

TREE CONDITION STUDY

KIMBALL BRIDGE @
NORTHPOINT PARKWAY
ALPHARETTA GA
PROJECT: 1932

Prepared for:

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SPECIMEN TREE STUDY

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ASSIGNMENT

Analyze structural and physiological condition of hardwoods 24" DBH and greater, and pines 30" DBH and greater. Document problems that affect tree health and long-term viability. Document developing issues that affect the status of these trees as *Specimen* class trees.

BACKGROUND

Site visit and inspection occurred February 4, 2015

A property survey, including property boundaries, major features, and located trees, was provided to me in preparation of the assignment. Because the condition of trees may affect the design of the site, it is critical during the planning phase to have an understanding of the condition of each tree.

DISCLOSURE

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments and mitigation cannot be guaranteed. Clients may choose to accept or disregard the recommendations of the arborists, or to seek additional advice.

METHODOLOGY

INVENTORY

The entire site was traversed to locate each inventoried tree.

An inspection of each subject tree was conducted, using visual techniques and basic instruments standard for arboricultural inspection. The buttress roots, trunk, limbs, branches, twigs, leaves, and surrounding environment of each tree were reviewed.

Please refer to the Appendix for the results of the inventory. The table below defines the data gathered for each field of information:

ID	<p>Prior to my site visit, each tree had been assigned a unique serial number (by others) with a corresponding stamped aluminum tag affixed to the trunk of the tree. The numbering is not sequential.</p> <p>Four additional specimen-size trees are identified by numbers assigned for this report, #201-204. These had not been marked in the field prior to my visit.</p>
Species	North American common name is used for the tree
Size	Diameter at breast height (approximately 4.5') or diameter at narrowest point below stem splits was measured using a Lufkin Forestry diameter tape. General methodology follows that of the City of Alpharetta recommendations.
Condition	<p>An overall condition was assigned based on tree vigor and structural conditions at the time of inspection.</p> <ul style="list-style-type: none">• Good - tree health is vigorous and structure is not problematic. Minor issues can be easily mitigated.• Fair – tree health may not be optimal and some stress may be present. Some structural problems might be present. Minor issues require attention.• Poor – tree vigor is not optimal, tree is stressed or possibly in a slow gradual decline. Tree structure is likely below average. Severe structural problem may exist. Tree may have less than 10 years of useful life.• Dead – Tree is dead.• Declining – Death is imminent, or useful life expectancy will end, within 15 years.
Status	Opinion as to whether the tree meets Specimen Tree criteria
Pathology	Diagnosis of any significant active pathologies
Form	General shape or structural classification of the tree and canopy
Comments	Narrative description of pertinent observations
Recommendation	Recommendations if needed or required

DISCUSSION

The condition of the trees on this parcel are average for a typical urban woodland.

The following criteria are used by the City of Alpharetta administrator to identify specimen trees. Both the size and condition criteria must be met for a tree to qualify.

Size Criteria

- Overstory Trees: 24-inches diameter or larger, pines 30-inches or larger
- Understory Trees: 8-inches diameter or larger

Condition Criteria

- Life expectancy of greater than fifteen (15) years
- Relatively sound and solid trunk with no extensive decay
- No more than one major and several minor dead limbs (hardwoods only).
- No major insect or pathological problem.

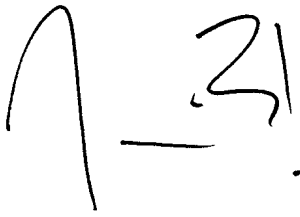
RECOMMENDATIONS

The information on forthcoming land surveys for submittal should be updated to reflect the tree sizes and species verifications made in the field. **Eleven (11) of the trees identified in the field clearly appear to meet specimen criteria (both on-site and boundary trees):**

#201, 202, 203, 204, 635, 637, 639, 769, 770, 771 & 773

CERTIFICATION

I certify that all of the statements made in this report are true, complete and correct to the best of my knowledge and belief, and are made in good faith.



Jesse Milton
Consulting Arborist
Board Certified Master Arborist, ISA # SO-1170B

February 5, 2015

ID: 201

Species: Tulip poplar

Status: **Specimen**

Size: 25

Condition: Fair

Pathology:

Form: Single

Comment: no significant problems

Recommend:



ID: 202

Species: Elm, slippery

Status: **Specimen**

Size: 30

Condition: Fair

Pathology:

Form: Single

Comment: no significant problems

Recommend:



ID: 203

Species: Tulip poplar

Status: **Specimen**

Size: 26

Condition: Fair

Pathology:

Form: Asymmetric

Comment: no significant problems

Recommend:



ID: 204

Species: Tulip poplar

Status: **Specimen**

Size: 26

Condition: Fair

Pathology:

Form: Asymmetric

Comment: no significant problems

Recommend:



ID: 634

Species: Maple, red

Status: **Not Specimen**

Size: 30

Condition: Defect

Pathology:

Form: Bifurcated

Comment: structural defect between codominant stems.

Recommend:



ID: 635

Species: Maple, red

Status: **Specimen**

Size: 26

Condition: Fair

Pathology:

Form: Bifurcated

Comment: some bark inclusion observed in lower trunk. Not yet problematic

Recommend:



ID: 636

Species: Maple, red

Status: **Not Specimen**

Size: 26

Condition: Poor

Pathology: Saprot of trunk

Form: Asymmetric

Comment: multiple regions of cambial and xylem dieback in lower trunk

Recommend:



ID: 637

Species: Elm, american

Status: **Specimen**

Size: 40

Condition: Fair

Pathology:

Form: Multiple trunks

Comment: bark inclusions near trunk base.
canopy is somewhat asymmetrical towards west.

Recommend:



ID: 639

Species: Pine, loblolly

Status: **Specimen**

Size: 35

Condition: Fair

Pathology:

Form: Single

Comment: vines growing on trunk face
somewhat a symmetrical.

Recommend:



ID: 642

Species: Tulip poplar

Status: **Not Specimen**

Size: 28

Condition: Declining

Pathology:

Form: Single

Comment: no significant problems

Recommend:



ID: 643

Species: Tulip poplar

Status: **Not Specimen**

Size: 24

Condition: Defect

Pathology: trunk decay

Form: Bifurcated

Comment: large trunk wound, closed; trunk resonant when tapped with mallet, indicating decay behind woundwood formation

Recommend:



ID: 645

Species: Pine, loblolly

Status: **Not Specimen**

Size: 31

Condition: Unsound

Pathology:

Form: Bifurcated

Comment: Trunk bifurcation is in a state of active failure. Radial crack, open, has developed below bifurcation.

Recommend:



ID: 648

Species: Pine, loblolly

Status: **Not Specimen**

Size: 35

Condition: Unsound

Pathology: Fusiform

Form: Single

Comment: Significant advanced canker with secondary decay infections at base.

Recommend:



ID: 650

Species: Sweetgum

Status: **Not Specimen**

Size: 24

Condition: Poor

Pathology: Buttress Decay

Form: Asymmetric

Comment: Large decaying wound at base of trunk

Recommend:



ID: 653

Species: Tulip poplar

Status: **Not Specimen**

Size: 30

Condition: Unsound

Pathology: Buttress Decay

Form: Single

Comment: Trunk is hollow; large open cavity at base

Recommend:



ID: 769

Species: Maple, red

Status: **Specimen**

Size: 36

Condition: Fair

Pathology:

Form:

Comment: Burley trunk; not problematic
Tree may not be located properly on survey.

Recommend:



ID: 770

Species: Tulip poplar

Status: **Specimen**

Size: 28

Condition: Fair

Pathology:

Form: Multiple trunks

Comment: small side them is dead and decayed, growing from
bottom of trunk

Recommend:



ID: 771

Species: Pine, loblolly

Status: **Specimen**

Size: 35

Condition: Good

Pathology:

Form: Single

Comment: no significant problems

Recommend:



ID: 772

Species: Tulip poplar

Status: **Not Specimen**

Size: 27/25

Condition: Defect

Pathology:

Form: Bifurcated

Comment: tree group is comprised of two widely angled trunks. decay exists at the base of the bark inclusion. Connective tissues are structurally problematic

Recommend:



ID: 773

Species: Pine, loblolly

Status: **Specimen**

Size: 32

Condition: Poor

Pathology: Fusiform

Form: multiple upper

Comment: large disease canker in lower trunk, below trifurcation.

Recommend:



