NATURAL RESOURCE SOLUTIONS INC.
Aquatic, Terrestrial and Wetland Biologists

Memo

Project No. 1688

To: **Ron Thomson, First Urban**

From: **Katharina Walton**

Date: **December 15, 2015**

Re: **105 Avondale Court and 143 Bluewater Place, Burlington – Tree Inventory**

Introduction

Natural Resource Solutions Inc. (NRSI) was retained by First Urban to complete a tree inventory for the proposed redevelopment of 105 Avondale Court and 143 Bluewater Place in Burlington, Ontario. This memo provides the findings of the tree inventory, including an assessment of existing health and structural integrity of inventoried trees.

Tree Inventory and Methodology

A comprehensive inventory of trees ≥10cm in Diameter at Breast Height (DBH) was undertaken of all trees located within both properties (herein referred to as the subject property), as well as trees located outside the subject property (herein referred to as off-site) that have canopies or potential root zones overlapping with the subject property. The inventory was completed by NRSI Certified Arborists on September 24, October 8 and October 27, 2015.

Individual trees that were ≥10cm DBH were assessed by a Certified Arborist. Each tree was tagged with a pre-numbered aluminum forestry tag, with the exception of all off-site trees, trees within the densely planted hedge (Polygon 1), and trees located in unsafe site conditions (e.g., steep slopes, unstable soils, high water conditions, etc.). The location of trees inventoried was subsequently surveyed using an SXBlue II GNSS GPS unit by the Certified Arborist. Instead of recording the locations of each tree within the densely planted hedge, the dripline of the hedge was GPS-georeferenced and the individual trees within each hedge were assessed in terms of overall health and potential for structural failure. Tree inventory locations are shown on Map 1. A complete list of the trees that were assessed and their overall health and potential for structural failure is included in Appendix I.

The following information was recorded for each tree:

- species,
- DBH measurement (centimetres),
- crown radius (metres),
- general health (excellent, good, fair, poor, very poor, dead),
- potential for structural failure (low, medium, high), and

- general comments (e.g. disease, aesthetic quality, development constraints, sensitivity to development, etc.).

The general health and potential for structural failure of each tree was assessed based on the criteria outlined in Table 1. In carrying out this assessment, NRSI arborists exercised a reasonable standard of care, skill and diligence as would be customarily and normally provided in carrying out this assessment. The assessment has been made using accepted arboricultural techniques. These include a visual examination of each tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of insect attack, 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 current or planned proximity of property and people. None of the trees examined on the property were dissected, cored, probed, or climbed and detailed root crown examinations involving excavation were not undertaken. The full conditions of this assessment are provided in Appendix II.

As part of the tree inventory and health assessment, Certified Arborists who are also Certified Butternut Health Assessors were aware of the potential for Butternut trees (*Juglans cinerea*) and other Species at Risk within and adjacent to the subject property. Butternut is an Endangered tree species protected by the Endangered Species Act (ESA), 2007. A Butternut Health Assessment (BHA) was completed by a Certified Butternut Health Assessor for any potential Butternut trees located on or adjacent to the subject property that may incur damage as a result of construction. Using Appendix A, Table 3 of the 2014 Ministry of Natural Resources and Forestry (MNRF) Butternut Assessment Guidelines, Certified Butternut Health Assessors used field identification traits to determine if potential Butternut trees were pure or hybrid species. The locations of inventoried Butternut trees are shown on Map 1.

As part of the tree health assessment, NRSI biologists who are trained and experienced in the MNRF bat habitat assessment protocol visually scanned all trees ≥10cm DBH for the presence of cavities that may provide bat maternity colony habitat. Although the MNRF's guidance document *Bats and Bat Habitats: Guidelines for Wind Power Projects, July 2011* (OMNR 2011) specifies trees ≥25cm DBH, all trees ≥10cm DBH were scanned for cavities as a means of thoroughly searching for any potential habitat for bats, including Species at Risk bats.

Table 1. Tree Assessment Criteria

Assessment Criteria	Definition[1]
Health Rating*	
Excellent	Represents a tree in near perfect form, health, and vigor. This tree would exhibit no deadwood, no decline, and no visible defects.
Good	Represents a tree ranging from a generally healthy tree to a near perfect tree in terms of health, vigor and structure. This tree exhibits a complete, balanced crown structure with little to no deadwood and minimal defects as well as a properly formed root flare.
Fair	Represents a tree with minor health, balance or structural issues with minimal to moderate deadwood. Branching structure shows signs of included bark or minor rot within the branch connections or trunk wood. The root flare shows minimal signs of mechanical injury, decay, poor callusing, or girdling roots. Trees in the category require minor remedial actions to improve the vigor and structure of the tree.
Poor	Represents a tree that exhibits a poor vigor, reduced crown size (<30% of crown typical of species caused by overcrowding or decline), extreme crown unbalance, or extensive rot in the branching and trunk wood. Fungus could be seen from these rotting areas, suggesting further decay. These trees have extensive crown die back with a large amount of deadwood, and possibly dead sections. These weakened areas can lead to a potential failure of tree sections. Rooting zones show signs of extensive root decay or damage (fruiting bodies or mechanical damage) or girdling roots. Trees in this category require more extensive actions to prevent failure. A tree identified as poor would be a candidate for removal in the near future.
Very Poor	Represents a tree that exhibits major health and structural defects. Quite often the defects or diseases affecting this tree will be fatal. Large quantities of fungus, large dead sections with possible cavities and bark falling off all are signs that a tree is in a major state of decline and would be identified as very poor. These trees have a high potential for structural failure. These trees should be identified for removal.
Potential for Structural Failure Rating*	
Low	Trees that show good vigor and structure and show little to no signs of decline or structural issues.
Medium	Trees with some structural issues that are forming which could lead to failure if not addressed and properly treated (i.e. pruned). Symptoms of these structural issues include cavity openings/stem damage <30% of the circumference of the tree, poor branching union within the scaffold branches (signs of canker or decay within branch union), signs of historic branch failure throughout the crown, or advanced signs of included bark within the branch unions throughout the tree (water staining, tight angled branch unions, noticeable gap in branch union).
High	Trees with a large number of structural issues (i.e. poor branch union, decay) which could lead to the failure of large scaffold branches or major sections. Major defects include: large cavities within stem or branch wood, historic crown damage of the majority of the canopy, extensive lean due to recent or historic root damage/decay, or large dead crown limbs with fruiting bodies present. If trees identified as a High Potential for Structural Failure are located within striking distance of a target (high traffic place, person, or high value thing), the tree should be identified for removal as soon as possible.
* Trees which are located within dense groupings are evaluated as individual specimens. Trees within these stands quite often have a reduced crown size (<30% of crown typical of species), off balanced crowns, and prioritized upward growth (i.e. low trunk taper and few lateral branches). As such, these trees would be considered to have poor vigour. As well, these trees pose a high potential for structural failure when newly exposed edges or individual trees are isolated through removal of surrounding trees. This is often the case with overstocked plantations. Individual trees which meet the above criteria will be identified as poor or high potential for structural failure.	

[1]Dunster 2009

Summary of Tree Inventory
In total, 323 individual non-hedge trees were inventoried. In addition, one hedge, consisting of 1 species, ranging in size from 10.0 to 20.0cm DBH was also assessed. A total of 54 species were identified. Excluding the hedge, 121 (37.5%) are native species and 202 (62.5%) are non-native.

The one hedge, containing 46 trees, consists of White Cedar (*Thuja occidentalis*) trees that are densely planted together. The hedge was assessed to be in fair condition with a medium potential for structural failure. Most of these trees were determined to be between 12.0 and 15.0cm DBH.

A complete list of trees inventoried is provided in Appendix I and tree locations are shown on Map 1. Table 2 provides a list of tree species inventoried, whether they are native or non-native, and their overall condition.

Table 2. Summary of Inventoried Trees

Common Name	Scientific Name	Excellent	Good	Fair	Poor	Very Poor	Dead	Total
Native Species								
American Basswood	*Tilia americana*			7	1			8
American Beech	*Fagus grandifolia*				2			2
Balsam Poplar	*Populus balsamifera*				2			2
Black Cherry	*Prunus serotina*		1					1
Black Walnut	*Juglans nigra*		1	2				3
Black Willow	*Salix nigra*				1			1
Butternut Species[1]	*Juglans* sp.			4	1			5
Eastern Cottonwood	*Populus deltoides*		2	4				6
Eastern Hemlock	*Tsuga canadensis*		3	4				7
Freeman's Maple	*Acer X freemanii*			4				4
Green Ash	*Fraxinus pennsylvanica*			1				1
Hawthorn Species	*Crataegus* sp.			1				1
Manitoba Maple	*Acer negundo*				1			1
Red Maple	*Acer rubrum*			4	1			5
Red Oak	*Quercus rubra*		2					2
Redbud	*Cercis canadensis*		1					1
Silver Maple	*Acer saccharinum*			1				1
Staghorn Sumac	*Rhus hirta*				1	1		2
Sugar Maple	*Acer saccharum*		1	4				5
Sycamore	*Platanus occidentalis*			1				1
Trembling Aspen	*Populus tremuloides*			1				1
White Ash	*Fraxinus americana*			1	1			2
White Birch	*Betula papyrifera*		1	3				4
White Cedar	*Thuja occidentalis*		4	51	2			57

[1] As indicated in the report below, these are most likely Butternut hybrids.

Common Name	Scientific Name	Excellent	Good	Fair	Poor	Very Poor	Dead	Total
White Elm	*Ulmus americana*					1	1	2
White Pine	*Pinus strobus*		2	8	2		1	13
White Spruce	*Picea glauca*		1	18	7	1		27
Yellow Birch	*Betula alleghaniensis*			1	1			2
Total			**19**	**120**	**23**	**3**	**2**	**167**
Non-Native Species								
Austrian Pine	*Pinus nigra*			6	3	2		11
Black Locust	*Robinia pseudo-acacia*			1	1			2
Butternut Hybrid	*Juglans X*		2	1	4			7
Cherry Species	*Prunus* sp.			1	1			2
Chinese Chestnut	*Castanea mollissima*			1	1			2
Colorado Spruce	*Picea pungens*		2	18	17	6	2	45
Douglas Fir	*Pseudotsuga menziesii*			3				3
Dwarf Lilac	*Syringa pubescens*		1					1
English Yew	*Taxus baccata*	1	7	9	2			19
European Beech	*Fagus sylvatica*		3	3				6
European Larch	*Larix decidua*			1	4			5
European Spindle Tree	*Euonymus europaeus*			1				1
Ginkgo	*Ginkgo biloba*		2	1				3
Honey Locust	*Gleditsia triacanthos* var. *inermis*		2	1				3
Horse Chestnut	*Aesculus hippocastanum*		1	1				2
Japanese Maple	*Acer palmatum*		1					1
Lilac	*Syringa vulgaris*				1			1
Linden	*Tilia cordata*			1				1
Norway Maple	*Acer platanoides*		2	18	1		2	23
Norway Spruce	*Picea abies*		2	25	10	1	1	39
Pear	*Pyrus communis*			1				1
Scots Pine	*Pinus sylvestris*			5	2	2	2	11
Serviceberry Species	*Amelanchier* sp.			3				3
Weeping Willow	*Salix alba* var. *vitellina*				1			1
White Mulberry	*Morus alba*		1	5	1			7
Yellow Cedar	*Chamaecyparis nootkatensis*			2				2
Total		**1**	**26**	**108**	**49**	**11**	**7**	**202**
Overall Total		**1**	**45**	**228**	**72**	**14**	**9**	**369**

Table 3 provides a summary of the overall condition of trees inventoried, along with their structural failure rating. A majority of the trees inventoried are in fair condition with a medium potential for structural failure.

Table 3. Overall Condition of Trees Inventoried

Structural Failure Rating	Overall Condition						Total
	Excellent	Good	Fair	Poor	Very Poor	Dead	
Low	1	45	32				78
Medium			196	24			220
High				48	14	9	71
Total	**1**	**45**	**228**	**72**	**14**	**9**	**369**

A total of 12 Butternut trees were observed on the subject property or immediately adjacent. Seven of these trees have been confirmed to be Butternut Hybrids (*Juglans X*), and are not afforded protection under the ESA. Due to the crown height of the remaining 5 trees, leaf, bud, and/or twig samples could not be obtained to determine whether they are pure Butternut or Butternut Hybrid trees. As such, for the purposes of this memorandum, these trees have been identified as Butternut Species (*Juglans* sp.). Given that the other trees have been verified as Butternut Hybrids, it is highly likely that all Butternut trees inventoried are hybrid.

A complete and accurate assessment of a Butternut tree can only be conducted during the “leaf-on” season. For the purposes of the ESA, the MNRF has defined the leaf-on season between May 15 and August 31. Although the BHA was conducted after the established timing window, and could be considered problematic by the MNRF, most Butternut trees were assessed when trees contained more than 75% of their live crown. In addition, detailed notes and photographs were taken for each tree.

A BHA report has been completed and is being submitted with this memo for your review. The BHA report must be submitted to the MNRF at least 30 days prior to registering an eligible activity to kill, harm, or remove a Butternut tree. During this 30 day period, no Butternut trees (of any category, including hybrid trees) may be killed, harmed, or removed, and MNRF may contact you for an opportunity to examine the trees.

No cavity trees representing potential bat habitat were identified during the tree inventory.

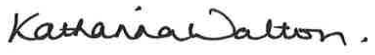
Tree Preservation and Compensation Plan

Input on tree preservation and compensation will be made once a development plan is presented. NRSI understands that the perimeter trees will be retained to the extent possible, but that most of the trees within the two properties will be removed. The report will identify individual trees to be retained, removed or relocated, including their dripline, location and type of tree protection fencing, and location of information signs along the tree protection fencing.

If retention of trees within the subject property is not feasible, a tree compensation and/or mitigation plan will be prepared to the satisfaction of the Region of Halton. The plan will outline protective measures to be taken before, during, and after construction to prevent damage to vegetation and encourage optimal tree health.

I trust that this information is helpful. If you have any questions, please do not hesitate to contact me.

Sincerely,
Natural Resource Solutions Inc.



Katharina Walton, B.E.S.
Terrestrial and Wetland Biologist

MAPS

Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
501	Butternut Hybrid	*Juglans X*	Non-native	28.0	2	6.0	Low	Good	Unbalanced crown, some defoliation, and dieback, mostly due to competition; otherwise, vigorous.
502	Butternut Species	*Juglans* sp.	Native	55.2	1	8.0	Medium	Fair	Some dieback, growing on slope, phototrophic lean, history of branch failure, some frass near root flare, some staining (not butternut canker). Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
503	Butternut Species	*Juglans* sp.	Native	50.5	1	10.0	Medium	Fair	Some dieback and history of branch failure. Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
504	Scots Pine	*Pinus sylvestris*	Non-native	29.1	1	3.0	Medium	Fair	Unbalanced crown, stem with "S" bend, sapsucker feeding, vines up stem, competition with adjacent trees.
505	Norway Maple	*Acer platanoides*	Non-native	20.7	1	3.5	Medium	Fair	Reduced crown due to competition with other trees, some staining, bark split with good compartmentalization, ivy ground around root zone and up stem.
506	Scots Pine	*Pinus sylvestris*	Non-native	31.5	1	3.0	Medium	Poor	Poor structure, crown thinning and dieback, extensive ivy up stem.
507	Scots Pine	*Pinus sylvestris*	Non-native	29.6	1	2.5	High	Very Poor	Most of crown dead, extensive ivy up stem.
508	Scots Pine	*Pinus sylvestris*	Non-native	32.2	1	3.0	High	Dead	Located between the fence and watercourse.
509	Butternut Species	*Juglans* sp.	Native	34.4	1	6.0	Low	Fair	Minimal evidence of butternut canker, some reduced crown, shade pruning, some dieback due to competition with adjacent trees, otherwise vigorous. Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
510	American Basswood	*Tilia americana*	Native	24.5	1	4.0	Low	Fair	Unbalanced crown, defoliation, phototrophic lean, ivy growing around root zone.
511	Norway Maple	*Acer platanoides*	Non-native	19.7	1	4.0	Low	Fair	Growing on slope, phototrophic lean, unbalanced crown, ivy growing around stem, tar spot.
512	American Basswood	*Tilia americana*	Native	13.3	1	3.0	Medium	Fair	Growing on slope, strong phototrophic lean away from creek, unbalanced crown.
513	American Basswood	*Tilia americana*	Native	14.9	1	3.0	Medium	Fair	Strong phototrophic lean, growing on slope, unbalanced crown, ivy growing around base.
514	Norway Maple	*Acer platanoides*	Non-native	11.7	1	1.0	High	Dead	
515	Silver Maple	*Acer saccharinum*	Native	83.5	3	15.0	Medium	Fair	Growing on slope, crown hanging over both properties, sunken bark, history of branch failure, some dieback.
516	White Ash	*Fraxinus americana*	Native	11.6	1	2.0	Medium	Poor	Dieback, early leaf drop.
517	White Ash	*Fraxinus americana*	Native	15.9	1	2.5	Medium	Fair	Mostly one sided crown, some dieback.
518	Norway Maple	*Acer platanoides*	Non-native	55.5	1	7.0	High	Poor	Cavity with carpenter ants and frass, lean, girdled root, staining, exposed root, dieback, and tar spot.
519	Hawthorn Species	*Crataegus* sp.	Native	17.4	1	3.0	Medium	Fair	Some dieback, but likely some due to shading, seams near root flare from old fused stems, lean, unbalanced crown.
520	Colorado Spruce	*Picea pungens*	Non-native	11.7	1	1.5	Medium	Fair	One side extensive dieback due to shading, otherwise fair condition.
521	Black Walnut	*Juglans nigra*	Native	25.6	1	4.5	Low	Good	Minimal dieback and defoliation, otherwise vigorous.
522	Colorado Spruce	*Picea pungens*	Non-native	21.2	1	3.0	Low	Fair	Unbalanced crown and shade pruning.
523	Serviceberry Species	*Amelanchier* sp.	Non-native	10.9	1	2.5	Medium	Fair	Bulging root flare, large calloused wound with decay, bark cracks on stem and scaffold branches.
524	Colorado Spruce	*Picea pungens*	Non-native	10.2	1	2.0	Low	Good	Minimal dieback and thinning, otherwise vigorous.
524	Eastern Cottonwood	*Populus deltoides*	Native	39.0	1	4.0	Medium	Fair	Leaning towards water, upper crown broken, potential to prune away broken limb.
526	Norway Spruce	*Picea abies*	Non-native	48.8	1	6.0	Low	Good	Minor dieback, otherwise vigorous.
527	Norway Spruce	*Picea abies*	Non-native	44.2	1	4.5	Low	Good	Some crown thinning for lines, but overall vigorous.
528	American Basswood	*Tilia americana*	Native	15.2	1	3.0	Medium	Fair	Poor leader structure, phototrophic lean, some dieback, unbalanced crown.
529	White Elm	*Ulmus americana*	Native	24.3	1	3.0	High	Dead	Peeling bark, unbalanced crown.
530	Butternut Hybrid	*Juglans X*	Non-native	37.3	1	9.0	Low	Good	Phototrophic lean, growing on slope.
531	Eastern Hemlock	*Tsuga canadensis*	Native	16.1	1	2.5	Low	Good	Minor dieback, otherwise vigorous.
532	Balsam Poplar	*Populus balsamifera*	Native	45.1	1	5.0	Medium	Poor	Dieback and history of branch failure, extensive epicormic, spots on leaves, some peeling bark, some sunken bark areas indicative of decay.
533	Norway Spruce	*Picea abies*	Non-native	50.8	1	6.0	Medium	Fair	Some history of branch failure, crown thinning, sparse sections, some dieback, unbalanced crown.
534	Norway Spruce	*Picea abies*	Non-native	13.2	1	2.0	Medium	Poor	Reduced crown due to competition with other species.
535	Balsam Poplar	*Populus balsamifera*	Native	41.3	1	4.5	High	Poor	Large open canker with decay/mushroom, peeling bark on root flare, girdled roots, dieback, history of branch failure, leaf spots, unbalanced crown.
536	Linden	*Tilia cordata*	Non-native	12.8	1	2.5	Medium	Fair	Lean, foliage feeding, slight unbalanced crown , growing adjacent to rip rap and on slope.
537	White Spruce	*Picea glauca*	Native	40.9	1	4.0	Medium	Fair	Reduced and unbalanced crown, root flare with exposed large roots on east side.
538	Norway Spruce	*Picea abies*	Non-native	39.8	1	4.0	Medium	Fair	Some dieback, thinning, history of branch failure, but relatively vigorous, exposed roots on west side.
539	Colorado Spruce	*Picea pungens*	Non-native	13.5	1	1.5	High	Poor	Very reduced crown, lean, growing on slope, competing with adjacent trees, dieback.
540	Colorado Spruce	*Picea pungens*	Non-native	22.2	1	3.5	High	Poor	Reduced and unbalanced crown, dieback, competing with adjacent trees.
541	Colorado Spruce	*Picea pungens*	Non-native	18.9	1	2.5	High	Dead	
542	White Birch	*Betula papyrifera*	Native	17.1	2	4.0	Medium	Fair	Codominant stems with included bark, some dieback and defoliation, history of branch failure, large calloused split, some staining.
543	Ginkgo	*Ginkgo biloba*	Non-native	35.2	1	4.0	Low	Good	Old wound on main stem healed, healthy crown.
544	Colorado Spruce	*Picea pungens*	Non-native	15.0	1	1.5	High	Very Poor	Crown extremely sparse, almost bare.
545	White Birch	*Betula papyrifera*	Native	25.2	4	3.5	Medium	Fair	Codominant stems, large exposed roots, unbalanced crown, some dieback and defoliation.
546	Colorado Spruce	*Picea pungens*	Non-native	28.7	1	3.5	High	Dead	Strong lean.
547	White Mulberry	*Morus alba*	Non-native	29.2	2	4.0	High	Poor	Large callousing wounds with decay, staining in multiple areas, dieback, spots on leaves.
548	European Larch	*Larix decidua*	Non-native	26.3	1	3.5	Medium	Poor	Dieback and thinning throughout.
549	American Beech	*Fagus grandifolia*	Native	12.6	1	3.0	Medium	Poor	Unbalanced crown, some anthracnose on leaves, cavity with carpenter ants and frass.
550	American Beech	*Fagus grandifolia*	Native	15.6	1	3.5	Medium	Poor	Small cavity with decay, desiccating leaves, deadwood.
551	White Birch	*Betula papyrifera*	Native	25.1	3	5.0	Low	Good	Codominant stems with included bark, minimal dieback, otherwise vigorous.
552	Eastern Cottonwood	*Populus deltoides*	Native	57.2	1	3.5	Medium	Fair	One sided crown toward water, growing adjacent to concrete retaining wall.
553	Eastern Cottonwood	*Populus deltoides*	Native	49.4	1	4.0	Low	Good	Relatively full crown, solid stem.
554	Eastern Cottonwood	*Populus deltoides*	Native	49.5	1	4.3	Low	Good	Relatively full, vigorous crown, growing close to fence.
555	Manitoba Maple	*Acer negundo*	Native	17.7	1	6.0	High	Poor	Growing around fence, crown growing on 45 degree angle down towards water.
556	White Cedar	*Thuja occidentalis*	Native	18.0	1	3.0	Medium	Fair	Crown dieback, one sided crown.
557	Norway Spruce	*Picea abies*	Non-native	36.8	1	5.3	Medium	Fair	Slight one sided crown, some dieback.
558	Norway Spruce	*Picea abies*	Non-native	30.5	1	4.0	Low	Fair	Slight one sided crown, some dieback.
559	American Basswood	*Tilia americana*	Native	62.7	3	9.0	Medium	Fair	Woodpecker damage, some insect feeding.
560	Redbud	*Cercis canadensis*	Native	21.3	1	6.0	Low	Good	Growing on 10 degree angle toward house, slight one sided crown, otherwise good condition.
561	European Beech	*Fagus sylvatica*	Non-native	33.3	1	4.3	Low	Good	Full crown, could benefit from light pruning.
562	European Beech	*Fagus sylvatica*	Non-native	35.6	1	6.0	Low	Good	Full, vigorous crown, growing on slope.
563	Norway Maple	*Acer platanoides*	Non-native	103.6	2	8.5	Medium	Fair	Full crown, included bark with minimal staining, exposed root flare, could benefit from scaffold pruning.
564	Norway Maple	*Acer platanoides*	Non-native	12.0	1	3.3	Low	Good	Slight unbalanced crown due to adjacent tree, growing on slope, solid stem.
565	White Pine	*Pinus strobus*	Native	64.4	1	3.5	Medium	Fair	History of branch failure, some scaffold dieback, main stem relatively solid.
566	English Yew	*Taxus baccata*	Non-native	18.5	1	3.0	Medium	Poor	One sided crown, crown dieback.
567	Sugar Maple	*Acer saccharum*	Native	53.7	1	6.5	Low	Good	Full crown, minimal staining on root flare.
568	Eastern Hemlock	*Tsuga canadensis*	Native	11.0	1	4.0	Low	Good	Competing with larger adjacent trees, otherwise healthy.
569	English Yew	*Taxus baccata*	Non-native	21.2	1	3.0	Medium	Poor	Growing on slight angle, crown dieback, some squirrel damage.
570	Norway Maple	*Acer platanoides*	Non-native	20.3	1	3.0	Low	Good	Relatively full crown, growing on slope.
571	American Basswood	*Tilia americana*	Native	33.8	2	2.8	Medium	Fair	Minimal woodpecker damage, epicormic growth, some crown dieback.
572	Eastern Hemlock	*Tsuga canadensis*	Native	13.2	1	3.5	Low	Good	Slightly stunted crown due to adjacent tree, otherwise healthy.
573	Red Oak	*Quercus rubra*	Native	80.0	1	11.0	Low	Good	Large, mature tree in good condition, old prune cuts compartmentalizing.
574	Scots Pine	*Pinus sylvestris*	Non-native	25.7	1	2.5	High	Dead	Snag on slope adjacent to house.
575	White Cedar	*Thuja occidentalis*	Native	32.3	1	2.0	Medium	Poor	Squirrel damage, crown snapped off, some crown dieback.
576	Austrian Pine	*Pinus nigra*	Non-native	27.9	1	3.0	High	Poor	Relatively extensive crown dieback, stress cracks on main stem, English ivy up main stem.
577	Austrian Pine	*Pinus nigra*	Non-native	34.5	1	4.0	High	Poor	Crown/scaffold dieback, some stress cracks on main stem.
578	Red Maple	*Acer rubrum*	Native	28.2	2	5.5	High	Poor	Codominant stems, wounds on main stems with evidence of rot, staining, crown still relatively full and vigorous.
579	Austrian Pine	*Pinus nigra*	Non-native	33.5	1	3.3	Medium	Fair	Some crown dieback, main stem relatively solid.
580	Horse Chestnut	*Aesculus hippocastanum*	Non-native	14.7	1	3.3	Low	Good	Full, vigorous crown, competing with adjacent tree slightly.
581	Honey Locust	*Gleditsia triacanthos* var. *inermis*	Non-native	45.4	1	5.5	Medium	Fair	Some dieback in lower scaffold branches, could benefit from light pruning.
582	White Pine	*Pinus strobus*	Native	47.9	1	6.0	Medium	Fair	Minimal dieback, slightly unbalanced crown due to adjacent tree.
583	White Cedar	*Thuja occidentalis*	Native	17.7	4	2.0	Medium	Fair	One stem in poor condition, some crown dieback and bark loss.
584	White Cedar	*Thuja occidentalis*	Native	19.5	4	2.0	Low	Good	Minimal dieback.
585	White Spruce	*Picea glauca*	Native	21.6	1	3.0	High	Poor	Extensive crown dieback, one sided crown.
586	White Spruce	*Picea glauca*	Native	28.1	1	3.3	Medium	Fair	One sided crown due to adjacent tree, some crown dieback.
587	English Yew	*Taxus baccata*	Non-native	14.2	1	4.0	Low	Good	Along property boundary in hedge of yew.
588	Norway Maple	*Acer platanoides*	Non-native	21.4	2	4.3	Low	Fair	On property boundary, minimal dieback.
589	White Spruce	*Picea glauca*	Native	27.2	1	4.0	Medium	Fair	Minimal dieback, competing with adjacent trees.
590	English Yew	*Taxus baccata*	Non-native	14.4	3	5.0	Low	Good	Minimal dieback due to light competition.
591	White Spruce	*Picea glauca*	Native	14.4	1	2.0	High	Very Poor	Minimal crown remaining.
592	English Yew	*Taxus baccata*	Non-native	20.6	1	6.0	Low	Good	On property boundary, minimal dieback.
593	English Yew	*Taxus baccata*	Non-native	11.2	1	4.0	Low	Fair	Crown dieback due to competition, close to property boundary.
594	English Yew	*Taxus baccata*	Non-native	13.5	1	3.0	Low	Excellent	Full, vigorous, growing adjacent to house.
595	Norway Maple	*Acer platanoides*	Non-native	101.3	1	8.0	Medium	Fair	Some included bark in upper scaffold, full vigorous crown, some evidence of rot in small prune cuts.
596	Austrian Pine	*Pinus nigra*	Non-native	40.6	1	2.0	Medium	Fair	Narrow crown due to adjacent trees, some crown dieback.
597	Austrian Pine	*Pinus nigra*	Non-native	56.4	1	5.0	Medium	Fair	Insect feeding on main stem, some scaffold dieback.
598	Austrian Pine	*Pinus nigra*	Non-native	47.9	1	5.0	Medium	Fair	Unbalanced crown due to adjacent trees, some lower scaffold dieback.
599	Ginkgo	*Ginkgo biloba*	Non-native	36.0	1	5.3	Low	Good	Slightly one sided crown due to adjacent tree, otherwise healthy.
600	Sycamore	*Platanus occidentalis*	Native	44.9	1	7.0	Medium	Fair	Stress crack up main stem with some compartmentalization, full crown.
601	White Mulberry	*Morus alba*	Non-native	21.2	3	6.5	Low	Good	Unbalanced but full crown, some staining in lower branch union.
602	White Mulberry	*Morus alba*	Non-native	25.1	1	6.5	Low	Fair	One sided crown with lean over Lakeshore Rd, remaining crown full, minimal staining in included bark branch union.
603	Scots Pine	*Pinus sylvestris*	Non-native	26.1	1	3.5	Medium	Poor	Sparse, narrow crown, competing with adjacent trees.
604	White Spruce	*Picea glauca*	Native	36.4	1	2.5	Medium	Fair	Some crown dieback, competing with adjacent mulberry.
605	White Spruce	*Picea glauca*	Native	46.0	1	4.0	Medium	Fair	One sided crown, minimal dieback.
606	White Spruce	*Picea glauca*	Native	42.7	1	4.0	Low	Good	Relatively solid stem, slightly unbalanced due to adjacent tree, otherwise good condition.
607	English Yew	*Taxus baccata*	Non-native	13.9	1	4.0	Low	Good	Minimal dieback, growing beneath spruce tree.
608	White Spruce	*Picea glauca*	Native	24.9	1	3.5	Medium	Fair	Upper crown sparse, some crown dieback, competing with adjacent trees.
609	White Spruce	*Picea glauca*	Native	35.3	1	3.5	Medium	Fair	Some small limb dieback, crown dieback, stem still relatively solid.
610	Scots Pine	*Pinus sylvestris*	Non-native	19.8	1	3.5	Medium	Fair	Sparse, unbalanced crown, sapsucker feeding, competing with adjacent trees.
611	Colorado Spruce	*Picea pungens*	Non-native	63.0	1	4.5	Medium	Fair	Large tree with long drooping branches, main stem relatively solid, close to house.
612	Scots Pine	*Pinus sylvestris*	Non-native	51.0	1	6.5	Medium	Fair	One sided crown with lean over road, woodpecker damage, old prune cuts not compartmentalized.
613	Colorado Spruce	*Picea pungens*	Non-native	33.9	1	3.0	Medium	Fair	Tall, over mature, stem relatively solid, some crown thinning.
614	Colorado Spruce	*Picea pungens*	Non-native	31.8	1	2.0	Medium	Fair	Tall, over mature, small girdling root.
615	Colorado Spruce	*Picea pungens*	Non-native	32.2	1	3.2	Medium	Fair	Tall, over mature, slightly unbalanced crown, stem relatively solid.
616	Norway Spruce	*Picea abies*	Non-native	59.2	1	6.0	Medium	Fair	Large, widespread crown, stem relatively solid, some crown thinning.
617	Honey Locust	*Gleditsia triacanthos* var. *inermis*	Non-native	59.6	1	10.0	Low	Good	Slightly unbalanced crown, minimal dieback, otherwise relatively solid.
618	Honey Locust	*Gleditsia triacanthos* var. *inermis*	Non-native	57.7	1	10.0	Low	Good	Widespread crown, minimal dieback, stem relatively solid.
619	Scots Pine	*Pinus sylvestris*	Non-native	47.1	1	7.5	Medium	Fair	One sided crown, relatively solid stem, full crown, some sapsucker feeding.
620	Colorado Spruce	*Picea pungens*	Non-native	39.4	1	3.0	Low	Fair	Some crown dieback, but relatively solid stem.
621	Colorado Spruce	*Picea pungens*	Non-native	34.8	1	3.0	Low	Fair	Slightly unbalanced crown due to competition with adjacent tree, minimal dieback.
622	White Pine	*Pinus strobus*	Native	70.9	4	11.0	Low	Good	Large, mature tree leading to failure rating. Solid stem with relatively full crown.
623	Colorado Spruce	*Picea pungens*	Non-native	25.0	1	2.5	Medium	Fair	Reduced crown due to competition with adjacent trees, heavy seed production, some crown dieback.
624	Colorado Spruce	*Picea pungens*	Non-native	36.5	1	2.5	Medium	Fair	Heavy seed production, some crown dieback.
625	Freeman's Maple	*Acer X freemanii*	Native	99.7	1	7.0	Medium	Fair	One large limb with staining, small girdling root, slightly unbalanced crown, some small limb dieback.
626	White Cedar	*Thuja occidentalis*	Native	20.5	4	3.5	Low	Good	Hedgerow tree, slightly unbalanced crown, but otherwise good condition.
627	European Larch	*Larix decidua*	Non-native	36.0	1	4.0	High	Poor	Narrow, one sided crown, limb dieback.
628	European Larch	*Larix decidua*	Non-native	32.6	1	2.0	High	Poor	Narrow, sparse crown, some staining on main stem.
629	European Larch	*Larix decidua*	Non-native	24.8	1	1.0	High	Poor	Narrow, sparse crown, no lower growth.
630	Norway Maple	*Acer platanoides*	Non-native	100.3	1	11.0	Medium	Fair	Large, widespread crown, growing around wires, some crown dieback, old prune cut healing.
631	Serviceberry Species	*Amelanchier* sp.	Non-native	16.7	10	6.0	Medium	Fair	Some crown dieback, a few stems with frost cracks and insect feeding.
632	White Cedar	*Thuja occidentalis*	Native	27.7	2	3.5	Low	Good	Full crown, minimal dieback.
633	White Cedar	*Thuja occidentalis*	Native	19.7	4	2.5	Low	Good	Minimal yellowing, full crown.
634	White Cedar	*Thuja occidentalis*	Native	16.7	1	2.5	Medium	Fair	One sided crown, some crown dieback, growing on 5 degree angle.
635	Sugar Maple	*Acer saccharum*	Native	92.6	1	8.0	Medium	Fair	Some staining on root flare, minimal dieback, scaffold limb could be pruned, slightly unbalanced crown.
636	Freeman's Maple	*Acer X freemanii*	Native	71.0	1	9.0	Medium	Fair	Some woodpecker damage, crown relatively full, slightly unbalanced crown as there used to be an adjacent tree.
637	Sugar Maple	*Acer saccharum*	Native	62.4	1	8.0	Medium	Fair	Slightly unbalanced crown due to adjacent tree, minimal dieback, relatively solid stem.
638	Sugar Maple	*Acer saccharum*	Native	80.2	1	7.0	Medium	Fair	Slightly unbalanced crown due to adjacent tree, staining under one scaffold branch, relatively healthy crown.
639	White Spruce	*Picea glauca*	Native	42.6	1	4.0	Medium	Fair	Heavy seed production, lower limb dieback.
640	White Cedar	*Thuja occidentalis*	Native	14.1	1	1.5	Medium	Poor	Sparse, narrow crown.
641	Norway Spruce	*Picea abies*	Non-native	49.0	1	2.5	Medium	Fair	Unbalanced crown, somewhat sparse.
642	Norway Spruce	*Picea abies*	Non-native	21.7	1	2.5	Medium	Poor	One sided crown, sparse, missing top.
643	White Pine	*Pinus strobus*	Native	56.6	1	6.0	Low	Good	Slightly unbalanced crown due to adjacent tree, otherwise relatively healthy.
644	White Pine	*Pinus strobus*	Native	43.5	1	8.0	High	Poor	Previous branch failures, one sided crown, dieback.
645	English Yew	*Taxus baccata*	Non-native	20.0	1	3.0	Medium	Fair	Failed branches from pine on top of crown, small stress cracks with staining.
646	Colorado Spruce	*Picea pungens*	Non-native	24.7	1	3.5	High	Poor	Some staining on root flare, sparse, narrow crown.
647	Colorado Spruce	*Picea pungens*	Non-native	23.4	1	3.0	High	Very Poor	Sparse crown, lower limb dieback, heavy seed production.
648	Colorado Spruce	*Picea pungens*	Non-native	22.9	1	2.5	High	Poor	Sparse crown, dieback, yellowing.
649	Colorado Spruce	*Picea pungens*	Non-native	27.0	1	3.5	High	Poor	Unbalanced crown due to adjacent trees, crown dieback, stress cracks on main stem, evidence of insect feeding.
650	Colorado Spruce	*Picea pungens*	Non-native	17.8	1	2.0	High	Poor	Narrow, sparse crown, dieback.
651	English Yew	*Taxus baccata*	Non-native	17.3	1	3.5	Low	Good	Growing under adjacent spruce trees; however, relatively healthy.
652	Colorado Spruce	*Picea pungens*	Non-native	35.0	1	4.0	Medium	Fair	Slightly narrow crown due to adjacent trees, minimal dieback, relatively solid stem.
653	Colorado Spruce	*Picea pungens*	Non-native	22.3	1	3.5	Medium	Fair	Some crown dieback, unbalanced crown due to adjacent tree.
654	Colorado Spruce	*Picea pungens*	Non-native	39.4	1	3.5	Medium	Fair	Light pruning in lower scaffold, stem relatively solid, some crown dieback.
655	Colorado Spruce	*Picea pungens*	Non-native	35.5	1	2.5	Medium	Fair	One sided crown, crown dieback, lower limb dieback.
656	Colorado Spruce	*Picea pungens*	Non-native	25.2	1	2.5	High	Poor	Extensive dieback.
657	Colorado Spruce	*Picea pungens*	Non-native	25.9	1	3.0	Medium	Fair	One sided crown due to adjacent trees, some crown dieback.
658	Colorado Spruce	*Picea pungens*	Non-native	20.9	1	2.0	High	Poor	Relatively extensive dieback, evidence of woodpecker damage.
659	Colorado Spruce	*Picea pungens*	Non-native	24.0	1	1.0	High	Poor	Relatively extensive dieback, evidence of insect feeding.
660	Colorado Spruce	*Picea pungens*	Non-native	15.6	1	2.0	High	Poor	Relatively extensive dieback, girdling root.
661	White Mulberry	*Morus alba*	Non-native	19.4	1	3.0	Medium	Fair	Poor reception, crown growing around wires, slight lean, one sided crown.
662	Colorado Spruce	*Picea pungens*	Non-native	17.3	1	2.0	High	Poor	Extensive dieback.
663	Colorado Spruce	*Picea pungens*	Non-native	24.8	1	1.3	High	Very Poor	Extensive dieback, crown draped in grape.
664	Colorado Spruce	*Picea pungens*	Non-native	20.9	1	1.5	High	Very Poor	Extensive dieback, draped in grape.
665	Colorado Spruce	*Picea pungens*	Non-native	14.4	1	0.5	High	Very Poor	Very little crown remaining, almost dead.
666	Colorado Spruce	*Picea pungens*	Non-native	30.4	1	2.5	High	Very Poor	Almost dead.
667	Colorado Spruce	*Picea pungens*	Non-native	30.3	1	3.0	High	Poor	Almost dead, draped in grape.
668	Colorado Spruce	*Picea pungens*	Non-native	27.1	1	2.5	High	Poor	Extensive dieback, draped in grape.
669	Norway Spruce	*Picea abies*	Non-native	35.3	1	3.0	Medium	Fair	Some stress cracks on main stem, some dieback in lower scaffold.
670	Colorado Spruce	*Picea pungens*	Non-native	35.2	1	3.0	Medium	Fair	Draped in grape, slightly unbalanced crown due to adjacent tree, some crown dieback.
671	European Beech	*Fagus sylvatica*	Non-native	80.2	1	11.0	Low	Good	Full, vigorous crown, small girdling root, main stem relatively solid.
672	English Yew	*Taxus baccata*	Non-native	10.6	1	2.5	Low	Good	Along fence under spruce trees.
673	Austrian Pine	*Pinus nigra*	Non-native	55.8	1	4.0	High	Very Poor	Large limb dieback, crown dieback.
674	Colorado Spruce	*Picea pungens*	Non-native	17.5	1	1.5	Medium	Poor	One sided crown, some crown dieback.
675	Austrian Pine	*Pinus nigra*	Non-native	32.9	1	3.0	High	Very Poor	Extensive dieback, woodpecker damage.
676	Colorado Spruce	*Picea pungens*	Non-native	33.1	1	3.0	Medium	Poor	Lower limb dieback, crown dieback, main stem still relatively solid.
677	Colorado Spruce	*Picea pungens*	Non-native	28.6	1	3.5	High	Poor	Limb and crown dieback, main stem still relatively solid.
678	Black Cherry	*Prunus serotina*	Native	20.2	1	2.3	Low	Good	Slightly narrowed crown due to adjacent trees, otherwise healthy.
679	Colorado Spruce	*Picea pungens*	Non-native	21.1	1	1.0	Medium	Poor	Sparse, narrow crown, main stem relatively solid.
680	Colorado Spruce	*Picea pungens*	Non-native	29.6	1	2.5	Medium	Fair	Growing on slight lean, one sided crown, some crown dieback.
681	Norway Maple	*Acer platanoides*	Non-native	81.0	1	11.0	Medium	Fair	Main stem declining (on verge of poor condition), with small area of staining, one large scaffold branch in poor condition, tar spot, full crown.
682	Norway Maple	*Acer platanoides*	Non-native	97.5	1	7.0	Medium	Fair	Codominant branches with some staining in union, crown growing around wires, minimal dieback.
683	English Yew	*Taxus baccata*	Non-native	20.4	1	4.5	Low	Good	Growing beneath maples, otherwise relatively healthy.
684	White Pine	*Pinus strobus*	Native	30.5	1	1.0	Medium	Fair	Narrow crown limited to top due to adjacent tree, some woodpecker damage.
685	White Pine	*Pinus strobus*	Native	44.9	1	6.0	Medium	Fair	Some yellowing in needles, main stem relatively solid, some fill/yard waste higher on root flare.
686	White Pine	*Pinus strobus*	Native	40.5	1	5.0	Medium	Fair	One sided crown with some dieback.
687	White Pine	*Pinus strobus*	Native	26.8	1	3.0	Medium	Fair	One sided crown due to adjacent trees, main stem relatively solid.
688	White Pine	*Pinus strobus*	Native	61.4	1	6.0	Medium	Fair	One sided crown due to adjacent tree, some previous branch failure, some crown dieback.
689	Norway Maple	*Acer platanoides*	Non-native	96.4	1	10.0	Medium	Fair	Relatively solid stem, some crown dieback, history of branch failure.
690	Norway Spruce	*Picea abies*	Non-native	48.7	1	7.0	Medium	Fair	Main stem growing against wires, some limb dieback.
691	Dwarf Lilac	*Syringa pubescens*	Non-native	10.7	1	1.5	Low	Good	Manicured tree in garden, full crown.
692	Red Maple	*Acer rubrum*	Native	36.9	1	4.5	Medium	Fair	Some stress cracks on root flare, included bark in scaffold branches.
693	Douglas Fir	*Pseudotsuga menziesii*	Non-native	49.6	1	4.5	Medium	Fair	Insect feeding on main stem, some crown dieback.
694	Douglas Fir	*Pseudotsuga menziesii*	Non-native	45.0	1	4.5	Medium	Fair	Some crown dieback, stress crack on main stem with sap and some compartmentalization.
695	Yellow Cedar	*Chamaecyparis nootkatensis*	Non-native	14.5	1	3.0	Low	Fair	Competing with adjacent tree, minimal dieback.
696	Serviceberry Species	*Amelanchier* sp.	Non-native	11.7	3	2.0	Low	Fair	Minimal dieback, crowded out by adjacent trees.
697	Lilac	*Syringa vulgaris*	Non-native	11.9	18	2.0	Medium	Poor	Over mature, some stems dead and some with rot, growing against fence.
698	Norway Maple	*Acer platanoides*	Non-native	14.1	2	1.5	Low	Fair	Tar spot, growing on slope.
699	Staghorn Sumac	*Rhus hirta*	Native	14.0	1	2.0	High	Very Poor	Almost dead, bark cracks and uprooting, minimal crown.
701	English Yew	*Taxus baccata*	Non-native	11.5	11	3.0	Medium	Fair	Unbalanced crown, poor structure, shrub.
702	Colorado Spruce	*Picea pungens*	Non-native	25.6	1	1.5	Medium	Fair	Mostly one sided crown, some dieback.
703	Yellow Cedar	*Chamaecyparis nootkatensis*	Non-native	15.0	1	2.5	Low	Fair	Somewhat sparse, overall fair condition.
704	Horse Chestnut	*Aesculus hippocastanum*	Non-native	53.8	1	4.5	Medium	Fair	Some dieback, epicormic shoots, some sunken areas.
705	Norway Spruce	*Picea abies*	Non-native	24.1	1	1.5	High	Poor	Very reduced crown, dieback throughout and yellowing.
706	Norway Spruce	*Picea abies*	Non-native	23.1	1	1.5	High	Poor	Reduced and unbalanced crown.
707	Norway Spruce	*Picea abies*	Non-native	23.9	1	2.5	Medium	Fair	Mostly one sided crown and thinning.
708	Norway Spruce	*Picea abies*	Non-native	36.7	1	3.5	Medium	Fair	Some crown thinning and dieback, unbalanced crown.
709	Red Maple	*Acer rubrum*	Native	40.7	1	6.0	Medium	Fair	Girdled and exposed roots, some sunken areas.
710	Norway Spruce	*Picea abies*	Non-native	38.9	1	3.5	Medium	Fair	Unbalanced crown, some dieback and thinning.
711	Norway Spruce	*Picea abies*	Non-native	39.9	1	3.0	Medium	Fair	Slight unbalanced crown, prioritized upward growth, slightly reduced crown.
712	Norway Spruce	*Picea abies*	Non-native	52.0	1	3.5	Medium	Fair	Unbalanced and heavy crown, dieback and thinning, overarching branches.
713	Norway Spruce	*Picea abies*	Non-native	47.8	1	3.5	Low	Fair	Sparse crown and some dieback, slight unbalanced crown.
714	Norway Spruce	*Picea abies*	Non-native	41.1	1	3.5	Medium	Fair	One sided crown, some dieback.
715	European Spindle Tree	*Euonymus europaeus*	Non-native	15.6	2	2.5	Medium	Fair	Unbalanced crown, growing on slope, lean, roots girdled with adjacent *Juglans X*, some dieback.
716	European Beech	*Fagus sylvatica*	Non-native	12.5	1	3.0	Medium	Fair	Unbalanced crown, some dieback.
717	European Beech	*Fagus sylvatica*	Non-native	12.5	1	2.5	Medium	Fair	One sided crown, some dieback.
718	White Pine	*Pinus strobus*	Native	66.0	1	0.0	High	Dead	Snag, no top.
719	White Elm	*Ulmus americana*	Native	20.2	2	2.5	High	Very Poor	Mostly dead, lean, growing on slope, one stem less than 10cm dbh.
720	Norway Maple	*Acer platanoides*	Non-native	17.0	1	3.0	Low	Fair	Some "S" bend in stem, growing on slope, tar spot.
721	Norway Maple	*Acer platanoides*	Non-native	18.4	2	2.5	Medium	Fair	One sided crown, some sunken areas, 1 stem with frass, 2 stems joined at root flare.

Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
722	White Pine	*Pinus strobus*	Native	55.5	1	3.0	High	Poor	Bark cracks, large amount of carpenter ant frass/galleries in stem, sunken areas, dieback, yellowing, poor structure.
723	European Beech	*Fagus sylvatica*	Non-native	15.2	1	2.5	Medium	Fair	Unbalanced crown, some dieback, some damage to root flare, bark cracks, some decay in knot hole.
724	Norway Maple	*Acer platanoides*	Non-native	14.4	1	3.0	Low	Fair	Growing on slope, unbalanced crown, tar spot.
725	American Basswood	*Tilia americana*	Native	50.5	1	6.0	High	Poor	Carpenter ant frass and galleries at root flare opening, bark cracks, dieback, growing out of slope.
726	Norway Maple	*Acer platanoides*	Non-native	11.0	1	3.0	Medium	Fair	Growing on slope, leader leaning, poor structure, tar spot.
727	Norway Maple	*Acer platanoides*	Non-native	27.8	1	3.5	High	Dead	Scaffolds remain.
728	Norway Maple	*Acer platanoides*	Non-native	16.8	1	3.5	Medium	Fair	Poor structure, phototrophic lean, exposed roots, growing on slope.
729	Eastern Hemlock	*Tsuga canadensis*	Native	11.3	1	3.0	Low	Fair	Unbalanced crown, growing on slope.
730	Yellow Birch	*Betula alleghaniensis*	Native	84.8	1	8.0	High	Poor	Large codominant branches with included bark, frass at base, old branches with decay, poor structure, some dieback, large stem with decay and cavity.
731	Eastern Hemlock	*Tsuga canadensis*	Native	12.0	1	2.5	Low	Fair	Sparse crown due to competing trees.
732	Eastern Hemlock	*Tsuga canadensis*	Native	11.6	1	2.5	Low	Fair	Unbalanced crown, growing on slope, exposed roots.
733	Eastern Hemlock	*Tsuga canadensis*	Native	13.7	1	2.0	Low	Fair	Unbalanced crown, growing into adjacent yellow birch.
734	Norway Spruce	*Picea abies*	Non-native	60.6	1	4.5	Medium	Fair	Reduced and unbalanced crown.
735	Norway Spruce	*Picea abies*	Non-native	37.1	1	3.0	Medium	Fair	Reduced and unbalanced crown.
736	Norway Spruce	*Picea abies*	Non-native	37.4	1	2.0	High	Poor	Very reduced crown, unbalanced crown, growing on slope.
737	Norway Spruce	*Picea abies*	Non-native	23.0	1	1.5	High	Very Poor	One sided crown, minimal crown left.
738	Norway Spruce	*Picea abies*	Non-native	55.0	1	4.0	Medium	Fair	Lean, large codominant branches, heavy load, root flare with response growth, growing on slope.
739	Norway Spruce	*Picea abies*	Non-native	23.2	1	1.5	High	Poor	One sided, top dead due to competing trees, heavily pruned for wires.
740	Norway Spruce	*Picea abies*	Non-native	22.6	1	2.0	High	Poor	One sided, heavily pruned for wires, upper crown in heavy decline.
741	Norway Spruce	*Picea abies*	Non-native	19.5	1	2.0	High	Dead	Peeling bark.
742	White Pine	*Pinus strobus*	Native	43.7	1	4.5	Medium	Fair	One sided crown, growing on slope, some dieback.
743	Norway Spruce	*Picea abies*	Non-native	32.8	1	1.5	High	Poor	Very reduced crown, unbalanced crown, some bulges on stem near base.
744	Norway Spruce	*Picea abies*	Non-native	47.3	1	4.0	Medium	Fair	One sided crown, some dieback and yellowing, garden groundcover surrounding root zone.
745	Norway Spruce	*Picea abies*	Non-native	48.7	1	4.5	Medium	Fair	Some thinning in lower crown, some yellowing, vines around base and stem.
746	Norway Spruce	*Picea abies*	Non-native	26.0	1	2.5	High	Poor	Very reduced crown, thinning , and dieback.
747	Norway Spruce	*Picea abies*	Non-native	52.9	1	5.0	Medium	Fair	Slight unbalanced crown, thinning, dieback, vines around base and slightly up stem.
748	Norway Spruce	*Picea abies*	Non-native	49.8	1	4.0	Medium	Fair	Unbalanced crown, small girdled roots, some dieback.
749	Norway Spruce	*Picea abies*	Non-native	48.3	1	4.0	Medium	Fair	Large roots extending down slope, unbalanced crown, some thinning and dieback.
750	Norway Spruce	*Picea abies*	Non-native	50.9	1	4.0	Medium	Fair	Large roots extending down slope, some thinning and yellowing.
751	English Yew	*Taxus baccata*	Non-native	15.2	1	3.0	Low	Fair	On property line, no leader, some thinning.
752	English Yew	*Taxus baccata*	Non-native	13.1	2	3.0	Low	Fair	Just inside property line, poor form.
753	English Yew	*Taxus baccata*	Non-native	15.0	1	2.0	Medium	Fair	Reduced crown due to tight spacing with other yews.
754	English Yew	*Taxus baccata*	Non-native	11.5	3	3.0	Medium	Fair	Unbalanced crown, reduced crown due to tight spacing of trees.
755	White Spruce	*Picea glauca*	Native	26.4	1	3.0	Medium	Fair	Unbalanced crown, some dieback, and yellowing.
756	European Larch	*Larix decidua*	Non-native	34.3	1	3.0	Medium	Fair	Sparse crown, some dieback, elevated crown.
757	White Mulberry	*Morus alba*	Non-native	15.9	1	3.5	Medium	Fair	Unbalanced crown, poorly pruned, stem with curve.
758	White Spruce	*Picea glauca*	Native	17.3	1	1.0	High	Poor	Very reduced crown, sparse throughout due to competing trees.
759	White Spruce	*Picea glauca*	Native	33.8	1	3.5	Medium	Fair	Extreme one sided crown with heavy load, some dieback, poor shape but in fair condition.
760	White Spruce	*Picea glauca*	Native	22.7	1	2.5	Medium	Fair	One sided crown, otherwise vigorous.
761	White Spruce	*Picea glauca*	Native	25.0	1	2.5	High	Poor	Reduced and unbalanced crown.
762	White Spruce	*Picea glauca*	Native	19.0	1	2.0	Medium	Fair	Unbalanced crown, otherwise vigorous.
763	White Spruce	*Picea glauca*	Native	14.2	1	1.0	High	Poor	Very reduced crown and thinning.
764	White Spruce	*Picea glauca*	Native	14.6	1	1.0	Medium	Fair	Reduced crown, but relatively full crown for size.
765	White Spruce	*Picea glauca*	Native	25.4	1	3.5	Medium	Fair	Unbalanced crown, some thinning, and dieback.
766	White Spruce	*Picea glauca*	Native	21.1	1	2.5	Medium	Poor	Unbalanced crown, thinning, and dieback.
767	White Spruce	*Picea glauca*	Native	18.1	1	1.5	Medium	Poor	Reduced crown, some thinning.
768	White Spruce	*Picea glauca*	Native	23.3	1	2.5	Medium	Fair	One sided and reduced crown, grape in crown.
769	White Cedar	*Thuja occidentalis*	Native	20.8	1	1.5	Medium	Fair	Twisted codominant branches with included bark, some yellowing, thinning.
770	English Yew	*Taxus baccata*	Non-native	19.7	1	2.5	Low	Fair	Grape in crown, some sparseness.
771	Austrian Pine	*Pinus nigra*	Non-native	47.0	1	4.0	Medium	Fair	Unbalanced and reduced crown, some dieback, adjacent to house.
772	Austrian Pine	*Pinus nigra*	Non-native	35.7	1	3.0	Medium	Fair	One sided crown, some thinning and dieback.
773	Austrian Pine	*Pinus nigra*	Non-native	57.8	1	4.0	High	Poor	Large codominant branches with included bark, vine growing up stem, dieback and yellowing throughout.
774	Red Maple	*Acer rubrum*	Native	47.9	1	4.5	Low	Fair	Codominant branches with included bark, girdled roots, poor form, minimal dieback, gypsy moth egg mass.
775	Red Oak	*Quercus rubra*	Native	71.8	1	4.5	Low	Good	Minimal dieback, gypsy moth feeding (shot holes) in foliage, otherwise vigorous.
776	Chinese Chestnut	*Castanea mollissima*	Non-native	21.2	1	4.0	Medium	Poor	Extensive damage to root flare, bark cracks, some dieback, epicormic shoots.
777	Chinese Chestnut	*Castanea mollissima*	Non-native	35.1	1	2.5	Low	Fair	Some staining at root flare, small decayed branch, some dieback.
778	Yellow Birch	*Betula alleghaniensis*	Native	90.0	2	6.0	Medium	Fair	Burlington Horticultural Society Honour Roll Plaque posted on tree, large tree with some evidence of decay and history of branch failure, some dieback, located on other side of fence, but on the property.
779	Scots Pine	*Pinus sylvestris*	Non-native	38.9	1	3.5	Medium	Fair	Poor form, some dieback, thinning, sapsucker feeding.
780	Douglas Fir	*Pseudotsuga menziesii*	Non-native	39.3	1	3.0	Medium	Fair	Mostly one sided with some dieback.
781	Norway Spruce	*Picea abies*	Non-native	47.0	1	4.5	Low	Fair	Some gaps between branches, otherwise vigorous.
782	Scots Pine	*Pinus sylvestris*	Non-native	32.6	1	3.5	High	Very Poor	Tree mostly dead.
783	Norway Spruce	*Picea abies*	Non-native	49.9	1	4.0	Medium	Fair	Unbalanced crown, some wilting and dieback, some gaps between branches.
784	White Mulberry	*Morus alba*	Non-native	17.7	9	4.0	Medium	Fair	Unbalanced crown, codominant stems with included bark and some staining, some dieback.
785	White Cedar	*Thuja occidentalis*	Native	16.3	5	1.5	Low	Fair	Adjacent lilac growing into crown, resulting in some gaps in crown.
786	Staghorn Sumac	*Rhus hirta*	Native	12.5	1	1.0	High	Poor	Bark cracks, large open wound with poor compartmentalization and decay, dieback, and dead branches.
A	Black Willow	*Salix nigra*	Native	87.8	1	5.0	High	Poor	Mostly full crown, many roots exposed with damage, 45 degree lean, bottom of stem at root flare exposed, epicormic shoots, frass, carpenter ants at root flare.
B	Butternut Hybrid	*Juglans X*	Non-native	34.3	1	3.5	High	Poor	Unbalanced crown, top dead, lateral branches with foliage, large wound with decay, peeling bark, off-site.
C	Butternut Hybrid	*Juglans X*	Non-native	9.4	1	3.5	Low	Fair	Growing under lines, many small open cankers with some sooty cankers. Cankers indicate tree is in decline, even though currently contains full crown.
D	Butternut Hybrid	*Juglans X*	Non-native	77.9	1	6.5	High	Poor	Large cavity on stem, girdled roots, frass and carpenter ants, dieback and history of branch failure, butternut canker present, calloused split near fork with staining.
E	Butternut Hybrid	*Juglans X*	Non-native	35.2	3	6.0	High	Poor	Carpenter ants, frass, old large prune cuts with decay/staining, butternut canker present, dieback and history of branch failure, growing under lines.
F	Butternut Species	*Juglans* sp.	Native	21.0	1	4.0	High	Poor	Unbalanced crown, dieback, history of branch failure, phototrophic lean. Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
G	Norway Maple	*Acer platanoides*	Non-native	12.6	1	2.0	Low	Fair	Phototrophic lean, tar spot, unbalanced crown.
H	Colorado Spruce	*Picea pungens*	Non-native	32.0	1	3.5	Low	Good	Pruned, on private property.
I	Sugar Maple	*Acer saccharum*	Native	36.0	1	4.0	Medium	Fair	Stem relatively solid, elevated pruning for wires, some crown dieback.
J	Black Walnut	*Juglans nigra*	Native	70.0	1	9.0	Medium	Fair	Growing around wires, slight unbalanced crown with some dieback.
K	Black Walnut	*Juglans nigra*	Native	64.0	1	11.0	Medium	Fair	Growing around wires, some crown thinning.
L	Freeman's Maple	*Acer X freemanii*	Native	115.0	1	15.0	Medium	Fair	Growing around wires, codominant branches with included bark, wide spread crown, some dieback.
M	Japanese Maple	*Acer palmatum*	Non-native	15.0	5	5.0	Low	Good	Growing around wires, full wide crown, behind fence.
N	White Spruce	*Picea glauca*	Native	29.1	1	3.0	Medium	Poor	Reduced crown due to adjacent trees, sparse crown, behind fence.
O	White Spruce	*Picea glauca*	Native	33.5	1	3.5	Medium	Fair	Some crown dieback, stem relatively solid, behind fence.
P	White Spruce	*Picea glauca*	Native	33.5	1	4.0	Medium	Fair	Some crown thinning, stem relatively solid, behind fence.
Q	White Spruce	*Picea glauca*	Native	28.0	1	3.2	Medium	Fair	Heavy seed production, some crown thinning, stem relatively solid.
R	Ginkgo	*Ginkgo biloba*	Non-native	70.0	1	6.5	Medium	Fair	Large codominant stems fused together at breast height, calloused wounds, some canker on scaffold branches, some dieback and reduced leaf size.
S	Red Maple	*Acer rubrum*	Native	25.0	4	6.0	Medium	Fair	In private garden, some dieback, wilting, anthracnose spots, some bark cracks.
T	Pear	*Pyrus communis*	Non-native	15.0	1	2.0	Medium	Fair	Pear scab/rust on leaves, some wilting, vines growing in crown.
U	Weeping Willow	*Salix alba* var. *vitellina*	Non-native	190.0	1	8.5	High	Poor	Large amount of decay with carpenter ants and frass, dieback and some wilting, epicormic shoots, extensive cankers, large codominant stems with included bark, lean, unbalanced crown.
V	American Basswood	*Tilia americana*	Native	14.9	3	3.0	Medium	Fair	Unbalanced crown, growing through fence, codominant stems with included bark, epicormic shoots, competing with willow, top dead.
W	Cherry Species	*Prunus* sp.	Non-native	11.8	3	2.5	Medium	Fair	Some dieback and defoliation, growing adjacent to fence, calloused bark splits.
X	Butternut Hybrid	*Juglans X*	Non-native	30.0	1	4.5	Medium	Poor	Vigorous crown; however, butternut canker present.
Y	Norway Maple	*Acer platanoides*	Non-native	21.2	1	4.5	Medium	Fair	Unbalanced crown, leaning over driveway, history of branch failure, unbalanced crown, tar spot.
Z	Cherry Species	*Prunus* sp.	Non-native	21.0	1	3.5	High	Poor	Dieback throughout, unbalanced crown, competing with adjacent Norway maple, blister-like cankers on bark.
AA	Black Locust	*Robinia pseudo-acacia*	Non-native	28.0	1	3.0	Medium	Fair	Off property, some leaf defoliation, crown dieback.
BB	Trembling Aspen	*Populus tremuloides*	Native	22.2	1	3.0	Medium	Fair	Off property, growing on slope, unbalanced crown, some crown dieback.
CC	English Yew	*Taxus baccata*	Non-native	19.4	1	4.0	Low	Fair	Minimal dieback, just off property.
DD	Butternut Species	*Juglans* sp.	Native	35.1	2	5.5	Medium	Fair	Off property, no leaves remaining, appears to have minimal dieback. Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
EE	White Mulberry	*Morus alba*	Non-native	23.7	1	4.5	Low	Fair	Off property, minimal dieback, competing with adjacent trees.
FF	Eastern Cottonwood	*Populus deltoides*	Native	45.0	1	5.0	Medium	Fair	Along break wall, crack on main stem with some compartmentalization.
GG	Green Ash	*Fraxinus pennsylvanica*	Native	32.0	1	3.0	Medium	Fair	Growing immediately adjacent to break wall, narrow root flare, crown beneath adjacent tree.
HH	Eastern Cottonwood	*Populus deltoides*	Native	84.0	1	6.5	Medium	Fair	Large crack up main stem with some compartmentalization, relatively full crown.
II	Norway Maple	*Acer platanoides*	Non-native	31.2	1	4.5	Medium	Fair	Growing on slope, just outside property line, poor form, unbalanced crown.
JJ	Black Locust	*Robinia pseudo-acacia*	Non-native	46.6	1	3.5	High	Poor	Large amount of decay in root flare, frass, staining, dieback and thinning.
KK	White Birch	*Betula papyrifera*	Native	20.0	1	1.5	Medium	Fair	History of branch failure, some dieback and thinning.
LL	Freeman's Maple	*Acer X freemanii*	Native	45.0	3	5.0	Medium	Fair	Grape in upper stem, some history of branch failure, and some dieback.
Polygon 1	White Cedar	*Thuja occidentalis*	Native	10.0-20.0	46	1.5-2.0	Medium	Fair	Densely planted hedge of cedars. The diameter of most trees are within the 12-15cm DBH range.

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APPENDIX I
Tree Inventory Data

105 Avondale Court and 143 Bluewater Place, Burlington - Tree Inventory
Appendix I: Tree Inventory Data

Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
501	Butternut Hybrid	*Juglans X*	Non-native	28.0	2	6.0	Low	Good	Unbalanced crown, some defoliation, and dieback, mostly due to competition; otherwise, vigorous.
502	Butternut Species	*Juglans* sp.	Native	55.2	1	8.0	Medium	Fair	Some dieback, growing on slope, phototrophic lean, history of branch failure, some frass near root flare, some staining (not butternut canker). Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
503	Butternut Species	*Juglans* sp.	Native	50.5	1	10.0	Medium	Fair	Some dieback and history of branch failure. Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
504	Scots Pine	*Pinus sylvestris*	Non-native	29.1	1	3.0	Medium	Fair	Unbalanced crown, stem with "S" bend, sapsucker feeding, vines up stem, competition with adjacent trees.
505	Norway Maple	*Acer platanoides*	Non-native	20.7	1	3.5	Medium	Fair	Reduced crown due to competition with other trees, some staining, bark split with good compartmentalization, ivy ground around root zone and up stem.
506	Scots Pine	*Pinus sylvestris*	Non-native	31.5	1	3.0	Medium	Poor	Poor structure, crown thinning and dieback, extensive ivy up stem.
507	Scots Pine	*Pinus sylvestris*	Non-native	29.6	1	2.5	High	Very Poor	Most of crown dead, extensive ivy up stem.
508	Scots Pine	*Pinus sylvestris*	Non-native	32.2	1	3.0	High	Dead	Located between the fence and watercourse.
509	Butternut Species	*Juglans* sp.	Native	34.4	1	6.0	Low	Fair	Minimal evidence of butternut canker, some reduced crown, shade pruning, some dieback due to competition with adjacent trees, otherwise vigorous. Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
510	American Basswood	*Tilia americana*	Native	24.5	1	4.0	Low	Fair	Unbalanced crown, defoliation, phototrophic lean, ivy growing around root zone.
511	Norway Maple	*Acer platanoides*	Non-native	19.7	1	4.0	Low	Fair	Growing on slope, phototrophic lean, unbalanced crown, ivy growing around stem, tar spot.
512	American Basswood	*Tilia americana*	Native	13.3	1	3.0	Medium	Fair	Growing on slope, strong phototrophic lean away from creek, unbalanced crown.
513	American Basswood	*Tilia americana*	Native	14.9	1	3.0	Medium	Fair	Strong phototrophic lean, growing on slope, unbalanced crown, ivy growing around base.
514	Norway Maple	*Acer platanoides*	Non-native	11.7	1	1.0	High	Dead	
515	Silver Maple	*Acer saccharinum*	Native	83.5	3	15.0	Medium	Fair	Growing on slope, crown hanging over both properties, sunken bark, history of branch failure, some dieback.
516	White Ash	*Fraxinus americana*	Native	11.6	1	2.0	Medium	Poor	Dieback, early leaf drop.
517	White Ash	*Fraxinus americana*	Native	15.9	1	2.5	Medium	Fair	Mostly one sided crown, some dieback.
518	Norway Maple	*Acer platanoides*	Non-native	55.5	1	7.0	High	Poor	Cavity with carpenter ants and frass, lean, girdled root, staining, exposed root, dieback, and tar spot.
519	Hawthorn Species	*Crataegus* sp.	Native	17.4	1	3.0	Medium	Fair	Some dieback, but likely some due to shading, seams near root flare from old fused stems, lean, unbalanced crown.
520	Colorado Spruce	*Picea pungens*	Non-native	11.7	1	1.5	Medium	Fair	One side extensive dieback due to shading, otherwise fair condition.
521	Black Walnut	*Juglans nigra*	Native	25.6	1	4.5	Low	Good	Minimal dieback and defoliation, otherwise vigorous.
522	Colorado Spruce	*Picea pungens*	Non-native	21.2	1	3.0	Low	Fair	Unbalanced crown and shade pruning.
523	Serviceberry Species	*Amelanchier* sp.	Non-native	10.9	1	2.5	Medium	Fair	Bulging root flare, large calloused wound with decay, bark cracks on stem and scaffold branches.
524	Colorado Spruce	*Picea pungens*	Non-native	10.2	1	2.0	Low	Good	Minimal dieback and thinning, otherwise vigorous.
524	Eastern Cottonwood	*Populus deltoides*	Native	39.0	1	4.0	Medium	Fair	Leaning towards water, upper crown broken, potential to prune away broken limb.
526	Norway Spruce	*Picea abies*	Non-native	48.8	1	6.0	Low	Good	Minor dieback, otherwise vigorous.
527	Norway Spruce	*Picea abies*	Non-native	44.2	1	4.5	Low	Good	Some crown thinning for lines, but overall vigorous.
528	American Basswood	*Tilia americana*	Native	15.2	1	3.0	Medium	Fair	Poor leader structure, phototrophic lean, some dieback, unbalanced crown.
529	White Elm	*Ulmus americana*	Native	24.3	1	3.0	High	Dead	Peeling bark, unbalanced crown.
530	Butternut Hybrid	*Juglans X*	Non-native	37.3	1	9.0	Low	Good	Phototrophic lean, growing on slope.
531	Eastern Hemlock	*Tsuga canadensis*	Native	16.1	1	2.5	Low	Good	Minor dieback, otherwise vigorous.
532	Balsam Poplar	*Populus balsamifera*	Native	45.1	1	5.0	Medium	Poor	Dieback and history of branch failure, extensive epicormic, spots on leaves, some peeling bark, some sunken bark areas indicative of decay.
533	Norway Spruce	*Picea abies*	Non-native	50.8	1	6.0	Medium	Fair	Some history of branch failure, crown thinning, sparse sections, some dieback, unbalanced crown.
534	Norway Spruce	*Picea abies*	Non-native	13.2	1	2.0	Medium	Poor	Reduced crown due to competition with other species.
535	Balsam Poplar	*Populus balsamifera*	Native	41.3	1	4.5	High	Poor	Large open canker with decay/mushroom, peeling bark on root flare, girdled roots, dieback, history of branch failure, leaf spots, unbalanced crown.
536	Linden	*Tilia cordata*	Non-native	12.8	1	2.5	Medium	Fair	Lean, foliage feeding, slight unbalanced crown , growing adjacent to rip rap and on slope.
537	White Spruce	*Picea glauca*	Native	40.9	1	4.0	Medium	Fair	Reduced and unbalanced crown, root flare with exposed large roots on east side.
538	Norway Spruce	*Picea abies*	Non-native	39.8	1	4.0	Medium	Fair	Some dieback, thinning, history of branch failure, but relatively vigorous, exposed roots on west side.
539	Colorado Spruce	*Picea pungens*	Non-native	13.5	1	1.5	High	Poor	Very reduced crown, lean, growing on slope, competing with adjacent trees, dieback.
540	Colorado Spruce	*Picea pungens*	Non-native	22.2	1	3.5	High	Poor	Reduced and unbalanced crown, dieback, competing with adjacent trees.
541	Colorado Spruce	*Picea pungens*	Non-native	18.9	1	2.5	High	Dead	
542	White Birch	*Betula papyrifera*	Native	17.1	2	4.0	Medium	Fair	Codominant stems with included bark, some dieback and defoliation, history of branch failure, large calloused split, some staining.
543	Ginkgo	*Ginkgo biloba*	Non-native	35.2	1	4.0	Low	Good	Old wound on main stem healed, healthy crown.
544	Colorado Spruce	*Picea pungens*	Non-native	15.0	1	1.5	High	Very Poor	Crown extremely sparse, almost bare.
545	White Birch	*Betula papyrifera*	Native	25.2	4	3.5	Medium	Fair	Codominant stems, large exposed roots, unbalanced crown, some dieback and defoliation.
546	Colorado Spruce	*Picea pungens*	Non-native	28.7	1	3.5	High	Dead	Strong lean.
547	White Mulberry	*Morus alba*	Non-native	29.2	2	4.0	High	Poor	Large callousing wounds with decay, staining in multiple areas, dieback, spots on leaves.

105 Avondale Court and 143 Bluewater Place, Burlington - Tree Inventory
Appendix I: Tree Inventory Data

Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
548	European Larch	*Larix decidua*	Non-native	26.3	1	3.5	Medium	Poor	Dieback and thinning throughout.
549	American Beech	*Fagus grandifolia*	Native	12.6	1	3.0	Medium	Poor	Unbalanced crown, some anthracnose on leaves, cavity with carpenter ants and frass.
550	American Beech	*Fagus grandifolia*	Native	15.6	1	3.5	Medium	Poor	Small cavity with decay, desiccating leaves, deadwood.
551	White Birch	*Betula papyrifera*	Native	25.1	3	5.0	Low	Good	Codominant stems with included bark, minimal dieback, otherwise vigorous.
552	Eastern Cottonwood	*Populus deltoides*	Native	57.2	1	3.5	Medium	Fair	One sided crown toward water, growing adjacent to concrete retaining wall.
553	Eastern Cottonwood	*Populus deltoides*	Native	49.4	1	4.0	Low	Good	Relatively full crown, solid stem.
554	Eastern Cottonwood	*Populus deltoides*	Native	49.5	1	4.3	Low	Good	Relatively full, vigorous crown, growing close to fence.
555	Manitoba Maple	*Acer negundo*	Native	17.7	1	6.0	High	Poor	Growing around fence, crown growing on 45 degree angle down towards water.
556	White Cedar	*Thuja occidentalis*	Native	18.0	1	3.0	Medium	Fair	Crown dieback, one sided crown.
557	Norway Spruce	*Picea abies*	Non-native	36.8	1	5.3	Medium	Fair	Slight one sided crown, some dieback.
558	Norway Spruce	*Picea abies*	Non-native	30.5	1	4.0	Low	Fair	Slight one sided crown, some dieback.
559	American Basswood	*Tilia americana*	Native	62.7	3	9.0	Medium	Fair	Woodpecker damage, some insect feeding.
560	Redbud	*Cercis canadensis*	Native	21.3	1	6.0	Low	Good	Growing on 10 degree angle toward house, slight one sided crown, otherwise good condition.
561	European Beech	*Fagus sylvatica*	Non-native	33.3	1	4.3	Low	Good	Full crown, could benefit from light pruning.
562	European Beech	*Fagus sylvatica*	Non-native	35.6	1	6.0	Low	Good	Full, vigorous crown, growing on slope.
563	Norway Maple	*Acer platanoides*	Non-native	103.6	2	8.5	Medium	Fair	Full crown, included bark with minimal staining, exposed root flare, could benefit from scaffold pruning.
564	Norway Maple	*Acer platanoides*	Non-native	12.0	1	3.3	Low	Good	Slight unbalanced crown due to adjacent tree, growing on slope, solid stem.
565	White Pine	*Pinus strobus*	Native	64.4	1	3.5	Medium	Fair	History of branch failure, some scaffold dieback, main stem relatively solid.
566	English Yew	*Taxus baccata*	Non-native	18.5	1	3.0	Medium	Poor	One sided crown, crown dieback.
567	Sugar Maple	*Acer saccharum*	Native	53.7	1	6.5	Low	Good	Full crown, minimal staining on root flare.
568	Eastern Hemlock	*Tsuga canadensis*	Native	11.0	1	4.0	Low	Good	Competing with larger adjacent trees, otherwise healthy.
569	English Yew	*Taxus baccata*	Non-native	21.2	1	3.0	Medium	Poor	Growing on slight angle, crown dieback, some squirrel damage.
570	Norway Maple	*Acer platanoides*	Non-native	20.3	1	3.0	Low	Good	Relatively full crown, growing on slope.
571	American Basswood	*Tilia americana*	Native	33.8	2	2.8	Medium	Fair	Minimal woodpecker damage, epicormic growth, some crown dieback.
572	Eastern Hemlock	*Tsuga canadensis*	Native	13.2	1	3.5	Low	Good	Slightly stunted crown due to adjacent tree, otherwise healthy.
573	Red Oak	*Quercus rubra*	Native	80.0	1	11.0	Low	Good	Large, mature tree in good condition, old prune cuts compartmentalizing.
574	Scots Pine	*Pinus sylvestris*	Non-native	25.7	1	2.5	High	Dead	Snag on slope adjacent to house.
575	White Cedar	*Thuja occidentalis*	Native	32.3	1	2.0	Medium	Poor	Squirrel damage, crown snapped off, some crown dieback.
576	Austrian Pine	*Pinus nigra*	Non-native	27.9	1	3.0	High	Poor	Relatively extensive crown dieback, stress cracks on main stem, English ivy up main stem.
577	Austrian Pine	*Pinus nigra*	Non-native	34.5	1	4.0	High	Poor	Crown/scaffold dieback, some stress cracks on main stem.
578	Red Maple	*Acer rubrum*	Native	28.2	2	5.5	High	Poor	Codominant stems, wounds on main stems with evidence of rot, staining, crown still relatively full and vigorous.
579	Austrian Pine	*Pinus nigra*	Non-native	33.5	1	3.3	Medium	Fair	Some crown dieback, main stem relatively solid.
580	Horse Chestnut	*Aesculus hippocastanum*	Non-native	14.7	1	3.3	Low	Good	Full, vigorous crown, competing with adjacent tree slightly.
581	Honey Locust	*Gleditsia triacanthos* var. *inermis*	Non-native	45.4	1	5.5	Medium	Fair	Some dieback in lower scaffold branches, could benefit from light pruning.
582	White Pine	*Pinus strobus*	Native	47.9	1	6.0	Medium	Fair	Minimal dieback, slightly unbalanced crown due to adjacent tree.
583	White Cedar	*Thuja occidentalis*	Native	17.7	4	2.0	Medium	Fair	One stem in poor condition, some crown dieback and bark loss.
584	White Cedar	*Thuja occidentalis*	Native	19.5	4	2.0	Low	Good	Minimal dieback.
585	White Spruce	*Picea glauca*	Native	21.6	1	3.0	High	Poor	Extensive crown dieback, one sided crown.
586	White Spruce	*Picea glauca*	Native	28.1	1	3.3	Medium	Fair	One sided crown due to adjacent tree, some crown dieback.
587	English Yew	*Taxus baccata*	Non-native	14.2	1	4.0	Low	Good	Along property boundary in hedge of yew.
588	Norway Maple	*Acer platanoides*	Non-native	21.4	2	4.3	Low	Fair	On property boundary, minimal dieback.
589	White Spruce	*Picea glauca*	Native	27.2	1	4.0	Medium	Fair	Minimal dieback, competing with adjacent trees.
590	English Yew	*Taxus baccata*	Non-native	14.4	3	5.0	Low	Good	Minimal dieback due to light competition.
591	White Spruce	*Picea glauca*	Native	14.4	1	2.0	High	Very Poor	Minimal crown remaining.
592	English Yew	*Taxus baccata*	Non-native	20.6	1	6.0	Low	Good	On property boundary, minimal dieback.
593	English Yew	*Taxus baccata*	Non-native	11.2	1	4.0	Low	Fair	Crown dieback due to competition, close to property boundary.
594	English Yew	*Taxus baccata*	Non-native	13.5	1	3.0	Low	Excellent	Full, vigorous, growing adjacent to house.
595	Norway Maple	*Acer platanoides*	Non-native	101.3	1	8.0	Medium	Fair	Some included bark in upper scaffold, full vigorous crown, some evidence of rot in small prune cuts.
596	Austrian Pine	*Pinus nigra*	Non-native	40.6	1	2.0	Medium	Fair	Narrow crown due to adjacent trees, some crown dieback.
597	Austrian Pine	*Pinus nigra*	Non-native	56.4	1	5.0	Medium	Fair	Insect feeding on main stem, some scaffold dieback.
598	Austrian Pine	*Pinus nigra*	Non-native	47.9	1	5.0	Medium	Fair	Unbalanced crown due to adjacent trees, some lower scaffold dieback.
599	Ginkgo	*Ginkgo biloba*	Non-native	36.0	1	5.3	Low	Good	Slightly one sided crown due to adjacent tree, otherwise healthy.
600	Sycamore	*Platanus occidentalis*	Native	44.9	1	7.0	Medium	Fair	Stress crack up main stem with some compartmentalization, full crown.

105 Avondale Court and 143 Bluewater Place, Burlington - Tree Inventory
Appendix I: Tree Inventory Data

Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
601	White Mulberry	*Morus alba*	Non-native	21.2	3	6.5	Low	Good	Unbalanced but full crown, some staining in lower branch union.
602	White Mulberry	*Morus alba*	Non-native	25.1	1	6.5	Low	Fair	One sided crown with lean over Lakeshore Rd, remaining crown full, minimal staining in included bark branch union.
603	Scots Pine	*Pinus sylvestris*	Non-native	26.1	1	3.5	Medium	Poor	Sparse, narrow crown, competing with adjacent trees.
604	White Spruce	*Picea glauca*	Native	36.4	1	2.5	Medium	Fair	Some crown dieback, competing with adjacent mulberry.
605	White Spruce	*Picea glauca*	Native	46.0	1	4.0	Medium	Fair	One sided crown, minimal dieback.
606	White Spruce	*Picea glauca*	Native	42.7	1	4.0	Low	Good	Relatively solid stem, slightly unbalanced due to adjacent tree, otherwise good condition.
607	English Yew	*Taxus baccata*	Non-native	13.9	1	4.0	Low	Good	Minimal dieback, growing beneath spruce tree.
608	White Spruce	*Picea glauca*	Native	24.9	1	3.5	Medium	Fair	Upper crown sparse, some crown dieback, competing with adjacent trees.
609	White Spruce	*Picea glauca*	Native	35.3	1	3.5	Medium	Fair	Some small limb dieback, crown dieback, stem still relatively solid.
610	Scots Pine	*Pinus sylvestris*	Non-native	19.8	1	3.5	Medium	Fair	Sparse, unbalanced crown, sapsucker feeding, competing with adjacent trees.
611	Colorado Spruce	*Picea pungens*	Non-native	63.0	1	4.5	Medium	Fair	Large tree with long drooping branches, main stem relatively solid, close to house.
612	Scots Pine	*Pinus sylvestris*	Non-native	51.0	1	6.5	Medium	Fair	One sided crown with lean over road, woodpecker damage, old prune cuts not compartmentalized.
613	Colorado Spruce	*Picea pungens*	Non-native	33.9	1	3.0	Medium	Fair	Tall, over mature, stem relatively solid, some crown thinning.
614	Colorado Spruce	*Picea pungens*	Non-native	31.8	1	2.0	Medium	Fair	Tall, over mature, small girdling root.
615	Colorado Spruce	*Picea pungens*	Non-native	32.2	1	3.2	Medium	Fair	Tall, over mature, slightly unbalanced crown, stem relatively solid.
616	Norway Spruce	*Picea abies*	Non-native	59.2	1	6.0	Medium	Fair	Large, widespread crown, stem relatively solid, some crown thinning.
617	Honey Locust	*Gleditsia triacanthos* var. *inermis*	Non-native	59.6	1	10.0	Low	Good	Slightly unbalanced crown, minimal dieback, otherwise relatively solid.
618	Honey Locust	*Gleditsia triacanthos* var. *inermis*	Non-native	57.7	1	10.0	Low	Good	Widespread crown, minimal dieback, stem relatively solid.
619	Scots Pine	*Pinus sylvestris*	Non-native	47.1	1	7.5	Medium	Fair	One sided crown, relatively solid stem, full crown, some sapsucker feeding.
620	Colorado Spruce	*Picea pungens*	Non-native	39.4	1	3.0	Low	Fair	Some crown dieback, but relatively solid stem.
621	Colorado Spruce	*Picea pungens*	Non-native	34.8	1	3.0	Low	Fair	Slightly unbalanced crown due to competition with adjacent tree, minimal dieback.
622	White Pine	*Pinus strobus*	Native	70.9	4	11.0	Low	Good	Large, mature tree leading to failure rating. Solid stem with relatively full crown.
623	Colorado Spruce	*Picea pungens*	Non-native	25.0	1	2.5	Medium	Fair	Reduced crown due to competition with adjacent trees, heavy seed production, some crown dieback.
624	Colorado Spruce	*Picea pungens*	Non-native	36.5	1	2.5	Medium	Fair	Heavy seed production, some crown dieback.
625	Freeman's Maple	*Acer X freemanii*	Native	99.7	1	7.0	Medium	Fair	One large limb with staining, small girdling root, slightly unbalanced crown, some small limb dieback.
626	White Cedar	*Thuja occidentalis*	Native	20.5	4	3.5	Low	Good	Hedgerow tree, slightly unbalanced crown, but otherwise good condition.
627	European Larch	*Larix decidua*	Non-native	36.0	1	4.0	High	Poor	Narrow, one sided crown, limb dieback.
628	European Larch	*Larix decidua*	Non-native	32.6	1	2.0	High	Poor	Narrow, sparse crown, some staining on main stem.
629	European Larch	*Larix decidua*	Non-native	24.8	1	1.0	High	Poor	Narrow, sparse crown, no lower growth.
630	Norway Maple	*Acer platanoides*	Non-native	100.3	1	11.0	Medium	Fair	Large, widespread crown, growing around wires, some crown dieback, old prune cut healing.
631	Serviceberry Species	*Amelanchier* sp.	Non-native	16.7	10	6.0	Medium	Fair	Some crown dieback, a few stems with frost cracks and insect feeding.
632	White Cedar	*Thuja occidentalis*	Native	27.7	2	3.5	Low	Good	Full crown, minimal dieback.
633	White Cedar	*Thuja occidentalis*	Native	19.7	4	2.5	Low	Good	Minimal yellowing, full crown.
634	White Cedar	*Thuja occidentalis*	Native	16.7	1	2.5	Medium	Fair	One sided crown, some crown dieback, growing on 5 degree angle.
635	Sugar Maple	*Acer saccharum*	Native	92.6	1	8.0	Medium	Fair	Some staining on root flare, minimal dieback, scaffold limb could be pruned, slightly unbalanced crown.
636	Freeman's Maple	*Acer X freemanii*	Native	71.0	1	9.0	Medium	Fair	Some woodpecker damage, crown relatively full, slightly unbalanced crown as there used to be an adjacent tree.
637	Sugar Maple	*Acer saccharum*	Native	62.4	1	8.0	Medium	Fair	Slightly unbalanced crown due to adjacent tree, minimal dieback, relatively solid stem.
638	Sugar Maple	*Acer saccharum*	Native	80.2	1	7.0	Medium	Fair	Slightly unbalanced crown due to adjacent tree, staining under one scaffold branch, relatively healthy crown.
639	White Spruce	*Picea glauca*	Native	42.6	1	4.0	Medium	Fair	Heavy seed production, lower limb dieback.
640	White Cedar	*Thuja occidentalis*	Native	14.1	1	1.5	Medium	Poor	Sparse, narrow crown.
641	Norway Spruce	*Picea abies*	Non-native	49.0	1	2.5	Medium	Fair	Unbalanced crown, somewhat sparse.
642	Norway Spruce	*Picea abies*	Non-native	21.7	1	2.5	Medium	Poor	One sided crown, sparse, missing top.
643	White Pine	*Pinus strobus*	Native	56.6	1	6.0	Low	Good	Slightly unbalanced crown due to adjacent tree, otherwise relatively healthy.
644	White Pine	*Pinus strobus*	Native	43.5	1	8.0	High	Poor	Previous branch failures, one sided crown, dieback.
645	English Yew	*Taxus baccata*	Non-native	20.0	1	3.0	Medium	Fair	Failed branches from pine on top of crown, small stress cracks with staining.
646	Colorado Spruce	*Picea pungens*	Non-native	24.7	1	3.5	High	Poor	Some staining on root flare, sparse, narrow crown.
647	Colorado Spruce	*Picea pungens*	Non-native	23.4	1	3.0	High	Very Poor	Sparse crown, lower limb dieback, heavy seed production.
648	Colorado Spruce	*Picea pungens*	Non-native	22.9	1	2.5	High	Poor	Sparse crown, dieback, yellowing.
649	Colorado Spruce	*Picea pungens*	Non-native	27.0	1	3.5	High	Poor	Unbalanced crown due to adjacent trees, crown dieback, stress cracks on main stem, evidence of insect feeding.
650	Colorado Spruce	*Picea pungens*	Non-native	17.8	1	2.0	High	Poor	Narrow, sparse crown, dieback.
651	English Yew	*Taxus baccata*	Non-native	17.3	1	3.5	Low	Good	Growing under adjacent spruce trees; however, relatively healthy.

105 Avondale Court and 143 Bluewater Place, Burlington - Tree Inventory
Appendix I: Tree Inventory Data

Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
652	Colorado Spruce	*Picea pungens*	Non-native	35.0	1	4.0	Medium	Fair	Slightly narrow crown due to adjacent trees, minimal dieback, relatively solid stem.
653	Colorado Spruce	*Picea pungens*	Non-native	22.3	1	3.5	Medium	Fair	Some crown dieback, unbalanced crown due to adjacent tree.
654	Colorado Spruce	*Picea pungens*	Non-native	39.4	1	3.5	Medium	Fair	Light pruning in lower scaffold, stem relatively solid, some crown dieback.
655	Colorado Spruce	*Picea pungens*	Non-native	35.5	1	2.5	Medium	Fair	One sided crown, crown dieback, lower limb dieback.
656	Colorado Spruce	*Picea pungens*	Non-native	25.2	1	2.5	High	Poor	Extensive dieback.
657	Colorado Spruce	*Picea pungens*	Non-native	25.9	1	3.0	Medium	Fair	One sided crown due to adjacent trees, some crown dieback.
658	Colorado Spruce	*Picea pungens*	Non-native	20.9	1	2.0	High	Poor	Relatively extensive dieback, evidence of woodpecker damage.
659	Colorado Spruce	*Picea pungens*	Non-native	24.0	1	1.0	High	Poor	Relatively extensive dieback, evidence of insect feeding.
660	Colorado Spruce	*Picea pungens*	Non-native	15.6	1	2.0	High	Poor	Relatively extensive dieback, girdling root.
661	White Mulberry	*Morus alba*	Non-native	19.4	1	3.0	Medium	Fair	Poor reception, crown growing around wires, slight lean, one sided crown.
662	Colorado Spruce	*Picea pungens*	Non-native	17.3	1	2.0	High	Poor	Extensive dieback.
663	Colorado Spruce	*Picea pungens*	Non-native	24.8	1	1.3	High	Very Poor	Extensive dieback, crown draped in grape.
664	Colorado Spruce	*Picea pungens*	Non-native	20.9	1	1.5	High	Very Poor	Extensive dieback, draped in grape.
665	Colorado Spruce	*Picea pungens*	Non-native	14.4	1	0.5	High	Very Poor	Very little crown remaining, almost dead.
666	Colorado Spruce	*Picea pungens*	Non-native	30.4	1	2.5	High	Very Poor	Almost dead.
667	Colorado Spruce	*Picea pungens*	Non-native	30.3	1	3.0	High	Poor	Almost dead, draped in grape.
668	Colorado Spruce	*Picea pungens*	Non-native	27.1	1	2.5	High	Poor	Extensive dieback, draped in grape.
669	Norway Spruce	*Picea abies*	Non-native	35.3	1	3.0	Medium	Fair	Some stress cracks on main stem, some dieback in lower scaffold.
670	Colorado Spruce	*Picea pungens*	Non-native	35.2	1	3.0	Medium	Fair	Draped in grape, slightly unbalanced crown due to adjacent tree, some crown dieback.
671	European Beech	*Fagus sylvatica*	Non-native	80.2	1	11.0	Low	Good	Full, vigorous crown, small girdling root, main stem relatively solid.
672	English Yew	*Taxus baccata*	Non-native	10.6	1	2.5	Low	Good	Along fence under spruce trees.
673	Austrian Pine	*Pinus nigra*	Non-native	55.8	1	4.0	High	Very Poor	Large limb dieback, crown dieback.
674	Colorado Spruce	*Picea pungens*	Non-native	17.5	1	1.5	Medium	Poor	One sided crown, some crown dieback.
675	Austrian Pine	*Pinus nigra*	Non-native	32.9	1	3.0	High	Very Poor	Extensive dieback, woodpecker damage.
676	Colorado Spruce	*Picea pungens*	Non-native	33.1	1	3.0	Medium	Poor	Lower limb dieback, crown dieback, main stem still relatively solid.
677	Colorado Spruce	*Picea pungens*	Non-native	28.6	1	3.5	Medium	Poor	Limb and crown dieback, main stem still relatively solid.
678	Black Cherry	*Prunus serotina*	Native	20.2	1	2.3	Low	Good	Slightly narrowed crown due to adjacent trees, otherwise healthy.
679	Colorado Spruce	*Picea pungens*	Non-native	21.1	1	1.0	Medium	Poor	Sparse, narrow crown, main stem relatively solid.
680	Colorado Spruce	*Picea pungens*	Non-native	29.6	1	2.5	Medium	Fair	Growing on slight lean, one sided crown, some crown dieback.
681	Norway Maple	*Acer platanoides*	Non-native	81.0	1	11.0	Medium	Fair	Main stem declining (on verge of poor condition), with small area of staining, one large scaffold branch in poor condition, tar spot, full crown.
682	Norway Maple	*Acer platanoides*	Non-native	97.5	1	7.0	Medium	Fair	Codominant branches with some staining in union, crown growing around wires, minimal dieback.
683	English Yew	*Taxus baccata*	Non-native	20.4	1	4.5	Low	Good	Growing beneath maples, otherwise relatively healthy.
684	White Pine	*Pinus strobus*	Native	30.5	1	1.0	Medium	Fair	Narrow crown limited to top due to adjacent tree, some woodpecker damage.
685	White Pine	*Pinus strobus*	Native	44.9	1	6.0	Medium	Fair	Some yellowing in needles, main stem relatively solid, some fill/yard waste higher on root flare.
686	White Pine	*Pinus strobus*	Native	40.5	1	5.0	Medium	Fair	One sided crown with some dieback.
687	White Pine	*Pinus strobus*	Native	26.8	1	3.0	Medium	Fair	One sided crown due to adjacent trees, main stem relatively solid.
688	White Pine	*Pinus strobus*	Native	61.4	1	6.0	Medium	Fair	One sided crown due to adjacent tree, some previous branch failure, some crown dieback.
689	Norway Maple	*Acer platanoides*	Non-native	96.4	1	10.0	Medium	Fair	Relatively solid stem, some crown dieback, history of branch failure.
690	Norway Spruce	*Picea abies*	Non-native	48.7	1	7.0	Medium	Fair	Main stem growing against wires, some limb dieback.
691	Dwarf Lilac	*Syringa pubescens*	Non-native	10.7	1	1.5	Low	Good	Manicured tree in garden, full crown.
692	Red Maple	*Acer rubrum*	Native	36.9	1	4.5	Medium	Fair	Some stress cracks on root flare, included bark in scaffold branches.
693	Douglas Fir	*Pseudotsuga menziesii*	Non-native	49.6	1	4.5	Medium	Fair	Insect feeding on main stem, some crown dieback.
694	Douglas Fir	*Pseudotsuga menziesii*	Non-native	45.0	1	4.0	Medium	Fair	Some crown dieback, stress crack on main stem with sap and some compartmentalization.
695	Yellow Cedar	*Chamaecyparis nootkatensis*	Non-native	14.5	1	3.0	Low	Fair	Competing with adjacent tree, minimal dieback.
696	Serviceberry Species	*Amelanchier* sp.	Non-native	11.7	3	2.0	Low	Fair	Minimal dieback, crowded out by adjacent trees.
697	Lilac	*Syringa vulgaris*	Non-native	11.9	18	2.0	Medium	Poor	Over mature, some stems dead and some with rot, growing against fence.
698	Norway Maple	*Acer platanoides*	Non-native	14.1	2	1.5	Low	Fair	Tar spot, growing on slope.
699	Staghorn Sumac	*Rhus hirta*	Native	14.0	1	2.0	High	Very Poor	Almost dead, bark cracks and uprooting, minimal crown.
701	English Yew	*Taxus baccata*	Non-native	11.5	11	3.0	Medium	Fair	Unbalanced crown, poor structure, shrub.
702	Colorado Spruce	*Picea pungens*	Non-native	25.6	1	1.5	Medium	Fair	Mostly one sided crown, some dieback.
703	Yellow Cedar	*Chamaecyparis nootkatensis*	Non-native	15.0	1	2.5	Low	Fair	Somewhat sparse, overall fair condition.
704	Horse Chestnut	*Aesculus hippocastanum*	Non-native	53.8	1	4.5	Medium	Fair	Some dieback, epicormic shoots, some sunken areas.

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Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
705	Norway Spruce	*Picea abies*	Non-native	24.1	1	1.5	High	Poor	Very reduced crown, dieback throughout and yellowing.
706	Norway Spruce	*Picea abies*	Non-native	23.1	1	1.5	High	Poor	Reduced and unbalanced crown.
707	Norway Spruce	*Picea abies*	Non-native	23.9	1	2.5	Medium	Poor	Mostly one sided crown and thinning.
708	Norway Spruce	*Picea abies*	Non-native	36.7	1	3.5	Medium	Fair	Some crown thinning and dieback, unbalanced crown.
709	Red Maple	*Acer rubrum*	Native	40.7	1	6.0	Medium	Fair	Girdled and exposed roots, some sunken areas.
710	Norway Spruce	*Picea abies*	Non-native	38.9	1	3.5	Medium	Fair	Unbalanced crown, some dieback and thinning.
711	Norway Spruce	*Picea abies*	Non-native	39.9	1	3.0	Medium	Fair	Slight unbalanced crown, prioritized upward growth, slightly reduced crown.
712	Norway Spruce	*Picea abies*	Non-native	52.0	1	3.5	Medium	Fair	Unbalanced and heavy crown, dieback and thinning, overarching branches.
713	Norway Spruce	*Picea abies*	Non-native	47.8	1	3.5	Low	Fair	Sparse crown and some dieback, slight unbalanced crown.
714	Norway Spruce	*Picea abies*	Non-native	41.1	1	3.5	Medium	Fair	One sided crown, some dieback.
715	European Spindle Tree	*Euonymus europaeus*	Non-native	15.6	2	2.5	Medium	Fair	Unbalanced crown, growing on slope, lean, roots girdled with adjacent *Juglans X,* some dieback.
716	European Beech	*Fagus sylvatica*	Non-native	12.5	1	3.0	Medium	Fair	Unbalanced crown, some dieback.
717	European Beech	*Fagus sylvatica*	Non-native	12.5	1	2.5	Medium	Fair	One sided crown, some dieback.
718	White Pine	*Pinus strobus*	Native	66.0	1	0.0	High	Dead	Snag, no top.
719	White Elm	*Ulmus americana*	Native	20.2	2	2.5	High	Very Poor	Mostly dead, lean, growing on slope, one stem less than 10cm dbh.
720	Norway Maple	*Acer platanoides*	Non-native	17.0	1	3.0	Low	Fair	Some "S" bend in stem, growing on slope, tar spot.
721	Norway Maple	*Acer platanoides*	Non-native	18.4	2	2.5	Medium	Fair	One sided crown, some sunken areas, 1 stem with frass, 2 stems joined at root flare.
722	White Pine	*Pinus strobus*	Native	55.5	1	3.0	High	Poor	Bark cracks, large amount of carpenter ant frass/galleries in stem, sunken areas, dieback, yellowing, poor structure.
723	European Beech	*Fagus sylvatica*	Non-native	15.2	1	2.5	Medium	Fair	Unbalanced crown, some dieback, some damage to root flare, bark cracks, some decay in knot hole.
724	Norway Maple	*Acer platanoides*	Non-native	14.4	1	3.0	Low	Fair	Growing on slope, unbalanced crown, tar spot.
725	American Basswood	*Tilia americana*	Native	50.5	1	6.0	High	Poor	Carpenter ant frass and galleries at root flare opening, bark cracks, dieback, growing out of slope.
726	Norway Maple	*Acer platanoides*	Non-native	11.0	1	3.0	Medium	Fair	Growing on slope, leader leaning, poor structure, tar spot.
727	Norway Maple	*Acer platanoides*	Non-native	27.8	1	3.5	High	Dead	Scaffolds remain.
728	Norway Maple	*Acer platanoides*	Non-native	16.8	1	3.5	Medium	Fair	Poor structure, phototrophic lean, exposed roots, growing on slope.
729	Eastern Hemlock	*Tsuga canadensis*	Native	11.3	1	3.0	Low	Fair	Unbalanced crown, growing on slope.
730	Yellow Birch	*Betula alleghaniensis*	Native	84.8	1	8.0	High	Poor	Large codominant branches with included bark, frass at base, old branches with decay, poor structure, some dieback, large stem with decay and cavity.
731	Eastern Hemlock	*Tsuga canadensis*	Native	12.0	1	2.5	Low	Fair	Sparse crown due to competing trees.
732	Eastern Hemlock	*Tsuga canadensis*	Native	11.6	1	2.5	Low	Fair	Unbalanced crown, growing on slope, exposed roots.
733	Eastern Hemlock	*Tsuga canadensis*	Native	13.7	1	2.0	Low	Fair	Unbalanced crown, growing into adjacent yellow birch.
734	Norway Spruce	*Picea abies*	Non-native	60.6	1	4.5	Medium	Fair	Reduced and unbalanced crown.
735	Norway Spruce	*Picea abies*	Non-native	37.1	1	3.0	Medium	Fair	Reduced and unbalanced crown.
736	Norway Spruce	*Picea abies*	Non-native	37.4	1	2.0	High	Poor	Very reduced crown, unbalanced crown, growing on slope.
737	Norway Spruce	*Picea abies*	Non-native	23.0	1	1.5	High	Very Poor	One sided crown, minimal crown left.
738	Norway Spruce	*Picea abies*	Non-native	55.0	1	4.0	Medium	Fair	Lean, large codominant branches, heavy load, root flare with response growth, growing on slope.
739	Norway Spruce	*Picea abies*	Non-native	23.2	1	1.5	High	Poor	One sided, top dead due to competing trees, heavily pruned for wires.
740	Norway Spruce	*Picea abies*	Non-native	22.6	1	2.0	High	Poor	One sided, heavily pruned for wires, upper crown in heavy decline.
741	Norway Spruce	*Picea abies*	Non-native	19.5	1	2.0	High	Dead	Peeling bark.
742	White Pine	*Pinus strobus*	Native	43.7	1	4.5	Medium	Fair	One sided crown, growing on slope, some dieback.
743	Norway Spruce	*Picea abies*	Non-native	32.8	1	1.5	High	Poor	Very reduced crown, unbalanced crown, some bulges on stem near base.
744	Norway Spruce	*Picea abies*	Non-native	47.3	1	4.0	Medium	Fair	One sided crown, some dieback and yellowing, garden groundcover surrounding root zone.
745	Norway Spruce	*Picea abies*	Non-native	48.7	1	4.5	Medium	Fair	Some thinning in lower crown, some yellowing, vines around base and stem.
746	Norway Spruce	*Picea abies*	Non-native	26.0	1	2.5	High	Poor	Very reduced crown, thinning , and dieback.
747	Norway Spruce	*Picea abies*	Non-native	52.9	1	5.0	Medium	Fair	Slight unbalanced crown, thinning, dieback, vines around base and slightly up stem.
748	Norway Spruce	*Picea abies*	Non-native	49.8	1	4.0	Medium	Fair	Unbalanced crown, small girdled roots, some dieback.
749	Norway Spruce	*Picea abies*	Non-native	48.3	1	4.0	Medium	Fair	Large roots extending down slope, unbalanced crown, some thinning and dieback.
750	Norway Spruce	*Picea abies*	Non-native	50.9	1	4.0	Medium	Fair	Large roots extending down slope, some thinning and yellowing.
751	English Yew	*Taxus baccata*	Non-native	15.2	1	3.0	Low	Fair	On property line, no leader, some thinning.
752	English Yew	*Taxus baccata*	Non-native	13.1	2	3.0	Low	Fair	Just inside property line, poor form.
753	English Yew	*Taxus baccata*	Non-native	15.0	1	2.0	Medium	Fair	Reduced crown due to tight spacing with other yews.
754	English Yew	*Taxus baccata*	Non-native	11.5	3	3.0	Medium	Fair	Unbalanced crown, reduced crown due to tight spacing of trees.
755	White Spruce	*Picea glauca*	Native	26.4	1	3.0	Medium	Fair	Unbalanced crown, some dieback, and yellowing.
756	European Larch	*Larix decidua*	Non-native	34.3	1	3.0	Medium	Fair	Sparse crown, some dieback, elevated crown.
757	White Mulberry	*Morus alba*	Non-native	15.9	1	3.5	Medium	Fair	Unbalanced crown, poorly pruned, stem with curve.
758	White Spruce	*Picea glauca*	Native	17.3	1	1.0	High	Poor	Very reduced crown, sparse throughout due to competing trees.

105 Avondale Court and 143 Bluewater Place, Burlington - Tree Inventory
Appendix I: Tree Inventory Data

Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
759	White Spruce	*Picea glauca*	Native	33.8	1	3.5	Medium	Fair	Extreme one sided crown with heavy load, some dieback, poor shape but in fair condition.
760	White Spruce	*Picea glauca*	Native	22.7	1	2.5	Medium	Fair	One sided crown, otherwise vigorous.
761	White Spruce	*Picea glauca*	Native	25.0	1	2.5	High	Poor	Reduced and unbalanced crown.
762	White Spruce	*Picea glauca*	Native	19.0	1	2.0	Medium	Fair	Unbalanced crown, otherwise vigorous.
763	White Spruce	*Picea glauca*	Native	14.2	1	1.0	High	Poor	Very reduced crown and thinning.
764	White Spruce	*Picea glauca*	Native	14.6	1	1.0	Medium	Fair	Reduced crown, but relatively full crown for size.
765	White Spruce	*Picea glauca*	Native	25.4	1	3.5	Medium	Fair	Unbalanced crown, some thinning, and dieback.
766	White Spruce	*Picea glauca*	Native	21.1	1	2.5	Medium	Poor	Unbalanced crown, thinning, and dieback.
767	White Spruce	*Picea glauca*	Native	18.1	1	1.5	Medium	Poor	Reduced crown, some thinning.
768	White Spruce	*Picea glauca*	Native	23.3	1	2.5	Medium	Fair	One sided and reduced crown, grape in crown.
769	White Cedar	*Thuja occidentalis*	Native	20.8	1	1.5	Medium	Fair	Twisted codominant branches with included bark, some yellowing, thinning.
770	English Yew	*Taxus baccata*	Non-native	19.7	1	2.5	Low	Fair	Grape in crown, some sparseness.
771	Austrian Pine	*Pinus nigra*	Non-native	47.0	1	4.0	Medium	Fair	Unbalanced and reduced crown, some dieback, adjacent to house.
772	Austrian Pine	*Pinus nigra*	Non-native	35.7	1	3.0	Medium	Fair	One sided crown, some thinning and dieback.
773	Austrian Pine	*Pinus nigra*	Non-native	57.8	1	4.0	High	Poor	Large codominant branches with included bark, vine growing up stem, dieback and yellowing throughout.
774	Red Maple	*Acer rubrum*	Native	47.9	1	4.5	Low	Fair	Codominant branches with included bark, girdled roots, poor form, minimal dieback, gypsy moth egg mass.
775	Red Oak	*Quercus rubra*	Native	71.8	1	4.5	Low	Good	Minimal dieback, gypsy moth feeding (shot holes) in foliage, otherwise vigorous.
776	Chinese Chestnut	*Castanea mollissima*	Non-native	21.2	1	4.0	Medium	Poor	Extensive damage to root flare, bark cracks, some dieback, epicormic shoots.
777	Chinese Chestnut	*Castanea mollissima*	Non-native	35.1	1	2.5	Low	Fair	Some staining at root flare, small decayed branch, some dieback.
778	Yellow Birch	*Betula alleghaniensis*	Native	90.0	2	6.0	Medium	Fair	Burlington Horticultural Society Honour Roll Plaque posted on tree, large tree with some evidence of decay and history of branch failure, some dieback, located on other side of fence, but on the property.
779	Scots Pine	*Pinus sylvestris*	Non-native	38.9	1	3.5	Medium	Fair	Poor form, some dieback, thinning, sapsucker feeding.
780	Douglas Fir	*Pseudotsuga menziesii*	Non-native	39.3	1	3.0	Medium	Fair	Mostly one sided with some dieback.
781	Norway Spruce	*Picea abies*	Non-native	47.0	1	4.5	Low	Fair	Some gaps between branches, otherwise vigorous.
782	Scots Pine	*Pinus sylvestris*	Non-native	32.6	1	3.5	High	Very Poor	Tree mostly dead.
783	Norway Spruce	*Picea abies*	Non-native	49.9	1	4.0	Medium	Fair	Unbalanced crown, some wilting and dieback, some gaps between branches.
784	White Mulberry	*Morus alba*	Non-native	17.7	9	4.0	Medium	Fair	Unbalanced crown, codominant stems with included bark and some staining, some dieback.
785	White Cedar	*Thuja occidentalis*	Native	16.3	5	1.5	Low	Fair	Adjacent lilac growing into crown, resulting in some gaps in crown.
786	Staghorn Sumac	*Rhus hirta*	Native	12.5	1	1.0	High	Poor	Bark cracks, large open wound with poor compartmentalization and decay, dieback, and dead branches.
A	Black Willow	*Salix nigra*	Native	87.8	1	5.0	High	Poor	Mostly full crown, many roots exposed with damage, 45 degree lean, bottom of stem at root flare exposed, epicormic shoots, frass, carpenter ants at root flare.
B	Butternut Hybrid	*Juglans X*	Non-native	34.3	1	3.5	High	Poor	Unbalanced crown, top dead, lateral branches with foliage, large wound with decay, peeling bark, off-site.
C	Butternut Hybrid	*Juglans X*	Non-native	9.4	1	3.5	Low	Fair	Growing under lines, many small open cankers cankers with some sooty cankers. Cankers indicate tree is in decline, even though currently contains full crown.
D	Butternut Hybrid	*Juglans X*	Non-native	77.9	1	6.5	High	Poor	Large cavity on stem, girdled roots, frass and carpenter ants, dieback and history of branch failure, butternut canker present, calloused split near fork with staining.
E	Butternut Hybrid	*Juglans X*	Non-native	35.2	3	6.0	High	Poor	Carpenter ants, frass, old large prune cuts with decay/staining, butternut canker present, dieback and history of branch failure, growing under lines.
F	Butternut Species	*Juglans* sp.	Native	21.0	1	4.0	High	Poor	Unbalanced crown, dieback, history of branch failure, phototrophic lean. Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
G	Norway Maple	*Acer platanoides*	Non-native	12.6	1	2.0	Low	Fair	Phototrophic lean, tar spot, unbalanced crown.
H	Colorado Spruce	*Picea pungens*	Non-native	32.0	1	3.5	Low	Good	Pruned, on private property.
I	Sugar Maple	*Acer saccharum*	Native	36.0	1	4.0	Medium	Fair	Stem relatively solid, elevated pruning for wires, some crown dieback.
J	Black Walnut	*Juglans nigra*	Native	70.0	1	9.0	Medium	Fair	Growing around wires, slight unbalanced crown with some dieback.
K	Black Walnut	*Juglans nigra*	Native	64.0	1	11.0	Medium	Fair	Growing around wires, some crown thinning.
L	Freeman's Maple	*Acer X freemanii*	Native	115.0	1	15.0	Medium	Fair	Growing around wires, codominant branches with included bark, wide spread crown, some dieback.
M	Japanese Maple	*Acer palmatum*	Non-native	15.0	5	5.0	Low	Good	Growing around wires, full wide crown, behind fence.
N	White Spruce	*Picea glauca*	Native	29.1	1	3.0	Medium	Poor	Reduced crown due to adjacent trees, sparse crown, behind fence.
O	White Spruce	*Picea glauca*	Native	33.5	1	3.5	Medium	Fair	Some crown dieback, stem relatively solid, behind fence.
P	White Spruce	*Picea glauca*	Native	33.5	1	4.0	Medium	Fair	Some crown thinning, stem relatively solid, behind fence.
Q	White Spruce	*Picea glauca*	Native	28.0	1	3.2	Medium	Fair	Heavy seed production, some crown thinning, stem relatively solid.
R	Ginkgo	*Ginkgo biloba*	Non-native	70.0	1	6.5	Medium	Fair	Large codominant stems fused together at breast height, calloused wounds, some canker on scaffold branches, some dieback and reduced leaf size.
S	Red Maple	*Acer rubrum*	Native	25.0	4	6.0	Medium	Fair	In private garden, some dieback, wilting, anthracnose spots, some bark cracks.
T	Pear	*Pyrus communis*	Non-native	15.0	1	2.0	Medium	Fair	Pear scab/rust on leaves, some wilting, vines growing in crown.
U	Weeping Willow	*Salix alba* var. *vitellina*	Non-native	190.0	1	8.5	High	Poor	Large amount of decay with carpenter ants and frass, dieback and some wilting, epicormic shoots, extensive cankers, large codominant stems with included bark, lean, unbalanced crown.

105 Avondale Court and 143 Bluewater Place, Burlington - Tree Inventory
Appendix I: Tree Inventory Data

Tree Number	Common Name	Scientific Name	Native/ Non-native	DBH (cm)	Stem Count	Crown Radius (m)	Potential for Structural Failure	Overall Condition	Comments
V	American Basswood	*Tilia americana*	Native	14.9	3	3.0	Medium	Fair	Unbalanced crown, growing through fence, codominant stems with included bark, epicormic shoots, competing with willow, top dead.
W	Cherry Species	*Prunus* sp.	Non-native	11.8	3	2.5	Medium	Fair	Some dieback and defoliation, growing adjacent to fence, calloused bark splits.
X	Butternut Hybrid	*Juglans X*	Non-native	30.0	1	4.5	Medium	Poor	Vigorous crown; however, butternut canker present.
Y	Norway Maple	*Acer platanoides*	Non-native	21.2	1	4.5	Medium	Fair	Unbalanced crown, leaning over driveway, history of branch failure, unbalanced crown, tar spot.
Z	Cherry Species	*Prunus* sp.	Non-native	21.0	1	3.5	High	Poor	Dieback throughout, unbalanced crown, competing with adjacent Norway maple, blister-like cankers on bark.
AA	Black Locust	*Robinia pseudo-acacia*	Non-native	28.0	1	3.0	Medium	Fair	Off property, some leaf defoliation, crown dieback.
BB	Trembling Aspen	*Populus tremuloides*	Native	22.2	1	3.0	Medium	Fair	Off property, growing on slope, unbalanced crown, some crown dieback.
CC	English Yew	*Taxus baccata*	Non-native	19.4	1	4.0	Low	Fair	Minimal dieback, just off property.
DD	Butternut Species	*Juglans* sp.	Native	35.1	2	5.5	Medium	Fair	Off property, no leaves remaining, appears to have minimal dieback. Not able to positively confirm whether tree is pure or hybrid butternut as lowest portion of crown too high to obtain leaf/twig samples.
EE	White Mulberry	*Morus alba*	Non-native	23.7	1	4.5	Low	Fair	Off property, minimal dieback, competing with adjacent trees.
FF	Eastern Cottonwood	*Populus deltoides*	Native	45.0	1	5.0	Medium	Fair	Along break wall, crack on main stem with some compartmentalization.
GG	Green Ash	*Fraxinus pennsylvanica*	Native	32.0	1	3.0	Medium	Fair	Growing immediately adjacent to break wall, narrow root flare, crown beneath adjacent tree.
HH	Eastern Cottonwood	*Populus deltoides*	Native	84.0	1	6.5	Medium	Fair	Large crack up main stem with some compartmentalization, relatively full crown.
II	Norway Maple	*Acer platanoides*	Non-native	31.2	1	4.5	Medium	Fair	Growing on slope, just outside property line, poor form, unbalanced crown.
JJ	Black Locust	*Robinia pseudo-acacia*	Non-native	46.6	1	3.5	High	Poor	Large amount of decay in root flare, frass, staining, dieback and thinning.
KK	White Birch	*Betula papyrifera*	Native	20.0	1	1.5	Medium	Fair	History of branch failure, some dieback and thinning.
LL	Freeman's Maple	*Acer X freemanii*	Native	45.0	3	5.0	Medium	Fair	Grape in upper stem, some history of branch failure, and some dieback.
Polygon 1	White Cedar	*Thuja occidentalis*	Native	10.0-20.0	46	1.5-2.0	Medium	Fair	Densely planted hedge of cedars. The diameter of most trees are within the 12-15cm DBH range.

APPENDIX II
Conditions of Assessment

Conditions of Tree Assessment

Limitations

This tree inventory and assessment is based on the circumstances and observations as they existed at the time of the site inspection of the Client's Property, legally described as 105 Avondale Court and 143 Bluewater Place (City of Burlington), and the trees situated thereon by NRSI and upon information provided by the Client to NRSI. The opinions in this assessment are given based on observations made and using generally accepted professional judgment; however, as trees are living organisms and are subject to change, damage and disease, the results, observations, recommendations, and analysis as set out in this assessment are valid only at the date any such observations and analysis took place. No guarantee, warranty, representation or opinion is offered or made by NRSI as to the length of the validity of the results, observations, recommendations and analysis contained within this assessment. As a result, the Client shall not rely upon this assessment, save and except for representing the circumstances and observations, analysis and recommendations that were made as at the date of such inspections. It is recommended that the trees discussed in this assessment should be re-assessed periodically, where required (i.e. within 1 year).

Further Services

Neither NRSI, nor any assessor employed or retained by NRSI (the "Assessor") for the purpose of preparing or assisting in the preparation of this assessment shall be required to provide any further consultation or services to the Client, save and except as already carried out in the preparation of this assessment and including, without limitation, to act as an expert witness or witness in any court in any jurisdiction unless the Client has first made specific arrangements with respect to such further services, including, without limitation, providing the payment of the Assessor's regular hourly billing fees.

NRSI accepts no responsibility for the implementation of all or any part of the assessment, unless specifically requested to examine the implementation of such activities recommended herein. In the event that inspection or supervision of all or part of the implementation is requested, that request shall be in writing and the details agreed to in writing by both parties.

Assumptions

The Client is hereby notified and does hereby acknowledge and agree that where any of the facts and information set out and referenced in this assessment are based on assumptions, facts or information provided to NRSI, the Client and/or third parties and unless otherwise set out within this assessment, NRSI will in no way be responsible for the veracity or accuracy of any such information and further, the Client acknowledges and agrees that NRSI has, for the purposes of preparing their assessment, assumed that the Property, which is the subject of this assessment is in full compliance with all applicable federal, provincial, municipal and local statutes, regulations, by-laws, guidelines and other related laws. NRSI explicitly denies any legal liability for any and all issues with respect to non-compliance with any of the above-referenced statutes, regulations, by-laws, guidelines and laws as it may pertain to or affect the Property to which this assessment applies.

Restriction of Assessment

The assessment carried out was restricted to the Property and adjacent trees as identified within this report. No assessment of any other trees has been undertaken by NRSI, except where specifically noted in the assessment. NRSI is not legally liable for any other trees on the Property except those expressly discussed herein. The conclusions of this assessment do not apply to any areas, trees, or any other property not covered or referenced in this assessment.

Professional Responsibility

In carrying out this assessment, NRSI and any Assessor appointed for and on behalf of NRSI to perform and carry out the assessment has exercised a reasonable standard of care, skill and diligence as would be customarily and normally provided in carrying out this assessment. The assessment has been made using accepted arboricultural techniques. These include a visual examination of each tree for structural defects, scars, external indications of decay such as fungal fruiting bodies, evidence of insect attack, discolored foliage (during the leaf-on period), 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 current or planned proximity of property and people. Except where specifically noted in the assessment, none of the trees examined on the

property were dissected, cored, probed, or climbed and detailed root crown examinations involving excavation were not undertaken.

While reasonable efforts have been made to ensure that the trees recommended for retention are healthy, no guarantees are offered, or implied, that these trees, or all parts of them will remain standing. It is professionally impossible to predict with absolute certainty the behaviour of any single tree or group of trees, or all their component parts, in all given circumstances. Inevitably, a standing tree will always pose some risk. Most trees have the potential to fall, lean, or otherwise pose a danger to property and persons in the event of adverse weather conditions, and this risk can only be eliminated if the tree is removed.

Without limiting the foregoing, no liability is assumed by NRSI or its directors, officers, employers, contractors, agents or Assessors for:

a) any legal description provided with respect to the Property;
b) issues of title and or ownership respect to the Property;
c) the accuracy of the Property line locations or boundaries with respect to the Property;
d) the accuracy of any other information provided to NRSI by the Client or third parties;
e) any consequential loss, injury or damages suffered by the Client or any third parties, including but not limited to replacement costs, loss of use, earnings and business interruption; and
f) the unauthorized distribution of the assessment.

Third Party Liability

This assessment was prepared by NRSI exclusively for the Client. The contents reflect NRSI's best assessment of the trees situated on the Property in light of the information available to it at the time of preparation of this assessment. Any use which a third party makes of this assessment, or any reliance on or decisions made based upon this assessment, are made at the sole risk of any such third parties. NRSI accepts no responsibility for any damages or loss suffered by any third party or by the Client as a

result of decisions made or actions based upon the use or reliance of this assessment by any such party.

General

Any plans and/or illustrations in this assessment are included only to help the Client visualize the issues in this assessment and shall not be relied upon for any other purpose.

This report shall be considered as a whole, no sections are severable, and the assessment shall be considered incomplete if any pages are missing.