



GUIDING SOLUTIONS IN THE  
NATURAL ENVIRONMENT

# Arborist Report 3225 5<sup>th</sup> Concession Road City of Pickering

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*Prepared For:*

**869547 Ontario Inc.**

*Prepared By:*

**Beacon Environmental Limited**

*Date:*      *Project:*

**September 2023      221050**

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## 1. Introduction

Beacon Environmental Limited (Beacon) has been retained by 869547 Ontario Inc. to undertake an Arborist Report and Tree Inventory and Preservation Plan (TIPP) in connection with the proposed development of the property located at 3225 5<sup>th</sup> Concession Road within in the City of Pickering, Durham Region as shown in **Figure 1** (herein referred to as the “subject property”).

The City of Pickering requires the completion of an Arborist Report and TIPP in accordance with the City’s Tree Inventory, Preservation, and Removal Compensation Requirements (undated) as part of development applications (i.e., Draft Plan of Subdivision, Zoning By-law Amendment, and/or Site Plan Application) prepared by a Certified Arborist or Landscape Architect. The City’s guidelines apply to all trees  $\geq 15$  cm in diameter at breast height (DBH) located within the subject property/study area and adjoining lands that may be affected by development.

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 City’s Tree Inventory, Preservation, and Removal Compensation Requirements (undated), and the Arborists’ Certification Study Guide (Lilly 2001).

## 2. Methodology

Tree inventory data were collected on August 8, 2023 by a Beacon arborist certified by the International Society of Arboriculture (ISA). The inventory includes trees at least 15 cm DBH in size within 6 m of the proposed development limit within the subject property/study area and adjoining properties.

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. Tree locations were recorded using an EOS Arrow 100 GNSS Receiver with submeter accuracy 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 139 individually tagged trees with a minimum DBH of 15 cm were inventoried and assessed within 6 m of the proposed development limit on the subject property and adjoining lands.

Of the 139 inventoried trees, 126 are located on the subject property, 12 are located within the municipal road allowance (MRA) including three trees that are within an “unopened” portion of the MRA to the south, and one (1) is co-owned between the subject property and the MRA.

There were no trees recorded within 6 m of the development limit within the eastern half of the subject property. On this basis, all inventoried trees are located within the western half of the subject property.

All tree inventory data are presented in the tree inventory table in **Appendix B** and the locations of all inventoried trees are provided in the TIPP (**Appendix C**).

#### 3.1 Subject Property Trees

The 126 subject property trees are listed in decreasing order of abundance and provided in **Table 1**.

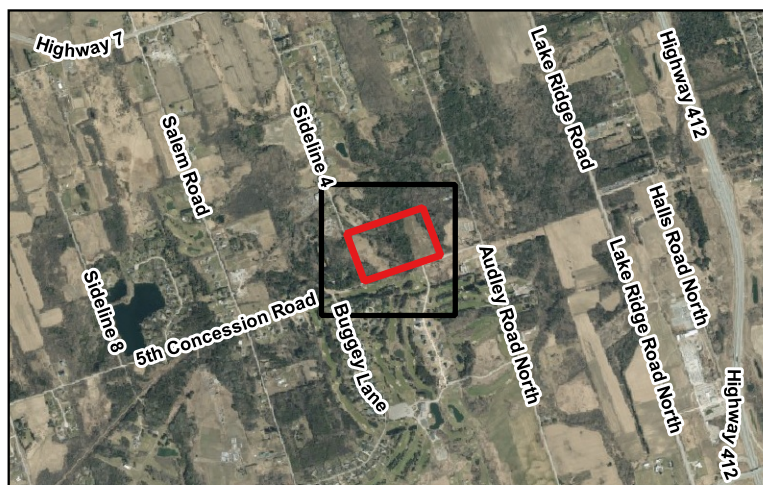
**Table 1. Subject Property Tree Species and Quantity**



Scientific Name	Common Name	Quantity
<i>Thuja occidentalis</i>	Eastern White Cedar	99
<i>Acer saccharum</i>	Sugar Maple	14
<i>Betula papyrifera</i>	Paper Birch	4
<i>Salix alba</i>	White Willow	3
<i>Prunus serotina</i>	Black Cherry	1
<i>Malus pumila</i>	Common Apple	1
<i>Acer platanoides</i>	Norway Maple	1
<i>Picea abies</i>	Norway Spruce	1
<i>Pinus sylvestris</i>	Scots Pine	1
<i>Fraxinus americana</i>	White Ash	1

As per the results presented in **Table 1**, a little more than three-quarters (~ 79%) of the subject property trees consist of Eastern White Cedar (*Thuja occidentalis*). Sugar Maple (*Acer saccharum*) accounts for approximately 11% of the inventoried trees. The remaining trees (~ 10%) consist of several to single individuals of Paper Birch (*Betula papyrifera*), White Willow (*Salix alba*), Black Cherry (*Prunus serotina*), Common Apple (*Malus pumila*), Norway Maple (*A. platanoides*), Norway Spruce (*Picea abies*), Scots Pine (*Pinus sylvestris*), and White Ash (*Fraxinus americana*).

#### 3.2 Municipal Road Allowance Trees

The 12 MRA trees located within 6 m of the subject property, listed in decreasing order of abundance include:



Site Location		Figure 1	
Frisque EIS			
		Project: 221050 Last Revised: September 2023	
Client: 869547 Ontario Inc.		Prepared by: BD Checked by: KQ	
	1:4,800	Inset Map: 1:50,000	
Contains information licensed under the Open Government License—Ontario Orthoimagery Baselayer: 2022 (FBS)			

- Six (6) Sugar Maple ranging from 16 cm to 38 cm DBH, including a single dead tree, and the others ranging from fair to good condition;
- Three (3) dead White Ash ranging from 16 cm to 32 cm DBH;
- One (1) Trembling Aspen (*Populus tremuloides*) that is 38 cm DBH and in fair condition;
- One (1) American Elm (*Ulmus americana*) that is in good condition; and
- One (1) two-stemmed Basswood (*Tilia americana*) with an aggregate DBH of 33 cm that is in good condition.

### 3.3 Co-owned Trees

There is a single, co-owned 91 cm DBH Sugar Maple that is in fair to good condition located between the subject property and MRA (i.e., fronting onto Sideline 4).

## 4. Proposed Development, Tree Preservation and Removal

The proposed development is for 13 single detached residential dwellings, roadways, and associated infrastructure within the subject property. As mentioned, there were no trees recorded within 6 m of the development limit within the eastern half of the subject property.

A total of 81 individual trees are proposed or recommended for removal. The 81 trees include 74 trees that are proposed for removal to accommodate development and seven (7) 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 58 trees recommended for preservation.

Detailed tree preservation and removal recommendations are provided below and shown in the TIPP (**Appendix C**).

### 4.1 Trees Proposed for Removal Due to Development

Trees located within and immediately adjacent to the area that will be affected by the footprint of the proposed development are proposed for removal. On this basis, there are 74 trees proposed for removal to accommodate development which are all located on the subject property. Of the 74 trees, 70 consist of primarily planted Eastern White Cedar within the hedgerow along the western property boundary fronting onto Sideline 4.

The 74 trees proposed for removal are listed below in descending order of abundance and include:

- Seventy (70) primarily multi-stemmed Eastern White Cedar that range from 15 cm to 38 cm in aggregate DBH and are all in fair to good condition;
- Two (2) White Willow that are 15 cm and 22 cm in DBH and in good condition;
- One (1) multi-stemmed Scots Pine with an aggregate DBH of 31 cm that is in good condition; and
- One (1) Sugar Maple that is 63 cm DBH and in good condition.

## 4.2 Trees Recommended for Removal Due to Condition

There are seven (7) 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, that are recommended for removal. These trees are identified in the TIPP (**Appendix C**) as to be removed due to condition. Of the seven (7) trees, three (3) are located on the subject property and four (4) are located within the MRA (including a single tree located within the “unopened” portion of the MRA to the south).

The three (3) trees (Tree Nos. 151, 253, and 288) recommended for removal on the subject property include:

- One (1) dead White Ash that is 15 cm DBH;
- One (1) dead multi-stemmed Common Apple with an aggregate DBH of 27 cm; and
- One (1) multi-stemmed Paper Birch with an aggregate DBH of 40 cm that is in poor condition.

It is recommended to remove Tree No. 288 with a chainsaw as there are two (2) trees (Tree Nos. 289 and 290) recommended for preservation growing near the stems and through the canopy.

The four (4) trees (Tree Nos. 54, 55, 57, and OS3) located within the MRA recommended for removal include:

- Three (3) dead White Ash that range from 16 cm to 32 cm DBH; and
- One (1) dead Sugar Maple that is 16 cm DBH.

## 4.3 Trees Recommended for Preservation

There are 58 trees recommended for preservation located within the subject property and MRA primarily within buffers to natural features on the subject property side and/or rear yards of future residential lots.

# 5. Tree Preservation/Removal Specifications

Any tree that does not require removal shall be protected through the establishment of a tree protection zone (TPZ). Prior to construction, tree protection hoarding is required to be installed around protected trees located a minimum distance as shown in the “TPZ” column of the tree inventory table in **Appendix B**, measured from the base of the tree, unless otherwise specified.

A minimum TPZ radius of 6 cm is recommended for every 1 cm of trunk diameter which is consistent with other municipalities within the Greater Toronto Area. Alternatively, provided that there is sufficient area, the TPZ shall be installed one metre offset from the dripline of trees to be preserved in accordance with City of Pickering standards (**Appendix D**).

**Table 2** below outlines minimum TPZs based on tree diameter categories with 6 cm of TPZ radius for every 1 cm of trunk diameter.



**Table 2. Minimum Tree Protection Zone Distances**

Trunk Diameter at Breast Height (cm)	Minimum TPZ (m)
≤10	1.2
11-20	1.2
21-30	1.8
31-40	2.4
41-50	3.0
51-60	3.6
61-70	4.2
71-80	4.8
81-90	5.4
91-100	6.0

TPZs that are less than the standard minimum generally require additional arboricultural measures to be applied to trees (i.e., root/branch pruning, soil protection, etc.). The locations of tree protection barriers are shown in the TIPP (**Appendix C**).

In addition to the establishment of TPZs, the following specifications 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; and
- Where an access route abuts the tree protection fencing, curbs shall be hand-formed to minimize root loss.

The City of Pickering tree preservation notes and specifications are provided in **Appendix E**.

## 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 the absence of nesting activity. 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 City’s Tree Inventory, Preservation, and Removal Compensation Requirements (undated), compensation is required for the removal of all existing live trees with a minimum DBH of 15 cm to accommodate development on the subject property, and as a condition of approval of a Draft Plan of Subdivision, ZBA, Land Division or SPA.

As per the City’s guidelines, ash trees (*Fraxinus* spp.) are excluded from the tree compensation calculations as they are susceptible to the Emerald Ash Borer. Compensation may be made in the form of replacement plantings or cash-in-lieu, to be paid to the City of Pickering to fund tree planting initiatives elsewhere within the City.

The number of replacement trees required by the City of Pickering is determined by the DBH of each tree proposed for removal as outlined in **Table 3**. As per the City’s compensation requirements, compensation for the removal of multi-stemmed trees shall be calculated on a per stem basis.

**Table 3. City of Pickering Tree Removal Compensation Ratios**

DBH of Tree to be Removed (cm)	Compensation Ratio
15 – 29	1:1
30 – 49	2:1
50 – 74	3:1
≥ 75	4:1

Replacement calculations for trees proposed for removal are shown below in **Table 4** and are based on the City’s requirements, the tree inventory table in **Appendix B**, and the TIPP (**Appendix C**).

**Table 4. Tree Replacement Calculation Table**

Size Class (DBH in cm)	Number of Trees Proposed for Removal	Tree Replacement Calculation	Number of Replacement Trees Required
15 – 29	107	1 x 107	107
30 – 49	2	2 x 2	4
50 – 74	1	3 x 1	3
≥ 75	0	4 x 0	0
<b>Total Number of Replacement Trees Required</b>			<b>114</b>

Based on the results presented in **Table 4**, a total of 114 replacement trees are required to compensate for the proposed removal of trees to accommodate the proposed development.

As per the City’s guidelines, replacement trees should consist of deciduous trees with a minimum caliper size of 60 mm (6 cm) and/or coniferous trees with a minimum height of 1.8 m. Any municipal boulevard tree planting requirements within the MRA will not be considered as part of the tree replacement compensation.

The City’s Tree Inventory, Preservation, and Removal Compensation Requirements (undated) states that:

*Should compensation planting take the form of naturalization planting in an open space area where smaller size plant material may be more suitable, the City will determine the appropriate total quantity/value of the plant material that will be required. Reasonable effort must be taken to compensate for tree loss through on-site and/or off-site plantings by the developer.*

As such, there may be opportunities for naturalization plantings. Determination of replacement tree size, species and location will be determined in consultation with the City of Pickering.

A list of suggested native and non-invasive ornamental tree species that can be used as replacement trees is shown in **Table 5**. Plantings for naturalized buffers adjacent to the NHS should consist of entirely native species, with exotic species and cultivars avoided.

**Table 5. List of Suggested Tree Species for Planting**

Scientific Name	Common Name
<i>Acer saccharum</i>	Sugar Maple
<i>Acer rubrum</i>	Red Maple
<i>Aesculus glabra</i>	Ohio Buckeye
<i>Amelanchier canadensis</i>	Canada Serviceberry
<i>Carya cordiformis</i>	Bitternut Hickory
<i>Liriodendron tulipifera</i>	Tulip Tree
<i>Platanus x acerifolia</i>	London Plane
<i>Ostrya virginiana</i>	Ironwood
<i>Quercus alba</i>	White Oak
<i>Quercus bicolor</i>	Swamp White Oak

Scientific Name	Common Name
<i>Quercus rubra</i>	Red Oak
<i>Sorbus americana</i>	American Mountain-ash
<i>Thuja occidentalis</i>	Eastern White Cedar
<i>Ulmus americana</i> 'Valley Forge'	Valley Forge Elm

Trees should be planted with adequate soil volume using good quality soil, proper installation, and subsequent maintenance. Furthermore, replacement trees should be watered regular for at least the first two years.

## 7. Summary

Beacon was retained by 869547 Ontario Inc. to undertake an Arborist Report and TIPP in connection with the proposed development of the property located at 3225 5<sup>th</sup> Concession Road, within the City of Pickering, Durham Region.

A total of 139 individually tagged trees with a minimum DBH of 15 cm was inventoried and assessed within the subject property and adjoining properties. A total of 81 individual trees is proposed or recommended for removal including 74 trees that are proposed for removal to accommodate development and seven (7) trees that are recommended for removal due to their condition. There are 58 trees that are recommended for preservation.

As per tree compensation calculations provided in Section 6 of this report, a total of 114 replacement trees are required to compensate for the removal of trees at least 15 cm DBH in size in accordance with City of Pickering tree compensation guidelines.

Should you have any comments regarding the above, or require clarification or modification, please contact the undersigned at (647) 770-5769 (Haney).

Report prepared by:  
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## 8. References

City of Pickering. Undated.

Tree Inventory, Preservation, and Removal Compensation Requirements.

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.

# Appendix A

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## 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.

# Appendix B

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## Tree Inventory Table



# Appendix B

## Tree Inventory Table

Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment	Ownership	TPZ Radius <sup>2</sup> (m)	Tree Preservation Recommendation
47	<i>Thuja occidentalis</i>	Eastern White Cedar	18	4	Poor-Fair	Minor dieback and thinning; Significant mechanical damage to stem; Wooden boards nailed into stem; Wound wood present.	Subject Property	1.2	Preserve
48	<i>Picea abies</i>	Norway Spruce	62	8	Fair-Good	Minor dieback and thinning.	Subject Property	4.2	Preserve
49	<i>Acer platanoides</i>	Norway Maple	59	10	Fair-Good	Minor dieback and thinning; Stems fork above breast height; Included bark.	Subject Property	3.6	Preserve
50	<i>Salix alba</i>	White Willow	12, 6, 5, 3, 3 (15)	6	Good	Good vigour; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
51	<i>Salix alba</i>	White Willow	22	6	Good	Good vigour.	Subject Property	N/A	Remove Due to Development
52	<i>Prunus serotina</i>	Black Cherry	52	9	Fair	Minor dieback and thinning; Large wound along stem; Wound wood present.	Subject Property	3.6	Preserve
53	<i>Acer saccharum</i>	Sugar Maple	17	5	Good	Good form and vigour.	Subject Property	1.2	Preserve
54	<i>Fraxinus americana</i>	White Ash	22	N/A	Dead	Standing snag.	Municipal Road Allowance	N/A	Remove Due to Condition
55	<i>Acer saccharum</i>	Sugar Maple	16	N/A	Dead	Standing snag.	Municipal Road Allowance	N/A	Remove Due to Condition
56	<i>Ulmus americana</i>	American Elm	15	5	Good	Good form.	Municipal Road Allowance	1.2	Preserve
57	<i>Fraxinus americana</i>	White Ash	16	N/A	Dead	Standing snag.	Municipal Road Allowance	N/A	Remove Due to Condition
151	<i>Betula papyrifera</i>	Paper Birch	27, 29 (40)	8	Poor	Significant dieback and thinning; Almost dead; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Condition
152	<i>Betula papyrifera</i>	Paper Birch	34	6	Fair-Good	Minor dieback and thinning; Flush cuts to stem; Wound wood present.	Subject Property	2.4	Preserve
153	<i>Betula papyrifera</i>	Paper Birch	23, 26, 20 (40)	8	Fair	Moderate dieback and thinning; Several large branches dead; Stems fork near ground; Included bark.	Subject Property	2.4	Preserve
154	<i>Betula papyrifera</i>	Paper Birch	25, 20 (32)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	2.4	Preserve
155	<i>Tilia americana</i>	Basswood	27, 19 (33)	8	Good	Good vigour; Stems fork near ground; Included bark; Full healthy crown.	Municipal Road Allowance	2.4	Preserve
156	<i>Acer saccharum</i>	Sugar Maple	19	6	Good	Good vigour; Uneven canopy.	Municipal Road Allowance	1.2	Preserve
157	<i>Acer saccharum</i>	Sugar Maple	29	9	Good	Good form and vigour; Full healthy crown.	Subject Property	1.8	Preserve
158	<i>Acer saccharum</i>	Sugar Maple	30	9	Good	Good form and vigour; Stem located on west side of wire fence, likely off property.	Subject Property	1.8	Preserve
159	<i>Acer saccharum</i>	Sugar Maple	12, 10 (16)	5	Fair-Good	Good vigour; Stems fork below breast height; Included bark; Mechanical wound along stem; Wound wood present.	Municipal Road Allowance	1.2	Preserve
160	<i>Acer saccharum</i>	Sugar Maple	91	14	Fair-Good	Minor dieback and thinning; Stems fused together; Full healthy crown.	Co-owned between Subject Property and Municipal Road Allowance	6	Preserve
161	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 27, 20 (38)	7	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
162	<i>Thuja occidentalis</i>	Eastern White Cedar	24, 13 (27)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
163	<i>Thuja occidentalis</i>	Eastern White Cedar	26	5	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
164	<i>Thuja occidentalis</i>	Eastern White Cedar	21	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
165	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 10 (24)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
166	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 8 (28)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
167	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 20 (30)	7	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
168	<i>Thuja occidentalis</i>	Eastern White Cedar	19, 20, 11, 10, 5, 6 (32)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
169	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 17, 11, 9 (29)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
170	<i>Thuja occidentalis</i>	Eastern White Cedar	27	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
171	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 6 (26)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development

Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment	Ownership	TPZ Radius <sup>2</sup> (m)	Tree Preservation Recommendation
172	<i>Acer saccharum</i>	Sugar Maple	21, 14 (25)	6	Good	Good vigour; Stems fork below breast height; Included bark.	Subject Property	1.8	Preserve
173	<i>Acer saccharum</i>	Sugar Maple	32	9	Good	Good form and vigour.	Subject Property	2.4	Preserve
174	<i>Acer saccharum</i>	Sugar Maple	28	8	Good	Good form and vigour.	Subject Property	1.8	Preserve
175	<i>Acer saccharum</i>	Sugar Maple	19	6	Good	Good vigour; Uneven crown.	Subject Property	1.2	Preserve
176	<i>Acer saccharum</i>	Sugar Maple	63	13	Good	Good form and vigour; Full healthy crown.	Subject Property	N/A	Remove Due to Development
201	<i>Thuja occidentalis</i>	Eastern White Cedar	29, 19 (35)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
202	<i>Thuja occidentalis</i>	Eastern White Cedar	26, 15, 8 (31)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
203	<i>Thuja occidentalis</i>	Eastern White Cedar	23	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
204	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 8, 15 (27)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
205	<i>Thuja occidentalis</i>	Eastern White Cedar	24	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
206	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 15, 8, 6 (29)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
207	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 19 (29)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
208	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 16, 7 (29)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
209	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 15, 5 (31)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
210	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 13, 5 (26)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
211	<i>Thuja occidentalis</i>	Eastern White Cedar	16, 15, 21 (30)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
212	<i>Thuja occidentalis</i>	Eastern White Cedar	19, 15, 11 (27)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
213	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 13, 8, 12, 8 (31)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
214	<i>Thuja occidentalis</i>	Eastern White Cedar	24	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
215	<i>Thuja occidentalis</i>	Eastern White Cedar	16, 17, 12, 8 (27)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
216	<i>Thuja occidentalis</i>	Eastern White Cedar	23	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
217	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 12, 12 (28)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
218	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 15, 12, 10, 8 (29)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
219	<i>Thuja occidentalis</i>	Eastern White Cedar	12, 10, 8, 5, 5 (19)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
220	<i>Thuja occidentalis</i>	Eastern White Cedar	29	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
221	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 21, 15 (37)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
222	<i>Thuja occidentalis</i>	Eastern White Cedar	22	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
223	<i>Thuja occidentalis</i>	Eastern White Cedar	12, 17, 16 (26)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
224	<i>Thuja occidentalis</i>	Eastern White Cedar	17, 17 (24)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
226	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 25 (35)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
227	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 5, 4 (26)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
228	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 12, 4 (25)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
229	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 5 (23)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
230	<i>Thuja occidentalis</i>	Eastern White Cedar	5, 12, 12, 18 (25)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
231	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 13 (25)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
232	<i>Thuja occidentalis</i>	Eastern White Cedar	28	5	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
233	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 16 (24)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
234	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 12, 8 (26)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
235	<i>Thuja occidentalis</i>	Eastern White Cedar	21	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
236	<i>Acer saccharum</i>	Sugar Maple	28	9	Good	Good form and vigour.	Municipal Road Allowance	1.8	Preserve
237	<i>Acer saccharum</i>	Sugar Maple	28	8	Fair	Moderate dieback and thinning; Exhibiting early autumn leaf drop.	Municipal Road Allowance	1.8	Preserve
238	<i>Thuja occidentalis</i>	Eastern White Cedar	12, 14, 16 (24)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
239	<i>Thuja occidentalis</i>	Eastern White Cedar	15	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
240	<i>Thuja occidentalis</i>	Eastern White Cedar	24, 15 (28)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
241	<i>Thuja occidentalis</i>	Eastern White Cedar	20, 15 (25)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
242	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 4 (16)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development

Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment	Ownership	TPZ Radius <sup>2</sup> (m)	Tree Preservation Recommendation
243	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 24, 15, 14 (35)	7	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
244	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 13 (28)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
245	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 10, 15 (31)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
246	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 12 (28)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
247	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 14 (25)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
248	<i>Thuja occidentalis</i>	Eastern White Cedar	31	6	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
249	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 15 (23)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
250	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 4, 15 (22)	5	Fair-Good	Minor dieback and thinning; Mechanical damage to stem; Wooden boards nailed to stem; Wound wood present.	Subject Property	N/A	Remove Due to Development
251	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 6 (22)	5	Fair-Good	Minor dieback and thinning; Mechanical damage to stem; Wooden boards nailed to stem; Wound wood present.	Subject Property	N/A	Remove Due to Development
252	<i>Acer saccharum</i>	Sugar Maple	15	5	Good	Good vigour.	Subject Property	1.2	Preserve
253	<i>Fraxinus americana</i>	White Ash	15	N/A	Dead	Standing snag.	Subject Property	N/A	Remove Due to Condition
254	<i>Thuja occidentalis</i>	Eastern White Cedar	30	5	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
255	<i>Thuja occidentalis</i>	Eastern White Cedar	5, 25 (25)	4	Fair-Good	Minor dieback and thinning; Mechanical damage to stem; Wooden boards nailed to stem; Wound wood present.	Subject Property	N/A	Remove Due to Development
256	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 5, 6 (22)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
257	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 4 (18)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
258	<i>Thuja occidentalis</i>	Eastern White Cedar	28, 15, 12, 5, 4 (35)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
259	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 4 (21)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
260	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 6, 3 (16)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
261	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 6, 6 (28)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
262	<i>Thuja occidentalis</i>	Eastern White Cedar	28, 16 (32)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
263	<i>Thuja occidentalis</i>	Eastern White Cedar	26	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
264	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 15, 8 (32)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
265	<i>Thuja occidentalis</i>	Eastern White Cedar	24	5	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
266	<i>Acer saccharum</i>	Sugar Maple	17	5	Good	Good vigour; Uneven canopy.	Subject Property	1.2	Preserve
267	<i>Thuja occidentalis</i>	Eastern White Cedar	10, 14, 10, 8 (21)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.8	Preserve
268	<i>Thuja occidentalis</i>	Eastern White Cedar	29	5	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
269	<i>Thuja occidentalis</i>	Eastern White Cedar	8, 12, 4 (15)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.2	Preserve
270	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 5 (25)	4	Fair-Good	Minor dieback and thinning; Stems fork below breast height; Included bark.	Subject Property	1.8	Preserve
271	<i>Thuja occidentalis</i>	Eastern White Cedar	3, 12 (12)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.2	Preserve
272	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 4 (16)	4	Fair-Good	Minor dieback and thinning; Stems fork below breast height; Included bark.	Subject Property	1.2	Preserve
273	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 10 (25)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.8	Preserve
274	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 15 (31)	5	Fair	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	2.4	Preserve
275	<i>Thuja occidentalis</i>	Eastern White Cedar	16	4	Poor-Fair	Minor dieback and thinning; Significant mechanical damage to stem; Wound wood present; Wooden boards nailed to stem.	Subject Property	1.2	Preserve
276	<i>Thuja occidentalis</i>	Eastern White Cedar	21	4	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
277	<i>Thuja occidentalis</i>	Eastern White Cedar	16	3	Fair-Good	Minor dieback and thinning.	Subject Property	1.2	Preserve
278	<i>Thuja occidentalis</i>	Eastern White Cedar	18	4	Fair	Minor dieback and thinning; Mechanical damage to stem; Wooden boards nailed into stem.	Subject Property	1.2	Preserve
279	<i>Thuja occidentalis</i>	Eastern White Cedar	35, 29 (45)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	3	Preserve
280	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 12, 12, 10, 6 (34)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	2.4	Preserve
281	<i>Thuja occidentalis</i>	Eastern White Cedar	26, 15 (30)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.8	Preserve
282	<i>Thuja occidentalis</i>	Eastern White Cedar	15	4	Fair-Good	Minor dieback and thinning.	Subject Property	1.2	Preserve
283	<i>Thuja occidentalis</i>	Eastern White Cedar	21	4	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve

Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment	Ownership	TPZ Radius <sup>2</sup> (m)	Tree Preservation Recommendation
284	<i>Thuja occidentalis</i>	Eastern White Cedar	12, 15, 4, 5, 4, 3, 2 (21)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.8	Preserve
285	<i>Thuja occidentalis</i>	Eastern White Cedar	15	3	Fair-Good	Minor dieback and thinning.	Subject Property	1.2	Preserve
286	<i>Thuja occidentalis</i>	Eastern White Cedar	25	5	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
287	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 18 (28)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.8	Preserve
288	<i>Malus pumila</i>	Common Apple	22, 15 (27)	N/A	Dead	Standing dead; Stems fork at ground; Tree Nos. 289 and 290 growing through canopy.	Subject Property	N/A	Remove Due to Condition
289	<i>Acer saccharum</i>	Sugar Maple	15	6	Good	Good form and vigour; Stem growing through canopy of Tree No. 288.	Subject Property	1.2	Preserve
290	<i>Acer saccharum</i>	Sugar Maple	14	4	Good	Good form and vigour; Stem growing through canopy of Tree No. 288.	Subject Property	1.2	Preserve
291	<i>Thuja occidentalis</i>	Eastern White Cedar	25	4	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
292	<i>Thuja occidentalis</i>	Eastern White Cedar	17	3	Fair-Good	Minor dieback and thinning.	Subject Property	1.2	Preserve
293	<i>Thuja occidentalis</i>	Eastern White Cedar	23	4	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
294	<i>Thuja occidentalis</i>	Eastern White Cedar	27	6	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
295	<i>Thuja occidentalis</i>	Eastern White Cedar	16	3	Fair-Good	Minor dieback and thinning.	Subject Property	1.2	Preserve
296	<i>Thuja occidentalis</i>	Eastern White Cedar	18	4	Fair-Good	Minor dieback and thinning.	Subject Property	1.2	Preserve
297	<i>Acer saccharum</i>	Sugar Maple	15	5	Good	Good form and vigour.	Subject Property	1.2	Preserve
298	<i>Acer saccharum</i>	Sugar Maple	18	7	Fair	Moderate dieback and thinning.	Subject Property	1.2	Preserve
299	<i>Salix alba</i>	White Willow	8, 6, 3, 4, 4 (12)	5	Good	Good vigour; Stems fork near ground; Included bark; Weeping Willow.	Subject Property	1.2	Preserve
300	<i>Pinus sylvestris</i>	Scots Pine	27, 15 (31)	7	Good	Good vigour; Full healthy crown; Stems fork below breast height; Included bark.	Subject Property	N/A	Remove Due to Development
OS1	<i>Acer saccharum</i>	Sugar Maple	38	10	Good	Good form and vigour; Full healthy crown.	Municipal Road Allowance	2.4	Preserve
OS2	<i>Populus tremuloides</i>	Trembling Aspen	38	9	Fair	Moderate dieback and thinning.	Municipal Road Allowance	2.4	Preserve
OS3	<i>Fraxinus americana</i>	White Ash	32	N/A	Dead	Standing snag.	Municipal Road Allowance	N/A	Remove Due to Condition

1. The tree health condition rating was based on factors that could include one or a combination of:

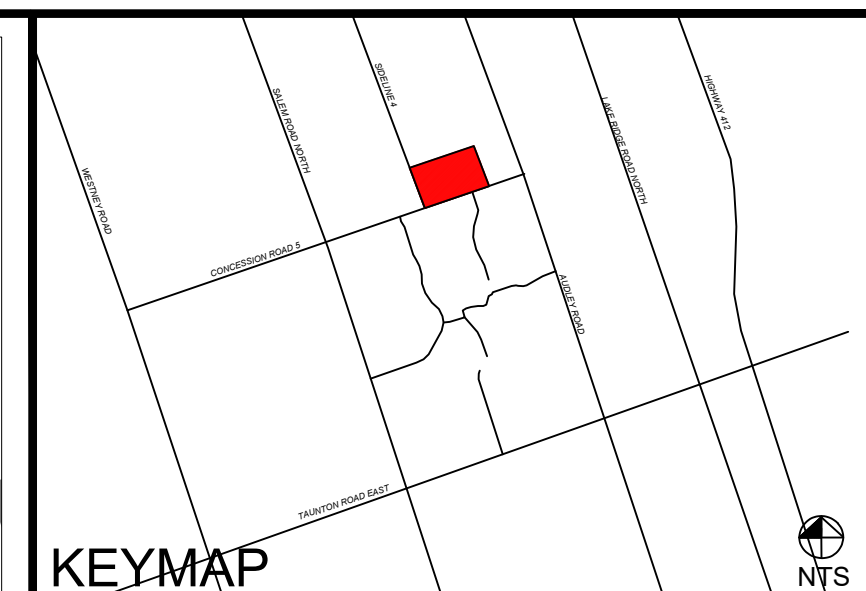
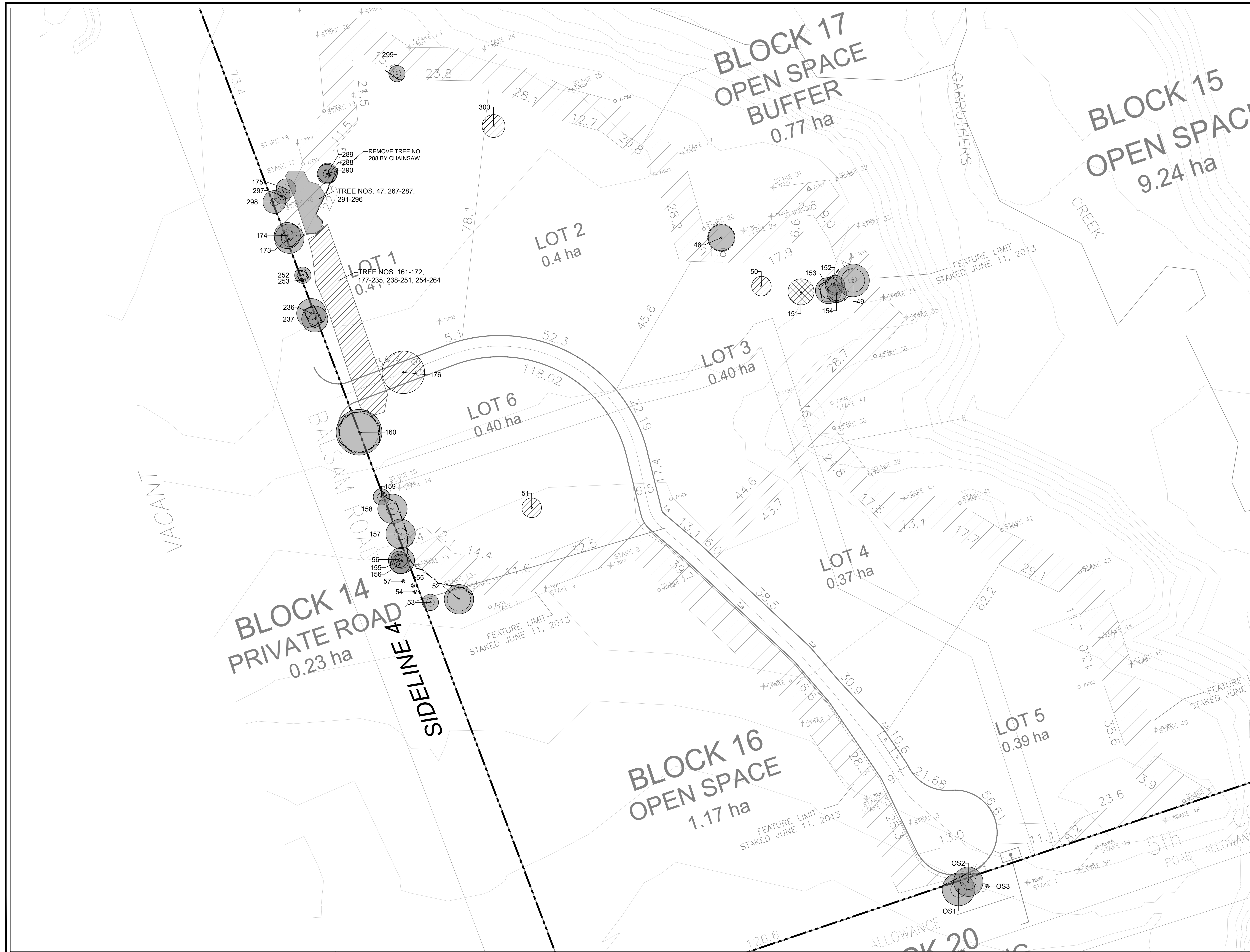
- Poor Condition* – Severe dieback, significant lean, decayed, missing leader, significant disease presence
- Fair Condition* – Moderate dieback and/or lean, limb defects, multiple stems, moderate foliage damage from stress
- Good Condition* – Healthy vigorous growth, no or minor visible defects or damage

2. 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

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## Tree Inventory and Preservation Plan



**LEGEND**

- Property Boundary
- x- Tree Preservation Fence
- 1678 Tree Tag
- Tree Crown
- Minimum Tree Protection Zone
- Tree Location
- Tree to be Preserved
- ⊗ Tree to be Removed due to Condition
- ⊘ Tree to be Removed due to Development

Notes: Scale shown is for an 36" x 24" page. For illustrative purposes. Do not scale.

NO	REVISIONS	DATE	BY:
6			
5			
4			
3			
2			
1	ISSUED FOR SUBMISSION	2023/09/15	AH

SCALE

NORTH ARROW

CERTIFIED ARBORIST  
**ISA**  
 ALEX HANEY  
 #CN-2327A

**BEACON ENVIRONMENTAL**

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CLIENT  
**869547 ONTARIO INC.**

PROJECT  
**3225 5TH CONCESSION ROAD (PART OF LOTS 3 AND 4), CITY OF PICKERING**

SHEET TITLE  
**TREE INVENTORY AND PRESERVATION PLAN**

DESIGN BY: ..	PROJECT NO: 221050
DRAWN BY: JA	FIGURE NO:
CHECKED BY: AH	<b>TP-1</b>
DATE: 15 September 2023	

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TREE INVENTORY TABLE

Tree No.	Scientific Name	Common Name	DBH (cm)	Crown Diameter (m)	Condition	Comment	Ownership	TPZ Radius <sup>2</sup> (m)	Tree Preservation Recommendation
47	<i>Thuja occidentalis</i>	Eastern White Cedar	18	4	Poor-Fair	Minor dieback and thinning; Significant mechanical damage to stem; Wooden boards nailed into stem; Wound wood present.	Subject Property	4.2	Preserve
48	<i>Picea abies</i>	Norway Spruce	62	8	Fair-Good	Minor dieback and thinning.	Subject Property	1.2	Preserve
49	<i>Acer platanoides</i>	Norway Maple	59	10	Fair-Good	Minor dieback and thinning; Stems fork above breast height; Included bark.	Subject Property	3.6	Preserve
50	<i>Salix alba</i>	White Willow	12, 6, 5, 3, 3 (15)	6	Good	Good vigour; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
51	<i>Salix alba</i>	White Willow	22	6	Good	Good vigour.	Subject Property	N/A	Remove Due to Development
52	<i>Prunus serotina</i>	Black Cherry	52	9	Fair	Minor dieback and thinning; Large wound along stem; Wound wood present.	Subject Property	3.6	Preserve
53	<i>Acer saccharum</i>	Sugar Maple	17	5	Good	Good form and vigour.	Subject Property	1.2	Preserve
54	<i>Fraxinus americana</i>	White Ash	22	N/A	Dead	Standing snag.	Municipal Road Allowance	N/A	Remove Due to Condition
55	<i>Acer saccharum</i>	Sugar Maple	16	N/A	Dead	Standing snag.	Municipal Road Allowance	N/A	Remove Due to Condition
56	<i>Ulmus americana</i>	American Elm	15	5	Good	Good form.	Municipal Road Allowance	1.2	Preserve
57	<i>Fraxinus americana</i>	White Ash	16	N/A	Dead	Standing snag.	Municipal Road Allowance	N/A	Remove Due to Condition
151	<i>Betula papyrifera</i>	Paper Birch	27, 29 (40)	8	Poor	Significant dieback and thinning; Almost dead; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Condition
152	<i>Betula papyrifera</i>	Paper Birch	34	6	Fair-Good	Minor dieback and thinning; Flush cuts to stem; Wound wood present.	Subject Property	2.4	Preserve
153	<i>Betula papyrifera</i>	Paper Birch	23, 26, 20 (40)	8	Fair	Moderate dieback and thinning; Several large branches dead; Stems fork near ground; Included bark.	Subject Property	2.4	Preserve
154	<i>Betula papyrifera</i>	Paper Birch	25, 20 (32)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	2.4	Preserve
155	<i>Tilia americana</i>	Basswood	27, 19 (33)	8	Good	Good vigour; Stems fork near ground; Included bark; Full healthy crown.	Municipal Road Allowance	2.4	Preserve
156	<i>Acer saccharum</i>	Sugar Maple	19	6	Good	Good vigour; Uneven canopy.	Municipal Road Allowance	1.2	Preserve
157	<i>Acer saccharum</i>	Sugar Maple	29	9	Good	Good form and vigour; Full healthy crown.	Subject Property	1.8	Preserve
158	<i>Acer saccharum</i>	Sugar Maple	30	9	Good	Good form and vigour; Stem located on west side of wire fence, likely off property.	Subject Property	1.8	Preserve
159	<i>Acer saccharum</i>	Sugar Maple	12, 10 (16)	5	Fair-Good	Good vigour; Stems fork below breast height; Included bark; Mechanical wound along stem; Wound wood present.	Municipal Road Allowance	1.2	Preserve
160	<i>Acer saccharum</i>	Sugar Maple	91	14	Fair-Good	Minor dieback and thinning; Stems fused together; Full healthy crown.	Municipal Road Allowance	6	Preserve
161	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 27, 20 (38)	7	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
162	<i>Thuja occidentalis</i>	Eastern White Cedar	24, 13 (27)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
163	<i>Thuja occidentalis</i>	Eastern White Cedar	26	5	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
164	<i>Thuja occidentalis</i>	Eastern White Cedar	21	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
165	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 10 (24)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
166	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 8 (28)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
167	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 20 (30)	7	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
168	<i>Thuja occidentalis</i>	Eastern White Cedar	19, 20, 11, 10, 5, 6 (32)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
169	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 17, 11, 9 (29)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
170	<i>Thuja occidentalis</i>	Eastern White Cedar	27	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
171	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 6 (26)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
172	<i>Acer saccharum</i>	Sugar Maple	21, 14 (25)	6	Good	Good vigour; Stems fork below breast height; Included bark.	Subject Property	1.8	Preserve
173	<i>Acer saccharum</i>	Sugar Maple	32	9	Good	Good form and vigour.	Subject Property	2.4	Preserve
174	<i>Acer saccharum</i>	Sugar Maple	28	9	Good	Good form and vigour.	Subject Property	1.8	Preserve
175	<i>Acer saccharum</i>	Sugar Maple	19	6	Good	Good vigour; Uneven crown.	Subject Property	1.2	Preserve
176	<i>Acer saccharum</i>	Sugar Maple	63	13	Good	Good form and vigour; Full healthy crown.	Subject Property	N/A	Remove Due to Development
201	<i>Thuja occidentalis</i>	Eastern White Cedar	29, 19 (35)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
202	<i>Thuja occidentalis</i>	Eastern White Cedar	26, 15, 8 (31)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
203	<i>Thuja occidentalis</i>	Eastern White Cedar	23	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
204	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 8, 15 (27)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
205	<i>Thuja occidentalis</i>	Eastern White Cedar	24	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
206	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 15, 8, 6 (29)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
207	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 19 (29)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
208	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 16, 7 (29)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
209	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 15, 5 (31)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
210	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 13, 5 (26)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
211	<i>Thuja occidentalis</i>	Eastern White Cedar	16, 15, 21 (30)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
212	<i>Thuja occidentalis</i>	Eastern White Cedar	19, 15, 11 (27)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
213	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 13, 8, 12, 8 (31)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
214	<i>Thuja occidentalis</i>	Eastern White Cedar	24	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
215	<i>Thuja occidentalis</i>	Eastern White Cedar	16, 17, 12, 8 (27)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
216	<i>Thuja occidentalis</i>	Eastern White Cedar	23	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
217	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 12, 12 (28)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
218	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 15, 12, 10, 8 (28)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
219	<i>Thuja occidentalis</i>	Eastern White Cedar	12, 10, 8, 5, 5 (19)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
220	<i>Thuja occidentalis</i>	Eastern White Cedar	29	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
221	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 21, 15 (37)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
222	<i>Thuja occidentalis</i>	Eastern White Cedar	22	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
223	<i>Thuja occidentalis</i>	Eastern White Cedar	12, 17, 16 (26)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
224	<i>Thuja occidentalis</i>	Eastern White Cedar	17, 17 (24)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
226	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 25 (35)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
227	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 5, 4 (26)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
228	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 12, 4 (25)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
229	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 5 (23)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
230	<i>Thuja occidentalis</i>	Eastern White Cedar	5, 12, 12, 18 (25)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
231	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 15 (25)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
232	<i>Thuja occidentalis</i>	Eastern White Cedar	28	5	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
233	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 16 (24)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
234	<i>Thuja occidentalis</i>	Eastern White Cedar	22, 12, 8 (26)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
235	<i>Thuja occidentalis</i>	Eastern White Cedar	21	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
236	<i>Acer saccharum</i>	Sugar Maple	28	9	Good	Good form and vigour.	Municipal Road Allowance	1.8	Preserve
237	<i>Acer saccharum</i>	Sugar Maple	28	8	Fair	Moderate dieback and thinning; Exhibiting early autumn leaf drop.	Municipal Road Allowance	1.8	Preserve
238	<i>Thuja occidentalis</i>	Eastern White Cedar	12, 14, 16 (24)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development

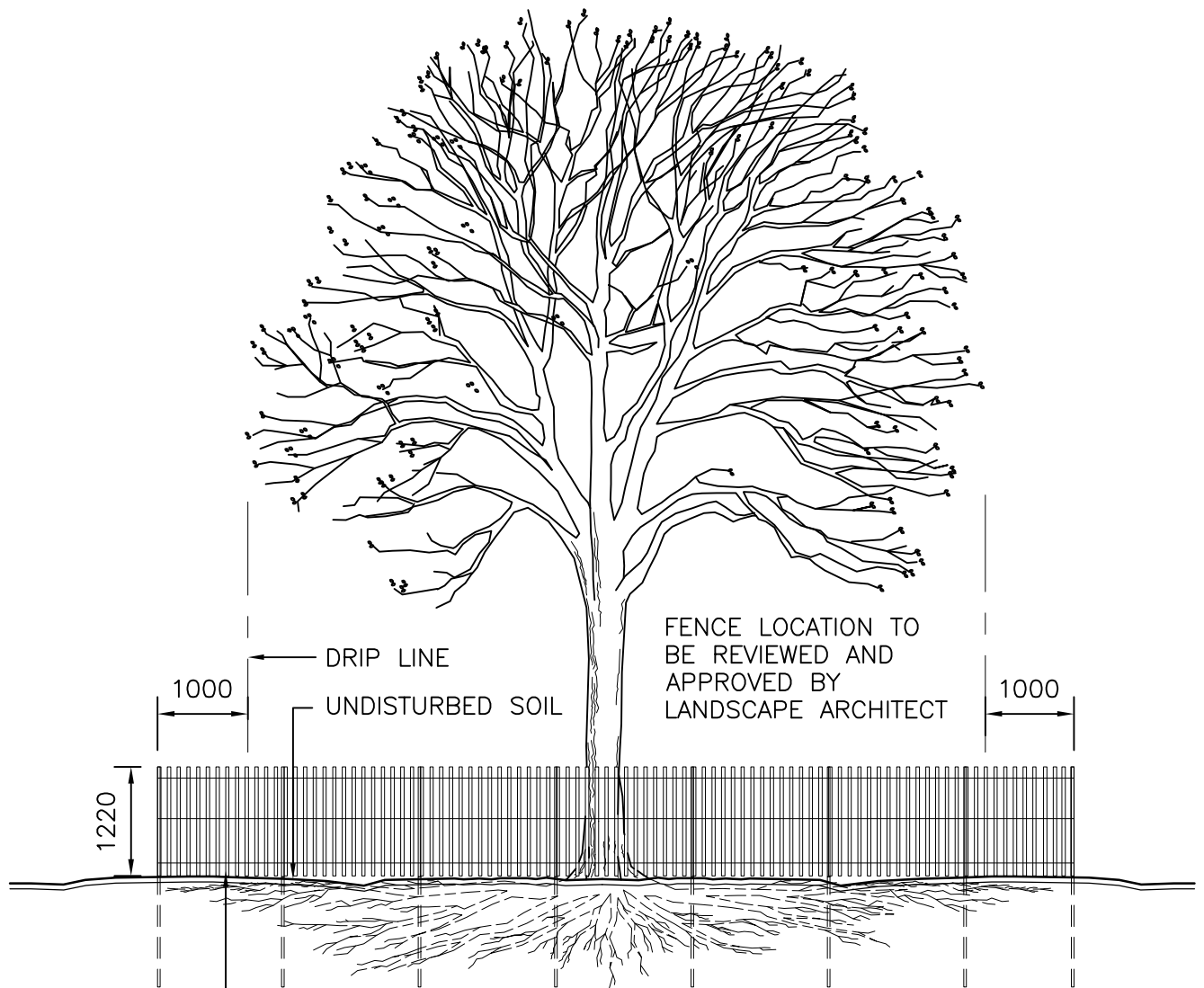
239	<i>Thuja occidentalis</i>	Eastern White Cedar	15	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
240	<i>Thuja occidentalis</i>	Eastern White Cedar	24, 15 (28)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
241	<i>Thuja occidentalis</i>	Eastern White Cedar	20, 15 (25)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
242	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 4 (16)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
243	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 24, 15, 14 (35)	7	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
244	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 13 (28)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
245	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 10, 15 (31)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
246	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 12 (28)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
247	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 14 (25)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
248	<i>Thuja occidentalis</i>	Eastern White Cedar	31	6	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
249	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 15 (23)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
250	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 4, 15 (22)	5	Fair-Good	Minor dieback and thinning; Mechanical damage to stem; Wooden boards nailed to stem; Wound wood present.	Subject Property	N/A	Remove Due to Development
251	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 6 (22)	5	Fair-Good	Minor dieback and thinning; Mechanical damage to stem; Wooden boards nailed to stem; Wound wood present.	Subject Property	N/A	Remove Due to Development
252	<i>Acer saccharum</i>	Sugar Maple	15	5	Good	Good vigour.	Subject Property	1.2	Preserve
253	<i>Fraxinus americana</i>	White Ash	15	N/A	Dead	Standing snag.	Subject Property	N/A	Remove Due to Condition
254	<i>Thuja occidentalis</i>	Eastern White Cedar	30	5	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
255	<i>Thuja occidentalis</i>	Eastern White Cedar	5, 25 (25)	4	Fair-Good	Minor dieback and thinning; Mechanical damage to stem; Wooden boards nailed to stem; Wound wood present.	Subject Property	N/A	Remove Due to Development
256	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 5, 6 (22)	5	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
257	<i>Thuja occidentalis</i>	Eastern White Cedar	18, 4 (18)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
258	<i>Thuja occidentalis</i>	Eastern White Cedar	28, 15, 12, 5, 4 (35)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
259	<i>Thuja occidentalis</i>	Eastern White Cedar	21, 4 (21)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
260	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 3, 6 (16)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
261	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 6, 6 (28)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
262	<i>Thuja occidentalis</i>	Eastern White Cedar	28, 16 (32)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
263	<i>Thuja occidentalis</i>	Eastern White Cedar	26	4	Fair-Good	Minor dieback and thinning.	Subject Property	N/A	Remove Due to Development
264	<i>Thuja occidentalis</i>	Eastern White Cedar	27, 15, 8 (32)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	N/A	Remove Due to Development
265	<i>Thuja occidentalis</i>	Eastern White Cedar	24	5	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
266	<i>Acer saccharum</i>	Sugar Maple	17	5	Good	Good vigour; Uneven canopy.	Subject Property	1.2	Preserve
267	<i>Thuja occidentalis</i>	Eastern White Cedar	10, 14, 10, 8 (21)	6	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.8	Preserve
268	<i>Thuja occidentalis</i>	Eastern White Cedar	29	5	Fair-Good	Minor dieback and thinning.	Subject Property	1.8	Preserve
269	<i>Thuja occidentalis</i>	Eastern White Cedar	8, 12, 4 (15)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.2	Preserve
270	<i>Thuja occidentalis</i>	Eastern White Cedar	25, 5 (25)	4	Fair-Good	Minor dieback and thinning; Stems fork below breast height; Included bark.	Subject Property	1.8	Preserve
271	<i>Thuja occidentalis</i>	Eastern White Cedar	3, 12 (12)	4	Fair-Good	Minor dieback and thinning; Stems fork near ground; Included bark.	Subject Property	1.2	Preserve
272	<i>Thuja occidentalis</i>	Eastern White Cedar	15, 4 (16)	4	Fair-Good	Minor dieback and thinning; Stems fork below breast height; Included bark.	Subject Property	1.2	Preserve
273	<i>Thuja occidentalis</i>	Eastern White Cedar	23, 10 (25)	5	Fair-Good				

# Appendix D

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**City of Pickering Tree Preservation  
Protection Fencing Detail Drawing P -  
1100**





37 X 37 X 5 X 2400mm LONG T-BAR STAKES,  
 SPACED AT A MAXIMUM OF 1525mm ON CENTRE,  
 PLACED ON INSIDE OF FENCE.

STANDARD WOODEN LATHE SNOW FENCING ERECTED  
 AT A MINIMUM OF 1.0M BEYOND DRIPLINE OF  
 INDIVIDUAL TREE OR GROUPING. FASTEN TO T-BAR  
 POSTS AT THREE LOCATIONS WITH #10 GALVANIZED  
 WIRE.

All dimensions are in millimetres unless otherwise noted.

City of Pickering		Engineering Services Department	
DRAWN A. MOSTERT	<b>TREE PRESERVATION          PROTECTION FENCING DETAIL</b>	REVISION NO.	
APPROVED A. MOSTERT		DATE	
DATE AUGUST 2015		<b>P-1100</b>	

# Appendix E

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## City of Pickering Tree Preservation Notes P-1101

1. ALL EXISTING TREES WHICH ARE TO REMAIN SHALL BE FULLY PROTECTED WITH SNOW FENCING OR SIMILAR STRUCTURES ERECTED OUTSIDE THE DRIP LINE OF THE TREES, PRIOR TO COMMENCEMENT OF CONSTRUCTION. GROUPS OF TREES AND OTHER EXISTING PLANTINGS TO BE PROTECTED SHALL BE DONE IN A LIKE MANNER WITH SNOW FENCING OR OTHER SIMILAR STRUCTURES AROUND THE ENTIRE CLUMP(S). AREAS WITHIN THE PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT.
2. NO RIGGING CABLES SHALL BE WRAPPED AROUND OR INSTALLED IN TREES AND SURPLUS SOIL, EQUIPMENT, DEBRIS OR MATERIALS SHALL NOT BE PLACED OVER THE ROOT SYSTEMS OF THE TREES WITHIN THE PROTECTIVE FENCING. NO CONTAMINANTS ARE TO BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST.
3. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE TO TREES OR SHRUBS TO BE RETAINED.
4. WHERE LIMBS OR PORTIONS OF TREES ARE REMOVED TO ACCOMMODATE CONSTRUCTION WORK, THEY WILL BE CLEANLY CUT IN ACCORDANCE WITH ACCEPTABLE ARBORICULTURAL PRACTICES.
5. WHERE ROOT SYSTEMS OF PROTECTIVE TREES ARE EXPOSED DIRECTLY ADJACENT TO OR DAMAGED BY CONSTRUCTION WORK, THEY SHALL BE TRIMMED NEATLY AND THE AREA BACK-FILLED WITH APPROPRIATE MATERIAL IN A TIMELY MANNER TO PREVENT DRYING.
6. WHERE NECESSARY, THE TREES SHALL BE GIVEN AN OVERALL PRUNING TO RESTORE THE BALANCE BETWEEN ROOTS AND TOP GROWTH OR TO RESTORE THE APPEARANCE OF THE TREE.
7. TREES SCHEDULED FOR PRESERVATION THAT HAVE DIED OR BEEN DAMAGED BEYOND REPAIR SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE BY TREES OF A SIMILAR SIZE AND SPECIES OR SUCH SIZE AND SPECIES AS APPROVED BY THE LANDSCAPE ARCHITECT.
8. IF GRADES AROUND TREES TO BE PROTECTED ARE LIKELY TO CHANGE, THE CONTRACTOR SHALL BE REQUIRED TO TAKE SUCH PRECAUTIONS AS DRY WELLING AND ROOT FEEDING TO THE SATISFACTION OF THE CITY OF PICKERING.
9. SHOULD A CONFLICT OCCUR BETWEEN TREES SCHEDULED FOR PRESERVATION AND THE PROPOSED CONSTRUCTION, APPROVAL SHALL BE OBTAINED IN WRITING FROM THE CITY OF PICKERING PRIOR TO PROCEEDING WITH THE REMOVAL OF SUCH.
10. ANY TREES DESIGNATED FOR REMOVAL SHALL BE REMOVED IN ENTIRETY INCLUDING ALL STUMPS AND ROOTS AND DISPOSED OF OFF SITE. NO BURYING OF TREE BRANCHES AND STUMPS WILL BE PERMITTED.

City of Pickering		Engineering Services Department	
<small>DRAWN</small> A. MOSTERT	<b>TREE PROTECTION NOTES</b>	<small>REVISION NO.</small>	
<small>APPROVED</small> A. MOSTERT		<small>DATE</small>	
<small>DATE</small> AUGUST 2015		<b>P-1101</b>	