



NATURAL RESOURCES COMMISSION SEPTEMBER 20, 2016

ALPHARETTA CITY HALL
COUNCIL CHAMBERS
2 PARK PLAZA
7:00 PM

- I. CALL TO ORDER**
- II. ROLL CALL**
- III. APPROVAL OF MEETING MINUTES**

- a. August Minutes**

- IV. STAFF REPORTS**

- a. Arborist Report**

- Tree Ordinance Revisions Update and Timetable

- b. Environmental Programs**

- V. COMMITTEE REPORTS**

- a. Programs**

- NWF Wildlife Habitat Certificate Update
- Fall Events/Programs

- Litter / Adopt-A-Mile Program

- Arbor Day 2017

- b. Communications**

- VI. NEXT MEETING DATE**

- VII. ADJOURNMENT**



STAFF REPORT

Submitting Department: Recreation and Parks

Submitted By:

Meeting Date: September 20, 2016

I. AGENDA ITEM TITLE: AUGUST MINUTES

II. RECOMMENDATION:

III. REPORT IN BRIEF:

IV. ALTERNATIVES:

V. ATTACHMENTS:

NRC August Minutes

Alpharetta Natural Resources Commission

Meeting Minutes – August 23, 2016

Call to Order

A meeting of the Alpharetta Natural Resources Commission was held at City Hall on August 23, 2016. Attendees included Deb Zemlock (Chair), Howard Salk, Geri Chapple, Ben Manley, Sandra Johnson, Cat Fisher, & Barney Crooks. Staff Present: Terry Porter & David Shostak.

Approval of Minutes

Minutes from the July meeting were not accepted due to incorrect printing. A corrected copy was forwarded via email to all Commission members for review and proxy vote to accept by email. A quorum to approve the corrected July meeting minutes was received, therefore minutes approved.

Staff Reports

1. Arborist Report (David Shostak)
 - 94 permit applications submitted in July and 50 permits were issued in July
 - Tree Ordinance revision update and discussion will be conducted after program updates.
2. Environmental Programs (Terry Porter)
 - Past Programs:
 - o August 16, 2016 Community Cleanup with Clorox volunteers
 - o August 21, 2016 North Park – M. A. Center-Bird house installations
 - Upcoming Programs:
 - o August 24, 2016 Fall Vegetable Gardening
 - o September 7, 2016 Lawn Care for Fall and Winter
 - Fall schedule has been finalized.
 - A Septic Tank Workshop in partnership with Fulton County is scheduled for September 21.

Committee Reports

1. Alpharetta's Wild Side Update
 - Progress towards attaining the NWF Community Wildlife Habitat Certification is as follows: 260 total points have been achieved to date, which includes 164 residential yard certifications, 9 schools and 17 other properties.
 - Roopsha will soon be finishing her Scout project and turning over the garden that she created at New Prospect Elementary School to the school.
 - Suggestion was made that the ANRC communicate with the City Council and other City Commission members to encourage them to register their yards.
 - Upcoming Events:
 - o Sept 24 - Birding Event with the Audubon Society at Wills Park.
 - o Nov 12 - Nature Photography Workshop with Terry Guthrie at City Hall

-Tentative events include information tables at Lowes and the Farmers Market

2. Arbor Day

-Arbor Day 2017 date was tentatively set for March 4, 2017. Event location to be determined.

3. Adopt-a-Mile Program

-Planning group will meet over the next month to continue planning efforts

4. Communications

-Geri and Terry met with a potential volunteer to help with marketing efforts for ANRC programs.

-Suggestions were presented on potential marketing options for events. Potential options included Meetup website, targeted Facebook ads, Nextdoor website, and Appen ad.

-In order to move forward with these marketing efforts, members voted on each option to approve or disapprove. Results are as follows:

- Meetup (with possible \$180 annual fee) – Approved
- Targeted Facebook ad (\$25-\$50) – Approved
- Nextdoor (free) – Approved
- Appen ad (~\$300 per ad) – Denied
 - Suggested to use Appen for articles on events which include promotions

Tree Ordinance Update

-David Shostak reviewed the updates to the most recent draft of the ordinance and explained the reasoning for these updates.

-He also shared with the group one suggested change to the ordinance that has been presented for consideration. This suggested change is to give HOA's the responsibility of approving/denying tree removal permits for their own neighborhoods. This option was discussed within the group.

-David asked that if anyone had any further comments or suggestions on the latest draft of the ordinance to please forward them to him as soon as possible.

Next Meeting

Next meeting set for September 20, 2016 at City Hall

Meeting Adjourned

Alpharetta Natural Resources Commission:

<http://www.alpharetta.ga.us/government/departments/public-works/natural-resources-commission>

Alpharetta's Wild Side

<http://www.alpharetta.ga.us/government/departments/public-works/natural-resources-commission/alpharettas-wild-side>



STAFF REPORT

Submitting Department: Recreation and Parks

Submitted By:

Meeting Date: September 20, 2016

I. AGENDA ITEM TITLE: ARBORIST REPORT

II. RECOMMENDATION:

III. REPORT IN BRIEF:

Tree Permits Submitted: 111

Tree Permits Issued: 103

The Tree, Landscape, and Buffer Ordinance will be back at the first available City Council Workshop meeting in October to discuss single family residential permitting requirements and allowing dead trees to be exempt from the permitting requirements.

IV. ALTERNATIVES:

V. ATTACHMENTS:

Tree Ordinance Revision

SECTION 3.2 - TREE PROTECTION TREE PROTECTION, LANDSCAPE, AND BUFFER REQUIREMENTS

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. ~~The importance of trees is recognized for their contribution toward quality of life.~~ 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 preserve 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.

The importance of trees is recognized for their contribution toward quality of life.

- 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, except as necessary in conjunction with activities in the public interest.
 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 an Approval Letter (Permit) from the Director.
 8. Remove or prune a tree on commercial property during non-development activity unless they follow ISA industry standard protocols ~~from~~ for pruning or have written approval from the Director.
 9. Park any vehicle on the unpaved area underneath existing tree canopies.

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.

~~Basal Area. The cross-sectional area expressed in square inches, of a tree trunk at diameter breast-height (DBH) expressed herein in terms of "units" per acre.~~

Comment [DS1]: We need something in definitions and for Specimen status for non- spreading overstory trees such as conical shaped trees. We can include the smaller ones in the definition of understory trees. Pines are pines are pines this would not include deodar cedars, red cedars, etc. Thoughts?

Comment [DS2]: Need to add something about % encroachment and notification of tree owners etc.

Buffer. An area required to remain undisturbed or replanted where existing vegetation is sparse, as determined by the director. ~~pursuant to the Subdivision Regulations, the Zoning Ordinance, a condition of Zoning or this section.~~

Caliper. A standard of trunk measurement for understory or 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.

~~Certified Professional. An International Society of Arboriculture (ISA) Certified Arborist, an American Society of Consulting Arborists (ASCA) Registered Consulting Arborist, or a Registered Forester.~~

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.

Density Factor. A unit of measure used to prescribe the calculated tree coverage on a site.

Dead Tree: TO BE DETERMINED

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. ~~By way of illustration but not limitation,~~ 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 overstory tree size (for trees existing on a site). The tree trunk is measured at a height of 4 and half 4 1/2; feet above the ground. If a tree splits into multiple trunks below 4 and half 4 1/2; feet, measure the trunk 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 ~~Area~~.

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 recommendations and 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

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 parking will 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 buildup line as required by City Ordinance and Subdivision Regulations.

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 tree.

Overstory Tree. Those trees that compose the top layer or canopy of vegetation and will generally reach a mature height of greater than 40 feet and have a spreading canopy.

Permit. An official Permit for tree removal issued by the City of Alpharetta or an Approval Letter issued by the board of an active Homeowners Association.

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.

Certified 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.

Plantable Area. The pervious surface area (expressed in square footage) available for the preservation or planting of trees on a 'For-Sale' residential subdivision lot. 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.

Replacement Planting. The planting of trees on a site that before development had more trees, and after development shall have less trees per acre.

Comment [DS3]: Add this back to be more generic.

Comment [DS4]: Add this back to be more generic.

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 man-made 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.

Overstory Trees: 30-inch diameter or larger for trees in the *Liquidambar* (Sweetgum) genus

30-inch diameter or larger for trees in the *Liriodendron* (Tulip poplar) genus

20-inch diameter or larger for trees in the *Fagus* (Beech) genus

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.

–See additional requirements for Specimen Trees in Appendix A The Guidance Document

Street Tree: Any tree located or proposed to be located within the public right of way along a 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, 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 ~~an ISA-certified arborist~~ and conform to the requirements of ANSI A300

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 ~~sufficiently uniform in composition, structure, age, and condition~~ to merit special consideration as ~~and~~ an ecological feature

based upon species composition, form, structure, age, and condition. Specimen trees may be included in tree groupings.

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. Trees of Quality will be treated as specimen trees for both preservation credits and recompense, and every alternative should be evaluated to save the tree.

Tree Removal or Removal of Trees. 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 ~~or~~, 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. Guidance document provided by City with suggested plantings for the City.~~ 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. Those trees that grow beneath the overstory, and will generally reach a mature height of under less than 40 feet.

Zoning Districts. Those areas as defined in the Zoning Ordinance and shown on the Zoning Map.

~~(Ord. No. 685, 1-6-2013)~~

3.2.3 Exemptions.

A. The following shall be exempt from the provisions of this section:

1. The removal of trees with a Permit n approval letter other than specimen trees from an owner-occupied, residential lot, provided that the removal does not reduce the tree density of the lot below the minimum specified in this section; an approval letter will not be granted for the removal of specimen trees, buffer trees, or street / landscape strip trees unless the tree(s) are in declining health, as determined by a qualified professional.
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; 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. ~~a.~~ Notwithstanding the foregoing, all reasonable efforts shall be made to save specimen trees and trees of quality, and tree groupings.

~~C.b.~~ 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 area.

3.2.4 ~~Approval letter or 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 an approval letter or permit. The request for an approval letter shall be submitted to the Director in the form of a tree removal permit application through the currently accepted City process ~~and shall be, unless waived submitted to the Director,~~ in the form of a brief written narrative stating:

1. ~~The~~ The reason for the proposed work and
2. ~~Either~~ 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 report, following the currently accepted industry standards and protocols, prepared by a qualified professional outlining the condition of the trees and associated risks.

If the request for an approval letter ~~application~~ is complete, complies with the Ordinance, and requests tree removal for one of the purposes identified in Paragraph B- below, ~~t, T~~ the Director shall issue an approval letter not later than ten (10) working days from receipt of a complete request, and shall inform applicant if replanting will be required. If the request ~~application~~ is incomplete or denied, the Director shall notify applicant in writing regarding the specific reason for denial.

B. The Director shall issue an approval letter 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 etc. and that the applicable minimum tree density requirement is maintained.

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.

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) units ~~(as defined in Tables 3.1 and 3.2, Minimum Tree Density Requirements)~~ on the site not under active development;
 5. The proposed Grading Activity shall not decrease the tree density below the minimum tree density 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, as determined by the Director. In addition, the area must be visually screened from public or private roads, 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 ~~twenty (20) units~~ 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 bond shall be held for one (1) year and to the end of the succeeding Planting Season to ensure survival of the replacement trees. The applicant shall be responsible for the irrigation (watering) of trees during the period of the bond. The replanting requirements of this Section shall not apply, and the 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.

3.2.6 Application requirements.

- A. When a person applies for a Land Disturbance Permit as defined herein, such person shall ~~also file an application providing~~ provide the following information:
1. A complete tree survey and inventory, which shall contain the following information; ~~as described in subsection 3.2.8;~~

- a. The location of all trees within the area to be modified from its natural state and to a minimum of 30 feet beyond in each direction;
 - b. All Specimen Trees, Trees of Quality, Tree Groupings, Landscape Trees, and Boundary Trees with an indication whether they are to be retained or removed;
 - c. 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;
 - d. Tree Protection Zones and Tree Save Areas must be delineated on the plan;
 - e. All buffers with existing trees to be delineated on plans as Tree Save Areas. Land Disturbance within any Buffer is subject to Planning Department approval.
 - f. The tree survey and inventory shall be a to-scale map or a site plan prepared and sealed by a registered surveyor or registered engineer.
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, utilities to be installed, grading, the approximate location of all structures, driveways and curb cuts and 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, water retention location 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% 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 trees before, during and for a period of two (2) years after construction, which plan shall contain the following information:
 - a. All items found on the Arborist Checklist, Section B, located in the Arborist Guidance Document; the Erosion and Sedimentation Control Submittal checklist pertinent to normal plan review;
 - b. Existing roads, utility lines, drainage and detention facilities, and other pertinent items in the vicinity of the site. Site area (roads, utility lines, detention ponds, etc.);
 - 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 ~~Site Density Factor~~ using existing trees, replacement trees, and/or contributions to the City of Alpharetta Tree Replacement Fund (see ~~Density Factor Analysis, Appendix A and Table 3.2~~);
 - g. Locations of all existing and proposed utility lines and easements;

Comment [DS5]: Does this match the definition section.

- 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. Additional information as required on a case-by-case basis.
- n. [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 an 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.](#)

[ADD NOTES, TREE CARE PLAN \(MUST BE PREPAID PRIOR ISSUANCE OF LDP, INVOICE TO BE PROVIDED\)](#)

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.

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 there is a no net loss of tree canopy coverage 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. Minimum tree density shall be calculated and established pursuant to the formula and analysis set forth in the Guidance Document.](#)

- A. ~~The intent of these regulations is to insure that a minimum density of trees is maintained on all developed sites.~~ All sites within the City other than 'For-Sale' residential lots shall maintain ~~or achieve~~ a Minimum Tree Density of ~~130 inches~~ twenty (20) units per acre. All sites within the City other than 'For-Sale' residential lots shall maintain a minimum tree density of 20 units per acre. The term "unit" is an expression of basal area as defined herein, and is not synonymous with "tree". ~~The density requirement must be met whether or not a site had trees prior to development. The density may be achieved by counting existing trees to be preserved, planting new trees in accordance with the minimum standards of this Section Ordinance, or some combination of the two. Minimum tree density shall be calculated and established pursuant to the formula and analysis set forth in the Arborist Guidance Document. Appendix A to this Ordinance.~~ The developer shall be subject to the minimum tree density requirement set forth in this paragraph, but the developer shall base its 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 newly constructed '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 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. based upon the maximum number of trees that can be maintained within thirty percent (30%) of the lot's plantable area, taking into consideration the standards established in this Section Ordinance for tree size and separation. The density requirement must be met whether or not the individual lot had trees prior to development. The density requirement is calculated by determining lot size and deducting the impervious area, assigning the necessary root zone for trees (400 sq. ft. for Overstory trees and 200 sq. ft. for Understory trees). All 'For Sale' residential lots constructed prior to the effective date of this Ordinance are required to maintain the requirements of this Section at a twenty percent (20%) level, rather than the thirty percent (30%) requirement used for new construction. If replacement planting is required on a 'For Sale' residential lot, replacement planting shall be provided through 5" caliper trees planted in the front yard. The required trees may be used as street trees or landscape strip trees if space allows.

—If replacement planting is required on a 'For-Sale' residential lot, it is encouraged to provide a front yard tree either in the lawn area or as a replacement planting shall be provided through 5" caliper trees planted in the front yard. The required trees may be used as street trees or landscape strip trees if space allows.

- G. The density may be achieved by counting existing trees to be preserved, planting new trees according to the minimum standards of this Section Ordinance, or some combination of the two. In addition, replanting on such lots shall be at a ratio of not less than one (1) Overstory tree (minimum two-inch (2") caliper) for every three (3) Understory trees (minimum one-inch (1") caliper). No more than thirty percent (30%) of any one genus may be included in any replanting plan.
- D.C. Notwithstanding the foregoing, it is required that all reasonable efforts be made to save Specimen trees. (Reasonable efforts shall include, but not be limited to, alternate building design, building location, parking area layout, parking area location, water retention location and the like). Owners ~~Developers~~ Owners shall receive a density credit of two (2) times the inches assigned unit value for each Specimen Tree saved by utilizing an alternate design. Specimen trees that cannot be saved must be replaced with recompense planting trees having a total density equal to three (3) times the DBH unit value of the tree removed. Recompense trees shall have with a minimum four-inch (4") tree caliper. Specimen Trees removed without prior approval shall be subject to the recompense replanting requirements as described in section 3.2.10 Tree Damage replaced with recompense planting trees equal to eight (8) times the unit value DBH of the trees removed with a minimum four-inch (4") tree caliper and and subject to the applicable penalties as described in Section 3.2. 17 19.
- D. At the discretion of the Director, an owner may request a reduction in recompense plantings. The maximum reduction shall be calculated using the total DBH inches of Specimen Trees, Trees of Quality, or Groupings of Trees that are saved utilizing an approved alternative design. However, as many trees as can reasonably be expected to survive and thrive must be planted on the subject property.
- E. The intent of these Regulations is to insure that a minimum density of trees is maintained on all developed sites. Occasionally, this intent cannot be met because a project site will not bear the required density of trees. In the event that Specimen Tree Recompense cannot be achieved through planting on the subject property. To provide some alternatives in such cases, 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 contributing to the City of Alpharetta Tree Replacement Fund. The following standards have been established for administering these alternative recompense methods.
1. The following standards have been established for administering these alternative compliance methods. The director must review and approve all requests for alternative recompense compliance. In no instance shall 100% of the required site density recompense be met through these alternative methods recompense compliance. As many trees as can reasonably be expected to survive and thrive must be planted on the subject property ite in question. No permit shall be issued until the Director has approved the request and received the necessary documentation and/or funds.

Comment [YD6]: Moved to the Tree Replanting Section

Comment [DS7]: I want to leave this as Owner to allow SFR to count a Specimen as 2 times the inches.

2. ~~No permit shall be issued until the Director has approved the request and received the necessary documentation and/or funds.~~ 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. 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 donation 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 donation shall be based upon the number, size and type of trees that cannot be planted at the site. ~~The Director shall estimate the cost to the City for the materials, labor and 18 months maintenance requirements associated with the trees.~~ The amount of the recompense payment donation shall be 100% of the estimated costs of the average 3.2 bids from reputable landscape contractors, licensed to do business in the City, for the materials, installation, and care during the trees establishment period provided by the owner and reviewed and approved by the City. and labor. The funds shall be used by the City for the sole purpose of planting and maintaining trees on public property.

3.2.8 Tree survey plan and inventory.

- A. ~~A tree survey shall be provided in the form of a to-scale map or a site plan prepared and sealed by a registered surveyor or registered engineer, noting the location of all trees within the area to be modified from its natural state and twenty five feet (25') beyond in each direction.~~
- B. ~~All Specimen Trees and all trees that are to be counted toward meeting density requirements must be shown on the survey and inventoried by size (Caliper or DBH, whichever is applicable) and species. Sampling methods may be used to determine tree densities for forested areas (over five (5) acres). Specimen Trees must be shown on the plan with an indication whether they are to be retained or removed. All Tree Protection Zones and Tree Save Areas must be delineated on the plan. All Buffers with existing trees must be delineated on plans as Tree Save Areas. Land disturbance within any Buffer is subject to Planning Department approval.~~

3.2.8.14 Tree Replanting, Buffer, and Landscape replanting standards.

A. Tree Replanting

1. Unless otherwise approved by the Director, it is recommended that trees selected for replanting ~~must~~ be on the Recommended Tree Planting List. Trees selected for planting must be free from injury, pests, disease, nutritional disorders or root defects, and must be of good vigor 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, 1973) for plant material quality specifications. Reference the Manual of Woody Landscape Plants (Michael Dirr, 1983, Castle Books) or similar publication for information on tree species site requirements.
- B2. 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.

Comment [DS8]: Reference need to be updated

€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 two (2) ~~one (1)~~ caliper inches. In order to provide sufficient growing area for planted trees, the following minimum criteria must be observed unless otherwise approved by the Director.

~~1a.~~ Overstory trees—200 square feet of pervious root zone.

~~2b.~~ Understory trees—75 square feet of pervious root zone. (However, up to 30% of root zone may be impervious area.)

~~c.~~ No more than 25% of any one genus may be included in any replanting plan.

~~d.~~ A minimum of 40% of the required tree density on a site shall be met through overstory tree planting.

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 undisturbed 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 ~~(OR MUST BE PLANTED PER BUFFER PLANTING STANDARDS AS OUTLINED IN THE ARBORIST GUIDANCE DOCUMENT)~~ must meet the following standards:

a. Plant selection will consist of eighty (80) percent evergreen species and twenty (20) percent deciduous species;

b. ~~Plants~~Deciduous trees must be a minimum of 2 inch caliper ~~five (5) feet in height~~ at time of installation;

c. Evergreen trees must be a minimum of 9-10 foot tall at time of installation;

d. Shrubs must be a minimum of 3 foot tall at time of installation;

e. ~~Plant selection will consist of eighty (80) percent evergreen species and twenty (20) percent deciduous species;~~

f. Plants will be spaced a maximum of eight (88) feet on center or as approved by the Director;-

- g. Plantings shall be designed with plant pallet 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. Stream buffers must be replanted where disturbed for approved access, detention and utility crossing. Replacement plants must be native and be planted to have a natural appearance and approved by the arborist.
- 5. All buffer plantings are subject to the approval of the Director.

C. Parking Lot Landscaping Screening

- 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~~ FIND TEXT FROM DETAIL AND INSERT HERE. 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 an overstory tree have 2 required trees. 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. ADD TEXT ABOUT VISIBILITY CLEARANCE FOR SAFETY
- 2. Alternate landscape configurations may be approved if the Community Development Director determines that the alternate design exceeds the standards above. An alternate configuration could include 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 which would 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 and private right-of-ways. Main streets which are listed below shall have twenty (20) foot landscape strips, except those located within the Downtown Overlay District. Historic Business 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.
 - 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. One (1) shade tree with a minimum 4 inch caliper shall be provided for every twenty-five (25) linear feet of landscape strip. 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. The use of a combination of shade trees and ornamental trees is recommended. 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.

Shrubs and trees in quantities as specified above, shall be provided to screen all parking lots, utility areas, dumpsters and detention ponds.
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, 2 rows deep and shall provide a screen within 3 years 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, and dumpster / refuse areas, drive through areas, loading and unloading zones, etc. to screen views from the public right of way, private roads, and adjacent properties year round. Screening shall be provided in any combination of the standards below or as approved by the Director. Screening shall be provided through a double row of evergreen shrubs, 2 feet tall at planting.
 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. ~~A combination of decorative walls, fences, and landscape material may be used with the approval of the Director.~~
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.~~
~~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.

3.2.9 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. The applicant or his designee shall be advised as to the date and time of the inspection and given an opportunity to participate. 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.~~

3.2.10 Tree removal approval 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.~~

3.2.9 14 Tree Protection and Conservation sStandards.

Prior to commencement of any grading, construction, or tree removal authorized through the issuance of a land disturbance permit ~~any tree removal or commencement of construction on a site 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 25-30 feet of any proposed grading, construction or tree removal; and shall be established by physical barriers and maintained until such work is complete.

BA. 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. ~~whether the tree protection device is to be active or passive.~~
3. ~~Active protection (see Materials subsection) is required where Tree Save Areas are located in proximity to construction activity.~~
4. ~~Passive protection (see Materials subsection) may be used in more remote locations and in all protected zones not designated as Tree Save Areas.~~
35. The locations of all tree protection devices will be verified prior to the issuance of the construction permit for clearing and/or grading.
46. Once Protected Zones are established and approved, any changes are subject to Development and Inspections Department review.

CB. Materials. Tree Protection measures are to be installed as shown on the City's Tree Protection Details, available in the Arborist Guidance Document.

1. ~~Active tree protection shall consist of chain link, orange laminated plastic, wooden post and rail fencing or other equivalent restraining material. In addition to fencing, where tree trunks are in jeopardy of being damaged by equipment, the Director shall require 2 inch by 4 inch boards to be strapped around the trunks of trees. In addition, where active tree protection is required, each tree to be saved shall be marked at the base of the trunk with blue colored water-based paint.~~
2. ~~Passive protection shall consist of heavy mil. Plastic flagging, a minimum of 4 inches wide with dark letters on a bright background reading "Tree Protection Area—Do Not Enter" or equivalent signage on a continuous, durable restraint.~~

DC. Sequence of Installation and Removal. All tree protection devices shall be installed prior to any land disturbance permit authorizing tree removal. The EngineeringCommunity 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.

3.2.12 Tree protection.

- A. ~~The cleaning of equipment, storage of materials or dirt, disposal of waste material 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.~~
- B. ~~Prior to commencement of any grading, construction or tree removal authorized through the issuance of a land disturbance permit, a Tree Protection Area for any tree located within 25 feet of any proposed grading, construction or tree removal must be established by physical barriers and maintained until such work is completed.~~

3.2.10 13 Tree damage.

Any tree designated in the plan to be saved that is damaged during construction, or as a result of such construction, shall be treated according to accepted [International Society of Arboriculture Standards](#) National Arborists Association Standards, or replaced with a tree(s) equal to the [unit-valueDBH](#) of the tree removed. However, any Specimen Tree damaged as described above shall be replaced with a tree(s) eight (8) times the [unit-valueDBH](#) 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 [planting](#).

Comment [DS9]: Would rather leave this as recompense if they want to pay into the tree fund

3.2.14 Tree replanting standards.

- A. ~~Unless otherwise approved by the Director, trees selected for replanting must be on the Tree Planting List. Trees selected for planting must be free from injury, pests, disease, nutritional disorders or root defects, and must be of good vigor 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, 1973) for plant material quality specifications. Reference the Manual of Woody Landscape Plants (Michael Dirr, 1983, Castle Books) or similar publication for information on tree species site requirements.~~
- B. ~~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.~~
- C. ~~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.~~
 - 1. ~~Overstory trees—200 square feet of pervious root zone.~~
 - 2. ~~Understory trees—75 square feet of pervious root zone. (However, up to 30% of root zone may be impervious area.)~~

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. The applicant or his designee shall be advised as to the date and time of the inspection and given an opportunity to participate. 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.

3.2.12 Tree removal approval 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.

3.2. ~~13~~ **15** 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 these tree or landscapings die, be removed or be destroyed ~~within two (2) years after completion of development~~.
- 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.

3.2. ~~14~~ **16** Approval letter fee; permit fee.

The fee for review of a request for an approval letter 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.

3.2. ~~15~~ **17** Enforcement, appeals and variances.

- A. Enforcement. All requests for approval letters 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 ~~and to the Director of Community Development~~ the approval or denial of applications for Land Disturbance Permits.
- B. Appeals.
 - 1. 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.

2. 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.
3. 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~~Specimen 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).
 - 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:
 - 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.

3.2.16 18 Natural ~~resources~~ Resources commission 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 Protection Ordinance.
 - b. Tree City USA designation.
 - c. Keep America Beautiful affiliation.
- B. The Natural Resources Commission shall assist the Arborist in produceing and maintaining a list of proposed changes to the kinds and species of trees described in the Tree Planting List to this Section Ordinance. 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.

3.2.17 19 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 Ordinance shall be subject to the penalties specified herein. Each day any violation of any provision of this Section

Ordinance shall occur and each day any violation shall continue shall constitute a separate offense of this Section Ordinance.

- 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 Code Enforcement Board.
- 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 previous 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-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 is damaged or removed in violation of this Section, violators shall be subject to replacement plantings equal to one (1) times the unit value of the tree removed with a minimum two inch (2") caliper tree. If the dbh-DBH of the removed tree cannot be determined the measurement shall be taken as stated in Section 3.2.197.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.

Comment [DS10]: I think this should remain as Code Enforcement Board, but we need to check with the City Attorney about this.

TABLE 3.1 TREE DENSITY CALCULATION

A basic requirement of the Tree Conservation and Replacement Ordinance is that all applicable sites maintain a minimum tree density of 20 units per acre. The term "unit" is an expression of the Basal area (a standard forest inventory measurement), and is not synonymous with "tree".

This density requirement must be met whether or not a site had trees prior to development. The density may be achieved by counting existing trees to be preserved, planting new trees, or some combination of the two as represented by the formula.

$$SDF - EDF = RDF$$

Where:

SDF (Site Density Factor)—The minimum tree density required to be maintained on a developed site (units per acre).

EDF (Existing Density Factor)—Density of existing trees to be preserved on a site.

RDF (Replacement Density Factor)—Density of new trees to be planted on a site.

The SDF is calculated by multiplying the number of acres by andhellip;

EXAMPLE: A 2.2 acre site has a SDF of $2.2 \times 20 = 44$

The EDF is calculated by converting the diameter of individual trees to density factor units. Using Table A below does this.

EXAMPLE: A total of 15 trees will remain on the 2.2 acre site. The tree inventory is as follows:

7—12 inch diameter pines

3—14 inch diameter pines

3—18 inch diameter pines

1—21 inch diameter hickory

1—30 inch diameter oak

Converting diameters (DBH) to density units, the EDF is determined as follows:

DBH	UNITS		NO. OF TREES		TOTALS
12 inch	0.8	×	7	=	5.6
14 inch	1.2	×	3	=	3.6
18 inch	1.8	×	3	=	5.4
21 inch	2.6	×	1	=	2.6
30 inch	4.4	×	1	=	4.4
					21.6

-

See section 3.2.7.B for Tree Density Requirements and calculation for "For-Sale" residential lots.

TABLE 3.2 TREE DENSITY CONVERSION CHART Conversion of Tree Diameters (DBH) to Density Factor Units	
Tree Size (DBH)	Unit Value
2"	0
3"	0

4"	.1
5"	.1
6"	.2
7"	.2
8"	.4
9"	.4
10"	.6
11"	.6
12"	.8
13"	.8
14"	1.2
15"	1.2
16"	1.8
17"	1.8
18"	1.8
19"	1.8
20"	2.6
21"	2.6
22"	2.8
23"	2.8
24"	3.4

25"	3.4
26"	3.8
27"	3.8
28"	4.0
29"	4.0
30"	4.4
31"	4.4
32"	4.6
33"	4.6
34"	5.0
35"	5.0
36"	5.4
37"	5.4
38"	5.8
39"	5.8
40"	6.2
41"	6.2
42"	7.0
43"	7.0
44"	8.0
45"	8.0

46"	9.0
47"	9.0
48" inches or greater	10.0

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Note: DBH is rounded to nearest inch (.5 and higher to next full inch, .4 and lower is truncated to lower inch).

Note: Values for tree sizes 24 inch and greater are for trees that do not qualify as Specimen Trees and are not subject to Specimen Tree designation under Appendix A. Trees qualifying as Specimen Trees are subject to the benefits and restrictions note in the previously cited section.

The RDF is calculated by subtracting the EDF from the SDF.

EXAMPLE: $RDF = 44 - 21.6 = 22.4$

The density factor credit for each Caliper size of replacement (new) trees is shown in TABLE 3.3.

TABLE 3.3 TREE REPLACEMENT CHART

Conversion of Replacement Tree Caliper to Density Factor Units

Caliper Size (at 12 inches height)	Density Credit	Number of trees required to meet 20 units/acre standard ⁽⁴⁾
1	0	N/A
2	.4	50
3	.5	40
4	.6	33
5	.7	29
6	.8	25
7	1.0	20
8	1.1	19

Greater than 8	1.1	19
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Note: This column represents the number of trees that would need to be replanted if all one-size tree was used. This is provided for information purposes only, as it is likely that a variety of tree sizes would be used.

Tree Replacement Requirements:

1. No more than 30% of all trees planted for replacement density credit may be of any one species.
2. Seven-gallon Pine trees to be planted to meet required replacement densities must be at least one-inch (1") in Caliper and greater than or equal to four feet (4') tall.
3. Specimen Tree replacement/recompense trees must be at least four-inch (4") Caliper.

APPENDIX A—SPECIMEN TREES

Some trees on a site warrant special consideration and encouragement for conservation. These trees are referred to as Specimen Trees.

The following criteria are used by the Director to identify specimen trees.

A Specimen Tree is any tree which qualifies for special consideration for preservation due to its size, type, condition, location, or historical significance and is determined by the City Arborist, prior to development, to be in overall good health without the aid of a specialized care plan according to accepted ISA practices, and which also meets the minimum size criteria set forth below.

Size Criteria:

Pine Trees: 30-inch (30") diameter or larger.

Overstory Trees: 24-inch (24") diameter or larger.

Understory Trees: 8-inch (8") diameter or larger.

In order to encourage the conservation of Specimen Trees and the incorporation of these trees into the design of projects, additional density credit will be given for Specimen Trees, which are successfully saved by a design feature specifically designated for such purpose. Credit for any Specimen Tree thus saved would be two (2) times the assigned unit value shown in Table 3.3. The Critical Root Zone of Specimen Trees will be protected with hog-back/wire-back tree save fencing with metal support poles or as described in section 3.2.11.

If a Specimen Tree is to be removed, a plan or written document indicating the reason for the removal must be submitted to the Director.

Specimen Trees that cannot be saved (see Section 3.2.11) must be replaced with trees having three (3) times the unit value of the tree removed with a minimum four-inch (4") tree caliper by species with potentials for comparable size and quality.

Any Specimen Tree which is removed without the appropriate review and approval of the Director must be replaced by trees with a total density equal to eight (8) times the unit value of the tree removed with a minimum four-inch (4") tree caliper. Size alone will determine whether a tree was a specimen quality if the tree is removed without approval and there is no evidence of its condition. Violations will be subject to the applicable penalties as described in Section 3.2.19.

~~Specimen trees removed on "For-Sale" Residential lots not in conjunction with construction projects shall follow sections 3.2.13 and 3.2.19 for approval, replanting, and violation requirements.~~

~~APPENDIX C – TIMBER HARVEST PERMITTING~~

~~Tree cutting, clearing, or clearing and grubbing projects, which result in the sale of timber, shall conform to state law regarding payment of taxes. A Georgia Department of Revenue Form PT-283T, along with the required payment, must be submitted to the Fulton County Tax Assessor's Office within the time frame prescribed by law. Failure to do so shall be considered a violation of the Fulton County Erosion and Sedimentation Control Ordinance as well as the tax law. Call the Fulton County Tax Assessor's Office for more information.~~

- ~~• Provided documentation regarding the type of timber sale, estimated date of purchase, and estimated PT-283T submittal date when submitting plans to the Engineering Public Works Department for review.~~

~~Applications for tree cutting, clearing, or clearing and grubbing shall be in accordance with current land disturbance permit plan review procedures.~~

~~Plans and other supportive documents submitted for a land disturbance permit for tree cutting in areas greater than five (5) acres shall bear the signature of a Georgia Registered Forester.~~

~~The minimum size of plans shall be 11 × 14 inches. The maximum size shall be 24 × 36 inches.~~

~~Plans shall include the following information:~~

- ~~• Owner's name, address and phone number.~~
- ~~• Consultant's and Contractor's names, addresses and phone numbers.~~
- ~~• Location/vicinity map.~~
- ~~• Land Lot(s) and Districts(s).~~
- ~~• North Arrow.~~
- ~~• Scale (minimum 1" = 100').~~
- ~~• Closed property boundary showing bearings and distances of all property lines.~~
- ~~• Current zoning of property.~~
- ~~• Current zoning of adjacent properties.~~
- ~~• Total acreage of property and approximate acreage of area to be disturbed.~~
- ~~• 24-hour emergency contact name and phone number(s) in bold type (no smaller than 20 point type).~~
- ~~• Names of adjoining roadways.~~
- ~~• Location of and detail for the trunk exit (Co or crushed stone pad).~~
- ~~• Approximate location of the following land features:~~
 - ~~• All state waters.~~
 - ~~• Topography at 20 ft. intervals (U.S.G.S. Quadrangle Map).~~

- ~~Forest cover areas.~~
- ~~100-year floodplain.~~
- ~~Wetlands.~~
- ~~Limits of land disturbance.~~
- ~~Approximate locations and dimensions of any logging decks.~~
- ~~Location of any state water buffers (dimension 25 ft. undisturbed zones from the top of each bank).~~
- ~~Location of Streamside Management Zone (dimension required width).~~
- ~~Approximate locations of any haul roads.~~
- ~~Approximate locations of any stream crossings showing approximate width of crossing (bank to bank) and method of sediment control (rock riprap or culvert).~~
- ~~Approximate locations of any historical features including cemeteries; or, a note indicating the absence of such on the site.~~
- ~~Delineation and labeling of any required buffer zones around the perimeter of the property.~~
- ~~A detail of the method to be used to delineate all buffers on the site.~~
- ~~Expected time frame in which the operation will occur.~~
- ~~Additional information as may be required by City of Alpharetta staff to perform a proper review of the project and assure that the intent of the Soil and Erosion and Sediment Control Ordinance is met.~~

The Following Notes:

- ~~The City of Alpharetta Engineering/Public Works Department reserves the right to require additional erosion and sedimentation control measures deemed necessary.~~
 - ~~The contractor shall implement all Best Management Practices for forestry as prescribed by the Georgia Forestry Commission and the U.S. Environment Protection Agency.~~
 - ~~No trees may be cut in buffer zones marked "undisturbed." Tree cutting shall be limited to the non-mechanical removal of pine (Pinus spp.) or yellow-poplar (Liriodendron tulipifera) trees with stump diameters greater than fifteen (15) inches; provided that a minimum of fifty (50) square feet of basal area remains in good condition in the buffer area at completion of the project. The non-mechanical removal of dead, diseased or insect infested trees is also allowed in this buffer (subject to verification by the City of Alpharetta Arborist).~~
 - ~~All buffers of state waters shall remain undisturbed except for haul road crossing points.~~
 - ~~Projects, which are restricted to a "Residential Thinning", must leave a minimum density of thirty (30) square feet of basal area throughout all areas not designated as buffers or logging decks. Trees to be preserved to meet this requirement must be identifiable both before and after the harvest either by species or by a continuous marking around the trunk at 4.5 feet and at .5 feet above the ground. These trees must be left in good condition with no injuries to the trunk, crown or root system, which would predispose them to disease or pest infestation.~~
- ~~—All pine logging slash with stems larger than five (5) inches in diameter shall be chipped and returned to the site or removed from the site to reduce the possibility of insect infestation.~~

- Logging decks, temporary haul roads, skid trails and any other disturbed areas left idle for two to four weeks will be restored to their contours and established to temporary vegetation (DsD). These disturbed areas left idle for four weeks or more will be established to permanent vegetation (Ds3). All areas remaining at the end of the project will be established to permanent vegetation within two weeks.

- When hand planting, mulch (hay or straw) should be uniformly spread over seeded area within 24 hours of seeding.

- During unstable growing seasons, mulch will be used as a temporary cover (Ds1). On slopes that are 4:1 or steeper, mulch will be anchored.

- The City of Alpharetta Land Disturbance Permit must be displayed on site at all times during the project operation and in plain view from an adjacent county road or street.

Before any activity can begin an inspection must be performed for basal area confirmation, erosion control devices and buffer area delineation. At this time, the contractor must show a current City of Alpharetta business license or registration certificate. At completion of the project, a final inspection must be performed.



STAFF REPORT

Submitting Department: Recreation and Parks

Submitted By:

Meeting Date: September 20, 2016

I. AGENDA ITEM TITLE: ENVIRONMENTAL PROGRAMS

II. RECOMMENDATION:

III. REPORT IN BRIEF:

Past								Programs:
August		24-		Fall		Vegetable		Gardening
September	7-	Lawn	Care	for	Fall	and		Winter
Upcoming								Programs:
September	21-	Septic	Tank	Workshop	for			Homeowners
September	24-	Audubon	Birding	Walk	and			Talk
September		28-		Shade				Gardening
October			8-					Composting
October 15-								
Rivers Alive								

IV. ALTERNATIVES:

V. ATTACHMENTS:

Environmental Programs Report

Alpharetta Natural Resources Commission

Public meeting September 20, 2016

Environmental Programs Coordinator report – Terry Porter

Past Programs:

August 24	Fall Vegetable Gardening
September 7	Lawn Care for Fall and Winter

Upcoming Programs:

September 21	Septic Tank Workshop for Homeowners
September 24	Audubon Birding Walk and Talk
September 28	Shade Gardening
October 8	Composting
October 15	Rivers Alive