



GUIDING SOLUTIONS IN THE  
NATURAL ENVIRONMENT

# Arborist Report

## Tawny Ridge Estates — Phase 2

### Niagara-on-the-Lake, ON

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*Prepared For:*

**St. David's Riverview Estates**

*Prepared By:*

**Beacon Environmental Limited**

*Date:*      *Project:*

**October 2022      222339**

# Table of Contents

	page
1. Introduction .....	1
2. Methodology.....	1
3. Results .....	2
4. Impact Assessment and Recommendations.....	4
4.1 Trees Recommended for Removal .....	4
4.2 Tree Recommended for Preservation .....	5
5. Tree Preservation and Construction Specifications.....	5
6. Other Recommendations.....	6
6.1 Timing of Tree Removal .....	6
6.2 Tree Disposal .....	6
6.3 Tree Replacement .....	6
7. Summary.....	7
8. References.....	8

## Figures

Figure 1. Site Location.....	after page 2
------------------------------	--------------

## Tables

Table 1. Summary of Fruit Trees and Weed Trees .....	3
Table 2. Existing Tree Species and Quantity .....	4
Table 3. Minimum Tree Protection Zone .....	5

## Appendices

Appendix A. Limitation of Tree Assessment	
Appendix B. Tree Inventory Table	
Appendix C. Tree Inventory and Preservation Plan	

# 1. Introduction

Beacon Environmental Limited (Beacon) was retained by St. David's Riverview Estates to complete an Arborist Report in support of Phase 2 of the proposed Tawny Ridge Estates residential development located at 192 and 184 Tanbark Avenue and "0" Warner Road in the Town of Niagara-on-the-Lake, hereafter referred to as the subject property (**Figure 1**).

The purpose of this report is to a) provide an inventory and description of trees within and adjacent to the proposed development, and b) provide recommendations for tree preservation or removal based on tree health and condition and potential for integration within the proposed development based on consideration of the development design and associated grading and servicing requirements.

The Town of Niagara-on-the-Lake has a private tree by-law (No. 5139-19) under which the destruction of trees on private property are regulated; however, the by-law does not apply to activities described in subsection 135(12) of the *Municipal Act*, which includes:

*The injuring or destruction of trees imposed after December 31, 2002 as a condition to the approval of a site plan, a plan of subdivision or a consent under section 41, 51 or 53, respectively, of the Planning Act or as a requirement of a site plan agreement or subdivision agreement entered into under those sections.*

Based on this exemption, it is Beacon's understanding that the proposed development is not subject to the by-law. However, this by-law does provide guidance for conducting tree inventories which Beacon has relied upon for this assignment. In addition, this Arborist Report has been prepared in accordance with accepted arboricultural guidelines, standards and practices consistent with the Arborists' Certification Study Guide (Lilly 2001).

# 2. Methodology

Trees occurring within and adjacent to the subject property were inventoried and assessed on September 22 and 23, 2022, by a Beacon arborist certified by the International Society of Arboriculture (ISA).

Individual trees with stem diameters of 12.5 cm or greater measured at breast height approximately 1.4 metres (m) from the ground surface (DBH) were marked with numbered metal forestry tags and assessed. Trees located on adjacent private property were not tagged.

Information collected from individual trees included: species, trunk diameter (DBH), crown radius and condition. The diameters of multi-stemmed trees were determined by taking the square root of the sum of squares of each stem's DBH ("Aggregate DBH"). The condition of each tree was assessed for overall health and structural integrity based on indicators such as live buds and leaves, dead wood, decay, structural defects, and presence of disease. Each tree was assigned a condition rating of good, fair, poor, or dead, based on the following criteria:

- **Poor** – Severe dieback, significant lean, missing leader, major defects, significant decay and/or disease presence. Including hazardous trees and trees in terminal decline;
- **Fair** – Moderate dieback and/or lean, limb defects, multiple stems, moderate foliage damage from stress;
- **Good** – Healthy vigorous growth, minor visible defects or damage; or
- **Dead** – No live crown (epicormic growth may be present).

“Fruit Trees” and “Weed Trees”, as defined under the Town’s Private Tree By-law, were not tagged or individually assessed, but were tallied and mapped as groupings.

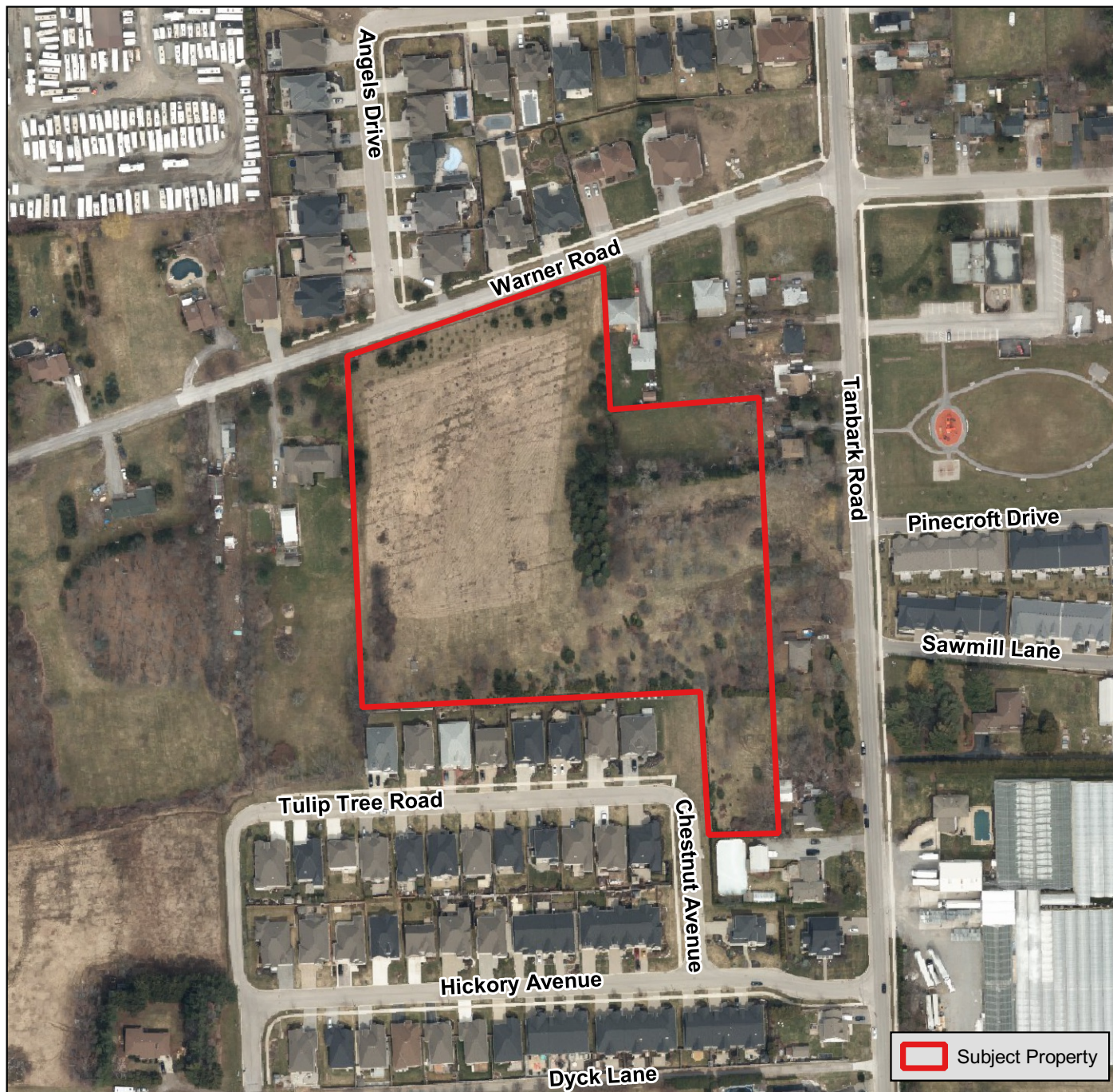
The locations of individual trees were determined using a survey-grade Arrow Gold RTK GNSS Receiver and incorporated into Geographical Information Systems (GIS) and AutoCAD platforms for mapping.



Limitations of the tree assessment are detailed in **Appendix A**.

### 3. Results

A total of 206 individual trees were inventoried and assessed within and adjacent to the subject property. An additional 143 “Fruit Trees” or “Weed Trees” >12.5 cm DBH were tallied as summarized in **Table 1**. The locations of individual trees and groupings are illustrated in **Drawings TP1-TP3 (Appendix C)**. Tree numbers on **Drawings TP-1 to TP-4** indicate the tag numbers that were applied to the trees; trees on adjacent private properties labeled with the prefix “N” were not tagged.





Site Location		Figure 1
Tawny Ridge Estates TIPP		
		Project: Last Revised: September 2022
Client:		Prepared by: BD Checked by: JS
	1:2,700	Inset Map: 1:50,000
Contains information licensed under the Open Government License—Ontario Orthoimagery Baselayer: 2018 (FBS)		

**Table 1. Summary of Fruit Trees and Weed Trees**

Grouping	Species (Scientific Name)	Species (Common Name)	Approximate diameter(s) (cm)	Qty
A1	<i>Acer negundo</i>	Manitoba Maple	25	3
	<i>Malus pumila</i>	Apple	15 – 20	11
	<i>Prunus persica</i>	Peach	15	4
A2	<i>Acer negundo</i>	Manitoba Maple	15 – 30	13
	<i>Acer platanoides</i>	Norway Maple	15 – 30	2
	<i>Malus pumila</i>	Apple	15 – 30	23
A3	<i>Acer negundo</i>	Manitoba Maple	15 – 30	1
	<i>Acer platanoides</i>	Norway Maple	15 – 30	1 (tag 57 from phase 1 inventory)
	<i>Malus pumila</i>	Apple	15 – 30	12 (includes tags 52, 60, and 61 from phase 1 inventory)
A4	<i>Acer platanoides</i>	Norway Maple	15 – 30	4
	<i>Malus pumila</i>	Apple	15 – 30	4
	<i>Rhamnus cathartica</i>	European Buckthorn	20	1
A5	<i>Acer negundo</i>	Manitoba Maple	15 – 30	4
	<i>Malus pumila</i>	Apple	15 – 30	12
	<i>Morus alba</i>	White Mulberry	20	2
	<i>Prunus avium</i>	Sweet Cherry	15 – 30	3
	<i>Pyrus communis</i>	Pear	15 – 30	4
	<i>Rhamnus cathartica</i>	European Buckthorn	20	4
A6	<i>Acer negundo</i>	Manitoba Maple	15 – 30	1
	<i>Acer platanoides</i>	Norway Maple	12 – 36	12
	<i>Malus pumila</i>	Apple	15 – 30	2
	<i>Prunus avium</i>	Sweet Cherry	15 – 30	3
	<i>Rhamnus cathartica</i>	European Buckthorn	20	1
A7	<i>Morus alba</i>	White Mulberry	12	2
	<i>Prunus avium</i>	Sweet Cherry	30	1
	<i>Populus deltoides</i>	Eastern Cottonwood	42	1
A8	<i>Pyrus communis</i>	Pear	15	9
	<i>Rhamnus cathartica</i>	European Buckthorn	20	2
	<i>Ulmus pumila</i>	Siberian Elm	20	1

Of the 206 individually inventoried trees, three (3) are located on the adjacent property at 687 Warner Road and one tree (230) is located on the property line 717 Warner Road. A detailed summary of the trees is provided the tree inventory tables in **Appendix B**. A general summary of tree species and abundance is presented in **Table 2**.



**Table 2. Existing Tree Species and Quantity**

Scientific Name	Common Name	Quantity
<i>Pinus nigra</i>	Austrian Pine	41
<i>Thuja occidentalis</i>	Eastern White Cedar	38
<i>Picea abies</i>	Norway Spruce	27
<i>Juglans nigra</i>	Black Walnut	17
<i>Acer saccharinum</i>	Silver Maple	14
<i>Picea pungens</i>	Blue Spruce	12
<i>Picea glauca</i>	White Spruce	11
<i>Pinus strobus</i>	Eastern White Pine	10
<i>Pinus sylvestris</i>	Scots Pine	6
<i>Gleditsia triacanthos</i>	Honey Locust	6
<i>Carya ovata</i>	Shagbark Hickory	5
<i>Fraxinus americana</i>	White Ash	5
<i>Juglans regia</i>	English Walnut	2
<i>Quercus rubra</i>	Northern Red Oak	2
<i>Quercus palustris</i>	Swamp Pin Oak	1
<i>Tilia americana</i>	Basswood	1
<i>Acer platanoides</i>	Norway Maple	1
<i>Aesculus glabra</i>	Ohio Buckeye	1
<i>Acer saccharum</i>	Sugar Maple	1
<i>Betula papyrifera</i>	Paper Birch	1
<i>Abies balsamifera</i>	Balsam Fir	1
<i>Syringa reticulata</i>	Japanese Tree Lilac	1
<i>Acer negundo</i>	Manitoba Maple	1
<i>Catalpa speciosa</i>	Northern Catalpa	1

No rare, special concern, threatened or endangered, including Butternut (*Juglans cinerea*), were encountered on or adjacent to the study area during the tree inventory.

## 4. Impact Assessment and Recommendations

A residential subdivision is proposed for the subject property. At this time, Beacon has not been provided with detailed grading plan or servicing plans. The following sections provide recommendations for tree removal and preservation based on the draft plan of subdivision. The recommendations should be reviewed and updated when more detailed plans become available.

### 4.1 Trees Recommended for Removal

Based on the draft plan of subdivision, 346 trees  $\geq 12.5$  cm DBH are identified for removal as they are located within or immediately adjacent to the proposed development or are in poor condition.

Of the 346 trees proposed for removal, 88 are Fruit Trees (in areas A1 through A8), 55 are Weed Trees (tree 241, 242, and in areas A1 through A8). Two (2) trees are proposed for removal due to poor condition (e.g., declining White Ash due to Emerald Ash Borer [*Agrilus planipennis*] infestation).

Tree 230 is a mature Red Oak (*Quercus rubra*) located on or in very close proximity to the property line. If any part of the trunk crosses the property line, then the tree is legally the property of both landowners. Removal of boundary trees will require written permission from the adjacent landowners. The determination of ownership is the responsibility of the landowners(s).

## 4.2 Tree Recommended for Preservation

The three trees located on the adjacent property at 687 Warner Road (N1, N2, and N3) are proposed for preservation. These trees shall be pruned over the Subject Property, as required, in accordance with Arboricultural Best Management Practices, and a Tree Protection Zone shall be established.

## 5. Tree Preservation and Construction Specifications

There is potential for damage to occur to trees during construction if proper precautions and protection measures are not implemented in advance. Trees can be negatively impacted through grade changes, soil compaction, root cutting, and mechanical damage to trunks and branches resulting from the operation of construction equipment.

The following recommendations are provided to mitigate potential construction-related impacts.

Trees to be retained are to be protected through the establishment of a minimum tree protection zone (TPZ) as per **Table 1** and illustrated in **Figure TP-1**.

**Table 3. Minimum Tree Protection Zone**

Trunk Diameter (DBH)	Minimum Protection Distances <sup>1</sup>
10 – 30 cm	2.4 m
31 – 50 cm	3.0 m
51 – 60 cm	3.6 m
61 – 70 cm	4.2 m
71 – 80 cm	4.8 m
81 – 90 cm	5.4 m
91 – 100 cm	6.0 m

<sup>1</sup>to be measured from the outside edge of the base of the tree

Within the identified TPZ's there should be:

- No construction;
- No altering of grade by adding fill, excavating, trenching, scraping, or dumping;
- No storage of construction materials, equipment, soil, or waste/debris;



- No disposal of any liquids e.g. gas, oil, paint;
- No movement of vehicles, equipment, or pedestrians; and
- No parking of vehicles or machinery.

It is recommended that these trees be protected by installing tree protection hoarding at the limit of the development as illustrated in **Figure TP-1**. Hoarding shall consist of 1.2 m high plastic mesh affixed to paige wire fencing supported by metal t-bar posts spaced a minimum of 2.4 m apart, with a top 2x4 wood rail for additional support as illustrated in **Figure TP-1**. Erosion and sediment control fencing may double as tree protection fencing.

## 6. Other Recommendations

### 6.1 Timing of Tree Removal

The federal *Migratory Bird Convention Act* (1994) protects 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. It is recommended that during the peak period of bird nesting, no vegetation clearing or disturbance to nesting bird habitat 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 absence of any nesting birds. If bird nesting is found, then vegetation clearing (in an area around the nest) must be postponed until nest activity has concluded. Likelihood of nesting birds being present in the 'shoulder' seasons also depends on the habitat type. From September 1 through to March 31, of any year, vegetation clearing can occur without nest surveys, but the law for nest protection still holds (i.e., if a nest is known it should be protected).

### 6.2 Tree Disposal

Trees shall be disposed of in accordance with Canadian Food Inspection Agency (CFIA) regulations, as amended from time to time. As such, disposal of Ash (*Fraxinus*) trees — all of which are assumed to be infested with the pest Emerald Ash Borer (*Agrilus planipennis*) — shall be in accordance with Town of Niagara-on-the-Lake and/or CFIA requirements.

Woody material may be chipped and used as mulch for on-site tree plantings.

### 6.3 Tree Replacement

Requirements for tree replacement should be determined in consultation with Town.

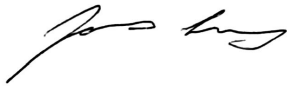
## 7. Summary

Beacon was retained by St. David's Riverview Estates to complete an Arborist Report in support of a proposed Tawny Ridge Estates Phase 2 development, in St. David's, Niagara-on-the-Lake.

A total of 349 trees  $\geq 12.5$  cm DBH were inventoried or tallied within or adjacent to the draft plan, of which 145 are "Fruit Trees" or "Weed Trees" (as defined by the Town). Of the inventoried trees, 346 are identified for removal due to poor condition or to accommodate the proposed works. Three trees located on adjacent private property have been identified for preservation and should be protected by implementing standard arboricultural best management practices recommended in this report.

The recommendations of this report are preliminary and should be reviewed and updated as necessary when detailed designs and grading plans are available.

Reviewed by:  
**Beacon Environmental**



James Seery, B.Sc.  
Terrestrial Ecologist,  
ISA Certified Arborist (ON-2350A)

Reviewed by:  
**Beacon Environmental**



Dan Westerhof, B.Sc., M.E.S.  
Senior Terrestrial Ecologist,  
ISA Certified Arborist (ON-1536A)

## 8. References

Town of Niagara-on-the-Lake. 2019.

A By-law to Regulate the Destruction of Injuring of Trees on Private Property in the Urban Areas of the Municipality. By-law number 5139-19.

Government of Canada. 1994.

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

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

### Evaluation of Trees ≥12.5 cm DBH (not including Weed Trees or Fruit Trees)

Tree Tag ID	Species (Common Name)	Species (Scientific Name)	DBH [aggregate] (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment(s)	Tree Protection Zone Radius (m)	Recommendation
210	Norway Spruce	<i>Picea abies</i>	28	6	Good	Good form and vigour	—	Remove
211	Sugar Maple	<i>Acer saccharum</i>	Approx. 28	6	Fair-Good	Good vigour. Some unions with poor structure	—	Remove
212	Norway Spruce	<i>Picea abies</i>	42	7	Good	Good form and vigour	—	Remove
213	Austrian Pine	<i>Pinus nigra</i>	13	2	Good	Good form and vigour	—	Remove
214	Norway Spruce	<i>Picea abies</i>	33	8	Good	Good form and vigour	—	Remove
215	Norway Spruce	<i>Picea abies</i>	33	8	Good	Good form and vigour	—	Remove
216	Norway Spruce	<i>Picea abies</i>	34	8	Good	Good form and vigour	—	Remove
217	Austrian Pine	<i>Pinus nigra</i>	12.6	4	Good	Good form and vigour	—	Remove
218	Austrian Pine	<i>Pinus nigra</i>	14	4	Good	Good form and vigour	—	Remove
219	Austrian Pine	<i>Pinus nigra</i>	13	3	Good	Good form and vigour	—	Remove
220	Austrian Pine	<i>Pinus nigra</i>	12.5	4	Good	Good form and vigour	—	Remove
221	Norway Spruce	<i>Picea abies</i>	21	6	Good	Good form and vigour	—	Remove
222	Norway Spruce	<i>Picea abies</i>	32	8	Good	Good form and vigour	—	Remove
223	Norway Spruce	<i>Picea abies</i>	31	8	Good	Good form and vigour	—	Remove
224	Austrian Pine	<i>Pinus nigra</i>	13.5	4	Good	Good form and vigour	—	Remove
225	Norway Spruce	<i>Picea abies</i>	34	8	Good	Good form and vigour	—	Remove
226	Austrian Pine	<i>Pinus nigra</i>	37	8	Good	Good form and vigour	—	Remove
227	Norway Spruce	<i>Picea abies</i>	42	8	Good	Good form and vigour	—	Remove
228	Blue Spruce	<i>Picea pungens</i>	18	4	Fair	Good form. Distal leaves yellowing throughout crown; approx 50%	—	Remove
229	Austrian Pine	<i>Pinus nigra</i>	43	8	Good	Good form and vigour	—	Remove
230	Northern Red Oak	<i>Quercus rubra</i>	Approx. 60	10	Good	Good form and vigour. Possible boundary tree	—	Remove
231	White Ash	<i>Fraxinus americana</i>	28	6	Poor	Most of crown dead. Only lower crown and epicormics remain living at time of survey	—	Remove
232	Blue Spruce	<i>Picea pungens</i>	18	4	Good	Good form and vigour	—	Remove
233	Norway Spruce	<i>Picea abies</i>	24	6	Good	Good form and vigour	—	Remove
234	White Spruce	<i>Picea glauca</i>	30	6	Good	Good form and vigour	—	Remove
235	Blue Spruce	<i>Picea pungens</i>	30	6	Good	Good form and vigour	—	Remove
236	White Spruce	<i>Picea glauca</i>	16	2	Fair	Entwined at base and growing into adjacent tree	—	Remove
237	Northern Red Oak	<i>Quercus rubra</i>	18	4	Fair	Entwined at base and growing into adjacent tree	—	Remove
238	Scots Pine	<i>Pinus sylvestris</i>	36	8	Fair-Good	Good vigour, fair form	—	Remove
239	Austrian Pine	<i>Pinus nigra</i>	32	6	Poor-Fair	Lower canopy dead from diplodia	—	Remove
240	Eastern White Cedar	<i>Thuja occidentalis</i>	16, 16, 15 [27.1]	6	Fair	Good vigour. Forks at base	—	Remove
241	Manitoba Maple	<i>Acer negundo</i>	19	10	Fair	Good vigour. Strong lean	—	Remove
242	Norway Maple	<i>Acer platanoides</i>	21	6	Fair-Good	—	—	Remove
243	White Spruce	<i>Picea glauca</i>	26	6	Good	Good form and vigour	—	Remove
244	Austrian Pine	<i>Pinus nigra</i>	32	4	Poor-Fair	Thin crown, diplodia	—	Remove
245	Austrian Pine	<i>Pinus nigra</i>	40	7	Fair	Good vigour. Codominant leaders in upper crown	—	Remove
246	Austrian Pine	<i>Pinus nigra</i>	38	8	Fair	Thinning crown and codominant leaders	—	Remove
247	Austrian Pine	<i>Pinus nigra</i>	35	8	Fair-Good	—	—	Remove
248	Austrian Pine	<i>Pinus nigra</i>	52 @ 0.1 m	8	Fair-Good	—	—	Remove
249	Norway Spruce	<i>Picea abies</i>	36	6	Good	—	—	Remove
250	Norway Spruce	<i>Picea abies</i>	32	6	Good	—	—	Remove
251	Norway Spruce	<i>Picea abies</i>	44	8	Good	—	—	Remove

Tree Tag ID	Species (Common Name)	Species (Scientific Name)	DBH [aggregate] (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment(s)	Tree Protection Zone Radius (m)	Recommendation
252	Austrian Pine	<i>Pinus nigra</i>	27	8	Fair	Some Diplodia	—	Remove
253	Austrian Pine	<i>Pinus nigra</i>	31	4	Fair	Some Diplodia and moderately weak unions	—	Remove
254	Scots Pine	<i>Pinus sylvestris</i>	34	6	Fair-Good	Some thinning	—	Remove
255	Blue Spruce	<i>Picea pungens</i>	44 @ 0.3 m	8	Fair	Low fork	—	Remove
256	Norway Spruce	<i>Picea abies</i>	16	4	Good	—	—	Remove
257	Norway Spruce	<i>Picea abies</i>	44	8	Good	—	—	Remove
258	Scots Pine	<i>Pinus sylvestris</i>	43	6	Fair	Low fork	—	Remove
259	Norway Spruce	<i>Picea abies</i>	14	4	Good	—	—	Remove
260	Scots Pine	<i>Pinus sylvestris</i>	32	6	Fair	Crown thinning and codominant leaders	—	Remove
261	Scots Pine	<i>Pinus sylvestris</i>	30	4	Fair	Crown thinning	—	Remove
262	Austrian Pine	<i>Pinus nigra</i>	18	2	Good	—	—	Remove
263	Eastern White Pine	<i>Pinus strobus</i>	39	6	Good	—	—	Remove
264	Austrian Pine	<i>Pinus nigra</i>	28	6	Good	—	—	Remove
265	White Spruce	<i>Picea glauca</i>	29	6	Good	—	—	Remove
266	Austrian Pine	<i>Pinus nigra</i>	30	6	Good	—	—	Remove
267	Norway Spruce	<i>Picea abies</i>	31	6	Good	—	—	Remove
269	Austrian Pine	<i>Pinus nigra</i>	35	6	Fair	Some codominant leaders	—	Remove
270	Blue Spruce	<i>Picea pungens</i>	16	3	Good	—	—	Remove
271	Austrian Pine	<i>Pinus nigra</i>	28	8	Fair	Codominant leaders	—	Remove
272	Austrian Pine	<i>Pinus nigra</i>	39	8	Good	—	—	Remove
273	White Spruce	<i>Picea glauca</i>	30	4	Good	—	—	Remove
274	White Spruce	<i>Picea glauca</i>	28	6	Good	—	—	Remove
275	Austrian Pine	<i>Pinus nigra</i>	42	10	Fair	Open crown with many moderately weak limbs	—	Remove
276	White Spruce	<i>Picea glauca</i>	23	6	Good	—	—	Remove
277	Norway Spruce	<i>Picea abies</i>	27	6	Good	—	—	Remove
278	Blue Spruce	<i>Picea pungens</i>	30	6	Good	—	—	Remove
279	Norway Spruce	<i>Picea abies</i>	22	4	Fair-Good	Minor weak union	—	Remove
280	Black Walnut	<i>Juglans nigra</i>	17	4	Good	—	—	Remove
281	Blue Spruce	<i>Picea pungens</i>	28	6	Good	—	—	Remove
282	Blue Spruce	<i>Picea pungens</i>	28	6	Good	—	—	Remove
283	Swamp Pin Oak	<i>Quercus palustris</i>	61	14	Fair-Good	Some nodes with many branches	—	Remove
284	Black Walnut	<i>Juglans nigra</i>	13	4	Fair-Good	Some lean in upper crown	—	Remove
285	Eastern White Cedar	<i>Thuja occidentalis</i>	14, 13.5, 8 [21]	4	Good	—	—	Remove
286	Eastern White Cedar	<i>Thuja occidentalis</i>	15, 10, 8 [19.7]	4	Good	—	—	Remove
287	Eastern White Cedar	<i>Thuja occidentalis</i>	14.5, 11, 9.5 @ 1 m [20.5]	4	Good	—	—	Remove
288	Eastern White Cedar	<i>Thuja occidentalis</i>	19, 15, 9 @ 1 m [25.8]	4	Good	—	—	Remove
289	Eastern White Cedar	<i>Thuja occidentalis</i>	15, 11 [18.6]	4	Good	—	—	Remove
290	Black Walnut	<i>Juglans nigra</i>	22	6	Good	—	—	Remove
291	Black Walnut	<i>Juglans nigra</i>	23	8	Good	—	—	Remove
292	Eastern White Cedar	<i>Thuja occidentalis</i>	19, 12, 10 @ 1.2 m [24.6]	6	Good	—	—	Remove
293	Eastern White Cedar	<i>Thuja occidentalis</i>	13, 13, 11, 11 [24.1]	6	Good	—	—	Remove
294	Eastern White Cedar	<i>Thuja occidentalis</i>	14, 13, 13, 12 [26]	6	Good	—	—	Remove
295	Silver Maple	<i>Acer saccharinum</i>	42	8	Fair	Some dieback in lower crown	—	Remove
296	Austrian Pine	<i>Pinus nigra</i>	28	6	Good	—	—	Remove
297	Austrian Pine	<i>Pinus nigra</i>	30	5	Good	—	—	Remove
298	Austrian Pine	<i>Pinus nigra</i>	19	4	Good	—	—	Remove
299	Silver Maple	<i>Acer saccharinum</i>	80 @ 0.1 m	10	Fair	Included bark in major union	—	Remove

Tree Tag ID	Species (Common Name)	Species (Scientific Name)	DBH [aggregate] (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment(s)	Tree Protection Zone Radius (m)	Recommendation
300	Northern Catalpa	<i>Catalpa speciosa</i>	15 @ 0.8 m	6	Fair-Good	Codominant leaders	—	Remove
701	Silver Maple	<i>Acer saccharinum</i>	54 @ 0.7 m	12	Good	Phase 1 inventory tag ID 43	—	Remove
702	English Walnut	<i>Juglans regia</i>	24	12	Poor-Fair	Heartwood rot at base. Strong lean	—	Remove
703	English Walnut	<i>Juglans regia</i>	38 @ 1.2 m	12	Good	—	—	Remove
704	Paper Birch	<i>Betula papyrifera</i>	18.5	6	Fair-Good	Some lean in canopy	—	Remove
705	Silver Maple	<i>Acer saccharinum</i>	62.5	16	Fair	Clothes line girdling. Some weak unions	—	Remove
706	Eastern White Cedar	<i>Thuja occidentalis</i>	27	6	Good	—	—	Remove
707	Eastern White Cedar	<i>Thuja occidentalis</i>	18, 16, 11 [26.5]	6	Fair-Good	—	—	Remove
708	Eastern White Cedar	<i>Thuja occidentalis</i>	12.8, 11, 11, 11 [23]	6	Fair-Good	—	—	Remove
709	Eastern White Cedar	<i>Thuja occidentalis</i>	14.5, 9, 7 [18.4]	6	Fair-Good	—	—	Remove
710	Eastern White Cedar	<i>Thuja occidentalis</i>	13, 12, 12, 10 [23.6]	6	Fair-Good	—	—	Remove
711	Eastern White Cedar	<i>Thuja occidentalis</i>	12.5, 11 [16.7]	6	Fair-Good	—	—	Remove
712	Eastern White Cedar	<i>Thuja occidentalis</i>	19, 15, 14 [28]	6	Fair-Good	—	—	Remove
713	Eastern White Cedar	<i>Thuja occidentalis</i>	12.5, 12, 12, 11 [23.8]	6	Fair-Good	—	—	Remove
714	Black Walnut	<i>Juglans nigra</i>	19	8	Fair-Good	—	—	Remove
715	White Spruce	<i>Picea glauca</i>	27	6	Good	—	—	Remove
716	White Spruce	<i>Picea glauca</i>	14	4	Good	—	—	Remove
717	White Spruce	<i>Picea glauca</i>	20	4	Good	—	—	Remove
718	White Spruce	<i>Picea glauca</i>	16	6	Good	—	—	Remove
719	Eastern White Cedar	<i>Thuja occidentalis</i>	16	6	Good	—	—	Remove
720	Eastern White Cedar	<i>Thuja occidentalis</i>	15	6	Good	—	—	Remove
721	Eastern White Cedar	<i>Thuja occidentalis</i>	21.5	6	Good	—	—	Remove
722	Eastern White Cedar	<i>Thuja occidentalis</i>	13.5	6	Good	—	—	Remove
723	Eastern White Cedar	<i>Thuja occidentalis</i>	14	6	Good	—	—	Remove
724	Eastern White Cedar	<i>Thuja occidentalis</i>	17.5	6	Good	—	—	Remove
725	Eastern White Cedar	<i>Thuja occidentalis</i>	18, 14.5 [23.1]	6	Good	—	—	Remove
726	Eastern White Cedar	<i>Thuja occidentalis</i>	18	6	Good	—	—	Remove
727	Eastern White Cedar	<i>Thuja occidentalis</i>	15.5	6	Good	—	—	Remove
728	Eastern White Cedar	<i>Thuja occidentalis</i>	15.5	6	Good	—	—	Remove
729	Eastern White Cedar	<i>Thuja occidentalis</i>	21.5	6	Good	—	—	Remove
730	Eastern White Cedar	<i>Thuja occidentalis</i>	19	6	Good	—	—	Remove
731	Eastern White Cedar	<i>Thuja occidentalis</i>	18	6	Good	—	—	Remove
732	Eastern White Cedar	<i>Thuja occidentalis</i>	15	6	Good	—	—	Remove
733	Eastern White Cedar	<i>Thuja occidentalis</i>	23	6	Good	—	—	Remove
734	Eastern White Cedar	<i>Thuja occidentalis</i>	17.5	6	Good	—	—	Remove
735	Eastern White Cedar	<i>Thuja occidentalis</i>	17	6	Good	—	—	Remove
736	Eastern White Cedar	<i>Thuja occidentalis</i>	26	6	Good	—	—	Remove
737	Black Walnut	<i>Juglans nigra</i>	14.5	6	Good	—	—	Remove
738	Black Walnut	<i>Juglans nigra</i>	18.5	6	Good	—	—	Remove
739	Silver Maple	<i>Acer saccharinum</i>	58 @ 0.5 m	10	Good	—	—	Remove
740	Silver Maple	<i>Acer saccharinum</i>	29, 26, 14, 14 [43.7]	10	Fair	Fork at base	—	Remove
741	Silver Maple	<i>Acer saccharinum</i>	30, 27, 18, 17 [47.3]	10	Fair	Many limbs at base	—	Remove
742	Silver Maple	<i>Acer saccharinum</i>	29	8	Fair	Dieback at leader. Moderate lean	—	Remove
743	Black Walnut	<i>Juglans nigra</i>	28	6	Good	—	—	Remove
744	Silver Maple	<i>Acer saccharinum</i>	28	6	Good	—	—	Remove

Tree Tag ID	Species (Common Name)	Species (Scientific Name)	DBH [aggregate] (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment(s)	Tree Protection Zone Radius (m)	Recommendation
745	White Ash	<i>Fraxinus americana</i>	20, 19.8, 14.8, 11 [33.6]	9	Poor-Fair	EAB damage throughout trunk but callousing. Upper 15-20% died back, incl leader. Approx 50 % keys filled	—	Remove
746	Black Walnut	<i>Juglans nigra</i>	26	8	Good	—	—	Remove
747	Black Walnut	<i>Juglans nigra</i>	15	6	Fair	Early senescence	—	Remove
748	Black Walnut	<i>Juglans nigra</i>	28	8	Fair-Good	Some codominance	—	Remove
749	Black Walnut	<i>Juglans nigra</i>	19	8	Fair	Early senescence	—	Remove
750	Silver Maple	<i>Acer saccharinum</i>	16	14	Fair	Strong lean	—	Remove
751	Eastern White Pine	<i>Pinus strobus</i>	27	8	Good	—	—	Remove
752	Silver Maple	<i>Acer saccharinum</i>	Approx 58	16	Good	—	—	Remove
753	Honey Locust	<i>Gleditsia triacanthos</i>	37	11	Good	—	—	Remove
754	Honey Locust	<i>Gleditsia triacanthos</i>	34.5	8	Good	—	—	Remove
755	White Ash	<i>Fraxinus americana</i>	29.5	8	Poor	No fruit set. North 50% of crown dead	—	Remove
756	Honey Locust	<i>Gleditsia triacanthos</i>	28.5	10	Good	—	—	Remove
757	Austrian Pine	<i>Pinus nigra</i>	12.5 @ 1.3 m	2	Good	—	—	Remove
758	Austrian Pine	<i>Pinus nigra</i>	21	4	Good	—	—	Remove
759	Austrian Pine	<i>Pinus nigra</i>	25	4	Good	—	—	Remove
760	Austrian Pine	<i>Pinus nigra</i>	20	4	Fair-Good	Some dieback in lower crown	—	Remove
761	Blue Spruce	<i>Picea pungens</i>	14	2	Good	—	—	Remove
762	Blue Spruce	<i>Picea pungens</i>	13	2	Good	—	—	Remove
763	Silver Maple	<i>Acer saccharinum</i>	89.5	30	Fair-Good	Some dieback in crown (10%)	—	Remove
764	Scots Pine	<i>Pinus sylvestris</i>	22	4	Good	—	—	Remove
765	Austrian Pine	<i>Pinus nigra</i>	24	6	Poor-Fair	Weak major union	—	Remove
766	Eastern White Pine	<i>Pinus strobus</i>	13	4	Good	—	—	Remove
767	Austrian Pine	<i>Pinus nigra</i>	20	5	Fair-Good	—	—	Remove
768	Austrian Pine	<i>Pinus nigra</i>	22	6	Fair-Good	—	—	Remove
769	Austrian Pine	<i>Pinus nigra</i>	32	8	Fair-Good	—	—	Remove
770	Austrian Pine	<i>Pinus nigra</i>	20	6	Fair-Good	—	—	Remove
771	Black Walnut	<i>Juglans nigra</i>	21	10	Fair	Moderate lean	—	Remove
772	Balsam Fir	<i>Abies balsamea</i>	14, 12 [18.4]	3	Fair	Low fork	—	Remove
772	Japanese Tree Lilac	<i>Syringa reticulata</i>	13 @ 1 m	3	Fair-Good	—	—	Remove
774	Austrian Pine	<i>Pinus nigra</i>	35	10	Fair-Good	—	—	Remove
775	Eastern White Cedar	<i>Thuja occidentalis</i>	14	4	Good	—	—	Remove
776	Eastern White Cedar	<i>Thuja occidentalis</i>	13	4	Good	—	—	Remove
777	Austrian Pine	<i>Pinus nigra</i>	18	4	Good	—	—	Remove
778	Eastern White Cedar	<i>Thuja occidentalis</i>	15	4	Good	—	—	Remove
779	Eastern White Pine	<i>Pinus strobus</i>	16.5	4	Good	—	—	Remove
780	Austrian Pine	<i>Pinus nigra</i>	31	6	Good	—	—	Remove
781	Eastern White Pine	<i>Pinus strobus</i>	19	8	Good	—	—	Remove
782	Eastern White Pine	<i>Pinus strobus</i>	16, 9, 8 [20]	6	Good	—	—	Remove
783	Eastern White Pine	<i>Pinus strobus</i>	20	6	Good	—	—	Remove
784	Eastern White Pine	<i>Pinus strobus</i>	21	10	Good	—	—	Remove
785	Norway Spruce	<i>Picea abies</i>	49	8	Good	—	—	Remove
786	Ohio Buckeye	<i>Aesculus glabra</i>	13 @ 0.8 m	6	Good	—	—	Remove
787	Blue Spruce	<i>Picea pungens</i>	15	4	Good	—	—	Remove
788	Eastern White Pine	<i>Pinus strobus</i>	15	6	Good	—	—	Remove
789	Norway Spruce	<i>Picea abies</i>	35	8	Good	—	—	Remove
790	Austrian Pine	<i>Pinus nigra</i>	22	6	Fair-Good	—	—	Remove
791	Blue Spruce	<i>Picea pungens</i>	14	4	Good	—	—	Remove
792	Silver Maple	<i>Acer saccharinum</i>	65	12	Fair-Good	—	—	Remove
793	Honey Locust	<i>Gleditsia triacanthos</i>	32	8	Good	—	—	Remove
794	White Ash	<i>Fraxinus americana</i>	26	8	Fair	No dieback. No fruit. EAB wounds	—	Remove



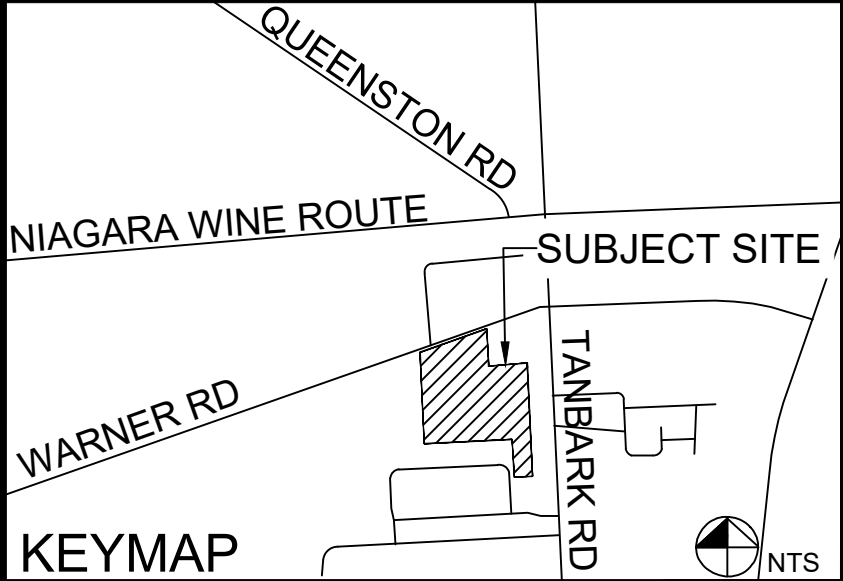
Tree Tag ID	Species (Common Name)	Species (Scientific Name)	DBH [aggregate] (cm)	Crown Diameter (m)	Condition <sup>1</sup>	Comment(s)	Tree Protection Zone Radius (m)	Recommendation
795	Basswood	<i>Tilia americana</i>	14	4	Fair	Shoots at base	—	Remove
796	Honey Locust	<i>Gleditsia triacanthos</i>	29	8	Good	—	—	Remove
797	Norway Spruce	<i>Picea abies</i>	31.5	8	Good	—	—	Remove
798	Black Walnut	<i>Juglans nigra</i>	18	6	Good	—	—	Remove
799	Black Walnut	<i>Juglans nigra</i>	22	6	Good	—	—	Remove
800	Black Walnut	<i>Juglans nigra</i>	14	6	Good	—	—	Remove
801	Honey Locust	<i>Gleditsia triacanthos</i>	24	8	Fair-Good	—	—	Remove
802	Black Walnut	<i>Juglans nigra</i>	31	8	Good	—	—	Remove
803	White Ash	<i>Fraxinus americana</i>	15	6	Poor-Fair	Early senescence in upper crown	—	Remove
804	Shagbark Hickory	<i>Carya ovata</i>	25	12	Fair-Good	Based on fence location, not a boundary tree	—	Remove
805	Shagbark Hickory	<i>Carya ovata</i>	30	10	Good	—	—	Remove
806	Shagbark Hickory	<i>Carya ovata</i>	28	10	Good	—	—	Remove
807	Shagbark Hickory	<i>Carya ovata</i>	26	10	Good	—	—	Remove
808	Shagbark Hickory	<i>Carya ovata</i>	31	10	Good	—	—	Remove
809	Silver Maple	<i>Acer saccharinum</i>	41 @ 0.2 m	8	Fair	Low fork	—	Remove
810	Norway Spruce	<i>Picea abies</i>	28	8	Good	—	—	Remove
811	Norway Spruce	<i>Picea abies</i>	22	8	Good	—	—	Remove
812	Norway Spruce	<i>Picea abies</i>	27, 20, 13 [36]	8	Fair	Low forks	—	Remove
813	Norway Spruce	<i>Picea abies</i>	18	5	Good	—	—	Remove
N1	Austrian Pine	<i>Pinus nigra</i>	Approx 30	6	Fair	Codominant leaders in upper crown	2.4	Preserve
N2	Austrian Pine	<i>Pinus nigra</i>	Approx 30	6	Good	—	2.4	Preserve
N3	Eastern White Pine	<i>Pinus strobus</i>	18	8	Fair	Trunk edge almost at fence. Crown overhanging	1.8	Preserve

# **Appendix C**

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## **Tree Inventory and Preservation Plan**





**LEGEND**

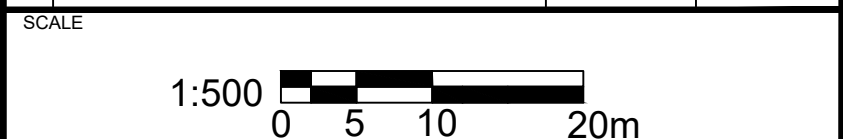
- Property Boundary
- Tree Preservation Fence
- 1678 Tree tag
- Tree Crown
- Minimum Tree Protection Zone

**Tree Location**

- Tree to be Preserved
- Tree to be Removed Due to Development
- Fruit or Weed Tree Areas 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	COMMENT	xxxx/xx/xx	xx



NORTH ARROW

ARBORIST (NON-FILL)

**BEACON ENVIRONMENTAL**

MARKHAM OFFICE  
80 MAIN ST NORTH  
MARKHAM, ON L3P 1X5

T) 905.201.7622  
F) 905.201.0839

CLIENT

**ST DAVIDS RIVERVIEW ESTATES**

PROJECT

**TAWNY RIDGE ESTATES**

SHEET TITLE

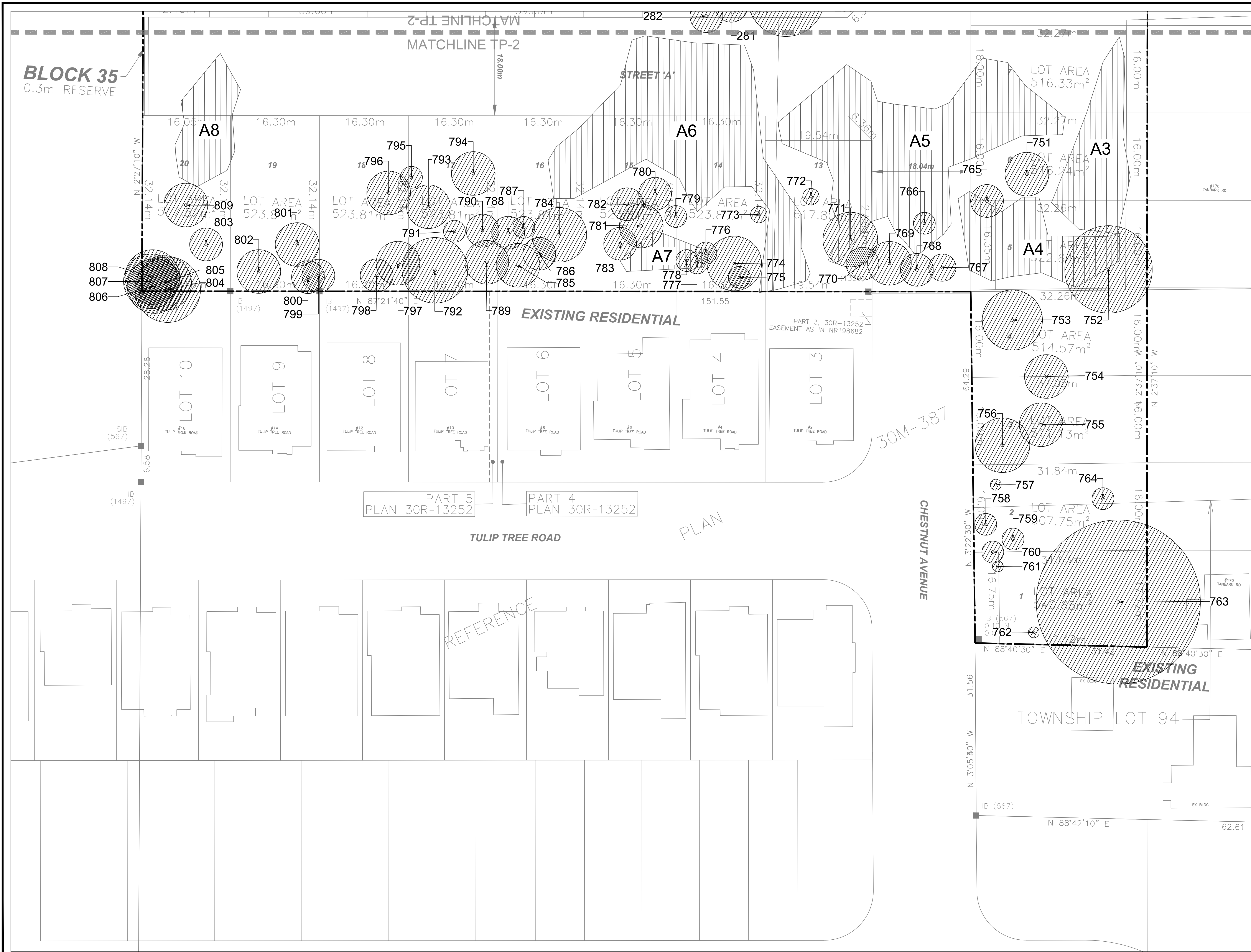
**TREE INVENTORY AND PRESERVATION PLAN**

DESIGN BY:	..	PROJECT Nº:	222339
DRAWN BY:	CS	FIGURE Nº:	TP-1
CHECKED BY:	DW		
DATE:	17 October 2022		









QUEENSTON RD

NIAGARA WINE ROUTE

WARNER RD

TANBARK RD

SUBJECT SITE

KEYMAP

NTS

LEGEND

Property Boundary

Tree Preservation Fence

1678 Tree tag

Tree Crown

Minimum Tree Protection Zone

Tree Location

Tree to be Preserved

Tree to be Removed Due to Development

Fruit or Weed Tree Areas 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	COMMENT	xxxx/xx/xx	xx

SCALE

1:300

0 5 10 20m

NORTH ARROW

CERTIFIED ARBORIST

ISA

ARBORIST (NON-FILL)

CLIENT

ST DAVIDS RIVERVIEW ESTATES

PROJECT

TAWNY RIDGE ESTATES

SHEET TITLE

TREE INVENTORY AND PRESERVATION PLAN

DESIGN BY: ..

DRAWN BY: CS

CHECKED BY: DW

DATE: 17 October 2022

PROJECT Nº: 222339

FIGURE Nº: TP-3



TREE INVENTORY TABLE

Tree ID	Species (Common Name)	Species (Scientific Name)	DBH [aggregate] (cm)	Crown Diameter (m)	Condition	Comment(s)	Tree Protection Zone Radius (m)	Recommendation	
210	Norway Spruce	Picea abies	28	6	Good	Good form and vigour	—	Remove	
211	Sugar Maple	Acer saccharum	Approx 28	6	Fair-Good	Good vigour. Some unions with poor structure	—	Remove	
212	Norway Spruce	Picea abies	28	6	Good	Good form and vigour	—	Remove	
213	Austrian Pine	Pinus nigra	13	2	Good	Good form and vigour	—	Remove	
214	Norway Spruce	Picea abies	33	8	Good	Good form and vigour	—	Remove	
215	Norway Spruce	Picea abies	33	8	Good	Good form and vigour	—	Remove	
216	Norway Spruce	Picea abies	34	8	Good	Good form and vigour	—	Remove	
217	Austrian Pine	Pinus nigra	12.6	4	Good	Good form and vigour	—	Remove	
218	Austrian Pine	Pinus nigra	14	4	Good	Good form and vigour	—	Remove	
219	Austrian Pine	Pinus nigra	13	2	Good	Good form and vigour	—	Remove	
220	Austrian Pine	Pinus nigra	12.5	4	Good	Good form and vigour	—	Remove	
221	Norway Spruce	Picea abies	21	6	Good	Good form and vigour	—	Remove	
222	Norway Spruce	Picea abies	32	8	Good	Good form and vigour	—	Remove	
223	Norway Spruce	Picea abies	31	8	Good	Good form and vigour	—	Remove	
224	Austrian Pine	Pinus nigra	13.5	4	Good	Good form and vigour	—	Remove	
225	Norway Spruce	Picea abies	34	8	Good	Good form and vigour	—	Remove	
226	Austrian Pine	Pinus nigra	37	8	Good	Good form and vigour	—	Remove	
227	Norway Spruce	Picea abies	42	8	Good	Good form and vigour	—	Remove	
228	Blue Spruce	Picea pungens	18	4	Fair	Good form. Distal leaves yellowing throughout crown, approx 50%	—	Remove	
229	Austrian Pine	Pinus nigra	43	8	Good	Good form and vigour	—	Remove	
230	Northern Red Oak	Quercus rubra	Approx 60	10	Good	Good form and vigour. Possible boundary tree	—	Remove	
231	White Ash	Fraxinus americana	28	6	Poor	Most of crown dead. Only lower crown and epicormics remain living	—	Remove	
232	Blue Spruce	Picea pungens	18	4	Good	Good form and vigour	—	Remove	
233	Norway Spruce	Picea abies	24	6	Good	Good form and vigour	—	Remove	
234	White Spruce	Picea glauca	30	6	Good	Good form and vigour	—	Remove	
235	Blue Spruce	Picea pungens	30	6	Good	Good form and vigour	—	Remove	
236	White Spruce	Picea glauca	16	2	Fair	Entwined at base and growing into adjacent tree	—	Remove	
237	Northern Red Oak	Quercus rubra	18	4	Fair	Entwined at base and growing into adjacent tree	—	Remove	
238	Scott Pine	Pinus sylvestris	36	8	Fair-Good	Good vigour. Fair form	—	Remove	
239	Austrian Pine	Pinus nigra	37	6	Poor-Fair	Lower canopy dead from diploia	—	Remove	
240	Eastern White Cedar	Thuja occidentalis	16, 16, 15	12, 13	Fair	Good vigour. Forks at base	—	Remove	
241	Manitoba Maple	Acer negundo	19	10	Fair	Good vigour. Strong lean	—	Remove	
242	Norway Maple	Acer platanoides	21	6	Fair-Good	Good form and vigour	—	Remove	
243	White Spruce	Picea glauca	26	6	Good	Good form and vigour	—	Remove	
244	Austrian Pine	Pinus nigra	32	4	Poor-Fair	Thin crown, diploia	—	Remove	
245	Austrian Pine	Pinus nigra	40	7	Fair	Good vigour. Codominant leaders in upper crown	—	Remove	
246	Austrian Pine	Pinus nigra	38	8	Fair	Thinning crown and codominant leaders	—	Remove	
247	Austrian Pine	Pinus nigra	52 @ 0.1 m	8	Fair-Good	Good form and vigour	—	Remove	
248	Norway Spruce	Picea abies	35	6	Good	Good form and vigour	—	Remove	
249	Norway Spruce	Picea abies	36	6	Good	Good form and vigour	—	Remove	
250	Norway Spruce	Picea abies	32	6	Good	Good form and vigour	—	Remove	
251	Norway Spruce	Picea abies	44	8	Good	Good form and vigour	—	Remove	
252	Austrian Pine	Pinus nigra	27	8	Fair	Some Diploia	—	Remove	
253	Austrian Pine	Pinus nigra	31	4	Fair	Some Diploia and moderately weak unions	—	Remove	
254	Scott Pine	Pinus sylvestris	15, 10, 8	10, 7	Fair	Some thinning	—	Remove	
255	Blue Spruce	Picea pungens	44 @ 0.3 m	8	Fair	Good form and vigour	—	Remove	
256	Norway Spruce	Picea abies	16	4	Good	Good form and vigour	—	Remove	
257	Norway Spruce	Picea abies	44	8	Good	Good form and vigour	—	Remove	
258	Scott Pine	Pinus sylvestris	14	6	Fair	Low fork	—	Remove	
259	Norway Spruce	Picea abies	14	6	Fair	Low fork	—	Remove	
260	Scott Pine	Pinus sylvestris	32	6	Fair	Crown thinning and codominant leaders	—	Remove	
261	Scott Pine	Pinus sylvestris	30	4	Fair	Crown thinning	—	Remove	
262	Austrian Pine	Pinus nigra	18	2	Good	Good form and vigour	—	Remove	
263	Eastern White Pine	Pinus strobus	28	6	Good	Good form and vigour	—	Remove	
264	Austrian Pine	Pinus nigra	28	6	Good	Good form and vigour	—	Remove	
265	White Spruce	Picea glauca	29	6	Good	Good form and vigour	—	Remove	
266	Austrian Pine	Pinus nigra	31	6	Good	Good form and vigour	—	Remove	
267	Norway Spruce	Picea abies	31	6	Fair	Some codominant leaders	—	Remove	
268	Austrian Pine	Pinus nigra	35	6	Fair	Some codominant leaders	—	Remove	
269	Blue Spruce	Picea pungens	16	3	Good	Good form and vigour	—	Remove	
270	Blue Spruce	Picea pungens	16	3	Good	Good form and vigour	—	Remove	
271	Austrian Pine	Pinus nigra	28	8	Fair	Codominant leaders	—	Remove	
272	Austrian Pine	Pinus nigra	39	8	Good	Good form and vigour	—	Remove	
273	White Spruce	Picea glauca	30	4	Good	Good form and vigour	—	Remove	
274	White Spruce	Picea glauca	28	6	Good	Good form and vigour	—	Remove	
275	Austrian Pine	Pinus nigra	42	10	Fair	Open crown with many moderately weak limbs	—	Remove	
276	White Spruce	Picea glauca	23	6	Good	Good form and vigour	—	Remove	
277	Norway Spruce	Picea abies	27	6	Good	Good form and vigour	—	Remove	
278	Blue Spruce	Picea pungens	30	6	Good	Good form and vigour	—	Remove	
279	Norway Spruce	Picea abies	29	4	Fair-Good	Minor weak union	—	Remove	
280	Black Walnut	Juglans nigra	27	4	Fair-Good	Good form and vigour	—	Remove	
281	Blue Spruce	Picea pungens	28	6	Good	Good form and vigour	—	Remove	
282	Blue Spruce	Picea pungens	28	6	Good	Good form and vigour	—	Remove	
283	Swamp Pin Oak	Quercus palustris	61	14	Fair-Good	Some nodes with many branches	—	Remove	
284	Black Walnut	Juglans nigra	19	4	Fair-Good	Some lean in upper crown	—	Remove	
285	Eastern White Cedar	Thuja occidentalis	14, 13.5, 8	12	Good	Good form and vigour	—	Remove	
286	Eastern White Cedar	Thuja occidentalis	15, 10, 8	10, 7	Good	Good form and vigour	—	Remove	
287	Eastern White Cedar	Thuja occidentalis	14.5, 11.5, 9 @ 1 m	4	Good	Good form and vigour	—	Remove	
288	Eastern White Cedar	Thuja occidentalis	15, 15, 9 @ 1 m	4	Good	Good form and vigour	—	Remove	
289	Eastern White Cedar	Thuja occidentalis	25.8	4	Good	Good form and vigour	—	Remove	
290	Black Walnut	Juglans nigra	15, 11	18.6	Good	Good form and vigour	—	Remove	
291	Black Walnut	Juglans nigra	22	6	Good	Good form and vigour	—	Remove	
292	Eastern White Cedar	Thuja occidentalis	19, 12, 10 @ 1.2 m	6	Good	Good form and vigour	—	Remove	
293	Eastern White Cedar	Thuja occidentalis	13, 13, 11, 12	12, 13	Good	Good form and vigour	—	Remove	
294	Eastern White Cedar	Thuja occidentalis	14, 13, 13, 12	26	Good	Good form and vigour	—	Remove	
295	Silver Maple	Acer saccharinum	42	8	Fair	Some dieback in lower crown	—	Remove	
296	Austrian Pine	Pinus nigra	28	6	Good	Good form and vigour	—	Remove	
297	Austrian Pine	Pinus nigra	30	5	Good	Good form and vigour	—	Remove	
298	Austrian Pine	Pinus nigra	19	4	Good	Good form and vigour	—	Remove	
299	Silver Maple	Acer saccharinum	80 @ 0.1 m	10	Fair	Included bark in major union	—	Remove	
300	Northern Red Oak	Quercus rubra	15 @ 0.3 m	6	Fair-Good	Codominant leaders	—	Remove	
301	Silver Maple	Acer saccharinum	54 @ 0.1 m	12	Fair-Good	Phase 1 inventory tag ID 43	—	Remove	
302	English Walnut	Juglans regia	24	12	Poor-Fair	Heartwood rot at base. Strong lean	—	Remove	
303	English Walnut	Juglans regia	38 @ 1.2 m	12	Fair	Good form and vigour	—	Remove	
304	Paper Birch	Betula papyrifera	18.5	6	Fair-Good	Some lean in canopy	—	Remove	
305	Silver Maple	Acer saccharinum	16	16	Fair	Clothes line girdling. Some weak unions	—	Remove	
306	Eastern White Cedar	Thuja occidentalis	27	6	Good	Good form and vigour	—	Remove	
307	Eastern White Cedar	Thuja occidentalis	18, 16, 11	26.5	Fair-Good	Good form and vigour	—	Remove	
308	Eastern White Cedar	Thuja occidentalis	12, 13, 13, 11	12, 13	Fair-Good	Good form and vigour	—	Remove	
309	Eastern White Cedar	Thuja occidentalis	14.5, 5, 7	18.4	Fair-Good	Good form and vigour	—	Remove	
310	Eastern White Cedar	Thuja occidentalis	15, 12, 12, 10	25.6	Fair-Good	Good form and vigour	—	Remove	
311	Eastern White Cedar	Thuja occidentalis	12.5, 11	16.7	6	Fair-Good	Good form and vigour	—	Remove
312	Eastern White Cedar	Thuja occidentalis	15, 15, 14	25	Good	Good form and vigour	—	Remove	
313	Eastern White Cedar	Thuja occidentalis	12.5, 12, 12, 11	6	Fair-Good	Good form and vigour	—	Remove	
314	Black Walnut	Juglans nigra	23.8	8	Fair-Good	Good form and vigour	—	Remove	
315	White Spruce	Picea glauca	27	6	Good	Good form and vigour	—	Remove	
316	White Spruce	Picea glauca	14	4	Good	Good form and vigour	—	Remove	
317	White Spruce	Picea glauca	20	4	Good	Good form and vigour	—	Remove	
318	White Spruce	Picea glauca	16	6	Good	Good form and vigour	—	Remove	
319	Eastern White Cedar	Thuja occidentalis	16	6	Good	Good form and vigour	—	Remove	
320	Eastern White Cedar	Thuja occidentalis	15	6	Good	Good form and vigour	—	Remove	
321	Eastern White Cedar	Thuja occidentalis	21.5	6	Good	Good form and vigour	—	Remove	
322	Eastern White Cedar	Thuja occidentalis	13.5	6	Good	Good form and vigour	—	Remove	
323	Eastern White Cedar	Thuja occidentalis	14	6	Good	Good form and vigour	—	Remove	
324	Eastern White Cedar	Thuja occidentalis	17.5	6	Good	Good form and vigour	—	Remove	
325	Eastern White Cedar	Thuja occidentalis	18, 14.5	23.1	6	Good	Good form and vigour	—	Remove
326	Eastern White Cedar	Thuja occidentalis	18	6	Good	Good form and vigour	—	Remove	
327	Eastern White Cedar	Thuja occidentalis	15.5	6	Good	Good form and vigour	—	Remove	
328	Eastern White Cedar	Thuja occidentalis	15.5	6	Good	Good form and vigour	—	Remove	
329	Eastern White Cedar	Thuja occidentalis	21.5	6	Good	Good form and vigour	—	Remove	
330	Eastern White Cedar	Thuja occidentalis	19	6	Good	Good form and vigour	—	Remove	
331	Eastern White Cedar	Thuja occidentalis	18	6	Good	Good form and vigour	—	Remove	
332	Eastern White Cedar	Thuja occidentalis	15	6	Good	Good form and vigour	—	Remove	
333	Eastern White Cedar	Thuja occidentalis	23	6	Good	Good form and vigour	—	Remove	
334	Eastern White Cedar	Thuja occidentalis	17.5	6	Good	Good form and vigour	—	Remove	
335	Eastern White Cedar	Thuja occidentalis	17	6	Good	Good form and vigour	—	Remove	
336	Eastern White Cedar	Thuja occidentalis	26	6	Good	Good form and vigour	—	Remove	
337	Black Walnut	Juglans nigra	24.5	6	Good	Good form and vigour	—	Remove	
338	Black Walnut	Juglans nigra	24.5	6	Good	Good form and vigour	—	Remove	
339	Silver Maple	Acer saccharinum	58 @ 0.5 m	10	Good	Link at base	—	Remove	
340	Silver Maple	Acer saccharinum	29, 16, 14, 10	63.7	Fair	Many limbs at base	—	Remove	
341	Silver Maple	Acer saccharinum	30, 27, 18, 17	47.3	Fair	Many limbs at base	—	Remove	
342	Silver Maple	Acer saccharinum	28	6	Fair	Dieback at leader. Moderate lean	—	Remove	
343	Black Walnut	Juglans nigra	28	6	Good	Good form and vigour	—	Remove	
344	Silver Maple	Acer saccharinum	20, 19.5, 14.8, 11	9	Good	EAB damage throughout trunk but callousing. Upper 35-20% died back, incl leader. Approx 50 % keys filled	—	Remove	
345	White Ash	Fraxinus americana	33.6	9	Poor-Fair	Good form and vigour	—	Remove	
346	Black Walnut	Juglans nigra	26	8	Good	Good form and vigour	—	Remove	
347	Black Walnut	Juglans nigra	15	6	Fair	Early senescence	—	Remove	
348	Black Walnut	Juglans nigra	28	8	Fair-Good	Some codominance	—	Remove	
349	Black Walnut	Juglans nigra	19	8	Fair	Early senescence	—	Remove	
350	Silver Maple	Acer saccharinum	16	14	Fair	Strong lean	—	Remove	
351	Eastern White Pine	Pinus strobus	27	8	Good	Good form and vigour	—	Remove	
352	Silver Maple	Acer saccharinum	Approx 58	16	Good	Good form and vigour	—	Remove	
353	Honey Locust	Gleditsia triacanthos	37	11	Good	Good form and vigour	—	Remove	
354	Honey Locust	Gleditsia triacanthos	34.5	8	Good	Good form and vigour	—	Remove	
355	White Ash	Fraxinus americana	25.5	8	Good	No fruit set. North 50% of crown dead	—	Remove	
356	Honey Locust	Gleditsia triacanthos	38.5	10	Good	Good form and vigour	—	Remove	
357	Austrian Pine	Pinus nigra	12.5 @ 1.3 m	10	Good	Good form and vigour	—	Remove	
358	Austrian Pine	Pinus nigra	21	4	Good	Good form and vigour	—	Remove	
359	Austrian Pine	Pinus nigra	25	4	Good	Good form and vigour	—	Remove	
360	Austrian Pine	Pinus nigra	20	4	Fair-Good	Some dieback in lower crown	—	Remove	
361	Blue Spruce	Picea pungens	14	2	Good	Good form and vigour	—	Remove	
362	Blue Spruce	Picea pungens	13	2	Good	Good form and vigour	—	Remove	
363	Silver Maple	Acer saccharinum	89.5	30	Fair-Good	Some dieback in crown (10%)	—	Remove	
364	Scott Pine	Pinus sylvestris	24	6	Good	Good form and vigour	—	Remove	
365	Austrian Pine	Pinus nigra	24	6	Poor-Fair	Weak major union	—	Remove	
366	Eastern White Pine	Pinus strobus	13	4	Good	Good form and vigour	—	Remove	
367	Austrian Pine	Pinus nigra	20	5	Fair-Good	Good form and vigour	—	Remove	
368	Austrian Pine	Pinus nigra	22	6	Fair-Good	Good form and vigour	—	Remove	
369	Austrian Pine	Pinus nigra	33	8	Fair-Good	Good form and vigour	—	Remove	
370	Austrian Pine	Pinus nigra	20	6	Fair-Good	Good form and vigour	—	Remove	
371	Black Walnut	Juglans nigra	21	10	Fair	Moderate lean	—	Remove	
372	Balkan Fir	Abies balsamea	14, 12	18.4	Fair	Low fork	—	Remove	
373	Japanese Tree Lilac	Syringa reticulata	13 @ 1 m	3	Fair-Good	Good form and vigour	—	Remove	
374	A								