O'NEIL'S
TREE SERVICE

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FL-6102B
TRAQ (Tree Risk Assessment Qualification)
TPAQ (Tree and Plant Appraisal Qualification)

Prepared for: Cross Creek HOA

Site address: 1490 Riverdale Dr.
Oldsmar, Florida 34677

The following report is submitted by Apollo O'Neil, Consulting Arborists, andincludes findings believed to be accurate based on my education, experience and knowledge in the field of Arboriculture. My findings are based on scientific research in the field of Arboriculture. In addition, Findings are based on personal observations of over 15 years of experience in the broad field of Arboriculture. Our firm has no interest personally or financially in this property other than the preparation of this report and I believe the report is factual and unbiased. The purpose

for this report is to assess trees and palms at the subject property in respect to their health and structure with considerations regarding the damage that has been done to the trees fixing sidewalks and roads which could raise concern not only about the health of the tree but the stability. This report is likely to be amended after meeting with the board as more input is needed to make final decisions. Below I will provide a tree inventory which corresponds to a map. The link is included below. The inventory of trees included here will have the diameter at breast height (DBH), a conditional rating and some suggestions for future care were given in abbreviations. Additionally, a tag was placed on the right side of the tree when facing each one from the road at approximately 5' off the ground.

https://app.singleops.com/visits/1qmlc71h8u0fe688od7jy73bnoz/public_proposal

Tree Inventory and Site Conditions

The subject property contains primarily laurel oak (*Quercus laurifolia)* and live oak (*Quercus virginiana*).

NOTE: The following tree inventory provides an overall condition rating for trees defined as protected species by the provisions of the Pinellas county. Trees in the ROW (right of way) with a trunk diameter of 4" and greater are included in the tree inventory.

NOTE: The tree inventory rates each tree using an overall conditional rating that measures the quality of the trees structure and health and to a lesser degree the tree's aesthetic contribution to the site (form). The overall condition ratings range from 0 (a dead tree) to 6 (a specimen quality tree). Increments of 0.5 are used for accuracy. A tree rated 3.0 is an average tree that has sufficient health and structure to warrant consideration for preservation. A tree rated 2.5 is slightly below average but may improve with minor remedial maintenance. Trees that are rated 2.0 or less are recommended for removal. Trees rated 4.0 and above are high quality trees. The tree inventory includes specific arboricultural terminology justifying the overall condition rating. The Tree Inventory Data section that follows the tree inventory provides a more thorough explanation of the rating system and how individual trees are scored and evaluated. The following notes preceding the tree inventory contain information relative to understanding the tree inventory in general and understanding specific recommendations that appear in the tree inventory.

NOTE: The methodology for conducting this tree assessment is defined in the arboricultural industry as a Visual Tree Assessment (VTA). Trees are assessed by a 360 degree visual observation of the foliage, major scaffold branches, secondary branches, the trunk and portions of the root system that are visible.

NOTE: A tree inventory is typically valid for 3-5 years. However, events such as drought, lightning, mechanical root damage, freeze, improper maintenance, and severe storms can

downgrade the rated value of a tree. Conversely, remedial maintenance can upgrade the value. If you suspect that a tree has been adversely affected, It is recommended having the tree inspected by a qualified International Society of Arboriculture (ISA) Certified Arborist specializing in tree risk assessment and holding the Tree Risk Assessment Qualification (TRAQ).

NOTE: Whenever possible it is advised to adhere to inventory recommendations when selecting trees to be preserved. For example, trees or palms rated 4.0 and higher are strong candidates to be considered for preservation, while trees or palms rated 2.0 and lower shouldbe removed unless otherwise noted in the inventory. Trees or palms rated 2.5 are generally recommended for removal unless remedial work is performed to upgrade them. Trees or palms rated 3.0 and 3.5 are average trees that have good potential and are worthy of preservation efforts.

NOTE: Tree size references trunk diameter in inches measured at 4.5' above grade unless the trunk forks below that point - then the diameter is measured at the narrowest trunk diameter between existing grade and the fork.

NOTE: Any recommendations for tree pruning in the following tree inventory should only be performed by International Society of Arboriculture (ISA) Certified Arborists skilled in pruning to the standards defined in the American National Standards Institute (ANSI) publication, *ANSI-A300 Part 1: Tree, Shrub and Other Woody Plant Maintenance – standards Practices, Pruning* and the International Society of Arboriculture's companion publication: Best Management Practices, Tree Pruning (Revised 2019).

NOTE: Any recommendations for future monitoring of trees or further inspections of trees should only be performed by International Society of Arboriculture (ISA) Certified Arborist specializing in tree risk assessment and holding the Tree Risk Assessment Qualification (TRAQ).

NOTE: Any recommendations for cabling and bracing of trees in this tree inventory should only be performed by ISA Certified Arborists skilled in this arboricultural practice and in conformance with the methodology as defined within the International Society of Arboriculture's publication: Best Management Practices, Tree Support Systems: Cabling, Bracing, Guying and Propping (Revised).

NOTE: Any recommendations in this tree inventory for structural pruning should only be performed by ISA Certified Arborists skilled in this type of pruning and in conformance with the methodology as defined within the International Society of Arboriculture's publication: Best Management Practices, Tree Pruning (Revised 2019).

This tree inventory field work was conducted on April 20th, 2021. The ratings for all trees were established by Apollo O'Neil, ISA Board Certified Master Arborist #FL-6120B, ISA Tree Risk Assessment Qualification (TRAQ).

The following tree inventory starts with tree #1 and ends with #39A. Each tree listed in the tree inventory is tagged in the field with an aluminum numbered tag on the trunk that corresponds to its number in the following tree inventory as well as the map at the included link above.

Tree #	Species	Diameter	Rating	Recommend	Priority

1 Quercus laurifolia 20" 3.0 R/E P2/R3
Tree has had significant root damage due to new sidewalk replacement.

2 Quercus laurifolia 10" 2.0 R R1
Tree has had significant girdling roots and crown die-back.

3 Quercus laurifolia 13" 3.5 R/E P2/R3
This tree is likely to create damage to sidewalks, curbs and the road overtime.

4 Quercus laurifolia 18" 3.0 R/E P2/R3
Tree has had significant root damage due to road repair or mowers.

5 Quercus laurifolia 14" 3.0 R/E P2/R3
Tree has had significant root damage due to new sidewalk replacement and root cutting is possible but hard to see without excavation.

6 Quercus laurifolia 15" 3.0 R/E P2//R3
Tree has some crown die-back.

7 Quercus virginiana 8" 4.5 R/E P2//R3
This tree is likely to create damage to sidewalks, curbs and the road overtime.

8 Quercus virginiana 19" 4.0 R/E P3/R3
Tree has been over-pruned (lions tailed). Tree is quite large for the space and will soon overgrow its root zone creating damage to the road, curb and sidewalks.

9 Quercus virginiana 12" 3.5 R/E P2/R3
Tree needs structural pruning to correct and over time could be upgraded. This tree will likely begin to create sidewalk and curb damage in a few years.

10 Quercus laurifolia 14" 3.0 R/E P2/R3
Tree has is very close to the driveway and will soon need root pruning to fix concrete and in the future will create significant damage to sidewalk and possibly driveway.

11 Quercus laurifolia 11" 2.0 R R1
Tree has a buried root flare and is a bit dwarfed. This is likely due to root defects.

12 Quercus laurifolia 13" 2.0 R R1
Tree is declining and has crown die-back. Looks like two new sidewalk sections have been added next to it and a water main is less than 12" from the trunk.

13 Quercus laurifolia 16” 2.5 R/E P2/R2
Tree has some crown die-back and is lifting the sidewalk which will need to be replaced soon. This will cause root damage.

14 Quercus virginiana 22” 4.0 R P2/R3
Tree is quite large for the space and will soon overgrow its root zone creating damage to the road, curb and sidewalks. Miami curb has already been replaced once and the roots on the roadside have likely been severed. This affects the stability of the tree.

15 Quercus laurifolia 10” 2.5 R R2
Tree doesn’t have enough rooting space. Tree is dwarfed and has poor root flare likely due to girdling roots. Sidewalk is lifted.

16 Quercus virginiana 17” 3.5 R R2
Tree is quite large for the space and will soon overgrow its root zone creating damage to the road, curb and sidewalks. Sidewalk sections appear to have been replaced and roots were likely cut. This affects the stability of the tree. Tree has some crown die-back.

17 Quercus virginiana 16” 3.5 R R3
Tree is quite large for the space and will soon overgrow its root zone creating damage to the road, curb and sidewalks.

18 Quercus virginiana 14” 3.5 R R3
Tree has co-dominant stems. It has lifted the sidewalk already and created damage.

19 Quercus laurifolia 17” 3.0 R R3
Tree has girdling roots and a sidewalk section was recently replaced. This would have likely caused root damage compromising the stability.

20 Quercus virginiana 9” 4.0 R/S/E P2/R3
This tree is likely to create damage to sidewalks, curbs and the road overtime.

21 Quercus virginiana 16” 2.5 R P2/R2
Tree has crown die-back.

22 Quercus laurifolia 21” 2.0 R R1
Tree is declining. Tree has large wounds and decay on the trunk and flare roots. The canopy has crown die-back. The Miami curb was replaced near it likely creating more root damage.

23 Quercus virginiana 9” 4.5 R/S/E P2/R3
This tree is likely to create damage to sidewalks, curbs and the road overtime.

24 Quercus laurifolia 16” 2.5 R R2
Tree has a significant lean to the south. Half the canopy has chlorotic foliage.

25 Quercus laurifolia 16” 2.5 R R2
Tree has co-dominant inclusion at 5’ from grade. Tree has a wound in the trunk at grade.

26 Quercus virginiana 24” 4.0 R P1//R3
Tree is quite large for the space and will soon overgrow its root zone creating damage to the road, curb and sidewalks.

27 Quercus laurifolia 12” 2.5 R R2

Tree has some crown-die-back. A nearby sidewalk section was removed.

28 Quercus laurifolia 15” 3.0 R R2
This tree is likely to create damage to sidewalks, curbs and the road overtime.

29 Quercus virginiana 19” 3.5 R/None R3
Tree is quite large for the space and is close to the driveway.

30 Quercus laurifolia 14” 2.5 R/None R2
Tree is quite large for the space and is close to the driveway. The tree has crown-die-back.

31 Quercus virginiana 21” 3.5 R/None R3
Tree is quite large for the space and is close to the driveway.

32 Quercus virginiana 22” 3.5 R/None R3
Tree is lifting the driveway and sidewalks.

33 Quercus virginiana 17” 3.5 R/None R3
Tree is lifting the driveway and sidewalks.

34 Quercus virginiana 17” 3.5 R/None R3
Tree is lifting the driveway and sidewalks.

35 Quercus virginiana 18” 3.5 R/None R3
Tree is lifting the sidewalks. It has also damaged the Miami curb.

36 Quercus laurifolia 13” 3.0 R/None R2
Tree has trunk wounds and has lifted the sidewalk.

37 Quercus laurifolia 22” 2.5 R/None R2
Tree has lifted the sidewalk and has some die-back.

38 Quercus laurifolia 13” 2.5 R/None R2
Tree has girdling roots and canopy is chlorotic.

39 Quercus virginiana 14” 3.0 R/None R3
Tree lifted the sidewalk and has been ground down.

40 Quercus virginiana 24” 3.0 R/None R3
Tree lifted the sidewalk and new sections have been installed. The tree is lifting the nearby driveway and has had significant root damage on the side nearest the road. The tree is too big for the area and will do more damage to the road, curbs and sidewalk.

41 Quercus virginiana 17” 3.5 R/None P2/R3
Tree lifted the sidewalk and a new section looks to have been installed. It has girdling roots.

42 Quercus virginiana 15” 3.5 R/E. P2/R3
Tree lifted the sidewalk.

43 Quercus virginiana 12” 3.5 R/E P2/R3
This tree is likely to create damage to sidewalks, curbs and the road overtime.

44 Quercus virginiana 13” 3.5 R/E P2/R3
Tree is very near the driveway and has lifted the sidewalk.

45 Quercus virginiana 14” 3.5 R/E P2/R3
Tree is very near the driveway and has lifted the sidewalk and the driveway.

46 Quercus laurifolia 11” 3.0 R/E P3/R3
Tree is near the driveway and has lifted the sidewalk.

47 Quercus laurifolia 15” 3.0 R/E P3/R3
Tree has lifted the sidewalk.

48 Quercus virginiana 23” 3.0 R R3
Tree has lifted the sidewalk. Canopy has very light die-back.

49 Quercus virginiana 17” 3.0 R R2
Tree has lifted the sidewalk. Sections have been replaced which likely means roots have been severed or damaged. Water valve is 18” from root flare.

50 Quercus virginiana 23” 3.0 R R2
Tree has lifted the sidewalk. Miami curb has been replaced which likely means roots have been severed or damaged.

51 Quercus virginiana 21” 3.0 R R2
Tree has lifted the sidewalk. A new section has been added and Miami curb has been replaced nearby which likely means roots have been severed or damaged. Roots have been damaged on the roadside as well.

52 Quercus virginiana 11” 3.5 R R3
Tree has lifted the sidewalk.

53 Quercus virginiana 12” 4.0 R/S R3/P3
Tree has exposed surface roots.

54 Quercus virginiana 20” 3.0 R/S R3/P3
There are a whole bunch of new sidewalk sections next to this tree and it has a co-dominant structure with an inclusion.

55 Quercus laurifolia 17” 2.5 R/E R2/P2
Tree is lifting the sidewalk. Tree has a very small space for development. There is a water valve touching the root flare at the base of the tree.

56 Quercus laurifolia 14” 3.0 R/E R2/P2
Tree is lifting the sidewalk.

57 Quercus laurifolia 14” 3.0 R/E R2/P2
Tree is lifting the sidewalk. A new section has been installed in the CRZ which would likely mean roots have been damaged.

58 Quercus laurifolia 12” 2.5 R/E R2/P2
New sections have been installed in the CRZ which would likely mean roots have been damaged.

59 Quercus laurifolia 16” 3.0 R/E R2/P2
A new section has been installed in the CRZ which would likely mean roots have been damaged.

60 Quercus virginiana 12” 3.0 R/E R2/P2
The sidewalks have lifted. Tree has girdling roots.

61 Quercus virginiana 17” 3.0 R R2
The sidewalks have lifted. A new section has been installed. Tree has girdling roots.

62 Quercus virginiana 18” 3.5 R R2
The sidewalks have lifted.

63 Quercus virginiana 22” 3.0 R/E R2/P2
The sidewalks have lifted and been replaced. There are girdling roots and defective stems with inclusions.

64 Quercus laurifolia 13” 3.0 R R2
The sidewalks have lifted.

65 Quercus laurifolia 10” 2.5 R R2
The sidewalks have lifted. Tree doesn’t have enough space and will have more and more problems as well as create more problems as time goes on.

66 Quercus laurifolia 14” 3.0 R/E R2/P2
The sidewalks have lifted.

67 Quercus virginiana 15” 3.0 R/E R2/P2
The sidewalks have lifted and a section was replaced in the CRZ.

68 Quercus laurifolia 14” 3.0 R/E R2/P2
The sidewalks have lifted and sections have been lifted in the CRZ.

69 Quercus virginiana 14” 3.0 R R2
The sidewalks have lifted and the driveway on the left. Sections were replaced in the CRZ. Tree has limited room for roots. This location will create more problems for the tree and the hard scrape around it.

70 Quercus laurifolia 17” 3.0 R/E R2/P2
The sidewalks have lifted badly and the storm drain is being invaded by roots.

71 Quercus virginiana 12” 3.0 R/E R3/P2
A section has been replaced within the CRZ. The base has no flare. Suspect girdling roots system.

72 Quercus virginiana 21” 3.0 R R3
Sections have been replaced within the CRZ. Root zone damage is likely to have occurred.

73 Quercus laurifolia 14” 3.0 R/E R2/P2
Two sections of sidewalk have been replaced within the CRZ.

74 Quercus laurifolia 15” 3.0 R/E R2/P2
The sidewalk is lifted. Sections of sidewalk have been replaced within the CRZ.

75 Quercus laurifolia 19” 2.0 R/E R1/P2
Several sections of sidewalk have been replaced within the CRZ. The tree has had major roots cut in the CRZ. The tree has crown-die-back.

76 Quercus laurifolia 12” 3.0 R/E R2/P2
A Section of sidewalk has been replaced within the CRZ. There is a water valve nearby for the home.

77 Quercus laurifolia 13” 3.0 R/E R2/P2
Tree has a water valve about 12” from the base. Tree has lifted the driveway.

78 Quercus laurifolia 16” 3.0 R/E R2/P2
This tree is likely to create damage to sidewalks, curbs and the road overtime.

79 Quercus virginiana 12” 3.0 R/E R2/P2
Tree looks to have a girdled root system.

80 Quercus laurifolia 16” 3.0 R/E R2/P2
Tree is lifting sidewalk and has some root zone injuries.

81 Quercus laurifolia 19” 3.0 R/E R2/P2
Tree is lifting sidewalk.

82 Quercus laurifolia 22” 3.0 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury. Tree may be lifting the driveway to the right as well.

82 Quercus laurifolia 22” 3.0 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury. Tree may be lifting the driveway to the right as well.

83 Quercus laurifolia 19” 3.0 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury. There is damage to the roots from prior sidewalk replacement.

84 Quercus laurifolia 17” 3.0 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury.

85 Quercus laurifolia 19” 3.0 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury from mowers etc.

85 Quercus laurifolia 19” 3.0 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury from mowers etc.

86 Quercus laurifolia 18” 3.0 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury from mowers etc. A section of sidewalk has been replaced.

87 Quercus virginiana 7” 3.0 R/E R2/P2
This tree is likely to create damage to sidewalks, curbs and the road overtime.

88 Quercus laurifolia 7” 2.5 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury from mowers etc. Sections of sidewalk have been replaced. Tree is declining and has poor trunk taper

89 Quercus virginiana 20” 3.5 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury from mowers etc. Miami curb has been replaced and possible root damage may have occurred.

90 Quercus virginiana 15” 2.5 R/E R2/P2
Tree is lifting sidewalk and has evidence of root system injury from mowers etc. Miami curb has been replaced and possible root damage may have occurred. Tree has damaged or is damaging the road and has affected draining.

**91 Quercus laurifolia 16” 2.5 R/E R1/P2
Tree has damaged the sidewalks and sections have been replaced. Tree has a large hanger in the canopy that could create damage.

92 Quercus laurifolia 11” 1.5 R/E R1/P2
Tree is declining heavily. The Miami curb was replaced, and a new sidewalk section installed.

93 Quercus laurifolia 12” 2.5 R/E R2/P2
Tree has girdling roots and is declining.

94 Quercus laurifolia 19” 3.0 R/E R2/P2
This tree is likely to create damage to sidewalks, curbs and the road overtime.

95 Quercus laurifolia 12” 2.0 R/E R1/P2
Tree is declining.

96 Quercus virginiana 12” 3.0 R/E R3/P2
Miami curb was replaced, and it is likely roots were damaged. Tree has poor trunk taper.

97 Quercus virginiana 20” 3.5 R/E R3/P2
Tree lifted current sections and sections were replaced prior. Tree lifted driveway.

98 Quercus virginiana 20” 2.5 R/E R1/P2
Tree lifted current sections and sections were replaced prior. Tree lifted driveway. Miami curb was replaced. Tree is declining.

99 Quercus virginiana 12” 3.0 R/E R2/P2
Tree is lifting driveway. Tree has been poorly pruned before or lost branches.

100 Quercus laurifolia 12” 2.5 R/E R1/P2
Tree is lifting sidewalks and a section may have been replaced.

25A Quercus laurifolia 14” 2.5 R/E R1/P2
Tree is lifting sidewalks and a section has been replaced.

26A Quercus laurifolia 17” 3.0 R/E R2/P2
Tree is lifting sidewalks.

27A Quercus laurifolia 21” 2.5 R/E R2/P2
Tree is lifting sidewalks and two sections have been replaced.

28A Quercus laurifolia 15” 2.5 R/E R2/P2
Tree is lifting sidewalks and a section was replaced.

29A Quercus laurifolia 16” 3.0 R/E R2/P2
Tree lifted sections and they have been replaced. It is likely roots were damaged. The tree is also damaging the Miami curb.

30A Quercus laurifolia 7” 2.0 R/E R1/P2
Tree is declining and has poor taper.

31A Quercus laurifolia 12” 2.5 R/E R2/P2
Tree has lifted sidewalk sections and the have been replaced in the CRZ. Miami curb was replaced.

32A Quercus virginiana 18” 3.5 R/E R2/P2
This tree is likely to create damage to sidewalks, curbs and the road overtime.

33A Quercus laurifolia 11” 3.0 R/E R2/P2
Tree is lifting sidewalk.

34A Quercus laurifolia 15” 3.0 R/E R2/P2
Tree is lifting sidewalk and sections have been replaced.

35A Quercus virginiana 22” 4.0 R/E R3/P2
Tree is damaging sidewalks far away. Root damage near Miami curb. Eventually it will damage this curb.

36A Quercus virginiana 21” 4.0 R/E R3/P2
Tree is damaging sidewalks far away. Root damage near Miami curb. Eventually it will damage this curb.

37A Quercus virginiana 22” 4.0 R/E R3/P2
Miami curb was replaced in front of the tree. This means root damage is likely. Crown is a bit thin and lots of small dead wood.

38A Quercus virginiana 9” 4.0 R/E R3/P2
This tree is likely to create damage to sidewalks, curbs and the road overtime.

39A Quercus virginiana 16” 4.0 R/E R3/P2
This tree is likely to create damage to sidewalks, curbs and the road overtime.

*****This concludes the tree inventory.*****

Tree Inventory Data

A tree inventory is a written record of a tree’s condition at the time of inspection. It is a valuable tool to prioritize tree maintenance and remove trees with problems that could leadto failure and cause personal injury or property damage. The tree inventory lists four codes, tree#, trunk diameter, tree species, and overall condition rating. It also includes a comment section with specific supportive data for the rating. The following is an explanation of the dataused in the inventory:

Tree# - location - Each tree is assigned a number for reference in the inventory that corresponds with a number on the site plan or a number on a tree tag that identifies the location of the tree in the field.

Size – Tree size is a measure of the tree's trunk diameter measured at 4.5' above grade. If the trunk forks at 4.5' above grade the diameter is measured at the narrowest trunk diameter below the fork. Palm species are measured in feet of clear trunk (C.T.).

Species – Each tree is listed by its common and botanical name the first time it is listed in the inventory. For simplicity, the tree is listed by its common name thereafter.

Condition Rating – The condition rating is an assessment of the tree's overall structural strength and systemic health. **Elements of structure** include: 1) the presence of cavities, decayed wood, split, cracked, rubbing branches etc., 2) branch arrangements and attachments, i.e., well-spaced vs. several branches emanating from the same area on the trunk, codominant stems vs. single leader trunk, presence of branch collars vs. included bark.

Elements of systemic health -- Related to the tree's overall energy system measured by net photosynthesis (food made) vs. respiration (food used). A tree with good systemic health will have a vascular system that moves water, nutrients and photosynthate around the tree as needed. Indicators of a healthy systemic system used in the overall condition rating include: 1) live crown ratio (the percentage live crown a tree has relative to its height, 2) crown density (density of the foliage), 3) tip growth (foliate branch tips and shoot elongation)

The overall condition rating also takes into consideration the species, appearance and any unique features. The rating scale is 0-6 with 0 being a dead tree and 6 a specimen. Increments of 0.5 are used to increase accuracy. Examples of the tree rating system are as follows:

0 -- A dead tree

1 -- A tree that is dying, severely declining, hazardous, harboring a communicable disease or a tree designated by the State of Florida's Exotic Pest Plant Council as a category #1 ecological pest i.e., Brazilian pepper tree (*Schinus terebinthifolius*). A tree with a rating of 1 should be removed as it is beyond treatment and is a threat to cause personal injury or property damage.

2 – A tree exhibiting serious structural defects such as codominant stems with included bark at or near the base, large cavities, large areas of decayed wood, crown dieback, cracked/split scaffold branches etc. In addition, a tree with health issues such as low energy, low live crown ratio, serious disease or insect problems, nutritional deficiencies or soil pH problems. A tree with a rating of #2 should be removed unless the problem(s) can be treated. A tree with a #2 condition rating will typically require a considerable amount of maintenance to qualify for an upgrade of the condition rating.

3 -- A tree with average structure and systemic health and with problems that can be corrected with moderate maintenance. A tree with a codominant stem not in the basal area that will be subordinated or cabled and braced or a codominant stem that will soon have included bark can be included as a #3. A tree with a rating of #3 has average appearance, crown density and live crown ratio and should be preserved if possible.

4 -- A tree with a rating of 4 has good structure and systemic health with minor problems that can be easily corrected. The tree should have an attractive appearance and be essentially free

of any debilitating disease or insect problem. The tree should also have above average crown density and live crown ratio. Mature trees exhibiting scars, old wounds, small cavities or other problems that are not debilitating can be included in this group particularly if they possess unique form or other aesthetic amenities relating to their age. A tree with a rating of 4 is valuable to the property and should be preserved.

5 – A tree with a live crown ratio of at least 60%, very good crown density, exceptional structure and systemic health and virtually free of insect or disease problems or nutritional deficiencies. A tree in this category should have a balanced crown with exceptional aesthetic amenities. A tree in this category should be of a species that possesses characteristics inherent to longevity and withstanding construction impacts. A tree with a #5 rating lends considerable value to the site and should be incorporated into the site design. A tree with a #5 rating is worthy of significant site plan modification to ensure its preservation.

6 – A specimen tree. A specimen tree is a tree that possesses a combination of superior qualities in regard to systemic health, structural strength, crown density, live crown ratio, form (balanced crown), overall aesthetic appeal, size, species, age and uniqueness. A great effort should be made to preserve a specimen tree including shifting structures that would adversely impact the tree. In addition, a specimen tree should have an undisturbed rooting area equal to its dripline (equal to the branch spread) to grow in. Only an experienced and competent International Society of Arboriculture (I.S.A.) Certified Arborist should be allowed to perform maintenance on a specimen tree.

Comments: The comment section serves to note observations relative to the tree but not covered in the inventory data or expands on information in the inventory data. It may include maintenance recommendations to improve the tree's overall condition rating. It may also have recommendations on whether a tree warrants preservation consideration or if a tree should be removed.

Key: Some abbreviations were used above. I will define them below.

P1 – This means the tree will need some pruning in the next year or two.
P2 – This means will need pruning in another 2-3 years.
P3 – This means it will need some pruning in the future at an unknown date.
R1 – This means the tree needs to be removed in the next year.
R2 – This means the tree is not a hazard yet but if we were phasing out larger trees to put in trees which are better suited for the area these would go next.
R3 – This means the tree is not a hazard but if we were phasing out larger trees to put in trees which are better suited for the area these would go next.
R – Remove.
E – Elevation pruning for clearance from roads or grade.