#### TOWN OF CALEDON PLANNING RECEIVED

Oct.28, 2021



GUIDING SOLUTIONS IN THE NATURAL ENVIRONMENT

# Arborist Report 9229 5<sup>th</sup> Sideroad Town of Caledon

Prepared For: Carantania Investments (BT) Inc.

Prepared By:

**Beacon Environmental Limited** 

Date: Project:

October 2021 220426



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## 1. Introduction

Beacon Environmental Limited (Beacon) was retained by Carantania Investments (BT) Inc. to undertake an Arborist Report and Tree Inventory and Preservation Plan (TIPP) in support of the proposed residential infill development of the property referred to as 9229 5<sup>th</sup> Sideroad, Bolton (**Figure 1**), within the Town of Caledon, Peel Region (herein referred to as the subject property).

The Town of Caledon requires the completion of an Arborist Report and TIPP in accordance with the Town's Terms of Reference for Arborist Reports, Tree Preservation Plans and Tableland Tree Removal Compensation document (2020), as part of a complete application for an Official Plan Amendment, Zoning By-law Amendment, Plan of Subdivision, Site Plan Applications, Plan of Condominium, Consent, and all other development streams. The Town's guidelines apply to all trees  $\geq$  10 cm in diameter at breast height (DBH) on and within 6 m of a property proposed for development, on both private and town-owned properties.

The purpose of this report is to provide an inventory and description of the trees within and immediately adjacent to the subject property, to identify trees proposed for injury or removal to accommodate the proposed development, and to provide recommendations for tree preservation measures and mitigation of impacts.

This report was prepared in accordance with accepted arboricultural guidelines, standards and practices and the municipal requirements as outlined in the Town's Terms of Reference for Arborist Reports, Tree Preservation Plans and Tableland Tree Removal Compensation document (2020), and the Arborists' Certification Study Guide (Lilly 2001).

This report provides an update to the January 2021 Arborist Report prepared by Beacon based on comments received by the Town of Caledon.

## 2. Methodology

Tree inventory data were collected on October 2, 5, and 6, 2020 by a Beacon arborist certified by the International Society of Arboriculture (ISA). The inventory includes trees measuring at least 10 cm DBH that may be affected by the proposed development on and within 6 m of the subject property.

Tree diameters were measured at breast height, approximately 1.4 m from the ground surface. The diameter for multi-stemmed trees that split below DBH was determined by taking the square root of the sum-of-squares of each stem's DBH.

Tree condition was assessed based on the presence and severity of flaws, damage, evidence of pests or diseases, structural condition, dead or dying branches, or other indicators of decline.

All inventoried trees were tagged with metal, numbered labels, and the location of each of the trees was recorded using a survey-grade Arrow 100 GNSS Receiver and incorporated into Geographical Information Systems (GIS) and AutoCAD platforms.

The limitations associated with the tree assessment are detailed in **Appendix A**.



### 3. Results

A total of 403 individually tagged trees with a minimum DBH of 10 cm were inventoried and assessed on and within 6 m of the subject property. Of these 403 trees, 295 were assigned to groups of densely clustered trees (i.e., Tree Groups A to D) for ease of readability for the TIPP drawing (i.e., to avoid overlapping of tree tag numbers within dense clusters of trees on the TIPP).

Of the 403 inventoried trees, 236 (~ 59%) are composed of Austrian Pine (*Pinus nigra*), White Spruce (*Picea glauca*), Eastern White Cedar (*Thuja occidentalis*), and Colorado Blue Spruce (*P. pungens*).

The remaining 167 trees are composed of single to several individuals of American Elm (*Ulmus americana*), Apple species (*Malus* spp.), Balsam Fir (*Abies balsamea*), Basswood (*Tilia americana*), Black Locust (*Robinia pseudoacacia*), Black Walnut (*Juglans nigra*), Bur Oak (*Quercus macrocarpa*), Carolina Poplar (*Populus canadensis*), Freeman's Maple (*Acer x freemanii*), Green Ash (*Fraxinus americana*), Manitoba Maple (*A. negundo*), Norway Maple (*A. platanoides*), Red Oak (*Quercus rubra*), Russian Olive (*Elaeagnus angustifolia*), Scots Pine (*P. sylvestris*), Silver Maple (*A. saccharinum*), Sweet Cherry (*Prunus serotina*), Trembling Aspen (*P. tremuloides*), White Ash (*Fraxinus americana*), White Birch (*Betula papyrifera*), White Mulberry (*Morus alba*), White Spruce (*P. glauca*), and Willow species (*Salix* spp.).

Ash trees (i.e., Green Ash and White Ash (*F. americana*)), which account for approximately 9% of the trees inventoried, are primarily dead or dying as a result of infestation from the Emerald Ash Borer (*Agrilus planipennis*).

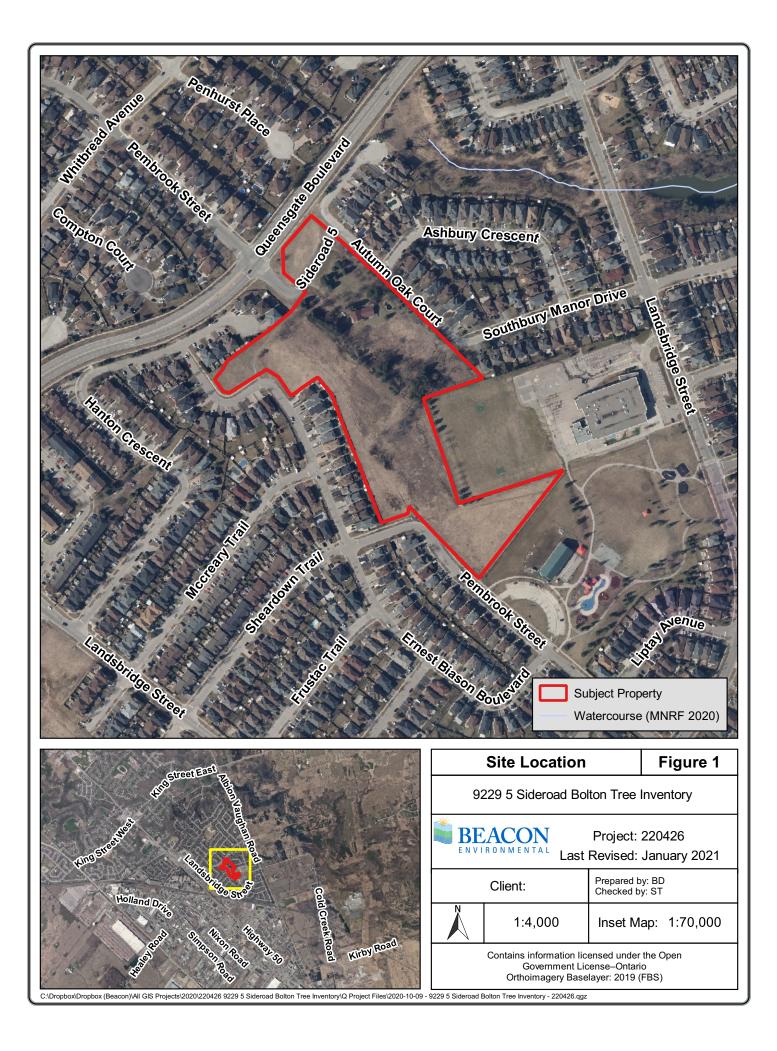
Of the 403 trees, there are two trees (Tree Nos. 297 and 298) that are located within 6 m of the subject property. Tree Nos. 297 and 298 are Red Oak that are 14 cm and 15 cm DBH, respectively, located between the sidewalk and the southern edge of Queensgate Boulevard within the Town's right-of-way (ROW).

There were no Butternut (*J. cinerea*) trees, or any other provincially rare trees recorded on or adjacent to the subject property.

All tree inventory data are presented in the tree inventory table in **Appendix B** and the locations of all inventoried trees and tree groups are provided in the TIPP (**Drawings TP-1** to **TP-3**).

# 4. Proposed Development and Tree Preservation and Removal

The proposed development consists of residential infill of individual lots with detached dwellings and access routes. The residential lots will be accessed from the proposed extension of both Pembrook Street from the south (i.e., connecting to Queensgate Boulevard), and Southbury Manor Drive to the east. In addition, a row of units will front onto and will be accessed directly from Autumn Oak Court.





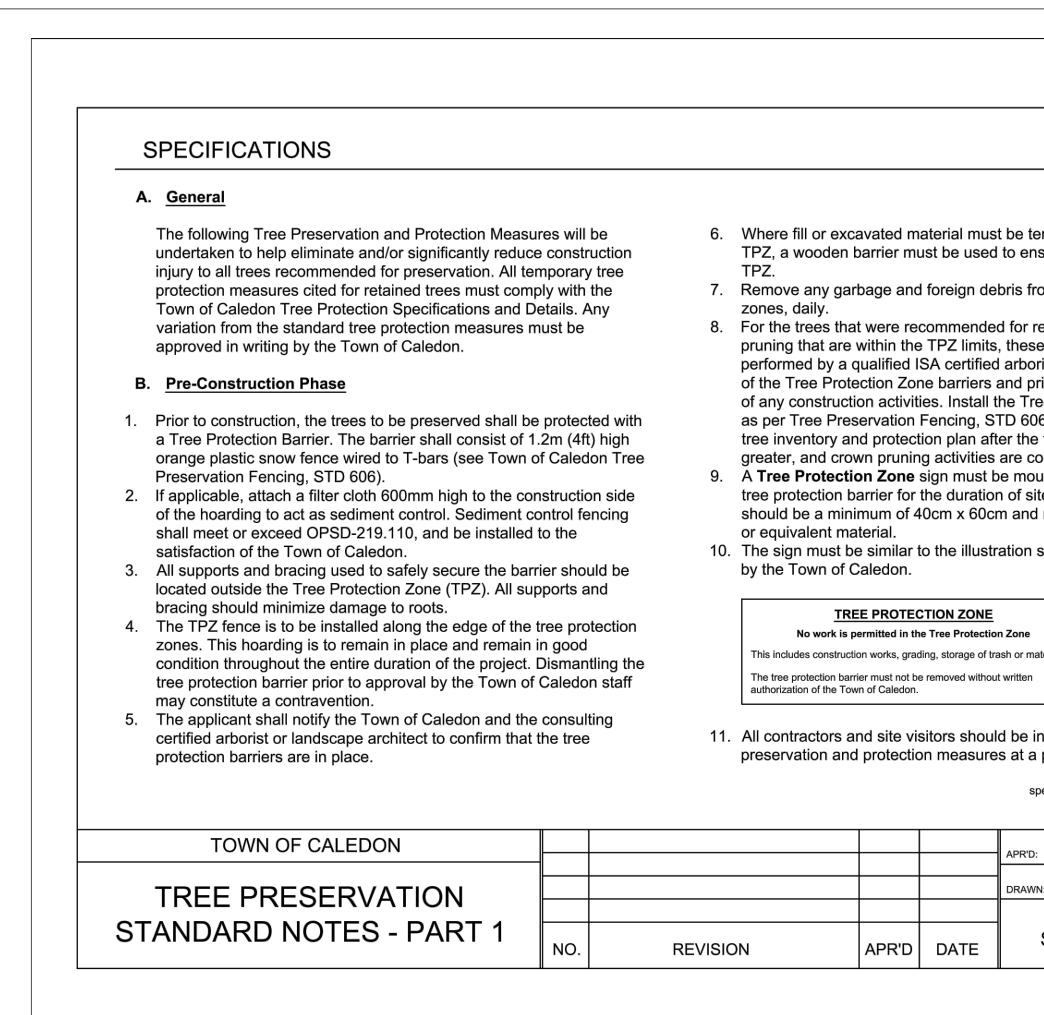
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ree	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition1	Comments	TPZ Radius2 (m)	Preservation Recommendation
ual T	<b>rees</b> Elaeagnus angustifolia	Russian Olive	8,8,8,6,6,6,1	(m) 2 5	-	Multi-stemmed tree with a combined DBH of 21 cm; Shrubby tree next to utility pole.	(m) N/A	Remove due to Development
	Quercus rubra Quercus rubra Acer platanoides	Red Oak Red Oak Norway Maple	15 14 17	5 5 5	Good Good	Vertical rotting wound ~ 2 m in length from ground. Good form and vigour. Vertical wound with woundwood; Tar spots on leaves.	2.5 2.5 N/A	Preserve Preserve Remove due to Developmen Remove due to Developmen
T	Malus sp. Thuja occidentalis Thuja occidentalis	Apple sp. Eastern White Cedar Eastern White Cedar	12 13,12 14	4 4 4	Fair-Good	Good vigour. Codominant stems with a combined DBH of 18 cm; Stems fork near ground; Chlorosis of needles. Chlorosis of some needles.	N/A N/A N/A	Remove due to Developmen Remove due to Developmen Remove due to Developmen
- / - /	Acer platanoides Malus sp. Picea pungens	Eastern White Cedar Norway Maple Apple sp. Colorado Blue Spruce	44 17 17	10 4 5	Good Fair-Good Fair	Good form and vigour; Tar spots on leaves. Suppressed by neighbouring trees.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
	Acer platanoides Picea pungens Acer saccharinum	Norway Maple Colorado Blue Spruce Silver Maple	41 34 51	10 7 14 7	Good Fair-Good Fair-Good	Tar spots on leaves. Adjacent to wood fence; Minor dieback and thinning. Minor dieback and thinning.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
L	Pinus nigra JImus americana Picea pungens	Austrian Pine American Elm Colorado Blue Spruce	43 56,51 28	7 16 5	Fair Fair-Good	Two stems fused together at breast height; Moderate dieback and thinning. Codominant stems with a combined DBH of 76 cm; Stems fork at ground; Good form and vigour. Understory tree adjacent to mature American Elm.	N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
F F	Pinus nigra Pinus nigra Pinus nigra	Austrian Pine Austrian Pine Austrian Pine	39 31 49	7 4 8	Fair-Good Poor-Fair Fair-Good	Understory tree adjacent to mature American Eim. Minor dieback and thinning. Leader snapped; Very short tree with branches extending past adjacent Buckthorn. Stems fork into twon~ 2.5 m from ground; Relatively good vigour.	N/A N/A N/A	Remove due to Developme Removed due to Condition Remove due to Developme
F F	Pinus nigra Pinus nigra Fraxinus pennsylvanica	Austrian Pine Austrian Pine Green Ash	45 44 16	8 8 NA	Fair-Good Fair-Good Dead	Chlorosis of needles. Potential risk tree.	N/A N/A N/A	Remove due to Developme Remove due to Developme Removed due to Condition
1	Morus alba Acer platanoides Fraxinus pennsylvanica	White Mulberry Norway Maple Green Ash	18 11,11,4 12	5 5 NA	Good	Good vigour; Immediately adjacent to dwelling. Thee stems with a combined DBH of 16 cm; Good vigour; Stems fork near ground; Adjacent to dwelling. Potential risk tree.	N/A N/A N/A	Remove due to Developme Remove due to Developme Removed due to Condition
. 4	Acer negundo Acer x freemanii	Manitoba Maple Freeman's Maple	44,31,50	16 5	Fair-Good	Three stems with a combined DBH of 73 cm; Stems fork near ground; Included bark at stem union; Minor dieback and thinning. Good form and vigour.	N/A N/A	Remove due to Developme Remove due to Developme
T T	Tilia americana Acer saccharinum Acer negundo	Basswood Silver Maple Manitoba Maple	28,43 41 17,20	14 14 7	Good Fair-Good	Two stems with a combined DBH of 51 cm; Good vigour; Stems fork near ground. Some minor dieback and thinning; Sapsucker damage to trunk. Codominant stems with a combined DBH of 26 cm; Stems fork near ground.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
F	Acer saccharinum Populus x canadensis	Silver Maple Carolina Poplar	18,19 10	7		Codominant stems with a combined DBH of 26 cm; Stems fork just below breast height; ncluded bark at stem union. Moderate dieback and thinning.	N/A N/A	Remove due to Developme Remove due to Developme
F	Populus x canadensis Populus x canadensis Picea pungens Acer platanoides	Carolina Poplar Carolina Poplar Colorado Blue Spruce Norway Maple	18 46 30 33	5 14 5 8	Fair-Good Good	Moderate dieback and thinning. Some minor dieback and thinning. Moderate dieback and thinning; Tar spots on leaves.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
) F   F	Robinia pseudoacacia Pinus nigra Pinus nigra	Black Locust Austrian Pine Austrian Pine	9,10,8,7 21 25	5 5 7	Good Fair-Good Fair-Good	Multi-stemmed with a combined DBH of 17 cm; Included bark at stem unions. Minor dieback and thinning. Minor dieback and thinning.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
, F . T	Fraxinus americana Pinus nigra Thuja occidentalis	White Ash Austrian Pine Eastern White Cedar	36 20 14 26 20 25	4 5 4	Fair-Good Good	Almost dead; EAB. Minor dieback and thinning. Good form and vigour.	N/A N/A N/A	Removed due to Condition Remove due to Developme Remove due to Developme
i F F	Acer x freemanii Fraxinus americana Fraxinus americana Fraxinus americana	Freeman's Maple White Ash White Ash White Ash	36,29,25 13,11 14 11	14 3 4 3	Poor Poor	Three stems with a combined DBH of 53 cm; Stems fork near ground. Two stems with a combined DBH of 17 cm; Almost dead EAB. Almost dead; EAB. Almost dead; EAB.	N/A N/A N/A N/A	Remove due to Developme Removed due to Condition Removed due to Condition Removed due to Condition
) 7	ĥuja occidentalis	Eastern White Cedar 2	20,11,10,8,14,		Fair-Good Good	Multi-stemmed with a combined DBH of 31 cm; Stems fork near ground; Some chlorosis of needles. Three stems with a combined DBH of 42 cm; Stems fork below breast height; Included bark	N/A N/A	Remove due to Developme Remove due to Developme
/ 2	Tilia americana Acer saccharinum Fraxinus americana	Basswood Silver Maple White Ash	11,13 29	6 3	Good Poor	at stem union. Codominant stems with a combined DBH of 17 cm; Good vigour; Stems fork near ground. Almost dead; EAB	N/A N/A	Remove due to Developme Removed due to Condition
. 4	Jlmus americana Acer saccharinum Ilmus americana	American Elm Silver Maple	29 44,23,12	5 12 12	Fair-Good	Unbalanced crown; Good health and vigour. Three stems with a combined DBH of 51 cm. Minor dieback and thinning; Treehouse on tree Rotting cavity on 23 cm stem. Good form and vigour.	N/A	Remove due to Developme Remove due to Developme Remove due to Developme
i F F	Jlmus americana Fraxinus americana Populus x canadensis Populus x canadensis	American Elm White Ash Carolina Poplar Carolina Poplar	43 26 11 40	12 NA 3 12	Dead Good	Good form and vigour. Standing snag; EAB. Good form and vigour. Good form and vigour.	N/A N/A N/A N/A	Remove due to Developme Removed due to Condition Remove due to Developme Remove due to Developme
) F	Fraxinus americana Salix alba	White Ash	<u>40</u> 14,11 ,12,12,16,11,1	3	Poor	Two stems with a combined DBH of 18 cm; Almost dead; EAB. Multi-stemmed with a combined DBH of 33 cm; Stems fork near ground.	N/A N/A N/A	Remove due to Developme Remove due to Developme
	Salix alba Salix alba	White Willow 29 White Willow	,19,19,22,10,1 25,21,11	2,10 8	-	Multi-stemmed with a combined DBH of 49 cm; Stems fork near ground. Three stems with a combined DBH of 34 cm; Stems fork near ground.	N/A N/A	Remove due to Developme Remove due to Developme
- F	Robinia pseudoacacia Acer platanoides Picea pungens	Black Locust Norway Maple Colorado Blue Spruce	21,23 30,15,14 41	8 10 6	Fair-Good Good	Codominant stems with a combined DBH of 31 cm; Stems fork near ground; Included bark at stem union. Three stems with a combined DBH of 36 cm; Tar spots on leaves. Minor dieback and thinning.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
P F	Picea pungens Picea pungens Picea pungens Tilia americana	Colorado Blue Spruce Colorado Blue Spruce Colorado Blue Spruce Basswood	38 33 11,12,7,8,7	6 6 6 4	Fair-Good Good Fair-Good	Minor dieback and thinning. Minor dieback and thinning. Multi-stemmed with a combined DBH of 21 cm; Stems fork below breast height.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
- T	Tilia americana Acer saccharinum Acer saccharinum	Basswood Silver Maple Silver Maple	13,11,7,9 39,18 23,7,15,18	5 12 10	Good Good	Multi-stemmed with a combined DBH of 210 cm; Stems fork below breast height. Multi-stemmed with a combined DBH of 230 cm; Stems fork near ground. Two stems with a combined DBH of 43 cm; Included bark at stem union. Multi-stemmed with a combined DBH of 15 cm; Largest stem dead.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
4	Acer saccharinum Acer saccharinum Pinus nigra Populus x canadensis	Silver Maple Silver Maple Austrian Pine Carolina Poplar	12,6,7 18,19,21 11 76	5 10 3 16	Good Good	Three stems with a combined DBH of 15 cm; Largest stem dead. Three stems with a combined DBH of 34 cm; Included bark at stem union. Good form and vigour. Moderate dieback and thinning; Tree past maturity; Declining in health.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
F F	Pinus nigra Pinus nigra Pinus nigra Malus sp.	Austrian Pine Austrian Pine Austrian Pine Apple sp.	16 23 16 13	6 5 4	Fair-Good Fair-Good	Some chlorosis of needles. Some chlorosis of needles. Some chlorosis of needles. Some epicormic growth.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
۸ ا	Malus sp. Acer platanoides	Apple sp. Norway Maple	21 36,16	5 10	Fair Good	Some epicormic growth. Two stems with a combined DBH of 39 cm; Stems fork below breast height; Tar spots on eaves; Included bark at stem union.	N/A N/A	Remove due to Developme Remove due to Developme
	Fraxinus americana Malus sp. Acer platanoides	White Ash Apple sp. Norway Maple	11 23 53	3 5 12	Fair-Good Fair-Good	Almost dead; EAB. Rotting cavity above primary lateral branches ; Tar spots on leaves.	N/A N/A N/A	Removed due to Condition Remove due to Developme Remove due to Developme
G	Pinus nigra Quercus macrocarpa Abies balsamea	Austrian Pine Bur Oak 3 Balsam Fir	29 2,22,22,26,26 22	7 ,17 10 5	Fair	Minor dieback and thinning. Multi-stemmed with a combined DBH of 60 cm; Central stems are all dead. Moderate dieback and thinning.	N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
	Abies balsamea Abies balsamea Acer platanoides	Balsam Fir Balsam Fir Norway Maple	22 29 31 42	6 6 10	Fair-Good Fair-Good Good	Some chlorosis of needles. Some chlorosis of needles. Tar spots on leaves.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
. A . A	Malus sp. Acer platanoides Malus sp.	Apple sp. Norway Maple Apple sp.	42 25 15 33	6 5 8	Fair-Good Good Fair-Good	Minor dieback and thinning. Good form and vigour; Tar spots on leaves. Some Sapsucker damage to trunk; Minor dieback and thinning.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
ι Λ ι Λ	Aalus sp. Aalus sp. Aalus sp. Aalus sp.	Apple sp. Apple sp. Apple sp. Apple sp.	33 23 23 21	7 6 6 6	Fair-Good Fair-Good	Some Sapsucker damage to trunk. Minor dieback and thinning. Minor dieback and thinning. Minor dieback and thinning.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
n N	Malus sp. Malus sp.	Apple sp. Apple sp.	23 18	5	Fair-Good Fair-Good	Minor dieback and thinning. Minor dieback and thinning. Minor dieback and thinning. Multi-stemmed with a combined DBH of 31 cm; Stems fork near ground; Some black ribbon	N/A N/A	Remove due to Developme Remove due to Developme
<u>л</u>	Prunus avium Malus sp. Acer platanoides	Apple sp. Norway Maple	6,15,11,12,11 14 13	3	Good	several stems. Significant dieback; Tree almost dead. Good form and vigour.	N/A N/A N/A	Remove due to Developme Removed due to Conditio Remove due to Developme
F F	Picea pungens Picea pungens Picea pungens Picea pungens	Colorado Blue Spruce Colorado Blue Spruce Colorado Blue Spruce Colorado Blue Spruce	32 30 30 32	6 5 7 5	Fair Good	Tree uprooted and leaning towards the south. Lateral branches within lower half of tree dead Good vigour; Corrected lean. Tree slightly leaning towards the south.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
F F	Picea pungens Picea pungens Picea pungens	Colorado Blue Spruce Colorado Blue Spruce Colorado Blue Spruce	45 50 40	5 5 6 7	Fair-Good Fair-Good Good	Some dieback and chlorosis of needles. Minor dieback and chlorosis of needles. Good form and vigour; DBH approximate as trunk not accessible.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
F F	Picea pungens Picea pungens Acer platanoides	Colorado Blue Spruce Colorado Blue Spruce Norway Maple	35 43 24	7 7 6	Fair-Good Fair-Good Good	Minor dieback and chlorosis of needles. Minor dieback and chlorosis of needles. Good form and vigour.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
ι Λ · Λ	Aalus sp. Aalus sp. Aalus sp. Aalus sp.	Apple sp. Apple sp. Apple sp. Apple sp.	18 30 18 18	4 4 4 4	Fair-Good Fair-Good	Some epcormic growth on trunk. Some epicormic growth on trunk. Some epicormic growth on trunk. Some epicormic growth on trunk.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
	Malus sp. Malus sp. Fraxinus americana	Apple sp. Apple sp. White Ash	25 19 11	4 5 6 3	Fair-Good Fair-Good Poor	Some Sapsucker damage to trunk. Tree fruiting; Sapsucker damage to trunk. Almost dead; EAB.	N/A N/A N/A	Remove due to Developme Remove due to Developme Removed due to Condition
F F roup	Fraxinus americana Fraxinus americana A	White Ash White Ash	11 12	3	Poor-Fair	Almost dead EAB. Declining from EAB.	N/A N/A	Removed due to Condition Removed due to Condition
F	Thuja occidentalis Pinus nigra Pinus nigra Thuja occidentalis	Eastern White Cedar Austrian Pine Austrian Pine Eastern White Cedar	11 36 28 8,9	4 8 6 3	Fair-Good Fair Good	Some chlorosis of needles. Some dieback and thinning. Moderate dieback and thinning. Codominant stems with a combined DBH of 12 cm; Stems fork near ground.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
F F	Picea pungens Pinus nigra Pinus nigra	Colorado Blue Spruce Austrian Pine Austrian Pine	38 17 33	3 7 6 6	Fair-Good Fair-Good Fair-Good	Minor dieback and thinning. Some chlorosis of needles.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
F	Fraxinus americana Picea pungens Picea pungens	White Ash Colorado Blue Spruce Colorado Blue Spruce	48 16 22	NA 5 5	Dead Good Good	Potential risk tree. Good form and vigour. Good form and vigour. Good form and vigour.	N/A N/A N/A	Removed due to Conditio Remove due to Developme Remove due to Developme Remove due to Developme
F	Picea pungens Fraxinus pennsylvanica Fraxinus pennsylvanica	Colorado Blue Spruce Green Ash Green Ash	19 12 26	3 NA	Poor Dead	Good form and vigour. Tree almost dead as a result of infestation from Emerald Ash Borer. Potential risk tree. Three stems with a combined DBH of 22 cm; Tree almost dead as a result of infestation from	N/A N/A N/A	Remove due to Developme Removed due to Condition Removed due to Condition
F	raxinus pennsylvanica raxinus pennsylvanica raxinus pennsylvanica	Green Ash Green Ash Green Ash	15,11,11 10 11	4 2 3	Poor Poor Poor	Emerald Ash Borer. Tree almost dead as a result of infestation from Emerald Ash Borer. Tree almost dead as a result of infestation from Emerald Ash Borer.	N/A N/A N/A	Removed due to Condition Removed due to Condition Removed due to Condition
F	Fraxinus pennsylvanica Thuja occidentalis	Green Ash Eastern White Cedar	14,13 13,9	5 4	Poor Fair-Good	Two stems with a combined DBH of 19 cm; Tree almost dead as a result of infestation from Emerald Ash Borer. Two stems with a combined DBH of 16 cm; Some chlorosis of needles. Three stems with a combined DBH of 13 cm; Stems growing horizontally along ground; Som	N/A N/A	Removed due to Condition Remove due to Developme
S	Thuja occidentalis Salix sp. Fraxinus americana	Eastern White Cedar Willow sp. White Ash	8,7,7 23,22,13 46	3 7 NA	Dead	chlorosis of needles. Three stems with a combined DBH of Good vigour; Stems fork near ground.	N/A N/A N/A	Remove due to Developme Remove due to Developme Removed due to Condition
F	Acer saccharinum Populus x canadensis Picea glauca	Silver Maple Carolina Poplar White Spruce	21 17 30	6 5 7	Fair-Good Good Good	Overextending lower lateral branch. Good form and vigour Good form and vigour ; DBH approximate as trunk not accessible.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
F	"huja occidentalis Populus x canadensis Picea glauca "huja occidentalis	Eastern White Cedar Carolina Poplar White Spruce Eastern White Cedar	15 54 22 10	5 16 5 3	Good	Some chlorosis of needles. Good form and vigour Some chlorosis of needles.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
F F	Picea glauca Pinus nigra Pinus nigra	White Spruce Austrian Pine Austrian Pine	32 35 13	3 6 4 4	Good Fair-Good Fair-Good	Good form and vigour. Some chlorosis of needles. Some chlorosis of needles.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
F T	huja occidentalis Pinus nigra huja occidentalis	Eastern White Cedar Austrian Pine Eastern White Cedar	13 17 12	5 3 3	Fair-Good Fair Fair-Good	Some chlorosis of needles. Moderate dieback and thinning. Some chlorosis of needles.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
F	Thuja occidentalis Pinus nigra Picea glauca Thuja occidentalis	Eastern White Cedar Austrian Pine White Spruce Eastern White Cedar	15 17 22 13,6	3 NA 5 4	Fair-Good Dead Fair-Good	Some chlorosis of needles. No needles. Chlorosis of needles; Seeding significantly. Two stems with a combined DBH of 14 cm; Some chlorosis of needles.	N/A N/A N/A N/A	Remove due to Developme Removed due to Condition Remove due to Developme Remove due to Developme
7 7 F	Thuja occidentalis Thuja occidentalis Pinus nigra	Eastern White Cedar Eastern White Cedar Austrian Pine	16 12 16	3 4 NA	Poor Fair Dead	Leader and top of crown dead; Tree declining in health. Moderate dieback and thinning. No needles.	N/A N/A N/A	Removed due to Condition Remove due to Developme Removed due to Condition
F F	huja occidentalis Pinus nigra Pinus nigra	Eastern White Cedar Austrian Pine Austrian Pine	15 16 11	3 3 2	Fair-Good Poor-Fair Fair-Good	Some chlorosis of needles. Tree declining in health. System bends at ~ 2m from ground.	N/A N/A N/A	Remove due to Developme Removed due to Condition Remove due to Developme
F	Populus x canadensis Thuja occidentalis Pinus nigra Jlmus americana	Carolina Poplar Eastern White Cedar Austrian Pine American Elm	52 16 19 39	14 4 3 7	Fair-Good Fair	Some minor dieback and thinning. Chlorosis of needles. Moderate dieback and thinning. Relatively good vigour.	N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
F	raxinus americana raxinus pennsylvanica Acer saccharinum huja occidentalis	Green Ash Silver Maple Eastern White Cedar	39 23 39 21	7 3 12 4	Poor Fair-Good	Tree almost dead as a result of infestation from Emerald Ash Borer. Minor dieback and thinning. Some chlorosis of needles	N/A N/A N/A N/A	Removed due to Developme Removed due to Condition Remove due to Developme Remove due to Developme
T F	Fhuja occidentalis Pinus nigra	Eastern White Cedar Austrian Pine	21,21,13 26 22	4	Fair-Good Fair-Good	Three stems with a combined DBH of 32 cm; Some chlorosis of needles; Stems fork near ground. Minor dieback.	N/A N/A	Remove due to Developme Remove due to Developme
F	Thuja occidentalis Pinus nigra Thuja occidentalis Pinus nigra	Eastern White Cedar Austrian Pine Eastern White Cedar	22 24 16 25	4 6 4 6	Fair-Good Fair-Good	Some chlorosis of needles. Minor dieback and thinning. Some chlorosis of needles. Minor dieback and thinning.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
F T F	Pinus nigra Thuja occidentalis Pinus nigra	Austrian Pine Austrian Pine Eastern White Cedar Austrian Pine	25 10,5 21	6 5 3 5	Fair-Good Fair-Good Fair-Good	Minor dieback and thinning. Two stems with a combined DBH of 11 cm; Some chlorosis of needles. Minor dieback and thinning.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme
7 7 F	Thuja occidentalis Thuja occidentalis Picea pungens	Eastern White Cedar Eastern White Cedar Colorado Blue Spruce	13 11 40	3 3 6	Fair-Good	Some chlorosis of needles. Some chlorosis of needles.	N/A N/A N/A N/A	Remove due to Developme Remove due to Developme Remove due to Developme Remove due to Developme
roup /	B Acer saccharinum	Silver Maple	18,18,17,16,16	6,9 12	Fair-Good	Multi-stemmed with a combined DBH of 39 cm; Stems fork near ground; Included bark at stem union.	N/A	Remove due to Developme
F	Acer saccharinum Fraxinus americana Acer saccharinum Fraxinus americana	Silver Maple White Ash Silver Maple White Ash	12 13 12 13	5 3 5 4	Poor Good	Good form and vigour. Almost dead; EAB. Good form and vigour. Almost dead.	N/A N/A N/A N/A	Remove due to Developme Removed due to Condition Remove due to Developme Removed due to Condition
4	Fraxinus americana Acer saccharinum Acer saccharinum Acer saccharinum	White Ash Silver Maple Silver Maple Silver Maple	13 25,20,13 18 66	4 8 5 16	Fair-Good Fair-Good	Three stems with a combined DBH of 35 cm; Stems fork near ground. Suppressed on north side of tree. Good vigour; Included bark at branch union.	N/A N/A N/A N/A	Removed due to Condition Remove due to Developme Remove due to Developme Remove due to Developme
) T ) F	Fhuja occidentalis Picea glauca	Eastern White Cedar White Spruce	11,10,5 27	4	Fair-Good Fair-Good	Three stems with a combined DBH of 16 cm; Stems fork near ground; Some chlorosis of needles. Dead lower lateral branches due to overcrowding.	N/A N/A	Remove due to Developme Remove due to Developme
F F	Picea glauca Picea glauca Picea glauca	White Spruce White Spruce White Spruce	21 23 16	6 6 5	Fair-Good Fair-Good	Dead lower lateral branches due to overcrowding. Dead lower lateral branches due to overcrowding. Dead lower lateral branches due to overcrowding.	N/A N/A N/A	Remove due to Developmen Remove due to Developmen Remove due to Developmen Remove due to Developmen
	Picea glauca Picea glauca	White Spruce White Spruce White Spruce	18 26	5 6 4	Fair-Good	Dead lower lateral branches due to overcrowding. Dead lower lateral branches due to overcrowding. Dead lower lateral branches due to overcrowding.	N/A N/A	Remove due to Development Remove due to Development Remove due to Development

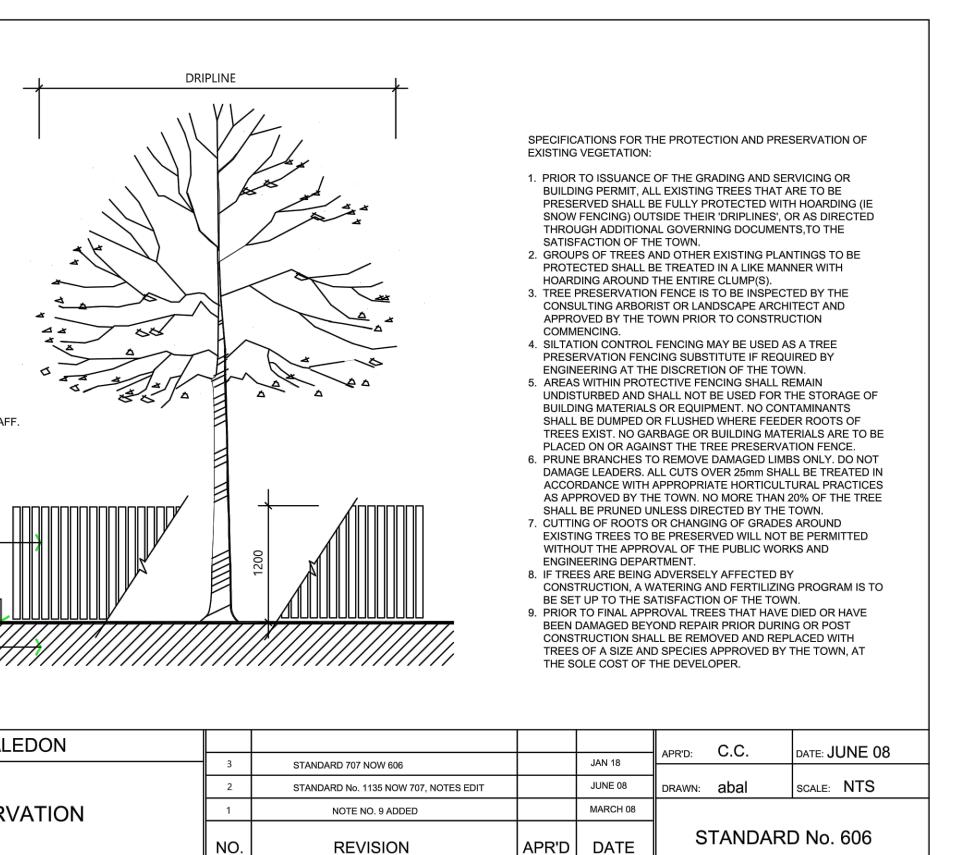
Tag/Tree No. 418	Scientific Name	Common Name Eastern White Cedar	DBH (cm) 14,9,19	Crown Diameter (m) 4	Condition1 Fair-Good	Comments Three stems with a combined DBH of 25 cm; Stems fork near ground; Some chlorosis of	TPZ Radius2 (m) N/A	Preservation Recommendat Remove due to Devel
418 419 422 423	Picea glauca Thuja occidentalis Picea glauca	White Spruce Eastern White Cedar White Spruce	23 11 19	4 5 3 4	Fair-Good	heedles. Dead lower lateral branches due to overcrowding. Tree declining in health. Moderate dieback and thinning; Dead lower branches.	N/A N/A N/A N/A	Remove due to Devel Removed due to Co Remove due to Devel
424 425 426	Picea glauca Picea glauca Picea glauca	White Spruce White Spruce White Spruce	14 23 17	5 5	Fair Fair-Good Fair-Good	Moderate dieback and thinning; Dead lower branches. Dead lower branches due to overcrowding. Dead lower branches due to overcrowding.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
427 428 429 430	Picea glauca Picea glauca Picea glauca Picea glauca	White Spruce White Spruce White Spruce White Spruce	15 10 21 21	4 3 5 5	Fair Fair-Good	Dead lower branches due to overcrowding. Dead lower branches due to overcrowding. Dead lower branches due to overcrowding. Dead lower branches due to overcrowding.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
430 431 453 454	Picea glauca Picea glauca Picea glauca Picea glauca	White Spruce White Spruce White Spruce White Spruce	21 23 25,15 18	5 5 6 3	Fair-Good	Dead lower branches due to overcrowding. Two stems with a combined DBH of 29 cm; Minor dieback and thinning. Evidence of fire at base of tree; Moderate dieback and chlorosis of needles.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
455 456 457	Pinus nigra Pinus nigra Pinus nigra	Austrian Pine Austrian Pine Austrian Pine	12 12 11	2 2 2 2	Fair Fair Fair	Moderate dieback. Moderate dieback. Moderate dieback.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
458 459 460	Pinus nigra Picea glauca Picea glauca Bicea glauca	Austrian Pine White Spruce White Spruce	13 14 13	2 2 2	Fair-Good	Moderate dieback. Branches concentrated at top of tree. Branches concentrated at top of tree.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
461 462 463	Picea glauca Thuja occidentalis Pinus nigra	White Spruce Eastern White Cedar Austrian Pine	18 11 15	4 3 3	Good Fair	Minor dieback. Good form and vigour. Moderate dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
464 465 466 467	Thuja occidentalis Pinus nigra Pinus nigra Pinus nigra	Eastern White Cedar Austrian Pine Austrian Pine Austrian Pine	13 18 13 12	3 3 3 3	Fair-Good Fair Fair Fair	Some chlorosis of needles. Moderate dieback and thinning. Moderate dieback and thinning. Moderate dieback and thinning.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
467 468 469 470	Pinus nigra Pinus nigra Pinus nigra	Austrian Pine Austrian Pine Austrian Pine	12 14 18 13	3 4 3	Fair Fair Fair Fair	Moderate dieback and thinning. Moderate dieback and thinning. Moderate dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
471 472 473	Thuja occidentalis Pinus nigra Picea glauca	Eastern White Cedar Austrian Pine White Spruce	10 14,11,8 20	3 5 5	Fair-Good Fair-Good	Some chlorosis of needles. Three stems with a combined DBH of 20 cm; Minor dieback; Stems fork at ground. Minor dieback.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
474 475 476	Picea glauca Picea glauca Picea glauca	White Spruce White Spruce White Spruce	13 10 12	4 3 3	Fair-Good Fair-Good	Minor dieback and thinning. Minor dieback and thinning. Minor dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
477 478 479	Picea glauca Picea glauca Picea glauca	White Spruce White Spruce White Spruce	14 15 16	3 4 4	Fair-Good Fair-Good	Minor dieback and thinning. Minor dieback and thinning. Minor dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
482	Robinia pseudoacacia Robinia pseudoacacia Picea glauca	Black Locust Black Locust White Spruce	11 23 13	5 5 3	Fair-Good Fair-Good	Good form and vigour. Minor dieback and thinning. Minor dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
483 484 485 486	Picea glauca Picea pungens Robinia pseudoacacia Picea glauca	White Spruce Colorado Blue Spruce Black Locust White Spruce	24 15 11 26	5 4 5	Fair-Good Good	Minor dieback and thinning. Minor dieback and thinning. Good form and vigour. Minor dieback and thinning.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
486 487 488 489	Picea glauca Picea glauca Robinia pseudoacacia Picea pungens	White Spruce White Spruce Black Locust Colorado Blue Spruce	20 14 12 34	3 4 6	Fair-Good Good	Minor dieback and thinning. Good form and vigour. Minor dieback and thinning.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
409 490 491	Picea pungens Robinia pseudoacacia	Colorado Blue Spruce Black Locust	26 19,23	5 6		Minor dieback and thinning. Two stems with a combined DBH of 30 cm; Stems fork just below breast height; Included	N/A N/A N/A	Remove due to Deve Remove due to Deve
492 493 494	Picea pungens Robinia pseudoacacia Acer negundo	Colorado Blue Spruce Black Locust Manitoba Maple	20 16 18,15	5 6 7	Good	bark at stem union. Minor dieback and thinning. Good form and vigour. Two stems with a combined DBH of 23 cm; Stems fork near ground; Typical form.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
495	Robinia pseudoacacia Robinia pseudoacacia	Black Locust Black Locust	16,16 18,11	7 6		Codominant stems with a combined DBH of 23 cm; Stems fork near ground. Two stems with a combined DBH of 21 cm; Stems fork near ground; Included bark at stem union.		Remove due to Deve Remove due to Deve
499	Robinia pseudoacacia Robinia pseudoacacia Robinia pseudoacacia	Black Locust Black Locust Black Locust	11 23 12	4 5 3	Good Fair-Good	Stem bending towards the top. Good form and vigour. Good health and vigour.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
500 501 502	Picea pungens Picea pungens Picea pungens	Colorado Blue Spruce Colorado Blue Spruce Colorado Blue Spruce	14 11 12	3 NA 3	Fair-Good Dead Fair	Minor dieback and thinning. Standing snag. Moderate dieback and thinning.	N/A N/A N/A	Remove due to Devel Removed due to Co Remove due to Devel
503 504 505 506	Picea pungens Picea pungens Picea pungens Thuia occidentalis	Colorado Blue Spruce Colorado Blue Spruce Colorado Blue Spruce Fastern White Cedar	22 18 19 11 11	4 3 4 3	Fair-Good Fair-Good	Minor dieback and thinning. Minor dieback and thinning. Minor dieback and thinning Codominant stems with a combined DBH of 16 cm: Some chlorosis of needles		Remove due to Devel Remove due to Devel Remove due to Devel Remove due to Devel
506 507 508 510	Thuja occidentalis Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar Eastern White Cedar	11,11 15 11 14	3 4 3 3	Fair-Good Fair-Good	Codominant stems with a combined DBH of 16 cm; Some chlorosis of needles. Some chlorosis of needles. Some chlorosis of needles. Some chlorosis of needles.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
510 511 512 Tree Grou	Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar	14 14 12	3 3 3	Fair-Good	Some chlorosis of needles. Some chlorosis of needles. Some chlorosis of needles.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
514	Fraxinus americana	White Ash	14,14,15,12,7	3	Poor	Multi-stemmed with a combined DBH of 29 cm; Almost dead; EAB. Two stems with a combined DBH of 15 cm; Relatively good health; No evidence of EAB	N/A	Removed due to Co
515 516	Fraxinus americana Acer saccharinum	White Ash Silver Maple	13,8 72,30	5 17	Fair-Good Fair-Good	damage. Two stems with a combined DBH of 78 cm; Good form and vigour; Minor dieback and thinning.	N/A N/A	Remove due to Deve Remove due to Deve
517 518 519	Populus tremuloides Populus tremuloides Fraxinus americana	Trembling Aspen Trembling Aspen White Ash	19 18 12	5 5 3	Good Good Poor	thinning. Good form and vigour. Good form and vigour. Almost dead; EAB.	N/A N/A N/A	Remove due to Deve Remove due to Deve Removed due to Co
519 520 521 522	Praxinus americana Pinus sylvestris Pinus sylvestris Pinus sylvestris	VVIIte Asn Scots Pine Scots Pine Scots Pine	12 35 10 14	3 6 3 4	Fair Fair-Good	Almost dead; EAB. Minor dieback and thinning. Some chlorosis of needles. Some chlorosis of needles.	N/A N/A N/A N/A	Removed due to Co Remove due to Deve Remove due to Deve Remove due to Deve
523 524 525	Pinus sylvestris Picea glauca Pinus sylvestris	Scots Pine White Spruce Scots Pine	18 21 24	4 6 6	Fair-Good Good	Some chlorosis of needles. Good form and vigour. Minor dieback and thinning,	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
526 527 528	Populus tremuloides Populus tremuloides Pinus sylvestris	Trembling Aspen Trembling Aspen Scots Pine	17 22 27	5 6 6	Good Fair-Good	Good form and vigour. Good form and vigour. Minor dieback and thinning; Sapsucker damage to trunk.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
529 530 531	Pinus nigra Pinus nigra Pinus nigra	Austrian Pine Austrian Pine Austrian Pine	30 21 27	6 5 6	Fair-Good Fair-Good	Minor dieback and thinning. Minor dieback and thinning. Minor dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
532 533 534	Pinus nigra Salix alba Fraxinus americana	Austrian Pine White Willow White Ash	52 32 19	8 8 7	Good Fair-Good	Minor dieback and thinning. Good form and vigour. Relatively good health, No obvious decline from EAB.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
535 536 537	Fraxinus americana Fraxinus americana Fraxinus americana	White Ash White Ash White Ash	12 12 39	4 2 NA		Moderate dieback and thinning; Declining as a result of EAB; Epicormic growth. Almost dead; EAB. Dead tree; EAB.	N/A N/A N/A	Remove due to Devel Removed due to Co Removed due to Co
538 539 540 541	Picea glauca Pinus nigra Pinus nigra Pinus nigra	White Spruce Austrian Pine Austrian Pine Austrian Pine	17 40 15 37	5 8 5 5	Fair-Good Fair-Good Fair Fair	Minor dieback and thinning. Minor dieback and thinning; Sapsucker damage to trunk. Moderate dieback and thinning. Leader snapped; Moderate dieback and thinning.	N/A N/A N/A N/A	Remove due to Devel Remove due to Devel Remove due to Devel Remove due to Devel
542 543	Picea glauca Pinus sylvestris Pinus sylvestris	White Spruce       Scots Pine       Scots Pine	17 28 18	5 5 5 5	Fair-Good Fair-Good	Minor dieback and thinning. Minor dieback and thinning. Some chlorosis of needles.	N/A N/A N/A N/A	Remove due to Devel Remove due to Devel Remove due to Devel Remove due to Devel
545 546 547	Pinus sylvestris Picea glauca Pinus sylvestris	Scots Pine White Spruce Scots Pine	20 17 17	5 4 5	Good Fair-Good	Good form and vigour. Minor dieback and thinning. Good form and vigour.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
548 549 550	Pinus sylvestris Pinus sylvestris Pinus sylvestris	Scots Pine Scots Pine Scots Pine	24 18 28,8,17,22	4 4 7	Good Good	Good form and vigour. Good form and vigour. Multi-stemmed with a combined DBH of 34 cm; Stems fork at ground.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
551 552 553 554	Quercus rubra Quercus rubra Picea glauca	Red Oak Red Oak White Spruce	13 49 23 17,15	6 14 5	Good Fair-Good	Good form and vigour. Good form and vigour. Minor dieback and thinning.	N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
555	Picea glauca Picea glauca Picea glauca	White Spruce White Spruce White Spruce	35 34	5 5 6	Fair-Good Fair-Good	Codominant stems with a combined DBH of 23 cm; Minor dieback and thinning. Minor dieback and thinning. Minor dieback and thinning.		Remove due to Deve Remove due to Deve Remove due to Deve
557 558 559	Picea glauca Picea glauca Quercus rubra	White Spruce White Spruce Red Oak	18 35 14	4 7 7 7	Fair-Good Fair	Minor dieback and thinning. Minor dieback and thinning. Vertical wounds all along north side of trunk and branches. Trunk girdling from chain-link fence.	N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
	Quercus rubra Pinus nigra Betula papyrifera Pinus nigra	Red Oak Austrian Pine White Birch Austrian Pine	20 28,18 24 33	7 5 6 8	Fair-Good Good	Two stems with a combined DBH of 33 cm; Minor dieback and thinning; Smaller stem dead. Good form and vigour. Some chlorosis of needles.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
563 564 565 566	Pinus nigra Pinus nigra Fraxinus americana	Austrian Pine Austrian Pine White Ash	22,20,25 44 30	6 8 4		Three stems with a combined DBH of 39 cm; Good form and vigour. Good form and vigour. Almost dead; EAB.	N/A N/A N/A	Remove due to Devel Remove due to Devel Removed due to Co
567 568 569	Populus x canadensis Pinus nigra Pinus nigra	Carolina Poplar Austrian Pine Austrian Pine	33,17 33	6 7 7	Good Good Good	Two stems with a combined DBH of 37 cm; Good form and vigour; Stems fork near ground. Good form and vigour. Good form and vigour.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
570 571	Populus x canadensis Pinus nigra	Carolina Poplar Austrian Pine	39 53 12,13	12 4	Fair Fair	Large vertical rotting wound at base of tree; Moderate dieback and thinning. Codominant stems with a combined DBH of 18 cm; Moderate dieback and thinning; Stems fork near ground.	N/A N/A	Remove due to Deve Remove due to Deve
572 573 574	Populus x canadensis Populus x canadensis Populus x canadensis	Carolina Poplar Carolina Poplar Carolina Poplar	49 66 47	7 NA NA	Fair Dead Dead	Moderate dieback and thinning; Tree past maturity and declining in health. Potential risk tree. Potential risk tree.	N/A N/A N/A	Remove due to Deve Removed due to Co Removed due to Co
574 575 576	Populus x canadensis Populus x canadensis Populus x canadensis Populus x canadensis	Carolina Poplar Carolina Poplar Carolina Poplar Carolina Poplar	40 20 40	NA NA NA	Dead Dead Dead	Potential risk tree. Potential risk tree. Potential risk tree.	N/A N/A N/A	Removed due to Co Removed due to Co Removed due to Co
577 578 579 Tree Grou	Populus x canadensis Populus x canadensis Fraxinus americana p D	Carolina Poplar Carolina Poplar White Ash	47,30 16 30	NA 5 4	Dead Good Poor	Two stems with a combined DBH of 56 cm; Potential risk tree. Good form and vigour. Almost dead; EAB.	N/A N/A N/A	Removed due to Co Remove due to Devel Removed due to Co
	p D Picea glauca Picea glauca Picea glauca	White Spruce White Spruce White Spruce	27 13 18	5 4 5		Moderate dieback and thinning. Minor dieback and thinning. Minor dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
582 583 584 585	Picea glauca Pinus nigra Pinus nigra Pinus nigra	White Spruce Austrian Pine Austrian Pine Austrian Pine	18 24 30 29	5 5 5 6	Fair Fair-Good	Minor dieback and thinning. Moderate dieback and thinning. Minor dieback and thinning. Minor dieback and thinning.		Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
585 586 587 588	Pinus nigra Pinus nigra Pinus nigra Pinus nigra	Austrian Pine Austrian Pine Austrian Pine Austrian Pine	29 21 11 16	4 3 3	Fair Fair Fair	Moderate dieback and thinning. Leader snapped; Moderate dieback and thinning. Relatively small crown; Moderate dieback and thinning.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
589 590 591	Pinus nigra Picea glauca Pinus nigra	Austrian Pine White Spruce Austrian Pine	22 17 30	3 4 3 4	Fair-Good Fair Fair-Good	Minor dieback and thinning. Moderate dieback and thinning. Minor dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
592 593 594	Pinus nigra Picea glauca Pinus nigra	Austrian Pine White Spruce Austrian Pine	13 18 24	NA 4 4	Dead Fair Fair	Potential risk tree; Stem snapped and hanging ~ 5 m from ground. Moderate dieback and thinning. Moderate dieback and thinning.	N/A N/A N/A	Removed due to Co Remove due to Deve Remove due to Deve
595 596 597	Pinus nigra Pinus nigra Pinus nigra	Austrian Pine Austrian Pine Austrian Pine	22 24 18	NA 6 3	Dead Fair-Good Fair	Potential risk tree. Minor dieback and some chlorosis of needles. Moderate dieback and thinning.	N/A N/A N/A	Removed due to Co Remove due to Deve Remove due to Deve
598 599 600	Pinus nigra Pinus nigra Pinus nigra Eravinus americana	Austrian Pine Austrian Pine Austrian Pine	25 27 26	NA 5 5	Dead Poor Fair	Potential risk tree. Significant dieback and thinning. Moderate dieback and thinning.	N/A N/A N/A	Removed due to Co Removed due to Co Remove due to Deve
601 602 603 604	Fraxinus americana Thuja occidentalis Thuja occidentalis Thuja occidentalis	White Ash Eastern White Cedar Eastern White Cedar Eastern White Cedar	30 10,5,5 9,9 12,8,5	3 3 3 2	Fair-Good	Almost dead; EAB. Three stems with a combined DBH of 12 cm; Some chlorosis of needles. Codominant stems with a combined DBH of 13 cm; Some chlorosis of needles. Three stems with a combined DBH of 15 cm; Some chlorosis of needles.	N/A N/A N/A N/A	Removed due to Co Remove due to Deve Remove due to Deve Remove due to Deve
604 605 606 607	Thuja occidentalis Thuja occidentalis Thuja occidentalis Pinus nigra	Eastern White Cedar Eastern White Cedar Eastern White Cedar Austrian Pine	12,8,5 13,6 21,10,17,7 23	3 3 4 4	Fair-Good	I hree stems with a combined DBH of 15 cm; Some chlorosis of needles. Two stems with a combined DBH of 14 cm; Some chlorosis of needles. Multi-stemmed with a combined DBH of 30 cm; Some chlorosis of needles. Moderate dieback and thinning.		Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
607 608 609 610	Juglans nigra Thuja occidentalis Thuja occidentalis	Black Walnut Eastern White Cedar Eastern White Cedar	37 12,11 6,15	4 11 3 3	Good Fair-Good Fair-Good	Good form and vigour. Codominant stems with a combined DBH of 16 cm; Some chlorosis of needles. Two stems with a combined DBH of 16 cm; Some chlorosis of needles.		Remove due to Deve Remove due to Deve Remove due to Deve
611 612 613	Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar	11,5 17 14	3 3 3	Poor-Fair Fair-Good Fair-Good	Two stems with a combined DBH of 12 cm; Tree declining in health; Many dead branches. Some chlorosis of needles. Some chlorosis of needles.	N/A N/A N/A	Removed due to Co Remove due to Deve Remove due to Deve
614 615 616	Thuja occidentalis Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar	15,6 14 17,8,6	3	Fair-Good Fair-Good Fair-Good	Two stems with a combined DBH of 16 cm; Some chlorosis of needles. Some chlorosis of needles. Three stems with a combined DBH of 20 cm; Some chlorosis of needles.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
617 618 619 620	Thuja occidentalis Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar	15,6 13 12 17	3 2 2 4	Fair-Good	Two stems with a combined DBH of 16 cm; Some chlorosis of needles. Some chlorosis of needles. Some chlorosis of needles. Chlorosis of needles; Moderate dieback and thinning.	N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
621	Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar	17 13,10 22	4 3 4	Fair	Two stems with a combined DBH of 16 cm; Chlorosis of needles; Moderate dieback and thinning.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
622 623 624 625	l huja occidentalis Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar Eastern White Cedar	22 19,10 13,10 10,12,11,5	4 4 3 4	Fair-Good Fair-Good	Some chlorosis of needles. Two stems with a combined DBH of 21 cm; Some chlorosis of needles. Two stems with a combined DBH of 16 cm; Some chlorosis of needles. Multi-stemmed with a combined DBH of 20 cm; Some chlorosis of needles.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
625 626 627 628	Thuja occidentalis Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar Eastern White Cedar	10,12,11,5 14,14,10 15 16	4 3 3 2	Fair-Good Fair-Good	Multi-stemmed with a combined DBH of 20 cm; Some chlorosis of needles. Three stems with a combined DBH of 22 cm; Some chlorosis of needles. Some chlorosis of needles. Some chlorosis of needles; Moderate dieback.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve Remove due to Deve
628 629 630	Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar	16 8,8,7 15,13	2 2 3	Poor-Fair	Three stems with a combined DBH of 13 cm; Tree declining in health; Few needles at top of crown. Godominant stems with a combined DBH of 20 cm; Some chlorosis of needles.	N/A N/A N/A	Removed due to Deve Removed due to Co Remove due to Deve
630 631 632 633	Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar Eastern White Cedar	13,13 14 15 10,7,6	3 3 3 3	Fair-Good Fair-Good	Some chlorosis of needles. Some chlorosis of needles. Three stems with a combined DBH of 14 cm; Some chlorosis of needles.	N/A N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
634 635 636	Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar	17 17 13,8	3 3 3	Fair-Good Fair-Good Fair-Good	Some chlorosis of needles. Some chlorosis of needles. Two stems with a combined DBH of 15 cm; Some chlorosis of needles.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
637 638 639	Thuja occidentalis Thuja occidentalis Thuja occidentalis	Eastern White Cedar Eastern White Cedar Eastern White Cedar	10,12,22 5,5,8 20,9	3 2 4	Fair-Good Fair-Good Fair-Good	Three stems with a combined DBH of 27 cm; Some chlorosis of needles. Three stems with a combined DBH of 11 cm; Some chlorosis of needles. Two stems with a combined DBH of 22 cm; Some chlorosis of needles.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
640 641 NT1	Thúja occidentalis Pinus nigra Picea pungens	Eastern White Cedar Austrian Pine Colorado Blue Spruce	11,6 33 31	3 7 7 7	Fair-Good Fair-Good Fair-Good	Two stems with a combined DBH of 13 cm; Some chlorosis of needles. Minor dieback and thinning. Suppressed on south side of tree.	N/A N/A N/A	Remove due to Deve Remove due to Deve Remove due to Deve
642 643 645	Fraxinus americana Pinus nigra Pinus nigra	White Ash Austrian Pine Austrian Pine	25 32,12,19,11 24,30	3 7 7	Fair-Good Good	Almost dead; EAB. Multi-stemmed with a combined DBH of 41 cm; Minor dieback and thinning. Two stems with a combined DBH of 38 cm; Good form and vigour. Minor dieback and thinning.	N/A N/A N/A	Removed due to Co Remove due to Deve Remove due to Deve Remove due to Deve
646	Picea pungens	Colorado Blue Spruce	36	6	hood		N/A	Remove due to Deve

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TREE PF	ROTECTION NOTES
	TREE PROTECTION FENCING TO BE ERECTED AS INDICATED ON THE LANDSCAPE PLAN AND SHALL REMAIN INTACT UNTIL DIRECTED BY TOWN STAF
	STANDARD 1200mm HIGH SNOW FENCE SECURED TO T-BAR STAKES AT MIN. 2400mm O.C.
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# AND DETAILS



		SPECIFICATIONS continued from previous panel							
rom the tree p removal and/o e activities and prist prior to the prior to the con- ree Protection 06 at the limits of the limits of a the limi	erial enters the protection or crown re to be he installation mmencement a Zone barrier s shown on the al, whichever is sides of the on. The sign ite gator board <i>y</i> , or as directed	<ul> <li>construction. There will be no grade changes, dumping, materials, structures or equipment within these areas. The Barrier must not be removed without the written authorize Caledon.</li> <li>2. Minor grading works will be permitted at the edge of the required to correct localized depressions, and blend to envork to be undertaken under the direct supervision of an 3. A certified ISA arborist will undertake proper root pruning acceptable arboriculture practices when and if roots of reexposed, damaged, or severed by construction work. The be backfilled with appropriate material as soon as possibil desiccation. Root pruning prior to excavation will help prodamage to tree roots. The use of low pressure hydrovach recommended, at no additional cost.</li> <li>4. The Town of Caledon must be notified for all work that in temporary removal of a section of hoarding to gain access other works. All works are to be supervised by the Town</li> <li>5. No cables, wire or ropes of any kind shall be wrapped arrives to be preserved.</li> <li>6. No contaminants will be dumped or flushed in the TPZ areas).</li> <li>7. Irrigate tree protection zones during drought conditions, reduce drought stress.</li> </ul>	ing Construction Phase areas within the TPZ shall remain undisturbed for the duration of struction. There will be no grade changes, dumping, and storage of any erials, structures or equipment within these areas. The Tree Protection ier must not be removed without the written authorization of the Town of edon. or grading works will be permitted at the edge of the preservation zone as ared to correct localized depressions, and blend to existing grades. This is to be undertaken under the direct supervision of an ISA certified arborist. ertified ISA arborist will undertake proper root pruning in accordance with eptable arboriculture practices when and if roots of retained trees are to be based, damaged, or severed by construction work. The exposed roots will ackfilled with appropriate material as soon as possible to prevent ccation. Root pruning prior to excavation will help prevent necessary are to tree roots. The use of low pressure hydrovac to expose roots is mmended, at no additional cost. Town of Caledon must be notified for all work that impacts the TPZ for porary removal of a section of hoarding to gain access for fine grading or er works. All works are to be supervised by the Town of Caledon. so the preserved. contaminants will be dumped or flushed in the TPZ areas or where feeder s of trees exist (generally beyond the TPZ areas). ate tree protection zones during drought conditions, June to September to the ding to the stress. ect the site daily to ensure hoarding is in place and in good condition.		<ul> <li>D. <u>Post Construction Phase</u></li> <li>1. Following the completion of all site works including landscapt review and approval by the Town of Caledon staff, the protectimaty be removed.</li> <li>2. After removal of the protective hoarding, the Tree Preservations inspected by the Town of Caledon staff. Any remaining death hazardous limbs or trees are to be removed by an ISA certification of all specifications.</li> <li>Post Consulting arborist or Town of Caledon staff.</li> </ul>		the protectiv Preservation ining dead, di ISA certified	ective hoarding tion Zones shall be d, diseased, or fied arborist as	
B.B.	DATE: AUGUST 17	TOWN OF CALEDON					APR'D:	B.B.	DATE: AUGUST 17
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acluding landscaping, and after on staff, the protective hoarding e Tree Preservation Zones shall be y remaining dead, diseased, or d by an ISA certified arborist as of Caledon staff.	NORTH ARROW SEAL
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APR'D: B.B. DATE: AUGUST 17 DRAWN: B.M. SCALE: NTS STANDARD No. 711	SHEET TITLE TREE INVENTORY AND PRESERVATION PLAN
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A total of 401 individual trees (i.e., including the entirety of Tree Groups A to D) are proposed for removal, composed of 349 trees that are at least 10 cm DBH and in fair condition, and 52 trees that are recommended for removal due to their condition (i.e., potential risk, in a state of decline, in poor condition, or dead). There are two trees that are recommended for preservation. Tree preservation and removal recommendations may need to be updated during the final design stage when additional pertinent studies including but not limited to grading plans, functional servicing reports, and stormwater management reports become available.

Detailed tree preservation and removal recommendations are provided below and shown in TIPP **Drawings TP-1** to **TP-3**.

#### 4.1 Trees Proposed for Removal

Trees located within the area that will be affected by the footprint of the proposed development are proposed for removal. On this basis, 349 trees that are at least 10 cm DBH and that range from fair to good condition, are proposed for removal.

The 348 trees include: Tree Nos. 296, 299 to 312, 314 to 316, 318, 319, 384 to 395, 420, 421, 433 to 435, 439 to 441, 443 to 445, 447, 448, 450 to 452, 513, 647 to 663, 665 to 682, 684 to 700; Tree Nos. 321 to 327, 329 to 331, 338 to 340, 342 to 355, 357, 358, 360, 362, 364 to 368, 370 to 383 within **Tree Group A**; Tree Nos. 401, 402, 404, 406 to 419, 423 to 431, 453 to 500, 502 to 512 within **Tree Group B**; Tree Nos. 515 to 518, 520 to 535, 538 to 565, 567 to 572, and 578 within **Tree Group C**; and Tree Nos. 580 to 591, 593, 594, 596, 597, 600, 602 to 610, 612 to 628, 630 to 641, 645, 646, and NT1 within **Tree Group D**.

#### 4.2 Trees Recommended for Removal Due to Condition

There are 52 trees observed to be dead, in poor condition or in a state of decline that are a potential risk to workers, buildings or vehicles, either during or post-development, and which are recommended for removal. These trees are identified on the TIPP (**Drawings TP-1** to **TP-3**) as to be removed due to condition.

Of the 52 trees, 19 trees (Tree Nos. 317, 320, 446, 328, 333, 341, 356, 361, 501, 537, 573 to 577, 592, 595, and 598) are dead including seven ash trees, five Austrian Pine, six Carolina Poplar and a single Colorado Blue Spruce.

The remaining 33 trees (Tree Nos. 313, 432, 436 to 438, 442, 449, 664, 683, 701 to 703, 332, 334 to 337, 359, 363, 369, 403, 405, 422, 514, 519, 536, 566, 579, 599, 601, 611, 629, and 642) are either almost dead or in a state of decline, and are composed of 25 Ash trees, three Austrian Pine, four Eastern White Cedar, and a single apple tree.

#### 4.3 Trees Recommended for Preservation

There are two trees (Tree Nos. 297 and 298) that are recommended for preservation.



Tree Nos. 297 and 298 include 14 cm and 15 cm DBH Red Oak trees located within the Town's ROW, that are outside the development limit and separated by the existing sidewalk on the south side of Queensgate Boulevard.

### 5. Tree Preservation Specifications

Any trees that do not require removal to accommodate construction shall be protected through the establishment of a Tree Protection Zone (TPZ). Prior to construction, tree protection fencing is required to be installed around trees recommended for preservation located a minimum distance as shown in the TPZ column within the tree inventory table in **Appendix B**. The TPZ should be measured from the base of the tree, or to the edge of paved surface (i.e., edge of sidewalk for Tree Nos. 297 and 298). The tree protection fencing shall be constructed in accordance with Town of Caledon standards provided in **Appendix C**. No materials shall be stored inside or up against this fencing, and a sign should be hung on the most visible side designating the TPZ. The location of the tree protection barriers in relation to the proposed development is shown on the Tree Inventory Preservation Plan (**Drawings TP-1** to **TP-3**).

In addition to the establishment of TPZs, the following specifications and general notes as per the Town's Terms of Reference for Arborist Reports, Tree Preservation Plans and Tableland Tree Removal Compensation document (2020) are recommended:

- Before the beginning of work, the contractor shall meet with Beacon on site to review work procedures, access routes, storage areas and the TPZ or other tree protection measures;
- Tree protection fencing shall be installed and in good condition prior to the start of construction and is to be maintained in good condition throughout the duration of construction activities;
- Areas within the tree protection fencing of the trees designated for preservation are not to be used for any type of storage;
- Trees shall not have any rigging cables or hardware of any sort attached or wrapped around them, nor shall any contaminants be dumped within the protective areas or flushed where they may come into contact with the feeder roots of the trees;
- In the event that it is necessary to remove additional limbs or portions of trees, after construction has commenced, to accommodate construction, the consulting Arborist or project administrator is to be informed and the removal is to be executed carefully and in full accordance with arboricultural techniques, by or under the supervision of a qualified Arborist;
- During excavation operations in which roots are affected, the Contractor is to prune all exposed roots cleanly. Pruned root ends shall point obliquely downwards. The exposed roots should not be allowed to dry out. The Contractor shall discuss watering of the roots with the Owner and Contract Administrator prior to pruning to ensure that so that optimum soil moisture is maintained during construction and backfilling operations. Backfilling must be completed as soon as practical with clean, uncontaminated native topsoil or mulch. Directional drilling is recommended for installing infrastructure servicing within TPZs;
- Where the access route abuts the tree protection fencing, curb shall be hand-formed to minimize root loss;
- During construction and prior to final approval by the Town, the consulting Arborist along with appropriate Town staff shall intermittently inspect the entire site. Any noted hazardous trees must be identified and removed prior to Assumption or earlier if deemed hazardous at



the sole cost of the Owner/Applicant. Any records of maintenance or removals are to be submitted to the Town;

- Compensation will be required for all tree removals at a rate as determined by the Town's Tableland Tree Removal Compensation. Tree compensation planting will be in addition to the standard required planting. In the event tree compensation cannot be accommodated for in the planting design, financial compensation shall be collected at a rate (per tree) as determined by the Town. Based on the compensation ratio, (insert number) replacement trees are required to compensate for the removal of trees on the subject property;
- Removals should occur outside of the breeding bird season (April 1- August 1). If this is not possible, clearance with an ecologist should occur prior to construction to ensure no loss of bird nest, egg or unfledged young (refer to Section 5.1);
- Any trees located on the property line or on the adjacent property that are proposed to be removed, pruned or injured, will require written consent from the adjacent landowner. All correspondence is to be forwarded to the Town prior to any removals;
- Minor grading works may be permitted at the edge of the preservation zone as required to correct localized grading issues adjacent to the proposed development at the discretion of the Town. This work is to be undertaken under the supervision of the consulting Arborist. The consulting Arborist is to verify in writing to the Town, confirming that the work has been completed as per the approved design using best arboricultural practices;
- Areas within the tree protection zone shall remain undisturbed for the duration of site construction and shall not be used for the storage of excavated fill, building/construction material, structures or equipment; and
- The limit of tree protection hoarding shall be confirmed in the field by the consulting arborist, Town staff and conservation authority (if applicable). The Owner/Applicant shall be responsible for ongoing maintenance and repairs to tree protection fencing to the satisfaction of the Town, until final approval by the Town and conservation authority (if applicable). The Owner/Applicant shall not remove and not cause or permit any tree preservation fencing to be removed without the approval of the Town and conservation authority (if applicable).

#### 5.1 Timing of Tree Removal

The federal *Migratory Bird Convention Act* (1994) and the provincial *Fish and Wildlife Conservation Act* (1997) protect the nests, eggs and young of most bird species from harm or destruction. Environment Canada considers the 'general nesting period' of breeding birds in southern Ontario to be between late March and the end of August. This includes times at the beginning and end of the season when only a few species might be nesting.

During the peak period of bird nesting, no vegetation clearing or disturbance to nesting bird habitat should occur (between mid-May and mid-July). In the 'shoulder' seasons of April 1 to May 15, and July 16 to August 31, vegetation clearing could occur, but only after an ecologist with appropriate avian knowledge has surveyed the area to confirm an absence of nesting. If nesting is found, then vegetation clearing (in an area around the nest) must wait until nesting has concluded. From September 1 through to March 31, of any year, vegetation clearing can occur without nest surveys, but the law for nest protection applies at any time (i.e., if an active nest is known it should be protected). Nesting habitat includes grasses, shrubs trees and structures.



## 6. Tree Compensation Information

As per the Town's Terms of Reference for Arborist Reports, Tree Preservation Plans and Tableland Tree Removal Compensation document (2020), as a condition of the approval of Town of Caledon development applications, replacement trees are required for the removal of healthy trees with a minimum DBH of 10 cm. On this basis, trees observed to be dead, in poor condition or in a state of decline that are a potential risk to workers, buildings or vehicles, either during or post-development were not included in compensation calculations.

The number of replacement trees required by the Town is determined by the DBH of the removed tree as outlined in **Table1** below.

DBH of Tree to be Removed (cm)	# of Replacement Trees Required
<10	Not Applicable
10 – 20	1:1
21 - 35	2:1
36 - 50	3:1
51 – 65	4:1
>65	5:1

#### Table 1. Town of Caledon Tree Removal Compensation Ratios

Tree replacement calculations are shown below in **Table 2** and are based on the Town's requirements, the tree inventory table in **Appendix B**, and the Tree Inventory and Preservation Plan (**Drawings TP-1** to **TP-3**).

Size Class (DBH in cm)	Number of Trees Proposed for Removal	Tree Replacement Calculation	Number of Replacement Trees Required
10 – 20	169	1 x 169	169
21 - 35	112	2 x 112	224
36 - 50	32	3 x 32	64
51 – 65	6	4 x 6	24
>65	3	5 x 3	15
	Total Number of Replace	ment Trees Required	496

#### Table 2. Tree Replacement Calculation Table

Based on the results presented in **Table 2**, a total of 496 replacement trees are required to compensate for the proposed removal of 349 healthy trees.

As per the Town's guidelines, replacement trees should consist of 60 mm caliper deciduous trees or 225 cm high coniferous trees. Furthermore, in instances where development applications are unable to



meet the Town's compensation requirements within the subject property, a cash-in-lieu option for the removal of tableland trees may be considered at a rate as determined by the Town of Caledon.

A list of suggested native tree species that can be used as replacement trees is shown in **Table 3** below. Planting of ash trees, which are hosts for the Emerald Ash Borer (EAB), should be avoided entirely.

Scientific Name	Common Name
Acer saccharum	Sugar Maple
Acer saccharinum	Silver Maple
Acer x freemanii	Freeman's Maple
Betula papyrifera	White Birch
Celtis occidentalis	Common Hackberry
Picea glauca	White Spruce
Pinus strobus	White Pine
Quercus macrocarpa	Bur Oak
Quercus rubra	Red Oak
Thuja occidentalis	White Cedar

#### Table 3. List of Suggested Tree Species for Planting

## 7. Monitoring and Reporting

To assist in the maintenance of the health and vigour of retained trees, it is recommended that a qualified Certified Arborist inspect all tree protection measures following installation, periodically during active development construction, and once following completion of the development. In addition, it is recommended that the survival and health of replacement trees be monitored during leaf-on conditions at least once every two years to a maximum of five years. Should deficiencies beyond an acceptable threshold be encountered, mitigation recommendations shall be included in the Arborist's report. Vegetation monitoring reports should be provided to City staff.

Should you have any comments regarding the above, or require clarification or modification, please do not hesitate to contact the undersigned at (905) 201-7622 ext. 236 (Torus).

Report prepared by: Beacon Environmental

Sevan Torus, B.Sc. (Hons.) Ecologist, ISA Certified Arborist (ON-1924A)

Report reviewed by: Beacon Environmental

Geri Poisson, B.A. (Hons.), Dipl. Eco. Restoration Senior Terrestrial Ecologist, ISA Certified Arborist (ON-1288A)



## 8. References

Council of Tree & Landscape Appraisers. 2000. Guide for Plant Appraisal, 9<sup>th</sup> Edition. International Society of Arboriculture, Champaign, Illinois.

Government of Canada. 1994. *Migratory Birds Convention Act,* 1994 (S.C. 1994, c.22).

Government of Ontario. 1997. Fish and Wildlife Conservation Act, 1997 (S.O. 1997, c.41).

Lilly, Sharon J. 2001.

Arborists' Certification Study Guide. International Society of Arboriculture, Champaign, Illinois.

Town of Caledon. 2020.

Terms of Reference for Arborist Reports, Tree Preservation Plans and Tableland Tree Removal Compensation. April 2020.



# Appendix A

Limitations of Tree Assessment





# Appendix A

#### **Limitations of Tree Assessment**

It is the policy of Beacon Environmental Limited to attach the following clause regarding limitations of the tree assessment. The intent is to ensure that the client is aware of what is technically and professionally realistic in assessing and/or retaining trees.

The assessment of the trees presented in this report has been made using accepted arboricultural techniques. These techniques include a visual examination of the above-ground parts of each tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of insect attack, crown dieback, discoloured foliage, the condition of any visible root structures, the degree and direction of lean (if any), the general condition of the tree(s) and the surrounding site, and the proximity of property and people. Except where specifically noted in the report, none of the trees examined were dissected, cored, probed, or climbed, and detailed root crown examinations involving excavation were not undertaken.

Notwithstanding the recommendations and conclusions made in this report, it must be recognized that trees are living organisms and their health and vigour constantly change over time. They are not immune to changes in site conditions, pests, or variations in the weather conditions including severe storms with high-speed winds. Furthermore, some symptoms may only be visible seasonally; the extent of observations that can be made may be limited by the time of year in which the inspection took place.

While reasonable efforts have been made to ensure that the trees recommended for retention are healthy unless stated otherwise within the report, no warranty or guarantees are offered, or implied, that these trees, or any parts of them, will have continued health or structure as noted in the report. It is both professionally and practically impossible to predict with absolute certainty the behaviour of any single tree or group of trees or their component parts in all circumstances. Inevitably, a standing tree will always pose some risk. Most trees have the potential for failure if provided with the necessary combinations of stresses and elements. This risk can only be eliminated if the tree is removed.

Although every effort has been made to ensure that this assessment is reasonably accurate, it is recommended that trees be re-assessed periodically to identify changes in condition. Design or site plan changes may also necessitate re-assessment and/or revisions to this report. The assessment presented in this report is valid at the time of the inspection and is intended for sole use of the client. Any use of this report by a third party, and any decision based on this report, is the singular responsibility of the third party.



**Tree Inventory Table** 



### Tree Inventory Table

Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
Individual 1	Trees					·		
296	Elaeagnus angustifolia	Russian Olive	8,8,8,6,6,6,12	5	Fair-Good	Multi-stemmed tree with a combined DBH of 21 cm; Shrubby tree next to utility pole.	N/A	Remove due to Development
297	Quercus rubra	Red Oak	15	5	Fair-Good	Vertical rotting wound ~ 2 m in length from ground.	2.5	Preserve
298	Quercus rubra	Red Oak	14	5	Good	Good form and vigour.	2.5	Preserve
299	Acer platanoides	Norway Maple	17	5	Good	Vertical wound with woundwood; Tar spots on leaves.	N/A	Remove due to Development
300	Malus sp.	Apple sp.	12	4	Fair-Good	Good vigour.	N/A	Remove due to Development
301	Thuja occidentalis	Eastern White Cedar	13,12	4	Fair-Good	Codominant stems with a combined DBH of 18 cm; Stems fork near ground; Chlorosis of needles.	N/A	Remove due to Development
302	Thuja occidentalis	Eastern White Cedar	14	4	Fair-Good	Chlorosis of some needles.	N/A	Remove due to Development
303	Acer platanoides	Norway Maple	44	10	Good	Good form and vigour; Tar spots on leaves.	N/A	Remove due to Development
304	Malus sp.	Apple sp.	17	4	Fair-Good		N/A	Remove due to Development
305	Picea pungens	Colorado Blue Spruce	17	5	Fair	Suppressed by neighbouring trees.	N/A	Remove due to Development
306	Acer platanoides	Norway Maple	41	10	Good	Tar spots on leaves.	N/A	Remove due to Development
307	Picea pungens	Colorado Blue Spruce	34	7	Fair-Good	Adjacent to wood fence; Minor dieback and thinning.	N/A	Remove due to Development
308	Acer saccharinum	Silver Maple	51	14	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
309	Pinus nigra	Austrian Pine	43	7	Fair	Two stems fused together at breast height; Moderate dieback and thinning.	N/A	Remove due to Development
310	Ulmus americana	American Elm	56,51	16	Fair-Good	Codominant stems with a combined DBH of 76 cm; Stems fork at ground; Good form and vigour.	N/A	Remove due to Development
311	Picea pungens	Colorado Blue Spruce	28	5	Fair-Good	Understory tree adjacent to mature American Elm.	N/A	Remove due to Development
312	Pinus nigra	Austrian Pine	39	7	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
313	Pinus nigra	Austrian Pine	31	4	Poor-Fair	Leader snapped; Very short tree with branches extending past adjacent Buckthorn.	N/A	Removed due to Condition
314	Pinus nigra	Austrian Pine	49	8	Fair-Good	Stems fork into two~ 2.5 m from ground; Relatively good vigour.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
315	Pinus nigra	Austrian Pine	45	8	Fair-Good		N/A	Remove due to Development
316	Pinus nigra	Austrian Pine	44	8	Fair-Good	Chlorosis of needles.	N/A	Remove due to Development
317	Fraxinus pennsylvanica	Green Ash	16	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
318	Morus alba	White Mulberry	18	5	Good	Good vigour; Immediately adjacent to dwelling.	N/A	Remove due to Development
319	Acer platanoides	Norway Maple	11,11,4	5	Good	Thee stems with a combined DBH of 16 cm; Good vigour; Stems fork near ground; Adjacent to dwelling.	N/A	Remove due to Development
320	Fraxinus pennsylvanica	Green Ash	12	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
384	Acer negundo	Manitoba Maple	44,31,50	16	Fair-Good	Three stems with a combined DBH of 73 cm; Stems fork near ground; Included bark at stem union; Minor dieback and thinning.	N/A	Remove due to Development
385	Acer x freemanii	Freeman's Maple	10	5	Good	Good form and vigour.	N/A	Remove due to Development
386	Tilia americana	Basswood	28,43	14	Good	Two stems with a combined DBH of 51 cm; Good vigour; Stems fork near ground.	N/A	Remove due to Development
387	Acer saccharinum	Silver Maple	41	14	Fair-Good	Some minor dieback and thinning; Sapsucker damage to trunk.	N/A	Remove due to Development
388	Acer negundo	Manitoba Maple	17,20	7	Good	Codominant stems with a combined DBH of 26 cm; Stems fork near ground.	N/A	Remove due to Development
389	Acer saccharinum	Silver Maple	18,19	7	Good	Codominant stems with a combined DBH of 26 cm; Stems fork just below breast height; Included bark at stem union.	N/A	Remove due to Development
390	Populus x canadensis	Carolina Poplar	10	4	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
391	Populus x canadensis	Carolina Poplar	18	5	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
392	Populus x canadensis	Carolina Poplar	46	14	Fair-Good	Some minor dieback and thinning.	N/A	Remove due to Development
393	Picea pungens	Colorado Blue Spruce	30	5	Good		N/A	Remove due to Development
394	Acer platanoides	Norway Maple	33	8	Fair	Moderate dieback and thinning; Tar spots on leaves.	N/A	Remove due to Development
395	Robinia pseudoacacia	Black Locust	9,10,8,7	5	Good	Multi-stemmed with a combined DBH of 17 cm; Included bark at stem unions.	N/A	Remove due to Development
420	Pinus nigra	Austrian Pine	21	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
421	Pinus nigra	Austrian Pine	25	7	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
432	Fraxinus americana	White Ash	36	4	Poor	Almost dead; EAB.	N/A	Removed due to Condition
433	Pinus nigra	Austrian Pine	20	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
434	Thuja occidentalis	Eastern White Cedar	14	4	Good	Good form and vigour.	N/A	Remove due to Development
435	Acer x freemanii	Freeman's Maple	36,29,25	14	Fair-Good	Three stems with a combined DBH of 53 cm; Stems fork near ground.	N/A	Remove due to Development
436	Fraxinus americana	White Ash	13,11	3	Poor	Two stems with a combined DBH of 17 cm; Almost dead EAB.	N/A	Removed due to Condition
437	Fraxinus americana	White Ash	14	4	Poor	Almost dead; EAB.	N/A	Removed due to Condition
438	Fraxinus americana	White Ash	11	3	Poor	Almost dead; EAB.	N/A	Removed due to Condition
439	Thuja occidentalis	Eastern White Cedar	20,11,10,8,14,10	4	Fair-Good	Multi-stemmed with a combined DBH of 31 cm; Stems fork near ground; Some chlorosis of needles.	N/A	Remove due to Development
440	Tilia americana	Basswood	35,16,16	8	Good	Three stems with a combined DBH of 42 cm; Stems fork below breast height; Included bark at stem union.	N/A	Remove due to Development
441	Acer saccharinum	Silver Maple	11,13	6	Good	Codominant stems with a combined DBH of 17 cm; Good vigour; Stems fork near ground.	N/A	Remove due to Development
442	Fraxinus americana	White Ash	29	3	Poor	Almost dead; EAB	N/A	Removed due to Condition
443	Ulmus americana	American Elm	29	5	Fair-Good	Unbalanced crown; Good health and vigour.	N/A	Remove due to Development
444	Acer saccharinum	Silver Maple	44,23,12	12	Fair-Good	Three stems with a combined DBH of 51 cm. Minor dieback and thinning; Treehouse on tree; Rotting cavity on 23 cm stem.	N/A	Remove due to Development
445	Ulmus americana	American Elm	43	12	Good	Good form and vigour.	N/A	Remove due to Development
446	Fraxinus americana	White Ash	26	NA	Dead	Standing snag; EAB.	N/A	Removed due to Condition
447	Populus x canadensis	Carolina Poplar	11	3	Good	Good form and vigour.	N/A	Remove due to Development
448	Populus x canadensis	Carolina Poplar	40	12	Good	Good form and vigour.	N/A	Remove due to Development
449	Fraxinus americana	White Ash	14,11	3	Poor	Two stems with a combined DBH of 18 cm; Almost dead; EAB.	N/A	Removed due to Condition
450	Salix alba	White Willow	12,12,12,16,11,1 2,12	7	Good	Multi-stemmed with a combined DBH of 33 cm; Stems fork near ground.	N/A	Remove due to Development
451	Salix alba	White Willow	29,19,19,22,10, 12,10	8	Good	Multi-stemmed with a combined DBH of 49 cm; Stems fork near ground.	N/A	Remove due to Development
452	Salix alba	White Willow	25,21,11	7	Good	Three stems with a combined DBH of 34 cm; Stems fork near ground.	N/A	Remove due to Development
513	Robinia pseudoacacia	Black Locust	21,23	8	Fair-Good	Codominant stems with a combined DBH of 31 cm; Stems fork near ground; Included bark at stem union.	N/A	Remove due to Development
647	Acer platanoides	Norway Maple	30,15,14	10	Good	Three stems with a combined DBH of 36 cm; Tar spots on leaves.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
648	Picea pungens	Colorado Blue Spruce	41	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
649	Picea pungens	Colorado Blue Spruce	38	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
650	Picea pungens	Colorado Blue Spruce	33	6	Good	Minor dieback and thinning.	N/A	Remove due to Development
651	Tilia americana	Basswood	11,12,7,8,7	4	Fair-Good	Multi-stemmed with a combined DBH of 21 cm; Stems fork below breast height.	N/A	Remove due to Development
652	Tilia americana	Basswood	13,11,7,9	5	Good	Multi-stemmed with a combined DBH of 20 cm; Stems fork near ground.	N/A	Remove due to Development
653	Acer saccharinum	Silver Maple	39,18	12	Good	Two stems with a combined DBH of 43 cm; Included bark at stem union.	N/A	Remove due to Development
654	Acer saccharinum	Silver Maple	23,7,15,18	10	Good	Multi-stemmed with a combined DBH of 34 cm; Stems fork near ground.	N/A	Remove due to Development
655	Acer saccharinum	Silver Maple	12,6,7	5	Fair-Good	Three stems with a combined DBH of 15 cm; Largest stem dead.	N/A	Remove due to Development
656	Acer saccharinum	Silver Maple	18,19,21	10	Good	Three stems with a combined DBH of 34 cm; Included bark at stem union.	N/A	Remove due to Development
657	Pinus nigra	Austrian Pine	11	3	Good	Good form and vigour.	N/A	Remove due to Development
658	Populus x canadensis	Carolina Poplar	76	16	Fair	Moderate dieback and thinning; Tree past maturity; Declining in health.	N/A	Remove due to Development
659	Pinus nigra	Austrian Pine	23	6	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
660	Pinus nigra	Austrian Pine	16	5	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
661	Malus sp.	Apple sp.	13	4	Fair-Good	Some epicormic growth.	N/A	Remove due to Development
662	Malus sp.	Apple sp.	21	5	Fair	Some epicormic growth.	N/A	Remove due to Development
663	Acer platanoides	Norway Maple	36,16	10	Good	Two stems with a combined DBH of 39 cm; Stems fork below breast height; Tar spots on leaves; Included bark at stem union.	N/A	Remove due to Development
664	Fraxinus americana	White Ash	11	3	Poor	Almost dead; EAB.	N/A	Removed due to Condition
665	Malus sp.	Apple sp.	23	5	Fair-Good		N/A	Remove due to Development
666	Acer platanoides	Norway Maple	53	12	Fair-Good	Rotting cavity above primary lateral branches; Tar spots on leaves.	N/A	Remove due to Development
667	Pinus nigra	Austrian Pine	29	7	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
668	Quercus macrocarpa	Bur Oak	32,22,22,26,26, 17	10	Fair	Multi-stemmed with a combined DBH of 60 cm; Central stems are all dead.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
669	Abies balsamea	Balsam Fir	22	5	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
670	Abies balsamea	Balsam Fir	29	6	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
671	Abies balsamea	Balsam Fir	31	6	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
672	Acer platanoides	Norway Maple	42	10	Good	Tar spots on leaves.	N/A	Remove due to Development
673	Malus sp.	Apple sp.	25	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
674	Acer platanoides	Norway Maple	15	5	Good	Good form and vigour; Tar spots on leaves.	N/A	Remove due to Development
675	Malus sp.	Apple sp.	33	8	Fair-Good	Some Sapsucker damage to trunk; Minor dieback and thinning.	N/A	Remove due to Development
676	Malus sp.	Apple sp.	33	7	Fair-Good	Some Sapsucker damage to trunk.	N/A	Remove due to Development
677	Malus sp.	Apple sp.	23	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
678	Malus sp.	Apple sp.	23	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
679	Malus sp.	Apple sp.	21	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
680	Malus sp.	Apple sp.	23	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
681	Malus sp.	Apple sp.	18	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
682	Prunus avium	Sweet Cherry	16,15,11,12,11, 11	5	Fair-Good	Multi-stemmed with a combined DBH of 31 cm; Stems fork near ground; Some black ribbon several stems.	N/A	Remove due to Development
683	Malus sp.	Apple sp.	14	3	Poor	Significant dieback; Tree almost dead.	N/A	Removed due to Condition
684	Acer platanoides	Norway Maple	13	3	Good	Good form and vigour.	N/A	Remove due to Development
685	Picea pungens	Colorado Blue Spruce	32	6	Fair-Good	Tree uprooted and leaning towards the south.	N/A	Remove due to Development
686	Picea pungens	Colorado Blue Spruce	30	5	Fair	Lateral branches within lower half of tree dead	N/A	Remove due to Development
687	Picea pungens	Colorado Blue Spruce	30	7	Good	Good vigour; Corrected lean.	N/A	Remove due to Development
688	Picea pungens	Colorado Blue Spruce	32	5	Good	Tree slightly leaning towards the south.	N/A	Remove due to Development
689	Picea pungens	Colorado Blue Spruce	45	5	Fair-Good	Some dieback and chlorosis of needles.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
690	Picea pungens	Colorado Blue Spruce	50	6	Fair-Good	Minor dieback and chlorosis of needles.	N/A	Remove due to Development
691	Picea pungens	Colorado Blue Spruce	40	7	Good	Good form and vigour; DBH approximate as trunk not accessible.	N/A	Remove due to Development
692	Picea pungens	Colorado Blue Spruce	35	7	Fair-Good	Minor dieback and chlorosis of needles.	N/A	Remove due to Development
693	Picea pungens	Colorado Blue Spruce	43	7	Fair-Good	Minor dieback and chlorosis of needles.	N/A	Remove due to Development
694	Acer platanoides	Norway Maple	24	6	Good	Good form and vigour.	N/A	Remove due to Development
695	Malus sp.	Apple sp.	18	4	Fair-Good	Some epicormic growth on trunk.	N/A	Remove due to Development
696	Malus sp.	Apple sp.	30	4	Fair-Good	Some epicormic growth on trunk.	N/A	Remove due to Development
697	Malus sp.	Apple sp.	18	4	Fair-Good	Some epicormic growth on trunk.	N/A	Remove due to Development
698	Malus sp.	Apple sp.	18	4	Fair-Good	Some epicormic growth on trunk.	N/A	Remove due to Development
699	Malus sp.	Apple sp.	25	5	Fair-Good	Some Sapsucker damage to trunk.	N/A	Remove due to Development
700	Malus sp.	Apple sp.	19	6	Fair-Good	Tree fruiting; Sapsucker damage to trunk.	N/A	Remove due to Development
701	Fraxinus americana	White Ash	11	3	Poor	Almost dead; EAB.	N/A	Removed due to Condition
702	Fraxinus americana	White Ash	11	3	Poor	Almost dead EAB.	N/A	Removed due to Condition
703	Fraxinus americana	White Ash	12	3	Poor-Fair	Declining from EAB.	N/A	Removed due to Condition
Tree Group	Α							
321	Thuja occidentalis	Eastern White Cedar	11	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
322	Pinus nigra	Austrian Pine	36	8	Fair-Good	Some dieback and thinning.	N/A	Remove due to Development
323	Pinus nigra	Austrian Pine	28	6	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
324	Thuja occidentalis	Eastern White Cedar	8,9	3	Good	Codominant stems with a combined DBH of 12 cm; Stems fork near ground.	N/A	Remove due to Development
325	Picea pungens	Colorado Blue Spruce	38	7	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
326	Pinus nigra	Austrian Pine	17	6	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development



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327	Pinus nigra	Austrian Pine	33	6	Fair-Good		N/A	Remove due to Development
328	Fraxinus americana	White Ash	48	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
329	Picea pungens	Colorado Blue Spruce	16	5	Good	Good form and vigour.	N/A	Remove due to Development
330	Picea pungens	Colorado Blue Spruce	22	5	Good	Good form and vigour.	N/A	Remove due to Development
331	Picea pungens	Colorado Blue Spruce	19		Good	Good form and vigour.	N/A	Remove due to Development
332	Fraxinus pennsylvanica	Green Ash	12	3	Poor	Tree almost dead as a result of infestation from Emerald Ash Borer.	N/A	Removed due to Condition
333	Fraxinus pennsylvanica	Green Ash	26	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
334	Fraxinus pennsylvanica	Green Ash	15,11,11	4	Poor	Three stems with a combined DBH of 22 cm; Tree almost dead as a result of infestation from Emerald Ash Borer.	N/A	Removed due to Condition
335	Fraxinus pennsylvanica	Green Ash	10	2	Poor	Tree almost dead as a result of infestation from Emerald Ash Borer.	N/A	Removed due to Condition
336	Fraxinus pennsylvanica	Green Ash	11	3	Poor	Tree almost dead as a result of infestation from Emerald Ash Borer.	N/A	Removed due to Condition
337	Fraxinus pennsylvanica	Green Ash	14,13	5	Poor	Two stems with a combined DBH of 19 cm; Tree almost dead as a result of infestation from Emerald Ash Borer.	N/A	Removed due to Condition
338	Thuja occidentalis	Eastern White Cedar	13,9	4	Fair-Good	Two stems with a combined DBH of 16 cm; Some chlorosis of needles.	N/A	Remove due to Development
339	Thuja occidentalis	Eastern White Cedar	8,7,7	3	Fair-Good	Three stems with a combined DBH of 13 cm; Stems growing horizontally along ground; Some chlorosis of needles.	N/A	Remove due to Development
340	Salix sp.	Willow sp.	23,22,13	7	Fair-Good	Three stems with a combined DBH of Good vigour; Stems fork near ground.	N/A	Remove due to Development
341	Fraxinus americana	White Ash	46	NA	Dead		N/A	Removed due to Condition
342	Acer saccharinum	Silver Maple	21	6	Fair-Good	Overextending lower lateral branch.	N/A	Remove due to Development
343	Populus x canadensis	Carolina Poplar	17	5	Good	Good form and vigour	N/A	Remove due to Development
344	Picea glauca	White Spruce	30	7	Good	Good form and vigour; DBH approximate as trunk not accessible.	N/A	Remove due to Development
345	Thuja occidentalis	Eastern White Cedar	15	5	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
346	Populus x canadensis	Carolina Poplar	54	16	Good	Good form and vigour	N/A	Remove due to Development
347	Picea glauca	White Spruce	22	5	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development



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348	Thuja occidentalis	Eastern White Cedar	10	3	Good		N/A	Remove due to Development
349	Picea glauca	White Spruce	32	6	Good	Good form and vigour.	N/A	Remove due to Development
350	Pinus nigra	Austrian Pine	35	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
351	Pinus nigra	Austrian Pine	13	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
352	Thuja occidentalis	Eastern White Cedar	13	5	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
353	Pinus nigra	Austrian Pine	17	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
354	Thuja occidentalis	Eastern White Cedar	12	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
355	Thuja occidentalis	Eastern White Cedar	15	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
356	Pinus nigra	Austrian Pine	17	NA	Dead	No needles.	N/A	Removed due to Condition
357	Picea glauca	White Spruce	22	5	Fair-Good	Chlorosis of needles; Seeding significantly.	N/A	Remove due to Development
358	Thuja occidentalis	Eastern White Cedar	13,6	4	Fair-Good	Two stems with a combined DBH of 14 cm; Some chlorosis of needles.	N/A	Remove due to Development
359	Thuja occidentalis	Eastern White Cedar	16	3	Poor	Leader and top of crown dead; Tree declining in health.	N/A	Removed due to Condition
360	Thuja occidentalis	Eastern White Cedar	12	4	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
361	Pinus nigra	Austrian Pine	16	NA	Dead	No needles.	N/A	Removed due to Condition
362	Thuja occidentalis	Eastern White Cedar	15	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
363	Pinus nigra	Austrian Pine	16	3	Poor-Fair	Tree declining in health.	N/A	Removed due to Condition
364	Pinus nigra	Austrian Pine	11	2	Fair-Good	System bends at ~2m from ground.	N/A	Remove due to Development
365	Populus x canadensis	Carolina Poplar	52	14	Fair-Good	Some minor dieback and thinning.	N/A	Remove due to Development
366	Thuja occidentalis	Eastern White Cedar	16	4	Fair-Good	Chlorosis of needles.	N/A	Remove due to Development
367	Pinus nigra	Austrian Pine	19	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
368	Ulmus americana	American Elm	39	7	Fair-Good	Relatively good vigour.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
369	Fraxinus pennsylvanica	Green Ash	23	3	Poor	Tree almost dead as a result of infestation from Emerald Ash Borer.	N/A	Removed due to Condition
370	Acer saccharinum	Silver Maple	39	12	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
371	Thuja occidentalis	Eastern White Cedar	21	4	Fair-Good	Some chlorosis of needles	N/A	Remove due to Development
372	Thuja occidentalis	Eastern White Cedar	21,21,13	4	Fair-Good	Three stems with a combined DBH of 32 cm; Some chlorosis of needles; Stems fork near ground.	N/A	Remove due to Development
373	Pinus nigra	Austrian Pine	26	6	Fair-Good	Minor dieback.	N/A	Remove due to Development
374	Thuja occidentalis	Eastern White Cedar	22	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
375	Pinus nigra	Austrian Pine	24	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
376	Thuja occidentalis	Eastern White Cedar	16	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
377	Pinus nigra	Austrian Pine	25	6	Good	Minor dieback and thinning.	N/A	Remove due to Development
378	Pinus nigra	Austrian Pine	25	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
379	Thuja occidentalis	Eastern White Cedar	10,5	3	Fair-Good	Two stems with a combined DBH of 11 cm; Some chlorosis of needles.	N/A	Remove due to Development
380	Pinus nigra	Austrian Pine	21	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
381	Thuja occidentalis	Eastern White Cedar	13	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
382	Thuja occidentalis	Eastern White Cedar	11	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
383	Picea pungens	Colorado Blue Spruce	40	6	Fair-Good		N/A	Remove due to Development
Tree Group	B					·		
401	Acer saccharinum	Silver Maple	18,18,17,16,16,9	12	Fair-Good	Multi-stemmed with a combined DBH of 39 cm; Stems fork near ground; Included bark at stem union.	N/A	Remove due to Development
402	Acer saccharinum	Silver Maple	12	5	Good	Good form and vigour.	N/A	Remove due to Development
403	Fraxinus americana	White Ash	13	3	Poor	Almost dead; EAB.	N/A	Removed due to Condition
404	Acer saccharinum	Silver Maple	12	5	Good	Good form and vigour.	N/A	Remove due to Development
405	Fraxinus americana	White Ash	13	4	Poor	Almost dead.	N/A	Removed due to Condition



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
406	Acer saccharinum	Silver Maple	25,20,13	8	Fair-Good	Three stems with a combined DBH of 35 cm; Stems fork near ground.	N/A	Remove due to Development
407	Acer saccharinum	Silver Maple	18	5	Fair-Good	Suppressed on north side of tree.	N/A	Remove due to Development
408	Acer saccharinum	Silver Maple	66	16	Fair-Good	Good vigour; Included bark at branch union.	N/A	Remove due to Development
409	Thuja occidentalis	Eastern White Cedar	11,10,5	4	Fair-Good	Three stems with a combined DBH of 16 cm; Stems fork near ground; Some chlorosis of needles.	N/A	Remove due to Development
410	Picea glauca	White Spruce	27	6	Fair-Good	Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
411	Picea glauca	White Spruce	21	6	Fair-Good	Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
412	Picea glauca	White Spruce	23	6	Fair-Good	Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
413	Picea glauca	White Spruce	16	5	Fair-Good	Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
414	Picea glauca	White Spruce	18	5	Fair-Good	Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
415	Picea glauca	White Spruce	26	6	Fair-Good	Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
416	Picea glauca	White Spruce	17	4	Fair-Good	Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
417	Picea glauca	White Spruce	8,7	4	Fair-Good	Codominant stems with a combined DBH of 11 cm; Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
418	Thuja occidentalis	Eastern White Cedar	14,9,19	4	Fair-Good	Three stems with a combined DBH of 25 cm; Stems fork near ground; Some chlorosis of needles.	N/A	Remove due to Development
419	Picea glauca	White Spruce	23	5	Fair-Good	Dead lower lateral branches due to overcrowding.	N/A	Remove due to Development
422	Thuja occidentalis	Eastern White Cedar	11	3	Poor-Fair	Tree declining in health.	N/A	Removed due to Condition
423	Picea glauca	White Spruce	19	4	Fair	Moderate dieback and thinning; Dead lower branches.	N/A	Remove due to Development
424	Picea glauca	White Spruce	14		Fair	Moderate dieback and thinning; Dead lower branches.	N/A	Remove due to Development
425	Picea glauca	White Spruce	23	5	Fair-Good	Dead lower branches due to overcrowding.	N/A	Remove due to Development
426	Picea glauca	White Spruce	17	5	Fair-Good	Dead lower branches due to overcrowding.	N/A	Remove due to Development
427	Picea glauca	White Spruce	15	4	Fair-Good	Dead lower branches due to overcrowding.	N/A	Remove due to Development
428	Picea glauca	White Spruce	10	3	Fair	Dead lower branches due to overcrowding.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
429	Picea glauca	White Spruce	21	5	Fair-Good	Dead lower branches due to overcrowding.	N/A	Remove due to Development
430	Picea glauca	White Spruce	21	5	Fair-Good	Dead lower branches due to overcrowding.	N/A	Remove due to Development
431	Picea glauca	White Spruce	23	5	Fair-Good	Dead lower branches due to overcrowding.	N/A	Remove due to Development
453	Picea glauca	White Spruce	25,15	6	Fair-Good	Two stems with a combined DBH of 29 cm; Minor dieback and thinning.	N/A	Remove due to Development
454	Picea glauca	White Spruce	18	3	Fair	Evidence of fire at base of tree; Moderate dieback and chlorosis of needles.	N/A	Remove due to Development
455	Pinus nigra	Austrian Pine	12	2	Fair	Moderate dieback.	N/A	Remove due to Development
456	Pinus nigra	Austrian Pine	12	2	Fair	Moderate dieback.	N/A	Remove due to Development
457	Pinus nigra	Austrian Pine	11	2	Fair	Moderate dieback.	N/A	Remove due to Development
458	Pinus nigra	Austrian Pine	13	2	Fair	Moderate dieback.	N/A	Remove due to Development
459	Picea glauca	White Spruce	14	2	Fair-Good	Branches concentrated at top of tree.	N/A	Remove due to Development
460	Picea glauca	White Spruce	13	2	Fair-Good	Branches concentrated at top of tree.	N/A	Remove due to Development
461	Picea glauca	White Spruce	18	4	Fair-Good	Minor dieback.	N/A	Remove due to Development
462	Thuja occidentalis	Eastern White Cedar	11	3	Good	Good form and vigour.	N/A	Remove due to Development
463	Pinus nigra	Austrian Pine	15	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
464	Thuja occidentalis	Eastern White Cedar	13	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
465	Pinus nigra	Austrian Pine	18	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
466	Pinus nigra	Austrian Pine	13	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
467	Pinus nigra	Austrian Pine	12	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
468	Pinus nigra	Austrian Pine	14	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
469	Pinus nigra	Austrian Pine	18	4	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
470	Pinus nigra	Austrian Pine	13	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
471	Thuja occidentalis	Eastern White Cedar	10	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
472	Pinus nigra	Austrian Pine	14,11,8	5	Fair-Good	Three stems with a combined DBH of 20 cm; Minor dieback; Stems fork at ground.		Remove due to Development
473	Picea glauca	White Spruce	20	5	Fair-Good	Minor dieback.	N/A	Remove due to Development
474	Picea glauca	White Spruce	13	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
475	Picea glauca	White Spruce	10	3	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
476	Picea glauca	White Spruce	12	3	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
477	Picea glauca	White Spruce	14	3	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
478	Picea glauca	White Spruce	15	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
479	Picea glauca	White Spruce	16	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
480	Robinia pseudoacacia	Black Locust	11	5	Good	Good form and vigour.	N/A	Remove due to Development
481	Robinia pseudoacacia	Black Locust	23	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
482	Picea glauca	White Spruce	13	3	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
483	Picea glauca	White Spruce	24	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
484	Picea pungens	Colorado Blue Spruce	15	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
485	Robinia pseudoacacia	Black Locust	11	5	Good	Good form and vigour.	N/A	Remove due to Development
486	Picea glauca	White Spruce	26	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
487	Picea glauca	White Spruce	14	3	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
488	Robinia pseudoacacia	Black Locust	12	4	Good	Good form and vigour.	N/A	Remove due to Development
489	Picea pungens	Colorado Blue Spruce	34	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
490	Picea pungens	Colorado Blue Spruce	26	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
491	Robinia pseudoacacia	Black Locust	19,23	6	Fair-Good	Two stems with a combined DBH of 30 cm; Stems fork just below breast height; Included bark at stem union.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
492	Picea pungens	Colorado Blue Spruce	20	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
493	Robinia pseudoacacia	Black Locust	16	6	Good	Good form and vigour.	N/A	Remove due to Development
494	Acer negundo	Manitoba Maple	18,15	7	Fair-Good	Two stems with a combined DBH of 23 cm; Stems fork near ground; Typical form.	N/A	Remove due to Development
495	Robinia pseudoacacia	Black Locust	16,16	7	Good	Codominant stems with a combined DBH of 23 cm; Stems fork near ground.	N/A	Remove due to Development
496	Robinia pseudoacacia	Black Locust	18,11	6	Good	Two stems with a combined DBH of 21 cm; Stems fork near ground; Included bark at stem union.	N/A	Remove due to Development
497	Robinia pseudoacacia	Black Locust	11	4	Fair-Good	Stem bending towards the top.	N/A	Remove due to Development
498	Robinia pseudoacacia	Black Locust	23	5	Good	Good form and vigour.	N/A	Remove due to Development
499	Robinia pseudoacacia	Black Locust	12	3	Fair-Good	Good health and vigour.	N/A	Remove due to Development
500	Picea pungens	Colorado Blue Spruce	14	3	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
501	Picea pungens	Colorado Blue Spruce	11	NA	Dead	Standing snag.	N/A	Removed due to Condition
502	Picea pungens	Colorado Blue Spruce	12	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
503	Picea pungens	Colorado Blue Spruce	22	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
504	Picea pungens	Colorado Blue Spruce	18	3	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
505	Picea pungens	Colorado Blue Spruce	19	4	Fair-Good	Minor dieback and thinning	N/A	Remove due to Development
506	Thuja occidentalis	Eastern White Cedar	11,11	3	Fair-Good	Codominant stems with a combined DBH of 16 cm; Some chlorosis of needles.	N/A	Remove due to Development
507	Thuja occidentalis	Eastern White Cedar	15	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
508	Thuja occidentalis	Eastern White Cedar	11	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
510	Thuja occidentalis	Eastern White Cedar	14	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
511	Thuja occidentalis	Eastern White Cedar	14	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
512	Thuja occidentalis	Eastern White Cedar	12	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
Tree Group	C						'	
514	Fraxinus americana	White Ash	14,14,15,12,7	3	Poor	Multi-stemmed with a combined DBH of 29 cm; Almost dead; EAB.	N/A	Removed due to Condition



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
515	Fraxinus americana	White Ash	13,8	5	Fair-Good	Two stems with a combined DBH of 15 cm; Relatively good health; No evidence of EAB damage.	N/A	Remove due to Development
516	Acer saccharinum	Silver Maple	72,30	17	Fair-Good	Two stems with a combined DBH of 78 cm; Good form and vigour; Minor dieback and thinning.		Remove due to Development
517	Populus tremuloides	Trembling Aspen	19	5	Good	Good form and vigour.	N/A	Remove due to Development
518	Populus tremuloides	Trembling Aspen	18	5	Good	Good form and vigour.	N/A	Remove due to Development
519	Fraxinus americana	White Ash	12	3	Poor	Almost dead; EAB.	N/A	Removed due to Condition
520	Pinus sylvestris	Scots Pine	35	6	Fair	Minor dieback and thinning.	N/A	Remove due to Development
521	Pinus sylvestris	Scots Pine	10	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
522	Pinus sylvestris	Scots Pine	14	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
523	Pinus sylvestris	Scots Pine	18	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
524	Picea glauca	White Spruce	21	6	Good	Good form and vigour.	N/A	Remove due to Development
525	Pinus sylvestris	Scots Pine	24	6	Fair-Good	Minor dieback and thinning,	N/A	Remove due to Development
526	Populus tremuloides	Trembling Aspen	17	5	Good	Good form and vigour.	N/A	Remove due to Development
527	Populus tremuloides	Trembling Aspen	22	6	Good	Good form and vigour.	N/A	Remove due to Development
528	Pinus sylvestris	Scots Pine	27	6	Fair-Good	Minor dieback and thinning; Sapsucker damage to trunk.	N/A	Remove due to Development
529	Pinus nigra	Austrian Pine	30	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
530	Pinus nigra	Austrian Pine	21	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
531	Pinus nigra	Austrian Pine	27	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
532	Pinus nigra	Austrian Pine	52	8	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
533	Salix alba	White Willow	32	8	Good	Good form and vigour.	N/A	Remove due to Development
534	Fraxinus americana	White Ash	19	7	Fair-Good	Relatively good health; No obvious decline from EAB.	N/A	Remove due to Development
535	Fraxinus americana	White Ash	12	4	Fair	Moderate dieback and thinning; Declining as a result of EAB; Epicormic growth.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
536	Fraxinus americana	White Ash	12	2	Poor	Almost dead; EAB.	N/A	Removed due to Condition
537	Fraxinus americana	White Ash	39	NA	Dead	Dead tree; EAB.	N/A	Removed due to Condition
538	Picea glauca	White Spruce	17	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
539	Pinus nigra	Austrian Pine	40	8	Fair-Good	Minor dieback and thinning; Sapsucker damage to trunk.	N/A	Remove due to Development
540	Pinus nigra	Austrian Pine	15	5	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
541	Pinus nigra	Austrian Pine	37	5	Fair	Leader snapped; Moderate dieback and thinning.	N/A	Remove due to Development
542	Picea glauca	White Spruce	17	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
543	Pinus sylvestris	Scots Pine	28	5	Fair-Good	Minor dieback and thinning; Sapsucker damage to trunk.	N/A	Remove due to Development
544	Pinus sylvestris	Scots Pine	18	5	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
545	Pinus sylvestris	Scots Pine	20	5	Good	Good form and vigour.	N/A	Remove due to Development
546	Picea glauca	White Spruce	17	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
547	Pinus sylvestris	Scots Pine	17	5	Good	Good form and vigour.	N/A	Remove due to Development
548	Pinus sylvestris	Scots Pine	24	4	Good	Good form and vigour.	N/A	Remove due to Development
549	Pinus sylvestris	Scots Pine	18	4	Good	Good form and vigour.	N/A	Remove due to Development
550	Pinus sylvestris	Scots Pine	28,8,17,22	7	Fair-Good	Multi-stemmed with a combined DBH of 34 cm; Stems fork at ground.	N/A	Remove due to Development
551	Quercus rubra	Red Oak	13	6	Good	Good form and vigour.	N/A	Remove due to Development
552	Quercus rubra	Red Oak	49	14	Good	Good form and vigour.	N/A	Remove due to Development
553	Picea glauca	White Spruce	23	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
554	Picea glauca	White Spruce	17,15	5	Fair-Good	Codominant stems with a combined DBH of 23 cm; Minor dieback and thinning.	N/A	Remove due to Development
555	Picea glauca	White Spruce	35	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
556	Picea glauca	White Spruce	34	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
557	Picea glauca	White Spruce	18	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
558	Picea glauca	White Spruce	35	7	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
559	Quercus rubra	Red Oak	14	7	Fair	Vertical wounds all along north side of trunk and branches.	N/A	Remove due to Development
560	Quercus rubra	Red Oak	20	7	Fair-Good	Trunk girdling from chain-link fence.	N/A	Remove due to Development
561	Pinus nigra	Austrian Pine	28,18	5	Fair-Good	Two stems with a combined DBH of 33 cm; Minor dieback and thinning; Smaller stem dead.	N/A	Remove due to Development
562	Betula papyrifera	White Birch	24	6	Good	Good form and vigour.	N/A	Remove due to Development
563	Pinus nigra	Austrian Pine	33	8	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
564	Pinus nigra	Austrian Pine	22,20,25	6	Good	Three stems with a combined DBH of 39 cm; Good form and vigour.	N/A	Remove due to Development
565	Pinus nigra	Austrian Pine	44	8	Good	Good form and vigour.	N/A	Remove due to Development
566	Fraxinus americana	White Ash	30	4	Poor	Almost dead; EAB.	N/A	Removed due to Condition
567	Populus x canadensis	Carolina Poplar	33,17	6	Good	Two stems with a combined DBH of 37 cm; Good form and vigour; Stems fork near ground.	N/A	Remove due to Development
568	Pinus nigra	Austrian Pine	33	7	Good	Good form and vigour.	N/A	Remove due to Development
569	Pinus nigra	Austrian Pine	39	7	Good	Good form and vigour.	N/A	Remove due to Development
570	Populus x canadensis	Carolina Poplar	53	12	Fair	Large vertical rotting wound at base of tree; Moderate dieback and thinning.	N/A	Remove due to Development
571	Pinus nigra	Austrian Pine	12,13	4	Fair	Codominant stems with a combined DBH of 18 cm; Moderate dieback and thinning; Stems fork near ground.	N/A	Remove due to Development
572	Populus x canadensis	Carolina Poplar	49	7	Fair	Moderate dieback and thinning; Tree past maturity and declining in health.	N/A	Remove due to Development
573	Populus x canadensis	Carolina Poplar	66	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
574	Populus x canadensis	Carolina Poplar	47	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
574	Populus x canadensis	Carolina Poplar	40	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
575	Populus x canadensis	Carolina Poplar	20	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
576	Populus x canadensis	Carolina Poplar	40	NA	Dead	Potential risk tree.	N/A	Removed due to Condition



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
577	Populus x canadensis	Carolina Poplar	47,30	NA	Dead	Two stems with a combined DBH of 56 cm; Potential risk tree.	N/A	Removed due to Condition
578	Populus x canadensis	Carolina Poplar	16	5	Good	Good form and vigour.	N/A	Remove due to Development
579	Fraxinus americana	White Ash	30	4	Poor	Almost dead; EAB.	N/A	Removed due to Condition
Tree Group	D				-			
580	Picea glauca	White Spruce	27	5	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
581	Picea glauca	White Spruce	13	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
582	Picea glauca	White Spruce	18	5	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
583	Pinus nigra	Austrian Pine	24	5	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
584	Pinus nigra	Austrian Pine	30	5	Fair-Good	Minor dieback and thinning.		Remove due to Development
585	Pinus nigra	Austrian Pine	29	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
586	Pinus nigra	Austrian Pine	21	4	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
587	Pinus nigra	Austrian Pine	11	3	Fair	Leader snapped; Moderate dieback and thinning.	N/A	Remove due to Development
588	Pinus nigra	Austrian Pine	16	3	Fair	Relatively small crown; Moderate dieback and thinning.	N/A	Remove due to Development
589	Pinus nigra	Austrian Pine	22	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
590	Picea glauca	White Spruce	17	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
591	Pinus nigra	Austrian Pine	30	4	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development
592	Pinus nigra	Austrian Pine	13	NA	Dead	Potential risk tree; Stem snapped and hanging ~ 5 m from ground.	N/A	Removed due to Condition
593	Picea glauca	White Spruce	18	4	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
594	Pinus nigra	Austrian Pine	24	4	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
595	Pinus nigra	Austrian Pine	22	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
596	Pinus nigra	Austrian Pine	24	6	Fair-Good	Minor dieback and some chlorosis of needles.	N/A	Remove due to Development
597	Pinus nigra	Austrian Pine	18	3	Fair	Moderate dieback and thinning.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments TPZ Radius (m)		Preservation Recommendation
598	Pinus nigra	Austrian Pine	25	NA	Dead	Potential risk tree.	N/A	Removed due to Condition
599	Pinus nigra	Austrian Pine	27	5	Poor	Significant dieback and thinning.	N/A	Removed due to Condition
600	Pinus nigra	Austrian Pine	26	5	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
601	Fraxinus americana	White Ash	30	3	Poor	Almost dead; EAB.	N/A	Removed due to Condition
602	Thuja occidentalis	Eastern White Cedar	10,5,5	3	Fair-Good	Three stems with a combined DBH of 12 cm; Some chlorosis of needles.	N/A	Remove due to Development
603	Thuja occidentalis	Eastern White Cedar	9,9	3	Fair-Good	Codominant stems with a combined DBH of 13 cm; Some chlorosis of needles.	N/A	Remove due to Development
604	Thuja occidentalis	Eastern White Cedar	12,8,5	3	Fair-Good	Three stems with a combined DBH of 15 cm; Some chlorosis of needles.	N/A	Remove due to Development
605	Thuja occidentalis	Eastern White Cedar	13,6	3	Fair-Good	Two stems with a combined DBH of 14 cm; Some chlorosis of needles.	N/A	Remove due to Development
606	Thuja occidentalis	Eastern White Cedar	21,10,17,7	4	Fair-Good	Multi-stemmed with a combined DBH of 30 cm; Some chlorosis of needles.	N/A	Remove due to Development
607	Pinus nigra	Austrian Pine	23	4	Fair	Moderate dieback and thinning.	N/A	Remove due to Development
608	Juglans nigra	Black Walnut	37	11	Good	Good form and vigour.	N/A	Remove due to Development
609	Thuja occidentalis	Eastern White Cedar	12,11	3	Fair-Good	Codominant stems with a combined DBH of 16 cm; Some chlorosis of needles.	N/A	Remove due to Development
610	Thuja occidentalis	Eastern White Cedar	6,15	3	Fair-Good	Two stems with a combined DBH of 16 cm; Some chlorosis of needles.	N/A	Remove due to Development
611	Thuja occidentalis	Eastern White Cedar	11,5	3	Poor-Fair	Two stems with a combined DBH of 12 cm; Tree declining in health; Many dead branches.	N/A	Removed due to Condition
612	Thuja occidentalis	Eastern White Cedar	17	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
613	Thuja occidentalis	Eastern White Cedar	14	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
614	Thuja occidentalis	Eastern White Cedar	15,6	3	Fair-Good	Two stems with a combined DBH of 16 cm; Some chlorosis of needles.	N/A	Remove due to Development
615	Thuja occidentalis	Eastern White Cedar	14	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
616	Thuja occidentalis	Eastern White Cedar	17,8,6	3	Fair-Good	Three stems with a combined DBH of 20 cm; Some chlorosis of needles.	N/A	Remove due to Development
617	Thuja occidentalis	Eastern White Cedar	15,6	3	Fair-Good	Two stems with a combined DBH of 16 cm; Some chlorosis of needles.	N/A	Remove due to Development
618	Thuja occidentalis	Eastern White Cedar	13	2	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments	TPZ Radius <sup>2</sup> (m)	Preservation Recommendation
619	Thuja occidentalis	Eastern White Cedar	12	2	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
620	Thuja occidentalis	Eastern White Cedar	17	4	Fair	Chlorosis of needles; Moderate dieback and thinning.	N/A	Remove due to Development
621	Thuja occidentalis	Eastern White Cedar	13,10	3	Fair	Two stems with a combined DBH of 16 cm; Chlorosis of needles; Moderate dieback and thinning.	N/A	Remove due to Development
622	Thuja occidentalis	Eastern White Cedar	22	4	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
623	Thuja occidentalis	Eastern White Cedar	19,10	4	Fair-Good	Two stems with a combined DBH of 21 cm; Some chlorosis of needles.	N/A	Remove due to Development
624	Thuja occidentalis	Eastern White Cedar	13,10	3	Fair-Good	Two stems with a combined DBH of 16 cm; Some chlorosis of needles.	N/A	Remove due to Development
625	Thuja occidentalis	Eastern White Cedar	10,12,11,5	4	Fair-Good	Multi-stemmed with a combined DBH of 20 cm; Some chlorosis of needles.	N/A	Remove due to Development
626	Thuja occidentalis	Eastern White Cedar	14,14,10	3	Fair-Good	Three stems with a combined DBH of 22 cm; Some chlorosis of needles.	N/A	Remove due to Development
627	Thuja occidentalis	Eastern White Cedar	15	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
628	Thuja occidentalis	Eastern White Cedar	16	2	Fair	Some chlorosis of needles; Moderate dieback.	N/A	Remove due to Development
629	Thuja occidentalis	Eastern White Cedar	8,8,7	2	Poor-Fair	Three stems with a combined DBH of 13 cm; Tree declining in health; Few needles at top of crown.	N/A	Removed due to Condition
630	Thuja occidentalis	Eastern White Cedar	15,13	3	Fair-Good	Codominant stems with a combined DBH of 20 cm; Some chlorosis of needles.	N/A	Remove due to Development
631	Thuja occidentalis	Eastern White Cedar	14	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
632	Thuja occidentalis	Eastern White Cedar	15	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
633	Thuja occidentalis	Eastern White Cedar	10,7,6	3	Fair-Good	Three stems with a combined DBH of 14 cm; Some chlorosis of needles.	N/A	Remove due to Development
634	Thuja occidentalis	Eastern White Cedar	17	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
635	Thuja occidentalis	Eastern White Cedar	17	3	Fair-Good	Some chlorosis of needles.	N/A	Remove due to Development
636	Thuja occidentalis	Eastern White Cedar	13,8	3	Fair-Good	Two stems with a combined DBH of 15 cm; Some chlorosis of needles.	N/A	Remove due to Development
637	Thuja occidentalis	Eastern White Cedar	10,12,22	3	Fair-Good	Three stems with a combined DBH of 27 cm; Some chlorosis of needles.	N/A	Remove due to Development
638	Thuja occidentalis	Eastern White Cedar	5,5,8	2	Fair-Good	Three stems with a combined DBH of 11 cm; Some chlorosis of needles.	N/A	Remove due to Development
639	Thuja occidentalis	Eastern White Cedar	20,9	4	Fair-Good	Two stems with a combined DBH of 22 cm; Some chlorosis of needles.	N/A	Remove due to Development



Tag/Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comments		Preservation Recommendation
640	Thuja occidentalis	Eastern White Cedar	11,6	3	Fair-Good	Two stems with a combined DBH of 13 cm; Some chlorosis of needles.		Remove due to Development
641	Pinus nigra	Austrian Pine	33	7	Fair-Good	Minor dieback and thinning.		Remove due to Development
NT1	Picea pungens	Colorado Blue Spruce	31	7	Fair-Good	Suppressed on south side of tree.	N/A	Remove due to Development
642	Fraxinus americana	White Ash	25	3	Poor	Almost dead; EAB.	N/A	Removed due to Condition
643	Pinus nigra	Austrian Pine	32,12,19,11	7	Fair-Good	Multi-stemmed with a combined DBH of 41 cm; Minor dieback and thinning.	N/A	Remove due to Development
645	Pinus nigra	Austrian Pine	24,30	7	Good	Two stems with a combined DBH of 38 cm; Good form and vigour.	N/A	Remove due to Development
646	Picea pungens	Colorado Blue Spruce	36	6	Fair-Good	Minor dieback and thinning.	N/A	Remove due to Development

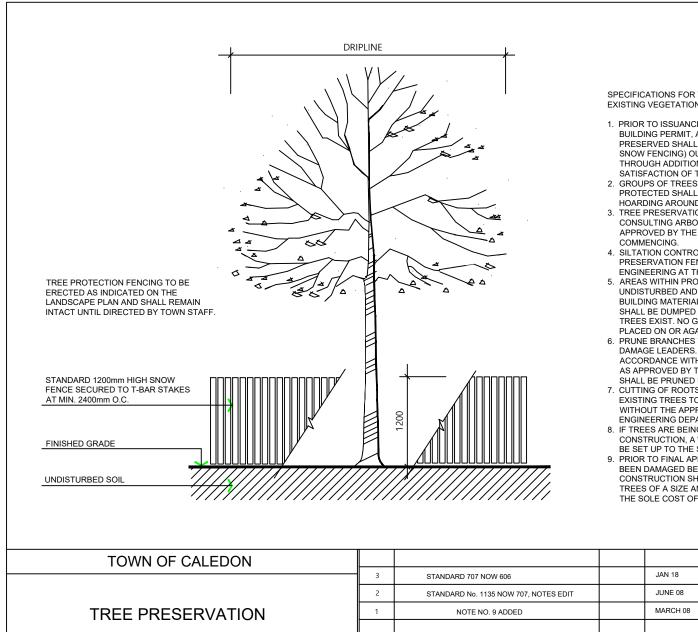
The tree health condition rating was based on factors that could include one or a combination of: *Poor Condition* – Severe dieback, significant lean, decayed, missing leader, significant disease presence; *Fair Condition* – Moderate dieback and/or lean, limb defects, multiple stems, moderate foliage damage from stress; or *Good Condition* – Healthy vigorous growth, no or minor visible defects or damage; o

 The TPZ is the minimum distance required for tree preservation. Where this distance cannot be provided, the tree may be recommended for removal.



# Appendix C

Town of Caledon Tree Preservation Standard No. 606



SPECIFICATIONS FOR THE PROTECTION AND PRESERVATION OF EXISTING VEGETATION:

- 1. PRIOR TO ISSUANCE OF THE GRADING AND SERVICING OR BUILDING PERMIT, ALL EXISTING TREES THAT ARE TO BE PRESERVED SHALL BE FULLY PROTECTED WITH HOARDING (IE SNOW FENCING) OUTSIDE THEIR 'DRIPLINES', OR AS DIRECTED THROUGH ADDITIONAL GOVERNING DOCUMENTS, TO THE SATISFACTION OF THE TOWN.
- 2. GROUPS OF TREES AND OTHER EXISTING PLANTINGS TO BE PROTECTED SHALL BE TREATED IN A LIKE MANNER WITH HOARDING AROUND THE ENTIRE CLUMP(S).
- 3. TREE PRESERVATION FENCE IS TO BE INSPECTED BY THE CONSULTING ARBORIST OR LANDSCAPE ARCHITECT AND APPROVED BY THE TOWN PRIOR TO CONSTRUCTION
- 4. SILTATION CONTROL FENCING MAY BE USED AS A TREE PRESERVATION FENCING SUBSTITUTE IF REQUIRED BY ENGINEERING AT THE DISCRETION OF THE TOWN.
- 5. AREAS WITHIN PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT. NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST. NO GARBAGE OR BUILDING MATERIALS ARE TO BE PLACED ON OR AGAINST THE TREE PRESERVATION FENCE.
- 6. PRUNE BRANCHES TO REMOVE DAMAGED LIMBS ONLY. DO NOT DAMAGE LEADERS. ALL CUTS OVER 25mm SHALL BE TREATED IN ACCORDANCE WITH APPROPRIATE HORTICULTURAL PRACTICES AS APPROVED BY THE TOWN. NO MORE THAN 20% OF THE TREE SHALL BE PRUNED UNLESS DIRECTED BY THE TOWN.
- 7. CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES TO BE PRESERVED WILL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE PUBLIC WORKS AND ENGINEERING DEPARTMENT.
- 8. IF TREES ARE BEING ADVERSELY AFFECTED BY CONSTRUCTION, A WATERING AND FERTILIZING PROGRAM IS TO BE SET UP TO THE SATISFACTION OF THE TOWN.
- 9. PRIOR TO FINAL APPROVAL TREES THAT HAVE DIED OR HAVE BEEN DAMAGED BEYOND REPAIR PRIOR DURING OR POST CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH TREES OF A SIZE AND SPECIES APPROVED BY THE TOWN, AT THE SOLE COST OF THE DEVELOPER.

TOWN OF CALEDON					APR'D:	C.C.	DATE: JUNE 08
	3	STANDARD 707 NOW 606		JAN 18	APR D:	0.0.	DATE: JUNE 00
	2	STANDARD No. 1135 NOW 707, NOTES EDIT		JUNE 08	DRAWN: abal	abal	SCALE: NTS
TREE PRESERVATION	1	NOTE NO. 9 ADDED		MARCH 08			
	NO.	REVISION	APR'D	DATE	STANDARD No. 60		D No. 606