Installation	Quantity 49.00 x Unit Price 54.40 x Factor 1.0946 = Total 2,917.77	
72	32 93	33 00 0198		EA	4' To 5' Forsythia - Korean Forsythia	$2,038.68
				Installation	Quantity 49.00 x Unit Price 38.01 x Factor 1.0946 = Total 2,038.68	
73	32 93	33 00 0408		EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	$976.70
				Installation	Quantity 49.00 x Unit Price 18.21 x Factor 1.0946 = Total 976.70	
74	32 93	33 00 0414		EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	$1,704.53
				Installation	Quantity 49.00 x Unit Price 31.78 x Factor 1.0946 = Total 1,704.53	
75	32 93	33 00 0547		EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	$1,420.27
				Installation	Quantity 49.00 x Unit Price 26.48 x Factor 1.0946 = Total 1,420.27	
76	32 93	43 00 0203		EA	10' Lagerstroemia indica - Crape Myrtle	$2,126.19
				Installation	Quantity 3.00 x Unit Price 647.48 x Factor 1.0946 = Total 2,126.19	
77	32 93	43 00 0324		EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	$2,211.92
				Installation	Quantity 4.00 x Unit Price 505.19 x Factor 1.0946 = Total 2,211.92	
				Cryptomeria		
78	32 93	43 00 0427		EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	$2,011.55
				Installation	Quantity 10.00 x Unit Price 183.77 x Factor 1.0946 = Total 2,011.55	
79	32 93	43 00 0783		EA	3-1/2" Caliper Quercus ilex - Holly Oak	$2,211.81
				Installation	Quantity 1.00 x Unit Price 2,020.66 x Factor 1.0946 = Total 2,211.81	
80	32 93	43 00 0883		EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	$576.01
				Installation	Quantity 3.00 x Unit Price 175.41 x Factor 1.0946 = Total 576.01	
81	32 93	43 00 0945		EA	3 Gallon Illicium anisatum - Anise Tree	$402.80
				Installation	Quantity 49.00 x Unit Price 7.51 x Factor 1.0946 = Total 402.80	
82	32 93	43 00 1140		EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	$26,738.67
				Installation	Quantity 90.00 x Unit Price 271.42 x Factor 1.0946 = Total 26,738.67	
83	32 93	83 00 0080		EA	3' x 3-1/2' Deep Tree Pit	$36,660.18
				Installation	Quantity 105.00 x Unit Price 318.97 x Factor 1.0946 = Total 36,660.18	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Subtotal for Landscape **$106,936.62**

Lexan Call Box

84	10000		0005			Lexan Call Box							$9,120.90
				NPP	Installation	Quantity 1.00	x	Unit Price 7,847.96	x	Factor 1.1622	=	Total 9,120.90	

Subtotal for Lexan Call Box **$9,120.90**

Park Furniture

85	32	33	43	13 0024		EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)						$3,875.18
x						Installation	Quantity 3.00	x	Unit Price 1,180.09	x	Factor 1.0946	=	Total 3,875.18
						Material Only							
86	32	33	43	53 0008		EA	6' Steel Table And Frame						$2,101.28
x						Installation	Quantity 2.00	x	Unit Price 959.84	x	Factor 1.0946	=	Total 2,101.28
						Material Only							

Subtotal for Park Furniture **$5,976.46**

Pave Drain Parking

87	31	05	16	00 0008		CY	#57 Stone Aggregate Fill (3/8" To 1")						$7,913.14
						Installation	Quantity 105.00	x	Unit Price 68.85	x	Factor 1.0946	=	Total 7,913.14
88	31	05	16	00 0008	0057	MOD	For >96, Deduct						-$1,263.11
						Installation	Quantity 105.00	x	Unit Price -10.99	x	Factor 1.0946	=	Total -1,263.11
89	31	05	16	00 0013		CY	#89 Stone Aggregate Fill (1/16" To 3/8")						$1,471.58
						Installation	Quantity 20.00	x	Unit Price 67.22	x	Factor 1.0946	=	Total 1,471.58
90	32	12	16	39 0003		SY	4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)						$992.91
						Installation	Quantity 470.00	x	Unit Price 1.93	x	Factor 1.0946	=	Total 992.91
91	32	12	16	39 0003	0090		For >250 To 500, Add						$51.45
						Installation	Quantity 470.00	x	Unit Price 0.10	x	Factor 1.0946	=	Total 51.45
92	32	14	40	00 0008		SF	1" Thick, Up to 54 SI Granite PaverIncludes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.						$86,560.97
						Installation	Quantity 4,000.00	x	Unit Price 19.77	x	Factor 1.0946	=	Total 86,560.97

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Pave Drain Parking

93 32 14 40 00 0008 0117 — For >1,000 To 5,000, Deduct — -$1,313.52

	Quantity		Unit Price		Factor	=	Total
Installation	4,000.00	x	-0.30	x	1.0946	=	-1,313.52

Subtotal for Pave Drain Parking **$94,413.42**

Playground

94 12 00 00 01 — Playground Equipment Waters Rd — $145,275.00

		Quantity		Unit Price		Factor	=	Total
NPP	Installation	1.00	x	125,000.00	x	1.1622	=	145,275.00

Subtotal for Playground **$145,275.00**

Playground Fence

95 02 41 16 13 0061 — CF — Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. DemolitionIncludes excavation. — $369.43

	Quantity		Unit Price		Factor	=	Total
Installation	45.00	x	7.50	x	1.0946	=	369.43

96 32 31 19 00 0038 — LF — 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts — $17,064.81

	Quantity		Unit Price		Factor	=	Total
Installation	200.00	x	77.95	x	1.0946	=	17,064.81

97 32 31 19 00 0038 0127 — For Solid Pickets, Add — $3,605.61

	Quantity		Unit Price		Factor	=	Total
Installation	200.00	x	16.47	x	1.0946	=	3,605.61

98 32 31 19 00 0050 — EA — 5' Wide x 3' High Steel Tube Single Swing GateIncludes mounting hardware and associated trim. — $1,062.08

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	970.29	x	1.0946	=	1,062.08

99 32 31 19 00 0050 0127 — For Solid Pickets, Add — $236.28

	Quantity		Unit Price		Factor	=	Total
Installation	1.00	x	215.86	x	1.0946	=	236.28

Subtotal for Playground Fence **$22,338.21**

Playground Surface

100 32 18 16 13 0015 — SF — 6" Loose Laid Wood Fiber Safety Playground Surfacing — $4,433.13

	Quantity		Unit Price		Factor	=	Total
Installation	2,500.00	x	1.62	x	1.0946	=	4,433.13

Subtotal for Playground Surface **$4,433.13**

Poligon Pavilions/Labor Furnishings

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Poligon Pavilions/Labor Furnishings

101	13000	0005			Poligon Pavilions/Labor for All								$43,009.42
			NPP	Installation		Quantity 1.00	x	Unit Price 37,006.90	x	Factor 1.1622	=	Total 43,009.42	

Subtotal for Poligon Pavilions/Labor Furnishings **$43,009.42**

Sidewalks

102	32 11 23	16 0006		SF	6" Crushed Aggregate Base Course For Sidewalks								$3,647.97
				Installation		Quantity 2,415.00	x	Unit Price 1.38	x	Factor 1.0946	=	Total 3,647.97	
103	32 11 23	16 0006	0013		For >1,000 To 2,500, Add								$370.08
				Installation		Quantity 2,415.00	x	Unit Price 0.14	x	Factor 1.0946	=	Total 370.08	
104	32 16 23	00 0004		SF	6" Cast In Place Concrete Sidewalk								$20,645.41
				Installation		Quantity 2,415.00	x	Unit Price 7.81	x	Factor 1.0946	=	Total 20,645.41	
105	32 16 23	00 0004	0098	MOD	For >1,000 To 5,000, Deduct								-$925.21
				Installation		Quantity 2,415.00	x	Unit Price -0.35	x	Factor 1.0946	=	Total -925.21	
106	32 16 23	00 0008		EA	Finish Concrete Handicap Drop Section In SidewalkExcludes patterned (tactile) finish.								$76.40
				Installation		Quantity 1.00	x	Unit Price 69.80	x	Factor 1.0946	=	Total 76.40	

Subtotal for Sidewalks **$23,814.65**

Site Sanitary

107	01 22 23	00 0383		MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator								$68,590.75
				Installation		Quantity 1.75	x	Unit Price 35,807.34	x	Factor 1.0946	=	Total 68,590.75	
108	01 22 23	00 0383	0066	MOD	For Equipment Without Operator, Deduct								-$2,334.68
				Installation		Quantity 0.25	x	Unit Price -8,531.64	x	Factor 1.0946	=	Total -2,334.68	
109	33 31 11	00 0006		LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe								$574.01
				Installation		Quantity 40.00	x	Unit Price 13.11	x	Factor 1.0946	=	Total 574.01	
110	33 31 11	00 0007		LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe								$12,686.41
				Installation		Quantity 610.00	x	Unit Price 19.00	x	Factor 1.0946	=	Total 12,686.41	
111	33 31 11	00 0020		EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain								$148.14
				Installation		Quantity 2.00	x	Unit Price 67.67	x	Factor 1.0946	=	Total 148.14	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			
Site Sanitary						
112	33 31 11	00 0021		EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	$1,716.00
				Installation	Quantity 5.00 x Unit Price 313.54 x Factor 1.0946 = Total 1,716.00	
113	33 31 11	00 0056		EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	$89.10
				Installation	Quantity 1.00 x Unit Price 81.40 x Factor 1.0946 = Total 89.10	
114	33 31 11	00 0057		EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	$302.57
				Installation	Quantity 1.00 x Unit Price 276.42 x Factor 1.0946 = Total 302.57	
115	33 31 11	00 0068		EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	$70.91
				Installation	Quantity 1.00 x Unit Price 64.78 x Factor 1.0946 = Total 70.91	
116	33 31 11	00 0069		EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	$231.88
				Installation	Quantity 2.00 x Unit Price 105.92 x Factor 1.0946 = Total 231.88	
117	33 31 11	00 0070		EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	$6,564.78
				Installation	Quantity 13.00 x Unit Price 461.34 x Factor 1.0946 = Total 6,564.78	
118	33 31 11	00 0113		EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	$2,244.02
				Installation	Quantity 2.00 x Unit Price 1,025.04 x Factor 1.0946 = Total 2,244.02	
119	33 31 11	00 0115		EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	$17,276.70
				Installation	Quantity 9.00 x Unit Price 1,753.73 x Factor 1.0946 = Total 17,276.70	
120	33 31 11	00 0119		EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	$34.79
				Installation	Quantity 1.00 x Unit Price 31.78 x Factor 1.0946 = Total 34.79	
121	33 31 11	00 0120		EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	$191.56
				Installation	Quantity 4.00 x Unit Price 43.75 x Factor 1.0946 = Total 191.56	
122	33 31 11	00 0121		EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	$10,168.62
				Installation	Quantity 60.00 x Unit Price 154.83 x Factor 1.0946 = Total 10,168.62	
123	33 31 11	00 0141		EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	$29.80
				Installation	Quantity 1.00 x Unit Price 27.22 x Factor 1.0946 = Total 29.80	
124	33 31 11	00 0142		EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	$84.55
				Installation	Quantity 2.00 x Unit Price 38.62 x Factor 1.0946 = Total 84.55	

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Name: City of Alpharetta - Waters Road Pocket Park rev2
Proposal Value: $1,232,233.34

	Sect.	Item	Modifer	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)			

Site Sanitary

125	33 31 11	00 0143		EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	$978.05
				Installation	Quantity 12.00 x Unit Price 74.46 x Factor 1.0946 = Total 978.05	

Subtotal for Site Sanitary **$119,647.96**

Slate Scape Trail

126	32 14 09	00 0002		LF	Up To 2" Height, Vinyl Paver Restraint	$9,695.75
				Installation	Quantity 2,660.00 x Unit Price 3.33 x Factor 1.0946 = Total 9,695.75	
127	32 14 09	00 0002	0363		For >2,000 To 4,000, Deduct	-$2,474.89
				Installation	Quantity 2,660.00 x Unit Price -0.85 x Factor 1.0946 = Total -2,474.89	
128	32 14 40	00 0002		SF	1" Thick, Up to 54 SI Slate PaverIncludes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.	$111,567.11
				Installation	Quantity 7,500.00 x Unit Price 13.59 x Factor 1.0946 = Total 111,567.11	
129	32 14 40	00 0002	0118		For >5,000, Deduct	-$6,321.32
				Installation	Quantity 7,500.00 x Unit Price -0.77 x Factor 1.0946 = Total -6,321.32	

Subtotal for Slate Scape Trail **$112,466.65**

Striping

130	32 17 23	13 0004		LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	$238.19
				Installation	Quantity 340.00 x Unit Price 0.64 x Factor 1.0946 = Total 238.18	
131	32 17 23	13 0004	0054		For Up To 5,000 LF, Add	$48.38
				Installation	Quantity 340.00 x Unit Price 0.13 x Factor 1.0946 = Total 48.38	

Subtotal for Striping **$286.57**

Wall Guardrail

132	32 31 19	00 0034		LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	$15,540.58
				Installation	Quantity 250.00 x Unit Price 56.79 x Factor 1.0946 = Total 15,540.58	
133	32 31 19	00 0034	0127		For Solid Pickets, Add	$3,305.69
				Installation	Quantity 250.00 x Unit Price 12.08 x Factor 1.0946 = Total 3,305.69	

Subtotal for Wall Guardrail **$18,846.27**

Contractor's Price Proposal - Detail Continues..

Work Order Number: 107018.00
Work Order Title: City of Alpharetta - Waters Road Pocket Park

Proposal Total **$1,232,233.34**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: **22.33%**

Client - City of Alpharetta

Detailed Scope of Work

Print Date:	December 01, 2022
Work Order Number:	107018.00
Work Order Title:	City of Alpharetta - Waters Road Pocket Park
Contractor:	GA-ST02-040820-PCI - Prime Contractors, Inc.
Brief Scope:	City of Alpharetta - Waters Road Pocket Park

To: Gary Frantz
Prime Contractors, Inc.
3406 Florence Circle
Powder Springs, GA 30127
813-205-9762

From: Kurt Kirby
City of Alpharetta
2 Park Plaza
Alpharetta, GA 30009
770-8719195

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Detailed Scope:

Please see the attached detailed scope of work (DSOW).

Owner _____ Date _____

Contractor _____ **Date** _____

City of Alpharetta - Waters Road Pocket Park
Alpharetta, GA

Scope of Work

Summary Scope (November 7, 2022)

This work order consists of; Design/Build of a Pocket Park at the corner of Kimball Bridge Rd and Waters Rd. This will include Design, Parking, Restroom, Pavilions, Trails/Sidewalks, Benches, Playground, Landscaping, Vehicle/Corner Entrance, Utilities, Emergency Call Box, and Guardrail similar to the Pollock & Associates Concept Plan per detailed Scope of Work below

1. Drawings and Specifications

Referenced and attached hereto;

1.1 Specifications created from Concept Plan dated 6/16/21.

2. Detailed Scope of Work

The Contractor shall perform all work as described below per any and all attached specifications and drawings:

2.1 Design

2.1.1 Base Data Coordination

- Client will provide Consultant a current and accurate ground run (one [1] foot contour interval) topographic and boundary survey (stamped reproducible) and .DWG digital CAD file of survey. Said survey shall utilize the attached checklist and include local issuing authority requirements for setbacks, zoning, buffers, surrounding land use and zonings, and GIS benchmark reference. Client will provide Consultant with a final building floor plan print and .DWG or.DXF computer CAD file of said floor plan.
- Client will provide Consultant with geotechnical exploration report findings if necessary. Client will secure necessary off-site easements and construction encroachment agreements for off-site construction, if necessary. Client will provide additional base data information as identified during the design process and as the project progresses. This additional base data may be required due to submittal requirements or findings made during the research and preliminary phase of the site design. Client will provide Consultant with fire flow and pressure tests for this project site, if necessary.

- Consultant will coordinate and incorporate base data as required to convert the electronic form of the survey into a format that is best utilized by the software capabilities of Consultant in order to complete the remaining tasks associated with this project.

2.1.2 Schematic Drawings and Program Verification

- Consultant will work with Owner, Client, and Design Team to review the program for all site elements including, but not limited to, roads, walks, pavilions, and amenities. Consultant will perform site work related project research with the local governing authority and review project scope with local officials. Preliminary design findings will be incorporated into the schematic drawings. Consultant will attend appropriate design review and development meetings with the Client and/or Owner during the course of the project. Consultant will prepare schematic site plans. Approval of schematic drawings with any associated redline comments is required (in writing) prior to commencement of construction documents.

2.1.3 Site Work Design Development Drawings

- Consultant will prepare design development drawings for site work related items based on approved schematic design. These drawings may be combined as determined by Consultant. These site work design developmentdrawings will consist of:

  A) Preliminary Demolition & Removal Plan addressing existing improvementsthat need removal, replacement or adjustment for new construction.
  B) Preliminary Layout & Paving Plan that will include layout of walls, sidewalks,required ADA access and related site improvements.
  C) Preliminary Grading & Drainage Plan that will include proposed grading for the site improvements, existing and proposed contours, spot elevations,storm drainage system, water quality system, and general notes
  D) Preliminary Site Work Construction Details for related site improvements.
  E) Preliminary Site Utility Plan that will include plan for gravity sanitary sewer,fire, and domestic water service.
  F) Preliminary Tree Protection and Replacement Plan.

2.1.4 Sitework Construction Drawings

- Consultant will prepare construction drawings for site work related items based on approved preliminary design. These drawings may be combined as determined by Consultant. These site work construction drawings will consist of:

A) Demolition & Removal Plan addressing existing improvements that needremoval, replacement or adjustment for new construction.
B) Layout & Paving Plan that will include layout of sidewalks, vehicle drives,vehicle parking, required ADA access, walls and related site improvements.
C) Grading Plan that will include proposed grading for the site improvements, existing and proposed contours, spot elevations, and general notes. ADAaccess will be graded per ADA requirements.
D) Drainage Plan that will include proposed storm drainage system, waterquality system, and general notes.
E) Erosion, Sedimentation, & Pollution Control Plan that will include Georgia Soil and Water Conservation Commission required checklist information. Said plan will be three phased and will reflect NPDES requirements for sitesgreater than one acre of disturbed area.
F) Site Work Construction Details for related site improvements.
G) Site Utility Plan that will include plan, profiles and related details for gravitysanitary sewer, fire and domestic water service.
H) Tree Protection/Replacement Plan that conforms to local issuing authority tree protection/replacement requirements. Said plan will include requiredcalculations and necessary details.
I) Planting Plan that will include plant location and planting details. This plan will also show a plant list that reflects botanical name, common name, quantity, height, spread, root, spacing and general notes.

2.1.5 Stormwater Management Report

- Consultant will prepare a stormwater management report that follows generally accepted standard practice for submittal to the local issuing authority and incorporate this study into the site work construction drawings. This report will generally conform to the Georgia Stormwater Management Manual. This includes channel protection, water quality calculations and hydrograph routing (detention). Stormwater management facilities will be designed to prevent an increase in peak flow rates (not total volume) of runoff in post-development conditions. Consultant will prepare a downstream analysis that incorporates all downstream stormwater drainage structures and features that lie within the watercourse of the overall drainage basin. The downstream study point will be at a point that is equivalent to ten (10) times the site acreage and will be identified using Geographic Information System maps and topographic information (as available). A Stormwater Performance Review Tool for Total Suspended Solids (TSS Report) will be prepared for each drainage basin and for each stormwater management facility that is designed for the project site. The TSS report will be incorporated into the stormwater management report.

2.1.6 General NPDES Permit No. GAR 100001 Requirements

- Consultant will perform the following tasks associated with the Georgia Department of Natural Resources - Environmental Protection Division’s National Pollutant Discharge Elimination System (NPDES) General Permit for Construction Activity #GAR 100001.

1) Determination of presence of impacted streams within one mile downstream of site.
2) Preparation of Erosion, Sediment and Pollution Control Plan (included in Task #5 above).
3) Preparation of Notice of Intent.
4) Initial Inspection/Certification.
5) Termination

2.1.7 Local Issuing Authority Development/Land Disturbance Permit Submittal

- Consultant will meet with local issuing authority to review the project and research necessary information to be placed on the plans in order to submit for a Land Disturbance/Development Permit. Consultant will handle site work design submittals to local issuing authority and obtain comments. Consultant will revise plans to local issuing authority comments and will resubmit plans. Consultant makes no guarantees to secure LDP, as this is outside of Consultant control. All required fees will be paid by Owner.

2.1.8 Technical Site Work Specifications

- Consultant will prepare technical specifications for related site work in accordance with the Client's format.

2.1.9 Bidding, Contract Documents and Negotiation

- Client will be responsible for the preparation of the Construction Contract documents such as that which is typical in the A.I.A. format. Consultant will assist the Client in completing the preparation of Addenda, as required. Consultant will attend pre-bid meeting(s).

2.1.10 Construction Administration/Observation

- Consultant will perform construction administration services regarding the site work, including phone and email communications with the Client and Contractor. Consultant will review shop-drawing and product submittals for general conformance with the intent of construction documents. Consultant will make five (5) site visits (observations) appropriate to the stage, progress, and quality of the work. These site visits include a pre-construction meeting, normal construction observation site visits, a substantial completion inspection and a final inspection. Consultant will make written reports, as necessary, for site observation visits and will make recommendations relative to the progress of the work. This proposal includes all visits (OAC meetings and/or site observations). Should additional site observations be required, they will be invoiced as indicated below. Consultant will assist the Client in the preparation of Change Orders relating to site construction items, if required.
- The Client acknowledges that the Contractor is responsible for the construction of the project and that Consultant is not responsible for the acts or omissions of any Contractor, subcontractor or material supplier; for safety precautions, programs or enforcement; or for construction means,

methods, techniques, sequences, and procedures employed by the Contractor.

2.1.11 Stormwater Management As-Built Certification

- Consultant will provide an as-built certification of constructed stormwater management facilities per local issuing authority standards. Should the as-built analysis (based on the as-built survey provided by the contractor) show that the facility does not meet the requirements of the contract documents, design solution will be developed.

2.1.12 Additional Services

- Should Client request additional work beyond the scope of work (basic services) listed and described herein, the billing will be based on our hourly rates listed below:

- Principal =$175.00/hr
  Department Head = $150.00/hr
  Senior Project Manager = $$130.00/hr
  Registered Professional/Project Manager = $120.00/hr
  Engineer/E.I.T. = $100.00/hr
  Senior Designer = $100/hr
  Designer/Drafter = $85.00/hr
  Clerical = $65.00/hr
  Mileage = $00.60/mile

- Should site observations/on-site meetings be required (above the quantity itemized in **Task #11**), they will be invoiced at eight hundred dollars ($800.00) per site visit.
- Written notice will be given by Consultant to Client before additional services are incurred. Additional services must be approved in writing before performance of such services. Additional services include requested Change Orders, submittal for permits other than Land Disturbance/Development Permit, and revisions or additions required after Consultant has been given approval to proceed with each phase. Should local issuing authority require any variances, these will be handled as additional services.

2.1.13 Services Excluded

- This proposal specifically excludes any tasks not identified in previous paragraphs, including, but not limited to: state water buffer encroachment variances; US Army Corps of Engineers wetland disturbance permitting; traffic engineering and design work for road improvements and intersection improvements within the public right-of-way; traffic impact studies; signalization design; site lighting design; NPDES weekly inspection and reporting; as-built certifications or studies; lift station or force main design; administrative floodplain determination or HEC analysis of existing floodplains; dam design; siltation studies; structural retaining wall design; special permitting or submittals (variances, waivers, sign permits);

preparation of easement / right-of-way Plats and Legal Descriptions and filing of said items with the courthouse. Should any of these or other tasks be required, a separate proposal will be provided.

2.1.12 Standard Care

- The standard of care for all professional services performed or furnished by Consultant under this agreement will be the skill and care used by members of the Consultant's profession practicing under similar circumstances at the same time and in the same locality. Consultant makes no warranties, express or implied, under this agreement or otherwise in connection with Consultant's services.

2.1.13 Indemnification

- Client and Consultant each agree to indemnify and hold the other harmless, and their respective officers, employees, agents and representatives, from and against liability for all claims, losses, damages and expenses, including reasonable attorney fees, to the extent such claims, losses, damages or expenses are caused by the indemnifying party's negligent acts, errors or omissions. In the event claims, losses, damages or expenses are caused by the joint or concurrent negligence of Client and Consultant, they shall be borne by each party in proportion to its negligence.

2.1.14 Force Majuere

- Neither party shall be deemed in default of this agreement to the extent that any delay or failure in the performance of its obligations results from any cause beyond its reasonable control and without its negligence.

2.1.15 Project Schedule

- Once the project has been commenced, Consultant will proceed as expeditiously as is consistent with professional skill and care and the orderly progress of the project. Consultant will strive to meet reasonable and mutually established time frames.

2.1.16 Changes in Project Scope

- If any portions of the Project scope are changed by the Client after Consultant has begun work on the approved plan, Consultant will provide a separate fee proposal to bring the project back to the same point in the design as it was when changes were made.

2.1.17 Documents and Use of Electronic Media

- All documents prepared by Consultant for this project shall remain the property of Consultant as instruments of service. The Client, at their option and expense, may retain reproducible copies for their files. Copies of documents that may be relied upon by Client are limited to the printed

copies (also known as hard copies) that are signed or sealed by Consultant. Files in electronic media format or text, data, graphic or other types that are furnished by Consultant to Client are only for convenience of Client. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. When transferring documents in electronic media format, Consultant makes no representations as to long-term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems or computer hardware differing from those in use by Consultant at the beginning of this assignment.

2.1.18 Claims and Disputes

- This Agreement will be governed and construed in accordance with the laws of the State of Georgia. All claims and disputes arising out of or relating to any work performed by Consultant for the Project shall be resolved by and through the Atlanta office of the American Arbitration Association. Client and Consultant agree that they shall first submit any and all unsettled claims, counter claims, disputes and other matters in question between them arising out of or relating to this agreement to mediation in accordance with the Construction Industry Mediation Rules of the American Arbitration Association, effective as of the date of this agreement. The prevailing party in any such Arbitration may recover any filing fees, attorney's fees, expert fees and/or any other costs, charges and expenses incurred in connection therewith.

2.1.19 No Consequential Damages

- In no event will Consultant be liable to the Client whether such claim is based in contract, tort (including negligence), and strict liability or otherwise, for any incidental, special or consequential damages of any kind, including loss of revenue, loss of profit and loss of use, or any damages associated therewith.

2.1.20 Termination

- This agreement may be terminated at any time by Client or Consultant upon given seven (7) calendar days written notice, with payment of time and expenses spent on project through the end of the notice period.

2.1.21 Proposal Acceptance Period

- Consultant will honor the terms of this proposal for a period of thirty (30) calendar days from the date of this proposal. Should the Client not execute this proposal within said time frame, the terms and conditions of this proposal are subject to being updated.

2.2 Parking

- Provide (8) 9x19 Parking Spaces
- Provide (1) Handicap space 9x19 with an 8' aisle

- Parking Lot shall be PaveDrain permeable paving system
- Driveway shall be concrete
- Vehicle turnaround accommodation included
- Provide lighting to illuminate parking area included. Lighting Spec: TRC-3-T4-32L-7-40K7-UNV-SGL-BRZ-20

2.3 Restroom

- Provide (1) CXT Ozark 1 (CR1233) with Water Fountain and Bottle Filler
- Finishes to match Mid Broadwell Park Unit
- Includes Water Service and Power Service
- Includes Sanitary Sewer Service

2.4 Pavilions

- Concrete Pads included for both
- Provide (1) Poligon 12x12 Gable Roof Sun Shelter with Patrician Bronze Roof and Frame color. Includes (1) Dumor 464-68HS, ADA Black Picnic Table
- Provide (1) Poligon 8x9 Gable Roof Sun Shelter with Patrician Bronze Roof and Frame color. Includes (1) Dumor 464-60HS, Black Picnic Table
-

2.5 Trails/Sidewalks

- Trails and Sidewalks shall be 6 LF wide
- Trails shall be Slatescape
- Sidewalks shall be concrete
- An ADA accessible route shall be provided to the Playground, Restroom, and ADA Pavilion from the parking lot
- Slatescape trails along non ADA routes may utilize recycled plastic lumber timbers as borders to create steps to help minimize grading

2.6 Benches

- Provide (3) DuMor Bench, 58, 6 LF, Black with concrete pads along the trails
- Provide (2) 6 LF Swing Benches, Wabash Vally, Powder-coated black with perforated pattern, square post, Swing Benches with concrete pads along the trails

2.7 Playground

- Provide a 50x50 Playground area
- Includes Playsafe mulch surface
- Includes Steel, black perimeter fencing with (1) entry gate to match North Park playground fencing
- Includes Palyground equipment for a 50x50 playground designed by Playground Creations
- Underground Drainage system is not included

2.8 Landscape

- Provide an Evergreen Screen along the common property line with the Hampton Hall subdivision parcel
- Includes (90) 6' Emerald Green Evergreen @ 5' O.C spacing, (10) 3" cal October Glory Maple, (3) 3" cal Lacebark Elm, (1) 3" cal Willow Oak, (4) 3" cal Cherokke Princess Dogwood, (3) 8-10 ft Natchez Crape Myrtle, and (4) 8 Ft Cryptomeria
- If walls are needed they shall match appearance of existing along Kimball Bridge Road
- No sprinkler system included

2.9 Vehicle/Corner Entrance

- Provide full access drive to vehicle entrance
- Provide sidewalk connection into site along eastern side of drive only at vehicle entrance
- No landscape or signage in SOW at vehicle entrance
- Provide a clear transitional entrance through use of hardscape/landscape at corner entrance. Landscape shall use native species which include: (49) each of Pink Muhly, White Cloud, Mexican Feather, Anise, Burning Bush, Black Knight, Forsythia, Fragrant Tea Olive, Hydrangea, Loropetalum, Knockout Rose, Nine Bark. Includes pinestraw

2.10 Utilities

- Includes water service to CXT only. **Includes Fulton County 2" Water Sevice fee of $14,731.00 Allowance**
- Includes Sanitary service from Street to CXT only. **Includes Fulton County 4" Sewer Service Fee of $55,689.00 Allowance**
- Includes Power Service to CXT and Site Parking Lighting only

2.11 Emergency Call Box

- Provide (1) Lexan, Yellow, 4G with AT&T Wireless, hardwired power Call Box near Restroom

2.12 Guardrail

- Provide Steel Safety guardrail along existing wall along Kimball Bridge Road

2.13 Clarifications

- Unit prices/contruction tasks contained within the Work Order Proposal (WOP) are for complete and in-place construction which include all labor, equipment and material required to complete the task unless otherwise noted.

- Unit prices/construction tasks include testing, calibration, balancing and the like to ensure proper installation, construction and performance which include and not limited to all compaction and concrete testing as needed.
    - Use of Owner supplied materials, equipment and/or tying into existing equipment/systems may justify testing, balancing, etc.

2.14 Exclusions

- Trash Receptacles
- Dog Waste Stations
- Bike Racks
- Park Signage
- Landscaping beyond what is detailed in Landscaping
- Irrigation System
- Gathering Area/Lawn Area
- Site Walls
- Price does not include Power Co fees for Site Service needs

3. Details that Apply to All Work Areas

3.1 Contractor shall utilize the latest issue of the Sourcewell Specifications for all work.

3.2 Contractor and all of their subcontractors on site will adhere to the security requirements of the campus including background checks and orientation classes

3.3 Contractor and subcontractors will at all times wear shirts identifying the company they are employed with, accompanied by a badge when deemed necessary.

3.4 Contractor shall perform work, schedule deliveries and have access to areas of work during and after normal business hours as agreed upon and coordinated with Owners contact for this project: **Gary Frantz**

3.5 Contractor shall work with administrators to coordinate around scheduling conflicts with the occupation in the building

3.6 Contractor shall be responsible for all safety code compliance pertaining to their portion of work

3.7 Contractor shall maintain clean work areas at all times, remove and dispose of all demolished materials and construction debris, rubbish, and waste material from the property of the Owner on a daily basis unless noted otherwise

3.8 No tobacco or alcohol will be permitted on the property of the Owner or in the vehicles of the contractor or their subcontractors

3.9 No radios are permitted

3.10 All measurements and quantities supplied in this scope of work are approximate in nature and are supplied as a convenience for the contractor. The contractor is responsible for field verification of all measurements and quantities.

3.11 Contractor shall verify all new and existing conditions and dimensions at job site.

3.12 Parking and staging areas will be made available for the Contractor by the Owner and will be coordinated with the Owner prior to beginning work.

3.13 Contractor is responsible for protection of all surfaces including those not in the scope of work from construction dust, debris or damage during construction up until final acceptance. The methods of protection including plastic, paper, sealing doors or windows, etc.

3.14 Contractor shall install and maintain 48" orange safety fencing around all staging areas or temporary facilities

3.15 Contractor shall not be required to pay Davis Bacon wage rates

4. Warranty

4.1 The Contractor shall provide all extended manufacturers warranties to the owner prior to project closeout.

4.2 All documents necessary, will be addressed to the appropriate Owner Representative for energy rebates when applicable.

5. Permitting:

5.1 At the time of issuance of a Purchase Order for this work, it is understood that the Contractor will be responsible for obtaining applicable permits and the Owner will be responsible for compensating the Contractor for permit fees and any design necessary to obtain such permits or related approvals as described in the EZIQC master contract documents (i.e. permit fees are dollar for dollar reimbursable and professional design and engineering fees are paid for at hourly rates published in the Construction Task Catalog). However, the proposed project value will not be exceeded due to additional fees not initially captured based on the understanding of site/project conditions. Contractor has included allowances of **$14,731.00 for the Fulton County Water Sevice Fee and $55,689.00 for the Fulton County 4" Sewer Service Fee.**

6. Submittals

6.1 The Contractor shall submit for approval the manufacturer's cut sheets for materials and equipment utilized for this project prior to commencing any work.

6.2 All finishes and other standard submittals are to be provided to the Owner prior to installation by the contractor.

7. Project Schedule

7.1 Majority of work shall be completed during normal working hours 8:00 am – 5:00 pm Monday thru Friday. After hours and weekends when needed will be coordinated with the Owner at no additional cost. Total project construction duration is expected to be **180 days (6 months)** that starts upon mobilization onsite after Permit Plans have been approved and Permit received from City of Alpharetta, Fulton County, and any other entities required.

8. Clarifications

8.1 The following items are specifically excluded by Contractor and are not part of this agreement. If at any time during work a hazardous material or unknown condition is uncovered, work will cease until the appropriate scope of work is agreed upon and executed as a supplemental work order package or remedied by the Owner:

8.1.1 Any item not included in the specifications or contract.
8.1.2 Hazardous materials not in this scope of work

9. Owner Responsibilities

9.1 Coordinate any State/Local Fire Marshal approvals as necessary.

9.2 Provide access to the worksite during scheduled working hours.

9.3 Provide a staging area for project related materials.

9.4 Owner shall be responsible for re-routing employee and student traffic as necessary

EXHIBIT C

FORMS

Contractor E-Verify Affidavit

AFFIDAVIT VERIFYING CONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of the **City of Alpharetta (GA)** has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. § 13-10-91(b).

Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization (E-Verify) User Identification Number

_____
Date of Authorization

_____
Name of Contractor

_____
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, _____, 20____ in _____ (city), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

Subscribed and Sworn Before Me On This The _____ Day of _____, 20____.

_____
Notary Public

My Commission Expires: _____

CITY OF ALPHARETTA 2 PARK PLAZA ALPHARETTA, GA 30009 WWW.ALPHARETTA.GA.US 678.297.6000

Subcontractor E-Verify Affidavit

AFFIDAVIT VERIFYING SUBCONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract with _____ (contractor) on behalf of the **City of Alpharetta (GA)** has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the subcontractor with the information required by O.C.G.A. § 13-10-91(b). Additionally, the undersigned subcontractor will forward notice of the receipt of an affidavit from a sub-subcontractor to the contractor within five business days of receipt. If the undersigned subcontractor receives notice that a sub-subcontractor has received an affidavit from any other contracted sub-subcontractor, the undersigned subcontractor must forward, within five (5) business days of receipt, a copy of the notice to the contractor.

Subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization (E-Verify) User Identification Number

_____
Date of Authorization

_____
Name of Subcontractor

_____
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, ____, 201__ in _____ (city), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE ____ DAY OF _____, 201__.

_____ _____
NOTARY PUBLIC My Commission Expires

Sub-subcontractor E-Verify Affidavit

THE CITY OF ALPHARETTA GEORGIA

AFFIDAVIT VERIFYING SUB-SUBCONTRACTOR PARTICIPATION IN FEDERAL WORK AUTHORIZATION PROGRAM

By executing this affidavit, the undersigned sub-subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract for _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract) and _____ (contractor) on behalf of the **City of Alpharetta (GA)** has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned sub-subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned sub-subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the sub-subcontractor with the information required by O.C.G.A. § 13-10-91(b). The undersigned sub-subcontractor shall submit, at the time of such contract, this affidavit to _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract). Additionally, the undersigned sub-subcontractor will forward notice of receipt of any affidavit from a sub-subcontractor to _____ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract.

Sub-subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

_____
Federal Work Authorization (E-Verify) User Identification Number

_____
Date of Authorization

_____
Name of Sub-subcontractor

_____
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____, ____, 201__ in _____ (city), _____ (state).

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME ON THIS THE ____ DAY OF _____, 201__.

_____ _____
NOTARY PUBLIC My Commission Expires

Subcontractor Participation List

To: City of Alpharetta, Georgia

From: [Contractor/Consultant Name]

Re: Waters Road Pocket Park Design-Build - Work Order 107018; Sourcewell Indefinite Quantity Construction Contract with Contractor (GA-ST02-040820-PCI); and Participation Agreement between Contractor and the State of Georgia Department of Administrative Services (99999-SPD-520200901-00015).

Date: [Date of Accompanying Invoice]

Is the accompanying invoice the final invoice for this project? _____ Yes _____ No

Select one of the following:

_____ No subcontractors providing a service have been utilized on this project.

_____ Below is a list of all subcontractors which have provided a service on this project.

	Subcontractor Name	Scope of Services
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Add additional pages as needed to list all subcontractors.

Final Affidavit

TO: CITY OF ALPHARETTA, GEORGIA

I, _____, hereby certify that all suppliers of materials, equipment and service, Subcontractors, mechanics, and laborers employed by _____ or any of their Subcontractors in connection with the Work of:

> **WATERS ROAD POCKET PARK DESIGN-BUILD,** including, but not limited to, the complete development cycle including design and buildout of park amenities (e.g., parking, play-area, restroom facility, trails, pavilions, and various other park amenities), and related work. The location of the work is 3395 Kimball Bridge Road (generally located at the corner of Kimball Bridge Road and Waters Road - within the City of Alpharetta, Georgia).

in the CITY OF ALPHARETTA have been paid and satisfied in full as of _____, 20___ , and that there are no outstanding obligations or claims of any kind for the payment of which **CITY** on the above-named project might be liable, or subject to, in any lawful proceeding at law or in equity. Schedule of Subcontractor Participation has been completed and made part of this Final Affidavit.

_____
Signature

_____
Title

Personally appeared before me this _____day of_____ , 20___ .

_____, who under oath deposes and says: that they are of the firm of _____; that they have read the above statement; and that to the best of their knowledge and belief same is an exact true statement.

_____
Notary Public

_____
My Commission Expires

100% Performance Bond

BOND # _____

KNOW ALL MEN BY THESE PRESENTS: that, _____, as Principal, hereinafter called **CONTRACTOR**, and _____, a corporation organized and existing under the laws of the State of Georgia, hereinafter called **SURETY**, are held and firmly bound unto CITY OF ALPHARETTA, GEORGIA, as oblige, hereinafter called **CITY** and their successors and assigns, in the penal amount of _____DOLLARS ($_____) for the payment of which the **CONTRACTOR** and **SURETY** bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly be these presents.

WHEREAS CONTRACTOR has by written agreement dated _____, 20____ , entered into a written construction contract, hereinafter referred to as the **CONTRACT,** with **CITY** for:

> **WATERS ROAD POCKET PARK DESIGN-BUILD** project, including, but not limited to, the complete development cycle including design and buildout of park amenities (e.g., parking, play-area, restroom facility, trails, pavilions, and various other park amenities), and related work. The location of the work is 3395 Kimball Bridge Road (generally located at the corner of Kimball Bridge Road and Waters Road - within the City of Alpharetta, Georgia), more particularly described in the **CONTRACT** (hereafter called the **PROJECT**),

in accordance with drawings and specifications prepared by **CITY**, which **CONTRACT** is by reference made a part hereof.

NOW, THEREFORE, the conditions of this obligation is such that, if **CONTRACTOR** must fully and completely perform all the undertakings, covenants, terms, conditions, warranties and guarantees contained in said **CONTRACT**, including all modifications, amendments, changes, deletions, additions and alterations thereto that may hereafter be made, then this obligation will be null and void, otherwise it will remain in full force and effect.

Whenever **CONTRACTOR** is, and declared by **CITY** to be in default under the **CONTRACT**, the **CITY** having performed **CITY**'s obligation thereunder, the **SURETY** will promptly remedy the default promptly as follows:

1. Complete the **CONTRACT** in accordance with its terms and conditions; or,
2. Obtain a bid or bids for completing the **CONTRACT** in accordance with its terms and conditions, and upon determination by **SURETY** and the **CITY** of the lowest responsible bidder, arrange for a contract between such Bidder and the **CITY**, and make available as **PROJECT** progresses (even though there should be a default or a succession of defaults under the **CONTRACT** or Contract of Completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the **SURETY** may be liable hereunder, the penal sum set forth in the first paragraph hereof. The term "Balance of the Contract Price", as used in this paragraph will mean the total amount payable by **CITY** to **CONTRACTOR** under the **CONTRACT** and any amendments hereto, less the amount properly paid by **CITY** to **CONTRACTOR**.

100% Performance Bond

3. Allow the **CITY** to complete the **PROJECT** and reimburse the **CITY** for all reasonable costs incurred in completing the **PROJECT.**

The **SURETY** hereby waives notice of any and all modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and any other amendments in or about the **CONTRACT**, and agrees that the obligations undertaken by this bond will not be impaired in any manner by reason of any such modifications, omissions, additions, changes, alterations, extensions of time, change in payment terms, and amendments.

The **SURETY** hereby agrees that this bond will be deemed amended automatically and immediately, without formal or separate amendments hereto, upon any amendment to the **CONTRACT**, so as to bind the **CONTRACTOR** and the **SURETY** to the full and faithful performance of the **CONTRACT** as so amended or modified, and so as to increase the penal sum to the adjusted Contract Price of the **CONTRACT**.

No right of action will accrue on this bond to or for the use of any person, entity, or corporation other than the **CITY** and any other obligee named herein, or their executors, administrators, successors, or assigns.

This Bond is intended to comply with O.C.G.A. § 36-91-70 and will be interpreted to comply with the minimum requirements thereof. However, in the event the express language of this bond extends protection to the **CITY** beyond that contemplated by O.C.G.A. § 36-91-70, or any other statutory law applicable to this **PROJECT**, then the additional protection will be enforced in favor of the **CITY**, whether or not such protection is found in the applicable statutes.

No action can be instituted on this bond after one year from the completion of the **CONTRACT** and the acceptance by the **CITY** of the work thereunder.

IN WITNESS WHEREOF the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

Signed and sealed this _____day of_____ , 20___ .

In the presence of:

CONTRACTOR: _____

_____
Witness

By:_____(Seal)

SURETY: _____

_____
Witness

By:_____ (Seal)
Georgia Representative

SURETY Contact Information:

Address: _____

_____

_____

Phone: _____

Email: _____

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

BOND # _____

100% Labor and Material Payment Bond

KNOW ALL MEN BY THESE PRESENTS: that, _____, as Principal, hereinafter called **CONTRACTOR**, and _____, a corporation organized and existing under the laws of the State of Georgia, hereinafter called **SURETY**, are held and firmly bound unto CITY OF ALPHARETTA, GEORGIA, as oblige, hereinafter called **CITY** and their successors and assigns, in the penal amount of _____DOLLARS ($_____) for the payment of which the **CONTRACTOR** and **SURETY** bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly be these presents.

WHEREAS CONTRACTOR has by written agreement dated _____, 20____ , entered into a written construction contract, hereinafter referred to as the **CONTRACT,** with **CITY** for:

> **WATERS ROAD POCKET PARK DESIGN-BUILD** project, including, but not limited to, the complete development cycle including design and buildout of park amenities (e.g., parking, play-area, restroom facility, trails, pavilions, and various other park amenities), and related work. The location of the work is 3395 Kimball Bridge Road (generally located at the corner of Kimball Bridge Road and Waters Road - within the City of Alpharetta, Georgia), more particularly described in the **CONTRACT** (hereafter called the **PROJECT**),

in accordance with drawings and specifications prepared by **CITY**, which **CONTRACT** is by reference made a part hereof.

NOW, THEREFORE, the condition of this obligation is such that if **CONTRACTOR** will promptly make payment to all persons working on or supplying labor or materials under the **CONTRACT**, and any amendments thereto, with regard to labor or materials furnished and used in the **PROJECT**, and with regard to labor or materials furnished but not so used, then tis obligation will be void; but otherwise, it will remain in full force and effect subject, however, to the following conditions:

1. A Claimant will be defined as any subcontractor, person, [arty, partnership, corporation or other entity furnishing labor, services, or materials used, or reasonably required for use, in performance of the **CONTRACT**, without regard to whether such labor, services, or materials were sold, eased, or rented, and without regard to whether such Claimant is or is not in privity of contract with the **CONTRACTOR** or any subcontractor performing work on the **PROJECT**, including, but not limited to, the following labor, services, or materials: water, gas, power, light, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the **CONTRACT**.
2. In the event a Claimant files a claim against the **CITY**, or the property of the **CITY**, and the **CONTRACTOR** fails or refuses to satisfy or discharge it promptly, the **SURETY** will satisfy or discharge the claim promptly upon written notice from the **CITY**, either by bond or as otherwise provided in the **CONTRACT**.
3. The **SURETY** hereby waives notice of any and all modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and any other amendments in or about the **CONTRACT** and agrees that the obligations undertaken by this bond will not be impaired in any manner by reason of any such modifications, omissions, additions, changes, alterations, extensions of time, changes in payment terms, and amendments.

100% Labor and Material Payment Bond

4. The **SURETY** hereby agrees that this Bond will be deemed amended automatically and immediately, without formal or separate amendments hereto, upon any amendment or modification to the **CONTRACT**, so as to bind the **CONTRACTOR** and **SURETY**, jointly and severally, to the full payment of any Claimant under the **CONTRACT**, as amended or modified, provided only that the **SURETY** will not be liable for more than the penal sum of the Bond, as specified in the first paragraph hereof.
5. This Bond is made for the use and benefit of all persons, firms, and corporations who or which may furnish any materials or perform any labor for or on account of the construction to be performed or supplied under the **CONTRACT**, and any amendments thereto, and they and each of them may sue hereon.
6. No action may be maintained on this Bond after one (1) year from the date the last services, labor, or materials were provided under the **CONTRACT** by the Claimant prosecuting said action.
7. This Bond in intended to comply with O.C.G.A. § 36-91-90 and will be interpreted to comply with the minimum requirements thereof. However, in the event the express language of this Bond extends protection to the **CITY** beyond that contemplated by O.C.G.A. § 36-91-90, or any other statutory law applicable to this **PROJECT**, then the additional protection will be enforced in favor of the **CITY**, whether or not such protection is found in the applicable statutes.

Signed and sealed this _____day of_____ , 20___ .

In the presence of:

CONTRACTOR: _____

_____ By:_____ (Seal)
Witness

SURETY: _____

_____ By:_____ (Seal)
Witness Georgia Representative

100% Labor and Material Payment Bond

Surety Contact Information:

Address: _____

_____

_____

Phone: _____

Fax: _____

Email: _____

Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570, as amended) and be authorized to conduct business in the State of Georgia.

EXHIBIT D

ADDITIONAL PAYMENT/RETAINAGE TERMS

A. Defined Terms. Terms used in this Agreement shall have their ordinary meaning, unless otherwise defined below or elsewhere in the Contract Documents.

(i) "Substantial Completion" means when the Work or designated portion thereof is complete in accordance with the Contract Documents so that any remaining Work includes only (1) Minor Items that can be completed or corrected within the following thirty (30) calendar days, (2) Permitted Incomplete Work that will be completed by the date agreed upon by the Parties, and (3) any Warranty Work. Substantial Completion shall require complete operation of all applicable building systems including, but not limited to, mechanical, electrical, plumbing, fire protection, fire alarm, telecom, data, security, elevators, life safety, and accessibility (if any).

(ii) "Minor Item" means a portion or element of the Work that can be totally complete within thirty (30) calendar days.

(iii) "Permitted Incomplete Work" means Work that is incomplete through no fault of the Contractor, as determined by the City in its sole discretion.

(iv) "Final Completion" means when the Work has been completed in accordance with terms and conditions of the Contract Documents.

B. Payment for Work Completed and Costs Incurred. City agrees to pay the Contractor for the Work performed and costs incurred by Contractor upon certification by the Contract Administrator and the City that the Work was actually performed and costs actually incurred in accordance with this Agreement. Payment shall be based on the value of the Work completed, as provided in the Contract Documents, plus the value of materials and equipment suitably stored, insured, and protected at the construction site, and, only if approved in writing by the City (which approval shall be given at the sole discretion of the City), such materials and equipment suitably stored, insured, and protected off site at a location approved by the City in writing, less retainage (as described below). Compensation for Work performed and reimbursement for costs incurred shall be paid to the Contractor upon receipt and approval by the City of invoices setting forth in detail the Work performed and costs incurred, along with all supporting documents required by the Contract Documents or requested by the City to process the invoice. Invoices shall be submitted on a monthly basis, and such invoices shall reflect costs incurred versus costs budgeted. Each invoice shall be accompanied by an Interim Waiver and Release upon Payment (or a Waiver and Release upon final payment in the case of the invoice for final payment) procured by the Contractor from all subcontractors in accordance with O.C.G.A. § 44-14-366. The final invoice shall also be accompanied by the Final Affidavit shown in **Exhibit C** of this Agreement.

The City shall pay the Contractor within thirty (30) calendar days after approval of the invoice by City staff, less any retainage as described in Section D below. No payments will be made for unauthorized work. Payment will be sent to the designated address by U. S. Mail only; payment will not be hand-delivered, though the Contractor may arrange to pick up payments directly from the City or may make written requests for the City to deliver payments to the Contractor by Federal Express delivery at the Contractor's expense.

C. Evaluation of Payment Requests. The Contract Administrator will evaluate the Contractor's applications for payment and will either issue to the City a Certificate for Payment (with a copy of the Contractor's application for payment) for such amount as the Contract Administrator determines is properly due, or notify the Contractor and City in writing of the Contract Administrator's reasons for withholding certification in whole or in part. The Contract Administrator may reject Work that does not conform to the Contract Documents and may withhold a Certificate of Payment in whole or in part, to the extent reasonably necessary to protect the City. When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

Even following a Certificate of Payment, the City shall have the right to refuse payment of any invoice or part thereof that is not properly supported, or where requests for payment for Work or costs are in excess of the actual Work performed or costs incurred, or where the Work product provided is unacceptable or not in conformity with the Contract Documents, as determined by the City in its sole discretion. The City shall pay each such invoice or portion thereof as approved, provided that neither the approval or payment of any such invoice, nor partial or entire use or occupancy of the Project by the City, shall be considered to be evidence of performance by the Contractor to the point indicated by such invoice, or of receipt or acceptance by the City of Work covered by such invoice, where such work is not in accordance with the Contract Documents.

D. Final Payment and Retainage. The City and Contractor shall comply with the provisions of O.C.G.A. § 13-10-80. The Contractor through each invoice may request payment of no more than ninety-five percent (95%) of that portion of the Work completed during the term covered by such invoice. Payment for the remaining five percent (5%) of Work completed and covered by such invoices shall be retained by the City until Substantial Completion. At the discretion of the City and with the written approval of the Contractor, the retainage of each subcontractor may be released separately as the subcontractor completes his or her work.

At Substantial Completion of the Work and as the Contract Administrator determines the Work to be reasonably satisfactory, the City shall, within thirty (30) days after the invoice and other appropriate documentation as may be required by the Contract Documents are provided to the City, pay the retainage to the Contractor. If at that time there are any remaining incomplete Minor Items or Permitted Incomplete Work, an amount equal to 200 percent (200%) of the value of each Minor Item or Permitted Incomplete Work, as determined by the Contract Administrator in its sole discretion, shall be withheld until such item, items or work are completed. The reduced retainage shall be shared by the Contractor and subcontractors as their interests may appear.

The Contractor shall, within ten (10) days from its receipt of retainage from the City, pass through payments to subcontractors and shall reduce each subcontractor's retainage in the same manner as the Contractor's retainage is reduced by the City, provided that the work of the subcontractor is proceeding satisfactorily and the subcontractor has provided or provides such satisfactory reasonable assurances of continued performance and financial responsibility to complete his or her work including any warranty work as the Contractor in his or her reasonable discretion may require, including, but not limited to, a payment and performance bond.

The subcontractor shall, within ten (10) days from the subcontractor's receipt of retainage from the Contractor, pass through payments to lower tier subcontractors and shall reduce each lower tier subcontractor's retainage in the same manner as the subcontractor's retainage is reduced by the Contractor, provided that the work of the lower tier subcontractor is proceeding satisfactorily and the lower tier subcontractor has provided or provides such satisfactory reasonable assurances of continued performance and financial responsibility to complete his or her work including any warranty work as the subcontractor in his or her reasonable discretion may require, including, but not limited to, a payment and performance bond.

Final payment of any retained amounts to the Contractor shall be made after certification by the Contract Administrator that the Work has been satisfactorily completed and is accepted in accordance with the Agreement and Contract Documents.

Neither final payment nor any remaining retainage shall become due until the Contractor submits to the Contract Administrator:

(1) an affidavit (as exemplified in **Exhibit C** of this agreement) that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the City or City property might be responsible or encumbered (less amounts withheld by City) have been paid or otherwise satisfied; and

(2) a certificate evidencing that insurance, required by the Contract Documents to remain in force after final payment, is currently in effect and will not be canceled or allowed to expire until at least thirty (30) calendar days prior written notice has been given to the City; and

(3) a written statement that the Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents; and

(4) consent of surety, if any, to final payment; and

(5) a release or waiver of liens, claims, security interests, and encumbrances by all subcontractors and material suppliers; and

(6) if required by the City, other data establishing payment or satisfaction of

obligations, such as receipts, to the extent and in such form as may be designated by the City. If a subcontractor or material supplier refuses to furnish a release or waiver as required by the City, the Contractor may furnish a bond satisfactory to the City to indemnify the City against such lien. If such lien remains unsatisfied after payments are made, the Contractor shall refund to the City all money that the City may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.

Acceptance of final payment by the Contractor, a subcontractor or material supplier shall constitute a waiver of claims by that payee, except those claims previously made in writing and identified by that payee as unsettled at the time of final application for payment.

STAFF REPORT

Submitting Department: Information Technology
Submitted By: Randy Bundy
Sponsored By:
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: CONTRACT AWARD: AT&T NETWORK INTEGRATION CHANGE ORDER REQUEST FOR AT&T NETWORK INTEGRATION PRICING SCHEDULE DATED 6/27/2017
CONSIDERATION OF A CONTRACT AWARD TO AT&T TO PROVIDE FOR TELEPHONY MANAGEMENT, MONITORING, AND SERVICE FOR THE CITY OF ALPHARETTA IN THE AMOUNT OF $60,256.20 AND AUTHORIZE THE MAYOR TO EXECUTE ALL NECESSARY DOCUMENTS.

II. RECOMMENDATION:

Award AT&T as vendor to provide for telephony management, monitoring, and service for the City of Alpharetta in the amount of $60,256.20 and authorize the Mayor to execute all necessary documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: YES
FISCAL IMPACT: YES
INCLUDED IN CURRENT FY CPTL BUDGET: NO
INCLUDED IN CURRENT FY OPRT. BUDGET: YES
TOTAL PROJECT COST: $60,256.20
APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
IT Professional Services (Object: 523900)	$60,256.20

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
N/A	$0.00

IV. REPORT IN BRIEF:

As approved in the FY 2023 budget, this contract provides for the telephony management, monitoring, and support services for the City of Alpharetta. This will provide greater reliability, greater efficiency for the use of the Voice Over IP (VOIP) telephony network services and support for individual employees of the City.

This is procured via the existing AT&T telephony services contract. There is no alternative for FY2023 as this is under an existing AT&T Contract through June 2023.

V. ALTERNATIVES:

No alternative for FY2023 as this is under an existing AT&T Contract through June 2023.

VI. ATTACHMENTS:

ATT GLS Agreement FY23, ATT-GLS Telephony Monitoring 2022 Renewal

AT&T Network Integration
Change Order Request

Master Agreement No.: 201112020092UA
AT&T Network Integration Tracking ID: GBS252014-5
Document Version #:07/29/2022

CUSTOMER Legal Name ("Customer")	**AT&T Corp. ("AT&T") (designate other entity if signing entity other than AT&T Corp)**	**AT&T Branch Sales Contact Name**
City of Alpharetta	AT&T	Leslie Daniels
CUSTOMER Address	**AT&T Corp. Address and Contact**	**AT&T Branch Sales Contact Information**
Street Address: 2 Park Plaza City: Alpharetta State / Province: GA Country: USA Domestic / Intl / Zip Code:30009-3680	One AT&T Way Bedminster NJ 07921-0752 Contact: Master Agreement Support Team Email : mast@att.com	Address: 200 W MLK - Suite 1202 City: Chattanooga State : TN Country: United States Zip Code: 37402 Fax: Email: ld9107@att.com Sales/Branch Mgr: Frank Powers SCVP Name: Dan Sission
CUSTOMER Contact	**AT&T Address and Contact**	**AT&T NI Contact Information**
Name: Erik Wideman Title: Network Manager Telephone: (678) 297-6243 Email: ewideman@alpharetta.ga.us	Name: Title: Telephone: Street Address: City: State / Province: Country: Domestic / Intl / Zip Code:	Name: Pete Moynahan Address: 2180 Lake Blvd. City: Atlanta State / Province: GA Country: USA Domestic / Intl / Zip Code:30319 Telephone: 404-242-2042 Email: pm318k@att.com
CUSTOMER Billing Address		
Street Address: 2 Park Plaza City: Alpharetta State / Province: GA Country: USA Domestic / Intl / Zip Code:30009-3680		

This AT&T Network Integration Services Change Order Request ("Change Request") is an attachment to the AT&T Network Integration **Pricing Schedule** Tracking ID 252014 dated **6/27/2017.**

To the extent any terms set forth in this Change Request conflict with those of the document indicated in the preceding paragraph, or those of a the Statement of Work, the order of priority shall be with respect to the AT&T Network Integration Services provided hereunder: (1) this Change Request; (2) the Statement of Work; (3) the applicable document indicated in the previous paragraph.

AGREED:
CUSTOMER: City of Alpharetta

By:_____
(Authorized Agent or Representative)

Jim Gilvin

Mayor

Date_____

AGREED:
AT&T

By:_____
(Authorized Agent or Representative)

(Typed or Printed Name)

(Title)

(Date)

Approved as to Content:

_____
Randy Bundy, Director of Information Technology

Approved as to form and legal sufficiency:
JARRARD & DAVIS, LLP

_____
Molly N. Esswein, City Attorney

ATTUID: pm318k

AT&T CHANGE ORDER REQUEST FORM

Change Request Number: __5__			
AT&T Requestor:	Pete Moynahan	**NI Tracking #:**	GBS252014-5
Title:	Integrated Solutions Engagement Manager	**Date of Request:**	7/29/2022

Nature of the Change Request:

(Please list specific details explaining the Change):

This change order is to extend the Cisco IP Telephony Management Services for one year.

AT&T reserves the right to withdraw this Change Order or modify the prices and any other terms and conditions, including, but not limited to, any section of this Change Order, if this Change Order is not signed by Customer and AT&T by October 1, 2022.

Change Priority: High

Attached Materials: (list of additional documents required for other sources – i.e. engineering drawings, equipment order list, etc)

N/A

Impact of Change on the Project :

This Change Order will extend the Contract one (1) year – July 1, 2022 through June 30th, 2023, per section 2.3 of the original contract.

Monthly Recurring Charges			
Management and Monitoring Service Charges, per device	Quantity	Unit Price	Extended
COA Presence	1	$512.00	$512.00
COA Call Manager	1	$512.00	$512.00
COA Subscriber	1	$512.00	$512.00
Call Manager	2	$512.00	$1,024.00
Cisco 2901 "Remote" Router	1	$23.40	$23.40
Cisco 3560 Layer 3 Switch	3	$32.00	$96.00
Cisco 3925 "Remote" Router	1	$23.40	$23.40
Cisco 6509 L2 Functionality Switch	1	$113.50	$113.50
Cisco ISR 4321 "Remote" Router	13	$23.40	$304.20
Cisco ISR 4331 "Remote" Router	1	$23.40	$23.40
Cisco ISR 4431 "Remote" Router	1	$23.40	$23.40
Voice Gateway VG310	5	$15.50	$77.50
VoIP Feature Uplift	4	$15.50	$62.00
Seat Charge Per IPT User	647	$2.65	$1,714.55
Seat Charge Per IPT User, beyond the 647 Users included		$2.65	
Total Estimated Monthly Recurring Charges:			**$5,021.35**

Notes or Additional Information:
All other terms and conditions from the original Pricing Schedule still apply.

at&t

Pricing Schedule

AT&T Network Integration Services and Equipment Resale

201112020092UA

GBS252014

Agreement No.: 201112020092UA
AT&T Network Integration Tracking ID: ~~eGBS252014~~
Document Version Date #:June 6th, 2017

CUSTOMER Legal Name ("Customer")	**AT&T Corp. ("AT&T") (designate other entity if signing entity other than AT&T Corp)**	**AT&T Branch Sales Contact Name**
City of Alpharetta	AT&T	Stephanie Boyd
CUSTOMER Address	**AT&T Corp. Address and Contact**	**AT&T Branch Sales Contact Information**
Street Address: 2 Park Plaza City: Alpharetta State / Province: GA Country: USA Domestic / Intl / Zip Code:30009-1936	One AT&T Way Bedminster NJ 07921-0752 Contact: Master Agreement Support Team Email : mast@att.com	Address: 2180 Lake Blvd. Suite 8 City: Atlanta State : Georgia Country: United States Zip Code: 30319 Fax: Email: sb6445@att.com Sales/Branch Mgr: Jeannie Gustafson SCVP Name: John Stuhrenberg
CUSTOMER Contact	**AT&T Address and Contact**	**AT&T NI Contact Information**
Name: Larry Price Title: IT Project Manager Telephone: 678-297-6025 Fax: 678-297-6031 Email: lprice@alpharetta.ga.us	Name: Title: Telephone: Street Address: City: State / Province: Country: Domestic / Intl / Zip Code:	Name: Tracy Lee Fitzgarrald Address: 2180 Lake Blvd. City: Atlanta State / Province: GA Country: USA Domestic / Intl / Zip Code:30319 Telephone: 404-375-0506 Email: tracylee@att.com
CUSTOMER Billing Address		
Street Address: 2 Park Plaza City: Alpharetta State / Province: GA Country: USA Domestic / Intl / Zip Code:30009-1936		

Upon mutual execution hereof, this Pricing Schedule for AT&T Network Integration Equipment Resale ("NI Pricing Schedule") becomes part of the Master Agreement between AT&T and Customer referenced above (the "Agreement"). This NI Pricing Schedule is effective, and incorporated in and made part of the Agreement when signed by both Customer and AT&T ("Effective Date"). Capitalized terms used, but not defined, in this NI Pricing Schedule shall have the meaning given them in the Agreement. In the event of an inconsistency among terms between this NI Pricing Schedule and the Agreement, the terms of this NI Pricing Schedule shall have priority with respect to the Services provided hereunder.

AGREED:
CUSTOMER: City of Alpharetta

By: _____
(Authorized Agent or Representative)

(Typed or Printed Name) David Belle Isle

(Title) Mayor

(Date) 6/20/2017

ATTUID: tf8638

AGREED:
AT&T

By: CMcConnell
(Authorized Agent or Representative)

(Typed or Printed Name) Carla McConnell

(Title) Associate Director

(Date) 27 Jun 2017

dc741d

Approved as to Form:
City Attorney

1. DEFINITIONS

All other capitalized terms used but not defined in this NI Pricing Schedule have the meaning given them in the Agreement.

"**Origination Country**" means a country, specified in a Statement of Work ("SOW") or Equipment Order List ("EOL"), where title to and risk of loss in Purchased Equipment pass from AT&T to Customer.

"Project Country" means a country, specified in a SOW or EOL in which the Customer site is located to which the Purchased Equipment is delivered and where Customer will enjoy the benefit of related Services.

"**Purchased Equipment**" means equipment to which title transfers from AT&T to Customer. Purchased Equipment includes any internal code required to operate such Equipment.

2. SERVICES and PURCHASED EQUIPMENT

This NI Pricing Schedule states the terms and conditions governing Orders for AT&T services ("Services") and Purchased Equipment. Attached to this NI Pricing Schedule is a SOW or an EOL (collectively, "Attachments") which become effective and incorporated into this NI Pricing Schedule upon the execution hereof. AT&T may subcontract work to be performed hereunder but shall retain responsibility for all such work.

3. ATTACHMENTS

A. Unless earlier terminated as described below, an Attachment is deemed terminated when the parties' respective obligations have been fully performed or when it is otherwise terminated according to its terms.

B. In the event of an inconsistency among terms, the order of priority is: (i) the applicable Attachment; (ii) the NI Pricing Schedule and (iii) the Agreement.

4. AFFILIATES

A. Any AT&T Affiliate or Customer Affiliate may sign an NI Pricing Schedule in its own name and such Affiliate contract will be considered a separate, but associated, contract, incorporating the General Terms and Conditions of the Agreement and the terms of the NI Pricing Schedule (with the Affiliate being substituted for AT&T or Customer, as applicable); provided, however, that AT&T and Customer shall be responsible for their respective Affiliates' performance pursuant to such Affiliate contract.

B. For Services performed in, or Purchased Equipment delivered to, a country other than the Origination Country, the AT&T Project-Country Affiliate and Customer Project Country Affiliate identified in the Attachment will perform as outlined therein.

5. INTELLECTUAL PROPERTY RIGHTS

A. All intellectual property and proprietary rights arising by virtue of AT&T's performance of the Services are and will remain the sole and exclusive property of AT&T, and neither ownership nor title to any such property will pass to Customer.

B. Customer shall retain those copies of any reports produced and furnished to Customer by AT&T ("Reports"), and Customer is hereby granted, under AT&T's copyrights, the perpetual, non-exclusive, personal and non-transferable right to reproduce and modify Reports for Customer's own internal business purposes. For avoidance of doubt, "internal business purposes" exclude public distribution, resale to third parties and revenue generation purposes.

C. AT&T hereby grants to Customer the non-exclusive, personal, and non-transferable right to use any items other than Reports produced and furnished to Customer by AT&T under this NI Pricing Schedule, solely for Customer's own internal business purposes during the term of this NI Pricing Schedule, or for such other purposes as may be mutually agreed in writing by the parties.

D. Except as otherwise specified herein, no other right or license to or under any of AT&T's intellectual property rights is either granted or implied under this NI Pricing Schedule.

6. WARRANTY

The provision of Services and any deliverables hereunder shall be performed in a workmanlike manner that would meet commercial industry standards in the field to which the work pertains, as well as any standards set forth in the applicable SOW.

7. NON-SOLICITATION

Customer agrees not to solicit for employment any personnel of AT&T or its subcontractors or agents performing Services hereunder for one (1) year following the termination of this NI Pricing Schedule, or the applicable SOW, without the prior written consent of AT&T.

8. TERM AND TERMINATION

This NI Pricing Schedule shall remain in effect until terminated by either party on not less than thirty (30) days' prior written notice to the other party; *provided that*, the terms and conditions of this NI Pricing Schedule shall continue to govern, through completion of performance (or earlier termination), all Attachments in effect on this NI Pricing Schedule's termination date.

9. INVOICING AND TAXES

A. Attachments specify the charges that Customer shall pay for Services and Purchased Equipment. Invoices for Services are issued monthly. Invoices for Purchased Equipment are issued upon shipment from AT&T's Purchased Equipment supplier. Invoices are payable within thirty (30) days of the invoice date.

B. Invoices for Services will be issued by the AT&T Affiliate in the Project Country. Invoices for Purchased Equipment and maintenance will be issued by the AT&T Origination-Country Affiliate. Except where applicable law requires otherwise, charges will be stated by AT&T and payment shall be made by Customer in the currency of the country from which invoices are rendered. Where the parties agree to invoice and pay in a currency that is different, invoice amounts will be converted at the relevant exchange rate applied by AT&T on the date the invoice is rendered.

C. Taxes are not included in Charges quoted. Tax exemption certificates, valid in the place of delivery, must be presented to AT&T prior to Order (defined below) placement to receive exemption status. If Customer is or was required by law to make any deduction or withholding from any payment due to AT&T hereunder, the gross amount payable by Customer to AT&T will be increased so that, after any such deduction or withholding for taxes, the net amount received by AT&T will not be less than it would have received had no such deduction or withholding been required.

10. PURCHASED EQUIPMENT TERMS

A. Orders for Purchased Equipment shall be submitted by Customer to AT&T in written format and shall contain all information required for AT&T to fulfill such Order and shall contain a reference to this NI Pricing Schedule and the applicable AT&T quote. Any information, terms and/or conditions, or other language contained in any document(s) or purchase order(s) furnished by Customer to AT&T in excess of or outside of such information or in conflict with any terms and conditions contained in this NI Pricing Schedule and/or the applicable Attachment(s) are void. AT&T will notify Customer by email whether it has accepted the Order after validation within five (5) business days after receipt of the Order. AT&T reserves the right not to accept an Order.

B. Customer acknowledges and agrees that AT&T's ability to deliver Purchased Equipment is contingent upon the supply and delivery schedules of each of the manufacturers. AT&T shall have no liability for delays in any delivery schedule. Title and risk of loss to Purchased Equipment shall pass to Customer upon shipment from AT&T's Purchased Equipment supplier; Customer is responsible for all shipping-related charges, which AT&T shall invoice to Customer at two percent (2%) of the total purchase price of the Order or actual cost, whichever is greater, except that for Orders requiring expedited shipment will be four (4%) percent of Customer's total purchase price or actual cost, whichever is greater and charges incurred, if any, for storage of Purchased Equipment following delivery to the agreed location are the sole responsibility of Customer and are not included in shipping charges.

C. AT&T shall pass through to Customer any warranties for Purchased Equipment and third party software available from the manufacturer or licensor. The manufacturer or licensor, and not AT&T, is responsible for any such warranty terms and commitments. ALL SOFTWARE AND PURCHASED EQUIPMENT IS OTHERWISE PROVIDED TO CUSTOMER ON AN "AS IS" BASIS.

D. Customer shall import, export or otherwise distribute Purchased Equipment in strict compliance with export, import, and re-export control laws and regulations of the United States, any Origination Country, and any Project Country. Customer represents and warrants that, when and where required by applicable law, it shall obtain all licenses, permits, and approvals required by Project-Country law for the importation and use of dual-use technology, including cryptography, and is compliant with all other measures imposed by said applicable law. Customer represents and warrants that once received, Customer will not re-export the Purchased Equipment from the Project Country. To avoid ambiguity, "compliance" includes the record-keeping and reporting obligations. Purchased Equipment defined by and described in Council Regulation (EC) 1334/2000 (as amended) as "dual-use," and which Customer intends to export from the European Community regulation, is governed by the following statement: Export of these items from the European Community may require prior government authorization under Council Regulation (EC) Regulation 1334/2000 (as amended).

11. LICENSES AND THIRD PARTY MAINTENANCE

Purchased Equipment, software and maintenance services, if any, resold to Customer hereunder may have additional license terms and/or other requirements or restrictions imposed by the manufacturer, supplier or publisher. Customer is solely responsible for ensuring its adherence to any and all such license terms and other requirements or restrictions and is deemed to accept them upon receipt of the Purchased Equipment or software, or upon commencement of the maintenance services, as applicable in connection with the use of the Purchased Equipment by Customer in the country of use. "Services" as defined in the Agreement shall not include any manufacturer's maintenance, whether or not AT&T facilitates such purchase or bills such services as agent for the third party.

12. LIMITATION OF LIABILITY

For purposes of this NI Pricing Schedule and Orders placed under it, any limit or cap on liability contained in the "Limitations of Liability" article of the Agreement is superseded by the following: EACH PARTY'S LIABILITY UNDER THIS NI PRICING SCHEDULE SHALL BE LIMITED TO PROVEN DIRECT DAMAGES NOT TO EXCEED PER

CLAIM (OR, IN THE AGGREGATE, ALL CLAIMS ARISING DURING ANY TWELVE-MONTH PERIOD) THE NET PURCHASE PRICE PAID BY CUSTOMER FOR SERVICES AND/OR PURCHASED EQUIPMENT UNDER THE ORDER THAT GAVE RISE TO THE LIABILITY. This shall not limit Customer's responsibility for the payment of all charges properly due under the NI Pricing Schedule. AT&T shall have no duty to defend, indemnify and hold Customer harmless for and against damages or costs incurred by Customer arising from the infringement of patents or trademarks or the violation of copyrights by Purchased Equipment.

13. EXPORT SERVICES

If the applicable Attachment so requires, AT&T will facilitate the shipment of Purchased Equipment from an AT&T facility in the U.S.A. to Customer sites in Project Countries (collectively, "Export Services"). Export Services are subject to the following:

A. Export Services are conditioned upon Customer **(1)** identifying to AT&T the authorized person who, in writing and on Customer's behalf, will provide to AT&T the correct name, address, and contact information for the ultimate consignee authorized to receive the Purchased Equipment at each location; **(2)** providing all other information requested by AT&T to facilitate the export of Purchased Equipment, including a completed commercial invoice; **(3)** informing AT&T any time the sale price of the Purchased Equipment from AT&T to Customer differs from the transfer price between Customer and its Project Country Affiliate; **(4)** providing all documents reasonably requested by AT&T from time to time, such as powers of attorney and agency agreements necessary for AT&T to act on Customer's behalf; **(5)** assuming responsibility for all aspects of importing the Purchased Equipment including, but not limited to, the payment of customs duties, compliance with import laws and regulations, and the obtaining of required licenses to import into, and use, the Purchased Equipment in that country; and **(6)** identifying the broker or other party responsible for importing the Purchased Equipment, and the person to be contacted when the Purchased Equipment is ready for export.

B. AT&T DISCLAIMS ALL LIABILITY FOR:

(1) delayed, errant, or failed Purchased-Equipment shipments caused by incorrect ultimate-consignee information provided to AT&T, or Customer's failure to pay freight forwarder invoices;
(2) delays or failures to ship caused by AT&T's compliance with U.S. export controls;
(3) damages arising out of or relating to incorrect ultimate-designee and/or Purchased Equipment end-use information that Customer provides to AT&T, and which AT&T provides to U.S. authorities in connection with its U.S. export-control compliance, and/or to the authorities of the Project Country;
(4) importation of Purchased Equipment into the Project Country, including, but not limited to, the payment of Customs duties, compliance with import laws and regulations, and the obtaining of required licenses to import into, and use, the Purchased Equipment in that country;
(5) delays or delivery failures caused by, or fees incurred on account of, Customer's compliance with import laws and regulations of the Project Country; and
(6) Customer's re-export of Purchased Equipment from the Project Country.

14. CISCO WARRANTY; LICENSE; RMA PROCEDURES.

For Purchased Equipment manufactured by Cisco, Customer is deemed to accept the below-referenced software license, warranty and RMA process upon receipt of the Purchased Equipment: *http://www.att.com/cpe/docs/software_license.doc* Additionally, the applicable warranty passed through hereunder with respect to such Purchased Equipment is included in the Equipment package; a sample of the Cisco limited warranty passed through hereunder can be reviewed at: http://www.cisco.com/go/warranty. The terms and conditions applicable to the Cisco RMA process can be reviewed at http://www.att.com/cpe/docs/return_material_authorization.doc.

15. CISCO SMARTnet™

Cisco SMARTnet™ provided hereunder is provided directly to Customer by Cisco pursuant to the terms of the Cisco End User Support Agreement ("EUSA") reprinted at http://www.cisco.com/legal/cbr.html. The EUSA is a separate agreement between Cisco and Customer and Customer is solely responsible for compliance with its terms and conditions. By Customer assenting to the terms and conditions of this NI SOA, Customer is also bound to the terms and conditions of EUSA, as if the terms and conditions of the EUSA were fully set forth herein. AT&T will invoice Customer for the charges associated with SMARTnet™ purchased hereunder. Cisco is solely responsible for the provision of the SMARTnet™ maintenance and Customer releases AT&T from any loss, damages or other claims relating to the SMARTnet™ maintenance. Further Cisco service descriptions and terms and conditions can be found at www.cisco.com/go/servicedescriptions

EXHIBIT 1: STATEMENT OF WORK

1. Introduction

This SOW between **AT&T Corp.** ("AT&T") and **City of Alpharetta** ("Customer") is attached to the NI Pricing Schedule and made a part thereof upon execution.

AT&T reserves the right to withdraw this SOW or modify the prices and any other terms and conditions, including, but not limited to, any section of this SOW (i) if the SOW is not signed by Customer and AT&T by July 31st, 2017 and/or (ii) the engagement does not commence within thirty (30) calendar days of the Effective Date.

2. Scope of Work

2.1 Services

AT&T is providing this Statement of Work to the City of Alpharetta for the proactive monitoring and management services ("Managed Services") outlined herein to the devices as detailed in the Project Deliverables, Schedule and Fee Section. Additional deployment services are detailed within this document for the benefit of future project/site additions.

Managed Services include the following:

Project Management

Management and Monitoring Service for Cisco Call Managers, Routers & Voice Gateways:

(a) 24x7 proactive management of CPE (Customer Premises Equipment)
(b) 24x7 break/fix management and remediation support
(c) Patch management
(d) Escalation of configuration related repairs and maintenance
(e) Up/Down status and notification
(f) Service level monitoring and notification
(g) Develop guidelines to add users/phones and voicemail to the clusters
(h) Provide and monitor health statistics
(i) Webportal access via U.Connect
- Asset management
- Trouble ticket events
- Network status view
- Bandwidth & CPE utilization
- Special reports (Date range searches for tickets, network availability, site history, types of outages, and chronic issues)

Tier II Support Services for Cisco Call Managers, Routers:

(a) Tier II (advanced) configuration management
(b) Periodic configuration & system backup (requires available hardware on customer premises for Cisco Call Manager System and Cisco Routers)
(c) Leverage TAC (Technical Assistance Center) for Tier II & III remediation support, Cisco SmartNet is required for managed services
(d) Call Manager specific Tier II support services
- Collect and notify on metrics VoIP performance metrics including:
  - MOS
  - Jitter
  - Network latency
  - Packet loss
- Adding/Deleting gateway services (billable)
- Adding/Deleting call queue's (billable)
- Adding/Deleting dial peers (billable)
- Auto attendant reconfigurations (complex are billable)
- Adding new features

Optional Installation Services:

(a) Managed service planning session
(b) Equipment staging and configuration
(c) Installation and deployment

2.2 Purchased Equipment:

Upon execution hereof, Customer shall purchase the Purchased Equipment listed in **Appendix A** ("Purchased Equipment List") if required.

2.3 SOW Term

This SOW shall have a term of thirty-six (36) months ("Term") with two (2) consecutive renewals at the same rate. The Project will commence immediately after Effective Date of this SOW.

3. AT&T Responsibilities

AT&T will be responsible for executing the following activities. Activities not expressly included in this SOW are outside the scope.

3.1 Project Management

Project Management is provided for Optional Installation Services or Project Based MACD (Move, Add, Change, Delete) work requested. The AT&T Project Manager shall be the primary interface with the Customer Project Manager and the AT&T Network Management Team.

AT&T Project Management responsibilities include:

(a) Serve as the primary interface to the Customer organization and the AT&T Network Management Team.
(b) Coordinating the schedules with the Customer and with the AT&T Network Management Team. The AT&T is responsible for building a Project Timeline, and drafting and submitting the installation schedules to the Customer via hardcopy or electronic format. Customer and AT&T will mutually agree to the Project Timeline.
(c) Functioning as the single point of contact for escalation issues that may arise with the Customer. If the issue(s) cannot be resolved with the Customer, then it is the AT&T's responsibility to bring the issue to the AT&T Network Management Team for resolution.
(d) Participating in, and sometimes leading, status meetings regarding the project. The audience for such status meetings may be either the AT&T Network Management Team, or the Customer as required. The AT&T Network Management Team or the Customer or the AT&T can initiate these meetings.
(e) Provide, at the Customer's or AT&T's written or oral request, status updates as to the progress of the Services provided under this SOW. Updates will be provided via email or telephone conversations.
(f) Implementation of mutually agreed upon processes between Customer and AT&T for the internal management of schedules inherent to the Services provided in this SOW e.g. scheduling of installation dates. Please reference the Change Control Process
(g) Managing Test and Turn-up activity and coordination of transport service vendor(s) and equipment provider(s) associated with equipment and circuit installation.
(h) Develop and maintain an action items and issues list.

3.2 Managed Services

3.2.1 Management, Monitoring and Reporting

AT&T will provide Management, Monitoring, and Reporting Services from a NOC in Charlotte, NC. AT&T will place collector hardware (a AT&T-owned NOC server) at the Customer headquarters. This tool will collect the critical Customer network information that will be passed to the NOC. AT&T will provide the following services for managed devices.

3.2.2 Fault Management

AT&T will proactively monitor Customer's managed device(s) every five (5) minutes, 7x24 via SNMP (Simple Network Management Protocol) Poll, Traps, and/or ICMP Ping. If a managed device fails to respond a series sent every minute, if three (3) consecutive series fail, a trouble event for a down device is generated by the AT&T management systems. AT&T will email Customer designated contact(s) for notification of trouble incident. As network issues are identified, the Customer may specify alternative conditions to adjust object thresholds and other components for identification of fault management incidents. AT&T will work with the Customer and applicable transport service provider to resolve the circuit issues. Adjustments to lower intervals may incur additional charges.

The following SNMP based alarms will be utilized as global service checks for the managed infrastructure based on OEM (Original Equipment Manufacturer) capabilities:

Global		
Object	**Description**	**Threshold**
ICMP/Ping	Validates connectivity to the device. Provides up/down status and extreme latency alarming.	Series of 5 – 16 byte packets every 5 minutes – 3 loss warning, 4 loss critical
Interface Stats	SNMP Poll for monitored individual interfaces for up/down state.	Alarm will generate when monitored interface is down.
Temperature	Monitors internal temperature of the device, if sustained can cause damage to the hardware.	Alarm at 60C/140F Warning & 80C/176F Critical
Fan State	Monitors Internal Cooling Fan Status	Alarm at Fan not operating
CPU	CPU Load Checks to assure the CPU Utilization is not overloaded in a sustained capacity to assure	Alarm at sustained CPU utilization 90% for at least 5 minutes
Memory Utilization	This could indicate a software issue such as a bug in the code causing a memory leak, or a hardware issue.	Alarm 80% Warning, 95% Critical
Routers		
Dynamic Routing Protocol Current State	Monitors BGP state change, relevant to significant changes in network or potential loss of routing within major segments of the network. Will only be suitable on routers running a BGP routing process.	Alarm is generated when the BGP state changes from established to any other value
Dynamic Routing Protocol PreFix Changes	Alarm will generate when a threshold of prefixes have been lost, this equates to the same number of routes being lost out of the BGP routing table.	50% Change
Interface Errors	Monitors Interface Errors on the device. Must be IP interfaces, switch stack port not available.	Alarm at 100 errors Warning, 1000 errors Critical within a 1 hour period

AT&T will perform monitoring services for voice circuits originating or terminating from the primary managed network device. AT&T will utilize SNMP to monitor the D channel for availability on active PRI's (Primary Rate Interface). In the event the D Channel is unavailable, AT&T will open a ticket and follow the fault resolution procedures outlined in the Fault Resolution section below. If additional troubleshooting is required, AT&T will contact the carrier to notify of issue, open a carrier trouble ticket, and engage the customer to troubleshoot without AT&T's required involvement AT&T will contact the carrier to notify of issue. AT&T will close ticket upon trouble resolution.

In the event the D Channel is active and voice services have failed, the customer is responsible for notifying the NOC of the event. AT&T will contact the carrier to notify of issue, open a carrier trouble ticket, and engage the customer resource to troubleshoot without AT&T involvement. Customer will notify AT&T of trouble resolution for ticket closure.

All non PRI based voice interfaces are re-actively supported by the AT&T and is a customer responsibility to make the NOC aware of the trouble. NOC's responsibility is to contact the voice carrier, open a trouble on the customer behalf, provide customer with trouble ticket info, and engage customer.

3.2.3 Fault Resolution

AT&T will isolate/sectionalize and identify as either physical or logical in nature all fault conditions that are determined to be network related. AT&T will generate trouble tickets within ten minutes of alarm notification.

In the event of a hardware issue, AT&T will interface with the Managed Device vendors for engineering support, parts ordering and fault resolution. AT&T will adhere to the Customer maintenance agreements to repair/replace hardware devices. AT&T will provide Customer with periodic status reports during the fault resolution process. AT&T will track the issue through resolution including requesting appropriate vendor dispatches.

In the event of a circuit related fault issue, AT&T will proactively start a Management Services trouble ticket to initiate the resolution process of circuit related matters. AT&T will also open trouble tickets for circuits being monitored and managed with the appropriate Transport Service Vendor. AT&T will provide Customer with periodic status reports during the fault resolution process.

3.2.4 Trouble Ticketing System Access

Customer will have online access beginning at the start of management of the first device to view all trouble tickets opened by AT&T for all the managed devices for Customer in the Trouble Ticketing Section of the portal ("U.Connect") during the last thirty-six (36) months. U.Connect will be backed up off-site on a regular basis, but not less than once per week.

3.2.5 Performance Graphing (Requires circuit terminating router)

Thirty (30) minute average poll data may be presented in graphical format. The following graphical reports will be made available online via the U.Connect and will be available on a per circuit basis:

(a) Bandwidth utilization by day
(b) Bandwidth utilization by hour
(c) Average utilization by day

3.2.6 Performance Reporting (requires circuit terminating router)

AT&T will poll each managed device via SNMP. These polls shall be performed every five (5) minutes, twenty four (24) hours per day, and seven (7) days per week. The collected poll data will be made available in graphical format ("Performance Reports") and will be accessible online via U.Connect. The data shall be initially stored as five (5) minute average data for a period of twenty four (24) hours. After twenty four (24) hours the data will be stored as thirty (30) minute average data for a period of eight (8) days. After eight (8) days, data will be stored as two (2) hour average data for a period of five (5) weeks. After five (5) weeks, the data will be stored as twenty four (24) hour average data for a period of thirteen (13) months. After thirteen (13) months all Performance Reporting related data will be deleted.

Performance Reports will include daily five (5) minute, weekly thirty (30) minute, monthly two (2) hour and yearly twenty four (24) hour statistics on the following:

(a) Port utilization
(b) Device CPU utilization
(c) Memory utilization

3.2.7 Change Management

AT&T will provide a change request form that will be customized from standard templates to meet the specific needs and requirements of the Customer in this engagement. Customer's requests can be submitted to AT&T via email 24 hours per day and will be acknowledge the same day for requests submitted prior to 12pm Eastern. Requests after 12pm Eastern will be acknowledged before 12pm the next business day. MACD's will be executed within 48 hours of receipt of complete information and is subject to client coordination. AT&T MACD verbiage and execution language and be referenced in sections below for specific details. At acknowledgement, a ticket will be generated notifying AT&T engineers of the requested change. An engineer will complete the change request as defined within the Device Management section defined below. AT&T requires the MACD to come from authorized Customer contacts only. The expectation is that the authorized requestor has processed the change request through a Customer Change Control process including a CAB (Change Advisory Board), technical architect or other process necessary of ensure the submission, if executed as requested, will produce the expected result. AT&T does not warrant the technical assurance of the MACD request from the authorized user. The change will be reviewed for completeness, ensure no obvious detriment to the environment will occur if executed, confirmed for the engineers ability to execute as requested, executed and the requestor will be engaged to confirm the intended result was produced. If the requestor does not respond within 24 hours, the ticket will be automatically closed with a successful result.

3.2.8 Configuration Management

Configurations will be stored after each change performed by an AT&T engineer and will also be retrieved automatically every month.

3.2.9 Device Management

AT&T will perform Customer requested configuration changes ("MACD") necessary for moves, adds, changes and disconnects on each Managed Device for the term of this SOW ("Device Management Services"). Major network re-arrangements, defined as those requiring more than 15 minutes for a NOC engineer to complete and which are not listed below in the Included MACD list below will be chargeable items. These will be considered out of scope and handled via the change control process as defined in this SOW. Upgrading a managed device or replacing a managed device with an equivalent device or a newer version will not change the applicable managed services charge.

3.2.10 Provide Tier II Support Services for the Call Manager Cluster platform.

This support includes;

(a) Configuration Management
(b) Periodic Local Configuration & System Backup (requires available hardware)
(c) Adding/Deleting Gateway Services (Billable)
(d) Adding/Deleting Call Queue's (Billable)
(e) Adding/Deleting Dial Peers (Billable)
(f) Support local customer, equipment, or vendor resources in service or system restoration procedures.
(g) Leverage Vendor TAC for Tier II & III remediation support as needed

3.2.11 Enhanced Call Manager and VoIP Feature Services: (requires Cisco WAN terminating router)

(a) VoIP QoS management
(b) Leverage Cisco IPSLA (Internet protocol service level agreement) for network performance metrics
(c) Non-Intrusive Performance Monitoring
(d) Collect VoIP (Voice over Internet protocol) metrics
- MOS
- Jitter
- Network latency
- Packet loss

(e) Alerts, graphing & reporting – Customer read access to interface
- Diagnose performance degradation of VoIP services
- Alert threshold violation & notification

(f) VoIP infrastructure identification and enhanced monitoring
- Identify network infrastructure that touches VoIP Traffic
- Define customer performance thresholds, alerts, and notifications for VoIP performance requirements

3.2.12 Virtual Instance

Virtual instances are monitored and provided managed services, the same as a standalone server or managed application. The service will support the physical and instances related to the support and administration of IPT systems. Visibility is limited to OEM (Original Equipment Manufacturer) capabilities to provide key performance metrics via SNMP which varies by IOS (Internal operating system), make and model.

3.2.13 IP Handset Reactive Management

Customer will handle all Tier I support for phones operation and triage, if the issue is not resolved after Tier I troubleshooting has been exhausted the customer's Tier I support team may call the NOC for troubleshooting support. AT&T will interface with the Customer's Tier I for server and network side support and remediation. AT&T will also interface with the managed device hardware vendor for engineering support, parts ordering and/or fault resolution. AT&T will adhere to the Customer maintenance agreements to repair/replace hardware devices.

3.2.14 Web Portal Access to Customer resources for:

(a) U.Connect
- Order status
- Asset management
- Trouble tickets
- Bandwidth utilization with Cacti
- Network status
- Customer requests

3.2.15 Customer Managed Infrastructure

At times, AT&T will isolate or have to interact with customer managed infrastructure. AT&T is not responsible for configuration, isolation, and triage or hardware failure but may interactively collaborate and work with customer support resources to isolate a problem. It will be the Customers responsibility to resolve issues associated with customer managed infrastructure.

3.3 Equipment Replacement Services ("ERS")

As part of the managed network services, AT&T will provide Equipment Replacement Services to the Customers routers, Ethernet switches, firewalls and VPN (Virtual Private Network) appliances in the event Equipment has failed and needs to be replaced at a Customer remote Site. AT&T will also provide Equipment Replacement Services upon Customer request. Devices for this equipment replacement segment will be refined to: routers, Ethernet switches, firewalls and VPN appliances. Equipment Replacement Services response objectives are as follows:

(a) AT&T may maintain and manage an adequate inventory of replacement devices located at the AT&T facility in advance of any hardware failure (customer must seed the inventory). AT&T will provide updates to Customer with availability of devices to be used for replacement. Upon notification to Customer by AT&T that inventory supplies are low, the Customer is responsible for authorizing re-stock of said devices.
(b) If the Equipment major malfunction (defined as inoperable) or Customer request to replace Equipment is reported by 3:00pm EDT (Eastern Daylight Time) on a business day, AT&T will ship a configured replacement device taken from inventory using next business day delivery service for arrival to the Customer Site following the reported Equipment malfunction or Customer request. A business day is defined as Monday through Friday.
(c) If the equipment major malfunction or Customer request to replace equipment is reported after 3:00 PM EDT or on a weekend or holiday, AT&T will ship a configured replacement device taken from inventory on the next business day using next business day delivery service.
(d) Existing vendor maintenance agreement such as Cisco SmartNet will be adhered to in order to replace devices pulled from inventory at the facility. Customer is responsible for providing SmartNet information to AT&T.

AT&T's responsibility with respect to the Equipment Replacement Services shall be limited to the Customer remote site equipment connected to the network.

As a standard part of the Equipment Replacement Services, AT&T will configure the replacement device and ship it using next business day delivery service to the Customer site. Once it has arrived at the site, AT&T, via a phone call, will guide local Customer resource(s) in unpacking the box, and connecting the new device to replace malfunctioning equipment. A tele-install technician will be on the phone to walk through the step-by-step process to connect the new device. The only applicable charges in this scenario are the cost of shipping equipment.

Customer Responsibilities for ERS are as follows:

(a) Re-pack malfunctioning equipment and ship back to AT&T inventory facility.
(b) Customer is responsible for all shipping costs
(c) Customer is responsible for seed stock inventory
(d) Assist in associating AT&T with vendor maintenance contract

3.4 Moves, Adds, Changes, Deletes (MACDs)

Minor Moves, Adds, Changes, Deletes (MACD) related to the Routers and Cisco IPT (Internet protocol telephony) configuration is included at no additional cost as a feature of the managed network services provided the following are met.

(a) Scriptable MACD's where the change can be setup and run to a specific number of sites.
(b) Simple individual MACD's from the list of Standard MACD's below, managed by the lifecycle department are included
(c) Setup and confirmation not to exceed 30 minutes

Any MACD to be performed must be scheduled by the customer through a MACD request ticket. WAP's (Wireless Access Point's) are assumed as "lite" and controlled by a central manager, autonomously operating WAP's will required a Change Order for separate pricing. AT&T will respond to Customer's telephoned requests for assistance on a 7x24 hour basis X 365 days.

The following representative MACDs related to CPE configurations are included at no additional cost:

(a) Included Router MACDs
- Change to access control list.
- 1 to 1 NAT
- Adding a VPN tunnel
- Simple changes to existing configurations
- Firewall Rule change
- QOS changes
- SNMP changes
- Adding or changing an existing VLAN configuration
- Adding new Sub Net

(b) Included Call Manager Cluster Administration MACDS
- Adding/Deleting Users
- Adding/Deleting Mailboxes

- Voicemail password resets will be provided on demand
- Adding/Deleting Phone
- Minor configuration changes as agreed to in the configuration management process
- Configuration Management
- Patch Management, mutually agreed upon and when a necessary benefit will be received

(c) Additional Call Manager Cluster Administration MACDs (billable at hourly rates or change order)

- Adding/Deleting Gateway Services
- Adding/Deleting Call Queue's
- Adding/Deleting Dial Peers
- Auto Attendant Changes

Moves at a remote site is limited to the physical move of the same model or actual device from one circuit to another that requires the changing of an IP address range and potentially the rebuild of up to 2 VPN tunnels. Additional charges may apply if other requirements are necessary to complete the move, after approval has been provided through the established changed control process.

Adding or changing to new devices, either different models or functions, other than for replacement of a failed device are subject to installation services and approval through the established changed control process

Adding of remote sites are considered new service and are subject to installation services and approval through the established changed control process

Network redesigns are subject to the installation fees and will use the Change Control Process in section 5. Changes to a host device(s) that creates a requirement for a configuration change in the remote site device(s) is considered a network redesign and additional charges may apply. These requests will be routed through the established change control process before any work transpires.

Any MACD to be performed must be scheduled by the customer through a MACD request ticket. AT&T will respond to Customer's telephoned requests for assistance on a 7x24 hour basis X 365 days.

MACD Hours of Service are:

(a) All non-emergency MACD changes within a client's network will be made during normal business hours (Monday – Friday, 8am-5pm EST). AT&T will acknowledge a MACD request on the same day for those requests received before 12pm EST.
(b) MACD requests received after 12pm will be responded to by the next business day. MACD's will be executed within 48 hours of the initial request, subject to client coordination.
(c) Emergency MACD's will have a best effort made to be addressed within 4 business hours.

3.5 Optional Installation Services

These services are included within this agreement for use with future deployments or cases where the Customer would like the AT&T to assume management and monitoring control of previously deployed assets. Customer must approve future charges but those charges will be in keeping with these processes and pricing model. The two Installation Models are:

3.5.1 Equipment Staging and Configuration (Tele-Installation)

As part of the installation service, AT&T will stage and configure Customer's equipment at AT&T staging facility and ground ship the equipment to Customer's sites. This service includes:

(a) Receipt of equipment from Customer or directly from vendor procuring equipment
(b) Staging, configuration, testing performed at AT&T facility
(c) Equipment shipped to customer premises and local customer contact
(d) Remote engineering turn-up support will be scheduled with Customer point of contact.
(e) Installation procedure will be completed by a remote AT&T engineer and the customer point of contact
(f) Call carrier support to assist in circuit test and turn up, if applicable.
(g) Validate operation from Head End LAN (Local Area Network) interface to remote end LAN interface
(h) Turnover monitoring and management services to NOC (Network Operations Center)

3.5.2 Takeover Service

This installation service is used for existing devices deployed and operational inside the customer network. These devices are considered to be configured properly and do not require additional configuration support at the time of takeover. This deployment method assumes the Customer, AT&T or AT&T's partner is capable of providing all of the necessary data required to assume management control. This data, in detail, will be requested during transition via

AT&T provided data gathering forms. If data is inaccurate or not provided in a timely fashion, delays in Day II incident management may occur. Information available from AT&T or AT&T's partners will be collected directly without a requirement for Customer involvement. This process will have the following functions performed to assume full management control:

(a) Collect logical system information
(b) Collect physical system information
(c) Collect maintenance contract and support information
(d) Acquire Letter of Authorization (LOA) authorizing access to supporting vendors. (i.e. Cisco SMARTnet)
(e) Collect installation and configuration setup documentation
(f) Review support requirements
(g) Document service environment and requirement
(h) Document ticket procedures, management and best practices in AT&T support knowledge database
(i) Define MACD (Move, Add, Change, Delete) interactions
(j) Provide MACD submission documentation
(k) Acquire authorized users/contacts
(l) Change local passwords
(m) Subject remote devices to AT&T TACACS (Terminal Access Controller Access Control System
(n) Confirm log or other security related visibility by other entities is functional
(o) Add AT&T community string if not already in deployment configuration
(p) Confirm configuration and remote access to automated power switch

Following either form of installation, the AT&T shall manage the following Test and Turn-Up functions applicable to each site after the equipment installation.

(a) Confirm that equipment and support has been assumed by AT&T. This marks the point of demarcation and acknowledgement of assumed control within the NOC. Billing for Day II support services will begin at this point.
(b) After successful Installation and Turn-Up of the Site, the AT&T Project Manager shall obtain acceptance by the customer in email.

The AT&T must update the Customer with the Site completion date. Note that payment for Services is based upon Site installation date.

3.6 Deliverables

Event	Deliverables
Engagement Kickoff Meeting	Review Project Timelines and Schedule
Project Status Report	Status reports and meetings will be held as mutually agreed by the parties.
Project Closeout	Final document summarizing the project to Customer Project Manager.

3.7 Service Hours

The Services provided hereunder shall be performed Monday through Friday, 9:00 a.m. to 5:00 p.m., local time, excluding designated AT&T holidays ("Normal Business Hours" or "NBH"), unless otherwise noted herein.

AT&T Designated Holiday	Date Observed
New Year's Day	January 1
Memorial Day	Last Monday in May
Independence Day	July 4
Labor Day	1st Monday in September
Thanksgiving Day	4th Thursday in November
Day after Thanksgiving	4th Friday in November
Christmas Day	December 25

4. Customer Responsibilities

To manage the activities outlined herein on time and within the pricing provided, Customer assigned roles and responsibilities must be fulfilled effectively. Customer will:

(a) Provide identity and contact information for the Customer Project Manager. This is the primary interface for the AT&T Project Manager.
(b) Provide a leased line Internet access Circuit with appropriate bandwidth on which management traffic may be transmitted to/from Customer Legacy Network.
(c) Customer must have an IP (Internet Protocol) routed network using publicly-routable IP addresses or privately-routable IP addresses (RFC 1918) for all Managed Devices. If IP addresses are private then Customer's device connected to AT&T must be capable of performing static Network Address Translation (NAT) for each Managed Device.
(d) Provide to AT&T (and change, if necessary) SNMP community strings.

(e) Activate SNMP polling capability on all Managed Devices.
(f) Provide email addresses of Customer designated contacts for trouble notification.
(g) Provide information necessary for AT&T to monitor and report Managed Device failures. This information includes contact name, telephone number, IP address, street address, and the Site's hours of operation.
(h) Customer is responsible for gaining access for AT&T to Sites that are owned/controlled by third parties
(i) Perform the appropriate Site preparation activities including, but not limited to, power, core drilling, ventilation, proper environmentals as per the Equipment manufacturer's specifications, and the installation of Equipment racks.
(j) Provide an available hub or switch port on downstream LAN for deployed Equipment.
(k) Provide all cabling required for connecting downstream LAN devices to the Equipment.
(l) Provide information that documents the Legacy Network design and configuration if this is an extension to an existing network. Customer must have already devised their IP addressing scheme and is expected to provide in spreadsheet (or similar) format, the IP addresses that correspond to each piece of Equipment installed as part of the Services provided in this SOW.
(m) Provide Customer resources on-site during Equipment Installation and Test and Turn-Up.
(n) Provide a signature sign-off (see Site Acceptance, Appendix B) as concurrence of Site completion for each Site where AT&T has provided Services under this SOW.
(o) Should the Customer install their own in-house wiring, it must meet at a minimum, the specifications for Category-5 cabling. In addition, the cabling will be installed within six (6) feet of Equipment location. Failure to meet these requirements at the time of Equipment Installation will constitute a Customer Not Ready occurrence as in Project Deliverables, Schedule and Fee Section
(p) Project execution will be performed during Normal Business Hours Customer local time for US Domestic Locations and Eastern Standard Time for International Locations. The Customer will be responsible for making access available during this timeframe.
(q) If the Customer has a Legacy Network, it is the Customer's responsibility to update the configurations of those devices and sites that must communicate to the Equipment deployed as part of the Services provided in this SOW to ensure proper connectivity.
(r) Customer will provide AT&T with login and password information to all Legacy Equipment that is related to the Services provided in this SOW, including both basic access and modification access for the remote Site routers and read access only for the host Site routers
(s) Customer is to validate that Legacy Equipment related to Services provided in this SOW, has appropriate IOS levels, sufficient memory and hardware modules to support the new Customer network design requirements.
(t) Unless explicitly defined as part of this SOW, Customer is responsible for:
- Required electrical power supplies, correct power outlets, appropriate UPS protection.
- Necessary cabinets, racks, and/or shelving to install equipment.
- Functional and available cable plant (copper / fiber) at the facility work is being performed at and necessary patch cables.
- Provisioning and verification of required data, voice, Internet, or telephone circuits.
- Coordination with and scheduling of third party vendors AT&T or other suppliers are required to work with.
- Disposal of shipping material related to this SOW (i.e. boxes, packing material, etc).
- Valid data backups prior to work beginning on system infrastructure related projects.

Note: If Customer chooses to provide the Purchased Equipment configurations, AT&T must receive them at least ten (10) business days prior to an agreed Purchased Equipment installation date at Customer Site.

5. Project Governance

5.1 Change Control Process

Either Party must submit change requests to contractual documents in writing via the sample at **Appendix B** to this SOW. The party requesting the change must submit a written request to the other party and the receiving party shall issue a written response within five (5) business days of the receipt of the request, including whether the receiving party accepts or rejects the request and/or any changes to the Terms and Conditions. Once agreed both parties must execute the document in **Appendix B**.

5.2 Engagement Contacts

	Customer	AT&T
Name	Larry Price	Tracy Fitzgarrald
Title	IT Project Manager	Engagement Manager
Address	2 Park Plaza, Alpharetta 30009	2180 Lake Blvd, Atlanta 30319
Contact Information (Phone/Email)	lprice@alpharetta.ga.us 678-297-6025	tf8638@att.com 404-375-0506

6. Fees and Charges

6.1 AT&T shall provide the Services for the Charges stated below.

Monthly Recurring Charges			
Managed Services Charges	**Quantity**	**Unit Price**	**Extended**
Managed Services Charge, per device, Cisco CCX Standalone Server	1	$520.00	$520.00
Managed Services Charge, per instance, VM Instances, CCM, Unity, CCX, Unified Presence, or Berbee	4	$520.00	$2,080.00
Managed Services Charge, per Call Queue	2	$260.00	$520.00
Managed Services Charge, per device, physical server Cisco USC-C210M2	3	$195.00	$585.00
Managed Services Charge, per device (Cisco 4331 ISR Router)	2	$28.75	$57.50
Managed Services Charge, per device (Cisco 4321 ISR Router)	14	$28.75	$402.50
Managed Services Charge, per device (Cisco 3925 ISR Router)	1	$120.00	$120.00
Host- Enhanced Call Manager and VoIP Feature Uplift	1	$52.00	$52.00
Router- Enhanced Call Manager and VoIP Feature Uplift	16	$15.50	$248.00
Managed Services Charge, per device (Cisco VG310)	5	$15.50	$77.50
Seat Charge, per IPT user	380	$2.60	$988.00
Total Estimated Monthly Recurring Charges:			**$5,650.50**

Optional Installation Services:

Non-Recurring Charges	
Any Installations or takeovers scheduled after normal business hours (5pm-8am local time for US Domestic Locations and Eastern Standard Time for International Locations) Monday-Friday or scheduled Saturdays, Sundays and holidays are subject to a 50% uplift in the price below.	
Takeover Services, one time charge, per device:	**Unit Price**
IPT VM Services & Physical Server(s)	$1,750.00
Per end device (small router, voice gateway etc. . .)	$150.00
Tele Installation Fees per device:	
IPT VM Services & Physical Server(s)	$2,750.00
Per end device (small router, voice gateway etc. . .)	$375.00

6.2 Additional Pricing Terms and Conditions

(a) **Defined Scope.** Pricing is based on the currently defined scope. Any additions or changes to this SOW will necessitate changes in pricing. Pricing herein assumes no project delays will occur that would require AT&T to stop work. AT&T will not be held financially responsible for project delays outside of its control.

(b) **Invoicing.** AT&T will invoice the Service Fees beginning July 2017 and as defined by the term herein. AT&T will invoice Services monthly and will cover any one-time charges or expenses incurred during the previous calendar month.

(c) **Travel and related Expenses.** Charges do not include expenses for AT&T travel to Customer's facilities. Standard business expenses (e.g., transportation, food, lodging) incurred by AT&T in connection with delivery of the Services will be billed at cost as a separate line item on Customer's invoice. AT&T personnel will incur travel expenses only after receiving permission from Customer's Project Manager.

(d) **Time and Material ("T&M") Rate.** In the event that the scope of work changes from this SOW or AT&T is requested to perform Services after Normal Business Hours ("aNBH"), then all such out of scope matters will be handled via the Change Control process outlined herein.

7. Engagement Assumptions

This SOW is based on the following assumptions. If any of these assumptions are found to be inaccurate or invalid, AT&T shall provide Customer with the changes to the scope, tasks, deliverables or terms and conditions of this SOW via the Change Control Process described in this SOW.

(a) Customer will provide AT&T with requested information in a timely manner, and takes full responsibility and liability for the accuracy of all information supplied to AT&T by Customer and which AT&T relies upon in its performance hereunder.

(b) Customer will coordinate the project kick-off with the designated AT&T Engagement Manager and confirm all required attendees are present as required.
(c) During this engagement, Customer will provide access to personnel who participated in meetings to resolve questions or issues as they arise.

8. Termination

(a) Customer may not terminate this SOW for any reason other than for uncured AT&T's material breach.
(b) In the event Customer terminates this SOW or any portion hereof for any reason other than AT&T's uncured material breach, Customer shall be responsible to pay for all Services rendered, Purchased Equipment ordered and expenses incurred hereunder as well as any charges associated with early termination of AT&T's subcontracts related to this project.

APPENDIX A: PURCHASED EQUIPMENT ORDER LIST

N/A

APPENDIX B: SAMPLE CHANGE REQUEST FORM

Type of Request:	
Initiator (Company):	
Change Request Received by:	
Price Impact:	
AT&T Additional Resources Req'd:	

Task Description:

Other information related to Change:

Impact of Change
Provide a description of the impact of the change (increase in duration, delay in start, cut-over date change, added dependency, additional resources required change to design, change to baseline solution, other).

AGREED and ACCEPTED:
CUSTOMER:
By:_____
(Authorized Agent or Representative)

(Typed or Printed Name)

(Title)

(Date)

AGREED and ACCEPTED:
AT&T
By:_____
(Authorized Agent or Representative)

(Typed or Printed Name)

(Title)

(Date)

From: Jeff Strickland
To: Rucker, Beth
Subject: RE: ATT-GLS Monitoring
Date: Monday, October 24, 2022 4:25:10 PM
Attachments: image001.png

[CAUTION: This email originated from outside the City. Do not click links or open attachments unless you recognize the sender and know the content is safe.]

Thanks, Beth. That was my only comment … seeking that clarification. Perhaps, if you haven't already, consider adding that information to the staff report?

Jeff

From: Rucker, Beth <BRucker@alpharetta.ga.us>
Sent: Monday, October 24, 2022 4:23 PM
To: Jeff Strickland <jstrickland@jarrard-davis.com>
Subject: RE: ATT-GLS Monitoring

Hi Jeff,

We finally heard back from our contact at AT&T. She stated that the agreement from 2017 is being overridden for pricing. They keep the original language from previous years and the change order shows the new pricing. All prior change orders were for annual pricing since these orders are only renewed for one year at a time.

Thank you,

Beth Rucker
Budget & Procurement Coordinator
City of Alpharetta
Finance Department
2 Park Plaza
City Hall (2nd Floor) | Alpharetta GA, 30009
o: (678) 297-6058 f: (678) 297-6063

From: Jeff Strickland <jstrickland@jarrard-davis.com>
Sent: Monday, October 17, 2022 2:32 PM
To: Rucker, Beth <BRucker@alpharetta.ga.us>
Cc: Alyson Maxwell <amaxwell@jarrard-davis.com>; Molly Esswein <messwein@jarrard-davis.com>

Subject: RE: ATT-GLS Monitoring

[CAUTION: This email originated from outside the City. Do not click links or open attachments unless you recognize the sender and know the content is safe.]

Beth,

I've reviewed the proposed change order. My only comment is the change order doesn't clearly indicate whether the pricing in the underlying 2017 agreement (see 2017 Pricing Schedule, Section 6.1) is being overridden or supplemented. Also, I note this is Change Order no. "5." Were the prior Change Orders all annual pricing updates?

Jeff

Jeffrey M. Strickland
Partner

JARRARD & DAVIS.LLP

Jarrard & Davis, LLP
222 Webb Street
Cumming, GA 30040
Phone: 678-455-7150
Fax: 678-455-7149
Email: jstrickland@jarrard-davis.com
www.Jarrard-Davis.com

CONFIDENTIALITY NOTICE: This e-mail and all attachments transmitted with it may contain legally privileged and confidential information intended solely for the use of addressee. If the reader of this message is not the intended recipient, you are hereby notified that any reading, dissemination, distribution, copying or other use of this message or its attachments is strictly prohibited. If you have received this message in error, please notify the sender immediately by telephone (678-455-7150) or by electronic mail, and delete this message and all copies and backups thereof. Thank you.

From: Rucker, Beth <BRucker@alpharetta.ga.us>
Sent: Monday, October 17, 2022 10:40 AM
To: Molly Esswein <messwein@jarrard-davis.com>
Cc: Mitchell, Shawn <smitchell@alpharetta.ga.us>; Drinkard, James <jdrinkard@alpharetta.ga.us>; Wideman, Erik <EWideman@alpharetta.ga.us>
Subject: ATT-GLS Monitoring

Good Morning Molly,

Please find attached for your review, an order from AT&T for GLS Monitoring for FY23. I have also attached as backup to the order, the original pricing schedule from 2017 that is noted on the order.

Please let me know if any additional information is needed.

Thank you,

Beth Rucker
Budget & Procurement Coordinator
City of Alpharetta
Finance Department
2 Park Plaza
City Hall (2nd Floor) | Alpharetta GA, 30009
o: (678) 297-6058 f: (678) 297-6063

STAFF REPORT

Submitting Department: Information Technology
Submitted By: Randy Bundy
Sponsored By:
Meeting Date: August 15, 2022

I. AGENDA ITEM TITLE: ATT-GLS TELEPHONY MANAGEMENT FY2023 RENEWAL

II. RECOMMENDATION:

Award AT7T as vendor to provide for for telephony management, monitoring, and service for the City of Alpharetta in the amount of $60,256.20 and authorize the Mayor to execute all necessary documents

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: YES

FISCAL IMPACT: YES

INCLUDED IN CURRENT FY CPTL BUDGET: NO

INCLUDED IN CURRENT FY OPRT. BUDGET: YES

TOTAL PROJECT COST: $60,256.20

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
IT Professional Services – Various Deparments	$60,256.20

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
N/A	$0.00

IV. REPORT IN BRIEF:

As approved in the FY 2023 budget, this contract provides for the telephony management, monitoring, and support services for the City of Alpharetta. This will provide greater reliability, greater efficiency for the use of the Voice Over IP (VOIP) telephony network services and support for individual employees for the City.

This is procured via the existing AT&T telephony services contract.

V. ALTERNATIVES:

NONE

VI. ATTACHMENTS:

ATT GLS Agreement FY23

STAFF REPORT

Submitting Department: Recreation, Parks & Cultural Services
Submitted By: Morgan Rodgers
Sponsored By: N/A.
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: MEMORANDUM OF UNDERSTANDING RENEWAL: CITY OF ALPHARETTA & BREWABLE

APPROVAL OF THE 2023 MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF ALPHARETTA AND BREWABLE, INC., AND TO AUTHORIZE THE MAYOR TO EXECUTE ALL NECESSARY DOCUMENTS.

II. RECOMMENDATION:

Approve, as written, the 2023 Memorandum of Understanding between the City of Alpharetta and BrewAble, Inc. for usage of the Alpharetta Community Center for primary operation of the BrewAble coffee house, for the establishment of pop-up coffee kiosks in City facilities and parks during select special events or other activities, and to authorize the mayor to execute all necessary documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: NO FISCAL IMPACT: NO

INCLUDED IN CURRENT FY CPTL BUDGET: NO INCLUDED IN CURRENT FY OPRT. BUDGET: NO

TOTAL PROJECT COST: While there is not a specific fiscal impact for this item, the City will be responsible for maintenance of the facilities and parks within which BrewAble, Inc. may operate. Given that the various facilities and parks will continue to be used primarily for city operations and citizen recreation respectively, such expenses are already factored into the City's annual budget.

As for costs incurred to operate the BrewAble coffee concessions, the MOU states BrewAble, Inc. shall conduct fundraising needed to cover the expenses and that those funds are strictly for BrewAble and not transferrable to the City. In addition, the MOU states the City will not charge rental fees to operate within City facilities and parks.

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT

IV. REPORT IN BRIEF:

BACKGROUND:

The Recreation, Parks, and Cultural Services Department for the City of Alpharetta has always strived to provide exceptional and trending recreational programs for Alpharetta residents. Each year, staff evaluates the success of prior programs and monitors citizen engagement. This annual assessment ensures program offerings are always in demand and of high quality.

One key element of the City's vision for recreational programs and activities is "inclusion". Programs and activities should encompass the various demographics of residents, and Staff works diligently to deliver classes, programs, and events for all ages and abilities. In support of this mission, the City may often collaborate with organizations to enhance a pre-existing and popular program. Such is the case with BrewAble, Inc. and the coffee concessions offered at the Alpharetta Community Center.

BrewAble, Inc. has developed a program that offers fun, creative, vocational training for city residents with intellectual or developmental disabilities. Through an agreement with the City, BrewAble occupies a small space at the Alpharetta Community Center (ACC) to provide coffee concessions for City Staff, residents, and other

visitors who frequent the center. The ACC is one of the City's largest recreational facilities and hosts numerous popular recreational programs and activities, making it an ideal location for the program's exposure and hugely advantageous to its success.

Today, the program has proven to be so effective and supported, that the City wishes to further foster the partnership with BrewAble, Inc. With the MOU up for renewal, the two organizations have conceptualized a way to promote the program's growth and continued success while meeting a need recognized by City staff. The new concept is simple. Brewable will be able to establish pop-up coffee kiosks in other City facilities, such as City Hall, and at parks during select special events. This idea increases the exposure of BrewAble's program, provides staff and residents with hot beverages to kick-start a workday or event, and both organizations' core missions are advanced – offering the highest quality services for citizens.

THE MEMORANDUM OF UNDERSTANDING (2023):
Under the revised MOU attached hereto, the City of Alpharetta will continue to permit BrewAble to operate primarily at the ACC under the same provisions as in the years prior but would extend the agreement from three years to five. Additionally, the City would allow BrewAble coffee concession kiosks at multiple City facilities and at parks during select special events. As in the past, the City will not charge a rental fee for facility usage and BrewAble, Inc. will be solely responsible for securing funding for the program.

V. ALTERNATIVES:

There are two alternatives to this recommendation:

1. To deny approval of the newly modified Memorandum of Understanding and direct staff to proceed with an agreement consistent with those presented in the past.
2. To deny approval of the newly modified Memorandum of Understanding and require cessation of the program at the Alpharetta Community Center.

VI. ATTACHMENTS:

City of Alpharetta - BrewAble MOU (2023-2028)

THE CITY OF
ALPHARETTA
RECREATION, PARKS & CULTURAL SERVICES

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is made and effective this 12th, day of December 2022 (the "Effective Date"), by and between **BrewAble, Inc.**, a Georgia nonprofit corporation, located at 2013 Hidden Alley, Alpharetta, Georgia 30009 ("BrewAble") and the **City of Alpharetta**, a Georgia municipal corporation, located at 2 Park Plaza, Alpharetta, Georgia 30009 ("CoA"). BrewAble and CoA are sometimes referred to in this MOU individually as a "Party" or collectively as the "Parties."

WHEREAS, BrewAble is a not-for-profit corporation exempt from federal taxation and under Section 501(c)(3) of the Internal Revenue Code of 1954, as amended, that promotes involvement in community efforts; and whose mission is to provide meaningful employment and community opportunities for people with intellectual or developmental disabilities ("ID" and "DD") providing them the opportunity to excel as employees in a café setting with community involvement and interaction, and;

WHEREAS, the mission of BrewAble is consistent with the CoA's mission to promote the highest quality services for citizens consistent with the CoA's core values of excellence, stewardship, integrity, service and loyalty, and;

WHEREAS, in providing a facility to promote the operations of BrewAble, the CoA fosters and expands the availability of programs and opportunities for Alpharetta citizens with intellectual or developmental disabilities thereby nurturing the CoA's mission of improving the quality of life for all CoA residents, and;

WHEREAS, the purpose of this MOU is to set-forth the general understanding and conditions under which BrewAble shall inhabit the provided space in the Alpharetta Community Center ("ACC"), a facility owned by the CoA, and;

WHEREAS, the primary function of the ACC of the CoA is as a youth-based, heavily programmed community center located at 175 Roswell Street, Alpharetta, GA 30009, making it an ideal location to facilitate BrewAble operations, and;

NOW, THEREFORE, for and in consideration of the premises above and the promises below, the Parties mutually covenant and agree as follows:

1. PURPOSE.
   1.1. This MOU merely provides a license for BrewAble to operate in the CoA's designated space subject to all terms and conditions of this MOU.
   1.2. BrewAble shall continue to operate vocational training for individuals with ID/DD in the coffee bar for coffee bar patrons and ACC program participants and parents.

2. FACILITY USE & MAINTENANCE.

2.1. This MOU does not create a lease or grant a property interest in any CoA facilities. It does provide a license for BrewAble to operate in one or more CoA-designated spaces, subject to all terms and conditions of this MOU.

2.2. BrewAble shall be responsible for cleanliness and professional presentation of the coffee concession/lobby area/pop-up kiosk, and of BrewAble employees. Additional responsibility will be to keep the concession/lobby area/pop-up kiosk clean and empty the trash during concession operating hours. BrewAble will purchase its own cleaning supplies to include trash bags, mop, bucket, rags, and any additional cleaning supplies. Items must be labeled, and space will be allocated to store items on site at CoA facilities.

2.3. BrewAble agrees to use the facilities in a safe and responsible manner, and in compliance with all applicable federal and state laws and CoA ordinances, rules, and regulations.

2.4. BrewAble shall not cause or permit damage or injury to the facilities. No alteration, addition, or improvement to the facilities shall be made by BrewAble without prior written consent from the CoA. Such alterations, additions, or improvements shall become and remain CoA property.

2.5. The facility shall not be used by BrewAble for any purpose other than those designated within this MOU, without the written consent of the CoA.

2.6. CoA staff may enter any space designated for BrewAble's use at any time for inspection or supervision as deemed necessary.

2.7. CoA staff shall be responsible for cleaning and upkeep of the building and bathrooms, including the lobby/concession area when BrewAble is not operating.

2.8. ALPHARETTA COMMUNITY CENTER

2.8.1. The CoA shall continue to provide the allocated space for the coffee counter and back room in the ACC to include a coffee bar and preparation space for BrewAble to operate a vocational training coffee concession.

2.8.2. The CoA shall maintain decisions over the ACC lobby, with BrewAble's input, to include furniture and placement in the entirety of the lobby to ensure adequate traffic flow to all areas of the facility, the use of the shelves installed nearest the front desk, and approval from the ACC Supervisor for any artwork displayed in designated areas of the lobby. BrewAble, its employees, supporters and boards will respect the primary function to the ACC in all decision making.

2.9. ALPHARETTA CITY HALL

2.9.1. The CoA shall provide an allocated space within City Hall for BrewAble to operate a mobile kiosk to include a coffee bar and preparation space for BrewAble to facilitate daily vocational training coffee concessions.

2.9.2. CoA staff shall coordinate with BrewAble Manager to establish operation hours to be limited to the morning only.

2.9.3. Upon daily completion of coffee concessions, the mobile kiosk is to be stored and not accessible when BrewAble is not operating.

2.9.4. CoA staff shall maintain decisions over the facility to include furniture and artwork placement in the entirety of the lobby and rotunda to ensure adequate traffic flow to all areas of City Hall. BrewAble, its employees, supporters and boards will respect the primary function of City Hall in all decision making.

2.9.5. BrewAble and CoA recognize that the establishment of the mobile kiosk for coffee concessions at City Hall is part of a pilot program and subject to cessation should the program not prove beneficial for either Party.

2.10. SPECIAL EVENTS

2.10.1. Brewable shall be allowed a pop-up kiosk operation in any of the City of Alpharetta facilities and parks when invited for special events, meetings, and any other activities as a partner entity, in line with their mission of providing meaningful employment and community opportunities for people with intellectual or developmental disabilities, providing them the opportunity to excel as employees in a café setting with community involvement and interaction.

2.10.2. BrewAble shall coordinate with CoA staff on hours of BrewAble operations, crowd control plan, special events and challenges that arise. Any event planned by BrewAble must be submitted to CoA staff thirty (30) days in advance for approval.

2.10.3. During approved special events, items for sale may be brought in during the event and removed when the event is completed. The CoA is not responsible for any sale items left in the faciltiy.

2.10.4. CoA staff shall coordinate with BrewAble Manager on changes to hours due to special events, and BrewAble may be asked to provide concessions for faciltiy events and special events held in select buildings.

3. PROVISIONS.

3.1. BrewAble shall primarily serve the patrons of the ACC, Wills Park, and City Hall, and secondarily serve friends and supporters of BrewAble. CoA facilities shall not be advertised by BrewAble as a meeting place for businesses/organizations or as location for the purpose of business meetings.

3.2. BrewAble shall not provide products or services that compete directly with existing vending machine contracts. CoA shall not add additional vending machines/contracts directly competitive to BrewAble products and services.

3.3. The CoA Facility Supervisor, Recreation Services Manager, and BrewAble Manager will regularly confer about successes and challenges to provide the best service and experience to all their constituents.

3.4. BrewAble may not deny service based on race, color, national origin, religion, sex, age, or disability.

3.5. BrewAble shall comply with food preparation and handling guidelines set forth by the Fulton County Health Department.

3.6. BrewAble management staff must use the conference room for any discussions with employees, business, or cashing out the drawer at the beginning or end of the day. BrewAble must provide

its own copier for business purposes. BrewAble staff will not be allowed at the lobby front desk at ACC or City Hall.

3.7. BrewAble shall be managed by a Board of Directors, who delegate authority for day-to-day operations to a Director, who may hire and terminate the BrewAble Manager, and other employees, who shall be hired, managed, paid, and terminated by the BrewAble Director and/or Manager. Such personnel shall not be employees of or have any contract relationship with the CoA, nor shall such personnel be entitled to any benefits of the CoA, including, but not limited to, compensation, pension, health insurance or worker's compensation benefits. The CoA shall not have responsibility for BrewAble's employees.

3.8. The CoA agrees to include BrewAble in CoA publications to help promote the business and its mission to provide employment for people with intellectual or developmental disabilities.

4. RENTAL FEE. No utility or rental fees shall be levied against BrewAble by the CoA.

5. EXPENSES. BrewAble shall conduct all fundraising needed to run their coffee concession vocational training program and shall be financially responsible for all aspects of the coffee concession components at the ACC. BrewAble shall be responsible for its own budget and all funds raised to support the project. The CoA will not have access to any funds raised through the coffee concession, and will not charge rent, fees, or receive commission on concession sales.

6. INDEMNIFICATION. BrewAble agrees to indemnify and hold harmless all officers, trustees, directors, employees, volunteers, and agents of the CoA from and against any and all claims, liabilities, losses and expenses, directly or indirectly, wholly or partially arising from or in connection with any act of omission of BrewAble, or its employees or agents in implementing, operating and fulfilling its obligations hereunder. BrewAble shall maintain adequate insurance to fulfill its indemnity obligations under this MOU.

7. TERM AND TERMINATION. This MOU shall commence on January 1, 2023, and shall remain in effect for five (5) years, unless the CoA or BrewAble elect in writing to extend this MOU for an additional one (1) year. Reasonable notice may be given by either Party to affect a termination or amendment of this MOU, provided that each Party is fulfilling its respective obligations under this MOU. The Parties shall meet annually to review this MOU.

8. MISCELLANOUS.

8.1. Failure of the CoA to insist upon strict performance of any term or condition of this agreement shall not be a waiver of any right or remedy the CoA may have and shall not be a waiver of any subsequent breach of terms or conditions.

8.2. This MOU shall supersede any prior oral or written understanding between the Parties and may not be amended or modified except in writing signed by the Parties. This MOU shall be governed and construed in accordance with the laws of the State of Georgia.

(signature page follows)

IN WITNESS WHEREOF, the Parties support the goals and objectives of this Memorandum and have hereunto executed this Memorandum of Understanding on the day and year first above written.

BREWABLE, INC.

By: _____
Nicky Rudd, President

CITY OF ALPHARETTA, GEORGIA

By: _____
Jim Gilvin, Mayor

APPROVED AS TO CONTENT:

By: _____
Morgan Rodgers, Director
Recreation, Parks & Cultural Services
Department

APPROVED AS TO FORM:

By: _____
Molly Esswein, City Attorney

STAFF REPORT

Submitting Department: Recreation, Parks & Cultural Services
Submitted By: Morgan Rodgers, Amanda Musilli
Sponsored By: N/A.
Meeting Date: December 12, 2022

I. AGENDA ITEM TITLE: RESOLUTION: CITY OF ALPHARETTA COMMUNITY AGRICULTURE PLAN
ADOPTION OF A RESOLUTION TO APPROVE THE CITY OF ALPHARETTA COMMUNITY AGRICULTURE PLAN AND AUTHORIZE THE MAYOR TO EXECUTE ALL NECESSARY DOCUMENTS.

II. RECOMMENDATION:

Adopt, as presented, the resolution for the City of Alpharetta Community Agriculture Plan and authorize the mayor to execute all related documents.

III. BUDGET IMPLICATIONS:

BUDGETED ITEM: YES FISCAL IMPACT: YES

INCLUDED IN CURRENT FY CPTL BUDGET: YES INCLUDED IN CURRENT FY OPRT. BUDGET: NO

Total Project Cost: Food Well Alliance has agreed to provide funding not to exceed $75,000 for the City Agricultural Plan's implementation. The City of Alpharetta, in accordance with an MOU approved by City Council on January 18, 2022, must provide matching fiscal support in the amount of $75,000 towards implementation of the City Agriculture Plan.

APPROPRIATIONS:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
City Agriculture Plan - Capital Expense Account 30161150 541500 / C2248	$75,000

EXTERNAL FUNDING SOURCES:

ACCOUNT TITLE/NUMBER	DOLLAR AMOUNT
City Agriculture Plan - FWA Grant Expense Account 34061150 541500 / C2248	$75,000

IV. REPORT IN BRIEF:

BACKGROUND:
The Food Well Alliance (FWA) and the Atlanta Regional Commission (ARC) both have missions to improve the quality of life for varying communities and recognize the value that a strong local ecosystem brings to the social, economic, and environmental infrastructure of a city.In 2018, FWA launched the City Agriculture Plan program to address major findings of Metro Atlanta's Local Food Baseline Report. In 2019, FWA and the Atlanta Regional Commission (ARC) partnered to develop the region's first plan for the City of East Point, Georgia. The plan was finalized in 2021 and the two organizations began the search for a second city.The City of Alpharetta also came to realize the value of urban agriculture through the continued, successful development of Old Rucker Farm. With the expansion in offerings and explosion of interest in the community farm, the City applied to be considered for the region's second City Agriculture Plan and was ultimately selected from the competing cities in Food Well Alliance's five-county service area.

ALPHARETTA AGRICULTURAL PLAN:
Together, the City of Alpharetta, FWA, and ARC have established a vision and formal plan for the City's agricultural program to ensure the best success and sustainability. The formulation process included connecting with the Alpharetta's growers, residents, and City officials to develop a plan that was not only consensus-based and community-led, but also integrative into the City's overall plans and programs. Under the plan attached hereto, the City Agricultural Plan details the following priorities and respective blueprint for success of the City's program:

A: Supporting Local Growers

Recommendations Include:

1. Facilitating the creation of a Home Growers' Cooperative.
2. Expanding the partnership with the Alpharetta Farmers Market and encouraging enrollment in a program that doubles SNAP/EBT dollars such as Wholesome Wave Georgia.
3. Strengthening volunteer support for community gardens and other programs.
4. Including community garden space at not only Old Rucker Farm and Wills Park, but also Webb Bridge Park, Windward Community Park, Rock Mill Park, and Mid Broadwell Park.
5. Providing workshops, training, and education for beginner, intermediate, and experienced gardeners.
6. Establishing a community seed library and tool bank.
7. Supporting other existing local farms.
8. Expanding the community agriculture program.

B. Cultivating a Sense of Place

Recommendations Include:

1. Developing a local food branding program.
2. Formulating a North Fulton Local Food Working Group.

C. Sustainable Stewardship

Recommendations Include:

1. Exploring community composting models and piloting a community program.
2. Supporting pollinators and pollinator habitats.

D. City Initiatives & Partnerships

Recommendations Include:

1. Strengthening educational partnerships.
2. Promoting local food through policy and permitting.
3. Holding internal city meetings to track implementation and align food and agriculture goals.
4. Incentivizing food businesses and startups.
5. Reviewing city landscaping and procurement practices.
6. Creating a local food-friendly HOA pilot program.
7. Facilitating a shared commercial kitchen space.

The Memorandum of Understanding approved by City Council on January 18, 2022 and entered into by the City of Alpharetta in support of the City Agriculture Plan includes acceptance of a $75,000 monetary grant from the Food Well Alliance with required matching fiscal support match from the City of Alpharetta in the amount of $75,000. The grant and match would result in $150,000 being applied towards implementation of the plan.

At this time, staff recommends adopting, as presented, the resolution for acceptance of the City of Alpharetta Community Agriculture Plan and authorizing the mayor to execute all related documents.

V. ALTERNATIVES:

There is one alternative to the recommended action:

1. Deny or defer approval of the latest Agricultural Plan and provide Staff with direction as to (1) changes that need to be incorporated into a plan in order for it to be consistent with City Council's vision of the City's Agricultural Plan or (2) additional steps/actions that Staff should take in order to advance the project. Should revisions and edits to the City Agriculture Plan be requested by the Mayor and City Council prior to adoption and approval, the City of Alpharetta Agricultural Steering Committee would reconvene, incorporate the feedback from Mayor and Council, and make the revisions accordingly. The time predicted to complete the revisions and present the newly formulated plan is estimated at six months.

VI. ATTACHMENTS:

Alpharetta City Agriculture Plan, City of Alpharetta Agriculture Plan Resolution, City of Alpharetta & FWA - CAP Implementation Grant Agreement

ALPHARETTA CITY AGRICULTURE PLAN



ACKNOWLEDGEMENTS

SPECIAL THANKS TO:

The Mayor and City Council of Alpharetta

The Steering Committee:

Julie Carter, Manager, Alpharetta Farmers Market
Stella Chen, Agriculture Club President, Alpharetta High School
Kathi Cook, Director of Community and Economic Development, City of Alpharetta
Emily Dillard, Community Agriculture Coordinator, City of Alpharetta
Rossy Finol-Bishop, Wholesale Account Executive, Alpine Bakery & Trattoria
James Graeme, Old Rucker Farm Advisory Board
Amanda Musilli, Community Services Manager of Marketing, Special Events & Community Agriculture, City of Alpharetta
Morgan Rodgers, Director of Recreation, Parks & Cultural Services, City of Alpharetta
Sydney Rookes, Vice President, North Fulton Future Farmers of America
Jeremy Scott, Recreation Commissioner, City of Alpharetta
Michael Woodman, Planning and Development Services Manager, City of Alpharetta

FOOD WELL ALLIANCE PROJECT TEAM:

Sarah Brown, Policy and Planning Manager
Eirin Murphy, Policy and Planning Coordinator
Kate Conner, Executive Director

ARC PROJECT TEAM:

Bonnie Lapwood, Project Manager
Keri Stevens, Planning Administrator
Samyukth Shenbaga, Project Advisor

Unless otherwise specified, all photos are provided by the project team or courtesy of City of Alpharetta.

PREPARED FOR:

THE CITY OF ALPHARETTA GEORGIA

PREPARED BY:

ARC Atlanta Regional Commission

FOOD WELL ALLIANCE

TABLE OF CONTENTS

6 INTRODUCTION
10 COMMUNITY ENGAGEMENT
16 PLAN STRUCTURE
18 PRIORITY A: SUPPORTING LOCAL GROWERS
36 PRIORITY B: CULTIVATING A SENSE OF PLACE
42 PRIORITY C: SUSTAINABLE STEWARDSHIP
48 PRIORITY D: CITY INITIATIVES AND PARTNERSHIPS
64 NEXT STEPS
66 MATRIX OF RECOMMENDATIONS
70 APPENDIX

FOOD WELL ALLIANCE

Community Engagement Partner

MISSION

Food Well Alliance provides resources and support to local growers to connect and build healthier communities.

VISION

Food Well Alliance's vision is an equitable, local food ecosystem in which everyone can participate and benefit.

WHY CITY AGRICULTURE PLANNING?

Food Well Alliance believes that farms and gardens strengthen the heart of our cities and that they must be prioritized as cities continue to grow and develop. Successful City Agriculture Plans are possible when cities and communities are equally engaged in the process and urban growers have a seat at the planning table. When municipal leaders and diverse community leaders plan together for inclusive policies and projects, urban growers can provide greater access to locally grown food across the city, leading to healthier people, environments, and communities.

The creation of Food Well Alliance was made possible through funding from the founding benefactor, the James M. Cox Foundation.

THE JAMES M. COX FOUNDATION

ARC Atlanta Regional Commission

Planning Partner

MISSION

The Atlanta Regional Commission advances the national and international standing of the region by leveraging the uniqueness of its evolving communities, anticipating and responding to current realities, and leading a a data-driven planning process that provides a high quality of life, balancing social, economic, and environmental needs of all our communities.

VISION

The Atlanta Regional Commission employs shared foresight, expert staff, the ability to convene diverse communities and its reputation as a regional and national leader in order to support local governments, enhancing the lives of all our citizens by providing world-class infrastructure, building a competitive economy, and shaping a regional ecosystem comprised of healthy and livable communities.

WHY CITY AGRICULTURE PLANNING?

In its role as the regional planning agency, ARC develops and updates the Atlanta Region's Plan, a long-range blueprint that details investments needed to ensure metro Atlanta's future success and improve the region's quality of life. As a part of this long-range plan, ARC develops a Regional Resource Plan to protect and manage metro Atlanta's natural and cultural resources. City Agriculture Planning aligns with two adopted policies outlined in the Regional Resource Plan. Creating and protecting space for urban farms, gardens, and orchards fulfills the plan's objectives to preserve passive greenspaces as well as preserving areas for local food production activities.



INTRODUCTION

The City Agriculture Plan program was launched in 2018 to address major findings of Atlanta's Local Food Baseline Report developed by Food Well Alliance (FWA)[1]. This comprehensive review of the metro Atlanta regional food system revealed a need for growers and community members to have more meaningful participation in the development and implementation of policies and programs affecting local food and agriculture.

FWA and the Atlanta Regional Commission (ARC) partnered in 2019 to develop the region's first City Agriculture Plan for the City of East Point, Georgia. When the East Point City Agriculture Plan was finalized in 2021, FWA and ARC began the process of selecting a second city to continue the initiative. After considering applications from cities across FWA's five-county service area and holding Community Food Forums in the finalist cities of Alpharetta and Decatur, ARC and FWA selected the City of Alpharetta to develop the region's second City Agriculture Plan.

What is a City Agriculture Plan?

A City Agriculture Plan provides a roadmap for a community to achieve its vision of creating a vibrant and sustainable local food system over the next five to ten years. A local food system refers to the place-based relationships between producers, processors, distributors, consumers, and post-consumer waste disposal of food. In contrast to conventional food systems, a strong local food system makes these ties visible and integrates them to enhance the environmental, economic, social, and nutritional health of a community and its residents.[2,3]

Urban agriculture is an integral part of the community food system and goes beyond food production in urban areas. Urban agriculture is the production, distribution, and marketing of food, pollinator plants, flowers, and related products within metropolitan areas and their edges. Within cities, urban agriculture encompasses community and school gardens, green roofs and backyard gardens, and other methods that maximize food production in limited space. At metropolitan edges, urban agriculture encompasses smaller-scale farms that typically supply farmers markets, community supported agriculture (CSA) programs, and family farms. Overall, urban agriculture is a complex activity that affects food security, community development, environmental sustainability, and land use.[4]

The City Agriculture Plan is developed using a consensus-based and community-led process that brings together growers, residents, and City officials to identify community priorities. The plan outlines strategies for achieving these priorities including initial steps and recommended partners for implementation. A City Agriculture Plan is not meant to be a stand-alone document, but is meant to identify ways in which local food and agriculture can be integrated into City plans and programs.

How can Alpharetta benefit from a City Agriculture Plan?

Over the past several decades, Alpharetta has transformed from a rural farming community to a large and flourishing city that has become a destination for technology companies. The population has risen from 3,000 residents in 1980 to over 65,000 residents today, and still more people commute into Alpharetta daily.[5] This population and employment growth has spurred both residential and commercial development, meaning that much formerly agricultural land has been developed and is no longer used to produce food. This plan lays out a vision for Alpharetta where local food production is intentionally incorporated into the City's growth and development.

1. Food Well Alliance. "Atlanta's Local Food Baseline Report." (2017).
2. Growing Food Connections. "Community Food Systems Planning." (2017).
3. Samina Raja, Branden Born, and Jessica Kozlowski Russel. "A Planners Guide to Community and Regional Food Planning: Transforming Food Environments, Facilitating Healthy Eating." American Planning Association Planning Advisory Service (2008).
4. Kimberley Hodgson, Marcia Caton Campbell, and Martin Bailkey. "Urban Agriculture: Growing Healthy, Sustainable Places." American Planning Association Planning Advisory Service (2007).
5. US Census Bureau, Decennial Census.

INTRODUCTION

Alpharetta residents are passionate about growing and seeking out local food. They are interested in finding ways to contribute to a sustainable food cycle, where food is distributed equitably and responsibly and food waste is used regeneratively. This document draws upon community priorities and feedback from diverse stakeholders to lay out guidelines for integrating local food and agriculture into Alpharetta's policies, programs, and development. The Alpharetta City Agriculture Plan intersects with other City plans and documents to be a framework for actions that will strengthen the local food system in the City of Alpharetta and its communities.

The following vision statement was developed collaboratively by the steering committee in April 2022 to guide their efforts throughout the planning process. It is a reflection of the core values and focus areas of the City Agriculture Plan's development.



PROCESS

The Alpharetta City Agriculture Plan was created through a three-phase process:

1. Community Engagement Phase
2. Planning Phase
3. Implementation Phase

FWA led the community engagement phase, consisting of six community conversations held across Alpharetta, as well as surveys sent to multiple stakeholder groups. ARC led the planning phase, which involved five steering committee meetings held monthly to gain insight from members into issues raised during the community conversations. Steering committee members included representatives from Alpharetta's City staff, local business owners, students, and residents.

Feedback and learnings from the first two phases have culminated in this document, which will be presented to the City of Alpharetta's Recreation Commission, Planning Commission, and City Council for approval and adoption. This City Agriculture Plan will then provide guidance to the City during the final implementation phase.



COMMUNITY FOOD FORUM
December 2021

FOOD WELL ALLIANCE SELECTS ALPHARETTA
January 2022

PHASE I: COMMUNITY ENGAGEMENT
March - April 2022

PHASE II: PLANNING
April - August 2022

FINAL PLAN
September 2022

CITY COUNCIL ADOPTION
November 2022

PHASE III: IMPLEMENTATION



COMMUNITY ENGAGEMENT

Community input, supplemented by stakeholder insights and research into regional best practices, provides the basis for the recommendations contained within this document. The first phase of the City Agriculture Plan process consisted of a Community Food Forum to engage the community and introduce the plan concept, six community conversations facilitated by members of Alpharetta's local food and agriculture community, and targeted surveys sent to stakeholder groups. The primary goals for this engagement were to create accessible opportunities for diverse residents to contribute their thoughts on Alpharetta's local food system, and to summarize existing food assets and food-related programs within the City. The planning phase, the second phase of the process, consisted of monthly meetings with the steering committee, where they engaged with and built upon community feedback to propose ways to strengthen Alpharetta's food system. A full summary of the community engagement phase with detailed survey results can be found in the Appendix.



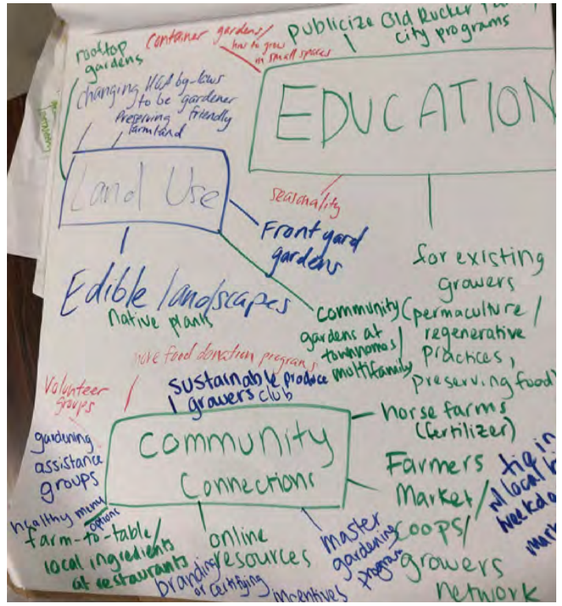
Community Food Forum

FWA hosted a Community Food Forum in the City of Alpharetta on December 4, 2021 to provide information about the City Agriculture Plan process and to elicit input on the local food and agriculture system in Alpharetta. The Food Forum was held at Old Rucker Farm, with 92 residents of Alpharetta and the surrounding areas in attendance. This event included speakers from FWA and ARC, as well as Alpharetta City staff, followed by a Q&A portion where attendees reflected on how a City Agriculture Plan could benefit Alpharetta. Attendees were enthusiastic about the opportunities that a City Agriculture Plan could bring to the City.

Community Conversations

FWA conducted six focus group-style Community Conversations during March and April of 2022, which were facilitated by local food leaders and consisted of informal dialogue centered around key questions about local food and agriculture in Alpharetta. The Community Conversations were spread geographically across Alpharetta and offered on weekend mornings and weekday evenings in accessible, public locations for equitable access. FWA and the City of Alpharetta promoted the events through social media, online newsletters, and news articles featured in the Atlanta Journal Constitution and by Appen Media.

Each Community Conversation averaged 15 attendees, with the best attended being the kickoff at Old Rucker Farm with 38 participants. Six key themes emerged during these meetings: education, increasing access to locally grown food, community connectivity and empowerment, homeowners association (HOA) regulations, sustainability and greenspaces, and reducing food waste via composting. These key themes informed steering committee discussion topics and brainstorming sessions and ultimately guided the priority areas identified in this plan.





Stakeholder Surveys

Online surveys targeted towards specific stakeholder groups were sent out electronically via email distribution lists during March and April of 2022. These surveys were meant to capture specific viewpoints outside of the resident-based Community Conversations that would be valuable in the planning process. A total of 110 responses were received, with the vast majority of respondents being residents of the City.

Eight key stakeholder groups – residents, city officials, educators and parents, growers, food businesses, faith-based organizations, homeowners association leaders, and Farmers Market participants – were identified collaboratively by FWA, ARC, and City of Alpharetta Community Agriculture Program staff. Distribution lists were compiled through a combination of established City of Alpharetta mailing lists and research into local institutions and organizations. The survey for residents was more widely distributed through a combination of social media posts on the Old Rucker Farm channels and via physical QR code fliers posted in strategic locations across Alpharetta including Recreation, Parks, and Cultural Services facilities and local restaurants.

Residents received a broad survey on Alpharetta's local food system, while specific stakeholder groups each received a 10-15 question survey that was tailored to their role within the food system. All surveys included three key questions as a baseline:

- What does local food mean for you in Alpharetta?
- What is Alpharetta doing right in terms of local food?
- What could Alpharetta do better in terms of local food?

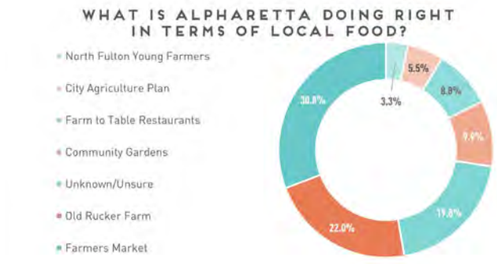
Survey feedback was provided to steering committee members for further discussion and insight, which has shaped the recommendations contained in this plan.

Key takeaways from the collective survey data are summarized at right.

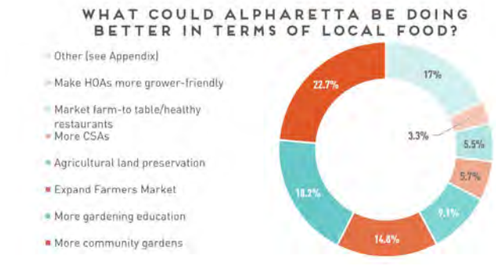
- The majority of respondents (22.5%) wrote that local food meant food grown in Alpharetta, while an additional 17% felt that it described food grown in Georgia.



- About a third (31%) of respondents identified the Farmers Market as a local food asset, with 22% identifying Old Rucker Farm in this capacity.



- Many survey responses (23%) pointed out that additional community gardens, especially on Alpharetta's East side, would be a step in the right directions for local food, while others pointed to more gardening education (18%) and expanding the Farmers Market to be more frequent and/or include more vendors and locations (15%).



COMMUNITY ASSET MAPPING

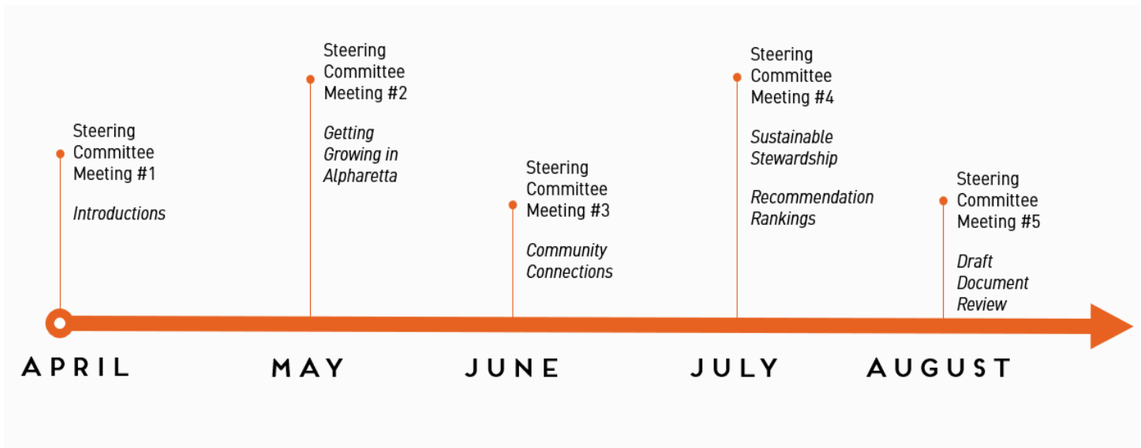
Community food and agriculture assets are places, organizations, or institutions involved in growing, preparing, sharing, distributing, or educating about food.[6] Through research, in-depth discussion with City staff and other stakeholders, and GIS analysis, an extensive list was compiled of Alpharetta's assets across seven categories: gardens, farms, and orchards; direct marketing outlets (CSAs and farmers markets); grocery stores; native plant and pollinator organizations; schools with gardens or an interest in being involved with local food; restaurants who currently serve local food or were interested in doing so; and non-profit and faith-based organizations.

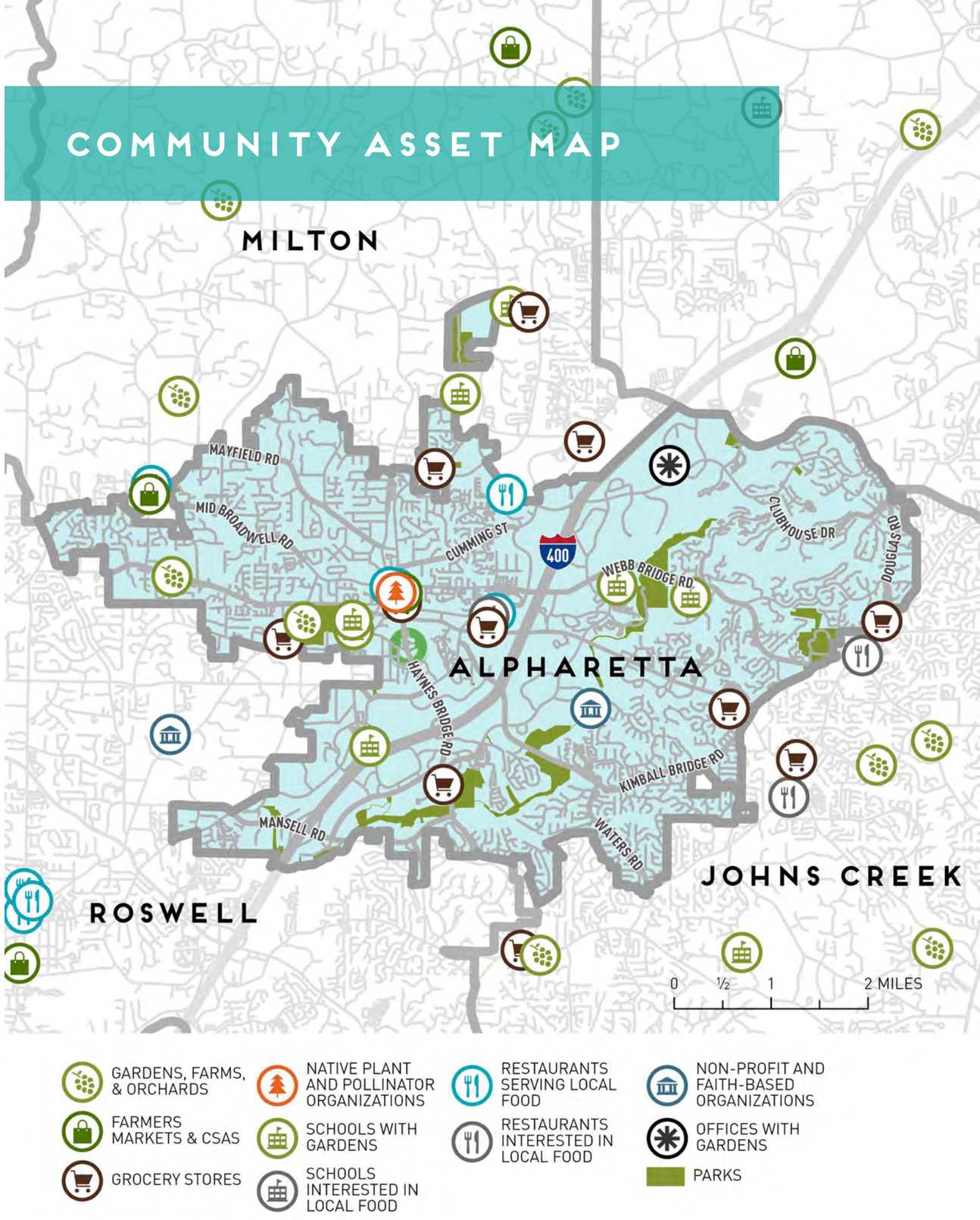
Through this process, over 50 community assets were identified in Alpharetta and nearby cities, including farms like Springwood Cashmere Farm and Moss Hill Farm; several schools which house school gardens; community garden spaces at Old Rucker Farm, Wills Park, and the Atley; farmers markets in Alpharetta, Roswell, Milton, and Duluth; and a number of local restaurants and grocery stores. The map on the following page shows a sampling of these assets by category. A full list is provided in the Appendix.

6. Vancouver Coastal Health. "Food Asset Maps." 2020.

STEERING COMMITTEE

A steering committee was convened to review the key themes and details that emerged during the community engagement phase and generate innovative ideas that would respond to challenges faced by residents in accessing and growing food. The steering committee consisted of City staff, residents, students, and business owners, all of whom met monthly at City Hall for meetings facilitated by ARC. Many steering committee members also participated in Community Conversations and heard firsthand from residents concerning the needs and opportunities surrounding local food and agriculture in Alpharetta. City staff from the Recreation, Parks, and Cultural Services, Community Development, and Economic Development departments contributed their expertise to discussions about feasible action items that could be outlined in the plan.







PLAN STRUCTURE

Six key themes emerged from the community engagement phase:

- Education
- Increasing Access to Locally Grown Food
- Community Connectivity and Empowerment
- Homeowners Association (HOA) Regulations
- Sustainability and Green Spaces
- Compost and Reducing Food Waste

These key themes were the basis for discussion at the three steering committee meetings held between May and July of 2022. The first of these meetings was dedicated to discussing barriers to accessing local food, including obstacles to growing food at home and the role of HOA bylaws in determining where food could be grown on single family residential properties. The steering committee covered community connectivity and education at the following meeting, listing existing and potential community partners across sectors, including educational programs and partnerships. Finally, the third meeting was focused on sustainable practices and included conversations about food waste and composting. As these meetings produced recommendations, the initial key themes were distilled into the following priority areas:

- Priority A: Supporting Local Growers
- Priority B: Cultivating a Sense of Place
- Priority C: Sustainable Stewardship
- Priority D: City Initiatives and Partnerships

These categories are not mutually exclusive, and many recommendations address multiple priority areas. Each recommendation includes a projected time frame for implementation. Ongoing strategies are those which are already underway or that should be pursued continuously once initiated. Short-term items are actionable within the next year following plan adoption. Medium-term recommendations can be pursued within a two-year time frame. Recommendations considered long-term could be implemented over the next five years.





PRIORITY A: SUPPORTING LOCAL GROWERS

SUPPORTING LOCAL GROWERS

Alpharetta residents who attended the Community Conversations and responded to the survey during the community engagement phase were enthusiastic about growing their own food. Participants described growing radishes, okra, sorrel, cucumbers, and even bitter melon to discourage deer, among many other fruits, vegetables, and herbs. Of the 72 residents who responded to the general survey, well over half grew their own food at home, while a quarter of respondents demonstrated their interest in growing food if they had better access to gardening resources and education. Residents also described informal groups of growers that had developed through friend groups and social media, allowing them to share excess produce or help out in older neighbors' gardens.

The recommendations in this priority area build on existing strengths among Alpharetta's local growers, such as informal associations or word-of-mouth produce sales, while also addressing some of the obstacles to growing that residents described during community engagement. The local growers referenced in this section range from apartment residents wishing to grow herbs on a windowsill to farmers growing multiple crops on several acres, with recommendations ranging in scale from providing basic educational programming on home growing to protecting farmland for future generations.

Supporting local growers means that more fresh produce will be close at hand, serving the goal of increasing fresh food access for all Alpharetta residents. A key theme throughout the community engagement and planning processes was the importance of prioritizing food security and access for the entire community. A food secure community exists when "all community residents obtain a safe, personally acceptable, nutritious diet through a sustainable food system that maximizes healthy choices, community self-reliance, and equal access for everyone."[7] While Alpharetta has a median household income of $119,568 and is largely perceived as a prosperous community, the 5% of Alpharettans who live below the poverty line and others who find themselves in need of food assistance must be considered when planning for the community food system. Pursuing the recommendations in this priority area also works towards decreasing barriers faced by food insecure individuals and families in accessing local food.

6. Anne Bellows and Michael Hamm. "Community Food Security and Nutrition Educators." Viewpoint (2003).



ONGOING STRATEGIES

RECOMMENDATION A-1:
Facilitate the Creation of a Home Growers' Cooperative

One of the most frequently cited community needs throughout both phases of the community engagement process was a centralized online space for local growers to connect with resources available in Alpharetta and to each other. 58% of general residents who were surveyed said they grow their own food at home, with over 50% of those respondents expressing interest in participating in a home growers' cooperative. This cooperative network could be a resource for offering assistance in preparing beds, trading plant starts, exchanging harvests, and advertising garden-related events and programs throughout the city. Creating an online space that is centralized, accessible, welcoming, and easy to use will hopefully help new gardeners feel empowered with the knowledge and support to grow their own food.

In addition to a digital space for exchanging resources and information, a physical space for the growers co-op could be established at the Alpharetta Farmers Market. The City could cover booth fees for the season, and co-op members could sell their excess harvest throughout the season. Many home growers cited that they do not know what to do with their excess produce, and would love the opportunity to share with neighbors. By establishing a booth at the farmers market, it would provide an additional outlet for fresh produce at the farmers market, allow growers to have an alternative stream of income, and contribute to a sense of place and community.

Keep Growing Detroit is one example of what a successful growers co-op could look like, as it provides an all-encompassing network of resources for gardeners in Detroit. The organization offers information, workshops, and internship opportunities related to all things food and agriculture, including how to build garden and farm infrastructure and guides on establishing a community garden. Their Garden Resource Program participants receive seeds, transplants, technical assistance from Keep Growing Detroit staff, and are connected to the thriving network of gardeners and farmers throughout Detroit. They also offer the "Grown in Detroit" program, which is open to all members of the Garden Resource Program. All members are committed to growing without the use of chemicals, pesticides, fertilizers, or GMO seeds, and with that commitment any member is eligible to sell their produce through their online farm store/CSA, at the farmers market, or wholesale directly to restaurants, commercial re-sale, or redistribution, all through the Keep Growing Detroit platform.



Radishes grown by a Keep Growing Detroit member, branded with the "Grown in Detroit" logo. Image sourced from the Future City Detroit website.

RECOMMENDATION A-1:
Facilitate the Creation of a Home Growers' Cooperative

TIMEFRAME:

Ongoing

ADDRESSES:

- **Supporting Local Growers**
- City Initiatives and Parnerships

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services; Community Agriculture Program

SUPPORT:

Alpharetta Farmers Market; Eatzos

STARTING STEPS:

- Collect relevant resources for gardening assistance, growing in Alpharetta, building beds, etc.
- Build out relevant social media platform accounts and website space.
- Invite Alpharetta community members to join the network and participate.
- Explore options for sponsoring the booth fee for co-op sellers at the Farmers Market.

RESOURCES:

1. Keep Growing Detroit

RECOMMENDATION A-2:
Expand Farmers Market Partnership and Offer Doubled SNAP/EBT

The Downtown Alpharetta Farmers Market is a seasonal event that takes place weekly on Saturdays between April and November. The Farmers Market is hosted by the Alpharetta Business Association and includes around 140 vendors. However, many residents who participated in the Community Conversations for this plan noted that there are few vendors who sell fresh produce, with many selling items like soaps, candles, and jewelry. Currently, none of the fresh produce sold at the Farmers Market is grown in Alpharetta. One resident noted: "There are too many vendors that don't sell grocery type foods. It's not a great place to shop for weekly food and I'd prefer the rule to be local producers only." The Farmers Market has taken some steps to balance the variety of products on offer, restricting new applications from baked goods, honey, jewelry, candle, soap, coffee, sauce, and spice vendors. Should the City of Alpharetta recruit a commercial kitchen and business incubator space (Recommendation E-6), this facility should be advertised to Farmers Market vendors through a partnership with the Alpharetta Business Association as an option for vendors to prepare their products locally.

To further encourage the sale of fresh fruits and vegetables at the Farmers Market, the City should consider wholly or partially subsidizing the $50 application fee and/or $40 weekly booth fee for vendors of locally grown produce as small business support, provided that the vendor is located within Alpharetta City limits. An arrangement could also be negotiated with the Alpharetta Business Association to provide reduced fees for these vendors. In tandem with facilitating a cooperative network for Alpharetta home growers, the City should assess the provision of a standing, funded Farmers Market booth for sale of co-op produce (Recommendation A-1). A standing City-sponsored booth could also be provided to restaurant and prepared food startups.



Vendors at the Alpharetta Farmers Market. Photo sourced from the Atlanta Journal Constitution website.

To facilitate increased access to fresh foods for families receiving federal nutrition benefits, the City should encourage the Alpharetta Farmers Market to enroll in a program that doubles SNAP/EBT dollars. Wholesome Wave Georgia is a non-profit organization dedicated to increasing access to fresh, healthy, local food for all Georgians. Through the Georgia Fresh for Less program, Wholesome Wave Georgia matches SNAP/EBT dollars spent on fresh produce at farmers markets. This program would be an effective way to increase the availability of fresh, healthy food to low-income families, while also making it clear that these families are welcome at the Alpharetta Farmers Market.

In Canton, Georgia, the local Farmers Market is managed by the City's downtown development manager. The market is held weekly on Saturdays in a downtown park. The Canton Farmers Market limits vendors to produce and prepared food, intentionally opting to focus on the market as a means to access a variety of local foods. The market provides free stalls for farmers, and charges only $10 weekly for prepared and value-added food vendors. The Canton Farmers Market does not have a program for doubling SNAP/EBT benefits. Further west, however, the Cartersville Farmers Market has opted into the Georgia Wholesome Wave Fresh for Less benefit doubling program. This farmers market is a joint effort on the part of Bartow County, City of Cartersville, and UGA Extension. The Cartersville Farmers Market is also guided by an advisory board made up of community members and other stakeholders, which informs the market's policies.

RECOMMENDATION A-2:
Expand Farmers Market Partnership and Offer Doubled SNAP/EBT

TIMEFRAME:

Ongoing

ADDRESSES:

- **Improving Local Food Access**
- Cultivating a Sense of Place
- City Initiatives and Partnerships

LEAD:

Alpharetta Business Association; City of Alpharetta Economic Development

SUPPORT:

Wholesome Wave Georgia

STARTING STEPS:

- Determine a funding source for supporting local produce vendors' Farmers Market costs, including the FWA City Agriculture Plan implementation grant and state small business assistance programs.
- Assess the feasibility of a standing City-sponsored Farmers Market stall for small business startups and home growers.
- Encourage the doubling of SNAP/EBT dollars at the Alpharetta Farmers Market to provide greater access to fresh fruits and vegetables for families receiving assistance.

RESOURCES:

1. Alpharetta Farmers Market Vendor Guidelines
2. Georgia Wholesome Wave Fresh For Less

RECOMMENDATION A-3:
Strengthen Volunteer Support for Community Gardens and Other Programs

Alpharetta's Community Agriculture Program has been successful in building a dedicated base of volunteers who assist with projects and maintenance at Old Rucker Farm. The program regularly hosts corporate volunteers from a variety of partners, as well as interested Alpharetta residents who want to contribute to their local community. The City should consider building upon the successes of the Community Agriculture Program's efforts to build volunteer capacity by facilitating a larger network of volunteers.

The City of Bloomington, Indiana, has a dedicated City-facilitated volunteer network, the City of Bloomington Volunteer Network (CBVN). An online portal and dedicated website allows interested residents to sign up to be contacted about volunteer opportunities, while opportunities are advertised through an online calendar and via a variety of social media platforms. Bloomington's volunteer portal encourages residents to volunteer with their Parks and Recreation Department or at the local Animal Shelter, and also encourages potential volunteers to get involved with their communities through serving on a board or commission or joining a neighborhood group. The online portal uses volunteer management software provided by a company called Galaxy Digital.

Creating an all-inclusive volunteer sign-up portal and management system would allow the City of Alpharetta to lend volunteer support to its various programs, including the Community Agriculture Program, when it is most needed. For example, the Wills Park Master Plan, completed in 2019, recommended against expansion of the Alpharetta Community Garden due to lack of volunteer support. A centralized volunteer network would allow the City to support community gardens and school gardens as needed using established volunteer connections. A volunteer network could also be implemented in tandem with the home growers' cooperative network (Recommendation A-1), with volunteer opportunities publicized when co-op members need additional assistance with garden preparation or harvesting.



Volunteers from Ernst & Young helping with a workday at Old Rucker Farm.

RECOMMENDATION A-3:
Strengthen Volunteer Support for Community Gardens and Other Programs

TIMEFRAME:

Ongoing

ADDRESSES:

- **Supporting Local Growers**
- City Initiatives and Partnerships

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services

SUPPORT:

City of Alpharetta Department of Information Technology

STARTING STEPS:

- Work with the Department of Information Technology to implement a centralized volunteer sign-up form and database through the City website.
- Advertise volunteer opportunities, both City-led and with community partners, through social media and email lists.

RESOURCES:

1. City of Bloomington Volunteer Network

RECOMMENDATION A-4:
Include Community Garden Space in Parks

Currently, Alpharetta offers two public community garden locations within City-owned parkland:

- Old Rucker Farm Community Garden
- Alpharetta Community Garden at Wills Park

Both of these gardens are located on the western side of the City and have extensive waiting lists for plots to become available. The demand for additional community garden space was a frequent comment throughout the community engagement process, and this demand has previously been recognized by the Recreation, Parks, and Cultural Services Department. According to the 2025 Recreation and Parks Master Plan, there is potential to develop community garden space within:

- Webb Bridge Park
- Windward Community Park
- Rock Mill Park
- Mid Broadwell Park

Three of these parks are located east of Highway 400, and the development of additional community gardens in these parks would be a first for the east side of Alpharetta. There is also potential for the expansion of the Alpharetta Community Garden at Wills Park, which would increase the number of available plots and provide more gardening opportunities for families who are already on the waiting list.

In order to increase accessibility and meet this growing demand for community garden space, partnering with the Recreation, Parks, and Cultural Services Department and ensuring land, resources, and leadership will be dedicated to the development of future garden space is essential to meeting this goal. Community gardens could be administered by a garden club, similar to the Alpharetta Community Garden at Wills Park.

Dane County, which contains the City of Madison, Wisconsin, has over 4000 individual community garden plots spanning across 43 acres of land dedicated to community gardening space. The Dane Gardens Network provides a centralized hub for residents to find a garden near them, see available plots, resources for establishing their own community garden, microgrants, and gardening knowledge. The program is operated through partnerships with the City of Madison, University of Wisconsin's Dane County Extension Office, and Community GroundWorks, a Madison-area food and gardening nonprofit. The City of Madison has gardens spanning across multiple City-owned parks, Department of Transportation easements, and University-owned land. Dane Gardens Network provides the following support services to their gardeners:

- Hold the lease for gardens on City-owned land and provide liability insurance to gardens as needed
- Mentor organizers at current and future gardens and connect them with resources and institutions
- Educate gardeners about growing vegetables and fruits in Wisconsin through sharing of technical publications, workshops, and an annual garden summit
- Promote connections between gardeners around the county

This kind of strong interorganizational partnership and clear leadership for community gardeners could be a useful model for Alpharetta on a smaller scale. All information that a gardener would need to know is centralized in one place and communicated effectively through interactive maps and links. The community gardens listed go beyond just those on City-owned parkland, and each garden includes a description of where it is located, how long it has been active, and who manages the space, along with relevant contact information.

RECOMMENDATION A-4:
Include Community Garden Space in Parks

TIMEFRAME:

Ongoing

ADDRESSES:

- **Supporting Local Growers**
- City Initiatives and Partnerships

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services

SUPPORT:

North Fulton Master Gardeners; FWA; UGA Extension

STARTING STEPS:

- Examine current master plans for Webb Bridge Park, Windward Soccer Complex, Rock Mill Park, and Mid Broadwell Park to ensure a community garden is being planned alongside other amenity developments.
- Research the feasibility and timeline for the expansion of Alpharetta Community Garden at Wills Park.

RESOURCES:

1. Food Well Alliance Community Garden Resource Center

RECOMMENDATION A-5:
Provide Workshops, Trainings, and Education

Expanded educational resources and opportunities for beginner, intermediate, and experienced gardeners to connect and grow their knowledge was one of the most frequently cited needs that came out of the community engagement process. Currently, Old Rucker Farm offers an extensive array of programming that varies depending on staffing availability, contracted partners to lead classes, and other events on the farm. The classes currently offered focus on a range of topics including personal health and wellness, dehydrating and preserving foods, and installing irrigation. There are also opportunities beyond Old Rucker Farm to bring local food and agriculture education to the community. The Alpharetta Farmers Market can act as a weekly conduit of connection to encourage residents to visit the farm, seek out a class, or explore how to establish their own garden. Workshops could be hosted directly at the Alpharetta Farmers Market to capture a base of Farmers Market customers who might otherwise not have the time to seek out workshops or training at Old Rucker Farm. Alpharetta also has a vibrant social culture of food-based events, such as Taste of Alpharetta and the Food Truck Alley. These local food events could be utilized as regular platforms for food and gardening education and short, interactive programming. By incorporating gardening and agriculture into these City-wide food events, it will encourage residents to think about their food system from plant to plate and enhance an already vibrant culture of local food champions.



An advertisement for one of the educational events offered at Old Rucker Farm.

RECOMMENDATION A-5:
Provide Workshops, Trainings, and Education

TIMEFRAME:

Ongoing

ADDRESSES:

- **Supporting Local Growers**
- Sustainable Stewardship
- City Initiatives and Partnerships

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services; Alpharetta Business Association

SUPPORT:

Fab Food Trucks; North Fulton Master Gardeners; Local Food Advocates; 99 Plants; Green Cell

STARTING STEPS:

- Analyze current workshop programming and see what classes have had most attendance and could be expanded.
- Identify gaps in programming to encourage gardeners of all experience levels to attend.
- Develop gardening handouts, fliers, and other resource packets to give away at events and farmers markets.
- Look into hiring additional educators/workshop leaders.

MEDIUM-TERM STRATEGIES

RECOMMENDATION A-6:
Establish a Community Seed Library and Tool Bank

Saving seeds has a variety of benefits for both the gardener and local ecosystem as a whole including helping to preserve genetic diversity in edible plants, saving money on seeds and plant starts, and encouraging gardeners to grow their favorite native varieties year after year. Allowing crops to go to seed also acts as an extended food source for pollinators. A seed library promotes community resilience and relationship building by allowing growers to participate in a non-monetary form of exchange and connection.

A seed library operates similarly to a book library; users "check out" a packet of seeds, return the packet after planting, and after they have raised their own crops and collected seeds from their harvest, bring those seeds to contribute back to the library. It is a self-sustaining and community supported system. The seed library could be hosted and managed by Old Rucker Farm, and if popular amongst residents, could expand to other publicly accessible locations like Alpharetta Recreation Centers. The initial investment into a seed library would require an organized box or cabinet, labels, dividers, seed packets, stamps, a checkout management system, and an initial supply of seeds. A resource guide on how to save seeds would also be beneficial for residents who might not be familiar with the practice.

A tool bank operates under some of the same principles as a seed library in that it promotes community connection, accessibility, and trust. A tool bank for Alpharetta would encourage residents to pursue home and garden projects that they may not have the means to otherwise, due to barriers in procuring the right equipment. The tool bank could also be hosted at Old Rucker Farm, in a shed with a coded lock and a check out system for accountability. The initial start-up costs could be higher than that of a seed library, due to acquiring multiple tools to be used and having storage built to contain the inventory. Depending on the types of tools present in the bank, renting may require safety trainings and/or liability waivers. Tool bank users could also benefit from frequent maintenance education so tools can be repaired in a timely manner. Hosting a community garden tool drive could reduce start up costs and act as an advertisement for the launch of the program.

The Cleveland Seed Library was established to increase resilience, biological diversity, and food security throughout the region. Managed by the Hummingbird Project, seed libraries are present at 22 different library locations across 5 different counties, each containing over 20 unique varieties of organic, open-pollinated, non-GMO seeds for the community to access. The seed bank is open from early spring until the first day of fall. They are actively seeking to add additional seed libraries to other locations across the region, if there is community interest in doing so. They also offer seed saving workshops, literature, and extensive resources on their website.



Alpharetta's Community Agriculture Program offers seeds at the Taste of Alpharetta festival.

RECOMMENDATION A-6:
Establish a Community Seed Library and Tool Bank

TIMEFRAME:

Medium-term

ADDRESSES:

- **Supporting Local Growers**
- Sustainable Stewardship
- City Initiatives and Partnerships

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services

SUPPORT:

Additional North Fulton Cities; Fulton County Library; Atlanta Community Tool Bank

STARTING STEPS:

- Select a location to host the seed library with considerations for storage and accessibility.
- Create community guidelines for use of seeds and tools.
- Acquire seeds and tools.
- Establish a "check out" protocol for the tool library.

RESOURCES:

1. Starting a Seed Library
2. Share Starter: How to Start a Library of Things

LONG-TERM STRATEGIES

RECOMMENDATION A-7:
Support Existing Farms

According to the American Farmland Trust, an estimated 2000 acres of farmland a day are paved over, fragmented, and converted to land uses that are not agricultural.[8] Over the next 15 years, one third of America's farm and ranchland will exchange hands as farmers and ranchers age, with many of those sales resulting in the loss of viable farmland. Alpharetta has already seen the effects of this process over the last 50 years through its evolution from a primarily agrarian community to a thriving center of enterprise and technology.

Currently, there are four working farms in Alpharetta, including Old Rucker Farm. One means of expanding Alpharetta land available for agricultural production is through the use of agricultural conservation easements. Operating through the Georgia branch of the Natural Resource Conservation Department (NRCS), the Agricultural Conservation Easement Program (ACEP) helps landowners, land trusts, and other entities protect, restore, and enhance wetlands, grasslands, and working farms and ranches through conservation easements. Under the Agricultural Land Easements component, NRCS helps American Indian tribes, state and local governments, and non-governmental organizations protect working agricultural lands and limit non-agricultural land uses. Conserving farmland in Alpharetta and surrounding cities would encourage alternative forms of land use and enhance the agricultural resilience and security for the entire region's local food system. Individual farmers cannot directly receive funding for the ACEP program, so the City of Alpharetta would be a crucial partner to pursue this kind of easement.

The Athens Land Trust (ALT) currently protects 20,000 acres through conservation easements and fee donations in Athens-Clarke County and 39 other counties in Georgia. This land consists of working family farmland and forest, wetlands, neighborhood open space, and scenic vistas. ALT works with landowners to protect ecologically rich areas, working farmland, and scenic areas in Georgia. Protecting natural areas sustains critical ecosystem products such as clean air and water, wildlife habitat, biodiversity, water supply and productive soils. These natural commodities provide a wide array of benefits to humans and wildlife and create the foundation for environmental and economic sustainability. Through the Agricultural Land Easement program, the landowner gets paid for keeping the country' best soil and farmland for agricultural use, which keeps the nation's future food supply more secure. The ACEP-ALE program purchases 75% of a conservation easement value, which is funded 50% by Farm Bill support and 25% by a local match. The landowner donates the remaining 25% value of land through the easement, which could have federal tax benefits.

An additional resource for farmland conservation throughout metro Atlanta is the Conservation Fund's Working Farms Fund. The program has been piloted in Atlanta and Chicago and seeks to fill the land access gap that prevents small farmers from scaling up their operations. The Conservation Fund acquires farmland that is at threat of being converted to other development under a conservation easement, then a lease-to-own contract is established between the Conservation Fund and the farmer. The conservation easement is then sold back to the farmer at an agricultural-use value, which is far below market value price. The fund has assisted eight farmers so far across metro Atlanta with expanding their farm operations significantly while also preserving vulnerable ecosystems through conservation. Snapfinger Farm recently partnered with the program in 2022 and secured a 197-acre farm in Covington, Georgia. This property borders the South River, a major watershed of Atlanta. The farm's ecosystems include floodplain, wetlands, streams, and lakes, with extensive farmland, resulting in high biodiversity across the property. Over the next four years, Snapfinger Farm will expand production on more than 50 acres of cropland to sell to Atlanta wholesale markets.

8. American Farmland Trust. "What's at Stake."

RECOMMENDATION A-7:
Support Existing Farms

TIMEFRAME:

Long-term

ADDRESSES:

- **Supporting Local Growers**
- City Initiatives and Partnerships

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services

SUPPORT:

Athens Land Trust; American Farmland Trust; Georgia NRCS; The Conservation Fund - Working Farms Fund; Additional North Fulton Cities

STARTING STEPS:

- Identify active farms in Alpharetta and assess interest in establishing conservation easements.
- Identify former farmland or other wildlands that have not been developed yet that could benefit from a conservation easement, and consider partnership with Athens Land Trust.
- Assess tools to invite interested farmers within Alpharetta to manage protected land.

RESOURCES:

1. Georgia Farm Link
2. Athens Land Trust ACEP-ALE
3. American Farmland Trust
4. Georgia NRCS Agricultural Conservation Easement Program (ACEP)

RECOMMENDATION A-8:
Expand Community Agriculture Program

Old Rucker Farm offers a wealth of opportunities to the City of Alpharetta and surrounding communities. As Alpharetta continues to grow, Old Rucker Farm will need to be able to accommodate the increase in community members interested in local food systems, home gardening, and community gardening as well as the growing demand for food at North Fulton Community Charities. This could mean expanding space at Old Rucker Farm, or pursuing options for a second location for the Community Agriculture Program. The property currently has additional space within the "park" portion which is unsuitable for vegetable gardening, but could be used to plant a larger orchard, or a field of native or edible species that would not only support pollinators, but also be used for families to enjoy and for photography opportunities. Additionally, a 2-3 stall small barn could be built on this side of the property with bleacher-style seating to host educational demonstrations with future livestock: how to milk a cow, taking care of goats, etc. This would incorporate a whole new facet of education to the Community Agriculture Program, and would provide fun and exciting opportunities to interact with animals.

Looking beyond the current property, the Community Agriculture Program could expand to the Mayfield property, which is currently co-owned by Alpharetta and Milton. This property, which formerly served as a family homestead, has 12 acres and a pond. It could serve as a location for a community compost site, larger rented plots for grower-coop members, and expanded educational opportunities. Other partners for expanding growing space could include local churches with large properties and private property owners interested in using tax-based incentives to protect portions of their private land for conservation and food production.

Community Agriculture Program staff and volunteer capacity will need to grow in tandem with the program's offerings. Additional staff and volunteer leads will be needed to draft management plans for an expanding program, potentially including multiple community gardens (Recommendation A-4), a growers' co-op network (Recommendation



A-1), and other initiatives. Currently, the Community Agriculture Program is staffed by one part-time employee, with the full-time Community Services manager overseeing the program as part of a range of responsibilities. The program is currently hiring for a temporary, contractor Education and Volunteer Coordinator. In order for the program to expand and thrive, the City should pursue creating a full-time Farm Manager role. This position would oversee day-to-day farm operations: crop planning and rotation, compost management, animal care, etc. Subsequently, the addition of a Program and Communications Coordinator position should be considered to manage the growers' co-op, additional community gardens, and other new programming initiatives.

A comparable community farm to look to as an example is the CAC Beardsley Community Farm funded through the City of Knoxville's Community Action Committee. Their mission is to provide fresh produce, accessible education, and land for gardening to the greater Knoxville community. Similar to Old Rucker Farm, all of their produce is donated to charity. They have three permanent staff members, an internship program, and a strong volunteer base. In addition to their permanent staff, they also have a range of 3-8 Americorps service members coordinating their volunteer programs, school garden initiatives, and other education ventures. Although Americorps members might not be the best fit for supplementing staff with the Community Agriculture Program, CAC Beardsley has built their staff capacity through an Americorps partnership and pursuing grant funding.

RECOMMENDATION A-8:
Expand Community Agriculture Program

TIMEFRAME:

Long-term

ADDRESSES:

- **Supporting Local Growers**
- City Initiatives and Partnerships

LEAD:

Alpharetta Recreation, Parks, and Cultural Services Community Agriculture Program

SUPPORT:

City of Alpharetta Community and Economic Development

STARTING STEPS:

- Complete development of a Master Plan for Old Rucker Farm, considering expansion of Community Agriculture facilities.
- Pursue funding to hire new staff.
- Create partnerships to assist with management of new programming.
- Look into expanding internship opportunities.

PRIORITY B: CULTIVATING A SENSE OF PLACE

CULTIVATING A SENSE OF PLACE

Since it was chartered in 1858 through the 1970s, Alpharetta was a primarily agrarian community with a quiet downtown district. Over the past 40 years, the population of Alpharetta has grown twenty-one times over from 3,000 to 66,000. That figure is projected to further increase to 83,000 by 2040, making Alpharetta one of the fastest-growing communities in the South. As development puts pressure on surrounding green spaces, the City of Alpharetta has set goals to "develop a land use pattern and structure that fully complements the vision of Alpharetta as a signature community in the region" as well as to "protect and nurture natural, cultural, and historic resources."[9]

These recommendations can be used as tools to promote local food and agriculture as an additional community amenity, a means of preserving a grounded and connected local culture, and a regenerative practice to strengthen local ecosystems. Residents often referenced the agricultural history of their city in the community engagement phase, and these recommendations serve to honor and build upon that connection.

9. City of Alpharetta. Horizon 2040 Comprehensive Plan. 2021.



ONGOING STRATEGIES

RECOMMENDATION B-1:
Local Food Branding Program

To build a sense of community around the local food system, the City of Alpharetta should consider launching a locally made and/or produced brand campaign, i.e. "Alpharetta Grows." A local branding campaign adds a unique selling point to products that connects businesses and/or growers to the local consumer base.

A local brand not only promotes affiliated producers, but also promotes its host city. Local brand platforms can enable a connection between local food advocates and the City's efforts to boost economic development and tourism. While other economic development support programs should also be considered, a local brand platform offers important support for local businesses and producers with a specific focus on new market development and brand differentiation. Local brand platforms can provide marketing exposure, create new distribution opportunities, and foster business-to-business sales such as local restaurant procurement.

By promoting geographic connections, a local brand taps into growing consumer trends for local goods and fosters a unique appreciation of place. The campaign to market the local brand to consumers should tap into the multitude of benefits of local food and agriculture including, but not limited to:

1. Supporting local businesses and keeping dollars in the local economy.
2. Reducing the environmental impact of certain foods by limiting transportation and packaging needs and avoiding chemically intensive conventional growing practices.
3. Increasing access to fresh, seasonal, and maximally nutritious food options.
4. Bringing the Alpharetta community together around good and nutritious food while connecting to the City's agricultural history.

Locally, Alpharetta can look to Atlanta's local food promotion program, AgLanta Grown, as an example of establishing a local food and agriculture brand. AgLanta Grown syncs the collective efforts of contributors and consumers in Atlanta's local food system by developing a trusted brand for the local agriculture economy, increasing access to markets for producers and consumers, and building a broad coalition of producers, consumers, and advocates to stimulate the local food economy and increase revenue for farmers.

This recommendation follows national trends towards differentiating local food brands. For example, Community Involved in Supporting Agriculture's "Be a Local Hero, Buy Locally Grown" campaign in the Pioneer Valley of Massachusetts has had tremendous success since it launched in 1999. 82% of surveyed residents in the three-county region recognized the brand's logo, and those that did recognize it were twice as likely to prioritize purchasing local food. In the 2002-2007 USDA Census of Agriculture, farmers in the brand's region reported that they doubled the amount of products (including wood, flowers, and produce) sold to local customers, increasing sales from $4.5 million to almost $9 million after the launch of this branding campaign.

The AgLanta Grown logo. Image sourced from the AgLanta website.

RECOMMENDATION B-1:
Local Food Branding Program

TIMEFRAME:

Ongoing

ADDRESSES:

- Supporting Local Growers
- **Cultivating a Sense of Place**
- City Initiatives and Partnerships

LEAD:

City of Alpharetta Community and Economic Development, City of Alpharetta Recreation, Parks, and Cultural Services

SUPPORT:

Alpharetta Business Association, Alpharetta Chamber of Commerce, Alpharetta Convention and Visitors Bureau

STARTING STEPS:

- Create a sub-committee including growers, consumers, food business owners, and marketing specialists to draft the parameters of the brand protocol including geographic limitations, certification requirements, and marketing brand standards.
- Identify funding to create or commission a marketing firm to create materials to market brand opportunity including web and social media assets and physical marketing materials such as QR code postcards, stickers for branding, or other display materials.
- Utilize current City and food business communication networks including social media accounts to promote the new branding protocol. This should be done in conjunction with content uplifting current food and agricultural organizations, events, volunteer opportunities, and activity related to City Agriculture Plan implementation.
- Pilot the branding initiative with current local growers, producers, and food businesses. Consider including incentives for business participation as well as consumer participation, such as a "local food passport" activity.
- Consider hiring an agricultural communications part-time or temporary employee within the Recreation, Parks, and Cultural Services Department to run social media campaigns and accounts and spearhead advertising of related events. This position could tie in to the marketing curricula of Cambridge High School's Agribusiness and Leadership class.

SHORT-TERM STRATEGIES

RECOMMENDATION B-2:
Form a North Fulton Local Food Working Group

Alpharetta's close relationship with surrounding North Fulton County cities presents a unique opportunity to cross-leverage local food and agriculture resources and community assets. To formalize this relationship, Alpharetta could spearhead the creation of a North Fulton Local Food and Agriculture Working Group or Coalition in partnership with the cities of Johns Creek, Milton, Mountain Park, and Roswell.

The purpose of a Working Group would be to strengthen the regional food system by connecting its various sectors across jurisdictional boundaries. By connecting and examining the functionality of the regional food system, the Working Group would be able to propose beneficial policy changes and community initiatives to help improve the regional quality of life by increasing local food access, supporting local entrepreneurial opportunities, and proposing sustainable practices. A regional Working Group would encourage collaborative projects between food sectors that more organically reflect local food sheds and the way that North Fulton residents produce and source their local food and products.

This recommendation follows a growing national trend of forming Food Networks or Food Policy Councils. Two groups that can be modeled in the Southeast are the Davidson County Local Food Network and the Harvey County Food & Farm Council.

The Davidson County Local Food Network in Davidson County, North Carolina, is a group composed of private citizens, representatives from the Health Department, Cooperative extension, businesses, farms, governmental and non-governmental organizations who feel the need to make food a priority. They have formed three action committees to address the current issues facing their county: Community and Home Gardens, Health Promotion and Access (Food Security and Recovery), and Farm and Food Economy.

In Harvey County, Kansas, the Harvey County Food and Farm Council is a group of community members, farmers, food retail establishments, organizations serving at-risk populations, the health department, and schools and other institutions all appointed by the Harvey County Commission. Their mission is to promote access to affordable, nutritious, and safe food for all residents; to promote local food as a means of enhancing economic development, promoting agritourism, and strengthening the local food system; and to effect improvement in the health and well-being of all Harvey County residents.



The Newtown Community Garden in Johns Creek. Photo sourced from the Atlanta Area Parks website.

RECOMMENDATION B-2:
Form a North Fulton Local Food Working Group

TIMEFRAME:

Short-term

ADDRESSES:

- Supporting Local Growers
- **Cultivating a Sense of Place**
- Sustainable Stewardship
- City Initiatives and Partnerships

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services

SUPPORT:

Related officials from other participating cities, Alpharetta Convention and Visitors Bureau

STARTING STEPS:

- Develop a Planning Committee. The committee could include representatives from legislative bodies, farms and gardens, and food businesses from each of the participating cities.
- Determine the structure of the Working Group. The Working Group can be structured with various committees to address priority issues and/or projects. It can also vary in terms of political affiliation with models including, but not limited to, independent/non-political groups, groups formed through a resolution passed by the county board, or groups formed through joint resolutions from participating cities.
- Consider conducting additional community outreach in participating cities outside of Alpharetta to assist with determining regional priorities. The Working Group could model the community engagement undertaken as part of the Alpharetta City Agriculture Plan and then synthesize cross-city and county level data to inform prioritization of projects.
- Host a small, hyper-local Food System Summit with sponsorship from the Alpharetta Convention and Visitors Bureau to bring regional stakeholders together for networking and learning opportunities.
- Craft an outreach and messaging strategy to promote the Working Group across North Fulton County.

RESOURCES:

1. Johns Hopkins Center for a Livable Future & Food Policy Network Collaborations
   a. Developing a Communications Strategy: A Guide for Food Policy Councils
   b. From Partnerships to Policy: Promising Practices for New Food Policy Councils

PRIORITY C: SUSTAINABLE STEWARDSHIP

SUSTAINABLE STEWARDSHIP

A common thread ran through the many conversations that produced this plan: the sense that all of us must be responsible stewards of our land and resources. The steering committee engaged in an in-depth discussion on what sustainable stewardship means in the context of local food and agriculture in Alpharetta. Working together, steering committee members agreed upon this definition:

"Responsibly stewarding resources and the environment by enabling a circular cycle where food and other plants are grown using regenerative practices that contribute to healthy soil, food is distributed and preserved with little waste, and food waste and organic materials are composted and added to soil to begin the cycle anew."

Recommendations in this priority area are written in recognition that growing food relies upon healthy soil, clean water and air, and a thriving ecosystem that supports pollinators and other wildlife.



MEDIUM-TERM STRATEGIES

RECOMMENDATION C-1:
Explore Community Composting Models and Pilot a Community Program

Locally-based composting builds healthy soils while promoting social inclusion and empowerment. When materials are collected and transported out of the community for processing, these benefits are not realized at the local level. Worse, when they continue to circulate in traditional waste management streams, they decompose in landfills emitting harmful greenhouse gasses.

In community composting programs, resources are recognized and managed as community assets. These programs are characterized by local control, community access, and participation. Community composting involves relatively small-scale systems in which organic material is converted into compost within a local community using community inputs and producing community assets.

Community composting operations that source off-site materials, such as food scraps or yard trimmings, fall under Georgia Environmental Protection Department's (GA EPD) designation as a Class II compost operation. This class is for sites that process feedstocks that are Category A (yard trimmings, land clearing debris, on-site agricultural residuals, and untreated wood) and Category B (off-site agricultural residuals, herbivorous animal manure, and source-separated organics such as food residuals and compostable papers). Class II sites that process less than 500 tons of Category B feedstock per month are required to qualify for a GA EPD permit-by-rule. This permit-by-rule requires that they comply with certain design and operating standards including appropriate signage and a management plan that includes trained operators.

20% of residents that participated in the Community Engagement survey noted that they already compost at home, indicating a high level of community interest in composting. Additional avenues to participate via community composting systems or drop off sites offered in tandem with additional resources and education would surely attract even more composters.

Food scraps drop off locations could be simple collection receptacles that are then transported to a composting site. These drop offs could be coordinated weekly at the Alpharetta Farmers Market or at a recycling facility such as the Roswell Recycling Center. A pilot project could be undertaken via the Community Agriculture Program through the acquisition of a food dehydrator, which would allow for easy transport of organic materials once dehydrated. This type of community composting meets residents where they are already gathering or engaging in recycling. One example is the City of Alexandria, Virginia, which coordinates Food Waste Drop-Off Stations operated by their Department of Transportation & Environmental Services' Resource Recovery Division. These sites are located at Farmers Markets across the City where residents can drop off food waste free of charge. The food waste is taken to a local composting site and processed into compost. Staff are on site at the Farmers Market Drop-Off sites to accept items for composting and share information on how to compost food and yard waste at home.

There are also a number of potential partners that could assist in facilitating composting within Alpharetta. CompostNow requires 500 interested residents or businesses in order to expand their service area. They also accept applications for donation site partners, which could allow Alpharetta residents to donate their compost to Old Rucker Farm or to another local garden. Goodr is another potential partner or resource, providing surplus food recovery and composting services through a variety of partnership models. Organix Recycling is another food waste collector that provides food waste management on a range of scales, from farms to industrial processors. Based on the success of a community composting program, the City could consider pursuing organic waste management on a larger scale.

RECOMMENDATION C-1:
Explore Community Composting Models and Pilot a Community Program

TIMEFRAME:

Medium-term

ADDRESSES:

- Supporting Local Growers
- **Sustainable Stewardship**
- City Initiatives and Partnerships

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services

SUPPORT:

Other garden and/or drop off site managers; Georgia Environmental Protection Department

STARTING STEPS:

- Old Rucker Farm is recommended for the pilot site since it already has a 6-bin composting system, regular staff, and compost signage.
  - Farm managers should determine the average amount of additional food scrap material (outside of that produced on the farm) that the 6-bin system could support on a weekly basis and determine the number of pilot participants from that calculation.
  - Starting with regular volunteers, community garden members, or CSA members, reach out to the target number of participants to identify interest in a weekly food scrap and/or browns drop off opportunity.
  - Consider procuring items for pilot participant toolkit including sealed 5-gallon bucket, countertop compost bin, and suite of educational materials. Small dehydrators could also be an alternative that would permit ease of transport without spills or odor.
- Given the success of the pilot program and assuming broader interest in participation, the drop off program could be expanded to additional sites in Alpharetta.
  - Identify potential drop off sites, which are most easily sited at existing farms, gardens, or park spaces. Sites should include adequate space for a small compost system reasonably set back from the property line, and should be regularly monitored and/or staffed by individuals/organizations willing to be trained operators.
  - Conduct community outreach to identify critical mass of local neighbors interested in participating in community composting programs at proposed sites. This could involve door-to-door outreach or a neighborhood survey.

RESOURCES:

1. State of Georgia Rules and Regulations for Composting and Anerobic Digestion Facilities
2. Institute for Local Self Reliance: Growing Fertility - A Guide to Community Composting
3. Institute for Local Self Reliance: Community Composting Done Right - A Guide to Best Management Practices
4. Additional funding to expand the program to a City-level may be available through US Department of Agriculture (USDA) grant opportunities for municipal composting planning and implementation through Composting and Food Waste Reduction cooperative agreements
5. CompostNow
6. Goodr

LONG-TERM STRATEGIES

RECOMMENDATION C-2:
Support Pollinators and Pollinator Habitats

The health and biodiversity of native pollinators is essential to the wellbeing of our agricultural systems. Taking steps to support pollinators, including the creation and enhancement of pollinator habitats, will in turn support the health and productivity of local agriculture. Strategies could include encouraging residents to plant pollinator-friendly plants, replacing traditional landscaping in commercial areas and on City-owned property with pollinator-friendly plants, and promoting beehive cultivation on rooftops and in other greenspaces where appropriate management is available.

Supporting wildlife habitat has already been established as a priority of Alpharetta's City Council when they decided to pursue certification as a Community Wildlife Habitat through the National Wildlife Federation. This certification would increase the diversity and resiliency of native plants and wildlife and create a healthier local ecosystem. Achievement and maintenance of this certification is a goal of Alpharetta's Wild Side, a program sponsored by the Alpharetta Natural Resources Commission to promote the preservation of green spaces in Alpharetta that support wildlife. The program focuses on using native plants as habitats for pollinators and other neighborhood-friendly animals. This program, which is under the purview of the Public Works Department, should be re-prioritized in order to attain certification. Certification also requires community projects and educational workshops that could be bolstered during the City Agriculture Plan implementation phase.

In addition to Alpharetta's Wild Side, several other residents, local apiary organizations, and school programs have established and maintained beehives and pollinator gardens throughout Alpharetta. Connecting these groups and coordinating their efforts to support pollinators across the city would be an effective way to share best practices, leverage shared resources, and identify geographic areas that need pollinator support. The Alpharetta's Wild Side program or a similar spin-off program could be created to facilitate mapping and tracking of pollinator habitat through contributions by Alpharetta citizen scientists.

A prime example of strategic action comes from the City of Toronto, Canada, which passed a Pollinator Protection Strategy in 2018 to support the City's vision of being home to diverse pollinator communities that contribute to resilient ecosystems and enhance urban biodiversity. This strategy framework has been incredibly successful in sustaining and improving pollinator diversity and is a model for urban pollinator conservation strategies around the globe. The 30 actions in Toronto's Pollinator Protection Strategy are multifaceted, addressing improvements in educational outreach and the need for sustained funding and increased capacity, while keeping in mind the importance of building and sustaining partnerships with stakeholder groups, including underrepresented communities. With around 7,000 citizens engaged in the public consultation process, the strategy outlines diverse approaches to protect Toronto's 360+ species of native bees and 112 species of butterflies.



RECOMMENDATION C-2:
Support Pollinators and Pollinator Habitats

TIMEFRAME:

Long-term

ADDRESSES:

- Supporting Local Growers
- **Sustainable Stewardship**
- City Initiatives and Partnerships

LEAD:

Alpharetta Natural Resources Commission

SUPPORT:

City of Alpharetta Recreation, Parks, and Cultural Services; City of Alpharetta Public Works; Innovation Academy STEM High School; Metro Atlanta Beekeepers Association; Cambridge High School Future Farmers of America beekeepers

STARTING STEPS:

- Cultivate partnerships between current Alpharetta pollinator-support organizations.
- Cultivate partnerships between Alpharetta pollinator-support network and related regional non-profits such as:
  - Georgia Tech Urban Honey Bee Project: a research program that studies the effects of urban environments on honey bee populations.
  - Greater Atlanta Pollinator Partnership: a group that supports pollinator conservation research and habitat restoration, develops clear guidelines for pollinator-friendly habitat design and installation, and helps restore both abandoned and endangered pollinator sites.
  - Atlanta Botanical Garden Plant Pollinator Program: a group focused on the creation and restoration of metro Atlanta pollinator habitats, surveying and monitoring pollinators, and developing educational material on pollinator conservation in the region.
- Survey practices of city landscaping and land use to identify opportunities to increase native and pollinator-friendly plantings.

PRIORITY D: CITY INITIATIVES AND PARTNERSHIPS

CITY INITIATIVES & PARTNERSHIPS

The recommendations in this document were written to be implemented wholly or in part by the City of Alpharetta. A conscious decision was made during the planning process to focus on action items that could be undertaken with the City either leading or facilitating the initiative. Hence, while there is important work being done by a variety of organizations to enhance local food connections in Alpharetta, this plan is centered around the City's role in strengthening this network.

Residents are supportive of the resources the City of Alpharetta has dedicated towards Old Rucker Farm and the Community Agriculture Program. Many survey respondents felt that Old Rucker Farm was representative of what Alpharetta is doing right in terms of local food. The Community Agriculture Program also constitutes a strong partnership between the City and local educational institutions. One resident described Old Rucker Farm as a "tremendous start," which speaks to the potential to expand the reach of the Community Agriculture Program and leverage the strong community partnerships the City is already engaged in to encourage and incentivize locally produced food.



North Fulton Young Farmers starting seeds at Old Rucker Farm. Photo sourced from North Fulton Young Farmers Facebook page.

ONGOING STRATEGIES

RECOMMENDATION D-1:
Strengthen Educational Partnerships

The City of Alpharetta's Community Agriculture Program forms a strong basis for educational relationships between the City and local schools centered around agriculture. Fulton County Schools offers Agriculture, Food, and Natural Resources programming at some local schools through the Georgia Career, Technical, and Agricultural Education (CTAE) program. The City of Alpharetta currently partners with the North Fulton Young Farmers, as well as with Cambridge High School Agribusiness students, providing growing space at Old Rucker Farm for the produce sold through their CSA program, the AGaretta Box. Cogburn Woods Elementary School is another school in the area offering Agriculture, Food, and Natural Resources pathways through CTAE, while Amana Academy, The Lionheart School, and Fulton Science Academy also offer school gardens and farm to school programming. Alpharetta High School's Culinary Arts Program, also a CTAE pathway, uses produce from Old Rucker Farm to prepare value-added products for inclusion in AGaretta Boxes.

To further support and facilitate school-based education and training around agriculture, the City should consider facilitating the establishment of a fund that can be used to assist schools within Alpharetta with the start-up costs associated with opting into the CTAE program and/or for establishing school gardens. This funding could be used to focus on implementing agricultural education at all levels K-12, creating a pipeline to careers in agriculture for Alpharetta students. Grant funding could be administered as a match to state CTAE grants or student fundraising. The City of Alpharetta can also support established programs by continuing to provide training and growing space at Old Rucker Farm and other sites (such as the Mayfield property discussed in Recommendation A-8), and by coordinating with local schools to direct volunteer resources to schools in need of assistance. Old Rucker Farm's existing educational programming could include resources and supplies for teachers starting or growing in school gardens.

The City of Perris, California, established the Grow Perris initiative in 2016 as an offshoot of its public health campaign, Live Well Perris. The initiative supports endeavors that increase access to healthy, fresh food, such as urban farms and community gardens. As part of this initiative, the City received a $50,000 USDA Farm to School Grant to create a Farm to School Framework and Action Plan in conjunction with one of the local school districts. Following completion of this plan in 2021, the Val Verde Unified School District received a further $100,000 in USDA Farm to School funding for implementation in 16 local schools, including garden expansions and agricultural education programming. The City of Alpharetta should consider pursuing joint funding with Fulton County Schools or North Fulton Young Farmers using a similar partnership model.

In addition to agricultural education, Fulton County Schools has farm to school procurement in place. The district's School Nutrition Program has been a participant in the National Farm to School Initiative for over a decade, sourcing locally grown produce for school lunches. Alpharetta High School was a previous participant in the Georgia Department of Agriculture Georgia Grown Test Kitchen program. The City should pursue plans to provide further support to the Alpharetta High School Culinary Arts Program through encouragement or recruitment of a shared commercial kitchen facility (Recommendation D-7).

RECOMMENDATION D-1:
Strengthen Educational Partnerships

TIMEFRAME:

Ongoing

ADDRESSES:

- Supporting Local Growers
- **City Initiatives and Partnerships**

LEAD:

City of Alpharetta Parks, Recreation, and Cultural Services; City of Alpharetta Economic Development

SUPPORT:

Fulton County Schools, North Fulton Young Farmers, Future Farmers of America (FFA) Chapter at Cambridge High School, USDA

STARTING STEPS:

- Reach out to existing agricultural education contacts at Fulton County Schools to determine areas where the City could be of assistance, such as providing volunteer support.
- Identify potential funding sources that could be directed towards an agricultural education fund.
- Encourage the formation of a multi-school educators network to facilitate sharing of best practices and cross-leveraging resources under the guidance of North Fulton Young Farmers leadership.

RESOURCES:

1. Fulton County Schools CTAE
2. Georgia CTAE Grants
3. USDA Farm to School Grant Program
4. Whole Kids Foundation
5. FarmLab

RECOMMENDATION D-2:
Promote Local Food through Policy and Permitting

Alpharetta's Unified Development Code is generally accommodating of agricultural practices. The Agricultural (AG) zoning district permits farmland and raising of livestock, and there are a number of parcels zoned AG distributed across Alpharetta. There are no restrictions on gardening in residential districts, and backyard chickens are permitted in single-family residential districts on lots of over one acre. In addition, community gardens are permitted in all downtown zoning districts by right. While the code as it stands does not represent a barrier to local food production, the City should consider actively incentivizing local food through the adoption of an Urban Agriculture Ordinance.

In 2020, the City of Stockton, California, adopted an Urban Agricultural Ordinance which expressly permits the keeping of hens, ducks, and bees and enables farm stands for on-site fruit and vegetable sales. The ordinance followed the City's Food and Ag Action Plan, which was completed in 2017 and included a primary objective of creating a policy environment supportive of urban agriculture. The ordinance amends Stockton's code to allow the sale of produce in open air venues such as farms, farmers markets, and farm stands. It also defines agricultural activities and facilities, community gardens, conservation areas, market gardens and urban farms, urban agriculture, and food and beverage product manufacturing as distinct uses and permits them by right in multiple zoning districts. Stockton's Urban Agricultural Ordinance also lays out clear guidelines for types of animals that can be kept and makes allowances for number of animals per square foot by land use and zoning district. Closer to home, the City of Atlanta passed an Urban Agriculture Ordinance in 2014 and a Local Farmstand Ordinance in 2021.

As an intermediary step, the City should consider a code amendment that permits open lot sale of fruit and vegetables on properties that are zoned Agricultural (AG), as this use is currently permitted only as a temporary use in non-residential districts with a limit of 45 days. The City should also consider lowering the minimum lot size for backyard chickens



and instead limit the number of hens by square footage. Many residents who provided feedback for this plan expressed an interest in beekeeping, which is not currently addressed in the Code and could be codified as a permitted accessory use in residential and agricultural districts.

Another way to support local food and agriculture is through permitting procedures. For the North Point overlay district, developers are required to follow EcoDistrict measures that are based on a point system and subject to interpretation by the Director of Community Development. Components of the EcoDistrict measures are assessed during the permitting process, which presents an opportunity to count community garden space and pollinator-friendly native landscaping towards achievement of measures such as landscaped civic space and sustainable landscaping. The City should consider assessing other areas of the permitting process that could be adjusted to facilitate local food and agriculture, such as reduced permitting fees for developments that include community garden space, or requiring simplified permitting for tree removal when homeowners of single-family properties are removing trees to provide sunlight to a garden, provided they submit documentation showing the garden plan.

RECOMMENDATION D-2:
Promote Local Food through Policy and Permitting

TIMEFRAME:

Ongoing

ADDRESSES:

- Supporting Local Growers
- Cultivating a Sense of Place
- Sustainable Stewardship
- **City Initiatives and Partnerships**

LEAD:

City of Alpharetta Community Development

SUPPORT:

City of Alpharetta Recreation, Parks, and Cultural Services

STARTING STEPS:

- Draft amendments to the Unified Development Code to permit farm stands, expand backyard chicken ordinance, and codify beekeeping.
- Conduct an audit of the zoning code, compiling amendments that will facilitate agricultural activities into a cohesive Urban Agriculture Ordinance.

RESOURCES:

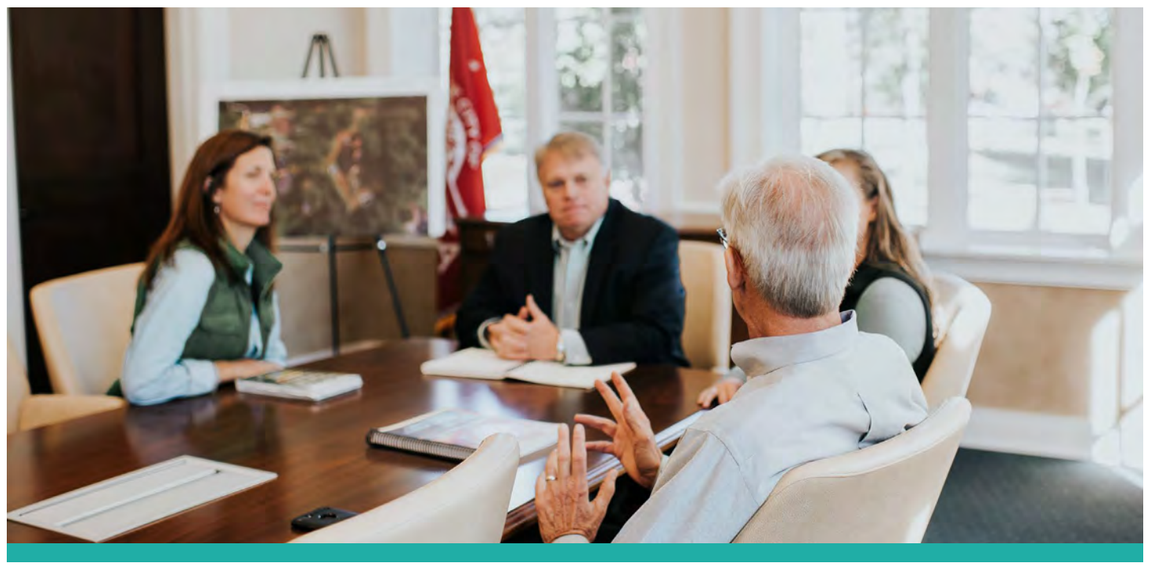
1. City of Stockton Urban Agriculture Ordinance
2. City of Stockton Food and Ag Action Plan
3. City of Atlanta Urban Agriculture Ordinance
4. North Point Overlay Regulations
5. How to Establish an Urban Agriculture Ordinance (University of Florida Extension)

RECOMMENDATION D-3:
Hold Internal City Meetings to Track Implementation and Align Food and Agriculture Goals

As part of the implementation phase of this plan, the City of Alpharetta should consider establishing a quarterly interdepartmental meeting that would bring representatives from different City departments together to track City Agriculture Plan action items and to more broadly align sustainability and local food and agriculture goals across City departments. This working group could be either an informal or a formal committee and should include some representatives from the steering committee for this plan and other staff members responsible for implementing these recommendations. It could also include representatives from organizations such as North Fulton Community Charities, which distributes produce donated through Old Rucker Farm.

The City of Seattle, Washington, has been pursuing municipal food policy since 2008, when the Seattle Local Food Action Initiative was enacted. Part of this initiative called for the creation of an interdepartmental food system team. By 2012, this team consisted of representatives from the Departments of Human Services, Parks and Recreation, Neighborhoods, Transportation, and Planning and Development, as well as staff members from the offices of Public Health and Sustainability and Environment. This team was instrumental in the preparation of Seattle's first Food Action Plan a decade ago, and the group as it stands today is coordinating the first update of that plan in 2022. In the meantime, the group has met and published progress reports expressing successful Food Action Plan implementation using measures such as pounds of food grown, dollars of fresh produce provided to low-income recipients, and number of fruit trees planted.

Convening such a group would not only offer the chance to monitor City Agriculture Plan implementation, but also ensure that the City has staff members across departments that can include food and agriculture-related initiatives in other plans, such as the City's comprehensive plan, small area plans, and park plans, as well as the Alpharetta's Wild Side program which is housed in the City's Public Works department. Dedicated quarterly meetings will allow departments to discuss and align their implementation activity and enable work to be done in a coordinated, collaborative manner.



RECOMMENDATION D-3:
Hold Internal City Meetings to Track Implementation and Align Food and Agriculture Goals

TIMEFRAME:

Ongoing

ADDRESSES:

- Supporting Local Growers
- Cultivating a Sense of Place
- Sustainable Stewardship
- **City Initiatives and Partnerships**

LEAD:

City of Alpharetta Parks, Recreation, and Cultural Services

SUPPORT:

All City Departments

STARTING STEPS:

- Designate staff members from each relevant department to be part of a food and agriculture working group.
- Set dates on the calendar for quarterly meetings.
- Develop and adjust performance metrics for action items from this plan.

RESOURCES:

1. Championing Food Systems Change in Seattle, Washington

RECOMMENDATION D-4:
Incentivize Food Businesses and Startups

Alpharetta has become known as a tech hub for its many startups and technology companies. The City has encouraged this status, establishing the Alpharetta Technology Commission in 2012, which has since become the independent Tech Alpharetta startup incubator. Alpharetta is also proactive about attracting new businesses that hire local residents. The Alpharetta Development Authority offers economic incentives to businesses that create jobs within Alpharetta through the Local Jobs Creation Incentive, which can be used in conjunction with state tax credits as an economic development tool. This incentive program provides an additional $500 tax credit for each job created in the City where a resident is hired and remains employed for at least one year. The credit prioritizes businesses that originate within Tech Alpharetta, awarding an additional $250 per job created. Although the program focuses strongly on biotechnology, the City could encourage Tech Alpharetta to seek out agricultural technology startups for incubation.

The City should consider utilizing existing economic development tools to prioritize startups and businesses related to local food, including businesses focused on agricultural innovation such as vertical agriculture and hydroponics, as well as restaurants and small businesses using locally grown ingredients. These tools could also be leveraged to attract the commercial kitchen facility described in Recommendation E-7. This recommendation would be best implemented in tandem with the local food branding program (Recommendation B-1) as part of a broader strategy to promote local food and agriculture businesses.



The Taste of Alpharetta festival is a showcase of Alpharetta's restaurants and food businesses. Photo sourced from the Atlanta Magazine website.

RECOMMENDATION D-4:
Incentivize Food Businesses and Startups

TIMEFRAME:

Ongoing

ADDRESSES:

- Supporting Local Growers
- Cultivating a Sense of Place
- **City Initiatives and Partnerships**

LEAD:

City of Alpharetta Economic Development; Alpharetta Development Authority

SUPPORT:

Tech Alpharetta, Eatzos

STARTING STEPS:

- Review the Alpharetta Economic Development Plan to identify potential actions that would benefit local food and agriculture businesses.
- Investigate the feasibility of adding an additional credit to the Local Jobs Creation Incentives for jobs that involve local food.
- Coordinate with Tech Alpharetta to host an informational event centered around agricultural technology.

RESOURCES:

1. Local Jobs Creation Incentive
2. Tech Alpharetta
3. Alpharetta Economic Development Plan
4. Planning & Policy Brief: Incentivizing the Sale of Healthy and Local Food
5. Municipal Policy Options for Healthy Food Access in Stores and Restaurants

RECOMMENDATION D-5:
Review City Landscaping and Procurement Practices

A topic that came up frequently during engagement for this plan was the responsibility of the City of Alpharetta to act as a leader and role model in terms of sustainable and locally-oriented practices and policies, specifically in the realm of landscaping and maintenance. The City should consider participation in an educational program like the free Fruitful Communities toolkit offered by Roots Down. The process begins with a forum event which educates staff, elected officials, and residents about productive urban landscapes. The process can also include a policy audit to review landscaping practices and suggest sustainable alternatives. The organization provides technical training, which could be beneficial for Alpharetta's Recreation, Parks, and Cultural Services and Public Works departments. Community Foodscapes is another organization that provides consultation on edible landscaping. The City could also consider certifying a park or greenspace that has been sustainably landscaped through the Georgia Green Landscape Stewards Program, which is a University of Georgia Extension initiative to aid in sustainable land management practices.

Another area to consider implementing sustainability measures is procurement. The City of Cleveland, Ohio, adopted a Local and Sustainable Purchasing ordinance in 2010. Through the Local Producer, Local Food Purchaser, and Sustainable Business Program, the City offers bid discounts on bid contracts and evaluation credits on service contracts to businesses that are defined as either Local Producers (headquartered in the surrounding five counties), Sustainable Businesses (must be certified sustainable by a third-party program and based in the five-county area), or Local Food Purchasers (purchasing more than 20% of food produced in the surrounding 15 counties). Some certifying organizations include Global Reporting, Carbon Disclosure Project, and Go Green Sustainability. While Alpharetta's current Procurement Policy does include a preference for local vendors, and the City has pursued green procurement practices in the past, this could be revised to add additional preferences based on sustainable practices and certifications.



Native plant landscaping at Rodney Cook Sr. Park in Atlanta. Image sourced from the HDR website.

RECOMMENDATION D-5:
Review City Landscaping and Procurement Practices

TIMEFRAME:

Ongoing

ADDRESSES:

- Supporting Local Growers
- Sustainable Stewardship
- **City Initiatives and Partnerships**

LEAD:

City of Alpharetta Finance; City of Alpharetta Recreation, Parks, and Cultural Services

SUPPORT:

City of Alpharetta Public Works; Roots Down; Community Foodscapes; UGA Extension

STARTING STEPS:

- Apply for the Roots Down Fruitful Communities program or a similar technical assistance program.
- Pursue training for Recreation, Parks,and Cultural Services and Public Works staff.
- Review the City Procurement Policy and consider adding additional preferences for vendors using sustainable practices.

RESOURCES:

1. Roots Down
2. Community Foodscapes
3. Georgia Green Landscape Stewards Program
4. City of Alpharetta Procurement Policy
5. Sustainable Purchasing Program Guidance: A Landscape Scan of Available Resources

LONG-TERM STRATEGIES

RECOMMENDATION D-6:
Create a Local Food-Friendly HOA Pilot Program

One of the key themes which emerged from the community engagement phase of this plan was the effect of homeowners association (HOA) covenants, conditions, and regulations (CC&Rs) on the ability of homeowners to grow food and engage in other activities like composting on their property. Residents who attended the Community Conversations and respondents to the resident survey indicated that HOA rules were a major barrier to growing and raising food at home, for reasons ranging from restrictions dictating solely ornamental plantings in front yards and bans on beehives and chicken coops, to complex administrative processes to request permits for landscaping changes, tree removal, or building sheds and greenhouses.

It is difficult for the City of Alpharetta to assist residents in overcoming these obstacles, as the City does not regulate HOAs. However, it does maintain contact information for HOAs that choose to register and seeks to involve these registered HOAs in decisions that affect their residents, as well as having regular meetings where HOA leaders can interact with the Mayor. The City also conducts regular Community Zoning Information Meetings (CZIM) open to all residents to provide additional information and discussion on zoning matters. The City should consider using these existing networks and communication channels to advertise a pilot program where one HOA will be selected to participate in becoming "local food-friendly." This could include amending approved plant lists to include edible plants, auditing and amending CC&Rs to make them more garden-friendly, such as allowing front yard edible gardens and composting, and/or establishing a community garden in common space. The City could provide matching funds for these efforts through FWA's grant funding for implementation of this plan. If successful, this program could continue and accept applications on an annual basis.

The City of Peoria, Arizona, is an outstanding example of municipal partnership with local HOAs. Like Alpharetta, the City of Peoria maintains a database of registered HOAs and contacts. Peoria administers two programs oriented around HOAs. The HOA Academy program provides monthly classes for HOAs centered around legal topics and best practices. Peoria's HOA Grants program provides up to $10,000 in funding dedicated towards projects that promote public safety, improve quality of life, and establish a sense of community. For the most recent cycle of grants, the City of Peoria limited applications for this grant to water conservation projects. The City of Alpharetta could use this engagement and programming as a basis for the Local Food-Friendly HOA Pilot Program, both by holding regular meetings to educate HOAs about steps they can take to make it easier for residents to grow and raise food, and through creating a grant program targeted at HOAs who take action to become local food-friendly.

RECOMMENDATION D-6:
Create a Local Food-Friendly HOA Pilot Program

TIMEFRAME:

Long-term

ADDRESSES:

- Supporting Local Growers
- Cultivating a Sense of Place
- Sustainable Stewardship
- **City Initiatives and Partnerships**

LEAD:

City of Alpharetta Community Development

SUPPORT:

City of Alpharetta Economic Development; HOAs

STARTING STEPS:

- Establish parameters for pilot program (e.g. timeline for program, requirements for participation, grant or matching amount and funding source).
- Utilize existing contacts for HOAs and meetings such as CZIMs to distribute information about the program and request applications.

RESOURCES:

1. City of Alpharetta HOA Registry
2. City of Peoria HOA Programs

RECOMMENDATION D-7:
Facilitate a Shared Commercial Kitchen Space

The City should consider attracting a commercial kitchen space that will allow small businesses to produce prepared food and value-added products. This facility could also be used for health and wellness programming, such as cooking and nutrition classes. A shared kitchen could also present opportunities to further educational partnerships, such as providing kitchen space to culinary students from Alpharetta High School, an idea that has been previously discussed as part of future plans for the Community Agriculture Program. Such a facility could also be pursued through a regional partnership with other North Fulton cities like Roswell or Johns Creek (Recommendation B-2), as the City of Roswell has existing kitchen facilities such as the culinary kitchen at East Roswell Park.

In South Carolina, the City of Florence repurposed a warehouse space as a commercial kitchen and business incubator, City Center Market and Kitchen, as part of its Local Foods Initiative. The City of Florence rents the facility by the hour for use by small businesses and food truck vendors. The space includes a variety of appliances such as meat slicers and commercial ovens. In addition to offering a space for business incubation and classes on nutrition and food preparation, City of Florence hosts their farmers market on the same property, offering a point of sale for value-added goods prepared at the kitchen and produce from local growers. The facility was financed through Tax Increment Financing (TIF) and complemented the creation of a surrounding overlay district.

A commercial kitchen would allow a local option for Alpharetta Farmers Market vendors who wish to prepare or preserve locally grown food, as there do not currently appear to be any shared kitchen spaces available within the area. Makers of sauces, jams, and other value-added products must either use home kitchens, which prevents wholesale distribution due to state licensing restrictions, or seek out commercial kitchens outside of Alpharetta. A shared commercial kitchen space could be part of a larger local food hub and provide economic opportunity for small business owners to both prepare and sell their food in Alpharetta. Such a facility could be attracted through revision of the Unified Development Code to codify commercial kitchen as a principal use permitted by right in the Light Industrial (L-I) and other appropriate zoning districts. It could also be pursued through economic development strategies.



The Florence City Center Market and Kitchen includes a space with an awning for farmers market vendors. Photo sourced from the Florence Downtown website.

RECOMMENDATION D-7:
Facilitate a Shared Commercial Kitchen Space

TIMEFRAME:

Long-term

ADDRESSES:

- Cultivating a Sense of Place
- **City Initiatives and Partnerships**

LEAD:

City of Alpharetta Recreation, Parks, and Cultural Services; City of Alpharetta Economic Development

SUPPORT:

Other North Fulton Cities; Alpharetta Business Association Board

STARTING STEPS:

- Assess current inventory of City-owned facilities and properties to determine feasibility of building out commercial kitchen space.
- Consider funding sources for the upfront costs of establishing a City-owned commercial kitchen, including funding from the North Point Tax Allocation District, Community Development Block Grant (CDBG) funding, and/or a portion of the FWA City Agriculture Plan implementation grant.
- Explore the possibility of locating the commercial kitchen as part of a broader community food hub, potentially seeking technical assistance for planning a food hub through the EPA/USDA Local Foods, Local Places program.

RESOURCES:

1. City Center Market
2. Local Foods, Local Places
3. The Role of Food Hubs in Local Food Marketing



NEXT STEPS

This plan will be submitted to the City of Alpharetta's Recreation Commission, Planning Commission, and City Council for their review, approval, and adoption. Upon adoption of the City Agriculture Plan, the implementation phase will begin. FWA is granting $75,000 in funding to assist with this process, while the City is providing matching fiscal support. FWA will remain a partner during the implementation phase, as the steering committee and relevant City departments work to prioritize and take the starting steps on the recommendations provided by this plan.

This plan's recommendations are categorized within each priority area by their status as a short-term, ongoing, or long-term prospect for implementation. Progress towards implementing all recommendations would be furthered by taking the immediate step of determining the staff members who will be part of an internal food team that meets regularly to align departmental strategies and monitor progress towards implementation, as suggested in Recommendation D-3.

Another key recommendation to address during the initial period of the implementation phase is the need for a community composting program (Recommendation C-1). This was of foremost concern for residents who provided feedback for this plan, as well as the highest priority recommendation identified by the steering committee during the planning phase. Identifying a means to implement a composting program also lays the groundwork for supporting community gardens and home growers through sustainably enhanced soil.

Finally, implementing an Urban Agriculture Ordinance and promoting local agriculture during the permitting process, as proposed in Recommendation D-2, would modify Alpharetta's Development Code to proactively encourage residents to grow and raise their own food, as well as sending a clear message to developers that community gardens and pollinator-friendly are a desirable amenity within Alpharetta.



MATRIX OF RECOMMENDATIONS

MATRIX OF RECOMMENDATIONS

	RECOMMENDATION	TIME-FRAME	LEAD	SUPPORT
PRIORITY A: SUPPORTING LOCAL GROWERS	A-1. Facilitate the Creation of a Home Growers' Cooperative	Ongoing	Alpharetta Recreation, Parks, and Cultural Services; Community Agriculture Program	Alpharetta Farmers Market; Eatzos
	A-2. Expand Farmers Market Partnership and Offer Doubled SNAP/ EBT	Ongoing	Alpharetta Business Association; City of Alpharetta Economic Development	Wholesome Wave Georgia
	A-3. Strengthen Volunteer Support for Community Gardens and Other Programs	Ongoing	Alpharetta Recreation, Parks, and Cultural Services	Alpharetta Department of Information Technology
	A-4. Include Community Garden Space in Parks	Ongoing	Alpharetta Recreation, Parks, and Cultural Services	North Fulton Master Gardeners; FWA; UGA Extension
	A-5. Provide Workshops, Trainings, and Education	Ongoing	Alpharetta Recreation, Parks, and Cultural Services; Alpharetta Business Association	Fab Food Trucks; North Fulton Master Gardeners; Local Food Advocates; 99 Plants; Green Cell
	A-6. Establish a Community Seed Library and Tool Bank	Medium-term	Alpharetta Recreation, Parks, and Cultural Services	Additional North Fulton Cities; Fulton County Library; Atlanta Community Tool Bank
	A-7. Support Existing Farms	Long-term	Alpharetta Recreation, Parks, and Cultural Services	Athens Land Trust; American Farmland Trust; Georgia NRCS; The Conservation Fund - Working Farms Fund; Additional North Fulton Cities

	RECOMMENDATION	TIME-FRAME	LEAD	SUPPORT
PRIORITY A	A-8. Expand Community Agriculture Program	Long-term	Alpharetta Recreation, Parks, and Cultural Services Community Agriculture Program	City of Alpharetta Community and Economic Development
PRIORITY B	B-1. Local Food Branding Program	Ongoing	Alpharetta Recreation, Parks, and Cultural Services	Alpharetta Business Association, Alpharetta Chamber of Commerce, Alpharetta Convention and Visitors Bureau
	B-2. Form a North Fulton Local Food Working Group	Short-term	East Point Planning & Community Development, UAC	Related officials from other participating cities, Alpharetta Convention and Visitors Bureau
PRIORITY C	C-1. Explore Community Composting Models and Pilot a Community Program	Medium-term	Alpharetta Recreation, Parks, and Cultural Services	Other garden and/or drop off site managers; Georgia Environmental Protection Department
	C-2. Support Pollinators and Pollinator Habitats	Long-term	Alpharetta Natural Resources Commission	City of Alpharetta Recreation, Parks, and Cultural Services; City of Alpharetta Public Works; Innovation Academy STEM High School; Metro Atlanta Beekeepers Association; Cambridge High School Future Farmers of America beekeepers
PRIORITY D	D-1. Strengthen Educational Partnerships	Ongoing	Alpharetta Parks, Recreation, and Cultural Services; Alpharetta Economic Development	Fulton County Schools, North Fulton Young Farmers, Future Farmers of America (FFA) Chapter at Cambridge High School, USDA
	D-2. Promote Local Food through Policy and Permitting	Ongoing	Alpharetta Community Development	Alpharetta Recreation, Parks, and Cultural Services
	D-3. Hold Internal City Meetings to Track Implementation and Align Food and Agriculture Goals	Ongoing	Alpharetta Parks, Recreation, and Cultural Services	All City Departments

	RECOMMENDATION	TIME-FRAME	LEAD	SUPPORT
PRIORITY D: CITY INITIATIVES & PARTNERSHIPS	D-4. Incentivize Food Businesses and Startups	Ongoing	Alpharetta Economic Development; Alpharetta Development Authority	Tech Alpharetta; Eatzos
	D-5. Review City Landscaping and Procurement Practices	Ongoing	Alpharetta Finance; Alpharetta Recreation, Parks, and Cultural Services	Alpharetta Public Works; Roots Down; Community Foodscapes; UGA Extension
	D-6. Create a Local Food-Friendly HOA Pilot Program	Long-term	Alpharetta Community Development	Alpharetta Economic Development; HOAs
	D-7. Facilitate a Shared Commercial Kitchen Space	Long-term	Alpharetta Recreation, Parks, and Cultural Services; Alpharetta Economic Development	Other North Fulton Cities; Alpharetta Business Association Board

APPENDIX


CITY
AGRICULTURE
PLAN
Alpharetta
City Agriculture Plan
Community Engagement Phase
Feedback Analysis
Spring 2022
FOOD WELL
ALLIANCE
THE CITY OF
ALPHARETTA
GEORGIA
ARC

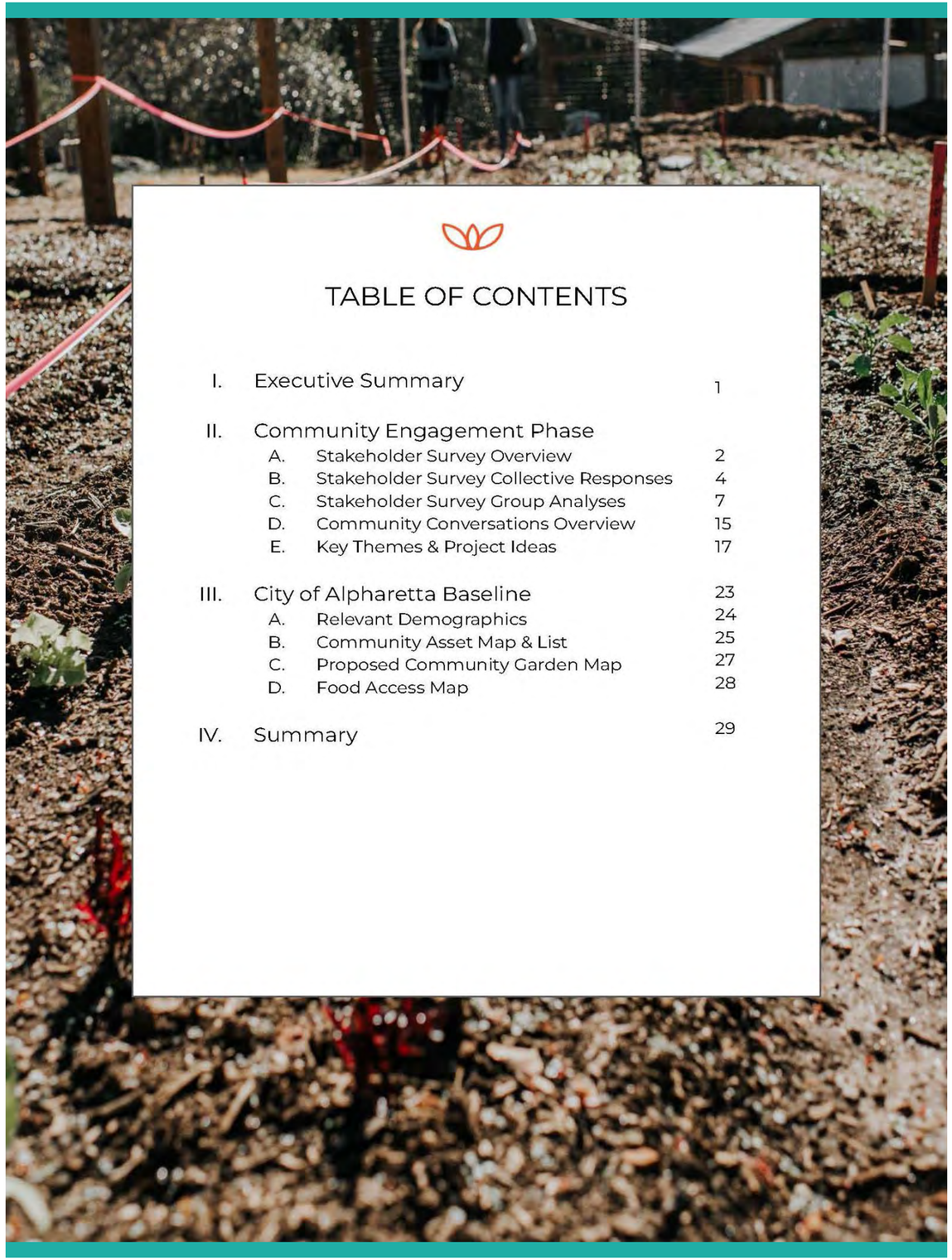


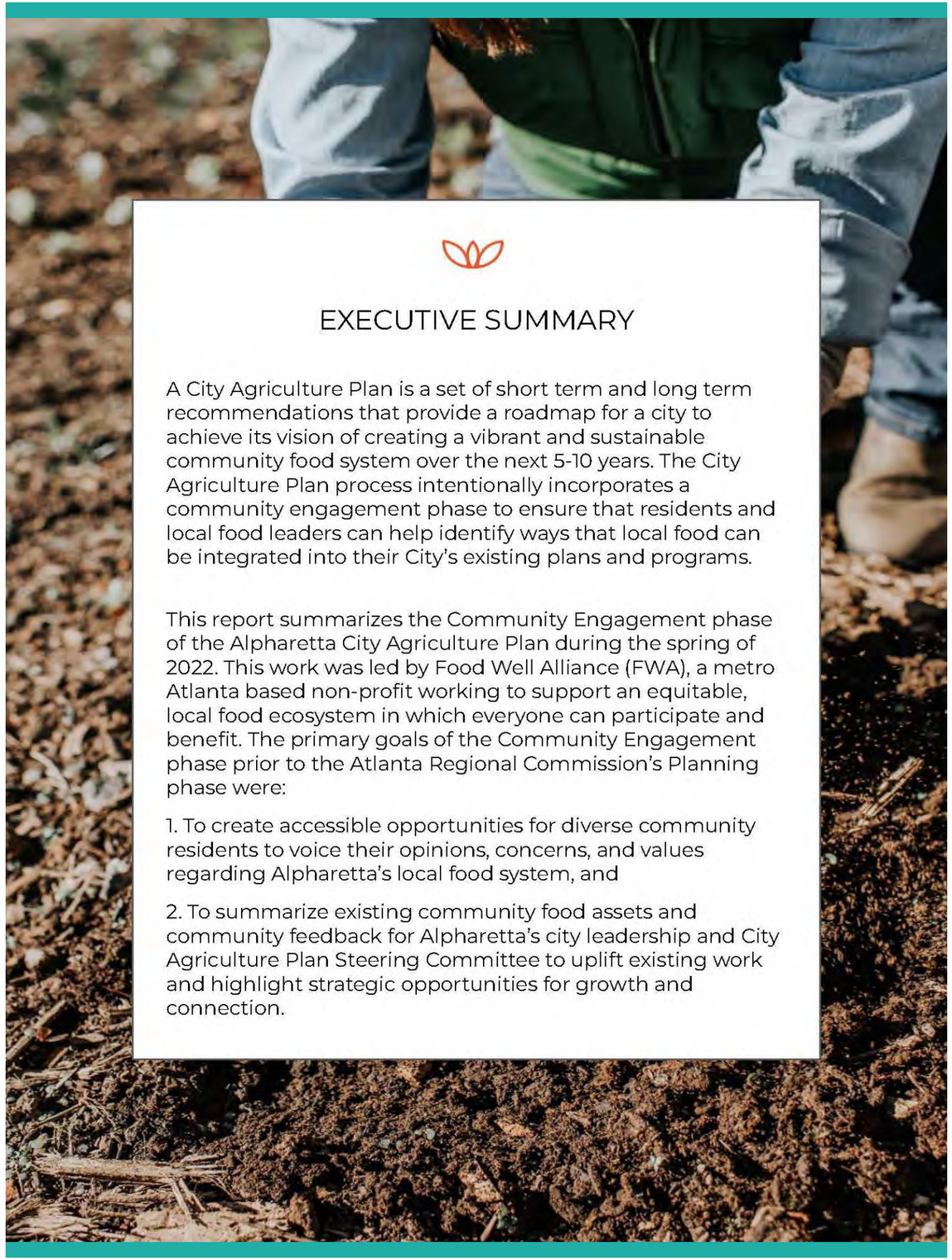
TABLE OF CONTENTS

I. Executive Summary 1

II. Community Engagement Phase
- A. Stakeholder Survey Overview 2
- B. Stakeholder Survey Collective Responses 4
- C. Stakeholder Survey Group Analyses 7
- D. Community Conversations Overview 15
- E. Key Themes & Project Ideas 17

III. City of Alpharetta Baseline 23
- A. Relevant Demographics 24
- B. Community Asset Map & List 25
- C. Proposed Community Garden Map 27
- D. Food Access Map 28

IV. Summary 29



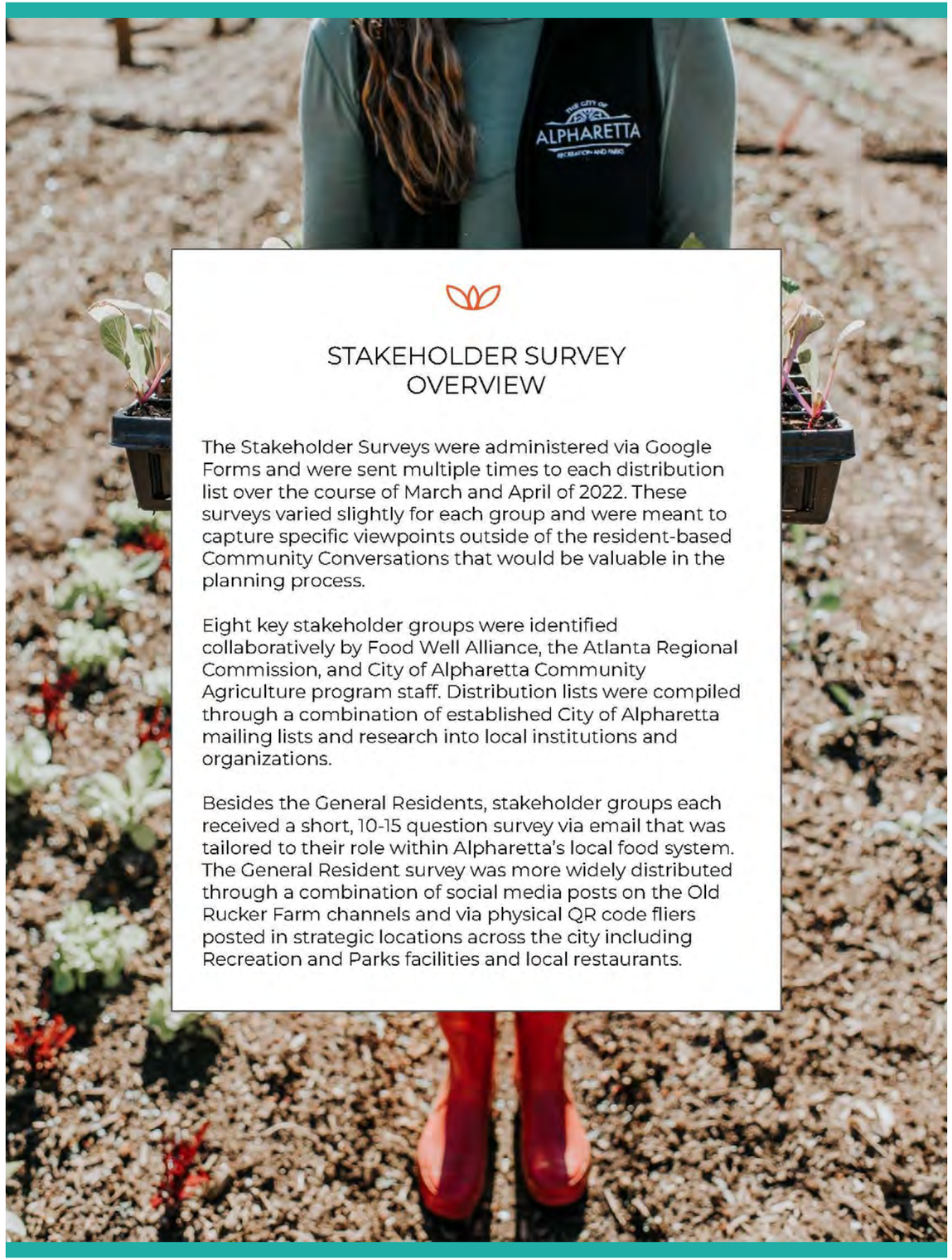
EXECUTIVE SUMMARY

A City Agriculture Plan is a set of short term and long term recommendations that provide a roadmap for a city to achieve its vision of creating a vibrant and sustainable community food system over the next 5-10 years. The City Agriculture Plan process intentionally incorporates a community engagement phase to ensure that residents and local food leaders can help identify ways that local food can be integrated into their City's existing plans and programs.

This report summarizes the Community Engagement phase of the Alpharetta City Agriculture Plan during the spring of 2022. This work was led by Food Well Alliance (FWA), a metro Atlanta based non-profit working to support an equitable, local food ecosystem in which everyone can participate and benefit. The primary goals of the Community Engagement phase prior to the Atlanta Regional Commission's Planning phase were:

1. To create accessible opportunities for diverse community residents to voice their opinions, concerns, and values regarding Alpharetta's local food system, and

2. To summarize existing community food assets and community feedback for Alpharetta's city leadership and City Agriculture Plan Steering Committee to uplift existing work and highlight strategic opportunities for growth and connection.

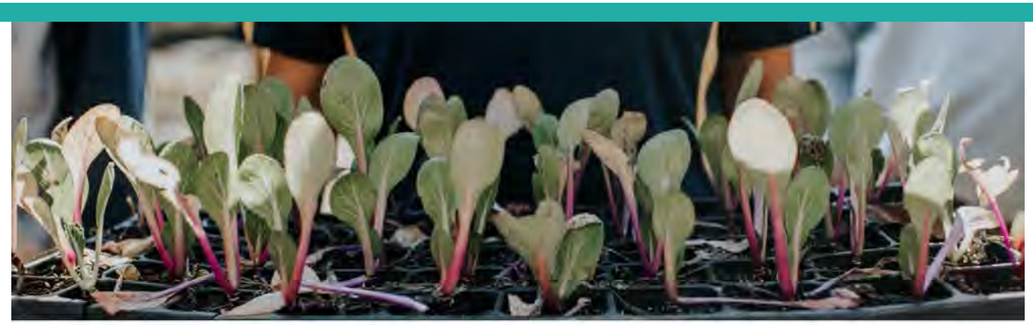


STAKEHOLDER SURVEY OVERVIEW

The Stakeholder Surveys were administered via Google Forms and were sent multiple times to each distribution list over the course of March and April of 2022. These surveys varied slightly for each group and were meant to capture specific viewpoints outside of the resident-based Community Conversations that would be valuable in the planning process.

Eight key stakeholder groups were identified collaboratively by Food Well Alliance, the Atlanta Regional Commission, and City of Alpharetta Community Agriculture program staff. Distribution lists were compiled through a combination of established City of Alpharetta mailing lists and research into local institutions and organizations.

Besides the General Residents, stakeholder groups each received a short, 10-15 question survey via email that was tailored to their role within Alpharetta's local food system. The General Resident survey was more widely distributed through a combination of social media posts on the Old Rucker Farm channels and via physical QR code fliers posted in strategic locations across the city including Recreation and Parks facilities and local restaurants.



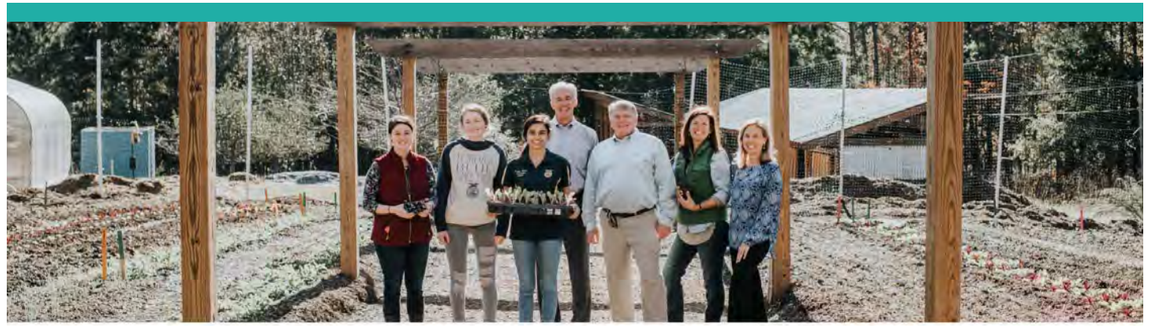
Stakeholder Survey Methodology

Stakeholder Groups & Response Rates

General Resident Distribution: n/a Responses: 72	**City Officials** Distribution: 32 Responses: 11	**Educators/Parents** Distribution: 62 Responses: 11	**Growers** Distribution: 46 Responses: 7
Food Businesses Distribution: 121 Responses: 7	**Faith Based Orgs** Distribution: 26 Responses: 2	**HOA Leaders** Distribution: n/a Responses: 0	**Farmers Market** Distribution: n/a Responses: 0

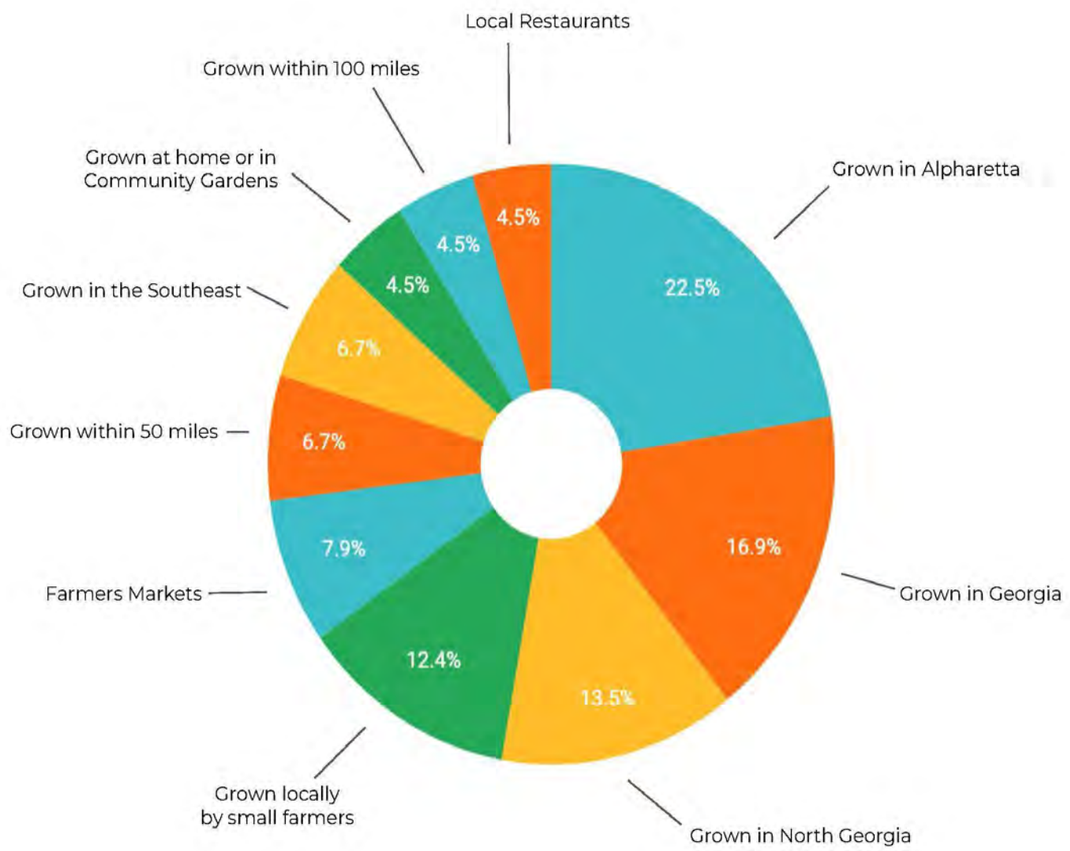
Each of the 110 stakeholder surveys contained three common questions to serve as a baseline for the community feedback:

1. **What does local food mean for you in Alpharetta?**
   This question is meant to establish a shared understanding of the parameters of planning around the "local" food system in Alpharetta. Local and regional food systems do not conform to municipal boundaries, so this feedback gives an idea of the community's view of local food and agriculture. The availability of products can vary based on proximity to local producers, accessibility to points of sale, and seasonality.
2. **What is Alpharetta doing right in terms of local food?**
   This question is meant to give insight into the community's level of familiarity with Alpharetta's current food and agricultural assets and programming. A lack of knowledge regarding ongoing work could highlight the need for more marketing efforts.
3. **What could Alpharetta do better in terms of local food?**
   This question is meant to establish a baseline for residents to share their main priorities regarding the growth and development of Alpharetta's local food system and what they would like to see more of.



Stakeholder Survey Collective Responses

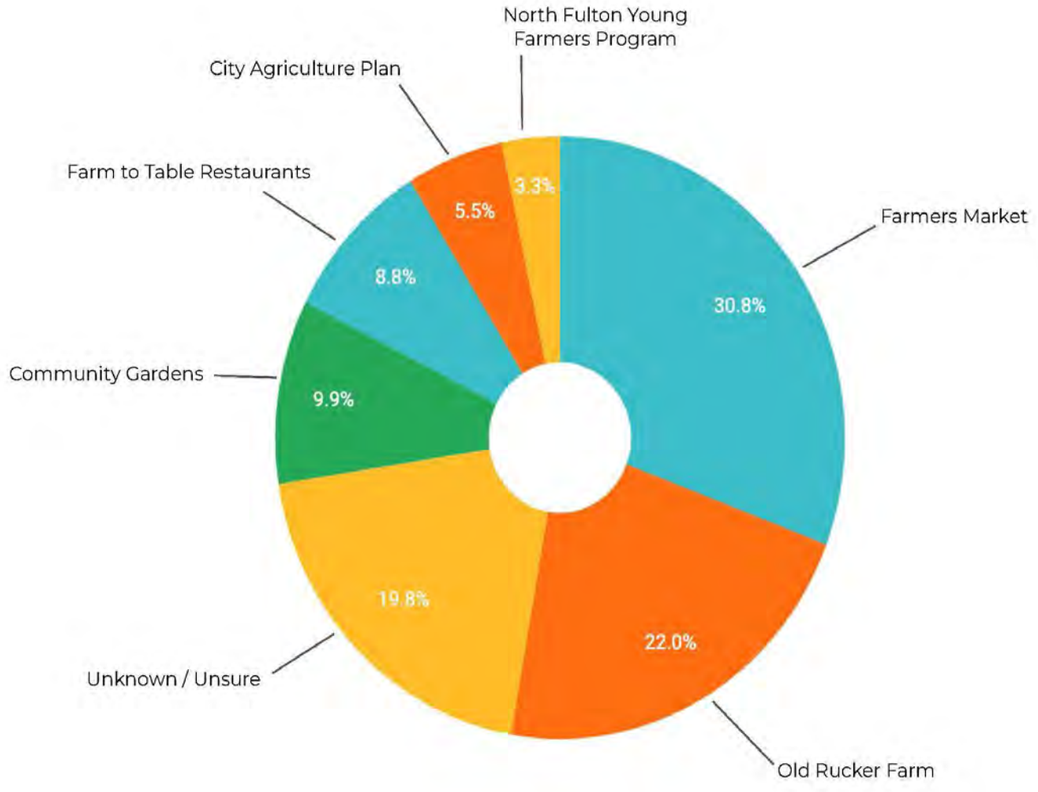
What does local food mean for you in Alpharetta?

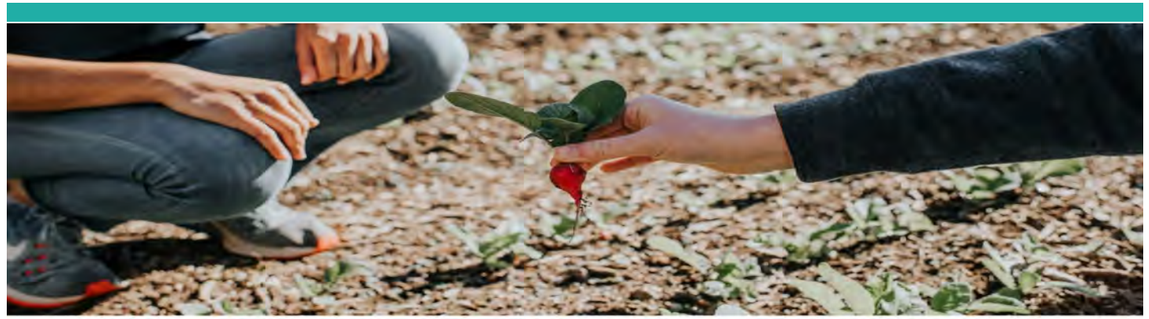




Stakeholder Survey Collective Responses

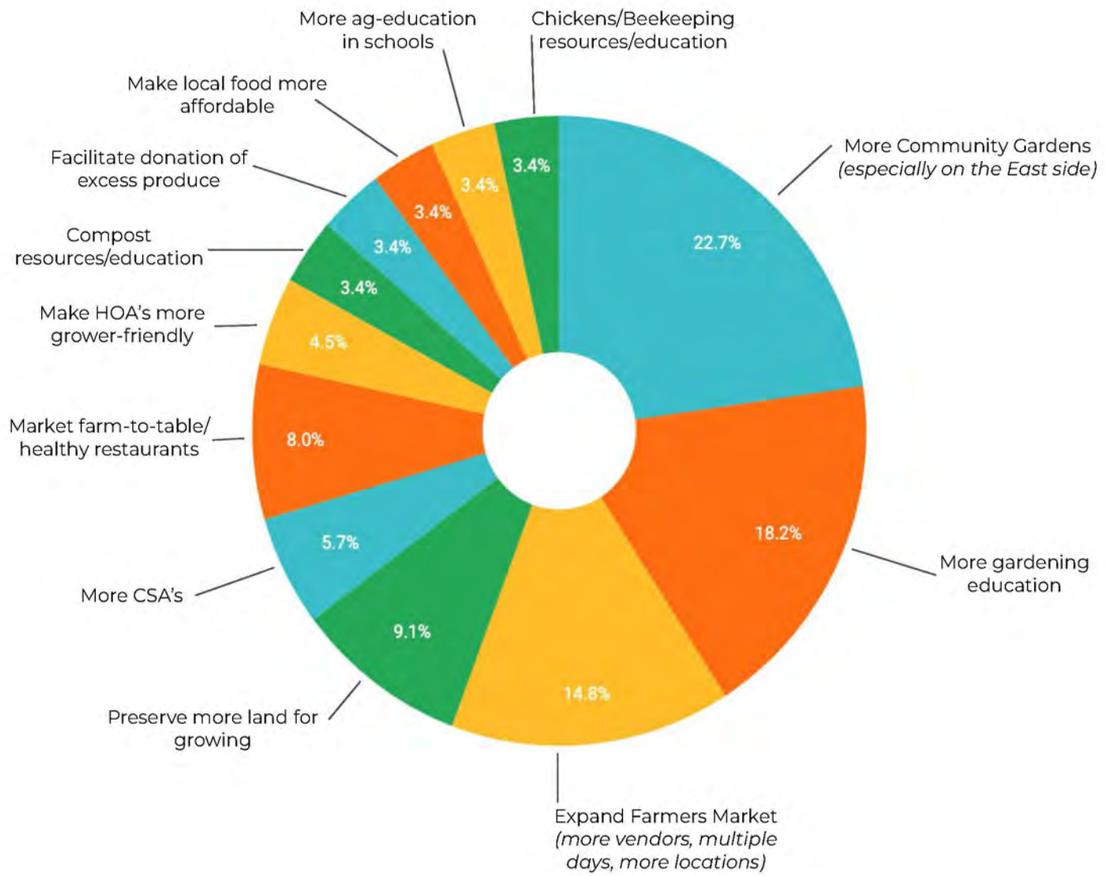
What is Alpharetta doing right in terms of local food?





Stakeholder Survey Collective Responses

What could Alpharetta be doing better in terms of local food?





General Resident Survey Response Highlights

72 Alpharetta resident responses

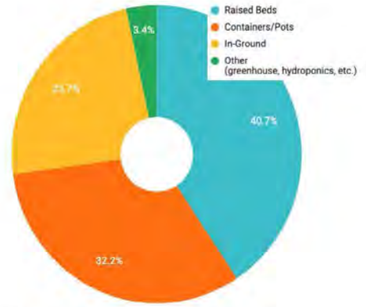
Alpharetta residents' practices at home

58.3 % Of respondents grow food at home using a variety of methods

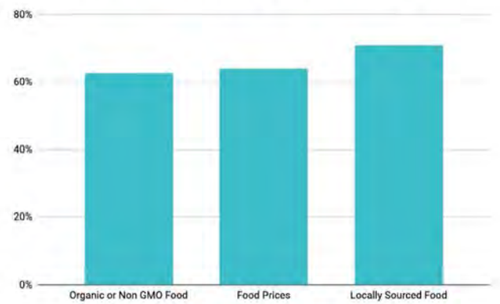
53.3 % Of respondents that grow food at home would participate in a home growers cooperative to sell or donate excess produce

20.8 % Of respondents compost food and yard waste at home using tumblers, small tubs/bins, wire structures, piles and subsurface bins

0 % Of respondents keep chickens or bees at home



What do Alpharetta residents rate as "somewhat" or "very" important in their food purchasing decisions?





General Resident Survey Response Highlights

Alpharetta residents' recommendations for the City Agriculture Plan

- Offer Community Education
  - Ensure accessibility: evening/weekend classes, in-person and virtual
  - Information on growing food, seed saving, keeping chickens, canning and preserving, food safety, packaging and selling value added products
  - Guide to restaurants and organizations that use local food
- Increase Community Food and Agriculture Resources
  - Tool lending program
  - Community commercial kitchen for processing and education
  - Land access: more community gardens, especially on the East side and at apartment complexes
  - Distribute seeds/seedlings, compost/soil amendments
  - UGA Cooperative Extension office in Alpharetta
  - Agrotourism guide
- Focus on Sustainability
  - Community-wide composting (including yard waste)
  - ARC Green Community certification
  - Limit pesticide and herbicide use
  - Increase edible and pollinator plantings throughout city
- Make Local Food More Accessible
  - Broaden Farmers Market offerings: more days, more produce vendors, better parking, multiple locations

Alpharetta residents' issues with various Homeowners Associations regarding food and agriculture

- Prevent raised beds in common areas - no ability to grow communally
- Require landscape architecture plans and permits in addition to city approval to remove trees - properties are often too shady to grow
- Limits on spacing of garden plots ie. not allowed past back corner of house
- Limits on "natural" plantings ie. preventing anything other than ornamentals in front yards
- Often prohibited:
  - Greenhouse structures
  - Fences or other barriers to keep wildlife out of gardens
  - Chickens
  - Beehives
  - Composting



General Resident Survey Quotes

"Community Gardens should be encouraged and planned, with space set aside to encourage people to come together and get back to basics and develop a passion for growing and enjoying heirloom vegetable gardens."

"I love Old Rucker Farm and despite my frustration with large developers coming into my hometown and clear-cutting lands and habitats to build fancy homes - Old Rucker farm has given me hope and I wish to see more efforts like this for the well-being of my generation and future generations"

"Provide more community gardens. At the Alpharetta Community Garden, there are many people on the waiting list to get in. The residents want to be able to garden but do not have space at home. Also encourage/support people to get involved in growing in their yards and possibly hosting those who want to garden but don't have the space."

"Local food prices at the farmers market are way too high because this is Alpharetta. Similar vendors at the Grant Park Farmers Market have much more reasonable prices for the exact same things. There are also too many vendors that don't sell grocery type foods. It's not a great place to shop for weekly food and I'd prefer the rule to be local producers only. "

"I think it may be too late to fix what could be improved. Zoning should not have changed from ag so rapidly. We moved here 10 years ago and have honestly been shocked at the level of destruction to nature that has taken place to allow development. Once it's gone, there is no going back."

"Provide a local source for the land and education for residents. Centralized so that people with the same interests can interact and learn from each other. Provide resources to have access to decent land (good sun), quality seeds, quality fertilizer and how to put the three together."

"We have such great diversity! Celebrate that with the different produce that we can grow here and flavors the global cuisines, no need to import it."

"Plant fewer ornamentals, but fruit trees and pollinator strips instead wherever Parks & Rec or construction work is done. partner with/incentivize real estate, companies and restaurants that are interested in green roofs for growing produce."



City Officials Survey Response Highlights

11 Alpharetta city official responses

81.8% Of respondents stated local food was "somewhat" or "very" important to their residents served

Issues raised by residents to city officials include:

- Limited availability of garden plots
- Space requirements for raising backyard chickens

Alpharetta City Officials' recommendations for the City Agriculture Plan

- Create a centralized or municipal composting program
- Create a strategy for recommending food/ag friendly practices for HOAs
- Connect food and agriculture efforts to other city initiatives including:
  - Greenspace preservation strategies
  - Stormwater management strategies
  - Art, music, and history programs
- Promote community education on:
  - Opportunities to donate excess food
  - Current food and ag organizations and events - increase marketing efforts
  - Local farm to table restaurants
- Work with residential and commercial developers to designate greenspace and growing space in new and existing multi-family housing, apartment buildings, office complexes, and mixed use developments
- Designate city owned land for growing including:
  - More community gardens in parks
  - More edible and pollinator friendly landscaping
- Expand agricultural education to more schools outside of Cambridge High School, focus on elementary and middle school programs to feed into established high school programs



Educators & Parents Survey Response Highlights

11 Alpharetta educator and parent responses

100% Of respondents stated food and agriculture education was "somewhat" or "very" important to them

9 Schools represented in survey

- **Cambridge High School:** garden program, compost program, uses locally sourced food
- **Cogburn Woods:** garden program, compost program, uses locally sourced food
- **New Prospect Elementary:** uses locally sourced food

Alpharetta schools' barriers to local food and agriculture programming

- Lack of staff/parent capacity to sustainably support a program
  - Have a garden club, but no succession plan for management
  - Have space for a garden, but no one available to cultivate
  - Have interested students, but no one to organize them
  - Have legacy gardening/composting programs that died out without support
- Lack of resources
  - Have a staffed and interested garden club, but no resources to expand to growing food
  - Have a garden as part of the school's "continuous improvement plan," but no immediate plans to develop



Educators & Parents Survey Response Highlights

Alpharetta educators and parents suggestions for improving food and agriculture programming in schools

- Provide assistance to schools to procure resources necessary for gardening and composting programs
  - Grants for seeds/seedlings, soil/compost, garden bed materials, small gardening tools, signage, compost bins, etc.
- Provide educational and programmatic materials
  - Toolkit for starting a school garden
  - Methods for integrating agricultural education into existing curricula
  - Information on composting methods and the science behind them
  - Planting and harvesting schedule for local varietals
- Provide assistance with management
  - Help needed to harvest and water during summer months
  - Coordinate interested educators and parents for networking and best practice sharing

"We would love funds to support these things happening in our school. We are really tight on money due to educational cuts and people to help us run these types of things. We have a "gardening club" but they don't do anything but clean up right now. The kids are really excited but our lack of resources prevent us from doing a lot."

"I don't know if the schools in Alpharetta are equipped with kitchen and personnel to prepare and cook food from scratch."

"We have to find a way to engage students as stakeholders. They have to understand the benefits of local food and agriculture and what they can do to make a difference."

"We would love to have people come talk to our students about what Alpharetta is doing in terms of agriculture. Our students have no clue where there food comes from and this would be eye opening."

"Yes! I want a garden and a composting process and have students who are interested in helping; however, I do not have adults who can take on one more thing."

"Working on a grant to build gardens in schools would be amazing. Students want to learn and love working with their hands."



Growers Survey Response Highlights

7 Alpharetta Grower responses

71.4% Of respondents felt "somewhat" or "very" disconnected from the Alpharetta local food system

42.8% Of respondents either sell products locally or donate excess produce to local organizations

Recommendations for increasing grower support in Alpharetta

- Farmers Market
  - Assistance with high booth fees
  - Allow small growers to come 1x/month and/or share booth space
  - Increase opportunities for small local sales
    - Winter covered market, additional days, additional locations
- Marketing
  - Assistance with marketing small local producers (as a collective?)
  - Highlight local organizations that do or want to procure local food
- Available growing space
  - Increase community garden plots available for interested growers
  - Work with HOAs to amend boilerplate language barring certain gardens, composting, and/or chickens and bees
  - Extend the city's community agriculture program to additional sites to help with garden/farm management and marketing
  - Adopt a more holistic approach to development - Alpharetta is losing viable green and growing space to rapid construction
- Education
  - Offer classes on farm business, marketing, processing value added products, composting, keeping chickens, bees, etc.
  - Expand agricultural programs offered in schools to create a pipeline of qualified and interested growers



Food Business Leaders Survey Response Highlights

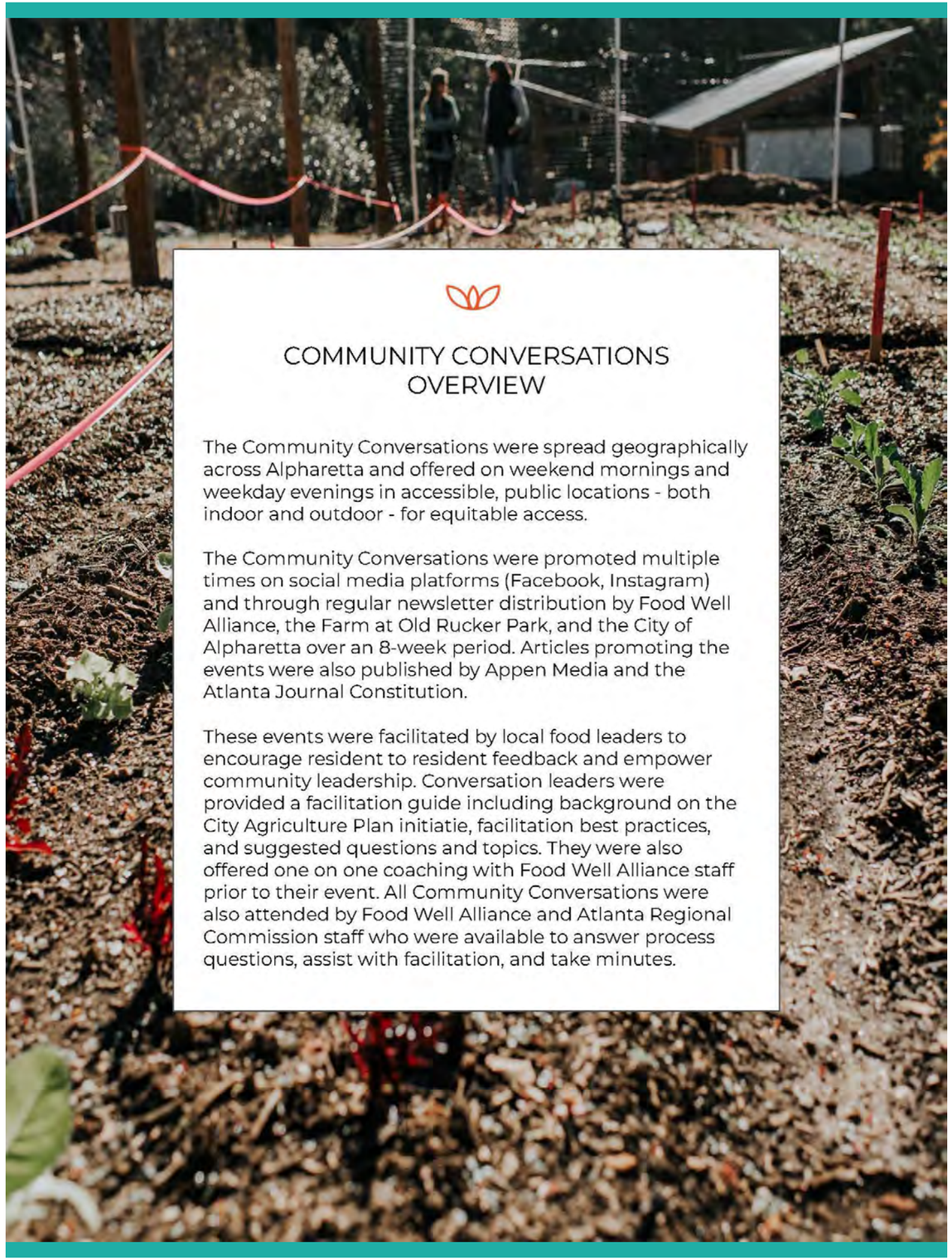
7 Alpharetta Food Business leader responses

71.4% Of respondents felt “somewhat” or “very” disconnected from the Alpharetta local food system

71.4% Of respondents stated that eating local food is “somewhat” or “very” important to their customers

Barriers to sourcing local food in Alpharetta

- Scale
  - Not enough local producers large enough to consistently satisfy commercial contracts
  - Local products less likely to be certified/inspected, quality can be less trustworthy for purchasers
- Pricing
  - Local producers cannot compete with conventional agriculture pricing - adjusting sourcing can make or break restaurant margins
- Marketing/Consumer Education
  - City of Alpharetta could assist with marketing of local food businesses that do source locally and connecting local producers with purchasers
    - Could lead the way in mandating local food procurement for certain percentages of city events/uses
  - Assist with marketing the general benefits of consuming local food, supporting local food economies, and eating seasonally
- Other suggestions
  - Municipal or centralized compost with pick up options would be useful for restaurants interested in diverting food waste from landfills
    - Need composting options that



COMMUNITY CONVERSATIONS OVERVIEW

The Community Conversations were spread geographically across Alpharetta and offered on weekend mornings and weekday evenings in accessible, public locations - both indoor and outdoor - for equitable access.

The Community Conversations were promoted multiple times on social media platforms (Facebook, Instagram) and through regular newsletter distribution by Food Well Alliance, the Farm at Old Rucker Park, and the City of Alpharetta over an 8-week period. Articles promoting the events were also published by Appen Media and the Atlanta Journal Constitution.

These events were facilitated by local food leaders to encourage resident to resident feedback and empower community leadership. Conversation leaders were provided a facilitation guide including background on the City Agriculture Plan initiatie, facilitation best practices, and suggested questions and topics. They were also offered one on one coaching with Food Well Alliance staff prior to their event. All Community Conversations were also attended by Food Well Alliance and Atlanta Regional Commission staff who were available to answer process questions, assist with facilitation, and take minutes.



Community Conversation Summary

3/19/22 Old Rucker Farm - 38 attendees

3/24/22 Preston Ridge - 8 attendees

3/26/22 Preston Ridge - 4 attendees

3/31/22 Amana Academy - 13 attendees

4/2/22 Community Center - 15 attendees

4/23/22 Old Rucker Farm - 16 attendees





Community Engagement Themes

The following pages summarize the key themes as drawn from community feedback from both the 110 Stakeholder Surveys and the 6 Community Conversations.

- Education
- Increasing Access to Locally Grown Food
- Community Connectivity and Empowerment
- Homeowners Associations
- Sustainability and Greenspaces
- Compost and Reducing Food Waste



THEME I: EDUCATION

- Expand agricultural programs at all levels of education across multiple schools and creating a pipeline for agricultural education
  - Provide guidance and support for new FFA programs at Milton High School and Alpharetta High School
- Expand curriculum tie ins
  - Research full breadth of 30+ CTAE agriculture-related pathways
- Expand opportunities for teacher training and networking
  - Establish network of interested school administrators and educators to meet regularly with guidance from North Fulton Young Farmers leadership
- Offer suite of resources to new and existing school garden and farm education programs
  - Monetary grants, garden supplies (garden bed materials, small garden tools, hoses, etc), soil and compost, seeds and seedlings, signage
- Provide educational and programmatic materials
  - Toolkit for starting a school garden
  - Information on composting methods and the science behind them
  - Planting and harvesting schedule for local varietals
- Assist with coordinating volunteers, especially for harvest and watering over the summer months

Potential Partners

- Future Farmers of America
- North Fulton Young Farmers
- Old Rucker Farm
- School programs: Alpharetta High School, Amana Academy, Cambridge High School, Cogburn Woods Elementary School, Fulton Science Academy, New Prospect Elementary School, The Lionheart Academy

"We have to find a way to engage students as stakeholders. They have to understand the benefits of local food and agriculture and what they can do to make a difference."

"Working on a grant to build gardens in schools would be amazing. Students want to learn and love working with their hands. Offering composting bins for schools would be amazing."



THEME II: INCREASING ACCESS TO LOCALLY GROWN FOOD

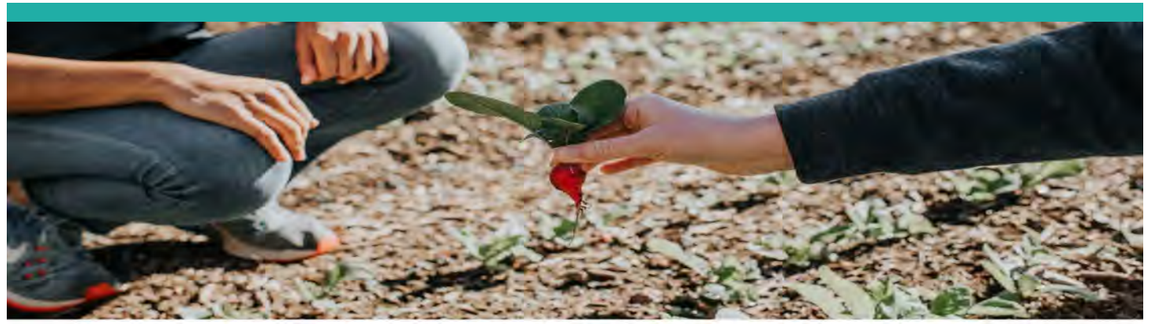
- Encourage the formation of new local food and agriculture organizations
  - City-promoted incubator for new local agriculture organizations
- Support production of local value added products
  - Explore spaces for a community food kitchen for processing and packaging of products
- Expand local food points of sale beyond Farmers Market
  - Explore creation of co-op for local food - see Living Well Farmers Market in Suwannee as a case study
  - Incentivize other food businesses, markets, and grocery stores to source and advertise locally grown food
- Expand Farmers Market offerings
  - Expand access to local food to SNAP recipients by doubling EBT at Farmers Markets
  - Recruit additional local produce vendors
  - Offer additional days, explore additional locations, consider winter market
  - To support small growers, offer assistance with booth fees and consider allowing booth rotations
- Create guide to local food in Alpharetta and assist with marketing local growers and organizations using local food and products
  - Include benefits of supporting local food economies and eating seasonally

Potential Partners

- Farmers Markets: Alpharetta Farmers Market, Halycon Farmers Market
- Farms: Old Rucker Farm, Moss Hill Farm
- Restaurants Sourcing Local Food: 7 Acre Bar & Grill, Fellows Café Local Expedition Wood-Fired Grill, Farm to Ladle, Gracious Plenty Bakery & Breakfast
- Milton's Cuisine and Cocktails, South Main Kitchen, Table & Main

"Community education on how to package and sell produce as well as local county and state regulations. A community commercial kitchen would be huge and unique."

"Bring more produce to the farmers market - offer incentives, discounts, assistance setting up tents and tables, etc, anything we can do to bring more produce to our Farmer's Market."



THEME III: COMMUNITY CONNECTIVITY & EMPOWERMENT

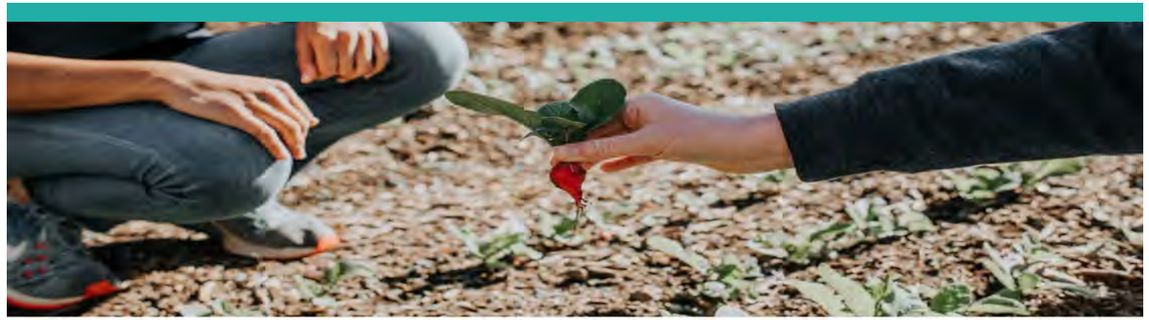
- Expand diverse volunteer opportunities related to food and agriculture
- Break down silos of work between food and agriculture organizations
- Support access to resources and training for home growers
  - Creating a community seed bank
  - Creating a community toolbank
  - Funding home growing startup toolkit including materials, resources, seedlings, etc. out of Old Rucker Farm
  - Connect home growers through cooperative model in which excess produce is pooled and distributed
- Expand community education on food and agriculture topics
  - Growing food, seed saving, keeping chickens, canning and preserving, food safety, packaging and selling value added products, etc.
- Connect City Agriculture Plan to current and future art, music, and history based programming to build community

Potential Partners

- Old Rucker Farm
- 99 Plants
- Green Cell
- City of Alpharetta
- City of Alpharetta libraries and community centers
- City of Alpharetta Arts Center

"Grower support. Provide resources to have access to decent land (good sun), quality seeds, quality fertilizer and how to put the three together."

"A few suggestions..seed bank at the library (do I really need all 100 heirloom tomato seeds that came in this packet?), more community gardens (why is Wills Park the only one?), work with HOA/apartment complexes to make garden beds possible, and the opportunity to trade (not sell) excess food."



THEME IV: HOMEOWNERS ASSOCIATIONS

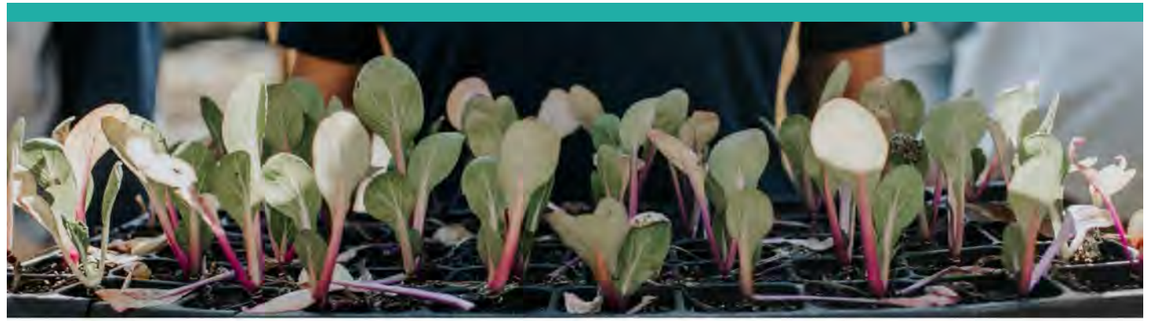
- Incentivize HOAs to allow for expanded agricultural and composting activity
- Create HOA network to share best practices for amending by-laws, supporting community gardens, expanding native/pollinator plantings in common spaces
- Propose model by-law language removing barriers to growing including
  - Allowing for raised beds or other forms of growing in common areas to encourage communal growing
  - Allowing for side and/or front yard gardens, allowing homeowners to take advantage of optimal growing spaces
  - Allow for non-ornamental plantings in side and front yards
  - Allow for well-managed composting at home
  - Consider allowances for keeping chickens and/or bees, erecting small greenhouse structures, fencing in growing spaces to exclude pests

Potential Partners

- City of Alpharetta
- Various Homeowners Associations
- Atlanta Regional Commission

"We need to encourage local HOAs to allow food gardens, and ensure close by pieces of land are turned into managed community gardens."

"Promoting growing food at home so that it is easier to justify such setup in front of HOA. Think about expanding community gardens. Maybe even handing out some native edible plants/seeds."



THEME V: SUSTAINABILITY & GREEN SPACES

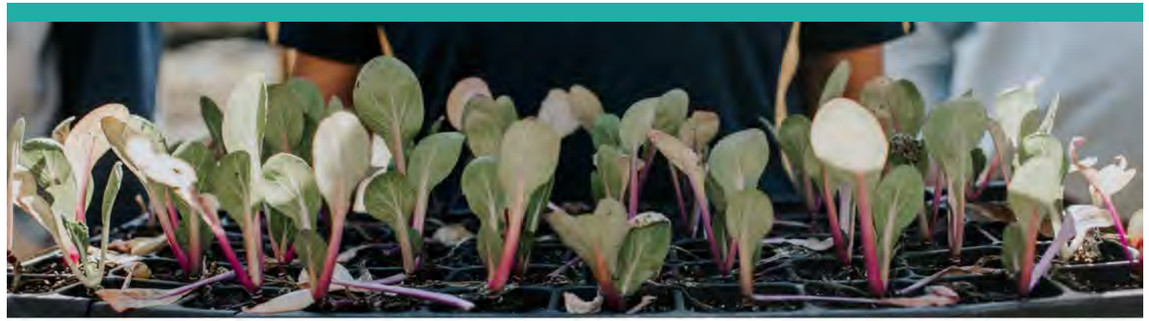
- Leverage use of passive park space for pollinator gardens and community gardens
  - Explore supporting public works training as arborists/garden managers
- Explore options for less toxic weed and pest management across the city
  - Develop integrated pest management program at city level to reduce use of herbicides, pesticides
  - Explore certification as pollinator friendly/bee friendly city
- Incentivize new and existing developments to incorporate green and growing spaces as a community amenity
- Encourage use of other public/private green spaces for growing
  - Allow native/pollinator/produce plantings as part of tree recompense program
- Explore tax incentives for preservation of land for agricultural use and/or conservation easements
  - Examine Conservation Fund's Working Farm Fund as model
- Connect City Agriculture Plan to current stormwater management strategies

Potential Partners

- City of Alpharetta
  - Alpharetta Parks and Recreation, Public Works
- New and existing developers operating with City of Alpharetta
- Mixed-use development managers
- Apartment complex managers
- Office space property managers

"We should incentivize developers to incorporate pocket gardens in their plans."

"Introduce vertical gardening, provide more food planters and containers that fit the downtown landscape look and feel. Stop building more townhouses and ensure enough land is close by for growing things for the community."



THEME VI: COMPOST & REDUCING FOOD WASTE

- Increase opportunities for community composting
- Support access to resources and education for composters of various levels
- Explore options for compost collection at recycling drop off points or other centralized locations
- Incentivize donation of excess food and/or composting of excess food waste
  - ➢ Explore partnerships with coordination/collection organizations

Potential Partners

- City of Alpharetta
- Local organizations and institutions diverting food waste: restaurants, schools, apartment complexes, hotels etc.
- CompostNow
- Concrete Jungle
- Second Helpings Atlanta
- North Fulton Community Charities
- Republic Services

"No, I do not compost at home, but I would like to incorporate. I need support through information on how to properly compost and what equipment to use."

"I want to see education on recycling and waste management with composting services for businesses and residents. The city needs to publish a sustainability report and strive to make efforts towards that."

CITY OF ALPHARETTA BASELINE

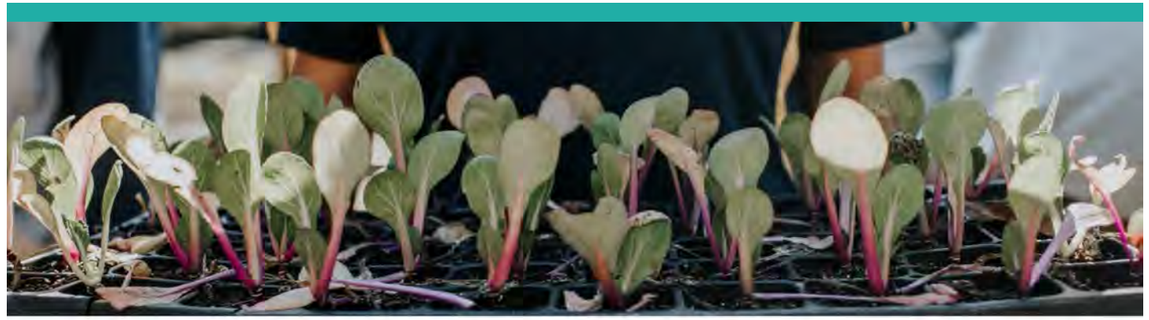
Since it was chartered in 1858 through 1980, Alpharetta was a primarily agrarian community with a quiet downtown district. Over the past 40 years, the population of Alpharetta has grown twenty-one times over from 3,000 to 66,000. That figure is projected to further increase to 83,000 by 2040, making Alpharetta one of the fastest-growing communities in the South. The city's incredible growth has been fueled by its strong economic base and annexation of surrounding areas, creating room for those looking for an ideal environment to raise families and take part in the city's quality amenities. Alpharetta is also a major employment hub with a concentrated technology sector branded as "Georgia's Connected City."

As development puts pressure on surrounding green spaces, the City of Alpharetta has set goals to "develop a land use pattern and structure that fully complements the vision of Alpharetta as a signature community in the region" as well as to "protect and nurture natural, cultural, and historic resources."

The City Agriculture Plan will be a tool to promote local food and agriculture as an additional community amenity, a means of preserving a grounded and connected local culture, and a regenerative practice to strengthen local ecosystems.







City Demographics

Population — 65, 818 Total

Age & Sex		**Race**	
< 5 years old	5.6%	White	59.5%
<18 years old	25.7%	Black	12.2%
>65 years old	10.1%	Asian	23.0%
		> Two Races	3.7%
Male/Female	50.0/50.0%	Hispanic/Latino	8.0%

Other

Veterans	1,984
Foreign-born	29.1%

Housing

Total housing units	23,958	Avg. persons per household	2.76
Single family detached	57%	Median rent	$1,464
Multi-family	30%	Owner occupied	67.7%
Townhomes	9%	Median home value	$447,400
Small multi-family (2-4 units)	4%	(Inc. by $285k 2014-2019)	

Education

High school or higher	96.7%
Bachelor's degree or higher	69.9%

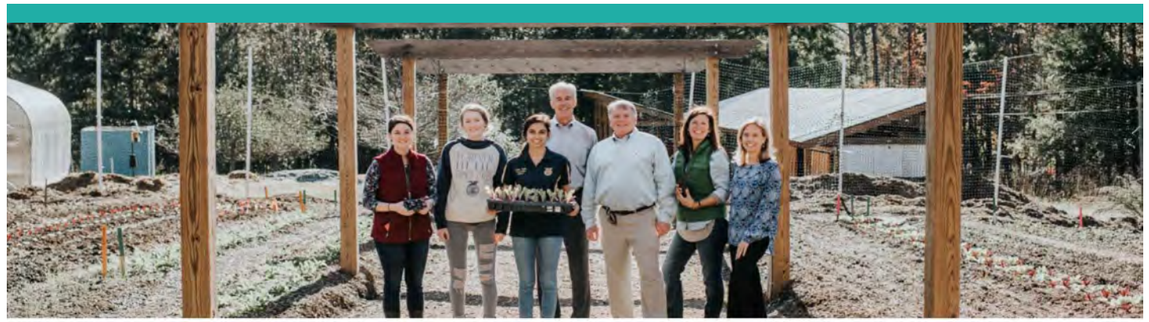
Economy

Median household income	$119.568
Persons in poverty	5.1%
>16 yo in labor force	72.0%
>16 yo female in labor force	63.1%
All businesses	9.144
Women-owned businesses	2.804
Minority-owned businesses	2,234
Office buildings >15k sq. ft.	40 (10% of metro ATL large office inventory)

Geography

Square miles	26.91
Population per sq. mi.	2,138
Parkspace	339 acres
+Big Creek Greenway	459 acres
Tree canopy	53.2%

Demographics based on 2020 US Census data & Alpharetta Comprehensive Plan - Horizon 2040







Food & Agriculture Community Assets

COMMUNITY GARDENS

Old Rucker Farm Community Garden
Wills Park Community Garden
The Atley
St. Thomas Aquinas Giving Garden & Orchard

FARMS

Old Rucker Farm
Springwood Cashmere Farm
Good Life Flower Farm
Moss Hill Farm

SCHOOL GARDENS

Cambridge High School
Cogburn Woods Elementary
Alpharetta High School
Autrey Mill Nature Preserve
Amana Academy
The Lionheart School
Fulton Science Academy

FARMERS MARKETS

Downtown Alpharetta Farmers Market
Halcyon Farmers Market

OTHER LOCAL FOOD & AG ORGANIZATIONS

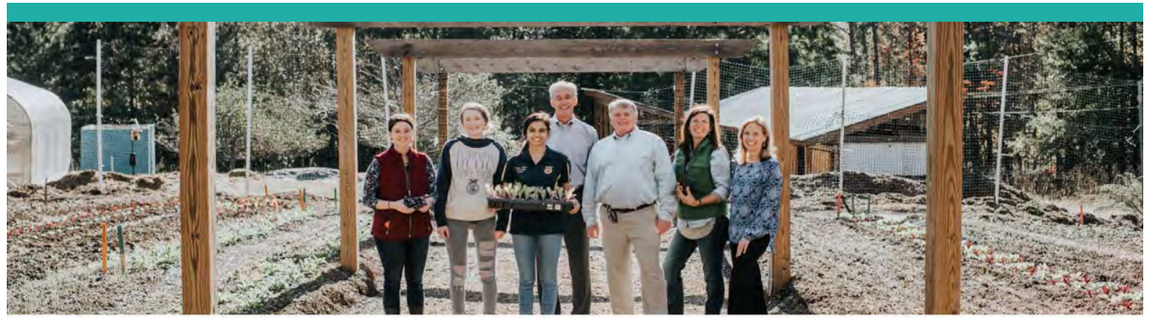
North Fulton Young Farmers
Georgia Native Plant Society
Cambridge High School FFA Chapter
Metro Atlanta Beekeepers Association (MABA)

FARM-TO-TABLE/ LOCALLY SOURCED FOOD SERVICE

Table & Main
South Main Kitchen
7 Acre Bar & Grill
Milton's Cuisine and Cocktails
Gracious Plenty Bakery & Breakfast
Fellows Café Local Expedition Wood-Fired Grill
Farm to Ladle

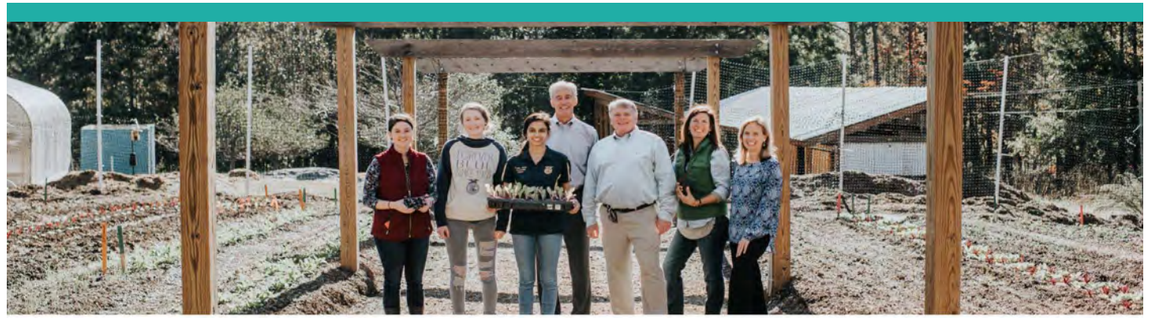
CSAs

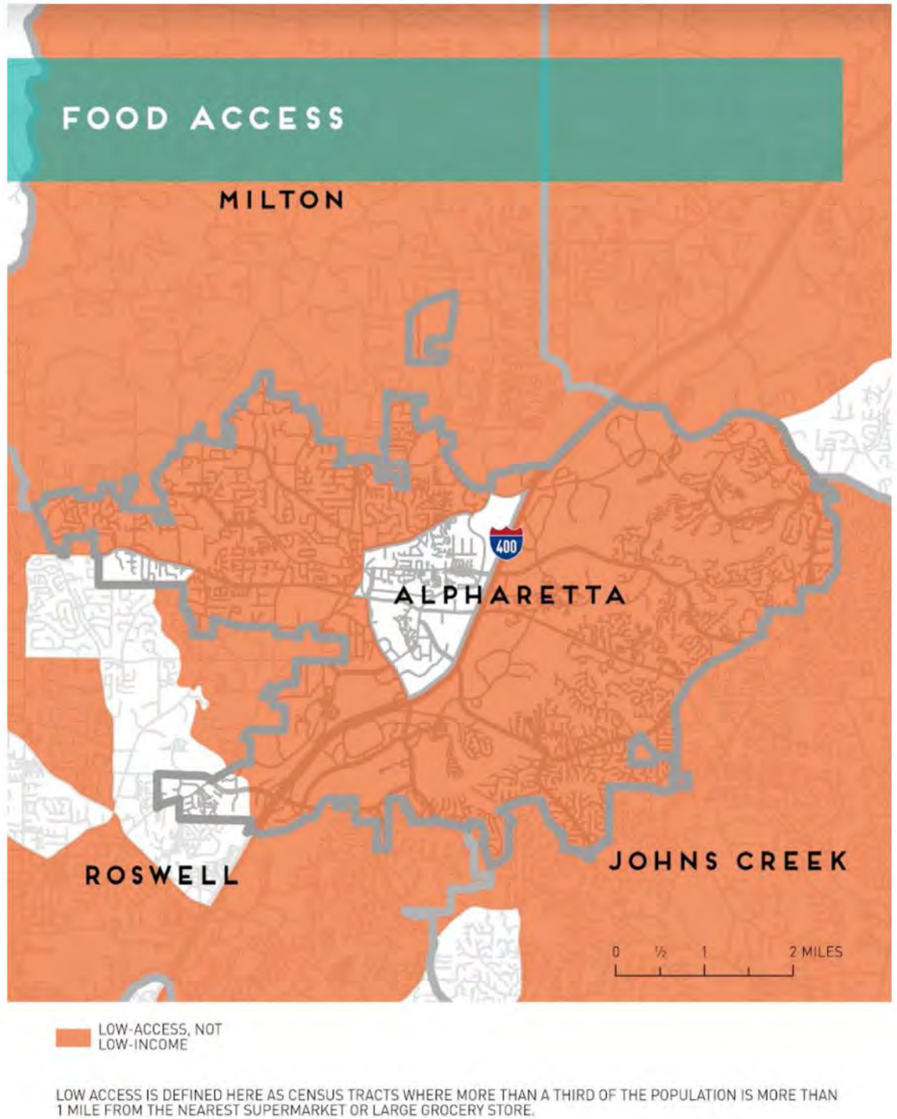
Moss Hill Farm
Old Rucker Farm Agaretta Box

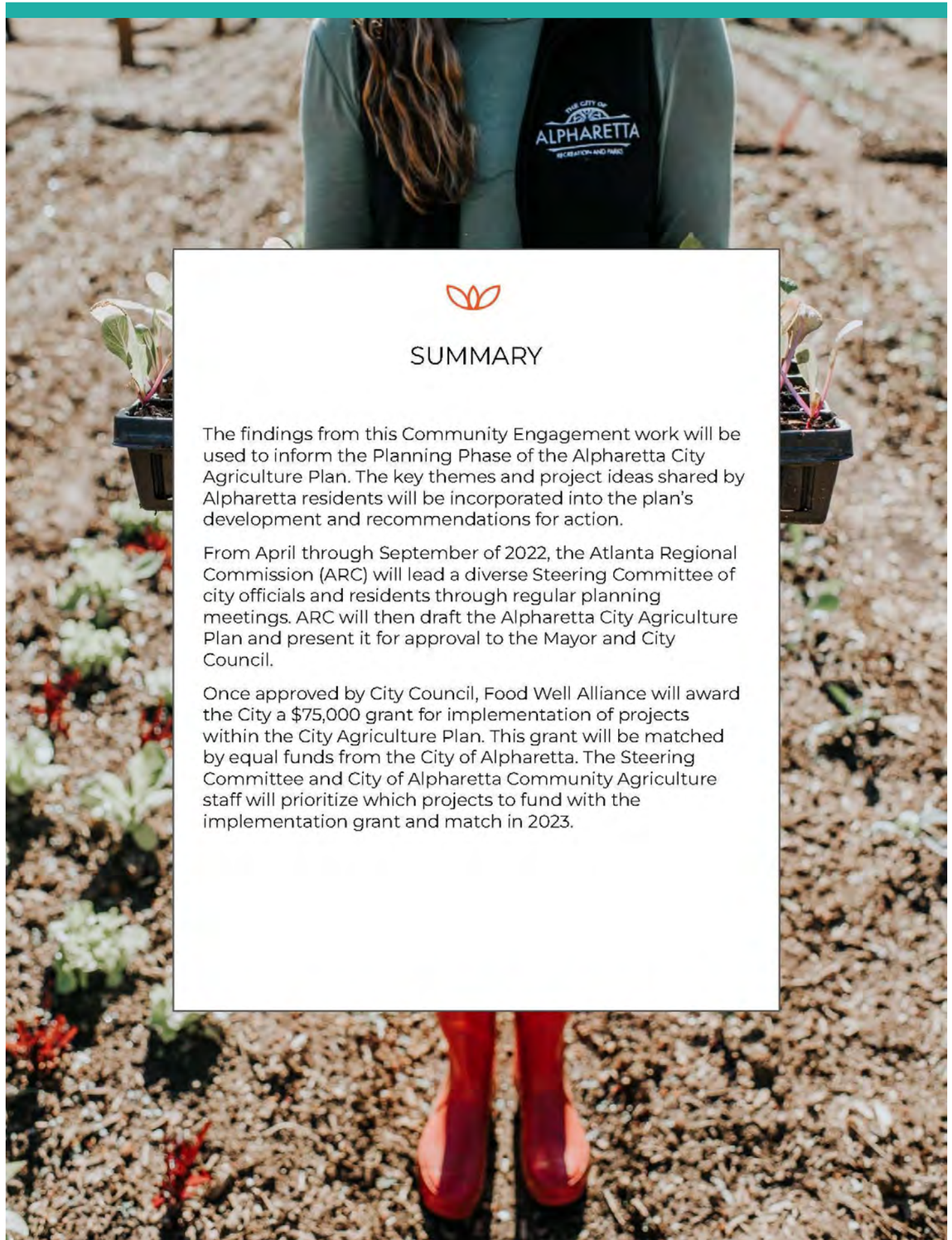




This map represents a geographic representation of proposed locations for new Community Gardens based on feedback from the 2040 Alpharetta Comprehensive Plan and the 2025 Recreation and Parks Master Plan processes.







SUMMARY

The findings from this Community Engagement work will be used to inform the Planning Phase of the Alpharetta City Agriculture Plan. The key themes and project ideas shared by Alpharetta residents will be incorporated into the plan's development and recommendations for action.

From April through September of 2022, the Atlanta Regional Commission (ARC) will lead a diverse Steering Committee of city officials and residents through regular planning meetings. ARC will then draft the Alpharetta City Agriculture Plan and present it for approval to the Mayor and City Council.

Once approved by City Council, Food Well Alliance will award the City a $75,000 grant for implementation of projects within the City Agriculture Plan. This grant will be matched by equal funds from the City of Alpharetta. The Steering Committee and City of Alpharetta Community Agriculture staff will prioritize which projects to fund with the implementation grant and match in 2023.

ALPHARETTA CITY AGRICULTURE PLAN

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF ALPHARETTA, GEORGIA, FOR THE ADOPTION OF THE ALPHARETTA CITY AGRICULTURE PLAN

WHEREAS, Food Well Alliance (FWA) is a collaborative network of local leaders working together to build thriving community gardens and farms across metro Atlanta; and

WHEREAS, the Atlanta Regional Commission (ARC) is the regional planning and intergovernmental coordination agency for the 11-county Atlanta region and develops regional and local plans to protect and manage metro Atlanta's natural and cultural resources, including local food production activities; and

WHEREAS, in January of 2022, FWA and ARC selected the City of Alpharetta to develop the region's second City Agriculture Plan based on predetermined feasibility criteria; and

WHEREAS, FWA, ARC, and the City of Alpharetta subsequently agreed to collaboratively design a City Agriculture Plan to protect, enhance, and support a resilient local food system within Alpharetta; and

WHEREAS, a City Agriculture Plan provides a roadmap for a community to achieve its vision of creating a vibrant and sustainable community food system over the next 5-10 years; and

WHEREAS, community food system refers to the place-based relationships between producers, processors, distributors, and postconsumer waste disposal of food. In contrast to conventional food systems, a community food system makes these ties visible and integrates them to enhance the environmental, economic, social, and nutritional health of a community and its residents; and

WHEREAS, strengthening and growing Alpharetta's community food system has emerged as a priority for Alpharetta residents. This plan communicates this priority and unites the existing local food community and the City government in a shared vision for local food and agriculture; and

WHEREAS, this plan builds, promotes, and sustains Alpharetta's commitment towards policies, programs, and land use practices that benefit the community food system, ensuring economic and ecological opportunity now and for future generations; and

WHEREAS, Food Well Alliance has agreed to provide funding of $75,000 for the City Agriculture Plan's implementation by community organizations located within Alpharetta, subsequent to the adoption of this plan; and

WHEREAS, the City of Alpharetta must provide matching fiscal support for the City Agriculture Plan's implementation in the amount of $75,000; and

WHEREAS, implementation shall begin upon adoption of the City Agriculture Plan.

NOW, THEREFORE, BE IT SO RESOLVED, on this ____ day of _____, 2022, by the Mayor and City Council of the City of Alpharetta that the Alpharetta City Agriculture Plan is hereby approved and adopted.

ADOPTED this _____ day of _____ 2022.

CITY OF ALPHARETTA, GEORGIA

By: _____
Jim Gilvin, Mayor

_____
Dan Merkel, Mayor Pro Tem

_____
John Hipes, Council Member

_____
Brian Will, Council Member

_____
Donald F. Mitchell, Council Member

_____
Douglas DeRito, Council Member

_____
Jason Binder, Council Member

Attest:

_____
Lauren Shapiro, City Clerk

APPROVED AS TO FORM:

_____
Molly Esswein, City Attorney

Food Well Alliance
970 Jefferson St NW, Ste. 2
Atlanta, GA 30318

Alpharetta City Agriculture Plan
Implementation Grant Agreement

Grant Recipient:	City of Alpharetta, Georgia ("Grant Recipient")
Project Name:	Alpharetta City Agriculture Plan Implementation
Primary Objective:	To improve access to local food and support local growers in Alpharetta, Georgia by implementing recommendations in the 2022 Alpharetta City Agriculture Plan.
Timeline:	To be completed by December 31, 2024
Amount Awarded:	$75,000.00
Match Funds:	$75,000.00 match from the City of Alpharetta

Grant Agreement

This Grant Agreement ("Agreement") is entered into by the City of Alpharetta, a Georgia municipal corporation ("Grant Recipient"), and Food Well Alliance, Inc., a Georgia nonprofit corporation ("Food Well Alliance") as of 12/5/2022. For good and valuable consideration, the receipt and sufficiency of which is acknowledged.

Grant Purpose

The purpose of the Grant is to implement policies and programs stemming from recommendations within the 2022 Alpharetta City Agriculture Plan approved by Alpharetta City Council on 12/5/2022. Implementation should take into consideration recommendations identified as priorities by the planning Steering Committee and related City of Alpharetta staff during 2022. Implementation activity should work towards advancing all four (4) main priority areas of the Alpharetta City Agriculture Plan:

1. Supporting Local Growers
2. Cultivating a Sense of Place
3. Sustainable Stewardship
4. City Initiatives and Partnerships

The Grant Recipient agrees to the following:

1. To implement the Grant project activities and objectives as outlined in the 2022 Alpharetta City Agriculture Plan.
2. To use the awarded funds solely for the Grant purpose as described above.
3. To provide matching funds in the amount of $75,000 to be used solely for the same Grant purpose.
4. To provide progress updates on all Grant and City Agriculture Plan implementation progress to Food Well Alliance in January of 2024 and January of 2025. Updates can be verbal or written and are not required to follow a specific format.
5. To allow documentation via photography, videography, etc. of the organization, its project collaborators, its program participants, its activities, and/or its leaders and team members during project implementation.
6. To allow Food Well Alliance to use the organization's information, activities, and successes in press releases, reports of the organization, or any of its communications materials.
7. To include Food Well Alliance in any list of contributors or supporters, signage, press releases, flyers, or any other communications related to the project.
8. To indemnify, defend [with counsel satisfactory to Food Well Alliance] and hold harmless Food Well Alliance, their affiliates, agents and employees, successors and assigns from any and all claims, demands, actions or threats of action arising out of, connected with, related to or incidental to the Grant or this Grant Agreement, to the extent allowed by law. The obligation to indemnify, defend, and hold harmless shall not extend to any claims, demands, actions or threats of action arising out of, connected with, related to or incidental to actions or inactions by Food Well Alliance, their affiliates, agents and employees, successors and assigns. Nothing contained in the Agreement shall be construed to be a waiver of Grant Recipient's sovereign immunity or any individual's qualified, good faith or official immunities. Any provision of the Agreement requiring the Grant Recipient to indemnify Food Well Alliance is only valid to the extent allowed by Georgia law. The parties hereto agree and acknowledge that the Grant Recipient is under no obligation to procure additional insurance related to the Agreement.

Food Well Alliance agrees to the following:

1. To provide the organization a Grant award totaling $75,000.
2. To answer questions and provide feedback and reasonable support during the Grant period.
3. To support the use of Grant funds as match, as needed, if applying for additional grants to support the project. Food Well Alliance may sign letters of support as appropriate.
4. To indemnify, defend [with counsel satisfactory to the Grant Recipient] and hold harmless the grant recipient, their affiliates, agents and employees, successors and assigns from any and all claims, demands, actions or threats of action arising out of, connected with, related to or incidental to the Grant, the grant program, or this Grant Agreement.

Food Well Alliance reserves the right to demand return of any and all Grant funds if the Grant Recipient does not use the funds for implementation of recommendations within or related to the 2022 Alpharetta City Agriculture Plan.

W9 Form

The Grant Recipient will submit a completed W9 form to Food Well Alliance with this Grant Agreement. Grant Recipient will be required to report Grant as income to the IRS according to how their organization reports its annual income.

Acceptance of Terms and Conditions

This Grant is conditional upon acceptance of the terms and conditions set forth herein. By signing below, the Grant Recipient agrees to accept and comply with the stated terms and conditions of this Grant.

City of Alpharetta, Georgia	**Food Well Alliance**
_____	_____
Signature	Signature
_____	_____
Name	Name
_____	_____
Title	Title
_____	_____
Date	Date