BEACON ENVIRONMENTAL

GUIDING SOLUTIONS IN THE NATURAL ENVIRONMENT

Arborist Report
Millcroft Golf Club – Areas A - E

Prepared For:

Millcroft Greens Corporation

Prepared By:

Beacon Environmental Limited
in association with
Terrastory Environmental Consulting Incorporated

Date: *Project:*

March 2022 **216081.3**

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Appendix A. Tree Inventory and Assessment Methodology & Limitations of Tree Assessment
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1 Introduction

Beacon Environmental Limited (Beacon) was retained by Argo (Millcroft) Land Development Limited to assist with studies required in support of a proposed residential development on the Millcroft Golf Club properties located at 2155 Country Club Drive (Areas A – D) and 4274 Dundas Street (Area E), in the City of Burlington, hereafter referred to as the subject property.

The subject property corresponds with golf course holes #1, #6, #7, #16, and the golf course works yard located off Dundas Street. The total area covered by the subject properties is 13.43 ha. These holes are discrete areas divided by an existing residential subdivision and associated roads. For the purposes of this report each discrete area will be analysed separately as they are spatially separate. These areas have each been given letter names which will be used throughout this report (**Figure 1**, **Table 1**).

Table 1. Golf Course Holes/Areas and Corresponding Letter Names

Corresponding Letter Name	Millcroft Golf Course Hole Number
Area A	Hole #6
Area B	Hole #7
Area C	Hole #1
Area D	Hole #16
Area E	Works Yard

1.1 Site Context: Area A

Area A covers a total of 5.87 ha of golf course lands and is bordered by existing residential development on the north and south sides, Upper Middle Road and an elevated Canadian National Railway (CNR) line bordering the eastern side, with Millcroft Park Drive abutting the western edge. The perimeter of this Area is lined with planted trees varying in species and age.

Appleby Creek traverses this Area from east to west. Appleby Creek and its corridor is designated as part of the Region of Halton Natural Heritage System (RNHS). At the southerly limit, there is a large online pond that is used for irrigation of the golf course.

1.2 Site Context: Area B

Area B covers a total of 3.62 ha of golf course lands and is bordered by existing residential development on the north and south sides, Upper Middle Drive and an elevated CNR line bordering the eastern side, and Millcroft Park Drive abutting the western edge. The perimeter of this Area is lined with planted trees varying in species and age.

1.3 Site Context: Area C

Area C covers a total of 1.7 ha of golf course lands and is bordered by existing residential development and Country Club Drive. This Area includes an existing 9 m wide pipeline easement. The perimeter of this Area is lined with planted trees varying in species and age.

1.4 Site Context: Area D

Area D covers a total of 0.75 ha of golf course lands and is bordered by existing residential development to the east, golf course lands to the north and west, and Millcroft Park Drive to the south. The perimeter of this Area is lined with planted trees varying in species and age.

1.5 Site Context: Area E

Area E covers a total of 0.65 ha and is currently occupied by a works yard associated with the existing golf course. This includes one large structure and surrounding turf and landscape tree plantings. The Area is bordered on the south side by residential development, Dundas Street on the western side, and open space within a hydro right-of-way adjacent to a golf course fairway to the east.

2 Methodology

An inventory and assessment of all trees with a diameter at breast height (DBH) of 10 centimetres or more was completed on September 10th, 2018 and September 17th, 2019 in accordance with City of Burlington standards by an Arborist certified by the International Society of Arboriculture (ISA). All trees on or directly adjacent to the subject property were assessed and data collected on the species, diameter, crown size, health and condition.

Each tree was assigned a condition rating of good, fair, poor, or dead, based on the following criteria:

- ***Poor*** – Severe dieback, significant lean, missing leader, major defects, significant decay and/or disease presence;
- ***Fair*** – Moderate dieback and/or lean, limb defects, multiple stems, moderate foliage damage from stress;
- ***Good*** – Healthy vigorous growth, minor visible defects or damage; or
- ***Dead*** – No live growth.

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

Trees were tagged with metal numbered labels using a staple gun. The location of each tree for Areas A and B was surveyed by Rady-Pentek & Edward Surveying Ltd., a Registered Ontario Land Surveyor.

Tree locations for Areas C, D, and E were recorded by Beacon's Arborist using a survey-grade Aero Gold GNSS receiver and were also surveyed by Rady-Pentek & Edward Surveying Ltd.

For the purpose of calculating the aggregate caliper of trees proposed for removal, the DBH of multi-stemmed trees was calculated as the square root of the sum of each stem squared, rounded to the nearest centimetre.

Appendix A presents the limitations and detailed methodology of the tree assessment.

3 Results

A total of 577 trees were tagged and assessed on the subject property. See **Appendix B** for detailed results of the tree inventory and assessment.

Dominant species identified include Silver Maple (*Acer saccharinum*) (15.4% of trees inventoried), followed by Austrian Pine (*Pinus nigra*) (14.6% of trees inventoried), Blue Spruce (*Picea pungens)* (13% of trees inventoried), White Spruce (*P.* glauca) (11.6% of trees inventoried), and Norway Maple (*A. platanoides*) (10.6% of trees inventoried). Refer to **Table 2** for a full list of species recorded on the subject property.

Table 2. Summary of Species Inventoried

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Acer platanoides	Norway Maple	61	10.6%
Acer negundo	Manitoba Maple	2	0.3%
Acer saccharinum	Silver Maple	89	15.4%
Acer saccharum	Sugar Maple	4	0.7%
Acer x freemanii	Freeman's Maple	22	3.8%
Carya ovata	Shagbark Hickory	1	0.2%
Fraxinus pennsylvancia	Green Ash	34	5.9%
Gleditsia triacanthos (cultivar)	Honey Locust	8	1.4%
Malus spp.	Apple	9	1.6%
Picea abies	Norway Spruce	25	4.3%
Picea glauca	White Spruce	67	11.6%
Picea pungens	Blue Spruce	75	13.0%
Pinus nigra	Austrian Pine	84	14.6%
Pinus strobus	White Pine	27	4.7%
Pinus sylvestris	Scots Pine	5	0.9%
Populus deltoides	Cottonwood	7	1.2%
Prunus serotina	Black Cherry	1	0.2%
Quercus macrocarpa	Bur Oak	1	0.2%

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Quercus rubra	Red Oak	5	0.9%
Salix alba	White Willow	2	0.3%
Salix alba 'Tristis'	Weeping Willow	2	0.3%
Salix fragilis	Crack Willow	1	0.2%
Thuja occidentalis	White Cedar	23	4.0%
Thuja occidentalis 'Emerald'	Emerald Cedar	5	0.9%
Tilia cordata	Little Leaf Linden	14	2.4%
Ulmus americana	American Elm	3	0.5%
Total		**577**	**100%**

All trees inventoried were planted landscape trees located on the golf course lands or in the c or regional road allowance. Most trees were mid-aged, with an average DBH of 30 cm. Tree diameters ranged from 10 cm to 62 cm DBH.

The majority of trees inventoried were in good or fair-good condition (82%), 7% of trees were in poor or fair-poor condition and 12% of trees inventoried were in fair condition. Of the trees in poor or fair-poor condition, 49% are Green Ash which are in decline or are almost dead due to Emerald Ash Borer (EAB) (*Agrilus planipennis*) infestation.

Detailed results for Areas A – E are presented below.

3.1 Results: Area A

Area A contains a total of 250 trees. Dominant species include Silver Maple (20.0%), Austrian Pine (19.2%), and Blue Spruce (11.6%). Trees ranged in size from 12cm-54cm DBH with an average of 30cm DBH. Trees were generally in good or fair-good condition (87%). 6% of trees inventoried in Area A were in fair condition, and 7% were in poor or fair-poor condition. Of the trees in poor or fair-poor condition 53% were Ash trees showing signs of EAB infestation. **Table 3** provides a summary of species recorded in Area A.

Table 3. Summary Species Inventoried in Area A

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Acer platanoides	Norway Maple	17	6.8%
Acer saccharinum	Silver Maple	50	20.0%
Acer x freemanii	Freeman's Maple	8	3.2%
Fraxinus pennsylvancia	Green Ash	21	8.4%
Gleditsia triacanthos (cultivar)	Honey Locust	7	2.8%
Malus spp.	Apple	9	3.6%

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Picea abies	Norway Spruce	18	7.2%
Picea glauca	White Spruce	13	5.2%
Picea pungens	Blue Spruce	29	11.6%
Pinus nigra	Austrian Pine	48	19.2%
Pinus strobus	White Pine	8	3.2%
Populus deltoides	Cottonwood	2	0.8%
Quercus macrocarpa	Bur Oak	1	0.4%
Quercus rubra	Red Oak	1	0.4%
Salix alba 'Tristis'	Weeping Willow	2	0.8%
Salix fragilis	Crack Willow	1	0.4%
Thuja occidentalis	White Cedar	7	2.8%
Thuja occidentalis 'Emerald'	Emerald Cedar	1	0.4%
Tilia cordata	Little Leaf Linden	7	2.8%
	Total	**250**	**100%**

3.2 Results: Area B

Area B contains a total of 196 trees. Dominant species include Silver Maple (19.9%), Norway Maple (15.3%), and Austrian Pine (13.8%). Trees ranged in size from 10 cm - 62 cm DBH with an average of 32 cm DBH. Trees were generally in good or fair-good condition (77%). 15% of trees inventoried in Area B were in fair condition, and 8% were in poor or fair-poor condition. 44% of the trees in poor or fair-poor condition were Ash. **Table 4** provides a summary of species recorded in Area B.

Table 4. Summary Species Inventoried in Area B

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Acer platanoides	Norway Maple	30	15.3%
Acer negundo	Manitoba Maple	1	0.5%
Acer saccharinum	Silver Maple	39	19.9%
Acer saccharum	Sugar Maple	1	0.5%
Acer x freemanii	Freeman's Maple	4	2.0%
Fraxinus pennsylvancia	Green Ash	9	4.6%
Gleditsia triacanthos (cultivar)	Honey Locust	1	0.5%
Picea abies	Norway Spruce	3	1.5%
Picea glauca	White Spruce	24	12.2%
Picea pungens	Blue Spruce	17	8.7%
Pinus nigra	Austrian Pine	27	13.8%
Pinus strobus	White Pine	12	6.1%

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Populus deltoides	Cottonwood	3	1.5%
Prunus serotina	Black Cherry	1	0.5%
Quercus rubra	Red Oak	2	1.0%
Thuja occidentalis	White Cedar	15	7.7%
Thuja occidentalis 'Emerald'	Emerald Cedar	4	2.0%
Tilia cordata	Little Leaf Linden	3	1.5%
	Total	**196**	**100%**

3.3 Results: Area C

Area C contains a total of 75 trees. Dominant species include White Spruce (25.3%), Freeman's Maple (12.0%), and Norway Maple (10.7%). Trees ranged in size from 12 cm – 52 cm DBH with an average of 24 cm DBH. Trees were generally in good or fair-good condition (73%). 20% of trees inventoried in Area C were in fair condition, and 6% were in poor or fair-poor condition. 40% of the trees in poor or fair-poor condition were Ash. **Table 5** provides a summary of species recorded in Area C.

Table 5. Summary of Species Inventoried in Area C

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Acer platanoides	Norway Maple	8	10.7%
Acer saccharum	Sugar Maple	3	4.0%
Acer x freemanii	Freeman's Maple	9	12.0%
Carya ovata	Shagbark Hickory	1	1.3%
Fraxinus pennsylvancia	Green Ash	2	2.7%
Picea glauca	White Spruce	19	25.3%
Picea pungens	Blue Spruce	12	16.0%
Pinus nigra	Austrian Pine	3	4.0%
Pinus strobus	White Pine	7	9.3%
Pinus sylvestris	Scots Pine	5	6.7%
Populus deltoides	Cottonwood	2	2.7%
Salix alba	White Willow	2	2.7%
Thuja occidentalis	White Cedar	1	1.3%
Tilia cordata	Little Leaf Linden	1	1.3%
	Total	**75**	**100%**

3.4 Results: Area D

Area D contains a total of 35 trees. Dominant species include White Spruce (31.4%), Austrian Pine (17.1%), and Norway Maple (17.1%). Trees ranged in size from 10 cm – 52 cm DBH with an average of 23 cm DBH. All but one tree inventoried in Area D was in good condition (97%). The remaining tree was in fair condition (3%). **Table 6** provides a summary of species recorded in Area D.

Table 6. Summary of Species Inventoried in Area D

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Acer platanoides	Norway Maple	6	17.1%
Picea abies	Norway Spruce	4	11.4%
Picea glauca	White Spruce	11	31.4%
Picea pungens	Blue Spruce	2	5.7%
Pinus nigra	Austrian Pine	6	17.1%
Tilia cordata	Little Leaf Linden	3	8.6%
Ulmus americana	American Elm	3	8.6%
	Total	**35**	**100%**

3.5 Results: Area E

Area E contains a total of 21 trees. Dominant species include Blue Spruce (71.4%), Green Ash (9.5%), and Red Oak (*Quercus rubra*) (9.5%). Trees ranged in size from 10 cm – 26 cm DBH with an average of 17 cm DBH. Trees were generally in good or fair-good condition (86%). 9% of trees inventoried in Area E were in fair condition, and 5% were in poor or fair-poor condition. All the trees in poor or fair-poor condition were Ash. **Table 7** provides a summary of species recorded in Area E.

Table 7. Summary of Species Inventoried in Area E

Species		Number of Trees	Percentage of Total
Botanical Name	**Common Name**		
Acer negundo	Manitoba Maple	1	4.8%
Acer x freemanii	Freeman's Maple	1	4.8%
Fraxinus pennsylvancia	Green Ash	2	9.5%
Picea pungens	Blue Spruce	15	71.4%
Quercus rubra	Red Oak	2	9.5%
	Total	**21**	**100%**

4 Applicable Policies and By-Laws

Depending on tree location, size, and other factors, the destruction or injury of trees on and adjacent to the subject property may be subject to by-laws and policies enacted by the City of Burlington and/or the Region of Halton.

The City of Burlington's *Public Tree By-law (68-2013)* regulates the destruction or injury of trees located on public property (e.g., within the road right-of-way). Injury or destruction of City-owned trees requires prior authorization from the City Arborist in the form of a Tree Permit.

Per Section 1.18 of the By-law, where the removal of City-owned trees:

> *Is not required due to age, health or other reasons in accordance with sound arboricultural practices, the applicant shall plant Tree(s) with the total combined diameter being equal to or greater than that of the Tree(s) to be removed. Where the total combined diameter of the Tree(s) to be planted is less than the total combined diameter of the Tree(s) removed, Council approval will be required.*

Furthermore, per Section 1.19 of the By-law,

> *The City Arborist shall not issue a Tree Permit for Trees located on Public Property immediately abutting Private Property for which a development application has been submitted, until such time as the development application has been approved and Council has also approved the removal of these Trees.*

The City of Burlington's *Specification No. SS12A, "Tree Protection and Preservation"* describes measures required to protect trees not designated for removal within the City's road right-of-way and recommends protection measures for private trees to be enacted at the discretion of the consulting arborist or as required as a condition of site plan approval or subdivision agreement.

Specification No. SS12A provides requirements for Minimum Tree Protection Zones (MTPZs); Critical Root Zones (CRZs); tree protection barriers; tree pruning, removal and transplant; construction practices/techniques; securities for non-compliance and other considerations.

In addition, Halton Region Report No. LPS31-08 – Tree-Canopy Replacement Policy on Regionally Owned Lands specifies that trees on Regionally-owned lands are subject to a canopy replacement schedule (**Table 8**).

Table 8. Halton Region Canopy Replacement Schedule

Diameter of Existing Tree Removed	Number of Replacement Trees (6 cm caliper)
Less than 10 cm	1
Between 10 & 15 cm	2
Between 16 & 20 cm	3
Between 21 & 25 cm	4
Over 25 cm	Equivalent of 6 cm caliper trees or greater needed to equal diameter of the tree removed

Conifer ≤ 20 cm dia.	Two 200 cm (in height) conifer trees
Conifer > 20 cm dia.	Four 200 cm (in height) conifer trees

5 Tree Removals and Preservation Opportunities

Based on review of the Development Concept (Gerrard Design, 2022), and the Grading Plans for each Area (Urbantech Consulting, 2022) a total of 373 trees require removal (see **Figure 2** and **Table 8**). Of these 373 trees, 331 require removal due to conflicts with the proposed development and 42 require removal due to poor condition. Trees recommended for removal due to condition are not expected to survive anticipated impacts or will become hazard trees in the near future; this includes all Ash trees on the subject property.

A total of 204 trees are proposed to be preserved on the subject property. Of these 204 trees it is expected that 24 will be injured due to the proposed development and grading works. Trees to be retained with injury are considered to be in good condition and are expected to recover from anticipated impacts. Trees recommended for preservation includes those located within buffers, landscape areas, proposed residential lots, and greenspace. Trees in this category are characterized by White Spruce (19%), Norway Maple (17%), and Sugar Maple (12%) that are generally in good or fair-good condition; and range in size from 10 cm – 60 cm DBH with an average of 29 cm DBH. A summary of tree preservation and removals is contained in **Table 9** and **Figures TP-1** through **TP-5**.

Trees proposed for removal are dominated by Austrian Pine (18%), Silver Maple (16%), and Blue Spruce (14%). DBH ranges from 10 cm – 62 cm with an average DBH of 30 cm. Trees for removal are generally in good or fair-good condition. Based on the aggregate-caliper method, the total caliper of all trees for removal (including those being removed due to condition) is 10,750 cm. Of this total, 18 cm is accounted for by City-owned trees. Tree replacement sizes, quantities, compensation for dead and/or Ash trees, and planting locations across the subject property shall be determined through consultation with the City of Burlington (note that dead trees and Ash trees have been included in the aggregate caliper calculations). *At a minimum*, compensation equivalent to the aggregate caliper of City-owned trees is required (18 cm). Compensation plantings will include plantings associated with the proposed restoration of Appleby Creek, parkland/open space, landscape buffers, and streetscaping[1]. **Table 10** provides a summary of the aggregate-caliper calculations for each development Area.

Trees proposed for removal that are owned or partially owned by Halton Region (i.e., on the boundary between private land and regional lands) include tree nos. 717 (22 cm DBH) and 3369 (30 cm DBH). As these trees are subject to the Halton Region Canopy Replacement Schedule (**Table 8**), they have not been included in aggregate caliper replacement calculations.

Notably, there is opportunity for refinement of tree removal, preservation, and compensation opportunities at the detailed design stage (i.e., when detailed grading plans are available).

[1] *Note that the grading plan will be refined at detailed design, which will necessitate updates to the tree preservation plan and the landscape plan. This workflow ensures that compensation plantings will account for the aggregate caliper of trees proposed for removal.*

Table 9. Summary of All Trees Proposed for Preservation and Removal

Species		Remove-Development	Remove-Condition	Preserve	Preserve with Injury
Botanical Name	**Common Name**				
Acer platanoides	Norway Maple	22	4	31	4
Acer negundo	Manitoba Maple	1		1	
Acer saccharinum	Silver Maple	63		20	6
Acer saccharum	Sugar Maple	1		2	1
Acer x freemanii	Freeman's Maple	15	1	5	2
Carya ovata	Shagbark Hickory				1
Fraxinus pennsylvancia	Green Ash		34		
Gleditsia triacanthos (cultivar)	Honey Locust	4		4	
Malus pumila	Apple	1		1	
Malus sylvestris	Crab Apple	1		6	
Picea abies	Norway Spruce	10	1	12	2
Picea glauca	White Spruce	26	2	37	3
Picea pungens	Blue Spruce	55		19	
Pinus nigra	Austrian Pine	69		13	2
Pinus strobus	White Pine	21		5	1
Pinus sylvestris	Scots Pine	2		2	1
Populus deltoides	Cottonwood	6			
Prunus serotina	Black Cherry	1			
Quercus macrocarpa	Bur Oak	1			
Quercus rubra	Red Oak	4			1
Salix alba	White Willow			2	
Salix alba 'Tristis'	Weeping Willow	1		1	
Salix fragilis	Crack Willow			1	
Thuja occidentalis	White Cedar	12		11	
Thuja occidentalis 'Emerald'	Emerald Cedar	4		1	
Tilia cordata	Little Leaf Linden	11		3	
Ulmus americana	American Elm			3	
	Totals	**331**	**42**	**180**	**24**

EXISTING RESIDENTIAL

PARKLANE CRESCENT

EXISTING RESIDENTIAL

CANADIAN NATIONAL RAILWAY

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

MILLCROFT PARK DRIVE

EXISTING RESIDENTIAL

HADFIELD COURT

EXISTING RESIDENTIAL

UPPER MIDDLE ROAD

IRRIGATION POND

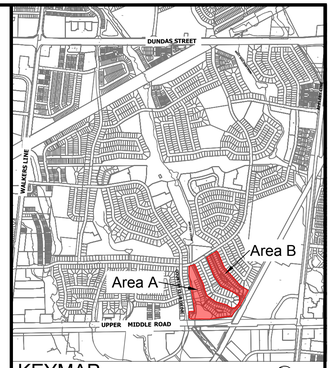
PROPOSED FLOODLINE

PROPOSED FLOODLINE +7.5m BUFFER

LIMIT OF GRADING

LIMIT OF GRADING

EXISTING RESIDENTIAL



KEYMAP NTS

LEGEND

- Property Boundary
- Tree Preservation Fence
- Limit of Grading
- 1678 Tree tag
- Tree Crown
- Minimum Tree Protection Zone
- Critical Root Zone

Tree Location

- Tree to be Preserved
- Tree to be Removed
- Tree to be Preserved With Injury
- Area of Incursion Into Tree Protection Zones

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

N°	REVISIONS	DATE:	BY:
6	RE-ISSUED	2022/03/23	TS
5	UPDATED TO INCLUDE HOARDING	2020/12/09	NC
4	UPDATED TO INCLUDE CONCEPT PLAN	2020/11/17	NC
3	UPDATED PRESERVATION RECOMMENDATIONS	2020/10/09	NC
2	REVISED TO INCLUDE GRADING PLAN	2020/03/03	NC
1	ISSUED	2019/12/19	NC

SCALE

1:750 0 10 20m

NORTH ARROW

CERTIFIED ARBORIST ISA — TODD SMITH #ON-1608A

CERTIFIED ARBORIST ISA — ASH BARON #ON-1821A

BEACON ENVIRONMENTAL

CLIENT

MILLCROFT GREENS CORPORATION

PROJECT

MILLCROFT GREENS

SHEET TITLE

AREAS A & B TREE INVENTORY AND PRESERVATION PLAN

DESIGN BY: --	PROJECT N°: 216081.3
DRAWN BY: AD	FIGURE N°: TP-1
CHECKED BY: TS	
DATE: 23 March 2022	

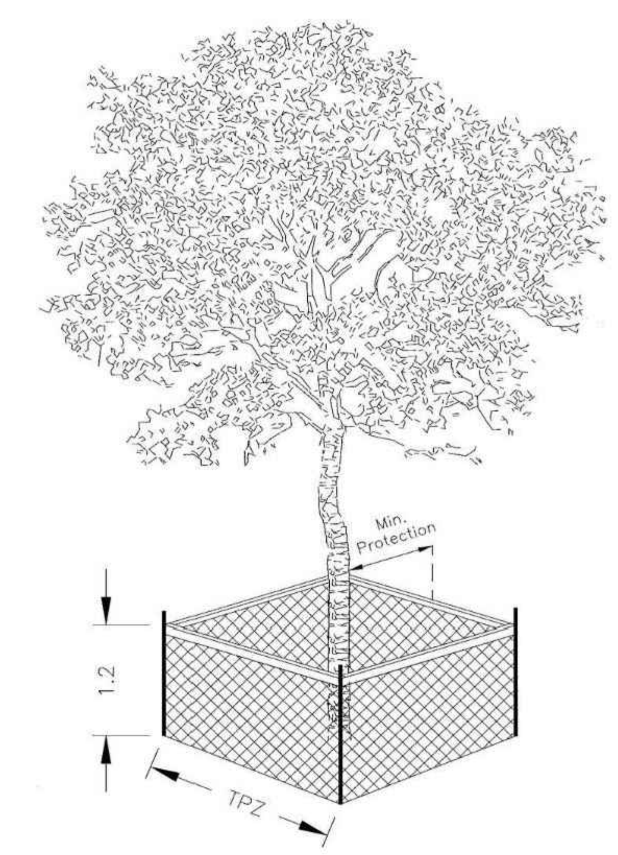
TREE INVENTORY AREA A

TREE ID	SPECIES	COMMON NAME	DBH	MTPZ	MTPZ INCURSION	CRZ	CRZ INCURSION	CROWN	CONDITION	COMMENTS	OWNERSHIP	RECOMMENDATION
3351	Malus sylvestris	Crab Apple	28	2.4		4		4	Good		Private	Preserve
3352	Malus sylvestris	Crab Apple	20/ 20	2.4		4		6	Good		Private	Preserve
3353	Malus sylvestris	Crab Apple	22	2.4		4		5	Good		Private	Preserve
3354	Malus sylvestris	Crab Apple	18/ 16	2.4		4		6	Fair-Good	Shaded	Private	Preserve
3355	Picea pungens	Blue Spruce	30	2.4		4		6	Good		Private	Preserve
3356	Picea pungens	Blue Spruce	42	3		5		6	Good		Private	Preserve
3357	Picea pungens	Blue Spruce	42	3		5		7	Good		Private	Preserve
3358	Picea pungens	Blue Spruce	44	3		5		6	Good		Private	Preserve
3359	Picea pungens	Blue Spruce	32	2.4		4		4	Fair	Lower limbs removed	Private	Preserve
3360	Picea pungens	Blue Spruce	46	3		5		7	Good		Private	Preserve
3361	Picea pungens	Blue Spruce	46	3		5		4	Good	In ROW	Halton Region	Preserve
3362	Malus sylvestris	Crab Apple	17/10/16/12	2.4		4		5	Fair		Private	Preserve
3363	Malus sylvestris	Crab Apple	12/14/14	2.4		4		5	Fair		Private	Preserve
3364	Malus pumila	Apple	10/12/12	2.4		4		4	Fair		Private	Preserve
3365	Malus pumila	Apple	14/10/10/16/12	2.4		4		6	Fair-Poor	Top snapped off	Private	Remove-SWM pond grading
3366	Malus sylvestris	Crab Apple	14/24	2.4		4		5	Fair-Good		Private	Remove-SWM pond grading
3367	Acer platanoides	Norway Maple	34	2.4		4		8	Fair	Crown dieback	Private	Remove-SWM pond grading
3368	Acer platanoides	Norway Maple	28	2.4		4		8	Fair-Good		Private	Remove-SWM pond grading
3369	Acer platanoides	Norway Maple	30	2.4		4		7	Good		Halton Region	Remove-SWM pond grading
3370	Acer platanoides	Norway Maple	22	2.4		4		8	Good		Private	Remove-SWM pond grading
3371	Acer platanoides	Norway Maple	22	2.4		4		6	Good		Private	Remove-SWM pond grading
3372	Acer saccharinum	Silver Maple	20	2.4		4		5	Good		Private	Remove-new trail grading
3373	Acer saccharinum	Silver Maple	14	2.4		4		5	Fair	Wound at base	Private	Preserve
3374	Acer saccharinum	Silver Maple	28	2.4		4		7	Good		Private	Preserve
3375	Acer saccharinum	Silver Maple	22	2.4		4		5	Good		Private	Preserve
3376	Salix alba 'Tristis'	Weeping Willow	26	2.4		4		8	Good		Private	Remove-new trail grading
3377	Fraxinus pennsylvanica	Green Ash	24	2.4		4		7	Good		Private	Remove - tree not a candidate for retention
3378	Acer saccharinum	Silver Maple	20	2.4		4		6	Fair-Good		Private	Preserve
3379	Salix fragilis	Crack Willow	18/22/30/10/14/12/22/20/12	2.4		4		20	Good		Private	Preserve
3380	Acer saccharinum	Silver Maple	42	3		5		10	Good		Private	Preserve
3381	Tilia cordata	Little Leaf Linden	28	2.4		4		5	Good		Private	Preserve
3382	Acer saccharinum	Silver Maple	40	3		4		10	Good		Private	Preserve
3383	Fraxinus pennsylvanica	Green Ash	16	2.4		4		5	Fair-Good		Private	Remove - tree not a candidate for retention
3384	Acer saccharinum	Silver Maple	34	2.4		4		10	Good		Private	Preserve
3385	Acer saccharinum	Silver Maple	50	3		5		20	Good		Private	Preserve
3386	Acer saccharinum	Silver Maple	26	2.4		4		8	Good		Private	Preserve
3387	Fraxinus pennsylvanica	Green Ash	44	3		5		22	Poor	EAB, dying, dead branches	Private	Remove - tree not a candidate for retention
3388	Fraxinus pennsylvanica	Green Ash	20	2.4		4		9	Fair-Good	Shaded	Private	Remove - tree not a candidate for retention
3389	Acer platanoides	Norway Maple	30	2.4		4		5	Good		Private	Preserve
3390	Acer saccharinum 'Laciniatum'	Silver Maple	30	2.4		4		7	Good		Private	Preserve
3391	Acer saccharinum 'Laciniatum'	Silver Maple	42	3		5		12	Good		Private	Preserve
3392	Acer saccharinum 'Laciniatum'	Silver Maple	32	2.4		4		7	Good		Private	Preserve
3393	Acer saccharinum	Silver Maple	52	3.6		6		10	Good		Private	Preserve
3394	Fraxinus pennsylvanica	Green Ash	32	2.4		4		8	Fair-Poor	EAB, dying	Private	Remove - tree not a candidate for retention
3395	Fraxinus pennsylvanica	Green Ash	20	2.4		4		6	Fair-Poor	EAB, cracks in trunk	Private	Remove - tree not a candidate for retention
3396	Fraxinus pennsylvanica	Green Ash	42	3		5		12	Poor	EAB, almost dead	Private	Remove - tree not a candidate for retention
3397	Acer x freemanii	Freeman's Maple	34	2.4		4		6	Good		Private	Preserve
3398	Pinus nigra	Austrian Pine	16	2.4		4		4	Good		Private	Preserve
3399	Acer x freemanii	Freeman's Maple	34	2.4		4		6	Good		Private	Preserve
3400	Acer x freemanii	Freeman's Maple	48	3		5		15	Good		Private	Preserve
3401	Acer saccharinum 'Laciniatum'	Silver Maple	28	2.4		4		4	Good		Private	Preserve
3402	Acer saccharinum 'Laciniatum'	Silver Maple	36	2.4		4		7	Good		Private	Preserve
3403	Picea pungens	Blue spruce	34/30	2.4		4		10	Good	Included bark, dead branches	Private	Preserve
3404	Picea pungens	Blue spruce	28	2.4		4		6	Fair-Poor	Top dead	Private	Preserve
3405	Picea pungens	Blue spruce	44	3		5		9	Good		Private	Preserve
3406	Fraxinus pennsylvanica	Green Ash	24	2.4		4		6	Poor	EAB, dying	Private	Remove - tree not a candidate for retention
3407	Salix alba 'Tristis'	Weeping Willow	34	2.4		4		8	Good		Private	Preserve
3408	Fraxinus pennsylvanica	Green Ash	26	2.4		4		6	Poor	EAB, dying	Private	Remove - tree not a candidate for retention
3409	Picea pungens	Blue Spruce	35/32	2.4		4		10	Good		Private	Preserve
3410	Fraxinus pennsylvanica	Green Ash	16	2.4		4		3	Good		Private	Remove - tree not a candidate for retention
3411	Fraxinus pennsylvanica	Green Ash	12	2.4		4		3	Good		Private	Remove - tree not a candidate for retention
3412	Fraxinus pennsylvanica	Green Ash	24	2.4		4		5	Poor	EAB, dying	Private	Remove - tree not a candidate for retention
3413	Fraxinus pennsylvanica	Green Ash	22	2.4		4		4	Poor	EAB, dying	Private	Remove - tree not a candidate for retention
3414	Tilia cordata	Little Leaf Linden	30	2.4		4		6	Good		Private	Preserve
3415	Tilia cordata	Little Leaf Linden	38	2.4		4		10	Good		Private	Preserve
3416	Gleditsia triacanthos	Honey Locust	15	2.4		4		7	Good		Private	Preserve
3417	Gleditsia triacanthos	Honey Locust	20/20	2.4		4		8	Good		Private	Preserve
3418	Gleditsia triacanthos	Honey Locust	24	2.4		4		8	Good		Private	Preserve
3419	Gleditsia triacanthos	Honey Locust	14	2.4		4		5	Fair-Good	Wound at base	Private	Preserve
3420	Populus deltoides	Cottonwood	34	2.4		4		8	Good		Private	Remove-creek valley grading
3421	Quercus rubra	Red Oak	44	3		5		20	Good		Private	Remove-creek valley grading
3422	Thuja occidentalis	White cedar	34	2.4		4		4	Good		Private	Remove-creek valley grading
3423	Pinus nigra	Austrian Pine	36	2.4		4		7	Fair-Good		Private	Remove-creek valley grading
3424	Thuja occidentalis	White Cedar	20/20/12/24	2.4		4		6	Good		Private	Remove-creek valley grading
3425	Pinus nigra	Austrian Pine	32	2.4		4		5	Good		Private	Remove-creek valley grading
3426	Pinus nigra	Austrian Pine	38	2.4		4		6	Good		Private	Remove-creek valley grading
3427	Pinus nigra	Austrian Pine	38	2.4		4		8	Good		Private	Remove-creek valley grading
3428	Pinus nigra	Austrian Pine	36	2.4		4		7	Good		Private	Remove-creek valley grading
3429	Pinus nigra	Austrian Pine	34	2.4		4		7	Good		Private	Remove-creek valley grading
3430	Thuja occidentalis	White Cedar	22/26	2.4		4		6	Good		Private	Remove-creek valley grading
3431	Pinus nigra	Austrian Pine	30	2.4		4		6	Good		Private	Remove-creek valley grading
3432	Thuja occidentalis	White Cedar	18/18/20	2.4		4		5	Good		Private	Remove-creek valley grading
3433	Pinus nigra	Austrian Pine	28	2.4		4		5	Good		Private	Remove-creek valley grading
3434	Pinus nigra	Austrian Pine	36	2.4		4		5	Good		Private	Remove-creek valley grading
3435	Pinus nigra	Austrian Pine	36	2.4		4		6	Good		Private	Remove-creek valley grading
3436	Picea pungens	Blue Spruce	32	2.4		4		5	Good		Private	Remove-creek valley grading
3437	Picea pungens	Blue Spruce	32	2.4		4		6	Good		Private	Remove-creek valley grading
3438	Picea pungens	Blue Spruce	26	2.4		4		4	Good		Private	Remove-creek valley grading
3439	Picea pungens	Blue Spruce	32	2.4		4		6	Good		Private	Remove-creek valley grading
3440	Thuja occidentalis	White Cedar	18/26/20	2.4		4		8	Fair-Good	Stems splay out, prone to collapse	Private	Remove-creek valley grading
3441	Picea pungens	Blue Spruce	30	2.4		4		6	Good		Private	Remove-creek valley grading
3442	Fraxinus pennsylvanica	Green Ash	30	2.4		4		7	Poor	EAB, dying	Private	Remove - tree not a candidate for retention
3443	Acer x freemanii	Freeman's Maple	32	2.4		4		8	Good		Private	Remove-creek valley grading
3444	Acer saccharinum	Silver Maple	42	3		5		17	Good		Private	Remove-creek valley grading
3445	Acer saccharinum	Silver Maple	34	2.4		4		6	Good	Silver Maple	Private	Remove-creek valley grading
3446	Picea pungens	Blue Spruce	14	2.4		4		3	Good		Private	Remove-proposed roadway
3447	Picea abies	Norway Spruce	38	2.4		4		10	Good		Private	Preserve
3448	Picea abies	Norway Spruce	24	2.4		4		8	Good		Private	Remove-proposed roadway
3449	Picea abies	Norway Spruce	38	2.4		4		10	Good		Private	Preserve
3450	Picea abies	Norway Spruce	18	2.4		4		6	Good		Private	Preserve
3451	Pinus nigra	Austrian Pine	32	2.4		4		6	Good		Private	Remove-proposed roadway
3452	Pinus nigra	Austrian Pine	28/28	2.4		4		9	Good		Private	Remove-proposed roadway
3453	Acer x freemanii	Freeman's Maple	12	2.4		4		4	Good		Private	Remove-proposed roadway
3454	Pinus nigra	Austrian Pine	36	2.4		4		7	Good		Private	Preserve
3455	Picea pungens	Blue Spruce	20	2.4		4		2	Good		Private	Remove-proposed roadway
3456	Picea pungens	Blue Spruce	32	2.4		4		6	Good		Private	Remove-proposed roadway
3457	Picea glauca	White Spruce	24	2.4		4		5	Good		Private	Preserve
3458	Picea glauca	White Spruce	24	2.4		4		5	Good		Private	Preserve
3459	Picea pungens	Blue Spruce	26	2.4		4		5	Good		Private	Remove-proposed roadway
3460	Picea pungens	Blue Spruce	26	2.4		4		4	Good		Private	Remove-proposed roadway
3461	Picea pungens	Blue Spruce	26	2.4		4		5	Good		Private	Remove-proposed roadway
3462	Acer platanoides	Norway Maple	40	2.4		4		6	Good		Private	Preserve
3463	Picea glauca	White spruce	28	2.4		4		8	Good		Private	Remove-proposed roadway
3464	Pinus nigra	Austrian Pine	28	2.4		4		4	Good		Private	Remove-proposed roadway
3465	Picea pungens	Blue Spruce	28	2.4		4		5	Good		Private	Preserve
3466	Pinus nigra	Austrian Pine	30/38	2.4	0.8%	4	6.4%	8	Fair-Good		Private	Preserve with Injury - proposed swale
3467	Picea glauca	White Spruce	24	2.4		4		5	Fair	Thinning canopy	Private	Preserve
3468	Acer platanoides	Norway Maple	34	2.4		4		10	Poor	Large wound in trunk- dying	Private	Remove-Condition
3469	Picea glauca	White Spruce	32	2.4		4		8	Fair	Thinning canopy	Private	Preserve
3470	Acer x freemanii	Freeman's Maple	12	2.4		4		4	Good		Private	Remove-proposed roadway
3471	Thuja occidentalis	White Cedar	24/8	2.4		4		5	Good		Private	Remove-proposed roadway
3472	Picea glauca	White Spruce	34	2.4		4		6	Good		Private	Preserve
3473	Acer platanoides	Norway Maple	24	2.4		4		7	Good		Private	Preserve
3474	Pinus nigra	Austrian Pine	34	2.4		4		8	Good		Private	Remove-proposed swale
3475	Picea glauca	White Spruce	32	2.4		4		7	Good		Private	Preserve
3476	Picea abies	Norway Spruce	34	2.4		4		10	Good		Private	Preserve
3477	Picea abies	Norway Spruce	26	2.4		4		6	Fair-Good	Dead branches-shaded	Private	Preserve
3478	Picea abies	Norway Spruce	38	2.4		4		10	Good		Private	Preserve
3479	Pinus nigra	Austrian Pine	26	2.4		4		8	Good		Private	Remove-proposed swale
3480	Pinus nigra	Austrian Pine	35	2.4		4		10	Good		Private	Remove-Proposed Storage Tank
3481	Thuja occidentalis	White Cedar	22/22	2.4		4		5	Good		Private	Remove-Proposed Storage Tank
3482	Thuja occidentalis 'Emerald'	Emerald Cedar	15/8	2.4		4		2	Good		Private	Remove-proposed roadway
3483	Pinus strobus	White Pine	34	2.4		4		10	Good		Private	Remove-Proposed Storage Tank
3484	Picea abies	Norway Spruce	28	2.4		4		8	Good		Private	Preserve
3485	Picea abies	Norway Spruce	34	2.4		4		10	Good		Private	Preserve
3486	Acer platanoides	Norway Maple	36	2.4		4		15	Good		Private	Preserve
3487	Acer platanoides	Norway Maple	34	2.4		4		8	Good		Private	Preserve
3488	Acer platanoides	Norway Maple	26	2.4	21.0%	4	26.0%	8	Good		Private	Remove-proposed swale
3489	Picea pungens	Blue Spruce	28	2.4		4		6	Good		Private	Remove-Proposed Storage Tank
3490	Pinus strobus	White Pine	34	2.4		4		10	Good		Private	Remove-proposed roadway
3491	Populus deltoides	Cottonwood	50	3		5		8	Poor	Many dead branches- in decline	Private	Remove-Condition
3492	Acer platanoides	Norway Maple	44	3		5		20	Good		Private	Remove-proposed swale
3493	Quercus macrocarpa	Bur Oak	50	3		5		20	Good		Private	Remove-proposed roadway
3494	Pinus nigra	Austrian Pine	34	2.4		4		8	Good		Private	Remove-Development
3495	Picea abies	Norway Spruce	34	2.4	18.8%	4	26.6%	8	Good		Private	Preserve with Injury - proposed swale
3496	Picea abies	Norway Spruce	46	3	5.7%	5	18.3%	10	Poor	Dead	Private	Preserve with Injury - proposed swale
3497	Picea abies	Norway Spruce	40	2.4		4		12	Good		Private	Remove-proposed swale
3498	Picea abies	Norway Spruce	32	2.4		4		8	Good		Private	Preserve
3499	Picea abies	Norway Spruce	36	2.4		4		10	Good		Private	Remove-proposed swale
3500	Acer saccharinum	Silver Maple	42	3		5		14	Good		Private	Remove-Development
3851	Pinus nigra	Austrian Pine	28	2.4		4		5	Fair	Top dead	Private	Remove-Development
3852	Picea abies	Norway Spruce	30	2.4	11.6%	4	28.0%	5	Good		Private	Preserve with Injury - proposed swale
3853	Acer saccharinum	Silver Maple	54	3.6		6		22	Good		Private	Remove-Development
3854	Picea abies	Norway Spruce	32	2.4		4		8	Good		Private	Remove-proposed swale
3855	Picea glauca	White Spruce	36	2.4	11.6%	4	26.0%	8	Good		Private	Preserve with Injury - proposed swale
3856	Acer platanoides	Norway Maple	34	2.4		4		9	Good		Private	Remove-proposed swale
3857	Acer platanoides	Norway Maple	28	2.4	20.4%	4	25.6%	6	Good		Private	Preserve with Injury - proposed swale
3858	Acer platanoides	Norway Maple	30	2.4		4		6	Fair-Poor	Very thin canopy	Private	Remove-proposed swale
3859	Acer platanoides	Norway Maple	36	2.4	23.8%	4	28.0%	8	Good		Private	Preserve with Injury - proposed swale
3860	Pinus nigra	Austrian Pine	36	2.4		4		7	Good		Private	Remove-Development
3861	Acer saccharinum	Silver Maple	38	2.4		4		10	Good		Private	Remove-Development
3862	Pinus nigra	Austrian Pine	32	2.4		4		6	Good		Private	Remove-Development
3863	Pinus nigra	Austrian Pine	38	2.4		4		8	Good		Private	Remove-Development
3864	Pinus nigra	Austrian Pine	34	2.4		4		10	Good		Private	Remove-Development
3865	Acer saccharinum	Silver Maple	34	2.4		4		9	Good		Private	Remove-Development
3866	Pinus nigra	Austrian Pine	26	2.4		4		5	Good		Private	Remove-Development
3867	Pinus nigra	Austrian Pine	28	2.4		4		6	Good		Private	Remove-Development
3868	Acer saccharinum	Silver Maple	28	2.4		4		6	Good		Private	Remove-Development
3869	Fraxinus pennsylvanica	Green Ash	28	2.4		4		7	Good		Private	Remove - tree not a candidate for retention
3870	Pinus nigra	Austrian Pine	34	2.4		4		7	Good		Private	Remove-Development
3871	Pinus strobus	White Pine	24	2.4		4		8	Poor	Almost Dead	Private	Remove-Development
3872	Pinus nigra	Austrian Pine	20	2.4		4		7	Fair	Thinning canopy	Private	Remove-proposed swale
3873	Pinus strobus	White Pine	20	2.4		4		4	Poor	Almost Dead	Private	Remove-Development
3874	Pinus nigra	Austrian Pine	34	2.4		4		8	Fair-Good		Private	Remove-Development
3875	Pinus strobus	White Pine	26	2.4		4		4	Fair-Good		Private	Remove-Development
3876	Acer saccharinum	Silver Maple	22	2.4		4		8	Good		Private	Remove-Development
3877	Acer saccharinum	Silver Maple	30	2.4	27.6%	4	36.0%	10	Good		Private	Remove-Development
3878	Fraxinus pennsylvanica	Green Ash	12	2.4		4		4	Good		Private	Remove - tree not a candidate for retention
3879	Fraxinus pennsylvanica	Green Ash	14	2.4		4		4	Good		Private	Remove - tree not a candidate for retention
3880	Pinus nigra	Austrian Pine	34	2.4		4		6	Good		Private	Remove-Development
3881	Pinus nigra	Austrian Pine	30	2.4		4		6	Good		Private	Remove-Development
3882	Acer saccharinum	Silver Maple	42	3	18.7%	5	32.7%	15	Good		Private	Preserve with Injury - proposed development
3883	Pinus nigra	Austrian Pine	32	2.4		4		8	Good		Private	Remove-Development
3884	Pinus nigra	Austrian Pine	34	2.4		4		10	Good		Private	Remove-Development
3885	Pinus nigra	Austrian Pine	30	2.4		4		5	Good		Private	Remove-Development
3886	Pinus nigra	Austrian Pine	28/16	2.4		4		5	Good		Private	Remove-Development
3887	Pinus nigra	Austrian Pine	22/20	2.4		4		5	Good		Private	Remove-Development
3888	Acer saccharinum	Silver Maple	36	2.4		4		15	Good		Private	Remove-Development
3889	Pinus strobus	White Pine	28	2.4		4		8	Good		Private	Remove-Development
3890	Picea abies	Norway Spruce	24	2.4		4		5	Good		Private	Preserve
3891	Picea abies	Norway Spruce	24	2.4		4		5	Good		Private	Remove-Development
3892	Pinus strobus	White Pine	20	2.4		4		2	Fair		Private	Remove-Development
3893	Fraxinus pennsylvanica	Green Ash	24	2.4		4		5	Poor	In decline, EAB	Private	Remove - tree not a candidate for retention
3894	Picea pungens	Blue Spruce	32	2.4		4		4	Good		Private	Remove-Development
3895	Picea pungens	Blue Spruce	24/22	2.4		4		5	Good		Private	Remove-Development
3896	Picea pungens	Blue Spruce	38	2.4		4		6	Good		Private	Remove-Development
3897	Fraxinus pennsylvanica	Green Ash	40	2.4		4		12	Fair-Good		Private	Remove - tree not a candidate for retention
3898	Fraxinus pennsylvanica	Green Ash	38	2.4		4		10	Fair-Good		Private	Remove - tree not a candidate for retention
3899	Pinus strobus	White Pine	13	2.4		4		3	Fair		Private	Remove-Development
3900	Acer saccharinum	Silver Maple	30	2.4		4		8	Fair	Large crack down trunk	Private	Remove-Development
3951	Picea glauca	White Spruce	16	2.4		4		3	Good		Private	Remove-Development
3952	Fraxinus pennsylvanica	Green Ash	26	2.4		4		15	Fair	Dieback in crown	Private	Remove - tree not a candidate for retention
3953	Acer saccharinum	Silver Maple	40	2.4		4		17	Good		Private	Remove-Development
3954	Picea glauca	White Spruce	18	2.4		4		4	Good		Private	Remove-Development
3955	Acer saccharinum	Silver Maple	38	2.4		4		15	Good		Private	Remove-Development
3956	Acer saccharinum	Silver Maple	48	3	15.9%	5	37.7%	18	Good		Private	Preserve with Injury - proposed development
3957	Acer saccharinum	Silver Maple	41	3		5		14	Good		Private	Remove-Development
3958	Picea glauca	White Spruce	20	2.4		4		8	Good		Private	Remove-Development
3959	Tilia cordata	Little Leaf Linden	20	2.4		4		4	Good		Private	Remove-Development
3960	Tilia cordata	Little Leaf Linden	22	2.4		4		4	Good		Private	Remove-Development
3961	Acer saccharinum	Silver Maple	28	2.4		4		8	Good		Private	Remove-Development
3962	Tilia cordata	Little Leaf Linden	20	2.4		4		4	Good		Private	Remove-Development
3963	Acer saccharinum	Silver Maple	28	2.4		4		6	Good		Private	Remove-Development
3964	Acer saccharinum	Silver Maple	38	2.4		4		10	Good		Private	Remove-Development
3965	Acer saccharinum	Silver Maple	40	2.4		4		18	Good		Private	Remove-Development
3966	Acer x freemanii	Freeman's Maple	34	2.4		4		10	Good		Private	Remove-Development
3967	Pinus nigra	Austrian Pine	36	2.4		4		7	Good		Private	Remove-Development
3968	Acer saccharinum	Silver Maple	54	3.6		6		20	Good		Private	Remove-Development
3969	Picea glauca	White spruce	24	2.4		4		7	Good		Private	Remove-Development
3970	Acer x freemanii	Freeman's Maple	12	2.4		4		4	Fair-Poor	Large crack in trunk	Private	Remove-Development
3971	Tilia cordata	Little Leaf Linden	28	2.4		4		7	Good		Private	Remove-Development
3972	Acer saccharinum	Silver Maple	46	3		5		15	Good		Private	Remove-Development
3973	Pinus nigra	Austrian Pine	38	2.4		4		8	Good		Private	Remove-Development
3974	Pinus nigra	Austrian Pine	32	2.4		4		12	Good		Private	Remove-Development
3975	Picea glauca	White Spruce	28	2.4		4		10	Good		Private	Remove-Development
3976	Gleditsia triacanthos	Honey Locust	16	2.4		4		5	Good		Private	Remove-Development
3977	Pinus nigra	Austrian Pine	40	2.4		4		8	Good		Private	Remove-Development
3978	Gleditsia triacanthos	Honey Locust	16	2.4		4		8	Good		Private	Remove-Development
3979	Gleditsia triacanthos	Honey Locust	24	2.4		4		9	Good		Private	Remove-Development
3980	Acer saccharinum	Silver Maple	50	3		5		20	Good		Private	Remove-Development
3981	Pinus nigra	Austrian Pine	38	2.4		4		12	Good		Private	Remove-proposed roadway
3982	Pinus nigra	Austrian Pine	45	3		5		15	Good		Private	Remove-proposed roadway
3983	Pinus nigra	Austrian Pine	38	2.4		4		8	Good		Private	Remove-proposed roadway
3984	Acer saccharinum	Silver Maple	30	2.4		4		12	Good		Private	Remove-proposed roadway
3985	Pinus nigra	Austrian Pine	38	2.4		4		9	Good		Private	Remove-proposed sidewalk
3986	Acer saccharinum	Silver Maple	32	2.4		4		8	Good		Private	Remove-proposed sidewalk
3987	Acer saccharinum	Silver Maple	28	2.4		4		5	Good		Private	Remove-proposed Swale
3988	Pinus nigra	Austrian Pine	46	3		5		12	Good		Private	Remove-Development
3989	Acer saccharinum	Silver Maple	38	2.4	6.1%	4	17.9%	15	Good		Private	Preserve with Injury - proposed path
3990	Pinus nigra	Austrian Pine	38	2.4		4		10	Good		Private	Remove-Development
3991	Pinus nigra	Austrian Pine	42	3		5		18	Good		Private	Remove-Development
3992	Acer saccharinum	Silver Maple	36	2.4		4		9	Good		Private	Remove-Development
3993	Acer saccharinum	Silver Maple	30	2.4		4		12	Good		Private	Remove-Development
3994	Acer saccharinum	Silver Maple	34	2.4		4		12	Good		Private	Remove-Development
3995	Acer saccharinum	Silver Maple	24	2.4		4		8	Good		Private	Remove-Development
3996	Acer saccharinum	Silver Maple	26	2.4		4		7	Good		Private	Remove-Development
3997	Acer saccharinum	Silver Maple	26	2.4		4		12	Good		Private	Remove-Development
3998	Picea pungens	Blue Spruce	32	2.4		4		5	Good		Private	Remove-Development
3999	Picea pungens	Blue Spruce	36	2.4		4		8	Good		Private	Remove-Development
4000	Acer saccharinum	Silver Maple	30	2.4		4		8	Good		Private	Remove-Development

TREE INVENTORY AREA B

TREE ID	SPECIES	COMMON NAME	DBH	MTPZ	MTPZ INCURSION	CRZ	CRZ INCURSION	CROWN	CONDITION	COMMENTS	OWNERSHIP	RECOMMENDATION
246	Fraxinus pennsylvanica	Green Ash	35	2.4		4		10	Fair-Poor	Thin	Private	Remove - tree not a candidate for retention
247	Pinus strobus	White Pine	47	3		5		6	Fair	Shaded-Thin	Private	Preserve
248	Acer platanoides	Norway Maple	32	2.4		4		12	Good		Private	Remove-Development
249	Acer saccharinum	Silver Maple	42	3		5		8	Good		Private	Remove-Development
250	Populus deltoides	Cottonwood	55	3.6		6		8	Poor	In decline, dead branches	Private	Remove-Development
251	Picea abies	Norway Spruce	37	2.4		4		8	Fair	Dead branches, thin	Private	Remove-Development
252	Pinus nigra	Austrian Pine	40	2.4		4		12	Good		Private	Preserve
253	Pinus nigra	Austrian Pine	32	2.4		4		8	Good		Private	Preserve
254	Pinus nigra	Austrian Pine	41	3		5		10	Good		Private	Preserve
255	Picea pungens	Blue Spruce	35	2.4		4		8	Good		Private	Preserve
256	Picea pungens	Blue Spruce	34	2.4		4		6	Fair-Good	Top damaged	Private	Remove-Development
257	Picea pungens	Blue Spruce	36	2.4		4		6	Good		Private	Remove-Development
258	Thuja occidentalis 'Emerald'	Emerald Cedar	30/23/18	2.4		4		6	Fair-Good	Stems splay out, prone to collapse	Private	Remove-Development
259	Thuja occidentalis 'Emerald'	Emerald Cedar	10/28/32	2.4		4		5	Fair-Good	Rope girdling stem, Stems splay out, prone to collapse	Private	Remove-Development
260	Thuja occidentalis 'Emerald'	Emerald Cedar	35	2.4		4		4	Good		Private	Remove-Development
261	Thuja occidentalis 'Emerald'	Emerald Cedar	16/22/10	2.4		4		4	Fair-Good	Stems splay out, prone to collapse	Private	Preserve
262	Acer saccharinum	Silver Maple	12	2.4		4		4	Good		Private	Preserve
263	Acer saccharinum	Silver Maple	12	2.4		4		5	Good		Private	Preserve
264	Acer saccharinum	Silver Maple	12	2.4		4		5	Good		Private	Preserve
265	Acer negundo	Manitoba Maple	11	2.4		4		4	Good		Private	Preserve
266	Thuja occidentalis	White Cedar	18/16/10/14/10/10	2.4		4		5	Fair-Good	wound at base	Private	Preserve
267	Thuja occidentalis	White Cedar	22/8/8/3	2.4		1.8		3	Fair-Good	wound at base	Private	Preserve
268	Thuja occidentalis	White Cedar	14/16/16/18/22	2.4		4		4	Good		Private	Preserve
269	Thuja occidentalis	White Cedar	18	2.4		4		1	Fair		Private	Preserve
270	Thuja occidentalis	White Cedar	15	2.4		4		1	Fair		Private	Preserve
271	Thuja occidentalis	White Cedar	17/18	2.4		4		3	Good		Private	Preserve
272	Thuja occidentalis	White Cedar	20	2.4		4		3	Good		Private	Preserve
273	Thuja occidentalis	White Cedar	10/10/10/13	2.4		4		5	Fair		Private	Preserve
274	Thuja occidentalis	White Cedar	12/10	2.4		4		3	Fair-Poor		Private	Remove-Development
275	Thuja occidentalis	White Cedar	11/18/18	2.4		4		4	Fair-Good		Private	Remove - proposed trail
276	Thuja occidentalis	White Cedar	20	2.4		4		4	Good		Private	Remove - proposed trail
277	Thuja occidentalis	White Cedar	13/24	2.4		4		5	Fair-Good	Leaning	Private	Remove - proposed trail
278	Picea pungens	Blue Spruce	22	2.4		4		2	Fair	Leaning	Private	Remove-Development
1109	Fraxinus pennsylvanica	Green Ash	34	2.4		4		12	Poor	Dying	Private	Remove - tree not a candidate for retention
2804	Acer platanoides	Norway Maple	27	2.4		4		15	Good		Private	Remove-proposed swale
3285	Acer saccharinum	Silver Maple	43	3		5		15	Good		Private	Remove-Development
3287	Pinus nigra	Austrian Pine	43	3	19.2%	5	35.0%	10	Good		Private	Preserve with Injury - proposed swale
3288	Pinus nigra	Austrian Pine	29	2.4		4		6	Good		Private	Remove-proposed swale
3289	Picea pungens	Blue Spruce	26	2.4		4		5	Good		Private	Remove-Development
3290	Pinus nigra	Austrian Pine	35	2.4		4		8	Fair-Good	Thinning canopy	Private	Remove-Development
3291	Picea pungens	Blue Spruce	30	2.4		4		5	Good		Private	Remove-Development
3292	Pinus strobus	White Pine	37	2.4		4		10	Good		Private	Remove-Development
3293	Pinus nigra	Austrian Pine	35	2.4		4		6	Good		Private	Remove-Development
3294	Fraxinus pennsylvanica	Green Ash	40	2.4		4		10	Poor	Dying	Private	Remove - tree not a candidate for retention
3295	Acer saccharinum	Silver Maple	53	3.6	19.2%	6	32.6%	18	Fair-Good	Large wound in trunk	Private	Remove-Development
3296	Pinus strobus	White Pine	34	2.4		4		10	Good		Private	Remove-Development
3297	Populus deltoides	Cottonwood	13	2.4		4		2	Good		Private	Remove-Development
3298	Pinus strobus	White Pine	36	2.4		4		8	Good		Private	Remove-Development
3299	Picea glauca	White Spruce	14/21	2.4		4		5	Fair-Good		Private	Remove-Development
3300	Acer saccharinum	Silver Maple	52	3.6		6		15	Good		Private	Remove-Development
3301	Pinus nigra	Austrian Pine	26	2.4		4		7	Good		Private	Preserve
3302	Pinus strobus	White Pine	22	2.4		4		5	Fair	Top dying	Private	Preserve
3303	Picea pungens	Blue Spruce	22	2.4		4		5	Good		Private	Preserve
3304	Thuja occidentalis	White Cedar	17/14/16/14/22	2.4		4		5	Good		Private	Preserve
3305	Picea glauca	White Spruce	24	2.4		4		6	Fair	Canopy thin	Private	Preserve
3306	Thuja occidentalis	White Cedar	24	2.4		4		4	Good		Private	Preserve
3307	Thuja occidentalis	White Cedar	24/20	2.4		4		6	Good		Private	Remove-proposed trail grading
3308	Acer platanoides	Norway Maple	24	2.4		4		6	Good		Private	Preserve
3309	Pinus strobus	White Pine	26	2.4		4		7	Good		Private	Preserve
3310	Pinus strobus	White Pine	34	2.4		4		10	Good		Private	Preserve
3311	Picea glauca	White Spruce	24	2.4	4.4%	4	20.7%	8	Good		Private	Preserve with Injury - proposed trail grading
3312	Pinus strobus	White Pine	34	2.4		4		10	Good		Private	Preserve
3313	Picea glauca	White Spruce	32	2.4		4		8	Good		Private	Remove-proposed trail grading
3314	Picea glauca	White Spruce	24	2.4		4		5	Fair-Good		Private	Remove-proposed trail grading
3315	Picea glauca	White Spruce	16	2.4		4		2	Good		Private	Preserve
3316	Pinus nigra	Austrian Pine	24	2.4		4		6	Good		Private	Preserve
3317	Pinus nigra	Austrian Pine	34	2.4		4		6	Good		Private	Remove-Development
3318	Pinus nigra	Austrian Pine	36	2.4		4		6	Good		Private	Remove-proposed swale
3319	Acer saccharinum	Silver Maple	54	3.6		6		25	Good		Private	Remove-proposed swale
3320	Acer saccharinum	Silver Maple	50	3		5		20	Good		Private	Preserve
3321	Populus deltoides	Cottonwood	60	3.6		6		18	Fair	Leader gone	Private	Remove-Development
3322	Acer saccharinum	Silver Maple	36	2.4		4		20	Good		Private	Remove-Development
3323	Fraxinus pennsylvanica	Green ash	30	2.4		4		6	Fair	Top thin	Private	Remove - tree not a candidate for retention
3324	Acer saccharinum	Silver Maple	38	2.4		4		8	Good		Private	Remove-Development
3325	Acer saccharinum 'Laciniatum'	Silver Maple	36	2.4		4		8	Good		Private	Remove-Development
3326	Acer saccharinum	Silver Maple	26/20/26/24/18	2.4	N/A	4	4.6%	15	Good		Private	Preserve
3327	Acer saccharinum	Silver Maple	14	2.4		4		5	Fair	Large wound in trunk	Private	Remove-Development
3328	Acer x freemanii	Freeman's maple	38	2.4		4		8	Good		Private	Remove-Development
3329	Acer x freemanii	Freeman's maple	26	2.4		4		6	Good		Private	Remove-Development
3330	Acer x freemanii	Freeman's maple	34	2.4		4		8	Good		Private	Remove-Development
3331	Picea pungens	Blue Spruce	28	2.4		4		5	Good		Private	Remove-Development
3332	Picea pungens	Blue Spruce	30	2.4		4		5	Good		Private	Remove-Development
3333	Picea pungens	Blue Spruce	28	2.4		4		5	Good		Private	Remove-Development
3334	Pinus nigra	Austrian Pine	40	2.4		4		7	Good		Private	Remove-Development
3335	Quercus rubra	Red Oak	36	2.4	14.4%	4	25.4%	8	Good		Private	Preserve with Injury - proposed swale
3336	Quercus rubra	Red Oak	22	2.4	15.5%	4	30.2%	8	Good		Private	Remove-Development
3337	Acer saccharinum	Silver Maple	34	2.4		4		8	Good		Private	Remove-Development
3338	Acer saccharinum	Silver Maple	28	2.4		4		6	Good		Private	Remove-Development
3339	Picea glauca	White Spruce	42	3		5		7	Good		Private	Preserve
3340	Picea glauca	White Spruce	24	2.4		4		5	Fair-Good	Thin	Private	Preserve
3341	Picea glauca	White Spruce	22	2.4		4		5	Fair-Good	Leaning	Private	Preserve
3342	Acer platanoides	Norway Maple	38	2.4		4		12	Good		Private	Preserve
3343	Picea glauca	White Spruce	20	2.4		4		7	Good		Private	Preserve
3344	Fraxinus pennsylvanica	Green Ash	28	2.4		4		6	Poor	Dying, EAB	Private	Remove - tree not a candidate for retention
3345	Picea glauca	White Spruce	10/12	2.4		4		3	Fair-Poor	Codominant branching and thin canopy	Private	Preserve
3346	Picea glauca	White Spruce	12	2.4		4		3	Fair	Thining	Private	Preserve
3347	Acer platanoides	Norway Maple	26	2.4		4		4	Good		Private	Preserve
3348	Fraxinus pennsylvanica	Green Ash	28	2.4		4		7	Poor	Dying, EAB	Private	Remove - tree not a candidate for retention
3349	Acer saccharinum	Silver Maple	14	2.4		4		2	Poor	heavily wounded	Private	Remove-Development
3350	Acer saccharinum	Silver Maple	32	2.4		4		7	Good		Private	Remove-Development
3755	Acer saccharinum	Silver Maple	34	2.4		4		7	Good		Private	Remove-Development
3756	Acer platanoides	Norway Maple	34	2.4		4		10	Good		Private	Preserve
3757	Acer platanoides	Norway Maple	34	2.4		4		10	Good		Private	Preserve
3758	Picea glauca	White Spruce	28	2.4		4		5	Good		Private	Preserve
3759	Acer platanoides	Norway Maple	30	2.4		4		7	Fair	Thining crown	Private	Preserve
3760	Picea glauca	White Spruce	22	2.4		4		4	Fair	Thining crown	Private	Preserve
3761	Acer platanoides	Norway Maple	28	2.4		4		7	Poor	Early leaf drop - dying	Private	Remove - tree not a candidate for retention
3762	Picea glauca	White Spruce	26	2.4		4		3	Fair-Good	Some dieback	Private	Preserve
3763	Picea glauca	White Spruce	30	2.4		4		6	Good		Private	Preserve
3764	Acer platanoides	Norway Maple	30	2.4		4		8	Poor	Thining canopy, no foliage	Private	Remove - tree not a candidate for retention
3765	Picea glauca	White Spruce	28	2.4		4		6	Fair-Good	Shaded	Private	Preserve
3766	Acer saccharinum	Silver Maple	52	3.6		6		18	Good		Private	Remove-Development
3767	Pinus nigra	Austrian Pine	34	2.4		4		6	Good		Private	Remove-Development
3768	Pinus strobus	White Pine	26	2.4		4		8	Good		Private	Remove-Development
3769	Pinus strobus	White Pine	26	2.4		4		8	Good		Private	Remove-Development
3770	Acer saccharinum	Silver Maple	34	2.4		4		6	Fair	Large crack	Private	Remove-Development
3771	Acer platanoides	Norway Maple	42	3		5		20	Good		Private	Preserve
3772	Picea glauca	White Spruce	24	2.4		4		5	Fair-Poor	Heavily shaded	Private	Remove - tree not a candidate for retention
3773	Picea glauca	White Spruce	24	2.4		4		4	Fair-Poor	Heavily shaded	Private	Remove - tree not a candidate for retention
3774	Picea glauca	White Spruce	30	2.4		4		7	Fair	Heavily shaded	Private	Preserve
3775	Acer platanoides	Norway Maple	42	3		5		15	Good		Private	Preserve
3776	Acer platanoides	Norway Maple	26	2.4		4		3	Fair	Heavily shaded	Private	Preserve
3777	Acer platanoides	Norway Maple	20	2.4		4		5	Fair		Private	Preserve
3778	Acer platanoides	Norway Maple	20	2.4		4		3	Poor	Heavily shaded	Private	Remove - tree not a candidate for retention
3779	Acer platanoides	Norway Maple	50	3		5		18	Good		Private	Preserve
3780	Acer saccharinum 'Laciniatum'	Silver Maple	26	2.4		4		8	Good		Private	Remove-Development
3781	Acer x freemanii	Freeman's Maple	38	2.4		4		18	Good		Private	Remove-Development
3782	Picea glauca	White Spruce	26	2.4		4		6	Fair	Heavily shaded	Private	Preserve
3783	Acer platanoides	Norway Maple	44	3		5		18	Good		Private	Preserve
3784	Acer platanoides	Norway Maple	40	2.4		4		18	Good		Private	Preserve
3785	Acer platanoides	Norway Maple	30	2.4		4		18	Good		Private	Preserve
3786	Picea glauca	White Spruce	30	2.4		4		4	Fair	Heavily shaded	Private	Preserve
3787	Pinus nigra	Austrian Pine	34	2.4		4		8	Good		Private	Preserve
3788	Pinus nigra	Austrian Pine	34	2.4		4		10	Good		Private	Preserve
3789	Pinus nigra	Austrian Pine	32	2.4		4		10	Good		Private	Preserve
3790	Acer platanoides	Norway Maple	22	2.4		4		8	Good		Private	Preserve
3791	Picea glauca	White Spruce	24	2.4		4		5	Fair	Heavily shaded	Private	Preserve
3792	Pinus nigra	Austrian Pine	32	2.4		4		8	Good		Private	Remove-proposed swale
3793	Pinus nigra	Austrian Pine	28	2.4		4		7	Good		Private	Remove-proposed swale
3794	Pinus nigra	Austrian Pine	36	2.4		4		9	Good		Private	Preserve
3795	Pinus nigra	Austrian Pine	30	2.4		4		8	Fair	Canopy one sided	Private	Remove-proposed swale
3796	Pinus nigra	Austrian Pine	40	2.4		4		8	Good		Private	Remove-proposed swale
3797	Pinus nigra	Austrian Pine	34	2.4		4		7	Good		Private	Preserve
3798	Acer platanoides	Norway Maple	16	2.4		4		5	Good		Private	Remove-Development
3799	Acer platanoides	Norway Maple	14	2.4		4		4	Fair	Shaded	Private	Preserve
3800	Pinus nigra	Austrian Pine	28	2.4		4		5	Good		Private	Remove-Development
3801	Pinus nigra	Austrian Pine	42	3		5		8	Good		Private	Remove-Development
3802	Pinus nigra	Austrian Pine	39	2.4		4		6	Fair	Dead branch	Private	Remove-Development
3803	Picea abies	Norway Spruce	50	3		5		8	Good		Private	Remove-Development
3804	Picea abies	Norway Spruce	24	2.4		4		3	Fair	Heavy lean	Private	Remove-Development
3805	Acer platanoides	Norway Maple	16	2.4		4		4	Good		Private	Preserve
3806	Acer platanoides	Norway Maple	16	2.4		4		4	Good		Private	Remove-Development
3807	Acer platanoides	Norway Maple	14	2.4		4		3	Good		Private	Preserve
3808	Acer platanoides	Norway Maple	15	2.4		4		4	Fair	Large wound in trunk	Private	Preserve
3809	Acer platanoides	Norway Maple	17	2.4		4		5	Good		Private	Preserve
3810	Acer saccharum	Sugar Maple	34	2.4		4		8	Good		Private	Remove-Development
3811	Picea pungens	Blue Spruce	20	2.4		4		4	Fair		Private	Remove-Development
3812	Picea pungens	Blue Spruce	32	2.4		4		8	Good		Private	Remove-Development
3813	Picea pungens	Blue Spruce	26	2.4		4		5	Good		Private	Remove-Development
3814	Acer platanoides	Norway Maple	40	2.4		4		12	Good		Private	Remove-Development
3815	Acer saccharinum	Silver Maple	11	2.4		4		4	Good		Private	Remove-Development
3816	Gleditsia triacanthos	Honey Locust	41	2.4		5		10	Good		Private	Remove-Development
3817	Acer saccharinum	Silver Maple	50	3	14.5%	5	35.7%	18	Good		Private	Preserve with Injury - proposed swale
3818	Fraxinus pennsylvanica	Green Ash	43	3		5		18	Fair-Poor	Top dying	Private	Remove - tree not a candidate for retention
3819	Pinus nigra	Austrian Pine	38	2.4		4		8	Good		Private	Remove-proposed swale
3820	Acer saccharinum	Silver Maple	47	3		5		15	Good		Private	Remove-Development
3821	Pinus nigra	Austrian Pine	43	3	17.7%	5	31.8%	8	Good		Private	Remove-Development
3822	Pinus strobus	White Pine	30	2.4	21.0%	4	35.8%	7	Fair-Good		Private	Remove-Development
3823	Acer saccharinum	Silver Maple	60	3.6	3.9%	6	19.4%	18	Good		Private	Preserve with Injury - proposed swale
3824	Pinus strobus	White Pine	29	2.4	32.0%	4	55.1%	7	Fair-Good		Private	Remove-Development
3825	Acer saccharinum	Silver Maple	50	3		5		18	Good		Private	Remove-Development
3826	Acer saccharinum	Silver Maple	24	2.4		4		5	Fair	Many dead branches	Private	Remove-proposed swale
3827	Acer platanoides	Norway Maple	34	2.4	7.2%	4	23.1%	11	Good		Private	Remove-proposed swale
3828	Picea pungens	Blue Spruce	32	2.4		4		9	Good		Private	Remove-proposed swale
3829	Acer saccharinum	Silver Maple	62	4.2		7		15	Good		Private	Remove-Development
3830	Acer saccharinum	Silver Maple	50	3	7.8%	5	33.9%	15	Good		Private	Remove-Development / Swale
3831	Picea pungens	Blue Spruce	27	2.4		4		7	Good		Private	Remove-proposed swale
3832	Picea pungens	Blue Spruce	32	2.4		4		14	Good		Private	Remove-Development
3833	Acer saccharinum	Silver Maple	27	2.4		4		8	Good		Private	Remove-Development
3834	Acer platanoides	Norway Maple	30	2.4		4		18	Good		Private	Remove-Development
3835	Acer saccharinum	Silver Maple	54	3.6		6		30	Good		Private	Remove-Development
3836	Prunus serotina	Black Cherry	29	2.4		4		5	Fair-good		Private	Remove-Development
3837	Acer saccharinum	Silver Maple	47	3	26.1%	5	41.4%	16	Good		Private	Remove-Development / Swale
3838	Tilia cordata	Little Leaf Linden	32	2.4		4		7	Good		Private	Remove-proposed swale
3839	Acer saccharinum	Silver Maple	39	2.4		4		8	Good		Private	Remove-Development
3840	Acer saccharinum	Silver Maple	43	3		5		20	Good		Private	Remove-Development
3841	Picea glauca	White Spruce	28	2.4		4		5	Good		Private	Remove-Development
3842	Acer saccharinum	Silver Maple	30	2.4	N/A	4	25.4%	25	Good		Private	Preserve with Injury - proposed development
3843	Tilia cordata	Little Leaf Linden	24	2.4		4		6	Good		Private	Remove-Development
3844	Fraxinus pennsylvanica	Green Ash	30	2.4		4		10	Poor	Dying, EAB	Private	Remove - tree not a candidate for retention
3845	Acer saccharinum	Silver Maple	56	3.6		6		18	Good		Private	Remove-Development
3846	Tilia cordata	Little Leaf Linden	28	2.4		4		8	Good		Private	Remove-proposed swale
3847	Acer saccharinum	Silver Maple	50	3		5		20	Good		Private	Remove-proposed swale
3848	Fraxinus pennsylvanica	Green Ash	28	2.4		4		10	Fair	Some dieback	Private	Remove - tree not a candidate for retention
3849	Acer saccharinum	Silver Maple	50	3		5		20	Good		Private	Remove-Development
3850	Picea pungens	Blue Spruce	28	2.4		4		4	Good		Private	Remove-Development

Tree Protection and Preservation
Specification No.: SS12A



Detail TP-1 – Tree Protection Detail.

Trunk Diameter (DBH) [2]	Minimum Tree Protection Zone (MTPZ) Distances Required [3]	Critical Root Zone (CRZ) Distances Required [3&4]
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

NOTES:

[1] The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
[2] Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.
[3] Minimum Tree Protection Zone and Critical Root Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work and is subject to Section 6 of this specification.
[4] Where work is being performed beyond the Minimum Tree Protection Zone but within the Critical Root Zone the works are subject to Section 8 of this specification.

City of Burlington

TREE PROTECTION ZONE (TPZ)

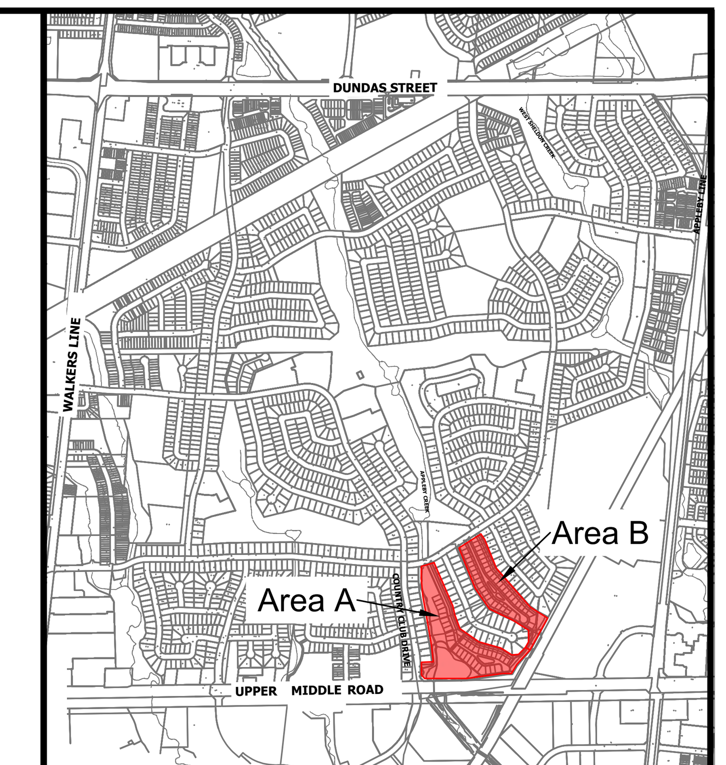
No equipment or vehicles shall be operated, parked, repaired or refueled within the Tree Protection Zone.

No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

No materials or fill may be stored within the Tree Protection Zone.

This tree protection barrier must not be removed prior to the completion of construction without written authorization from the City of Burlington, Urban Forestry Department.

For information, contact:
City of Burlington, Development and Infrastructure Division,
905-335-7642.



KEYMAP

NTS

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

Nº	REVISIONS	DATE:	BY:
6	RE-ISSUED	2022/03/23	TS
5	UPDATED TO INCLUDE HOARDING	2020/12/09	NC
4	UPDATED TO INCLUDE CONCEPT PLAN	2020/11/17	NC
3	UPDATED PRESERVATION RECOMMENDATIONS	2020/10/09	NC
2	REVISED TO INCLUDE GRADING PLAN	2020/03/03	NC
1	ISSUED	2019/12/19	NC

SCALE

NORTH ARROW

CERTIFIED ARBORIST ISA — TODD SMITH #ON-1608A

CERTIFIED ARBORIST ISA — ASH BARON #ON-1821A

BEACON ENVIRONMENTAL

CLIENT

MILLCROFT GREENS CORPORATION

PROJECT

MILLCROFT GREENS

SHEET TITLE

AREAS A & B TREE INVENTORY AND PRESERVATION PLAN

DESIGN BY: --

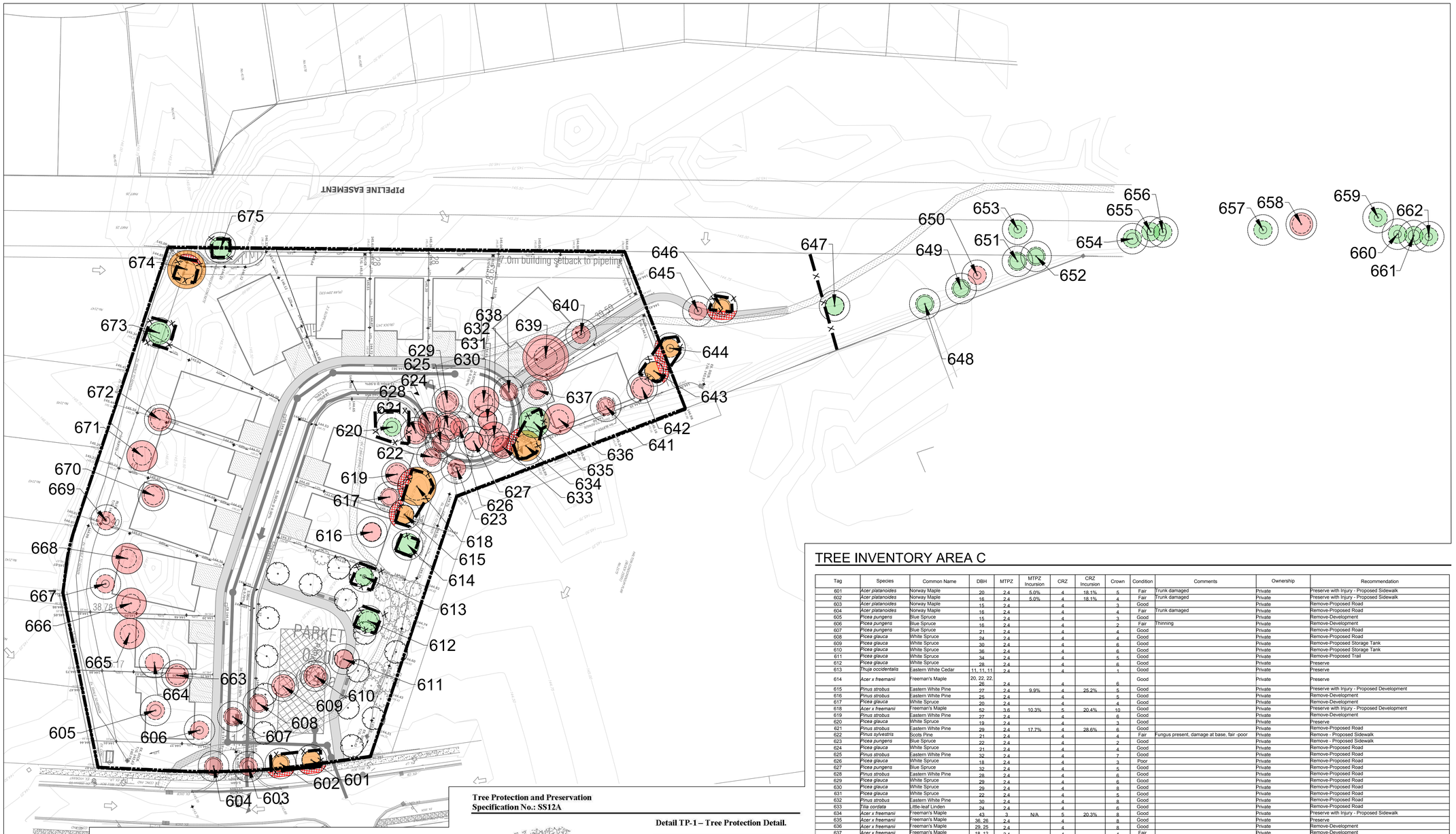
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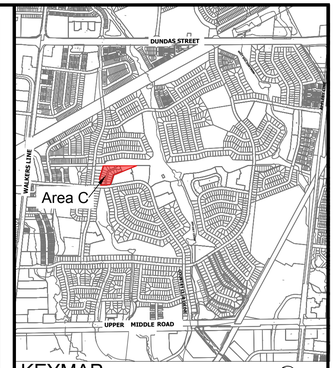
DRAWN BY: AD

FIGURE Nº: TP-2

CHECKED BY: TS

DATE: 23 March 2022





KEYMAP NTS

LEGEND

- Property Boundary
- Tree Preservation Fence
- Limit of Grading
- 1678 Tree tag, Tree Crown, Minimum Tree Protection Zone, Critical Root Zone

Tree Location

- Tree to be Preserved
- Tree to be Removed
- Tree to be Preserved With Injury
- Area of Incursion Into Tree Protection Zones

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

Nº	REVISIONS	DATE:	BY:
6	RE-ISSUED	2022/03/23	TS
5	UPDATED TO INCLUDE HOARDING	2020/12/09	NC
4	UPDATED TO INCLUDE CONCEPT PLAN	2020/11/17	NC
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2	REVISED TO INCLUDE GRADING PLAN	2020/03/03	NC
1	ISSUED	2019/12/19	NC

SCALE

1:500 0 5 10 20m

NORTH ARROW

TODD SMITH #ON-1608A

ASH BARON #ON-1821A

BEACON ENVIRONMENTAL

CLIENT

MILLCROFT GREENS CORPORATION

PROJECT

MILLCROFT GREENS

SHEET TITLE

AREA C
TREE INVENTORY AND PRESERVATION PLAN

DESIGN BY:	--
DRAWN BY:	AD
CHECKED BY:	TS
DATE:	23 March 2022
PROJECT Nº:	216081.3
FIGURE Nº:	TP-3

TREE INVENTORY AREA C

Tag	Species	Common Name	DBH	MTPZ	MTPZ Incursion	CRZ	CRZ Incursion	Crown	Condition	Comments	Ownership	Recommendation
601	*Acer platanoides*	Norway Maple	20	2.4	5.0%	4	18.1%	5	Fair	Trunk damaged	Private	Preserve with Injury - Proposed Sidewalk
602	*Acer platanoides*	Norway Maple	16	2.4	5.0%	4	18.1%	4	Fair	Trunk damaged	Private	Preserve with Injury - Proposed Sidewalk
603	*Acer platanoides*	Norway Maple	15	2.4		4		3	Good		Private	Remove-Proposed Road
604	*Acer platanoides*	Norway Maple	16	2.4		4		4	Fair	Trunk damaged	Private	Remove-Proposed Road
605	*Picea pungens*	Blue Spruce	15	2.4		4		3	Good		Private	Remove-Development
606	*Picea pungens*	Blue Spruce	16	2.4		4		2	Fair	Thinning	Private	Remove-Development
607	*Picea pungens*	Blue Spruce	21	2.4		4		4	Good		Private	Remove-Proposed Road
608	*Picea glauca*	White Spruce	24	2.4		4		4	Good		Private	Remove-Proposed Road
609	*Picea glauca*	White Spruce	30	2.4		4		6	Good		Private	Remove-Proposed Storage Tank
610	*Picea glauca*	White Spruce	36	2.4		4		6	Good		Private	Remove-Proposed Storage Tank
611	*Picea glauca*	White Spruce	34	2.4		4		5	Good		Private	Remove-Proposed Trail
612	*Picea glauca*	White Spruce	28	2.4		4		6	Good		Private	Preserve
613	*Thuja occidentalis*	Eastern White Cedar	11, 11, 11	2.4		4		1	Good		Private	Preserve
614	*Acer x freemanii*	Freeman's Maple	20, 22, 22, 26	2.4		4		6	Good		Private	Preserve
615	*Pinus strobus*	Eastern White Pine	27	2.4	9.9%	4	25.2%	5	Good		Private	Preserve with Injury - Proposed Development
616	*Pinus strobus*	Eastern White Pine	25	2.4		4		5	Good		Private	Remove-Development
617	*Picea glauca*	White Spruce	20	2.4		4		4	Good		Private	Remove-Development
618	*Acer x freemanii*	Freeman's Maple	52	3.6	10.3%	5	20.4%	10	Good		Private	Preserve with Injury - Proposed Development
619	*Pinus strobus*	Eastern White Pine	27	2.4		4		6	Good		Private	Remove-Development
620	*Picea glauca*	White Spruce	19	2.4		4		3	Good		Private	Preserve
621	*Pinus strobus*	Eastern White Pine	29	2.4	17.7%	4	28.6%	6	Good		Private	Remove-Proposed Road
622	*Pinus sylvestris*	Scots Pine	21	2.4		4		4	Fair	Fungus present, damage at base, fair -poor	Private	Remove - Proposed Sidewalk
623	*Picea pungens*	Blue Spruce	22	2.4		4		2	Good		Private	Remove - Proposed Sidewalk
624	*Picea glauca*	White Spruce	21	2.4		4		4	Good		Private	Remove-Proposed Road
625	*Pinus strobus*	Eastern White Pine	32	2.4		4		7	Good		Private	Remove-Proposed Road
626	*Picea glauca*	White Spruce	18	2.4		4		3	Poor		Private	Remove-Proposed Road
627	*Picea pungens*	Blue Spruce	32	2.4		4		5	Good		Private	Remove-Proposed Road
628	*Pinus strobus*	Eastern White Pine	28	2.4		4		6	Good		Private	Remove-Proposed Road
629	*Picea glauca*	White Spruce	29	2.4		4		6	Good		Private	Remove-Proposed Road
630	*Picea glauca*	White Spruce	29	2.4		4		8	Good		Private	Remove-Proposed Road
631	*Picea glauca*	White Spruce	22	2.4		4		5	Good		Private	Remove-Proposed Road
632	*Pinus strobus*	Eastern White Pine	30	2.4		4		8	Good		Private	Remove-Proposed Road
633	*Tilia cordata*	Little-leaf Linden	24	2.4		4		6	Good		Private	Remove-Proposed Road
634	*Acer x freemanii*	Freeman's Maple	43	3	N/A	5	20.3%	8	Good		Private	Preserve with Injury - Proposed Sidewalk
635	*Acer x freemanii*	Freeman's Maple	36, 26	2.4		4		8	Good		Private	Preserve
636	*Acer x freemanii*	Freeman's Maple	29, 25	2.4		4		8	Good		Private	Remove-Development
637	*Acer x freemanii*	Freeman's Maple	18, 12	2.4		4		4	Fair		Private	Remove-Development
638	*Picea glauca*	White Spruce	30	2.4		4		4	Good		Private	Remove - Proposed Sidewalk
639	*Acer x freemanii*	Freeman's Maple	41	3		5		12	Good		Private	Remove-Proposed Trail
640	*Picea glauca*	White Spruce	17	2.4		4		2	Good		Private	Remove-Proposed Trail
641	*Acer x freemanii*	Freeman's Maple	14	2.4		4		4	Poor	Chlorotic, trunk wounded	Private	Remove-Development
642	*Acer x freemanii*	Freeman's Maple	13, 13, 8	2.4	24.9%	4	47.3%	6	Good		Private	Remove-Development / Swale
643	*Pinus sylvestris*	Scots Pine	22	2.4	19.9%	4	22.5%	5	Fair	Thinning	Private	Preserve with Injury - Proposed Swale
644	*Picea pungens*	Blue Spruce	18	2.4		4		2	Fair	Trunk damage	Private	Preserve with Injury - Proposed Swale
645	*Picea pungens*	Blue Spruce	20	2.4		4		2	Fair		Private	Remove-Proposed Trail
646	*Carya ovata*	Shagbark Hickory	20	2.4	25.4%	4	29.4%	4	Good		Private	Preserve with Injury - Change Trail Alignment
647	*Acer platanoides*	Norway Maple	16	2.4		4		5	Fair	Chlorotic, thinning	Private	Preserve
648	*Salix alba*	White Willow	12	2.4		4		4	Good	Weeping willow	Private	Preserve
649	*Salix alba*	White Willow	12	2.4		4		4	Good	Weeping	Private	Preserve
650	*Fraxinus pennsylvanica*	Green Ash	24	2.4		4		2	Poor	60% dieback	Private	Remove - tree not a candidate for retention
651	*Pinus sylvestris*	Scots Pine	23	2.4		4		4	Fair	Thinning	Private	Preserve
652	*Pinus sylvestris*	Scots Pine	25	2.4		4		4	Fair		Private	Preserve
653	*Picea pungens*	Blue Spruce	20	2.4		4		2	Poor	Very thin	Private	Preserve
654	*Picea pungens*	Blue Spruce	26	2.4		4		3	Fair	Poor form	Private	Preserve
655	*Picea glauca*	White Spruce	14	2.4		4		2	Fair	Heaving out of ground	Private	Preserve
656	*Picea pungens*	Blue Spruce	22	2.4		4		2	Good		Private	Preserve
657	*Picea pungens*	Blue Spruce	18	2.4		4		2	Fair		Private	Preserve
658	*Fraxinus pennsylvanica*	Green Ash	29	2.4		4		6	Poor	70% dead	Private	Remove - tree not a candidate for retention
659	*Picea glauca*	White Spruce	15	2.4		4		2	Good		Private	Preserve
660	*Picea glauca*	White Spruce	12	2.4		4		2	Good		Private	Preserve
661	*Picea glauca*	White Spruce	19	2.4		4		3	Good		Private	Preserve
662	*Picea glauca*	White Spruce	12	2.4		4		2	Good		Private	Preserve
663	*Pinus nigra*	Black Pine	38	2.4		4		6	Good		Private	Remove-Development
664	*Picea pungens*	Blue Spruce	16	2.4		4		4	Good		Private	Remove-Development
665	*Pinus nigra*	Black Pine	38	2.4	32.6%	4	37.2%	8	Good		Private	Remove-Development
666	*Pinus nigra*	Black Pine	34	2.4		4		8	Good		Private	Remove-Development
667	*Populus deltoides*	Eastern Cottonwood	12	2.4	21.0%	4	28.0%	2	Good		Private	Remove-Development
668	*Pinus sylvestris*	Scots Pine	32	2.4		4		8	Good		Private	Remove-Development
669	*Populus deltoides*	Eastern Cottonwood	15	2.4		4		2	Good		Private	Remove-Development
670	*Acer platanoides*	Norway Maple	32	2.4		4		6	Good		Private	Remove-Development
671	*Acer platanoides*	Norway Maple	29	2.4	12.2%	4	26.0%	8	Good		Private	Remove-Development
672	*Acer platanoides*	Norway Maple	26	2.4	33.1%	4	39.4%	6	Good		Private	Remove-Development
673	*Acer saccharum*	Sugar Maple	24	2.4		4		6	Good		Private	Preserve
674	*Acer saccharum*	Sugar Maple	30	2.4	N/A	4	12.1%	10	Good		Private	Preserve with Injury - Proposed Wall
675	*Acer saccharum*	Sugar Maple	21	2.4		4		6	Good		Private	Preserve

City of Burlington

TREE PROTECTION ZONE (TPZ)

No equipment or vehicles shall be operated, parked, repaired or refueled within the Tree Protection Zone.

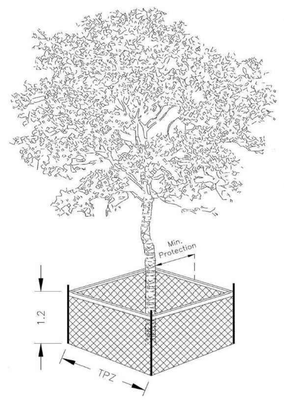
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905-335-7642.

Tree Protection and Preservation Specification No.: SS12A

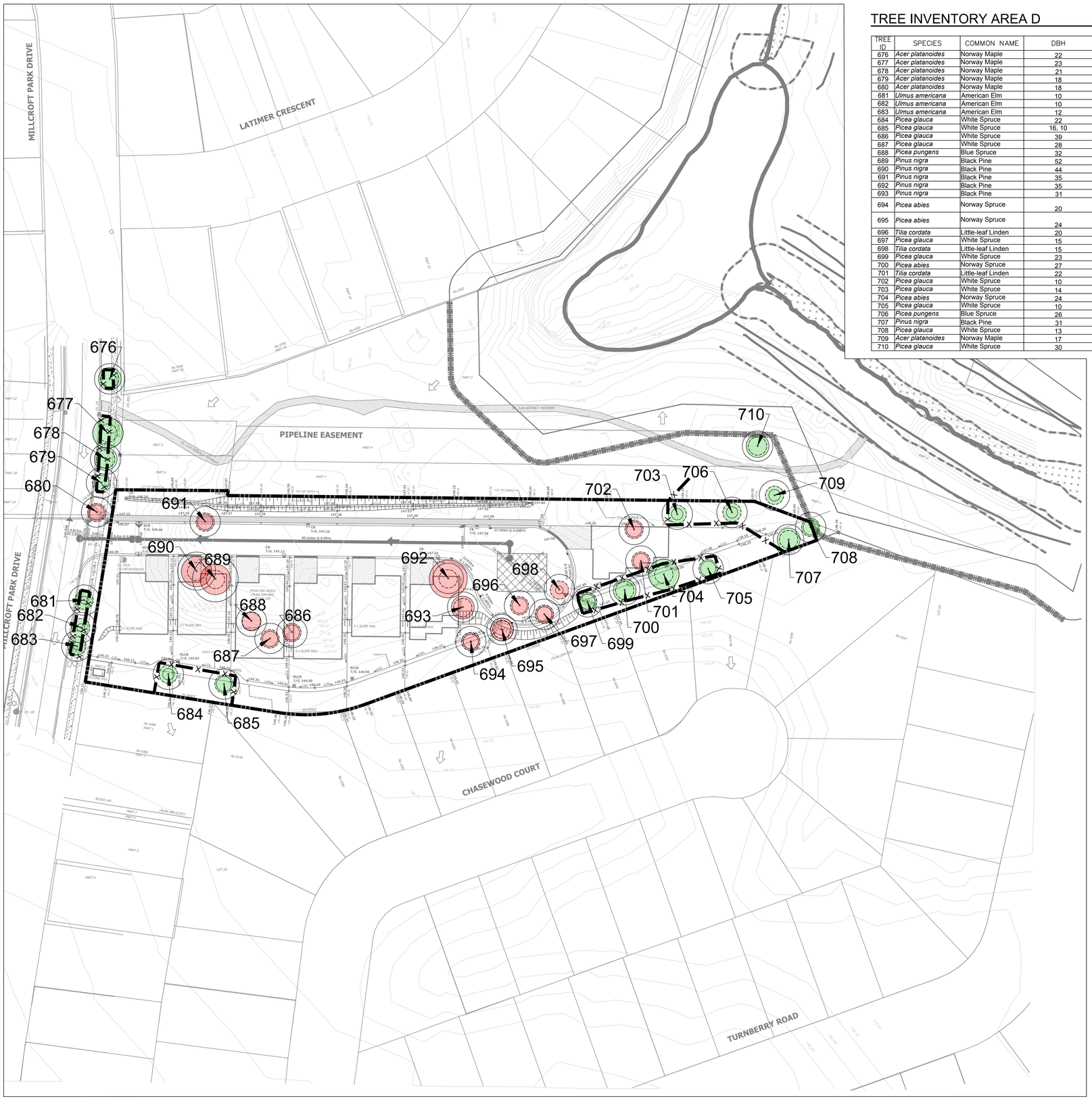


Detail TP-1 – Tree Protection Detail.

Trunk Diameter (DBH) [2]	Minimum Tree Protection Zone (MTPZ) Distances Required [3]	Critical Root Zone (CRZ) Distances Required [3&4]
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

NOTES:

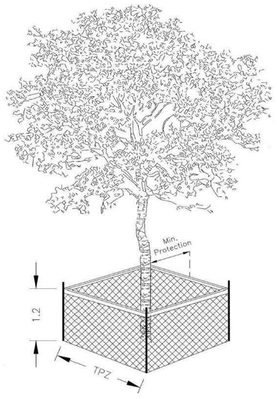
[1] The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
[2] Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.
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[4] Where work is being performed beyond the Minimum Tree Protection Zone but within the Critical Root Zone the works are subject to Section 8 of this specification.



TREE INVENTORY AREA D

TREE ID	SPECIES	COMMON NAME	DBH	MTPZ		CRZ		CROWN	CONDITION	COMMENTS	OWNERSHIP	RECOMMENDATION
676	*Acer platanoides*	Norway Maple	22	2.4		4		6	Good	In ROW	City of Burlington	Preserve
677	*Acer platanoides*	Norway Maple	23	2.4		4		8	Good	In ROW	City of Burlington	Preserve
678	*Acer platanoides*	Norway Maple	21	2.4		4		6	Good	In ROW	City of Burlington	Preserve
679	*Acer platanoides*	Norway Maple	18	2.4		4		4	Good	In ROW	City of Burlington	Preserve
680	*Acer platanoides*	Norway Maple	18	2.4		4		4	Good	In ROW	City of Burlington	Remove-Proposed Road
681	*Ulmus americana*	American Elm	10	1.8		4		2	Good	In ROW	City of Burlington	Preserve
682	*Ulmus americana*	American Elm	10	1.8		4		2	Good	In ROW	City of Burlington	Preserve
683	*Ulmus americana*	American Elm	12	2.4		4		2	Good	In ROW	City of Burlington	Preserve
684	*Picea glauca*	White Spruce	22	2.4		4		3	Good		Private	Preserve
685	*Picea glauca*	White Spruce	16, 10	2.4		4		4	Good		Private	Preserve
686	*Picea glauca*	White Spruce	39	2.4		4		4	Good		Private	Remove-Development
687	*Picea glauca*	White Spruce	28	2.4		4		4	Good		Private	Remove-Development
688	*Picea pungens*	Blue Spruce	32	2.4		4		5	Good		Private	Remove-Development
689	*Pinus nigra*	Black Pine	52	2.4		6		8	Good		Private	Remove-Development
690	*Pinus nigra*	Black Pine	44	2.4		5		8	Good		Private	Remove-Development
691	*Pinus nigra*	Black Pine	35	2.4		4		10	Good		Private	Remove-Proposed Road
692	*Pinus nigra*	Black Pine	35	2.4		4		10	Good		Private	Remove-Development
693	*Pinus nigra*	Black Pine	31	2.4		4		6	Good		Private	Remove-Development
694	*Picea abies*	Norway Spruce	20	2.4		4		4	Good		Private	Remove-Proposed Swale
695	*Picea abies*	Norway Spruce	24	2.4		4		6	Good		Private	Remove-Development Grading
696	*Tilia cordata*	Little-leaf Linden	20	2.4		4		4	Good		Private	Remove-Proposed Road
697	*Picea glauca*	White Spruce	15	2.4		4		4	Good		Private	Remove-Proposed Road
698	*Tilia cordata*	Little-leaf Linden	15	2.4		4		2	Good		Private	Remove-Proposed Road
699	*Picea glauca*	White Spruce	23	2.4		4		4	Good		Private	Preserve
700	*Picea abies*	Norway Spruce	27	2.4		4		6	Good		Private	Preserve
701	*Tilia cordata*	Little-leaf Linden	22	2.4		4		4	Good		Private	Remove-Development
702	*Picea glauca*	White Spruce	10	1.8		4		4	Good		Private	Remove-Development
703	*Picea glauca*	White Spruce	14	2.4		4		3	Good		Private	Preserve
704	*Picea abies*	Norway Spruce	24	2.4		4		8	Good		Private	Preserve
705	*Picea glauca*	White Spruce	10	1.8		4		4	Good		Private	Preserve
706	*Picea pungens*	Blue Spruce	26	2.4		4		3	Good		Private	Preserve
707	*Pinus nigra*	Black Pine	31	2.4		4		6	Good		Private	Preserve
708	*Picea glauca*	White Spruce	13	2.4		4		4	Good		Private	Preserve
709	*Acer platanoides*	Norway Maple	17	2.4		4		3	Good		Private	Preserve
710	*Picea glauca*	White Spruce	30	2.4		4		6	Fair	Thinning	Private	Preserve

Tree Protection and Preservation Specification No.: SS12A



Detail TP-1 – Tree Protection Detail.

Trunk Diameter (DBH) [2]	Minimum Tree Protection Zone (MTPZ) Distances Required [3]	Critical Root Zone (CRZ) Distances Required [3&4]
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

NOTES:

[1] The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
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City of Burlington

TREE PROTECTION ZONE (TPZ)

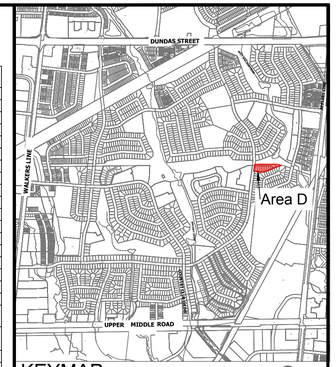
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For information, contact:
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905-335-7642.



KEYMAP NTS

LEGEND

- Property Boundary
- Tree Preservation Fence
- Limit of Grading
- 1678 Tree tag
- Tree Crown
- Minimum Tree Protection Zone
- Critical Root Zone

Tree Location

- Tree to be Preserved
- Tree to be Removed
- Tree to be Preserved With Injury
- Area of Incursion Into Tree Protection Zones

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

N°	REVISIONS	DATE:	BY:
6	RE-ISSUED	2022/03/23	TS
5	UPDATED TO INCLUDE HOARDING	2020/12/09	NC
4	UPDATED TO INCLUDE CONCEPT PLAN	2020/11/17	NC
3	UPDATED PRESERVATION RECOMMENDATIONS	2020/10/09	NC
2	REVISED TO INCLUDE GRADING PLAN	2020/03/03	NC
1	ISSUED	2019/12/19	NC

SCALE
1:500 0 5 10 20m

NORTH ARROW

CERTIFIED ARBORIST ISA — TODD SMITH #ON-1608A
CERTIFIED ARBORIST ISA — ASH BARON #ON-1521A

BEACON ENVIRONMENTAL

CLIENT
MILLCROFT GREENS CORPORATION

PROJECT
MILLCROFT GREENS

SHEET TITLE
AREA D
TREE INVENTORY AND PRESERVATION PLAN

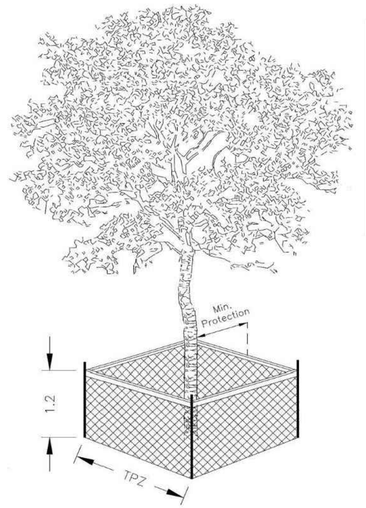
DESIGN BY:	--	PROJECT N°:	216081.3
DRAWN BY:	AD	FIGURE N°:	TP-4
CHECKED BY:	TS		
DATE:	23 March 2022		



TREE INVENTORY AREA E

TREE_ID	SPECIES	COMMON_NAME	DBH	MTPZ	CRZ	CROWN	CONDITION	COMMENTS	OWNERSHIP	RECOMMENDATION
711	*Acer negundo*	Manitoba Maple	26	2.4	4	4	Fair	Many dead branches, epicormic shoots, growing within fence	Private	Remove-Development
712	*Quercus rubra*	Northern Red Oak	13	2.4	4	3	Fair	Thin canopy, chlorotic, trunk damaged at base	Private	Remove-Development
713	*Picea pungens*	Blue Spruce	18	2.4	4	2	Good		Private	Remove-Development
714	*Picea pungens*	Blue Spruce	20	2.4	4	3	Good		Private	Remove-Development
715	*Picea pungens*	Blue Spruce	18	2.4	4	3	Good		Private	Remove-Development
716	*Picea pungens*	Blue Spruce	23	2.4	4	4	Good		Private	Remove-Development
717	*Picea pungens*	Blue Spruce	22	2.4	4	3	Good		Halton Region	Remove-Development
718	*Picea pungens*	Blue Spruce	16	2.4	4	3	Good		Private	Remove-Development
719	*Fraxinus pennsylvanica*	Green Ash	21	2.4	4	4	Poor	70% dead	Private	Remove - tree not a candidate for retention
720	*Picea pungens*	Blue Spruce	14	2.4	4	2	Good		Private	Remove-Development
721	*Picea pungens*	Blue Spruce	16	2.4	4	2	Good		Private	Remove-Development
722	*Picea pungens*	Blue Spruce	15	2.4	4	2	Good		Private	Remove-Development
723	*Acer x freemanii*	Freeman's Maple	18	2.4	4	4	Good	Base damaged	Private	Remove-Development
724	*Picea pungens*	Blue Spruce	19	2.4	4	4	Good		Private	Remove-Development
725	*Picea pungens*	Blue Spruce	12	2.4	4	2	Good		Private	Remove-Development
726	*Quercus rubra*	Northern Red Oak	10	1.8	4	3	Good		Private	Remove-Development
727	*Picea pungens*	Blue Spruce	12	2.4	4	3	Good		Private	Remove-Development
728	*Picea pungens*	Blue Spruce	13	2.4	4	3	Good		Private	Remove-Development
729	*Picea pungens*	Blue Spruce	15	2.4	4	3	Good		Private	Remove-Development
730	*Picea pungens*	Blue Spruce	14	2.4	4	4	Good		Private	Remove-Development
731	*Fraxinus pennsylvanica*	Green Ash	14	2.4	4	4	Good		Private	Remove - tree not a candidate for retention

Tree Protection and Preservation
Specification No.: SS12A



Detail TP-1 – Tree Protection Detail.

Trunk Diameter (DBH) [2]	Minimum Tree Protection Zone (MTPZ) Distances Required [3]	Critical Root Zone (CRZ) Distances Required [3&4]
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

NOTES:

[1] The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
[2] Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.
[3] Minimum Tree Protection Zone and Critical Root Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work and is subject to Section 6 of this specification.
[4] Where work is being performed beyond the Minimum Tree Protection Zone but within the Critical Root Zone the works are subject to Section 8 of this specification.

City of Burlington

TREE PROTECTION ZONE (TPZ)

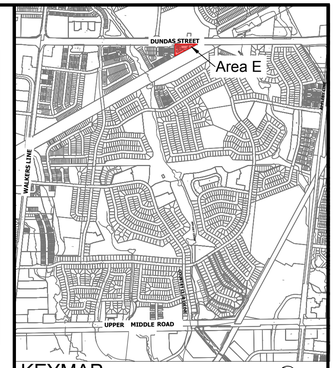
No equipment or vehicles shall be operated, parked, repaired or refueled within the Tree Protection Zone.

No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

No materials or fill may be stored within the Tree Protection Zone.

This tree protection barrier must not be removed prior to the completion of construction without written authorization from the City of Burlington, Urban Forestry Department.

For information, contact:
City of Burlington, Development and Infrastructure Division,
905-335-7642.



KEYMAP NTS

LEGEND

- Property Boundary
- Tree Preservation Fence
- Limit of Grading
- 1678 Tree tag
- Tree Crown
- Minimum Tree Protection Zone
- Critical Root Zone

Tree Location

- Tree to be Preserved
- Tree to be Removed
- Tree to be Preserved With Injury
- Area of Incursion Into Tree Protection Zones

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

N°	REVISIONS	DATE:	BY:
6	RE-ISSUED	2022/03/23	TS
5	UPDATED TO INCLUDE HOARDING	2020/12/09	NC
4	UPDATED TO INCLUDE CONCEPT PLAN	2020/11/17	NC
3	UPDATED PRESERVATION RECOMMENDATIONS	2020/10/09	NC
2	REVISED TO INCLUDE GRADING PLAN	2020/03/03	NC
1	ISSUED	2019/12/19	NC

SCALE
1:500 0 5 10 20m

NORTH ARROW

CERTIFIED ARBORIST ISA — TODD SMITH #ON-1608A
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CLIENT
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PROJECT
MILLCROFT GREENS

SHEET TITLE
AREA E
TREE INVENTORY AND PRESERVATION PLAN

DESIGN BY: --	PROJECT N°: 216081.3
DRAWN BY: AD	FIGURE N°: TP-5
CHECKED BY: TS	
DATE: 23 March 2022	

Table 10. Summary of Aggregate-Caliper Calculations

Area	Aggregate Caliper of Trees Proposed for Removal (cm) - Private Trees	Aggregate Caliper of Trees Proposed for Removal (cm) - City-owned Trees	Total (cm)
A	4,865	0	4,865
B	3,975	0	3,975
C	1,143	0	1,143
D	422	18	440
E	327	0	327
Total	**10,523**	**18**	**10,750**

The following sections provide a breakdown of trees for preservation and removal for each Area within the subject property.

5.1 Tree Preservation and Removal: Area A

Due to the extent of development tree preservation opportunities in Area A are limited to the perimeter of the proposed development and within the floodplain associated with Appleby Creek.

Area A contains a total of 250 trees. Of these, 78 are recommended for preservation; most are in good or fair-good condition. Nine of these 78 trees are expected to experience root injury due to the proposed grading works (tree nos. 3466, 3497, 3852, 3855, 3857, 3859, 3882, 3956, and 3989). Trees proposed for injury are in good or fair-good condition and are expected to be able to withstand potential injuries caused by the proposed grading works.

A total of 172 trees require removal to accommodate the proposed development. Of these, 24 trees are recommended for removal due to their condition (trees nos. 3377, 3383, 3387 -3388, 3394-3396, 3406, 3408, 3410-3413, 3468, 3491, 3496, 3858, 3878, and 3879). Notwithstanding condition considerations, most trees for removal within Area A are in good or fair-good condition. Based on the aggregate-caliper method, the total caliper of all trees proposed for removal (including those proposed for removal due to condition) in Area A is 4,865 cm.

Replacement plantings for regionally owned tree no. 3369 amounts to five (5) 60 mm caliper trees.

Table 11 provides a summary of proposed tree preservation and removal opportunities within Area A.

Table 11. Summary of Trees for Preservation and Removal in Area A

Species		Remove-Development	Remove-Condition	Preserve	Preserve with Injury
Botanical Name	**Common Name**				
Acer platanoides	Norway Maple	9	1	5	2
Acer saccharinum	Silver Maple	32		15	3
Acer x freemanii	Freeman's Maple	5		3	
Fraxinus pennsylvanica	Green Ash		21		
Gleditsia triacanthos (cultivar)	Honey Locust	3		4	
Malus pumila	Apple	1		1	
Malus sylvestris	Crab Apple	1		6	
Picea abies	Norway Spruce	5	1	10	2
Picea glauca	White Spruce	6		6	1
Picea pungens	Blue Spruce	17		12	
Pinus nigra	Austrian Pine	45		2	1
Pinus strobus	White Pine	8			
Populus deltoides	Cottonwood	1	1		
Quercus macrocarpa	Bur Oak	1			
Quercus rubra	Red Oak	1			
Salix alba 'Tristis'	Weeping Willow	1		1	
Salix fragilis	Crack Willow			1	
Thuja occidentalis	White Cedar	7			
Thuja occidentalis 'Emerald'	Emerald Cedar	1			
Tilia cordata	Little Leaf Linden	4		3	
Totals		**148**	**24**	**69**	**9**

5.2 Tree Preservation and Removal: Area B

Due to the extent of the proposed development, preservation opportunities are limited in Area B. The majority of trees recommended for preservation are located along the perimeter of Area B.

Area B contains a total of 196 trees. Of these, 77 are recommended for preservation. Six of these 77 trees are expected to be injured due to the proposed grading works (tree nos. 3287, 3311, 3335, 3817, 3823, and 3842). Many of these trees are located at the edge of proposed grading or the proposed swale proposed along rear lot lines. Impacted trees are all in good or fair condition and are expected to withstand anticipated injuries caused by the proposed grading works.

A total of 119 trees require removal to accommodate the proposed development. Of these, 14 trees require removal due to poor condition (tree nos. 246, 1109, 3294, 3323, 3344, 3348, 3761, 3764, 3772, 3773, 3778, 3818, 2844, and 3848). Overall, trees proposed for removal are in good or fair-good

condition. Based on the aggregate-caliper method, the total caliper of all trees proposed for removal (including those due to condition) in Area B is 3,975 cm.

Table 12 provides a summary of tree preservation and removals within Area B.

Table 12. Summary of Trees for Preservation and Removal in Area B

Species		Remove-Development	Remove-Condition	Preserve	Preserve with Injury
Botanical Name	**Common Name**				
Acer negundo	Manitoba Maple			1	
Acer platanoides	Norway Maple	7	3	20	
Acer saccharinum	Silver Maple	31		5	3
Acer saccharum	Sugar Maple	1			
Acer x freemanii	Freeman's Maple	4			
Fraxinus pennsylvancia	Green Ash		9		
Gleditsia triacanthos (cultivar)	Honey Locust	1			
Picea abies	Norway Spruce	3			
Picea glauca	White Spruce	4	2	17	1
Picea pungens	Blue Spruce	15		2	
Pinus nigra	Austrian Pine	16		10	1
Pinus strobus	White Pine	7		5	
Populus deltoides	Cottonwood	3			
Prunus serotina	Black Cherry	1			
Quercus rubra	Red Oak	1			1
Thuja occidentalis	White Cedar	5		10	
Thuja occidentalis 'Emerald'	Emerald Cedar	3		1	
Tilia cordata	Little Leaf Linden	3			
Totals		**105**	**14**	**71**	**6**

5.3 Tree Preservation and Removal: Area C

Tree preservation opportunities in Area C are present in areas along the perimeter of the proposed development, the reconfigured portion of golf course hole #1 and the parkette located near Country Club Drive.

Area C contains a total of 75 trees. Of these, 30 trees are recommended for preservation. Nine of the 30 trees recommended for preservation may be injured due to the proposed grading (tree nos. 601-602, 615, 618, 634, 643-644, 646, and 674). Within Area C trees are generally in good or fair condition.

A total of 45 trees require removal to accommodate the proposed development, with two of those being recommended for removal based on condition. These two Ash (tree nos. 650 and 658) are on lands to remain as golf course and are recommended for removal despite being located outside of the

development area. Overall trees proposed for removal are in good condition. Based on the aggregate-caliper method, the total caliper of all trees proposed for removal in Area C is 1,143 cm.

Table 13 provides a summary of proposed tree preservation and removals within Area C.

Table 13. Summary of Trees for Preservation and Removal in Area C

Species		Remove-Development	Remove - Condition	Preserve	Preserve with Injury
Botanical Name	**Common Name**				
Acer platanoides	Norway Maple	5		1	2
Acer saccharum	Sugar Maple			2	1
Acer x freemanii	Freeman's Maple	5		2	2
Carya ovata	Shagbark Hickory				1
Fraxinus pennsylvancia	Green Ash		2		
Picea glauca	White Spruce	12		7	1
Picea pungens	Blue Spruce	7		4	
Pinus nigra	Austrian Pine	3			
Pinus strobus	White Pine	6			1
Pinus sylvestris	Scots Pine	2		2	1
Populus deltoides	Eastern Cottonwood	2			
Salix alba	White Willow			2	
Thuja occidentalis	White Cedar			1	
Tilia cordata	Little Leaf Linden	1			
Totals		**43**	**2**	**21**	**9**

5.4 Tree Preservation and Removal: Area D

Tree preservation opportunities in Area D are present in areas along the perimeter of the proposed development and the open space area located at the end of the proposed cul-de-sac road. A large easement and portion of the golf course is to remain undeveloped on the eastern end of the proposed development. Area D contains a total of 35 trees.

A total of 19 trees are recommended for preservation within Area D. Most trees recommended for preservation are in good condition. Seven trees recommended for preservation are located within the City's road allowance (nos. 676-679 and 681-683).

A total of 16 trees require removal within Area D to accommodate the proposed development. No trees are recommended for removal based on condition. All trees recommended for removal, save for one, are in good condition. One tree (no. 680) proposed for removal is located in the City right-of-way, this tree has a DBH of 18 cm. Based on the aggregate-caliper method, the total caliper of all trees for removal on private lands is 422 cm. Including the City owned tree the total caliper of all trees for removal within Area D is 440 cm.

Table 14 provides a summary of proposed tree preservation and removals within Area D.

Table 14. Summary of Trees for Preservation and Removal in Area D

Species		Remove-Development	Preserve
Botanical Name	**Common Name**		
Acer platanoides	Norway Maple	1	5
Picea abies	Norway Spruce	2	2
Picea glauca	White Spruce	4	7
Picea pungens	Blue Spruce	1	1
Pinus nigra	Austrian Pine	5	1
Tilia cordata	Little Leaf Linden	3	
Ulmus americana	American Elm		3
	Totals	**16**	**19**

5.5 Tree Preservation and Removal: Area E

Area E contains a total of 21 trees. All are recommended for removal due to the proposed underground parking area and associated above ground development and/or, in the case of Ash, due to condition. 88% of trees proposed for removal are in good condition. Based on the aggregate-caliper method, the total caliper of all trees proposed for removal in Area E is 327 cm.

Replacement plantings for regionally owned tree no. 717 amounts to four (4) 60 mm caliper trees.

Table 15 provides a summary of proposed tree removals within Area E.

Table 15. Summary of Trees for Preservation and Removal in Area E

Species		Remove-Development	Remove – Condition
Botanical Name	**Common Name**		
Acer negundo	Manitoba Maple	1	
Acer x freemanii	Freeman's Maple	1	
Fraxinus pennsylvancia	Green Ash		2
Picea pungens	Blue Spruce	15	
Quercus rubra	Red Oak	2	
	Totals	**19**	**2**

6 Tree Protection and Preservation Guidelines

Trees for preservation will be protected using tree hoarding fencing in accordance with the City of Burlington's Tree Protection and Preservation Specifications (No. SS12A, see **Figure 2**). Prior to construction, hoarding will be required to be installed around the trees listed in **Appendix B** located a minimum distance as shown on **Figure 2** and **Table 16**. Hoarding shall not interfere with the existing sidewalk.

MTPZ's should be demarcated with 1.2-meter-high orange plastic web snow fencing on a 2" x 4" frame as per the detail drawing provided on **Figure 2**. No materials shall be stored inside or up against this fencing, and the sign provided on **Figure 2** should be hung on the most visible side designating the MTPZ.

Standard MTPZs are generally established at the dripline of the tree crown. In situations where it is not feasible to implement a standard MTPZ, it is possible that a lesser MTPZ could be established that could also provide sufficient protection but allow for tighter integration with the development subject to approval by the City. MTPZ's that are less than the standard generally requires additional arboricultural measures to be applied to trees (i.e., root/branch pruning, soil protection, etc.). It is however recommended that such MTPZ's be no less than the MTPZ values specified in **Table 16.** Pending final review of the grading and servicing plans an updated set of trees for preservation will be included. This will include for trees directly adjacent to development an assessment of critical root zones as well as MTPZs.

Table 16. Minimum Tree Protection Zones

Trunk Diameter (cm)	Minimum Tree Protection Zone Distances Required (m)[1]	Critical Root Zone Distances Required (m)[1&2]
<10	1.8	1.8
11-40	2.4	4.0
41-50	3.0	5.0
51-60	3.6	6.0
61-70	4.2	7.0
71-80	4.8	8.0
81-90	5.4	9.0
91-100+	6.0	10.0

[1] MTPZ and CRZ distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work and is subject to Section 6 of City of Burlington Specification SS12A.

[2] Where work is being performed beyond the MTPZ but within the CRZ the works are subject to Section 8 of City of Burlington Specification SS12A.

In addition to specifications contained on the **Figure 2**, the following tree protection measures are recommended:

1. All existing trees which are to remain shall be fully protected with hoarding as shown in **Figure 2** to the satisfaction of the City Arborist prior to the issuance of the building permit.

Groups of trees and other existing vegetation are to be protected with hoarding around the entire area. Areas within the protective fencing shall remain undisturbed and shall not be used for the storage of building materials and equipment.

2. All tree work is to be completed or supervised by a Certified Arborist.

3. The City's Arborist will be responsible for the inspection of hoarding for public trees. Hoarding is to remain in place until an inspection by the City has been done and an appropriate removal time has been agreed upon.

4. No rigging cables shall be wrapped around or installed in the trees and surplus soil, equipment, debris or materials shall not be placed over the root systems of the trees within the protective fencing. No contaminants will be dumped or flushed where feeder roots of trees exist.

5. Where limbs or portions of trees are removed to accommodate construction, they will be removed in accordance with accepted arboriculture.

6. In situations where grading or excavation works exposes root systems of trees identified for preservation, best arboricultural practices should be employed to limit damage to root systems. Hydro vacuuming shall be used for any root pruning/exploration work. Any exposed roots shall be kept covered from sun/wind exposure using soil or moistened burlap. Exposed roots shall be cut back cleanly using a saw. Hydrovac should be employed where appropriate. Once complete, exaction shall be backfilled.

7. No open trenching shall occur within the Tree Preservation Zone (TPZ). Only trenchless methods should be used for service installation in the TPZ.

8. Trees that have died or have been damaged beyond repair shall be removed and replaced at the owner's expense with trees of a size and species approved by the City's Parks & Forestry Division / Community Services Department or delegate.

9. A post-construction letter/debrief outlining work completed (i.e., dates, work completed, site photos) shall be submitted to the City.

6.1 Timing of Tree Removal

The federal *Migratory Birds Convention Act* (1994) and provincial *Fish and Wildlife Conservation Act* protect the nests, eggs and young of most bird species from harm or destruction. As the peak breeding bird season in southern Ontario is generally from mid-May to early-July, and the more general breeding bird season is between early April and late August, vegetation clearing should occur outside of these periods (i.e., April 1st to August 31st) whenever possible. For any proposed clearing of vegetation within these dates, or where birds may be suspected of nesting outside of these dates, an Ecologist or Avian Biologist should undertake detailed nest searches immediately prior to site alteration to ensure that no active nests are present. If active nests are confirmed, removal of the tree / vegetation will need to be delayed until the nest is no longer actively used.

Should you have any comments regarding the above, or require clarification or modification, please do not hesitate to contact the undersigned at tsmith@beaconenviro.com or ash@terrastoryenviro.com.

Report prepared by:
Terrastory Environmental



Ash Baron, B.E.S., CEERR
Senior Ecologist, Arborist
ISA Certified Arborist (ON-1821A)

Report prepared (drawings) and reviewed (text) by:
Beacon Environmental



Todd Smith, B.Sc., M.L.A., OALA, CSLA
Senior Landscape Architect, Practice Lead,
ISA Certified Arborist (ON-1608A)

7 References

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Appendix A

Tree Inventory and Assessment Methodology & Limitations of Tree Assessment

Appendix A

Tree Inventory and Assessment Methodology*

**Note that not all the tree descriptors contained herein may be used in a tree assessment and report.*

DBH (cm): Diameter at breast height, 1.4 m above ground, measured in centimeters. Two or more numbers denotes the DBH of each stem/trunk for trees with multiple stems/trunks. For multi-stemmed trees, for the purpose of determining the minimum tree protection zone DBH is calculated as the square root of the sum of the square DBH of each stem.

Crown Reserve/Diameter (metres): Crown diameter (tree's canopy) measured at intervals of 1 metre.

Condition: General Condition is recorded for standard tree inventories and assessments. For detailed tree inventories and assessments, when required the assessment of tree condition evaluates factors of Biological Health and Structural Condition separately.

The descriptors of health and structure attributed to a tree evaluate the individual specimen to what could be considered typical for that species growing in its location under current site and climatic conditions. For example, some species can display inherently poor branching architecture, such as multiple acute branch attachments with included bark. Whilst these structural defects may technically be considered arboriculturally poor, they are typical for the species and may not constitute an increased risk of failure. These trees may be assigned an intermediate structural rating of fair – poor (rather than poor) at the discretion of the assessor.

General Condition: Outlined below are the detailed guidelines utilized for the classification of general condition rating:

- **Excellent**: (Healthy)
  No major branch mortality: crown is typical with less than 10% branch or twig mortality; no signs of decay.
- **Good**: (Light Decline)
  Branch mortality, twig dieback in 11-25% of the crown: broken branches or crown missing based on presence of old snags is less than 26%; minor evidence of decay.
- **Fair**: (Moderate Decline)
  Branch mortality, twig dieback in 26-50% of the crown: broken branches or crown area missing based on presence of old snags is 50% or less; decay evident.
- **Poor**: (Severe Decline)
  Branch mortality, 50% or more of the crown dead: broken branches or crown area missing based on presence of old snags in more than 50%; decay resulting in high hazard assessment.
- **Dead**: (due to Natural or Human Causes)
  Tree is dead, either standing or down: phloem under bark has brown streaks: few epicormic shoots may be present.

Biological Health: Related to presence and extent of various attributes to describe the overall health and vigour of the tree.

Biological Health Category*	Vigour, Extension, & Growth	Decline symptoms, Deadwood, & Dieback	Foliage density, colour, size, & intactness	Pests and/or Disease
Excellent	Above typical. Excellent. Full canopy density.	None or negligible.	Above typical. No deficiencies or defects detected.	None or negligible.
Good	Above typical. Full canopy density.	Negligible.	Typical. Minor deficiencies or defects could be present.	Negligible.
Fair	Typical vigour. >80% canopy density.	More than typical. Small sub-branch dieback.	Exhibiting deficiencies. Could be thinning, or foliage smaller.	Minor, within damage thresholds.
Poor	Below typical or minimal – declining.	Excessive, large, and/or prominent amount and size of dead wood.	Exhibiting severe deficiencies. Thinning foliage, generally smaller or deformed.	Exceeds damage thresholds and contributing to decline.
Dead	Tree is dead	n/a	n/a	n/a

*Note that intermediate ratings can be applied, at the discretion of the arborist, in cases where biological health attributes fall within closely related categories, e.g. Good-Fair.

Structural Condition: Related to defects in a tree's structure, (i.e., lean, codominant trunks). Structural rating will also consider general branching architecture, stem taper, live crown ratio, crown symmetry, and crown position such as a tree being suppressed by more dominant trees. Tree structure zones listed below are adapted from Coder, Construction damage assessments: trees and sites, 1996 University of Georgia, USA.

Structure Category*	Root plate & Lower stem	Trunk	Primary branch support	Outer crown & Roots
Good	No obvious damage, disease or decay; obvious basal flare / stable in ground.	No obvious damage, disease, or decay; well tapered.	Well formed, attached, spaced and tapered. No history of failure.	No obvious damage, disease, decay, or structural defect. No history of failure.
Fair	Moderate-Minor damage or decay. Basal flare present.	Minor damage or decay.	Generally well-attached, spaced and tapered branches. Minor structural deficiencies may be present or developing. No history of branch failure.	Minor damage, disease, or decay; minor branch end-weight or over-extension. No history of branch failure.
Poor	Moderate - major damage, disease or decay; fungal fruiting bodies present. Excessive lean placing pressure on root plate.	Moderate - major damage, disease, or decay; exceeds recognized thresholds; fungal fruiting bodies present. Acute lean. Stump re-sprout.	Weak, decayed, cavities or has acute branch attachments with included bark; excessive compression flaring; failure likely. Evidence of major branch failure.	Moderate - major damage, disease or decay; fungal fruiting bodies present; major branch end-weight or over-extension. Branch failure evident.

*Note that intermediate ratings can be applied, at the discretion of the arborist, in cases where biological health attributes fall within closely related categories, e.g. Good-Fair.

Height (metres): Height of tree from ground to top of crown. Height is estimated from visual ground observations.

Position on Site: AP - above-ground planter; **ED** - Edge, e.g., forest, woodland; **IN** - Interior, e.g., forest, woodland; **HR** - hedgerow, row/linear group of trees; **OG** - open-grown; **PI** - planting island; **GP** - group/cluster

On-site Tree: Tree trunk located completely within the property boundary of the subject property.

Off-site Tree: Tree trunk located completely outside of the property boundary of the subject property.

Public Tree: Tree is located on the property of the municipality/region, e.g., within Right-of-Way.

Shared Tree: Tree shared between the subject property and adjacent private or public property (i.e. tree trunk located partially within the boundary of the subject property). Documented as '**S**' in off-site tree or municipal tree data columns.

Recommended Action: A recommendation of the following three categories is assigned to preserve or remove a tree:

i. The tree's current biological health and structural condition
ii. The anticipated impacts from proposed development
iii. The summary of the previous two categories.

Note: Only trees having a recommendation of preserve for both health and structure, and impacts from the proposed development are assigned a final recommendation of preserve.

P (Preserve) - Tree has a moderate to high biological health AND moderate to high structural condition, AND is likely to survive impact from the proposed development (if present). The tree is likely to survive for at least 3 to 5 years.

R (Remove) - Tree has low biological health, AND/OR low structural condition, AND/OR will not survive the proposed development impacts (if present). The tree is not likely to survive more than 1-3 years.

C (Conditional) - In some situations a tree's preservation or removal is related to potential relocation/modification of the limit of construction, and/or known arboricultural treatments that will likely improve the biological health and/or structural condition of the tree. This may include review of a tree's condition, e.g., roots, at time of construction/excavation.

Site Development Impact: Impact to tree is anticipated from proposed development (e.g., road, building) at or near the tree, and/or grade changes (cut/fill).

Transplant Potential: A transplantation recommendation of **Y**es or **N**o based on a tree's size, species, and condition, and present and future site conditions (e.g. near adjacent trees/objects, on slopes, soil type).

Codes of Damage Descriptions
BA - branch attachment poor
BB - burlap, basket, wire present on/in tree/root ball
BC - bark crack
BI - bark included
BN - bark necrosis
BS - basal trunk sprouts
CA – crown asymmetrical
CB - crown broken
CD - crown dieback
CK - canker (abnormal growth from disease or damage)
CL - crown live, CL20 - 20% live crown
CS - crown sprouts
CT - crown thin (having reduced foliage)
CV - crown vines
DW - deadwood
ES - Epicormic sprouts
FB - fungal bodies present
LC - leaves chlorotic (yellow)
LD - leaves defoliated
LP - leader poor/problem
MB - multiple branches from same point of attachment
ML - multiple leaders
PH - planted high
PI - improper pruning
PL - planted low
RC - root crown damage/abnormality
RE - roots exposed
RG - roots girdling
SC - stems co-dominant
SG - stem girdled
ST - soil on trunk
TB - trunk bent
TC - trunk cavity
TK - trunk crooked
TD - trunk decay
TE - trunk base enlarged abnormally
TF - trunk basal flair lacking / abnormal
TG - trunk/stem girdling
TL - trunk lean (L< 5°), (M 5-20°), (H>20°)
TM - trunks multiple from at or below ground level
TS - trunk split
TT - trunk twisted
TW - trunk wound
WW - wet wood

Quantified Tree Conditions (defects, diseases)
L (low, minor), M (moderate), H (high, severe)
e.g. TK(H) = severe crooked trunk
TD(L) = minor trunk decay
TF(H) = severely poor basal trunk flare

Cardinal Coordinates (N, S, E, W)
e.g., LN(L-S) = minor lean to the south

Codes of Recommendations
A - Add mulch
B - Remove attachments (burlap, wire, stake, guard)
C - Cable
F - Fertilize
L - lower soil level
M - Monitor
N - None Needed
P - Prune
R - Remove
S - Soil bulk density (compaction) lower
V - soil volume (increase)
W - Water

Priority: An action priority schedule (i.e. general timing) to provide arboricultural treatment(s).
E - Extremely Urgent (within a week)
U - Urgent (within 3 months)
H - High (within a year)
M - Moderate (within 3 years)
L - Low (little or no action required for at least 5 years)

Limitations of Tree Assessment

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

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

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

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

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

Appendix B

Tree Inventory Table
Millcroft Golf Course

Appendix B

Tree Inventory Table

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
246	*Fraxinus pennsylvanica*	Green Ash	35	2.4		4		10	Fair-Poor	Thin	Private	Remove-Tree not a candidate for retention
247	*Pinus strobus*	White Pine	47	3		5		6	Fair	Shaded-Thin	Private	Preserve
248	*Acer platanoides*	Norway Maple	32	2.4		4		12	Good		Private	Remove-Development
249	*Acer saccharinum*	Silver Maple	42	3		5		8	Good		Private	Remove-Development
250	*Populus deltoides*	Cottonwood	55	3.6		6		8	Poor	In decline, dead branches	Private	Remove-Development
251	*Picea abies*	Norway Spruce	37	2.4		4		8	Fair	Dead branches, thin	Private	Remove-Development
252	*Pinus nigra*	Austrian Pine	40	2.4		4		12	Good		Private	Preserve
253	*Pinus nigra*	Austrian Pine	32	2.4		4		8	Good		Private	Preserve
254	*Pinus nigra*	Austrian Pine	41	3		5		10	Good		Private	Preserve
255	*Picea pungens*	Blue Spruce	35	2.4		4		8	Good		Private	Preserve
256	*Picea pungens*	Blue Spruce	34	2.4		4		6	Fair-Good	Top damaged	Private	Remove-Development
257	*Picea pungens*	Blue Spruce	36	2.4		4		6	Good		Private	Remove-Development
258	*Thuja occidentalis* 'Emerald'	Emerald Cedar	30/23/18	2.4		4		6	Fair-Good	Stems splay out, prone to collapse	Private	Remove-Development
259	*Thuja occidentalis* 'Emerald'	Emerald Cedar	10/28/32	2.4		4		5	Fair-Good	Rope girdling stem, Stems splay out, prone to collapse	Private	Remove-Development
260	*Thuja occidentalis* 'Emerald'	Emerald Cedar	35	2.4		4		4	Good		Private	Remove-Development
261	*Thuja occidentalis* 'Emerald'	Emerald Cedar	16/22/10	2.4		4		4	Fair-Good	Stems splay out, prone to collapse	Private	Preserve
262	*Acer saccharinum*	Silver Maple	12	2.4		4		4	Good		Private	Preserve
263	*Acer saccharinum*	Silver Maple	12	2.4		4		5	Good		Private	Preserve
264	*Acer saccharinum*	Silver Maple	12	2.4		4		5	Good		Private	Preserve
265	*Acer negundo*	Manitoba Maple	11	2.4		4		4	Good		Private	Preserve
266	*Thuja occidentalis*	White Cedar	18/16/10/14 /10/10	2.4		4		5	Fair-Good	wound at base	Private	Preserve
267	*Thuja occidentalis*	White Cedar	22/8/8/3	2.4		1.8		3	Fair-Good	wound at base	Private	Preserve
268	*Thuja occidentalis*	White Cedar	14/16/16/18 /22	2.4		4		4	Good		Private	Preserve
269	*Thuja occidentalis*	White Cedar	18	2.4		4		1	Fair		Private	Preserve
270	*Thuja occidentalis*	White Cedar	15	2.4		4		1	Fair		Private	Preserve
271	*Thuja occidentalis*	White Cedar	17/18	2.4		4		3	Good		Private	Preserve
272	*Thuja occidentalis*	White Cedar	20	2.4		4		3	Good		Private	Preserve
273	*Thuja occidentalis*	White Cedar	10/10/10/13	2.4		4		5	Fair		Private	Preserve
274	*Thuja occidentalis*	White Cedar	12/10	2.4		4		3	Fair-Poor		Private	Remove-Development
275	*Thuja occidentalis*	White Cedar	11/18/18	2.4		4		4	Fair-Good		Private	Remove - proposed trail
276	*Thuja occidentalis*	White Cedar	20	2.4		4		4	Good		Private	Remove - proposed trail
277	*Thuja occidentalis*	White Cedar	13/24	2.4		4		5	Fair-Good	Leaning	Private	Remove - proposed trail
278	*Picea pungens*	Blue Spruce	22	2.4		4		2	Fair	Leaning	Private	Remove-Development
601	*Acer platanoides*	Norway Maple	20	2.4	5.0%	4	18.1%	5	Fair	Trunk damaged	Private	Preserve with Injury - Proposed Sidewalk

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
602	*Acer platanoides*	Norway Maple	16	2.4	5.0%	4	18.1%	4	Fair	Trunk damaged	Private	Preserve with Injury - Proposed Sidewalk
603	*Acer platanoides*	Norway Maple	15	2.4		4		3	Good		Private	Remove-Proposed Road
604	*Acer platanoides*	Norway Maple	16	2.4		4		4	Fair	Trunk damaged	Private	Remove-Proposed Road
605	*Picea pungens*	Blue Spruce	15	2.4		4		3	Good		Private	Remove-Development
606	*Picea pungens*	Blue Spruce	16	2.4		4		2	Fair	Thinning	Private	Remove-Development
607	*Picea pungens*	Blue Spruce	21	2.4		4		4	Good		Private	Remove-Proposed Road
608	*Picea glauca*	White Spruce	24	2.4		4		4	Good		Private	Remove-Proposed Road
609	*Picea glauca*	White Spruce	30	2.4		4		6	Good		Private	Remove-Proposed Tank
610	*Picea glauca*	White Spruce	36	2.4		4		6	Good		Private	Remove-Proposed Tank
611	*Picea glauca*	White Spruce	34	2.4		4		5	Good		Private	Remove-Proposed Trail
612	*Picea glauca*	White Spruce	28	2.4		4		6	Good		Private	Preserve
613	*Thuja occidentalis*	Eastern White Cedar	11, 11, 11	2.4		4		1	Good		Private	Preserve
614	*Acer x freemanii*	Freeman's Maple	20, 22, 22, 26	2.4		4		6	Good		Private	Preserve
615	*Pinus strobus*	Eastern White Pine	27	2.4	9.9%	4	25.2%	5	Good		Private	Preserve with Injury - Proposed Development
616	*Pinus strobus*	Eastern White Pine	25	2.4		4		5	Good		Private	Remove-Development
617	*Picea glauca*	White Spruce	20	2.4		4		4	Good		Private	Remove-Development
618	*Acer x freemanii*	Freeman's Maple	52	3.6	10.3%	5	20.4%	10	Good		Private	Preserve with Injury - Proposed Development
619	*Pinus strobus*	Eastern White Pine	27	2.4		4		6	Good		Private	Remove-Development
620	*Picea glauca*	White Spruce	19	2.4		4		3	Good		Private	Preserve
621	*Pinus strobus*	Eastern White Pine	29	2.4	17.7%	4	28.6%	6	Good		Private	Remove-Proposed Road
622	*Pinus sylvestris*	Scots Pine	21	2.4		4		4	Fair	Fungus present, damage at base, fair - poor	Private	Remove - Proposed Sidewalk
623	*Picea pungens*	Blue Spruce	22	2.4		4		2	Good		Private	Remove - Proposed Sidewalk
624	*Picea glauca*	White Spruce	21	2.4		4		4	Good		Private	Remove-Proposed Road
625	*Pinus strobus*	Eastern White Pine	32	2.4		4		7	Good		Private	Remove-Proposed Road
626	*Picea glauca*	White Spruce	18	2.4		4		3	Poor		Private	Remove-Proposed Road
627	*Picea pungens*	Blue Spruce	32	2.4		4		5	Good		Private	Remove-Proposed Road
628	*Pinus strobus*	Eastern White Pine	28	2.4		4		6	Good		Private	Remove-Proposed Road
629	*Picea glauca*	White Spruce	29	2.4		4		6	Good		Private	Remove-Proposed Road
630	*Picea glauca*	White Spruce	29	2.4		4		8	Good		Private	Remove-Proposed Road
631	*Picea glauca*	White Spruce	22	2.4		4		5	Good		Private	Remove-Proposed Road
632	*Pinus strobus*	Eastern White Pine	30	2.4		4		8	Good		Private	Remove-Proposed Road
633	*Tilia cordata*	Little-leaf Linden	24	2.4		4		6	Good		Private	Remove-Proposed Road
634	*Acer x freemanii*	Freeman's Maple	43	3	N/A	5	20.3%	8	Good		Private	Preserve with Injury - Proposed Sidewalk
635	*Acer x freemanii*	Freeman's Maple	36, 26	2.4		4		8	Good		Private	Preserve
636	*Acer x freemanii*	Freeman's Maple	29, 25	2.4		4		8	Good		Private	Remove-Development
637	*Acer x freemanii*	Freeman's Maple	18, 12	2.4		4		4	Fair		Private	Remove-Development
638	*Picea glauca*	White Spruce	30	2.4		4		4	Good		Private	Remove - Proposed Sidewalk

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
639	*Acer x freemanii*	Freeman's Maple	41	3		5		12	Good		Private	Remove-Proposed Trail
640	*Picea glauca*	White Spruce	17	2.4		4		2	Good		Private	Remove-Proposed Trail
641	*Acer x freemanii*	Freeman's Maple	14	2.4		4		4	Poor	Chlorotic, trunk wounded	Private	Remove-Development
642	*Acer x freemanii*	Freeman's Maple	13, 13, 8	2.4	24.9%	4	47.3%	6	Good		Private	Remove-Development / Swale
643	*Pinus sylvestris*	Scots Pine	22	2.4	19.9%	4	22.5%	5	Fair	Thinning	Private	Preserve with Injury - Proposed Swale
644	*Picea pungens*	Blue Spruce	18	2.4		4		2	Fair	Trunk damage	Private	Preserve with Injury - Proposed Swale
645	*Picea pungens*	Blue Spruce	20	2.4		4		2	Fair		Private	Remove-Proposed Trail
646	*Carya ovata*	Shagbark Hickory	20	2.4	25.4%	4	29.4%	4	Good		Private	Preserve with Injury - Change Trail Alignment
647	*Acer platanoides*	Norway Maple	16	2.4		4		5	Fair	Chlorotic, thinning	Private	Preserve
648	*Salix alba*	White Willow	12	2.4		4		4	Good	Weeping willow	Private	Preserve
649	*Salix alba*	White Willow	12	2.4		4		4	Good	Weeping	Private	Preserve
650	*Fraxinus pennsylvanica*	Green Ash	24	2.4		4		2	Poor	60% dieback	Private	Remove-Tree not a candidate for retention
651	*Pinus sylvestris*	Scots Pine	23	2.4		4		4	Fair	Thinning	Private	Preserve
652	*Pinus sylvestris*	Scots Pine	25	2.4		4		4	Fair		Private	Preserve
653	*Picea pungens*	Blue Spruce	20	2.4		4		2	Poor	Very thin	Private	Preserve
654	*Picea pungens*	Blue Spruce	26	2.4		4		3	Fair	Poor form	Private	Preserve
655	*Picea glauca*	White Spruce	14	2.4		4		2	Fair	Heaving out of ground	Private	Preserve
656	*Picea pungens*	Blue Spruce	22	2.4		4		2	Good		Private	Preserve
657	*Picea pungens*	Blue Spruce	18	2.4		4		2	Fair		Private	Preserve
658	*Fraxinus pennsylvanica*	Green Ash	29	2.4		4		6	Poor	70% dead	Private	Remove-Tree not a candidate for retention
659	*Picea glauca*	White Spruce	15	2.4		4		2	Good		Private	Preserve
660	*Picea glauca*	White Spruce	12	2.4		4		2	Good		Private	Preserve
661	*Picea glauca*	White Spruce	19	2.4		4		3	Good		Private	Preserve
662	*Picea glauca*	White Spruce	12	2.4		4		2	Good		Private	Preserve
663	*Pinus nigra*	Austrian Pine	38	2.4		4		6	Good		Private	Remove-Development
664	*Picea pungens*	Blue Spruce	16	2.4		4		4	Good		Private	Remove-Development
665	*Pinus nigra*	Austrian Pine	38	2.4	32.6%	4	37.2%	8	Good		Private	Remove-Development
666	*Pinus nigra*	Austrian Pine	34	2.4		4		8	Good		Private	Remove-Development
667	*Populus deltoides*	Eastern Cottonwood	12	2.4	21.0%	4	28.0%	2	Good		Private	Remove-Development
668	*Pinus sylvestris*	Scots Pine	32	2.4		4		8	Good		Private	Remove-Development
669	*Populus deltoides*	Eastern Cottonwood	15	2.4		4		2	Good		Private	Remove-Proposed Tank
670	*Acer platanoides*	Norway Maple	32	2.4		4		6	Good		Private	Remove-Development
671	*Acer platanoides*	Norway Maple	29	2.4	12.2%	4	26.0%	8	Good		Private	Remove-Development
672	*Acer platanoides*	Norway Maple	26	2.4	33.1%	4	39.4%	6	Good		Private	Remove-Development
673	*Acer saccharum*	Sugar Maple	24	2.4		4		6	Good		Private	Preserve
674	*Acer saccharum*	Sugar Maple	30	2.4	N/A	4	12.1%	10	Good		Private	Preserve with Injury - Proposed Wall
675	*Acer saccharum*	Sugar Maple	21	2.4		4		6	Good		Private	Preserve
676	*Acer platanoides*	Norway Maple	22	2.4		4		6	Good	In ROW	City of Burlington	Preserve
677	*Acer platanoides*	Norway Maple	23	2.4		4		8	Good	In ROW	City of Burlington	Preserve
678	*Acer platanoides*	Norway Maple	21	2.4		4		6	Good	In ROW	City of Burlington	Preserve

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
679	*Acer platanoides*	Norway Maple	18	2.4		4		4	Good	In ROW	City of Burlington	Preserve
680	*Acer platanoides*	Norway Maple	18	2.4		4		4	Good	In ROW	City of Burlington	Remove-Proposed Road
681	*Ulmus americana*	American Elm	10	1.8		4		2	Good	In ROW	City of Burlington	Preserve
682	*Ulmus americana*	American Elm	10	1.8		4		2	Good	In ROW	City of Burlington	Preserve
683	*Ulmus americana*	American Elm	12	2.4		4		2	Good	In ROW	City of Burlington	Preserve
684	*Picea glauca*	White Spruce	22	2.4		4		3	Good		Private	Preserve
685	*Picea glauca*	White Spruce	16, 10	2.4		4		4	Good		Private	Preserve
686	*Picea glauca*	White Spruce	39	2.4		4		4	Good		Private	Remove-Development
687	*Picea glauca*	White Spruce	28	2.4		4		4	Good		Private	Remove-Development
688	*Picea pungens*	Blue Spruce	32	2.4		4		5	Good		Private	Remove-Development
689	*Pinus nigra*	Austrian Pine	52	2.4		6		8	Good		Private	Remove-Development
690	*Pinus nigra*	Austrian Pine	44	2.4		5		8	Good		Private	Remove-Development
691	*Pinus nigra*	Austrian Pine	35	2.4		4		10	Good		Private	Remove-Proposed Road
692	*Pinus nigra*	Austrian Pine	35	2.4		4		10	Good		Private	Remove-Development
693	*Pinus nigra*	Austrian Pine	31	2.4		4		6	Good		Private	Remove-Development
694	*Picea abies*	Norway Spruce	20	2.4		4		4	Good		Private	Remove-Proposed Swale
695	*Picea abies*	Norway Spruce	24	2.4		4		6	Good		Private	Remove-Development Grading
696	*Tilia cordata*	Little-leaf Linden	20	2.4		4		4	Good		Private	Remove-Proposed Road
697	*Picea glauca*	White Spruce	15	2.4		4		4	Good		Private	Remove-Proposed Road
698	*Tilia cordata*	Little-leaf Linden	15	2.4		4		2	Good		Private	Remove-Proposed Road
699	*Picea glauca*	White Spruce	23	2.4		4		4	Good		Private	Preserve
700	*Picea abies*	Norway Spruce	27	2.4		4		6	Good		Private	Preserve
701	*Tilia cordata*	Little-leaf Linden	22	2.4		4		4	Good		Private	Remove-Development
702	*Picea glauca*	White Spruce	10	1.8		4		4	Good		Private	Remove-Development
703	*Picea glauca*	White Spruce	14	2.4		4		3	Good		Private	Preserve
704	*Picea abies*	Norway Spruce	24	2.4		4		8	Good		Private	Preserve
705	*Picea glauca*	White Spruce	10	1.8		4		4	Good		Private	Preserve
706	*Picea pungens*	Blue Spruce	26	2.4		4		3	Good		Private	Preserve
707	*Pinus nigra*	Austrian Pine	31	2.4		4		6	Good		Private	Preserve
708	*Picea glauca*	White Spruce	13	2.4		4		4	Good		Private	Preserve
709	*Acer platanoides*	Norway Maple	17	2.4		4		3	Good		Private	Preserve
710	*Picea glauca*	White Spruce	30	2.4		4		6	Fair	Thinning	Private	Preserve
711	*Acer negundo*	Manitoba Maple	26	2.4				4	Fair	Many dead branches, epicormic shoots, growing within fence	Private	Remove-Development
712	*Quercus rubra*	Northern Red Oak	13	2.4				3	Fair	Thin canopy, chlorotic, trunk damaged at base	Private	Remove-Development
713	*Picea pungens*	Blue Spruce	18	2.4				2	Good		Private	Remove-Development
714	*Picea pungens*	Blue Spruce	20	2.4				3	Good		Private	Remove-Development
715	*Picea pungens*	Blue Spruce	18	2.4				3	Good		Private	Remove-Development
716	*Picea pungens*	Blue Spruce	23	2.4				4	Good		Private	Remove-Development
717	*Picea pungens*	Blue Spruce	22	2.4				3	Good		Halton Region	Remove-Development

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
718	*Picea pungens*	Blue Spruce	16	2.4				3	Good		Private	Remove-Development
719	*Fraxinus pennsylvanica*	Green Ash	21	2.4				4	Poor	70% dead	Private	Remove-Tree not a candidate for retention
720	*Picea pungens*	Blue Spruce	14	2.4				2	Good		Private	Remove-Development
721	*Picea pungens*	Blue Spruce	16	2.4				2	Good		Private	Remove-Development
722	*Picea pungens*	Blue Spruce	15	2.4				2	Good		Private	Remove-Development
723	*Acer x freemanii*	Freeman's Maple	18	2.4				4	Good	Base damaged	Private	Remove-Development
724	*Picea pungens*	Blue Spruce	19	2.4				4	Good		Private	Remove-Development
725	*Picea pungens*	Blue Spruce	12	2.4				2	Good		Private	Remove-Development
726	*Quercus rubra*	Northern Red Oak	10	1.8				3	Good		Private	Remove-Development
727	*Picea pungens*	Blue Spruce	12	2.4				3	Good		Private	Remove-Development
728	*Picea pungens*	Blue Spruce	13	2.4				3	Good		Private	Remove-Development
729	*Picea pungens*	Blue Spruce	15	2.4				3	Good		Private	Remove-Development
730	*Picea pungens*	Blue Spruce	14	2.4				4	Good		Private	Remove-Development
731	*Fraxinus pennsylvanica*	Green Ash	14	2.4				4	Good		Private	Remove-Tree not a candidate for retention
1109	*Fraxinus pennsylvanica*	Green Ash	34	2.4		4		12	Poor	Dying	Private	Remove-Tree not a candidate for retention
2804	*Acer platanoides*	Norway Maple	27	2.4		4		15	Good		Private	Remove-proposed swale
3285	*Acer saccharinum*	Silver Maple	43	3		5		15	Good		Private	Remove-Development
3287	*Pinus nigra*	Austrian Pine	43	3	19.2%	5	35.0%	10	Good		Private	Preserve with Injury - proposed swale
3288	*Pinus nigra*	Austrian Pine	29	2.4		4		6	Good		Private	Remove-proposed swale
3289	*Picea pungens*	Blue Spruce	26	2.4		4		5	Good		Private	Remove-Development
3290	*Pinus nigra*	Austrian Pine	35	2.4		4		8	Fair-Good	Thinning canopy	Private	Remove-Development
3291	*Picea pungens*	Blue Spruce	30	2.4		4		5	Good		Private	Remove-Development
3292	*Pinus strobus*	White Pine	37	2.4		4		10	Good		Private	Remove-Development
3293	*Pinus nigra*	Austrian Pine	35	2.4		4		6	Good		Private	Remove-Development
3294	*Fraxinus pennsylvanica*	Green Ash	40	2.4		4		10	Poor	Dying	Private	Remove-Tree not a candidate for retention
3295	*Acer saccharinum*	Silver Maple	53	3.6	19.2%	6	32.6%	18	Fair-Good	Large wound in trunk	Private	Remove-Development
3296	*Pinus strobus*	White Pine	34	2.4		4		10	Good		Private	Remove-Development
3297	*Populus deltoides*	Cottonwood	13	2.4		4		2	Good		Private	Remove-Development
3298	*Pinus strobus*	White Pine	36	2.4		4		8	Good		Private	Remove-Development
3299	*Picea glauca*	White Spruce	14/21	2.4		4		5	Fair-Good		Private	Remove-Development
3300	*Acer saccharinum*	Silver Maple	52	3.6		6		15	Good		Private	Remove-Development
3301	*Pinus nigra*	Austrian Pine	26	2.4		4		7	Good		Private	Preserve
3302	*Pinus strobus*	White Pine	22	2.4		4		5	Fair	Top dying	Private	Preserve
3303	*Picea pungens*	Blue Spruce	22	2.4		4		5	Good		Private	Preserve
3304	*Thuja occidentalis*	White Cedar	17/14/16/14 /22	2.4		4		5	Good		Private	Preserve
3305	*Picea glauca*	White Spruce	24	2.4		4		6	Fair	Canopy thin	Private	Preserve
3306	*Thuja occidentalis*	White Cedar	24	2.4		4		4	Good		Private	Preserve
3307	*Thuja occidentalis*	White Cedar	24/20	2.4		4		6	Good		Private	Remove-proposed trail grading
3308	*Acer platanoides*	Norway Maple	24	2.4		4		6	Good		Private	Preserve
3309	*Pinus strobus*	White Pine	26	2.4		4		7	Good		Private	Preserve
3310	*Pinus strobus*	White Pine	34	2.4		4		10	Good		Private	Preserve
3311	*Picea glauca*	White Spruce	24	2.4	4.4%	4	20.7%	8	Good		Private	Preserve with Injury - proposed trail grading
3312	*Pinus strobus*	White Pine	34	2.4		4		10	Good		Private	Preserve

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3313	*Picea glauca*	White Spruce	32	2.4		4		8	Good		Private	Remove-proposed trail grading
3314	*Picea glauca*	White Spruce	24	2.4		4		5	Fair-Good		Private	Remove-proposed trail grading
3315	*Picea glauca*	White Spruce	16	2.4		4		2	Good		Private	Preserve
3316	*Pinus nigra*	Austrian Pine	24	2.4		4		6	Good		Private	Preserve
3317	*Pinus nigra*	Austrian Pine	34	2.4		4		6	Good		Private	Remove-Development
3318	*Pinus nigra*	Austrian Pine	36	2.4		4		6	Good		Private	Remove-proposed swale
3319	*Acer saccharinum*	Silver Maple	54	3.6		6		25	Good		Private	Remove-proposed swale
3320	*Acer saccharinum*	Silver Maple	50	3		5		20	Good		Private	Preserve
3321	*Populus deltoides*	Cottonwood	60	3.6		6		18	Fair	Leader gone	Private	Remove-Development
3322	*Acer saccharinum*	Silver Maple	36	2.4		4		20	Good		Private	Remove-Development
3323	*Fraxinus pennsylvanica*	Green ash	30	2.4		4		6	Fair	Top thin	Private	Remove-Development
3324	*Acer saccharinum*	Silver Maple	38	2.4		4		8	Good		Private	Remove-Development
3325	*Acer saccharinum* 'Laciniatum'	Silver Maple	36	2.4		4		8	Good		Private	Remove-Development
3326	*Acer saccharinum*	Silver Maple	26/20/26/24 /18	2.4	N/A	4	4.6%	15	Good		Private	Preserve
3327	*Acer saccharinum*	Silver Maple	14	2.4		4		5	Fair	Large wound in trunk	Private	Remove-Development
3328	*Acer x freemanii*	Freeman's maple	38	2.4		4		8	Good		Private	Remove-Development
3329	*Acer x freemanii*	Freeman's maple	26	2.4		4		6	Good		Private	Remove-Development
3330	*Acer x freemanii*	Freeman's maple	34	2.4		4		8	Good		Private	Remove-Development
3331	*Picea pungens*	Blue Spruce	28	2.4		4		5	Good		Private	Remove-Development
3332	*Picea pungens*	Blue Spruce	30	2.4		4		5	Good		Private	Remove-Development
3333	*Picea pungens*	Blue Spruce	28	2.4		4		5	Good		Private	Remove-Development
3334	*Pinus nigra*	Austrian Pine	40	2.4		4		7	Good		Private	Remove-Development
3335	*Quercus rubra*	Red Oak	36	2.4	14.4%	4	25.4%	8	Good		Private	Preserve with Injury - proposed swale
3336	*Quercus rubra*	Red Oak	22	2.4	15.5%	4	30.2%	8	Good		Private	Remove-Development
3337	*Acer saccharinum*	Silver Maple	34	2.4		4		8	Good		Private	Remove-Development
3338	*Acer saccharinum*	Silver Maple	28	2.4		4		6	Good		Private	Remove-Development
3339	*Picea glauca*	White Spruce	42	3		5		7	Good		Private	Preserve
3340	*Picea glauca*	White Spruce	24	2.4		4		5	Fair-Good	Thin	Private	Preserve
3341	*Picea glauca*	White Spruce	22	2.4		4		5	Fair-Good	Leaning	Private	Preserve
3342	*Acer platanoides*	Norway Maple	38	2.4		4		12	Good		Private	Preserve
3343	*Picea glauca*	White Spruce	20	2.4		4		7	Good		Private	Preserve
3344	*Fraxinus pennsylvanica*	Green Ash	28	2.4		4		6	Poor	Dying, EAB	Private	Remove-Tree not a candidate for retention
3345	*Picea glauca*	White Spruce	10/12	2.4		4		3	Fair-Poor	Codominant branching and thin canopy	Private	Preserve
3346	*Picea glauca*	White Spruce	12	2.4		4		3	Fair	Thining	Private	Preserve
3347	*Acer platanoides*	Norway Maple	26	2.4		4		4	Good		Private	Preserve
3348	*Fraxinus pennsylvanica*	Green Ash	28	2.4		4		7	Poor	Dying, EAB	Private	Remove-Tree not a candidate for retention
3349	*Acer saccharinum*	Silver Maple	14	2.4		4		2	Poor	heavily wounded	Private	Remove-Development
3350	*Acer saccharinum*	Silver Maple	32	2.4		4		7	Good		Private	Remove-Development
3351	*Malus sylvestris*	Crab Apple	28	2.4		4		4	Good		Private	Preserve
3352	*Malus sylvestris*	Crab Apple	20/ 20	2.4		4		6	Good		Private	Preserve
3353	*Malus sylvestris*	Crab Apple	22	2.4		4		5	Good		Private	Preserve
3354	*Malus sylvestris*	Crab Apple	18/ 16	2.4		4		6	Fair-Good	Shaded	Private	Preserve

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3355	*Picea pungens*	Blue Spruce	30	2.4		4		6	Good		Private	Preserve
3356	*Picea pungens*	Blue Spruce	42	3		5		6	Good		Private	Preserve
3357	*Picea pungens*	Blue Spruce	42	3		5		7	Good		Private	Preserve
3358	*Picea pungens*	Blue Spruce	44	3		5		6	Good		Private	Preserve
3359	*Picea pungens*	Blue Spruce	32	2.4		4		4	Fair	Lower limbs removed	Private	Preserve
3360	*Picea pungens*	Blue Spruce	46	3		5		7	Good		Private	Preserve
3361	*Picea pungens*	Blue Spruce	46	3		5		4	Good	In Regional ROW	Halton Region	Preserve
3362	*Malus sylvestris*	Crab Apple	17/10/16/12	2.4		4		5	Fair		Private	Preserve
3363	*Malus sylvestris*	Crab Apple	12/14/14	2.4		4		5	Fair		Private	Preserve
3364	*Malus pumila*	Apple	10/12/12	2.4		4		4	Fair		Private	Preserve
3365	*Malus pumila*	Apple	14/10/10/16 /12	2.4		4		6	Fair-Poor	Top snapped off	Private	Remove-SWM pond grading
3366	*Malus sylvestris*	Crab Apple	14/24	2.4		4		5	Fair-Good		Private	Remove-SWM pond grading
3367	*Acer platanoides*	Norway Maple	34	2.4		4		8	Fair	Crown dieback	Private	Remove-SWM pond grading
3368	*Acer platanoides*	Norway Maple	28	2.4		4		8	Fair-Good		Private	Remove-SWM pond grading
3369	*Acer platanoides*	Norway Maple	30	2.4		4		7	Good		Halton Region	Remove-SWM pond grading
3370	*Acer platanoides*	Norway Maple	22	2.4		4		8	Good		Private	Remove-SWM pond grading
3371	*Acer platanoides*	Norway Maple	22	2.4		4		6	Good		Private	Remove-SWM pond grading
3372	*Acer saccharinum*	Silver Maple	20	2.4		4		5	Good		Private	Remove-new trail grading
3373	*Acer saccharinum*	Silver Maple	14	2.4		4		5	Fair	Wound at base	Private	Preserve
3374	*Acer saccharinum*	Silver Maple	28	2.4		4		7	Good		Private	Preserve
3375	*Acer saccharinum*	Silver Maple	22	2.4		4		5	Good		Private	Preserve
3376	*Salix alba 'Tristis'*	Weeping Willow	26	2.4		4		8	Good		Private	Remove-new trail grading
3377	*Fraxinus pennsylvanica*	Green Ash	24	2.4		4		7	Good		Private	Remove-Tree not a candidate for retention
3378	*Acer saccharinum*	Silver Maple	20	2.4		4		6	Fair-Good		Private	Preserve
3379	*Salix fragilis*	Crack Willow	18/22/30/10 /14/12/22/2 0/12	2.4		4		20	Good		Private	Preserve
3380	*Acer saccharinum*	Silver Maple	42	3		5		10	Good		Private	Preserve
3381	*Tilia cordata*	Little Leaf Linden	28	2.4		4		5	Good		Private	Preserve
3382	*Acer saccharinum*	Silver Maple	40	3		4		10	Good		Private	Preserve
3383	*Fraxinus pennsylvanica*	Green Ash	16	2.4		4		5	Fair-Good		Private	Remove-Tree not a candidate for retention
3384	*Acer saccharinum*	Silver Maple	34	2.4		4		10	Good		Private	Preserve
3385	*Acer saccharinum*	Silver Maple	50	3		5		20	Good		Private	Preserve
3386	*Acer saccharinum*	Silver Maple	26	2.4		4		8	Good		Private	Preserve
3387	*Fraxinus pennsylvanica*	Green Ash	44	3		5		22	Poor	EAB, dying, dead branches	Private	Remove-Tree not a candidate for retention
3388	*Fraxinus pennsylvanica*	Green Ash	20	2.4		4		9	Fair-Good	Shaded	Private	Remove-Tree not a candidate for retention
3389	*Acer platanoides*	Norway Maple	30	2.4		4		5	Good		Private	Preserve
3390	*Acer saccharinum* 'Laciniatum'	Silver Maple	30	2.4		4		7	Good		Private	Preserve
3391	*Acer saccharinum* 'Laciniatum'	Silver Maple	42	3		5		12	Good		Private	Preserve
3392	*Acer saccharinum* 'Laciniatum'	Silver Maple	32	2.4		4		7	Good		Private	Preserve
3393	*Acer saccharinum*	Silver Maple	52	3.6		6		10	Good		Private	Preserve

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3394	*Fraxinus pennsylvanica*	Green Ash	32	2.4		4		8	Fair-Poor	EAB, dying	Private	Remove-Tree not a candidate for retention
3395	*Fraxinus pennsylvanica*	Green Ash	20	2.4		4		6	Fair-Poor	EAB, cracks in trunk	Private	Remove-Tree not a candidate for retention
3396	*Fraxinus pennsylvanica*	Green Ash	42	3		5		12	Poor	EAB, almost dead	Private	Remove-Tree not a candidate for retention
3397	*Acer x freemanii*	Freeman's Maple	34	2.4		4		6	Good		Private	Preserve
3398	*Pinus nigra*	Austrian Pine	16	2.4		4		4	Good		Private	Preserve
3399	*Acer x freemanii*	Freeman's Maple	34	2.4		4		6	Good		Private	Preserve
3400	*Acer x freemanii*	Freeman's Maple	48	3		5		15	Good		Private	Preserve
3401	*Acer saccharinum* 'Laciniatum'	Silver Maple	28	2.4		4		4	Good		Private	Preserve
3402	*Acer saccharinum* 'Laciniatum'	Silver Maple	36	2.4		4		7	Good		Private	Preserve
3403	*Picea pungens*	Blue spruce	34/30	2.4		4		10	Good	Included bark, dead branches	Private	Preserve
3404	*Picea pungens*	Blue spruce	28	2.4		4		6	Fair-Poor	Top dead	Private	Preserve
3405	*Picea pungens*	Blue spruce	44	3		5		9	Good		Private	Preserve
3406	*Fraxinus pennsylvanica*	Green Ash	24	2.4		4		6	Poor	EAB, dying	Private	Remove-Tree not a candidate for retention
3407	*Salix alba* 'Tristis'	Weeping Willow	34	2.4		4		8	Good		Private	Preserve
3408	*Fraxinus pennsylvanica*	Green Ash	26	2.4		4		6	Poor	EAB, dying	Private	Remove-Tree not a candidate for retention
3409	*Picea pungens*	Blue Spruce	35/32	2.4		4		10	Good		Private	Preserve
3410	*Fraxinus pennsylvanica*	Green Ash	16	2.4		4		3	Good		Private	Remove-Tree not a candidate for retention
3411	*Fraxinus pennsylvanica*	Green Ash	12	2.4		4		3	Good		Private	Remove-Tree not a candidate for retention
3412	*Fraxinus pennsylvanica*	Green Ash	24	2.4		4		5	Poor	EAB, dying	Private	Remove-Tree not a candidate for retention
3413	*Fraxinus pennsylvanica*	Green Ash	22	2.4		4		4	Poor	EAB, dying	Private	Remove-Tree not a candidate for retention
3414	*Tilia cordata*	Little Leaf Linden	30	2.4		4		6	Good		Private	Preserve
3415	*Tilia cordata*	Little Leaf Linden	38	2.4		4		10	Good		Private	Preserve
3416	*Gleditsia triacanthos*	Honey Locust	15	2.4		4		7	Good		Private	Preserve
3417	*Gleditsia triacanthos*	Honey Locust	20/20	2.4		4		8	Good		Private	Preserve
3418	*Gleditsia triacanthos*	Honey Locust	24	2.4		4		8	Good		Private	Preserve
3419	*Gleditsia triacanthos*	Honey Locust	14	2.4		4		5	Fair-Good	Wound at base	Private	Preserve
3420	*Populus deltoides*	Cottonwood	34	2.4		4		8	Good		Private	Remove-creek valley grading
3421	*Quercus rubra*	Red Oak	44	3		5		20	Good		Private	Remove-creek valley grading
3422	*Thuja occidentalis*	White cedar	34	2.4		4		4	Good		Private	Remove-creek valley grading
3423	*Pinus nigra*	Austrian Pine	36	2.4		4		7	Fair-Good		Private	Remove-creek valley grading
3424	*Thuja occidentalis*	White Cedar	20/20/12/24	2.4		4		6	Good		Private	Remove-creek valley grading
3425	*Pinus nigra*	Austrian Pine	32	2.4		4		5	Good		Private	Remove-creek valley grading
3426	*Pinus nigra*	Austrian Pine	38	2.4		4		6	Good		Private	Remove-creek valley grading
3427	*Pinus nigra*	Austrian Pine	38	2.4		4		8	Good		Private	Remove-creek valley grading
3428	*Pinus nigra*	Austrian Pine	36	2.4		4		7	Good		Private	Remove-creek valley grading
3429	*Pinus nigra*	Austrian Pine	34	2.4		4		7	Good		Private	Remove-creek valley grading
3430	*Thuja occidentalis*	White Cedar	22/26	2.4		4		6	Good		Private	Remove-creek valley grading
3431	*Pinus nigra*	Austrian Pine	30	2.4		4		6	Good		Private	Remove-creek valley grading
3432	*Thuja occidentalis*	White Cedar	18/18/20	2.4		4		5	Good		Private	Remove-creek valley grading
3433	*Pinus nigra*	Austrian Pine	28	2.4		4		5	Good		Private	Remove-creek valley grading
3434	*Pinus nigra*	Austrian Pine	36	2.4		4		5	Good		Private	Remove-creek valley grading
3435	*Pinus nigra*	Austrian Pine	36	2.4		4		6	Good		Private	Remove-creek valley grading
3436	*Picea pungens*	Blue Spruce	32	2.4		4		5	Good		Private	Remove-creek valley grading

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3437	*Picea pungens*	Blue Spruce	32	2.4		4		6	Good		Private	Remove-creek valley grading
3438	*Picea pungens*	Blue Spruce	26	2.4		4		4	Good		Private	Remove-creek valley grading
3439	*Picea pungens*	Blue Spruce	32	2.4		4		6	Good		Private	Remove-creek valley grading
3440	*Thuja occidentalis*	White Cedar	18/26/20	2.4		4		8	Fair-Good	Stems splay out, prone to collapse	Private	Remove-creek valley grading
3441	*Picea pungens*	Blue Spruce	30	2.4		4		6	Good		Private	Remove-creek valley grading
3442	*Fraxinus pennsylvanica*	Green Ash	30	2.4		4		7	Poor	EAB, dying	Private	Remove-Tree not a candidate for retention
3443	*Acer x freemanii*	Freeman's Maple	32	2.4		4		8	Good		Private	Remove-creek valley grading
3444	*Acer saccharinum*	Silver Maple	42	3		5		17	Good		Private	Remove-creek valley grading
3445	*Acer saccharinum*	Silver Maple	34	2.4		4		6	Good	Silver Maple	Private	Remove-creek valley grading
3446	*Picea pungens*	Blue Spruce	14	2.4		4		3	Good		Private	Remove-proposed roadway
3447	*Picea abies*	Norway Spruce	38	2.4		4		10	Good		Private	Preserve
3448	*Picea abies*	Norway Spruce	24	2.4		4		8	Good		Private	Remove-proposed roadway
3449	*Picea abies*	Norway Spruce	38	2.4		4		10	Good		Private	Preserve
3450	*Picea abies*	Norway Spruce	18	2.4		4		6	Good		Private	Preserve
3451	*Pinus nigra*	Austrian Pine	32	2.4		4		6	Good		Private	Remove-proposed roadway
3452	*Pinus nigra*	Austrian Pine	28/28	2.4		4		9	Good		Private	Remove-proposed roadway
3453	*Acer x freemanii*	Freeman's Maple	12	2.4		4		4	Good		Private	Remove-proposed roadway
3454	*Pinus nigra*	Austrian Pine	36	2.4		4		7	Good		Private	Preserve
3455	*Picea pungens*	Blue Spruce	20	2.4		4		2	Good		Private	Remove-proposed roadway
3456	*Picea pungens*	Blue Spruce	32	2.4		4		6	Good		Private	Remove-proposed roadway
3457	*Picea glauca*	White Spruce	24	2.4		4		5	Good		Private	Preserve
3458	*Picea glauca*	White Spruce	24	2.4		4		5	Good		Private	Preserve
3459	*Picea pungens*	Blue Spruce	26	2.4		4		5	Good		Private	Remove-proposed roadway
3460	*Picea pungens*	Blue Spruce	26	2.4		4		4	Good		Private	Remove-proposed roadway
3461	*Picea pungens*	Blue Spruce	26	2.4		4		5	Good		Private	Remove-proposed roadway
3462	*Acer platanoides*	Norway Maple	40	2.4		4		6	Good		Private	Preserve
3463	*Picea glauca*	White spruce	28	2.4		4		8	Good		Private	Remove-proposed roadway
3464	*Pinus nigra*	Austrian Pine	28	2.4		4		4	Good		Private	Remove-proposed roadway
3465	*Picea pungens*	Blue Spruce	28	2.4		4		5	Good		Private	Preserve
3466	*Pinus nigra*	Austrian Pine	30/38	2.4	0.8%	4	6.4%	8	Fair-Good		Private	Preserve with Injury - proposed swale
3467	*Picea glauca*	White Spruce	24	2.4		4		5	Fair	Thinning canopy	Private	Preserve
3468	*Acer platanoides*	Norway Maple	34	2.4		4		10	Poor	Large wound in trunk- dying	Private	Remove-Tree not a candidate for retention
3469	*Picea glauca*	White Spruce	32	2.4		4		8	Fair	Thinning canopy	Private	Preserve
3470	*Acer x freemanii*	Freeman's Maple	12	2.4		4		4	Good		Private	Remove-proposed roadway
3471	*Thuja occidentalis*	White Cedar	24/8	2.4		4		5	Good		Private	Remove-proposed roadway
3472	*Picea glauca*	White Spruce	34	2.4		4		6	Good		Private	Preserve
3473	*Acer platanoides*	Norway Maple	24	2.4		4		7	Good		Private	Preserve
3474	*Pinus nigra*	Austrian Pine	34	2.4		4		8	Good		Private	Remove-proposed swale
3475	*Picea glauca*	White Spruce	32	2.4		4		7	Good		Private	Preserve
3476	*Picea abies*	Norway Spruce	34	2.4		4		10	Good		Private	Preserve
3477	*Picea abies*	Norway Spruce	26	2.4		4		6	Fair-Good	Dead branches-shaded	Private	Preserve
3478	*Picea abies*	Norway Spruce	38	2.4		4		10	Good		Private	Preserve
3479	*Pinus nigra*	Austrian Pine	26	2.4		4		8	Good		Private	Remove-proposed swale
3480	*Pinus nigra*	Austrian Pine	35	2.4		4		10	Good		Private	Remove-Proposed Tank
3481	*Thuja occidentalis*	White Cedar	22/22	2.4	12.2%	4	26.8%	5	Good		Private	Remove-Proposed Tank

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3482	*Thuja occidentalis* 'Emerald'	Emerald Cedar	15/8	2.4		4		2	Good		Private	Remove-proposed roadway
3483	*Pinus strobus*	White Pine	34	2.4	N/A	4	11.7%	10	Good		Private	Remove-Proposed Tank
3484	*Picea abies*	Norway Spruce	28	2.4		4		8	Good		Private	Preserve
3485	*Picea abies*	Norway Spruce	34	2.4		4		10	Good		Private	Preserve
3486	*Acer platanoides*	Norway Maple	36	2.4		4		15	Good		Private	Preserve
3487	*Acer platanoides*	Norway Maple	34	2.4		4		8	Good		Private	Preserve
3488	*Acer platanoides*	Norway Maple	26	2.4	21.0%	4	26.0%	8	Good		Private	Remove-proposed swale
3489	*Picea pungens*	Blue Spruce	28	2.4		4		6	Good		Private	Remove-Proposed Tank
3490	*Pinus strobus*	White Pine	34	2.4		4		10	Good		Private	Remove-proposed roadway
3491	*Populus deltoides*	Cottonwood	50	3		5		8	Poor	Many dead branches- in decline	Private	Remove-Condition
3492	*Acer platanoides*	Norway Maple	44	3		5		20	Good		Private	Remove-proposed swale
3493	*Quercus macrocarpa*	Bur Oak	50	3		5		20	Good		Private	Remove-proposed roadway
3494	*Pinus nigra*	Austrian Pine	34	2.4		4		8	Good		Private	Remove-Development
3495	*Picea abies*	Norway Spruce	34	2.4	18.8%	4	26.6%	8	Good		Private	Preserve with Injury - proposed swale
3496	*Picea abies*	Norway Spruce	46	3	5.7%	5	18.3%	10	Poor	Dead	Private	Remove-Tree not a candidate for retention
3497	*Picea abies*	Norway Spruce	40	2.4		4		12	Good		Private	Remove-proposed swale
3498	*Picea abies*	Norway Spruce	32	2.4		4		8	Good		Private	Preserve
3499	*Picea abies*	Norway Spruce	36	2.4		4		10	Good		Private	Remove-proposed swale
3500	*Acer saccharinum*	Silver Maple	42	3		5		14	Good		Private	Remove-Development
3755	*Acer saccharinum*	Silver Maple	34	2.4		4		7	Good		Private	Remove-Development
3756	*Acer platanoides*	Norway Maple	34	2.4		4		10	Good		Private	Preserve
3757	*Acer platanoides*	Norway Maple	34	2.4		4		10	Good		Private	Preserve
3758	*Picea glauca*	White Spruce	28	2.4		4		5	Good		Private	Preserve
3759	*Acer platanoides*	Norway Maple	30	2.4		4		7	Fair	Thining crown	Private	Preserve
3760	*Picea glauca*	White Spruce	22	2.4		4		4	Fair	Thining crown	Private	Preserve
3761	*Acer platanoides*	Norway Maple	28	2.4		4		7	Poor	Early leaf drop - dying	Private	Remove-Tree not a candidate for retention
3762	*Picea glauca*	White Spruce	26	2.4		4		3	Fair-Good	Some dieback	Private	Preserve
3763	*Picea glauca*	White Spruce	30	2.4		4		6	Good		Private	Preserve
3764	*Acer platanoides*	Norway Maple	30	2.4		4		8	Poor	Thining canopy, no foliage	Private	Remove-Tree not a candidate for retention
3765	*Picea glauca*	White Spruce	28	2.4		4		6	Fair-Good	Shaded	Private	Preserve
3766	*Acer saccharinum*	Silver Maple	52	3.6		6		18	Good		Private	Remove-Development
3767	*Pinus nigra*	Austrian Pine	34	2.4		4		6	Good		Private	Remove-Development
3768	*Pinus strobus*	White Pine	26	2.4		4		8	Good		Private	Remove-Development
3769	*Pinus strobus*	White Pine	26	2.4		4		8	Good		Private	Remove-Development
3770	*Acer saccharinum*	Silver Maple	34	2.4		4		6	Fair	Large crack	Private	Remove-Development
3771	*Acer platanoides*	Norway Maple	42	3		5		20	Good		Private	Preserve
3772	*Picea glauca*	White Spruce	24	2.4		4		5	Fair-Poor	Heavily shaded	Private	Remove-Tree not a candidate for retention
3773	*Picea glauca*	White Spruce	24	2.4		4		4	Fair-Poor	Heavily shaded	Private	Remove-Tree not a candidate for retention
3774	*Picea glauca*	White Spruce	30	2.4		4		7	Fair	Heavily shaded	Private	Preserve
3775	*Acer platanoides*	Norway Maple	42	3		5		15	Good		Private	Preserve
3776	*Acer platanoides*	Norway Maple	26	2.4		4		3	Fair	Heavily shaded	Private	Preserve
3777	*Acer platanoides*	Norway Maple	20	2.4		4		5	Fair		Private	Preserve
3778	*Acer platanoides*	Norway Maple	20	2.4		4		3	Poor	Heavily shaded	Private	Remove-Tree not a candidate for retention
3779	*Acer platanoides*	Norway Maple	50	3		5		18	Good		Private	Preserve

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3780	*Acer saccharinum* 'Laciniatum'	Silver Maple	26	2.4		4		8	Good		Private	Remove-Development
3781	*Acer x freemanii*	Freeman's Maple	38	2.4		4		18	Good		Private	Remove-Development
3782	*Picea glauca*	White Spruce	26	2.4		4		6	Fair	Heavily shaded	Private	Preserve
3783	*Acer platanoides*	Norway Maple	44	3		5		18	Good		Private	Preserve
3784	*Acer platanoides*	Norway Maple	40	2.4		4		18	Good		Private	Preserve
3785	*Acer platanoides*	Norway Maple	30	2.4		4		18	Good		Private	Preserve
3786	*Picea glauca*	White Spruce	30	2.4		4		4	Fair	Heavily shaded	Private	Preserve
3787	*Pinus nigra*	Austrian Pine	34	2.4		4		8	Good		Private	Preserve
3788	*Pinus nigra*	Austrian Pine	34	2.4		4		10	Good		Private	Preserve
3789	*Pinus nigra*	Austrian Pine	32	2.4		4		10	Good		Private	Preserve
3790	*Acer platanoides*	Norway Maple	22	2.4		4		8	Good		Private	Preserve
3791	*Picea glauca*	White Spruce	24	2.4		4		5	Fair	Heavily shaded	Private	Preserve
3792	*Pinus nigra*	Austrian Pine	32	2.4		4		8	Good		Private	Remove-proposed swale
3793	*Pinus nigra*	Austrian Pine	28	2.4		4		7	Good		Private	Remove-proposed swale
3794	*Pinus nigra*	Austrian Pine	36	2.4		4		9	Good		Private	Preserve
3795	*Pinus nigra*	Austrian Pine	30	2.4		4		8	Fair	Canopy one sided	Private	Remove-proposed swale
3796	*Pinus nigra*	Austrian Pine	40	2.4		4		8	Good		Private	Remove-proposed swale
3797	*Pinus nigra*	Austrian Pine	34	2.4		4		7	Good		Private	Preserve
3798	*Acer platanoides*	Norway Maple	16	2.4		4		5	Good		Private	Remove-Development
3799	*Acer platanoides*	Norway Maple	14	2.4		4		4	Fair	Shaded	Private	Preserve
3800	*Pinus nigra*	Austrian Pine	28	2.4		4		5	Good		Private	Remove-Development
3801	*Pinus nigra*	Austrian Pine	42	3		5		8	Good		Private	Remove-Development
3802	*Pinus nigra*	Austrian Pine	39	2.4		4		6	Fair	Dead branch	Private	Remove-Development
3803	*Picea abies*	Norway Spruce	50	3		5		8	Good		Private	Remove-Development
3804	*Picea abies*	Norway Spruce	24	2.4		4		3	Fair	Heavy lean	Private	Remove-Development
3805	*Acer platanoides*	Norway Maple	16	2.4		4		4	Good		Private	Preserve
3806	*Acer platanoides*	Norway Maple	16	2.4		4		4	Good		Private	Remove-Development
3807	*Acer platanoides*	Norway Maple	14	2.4		4		3	Good		Private	Preserve
3808	*Acer platanoides*	Norway Maple	15	2.4		4		4	Fair	Large wound in trunk	Private	Preserve
3809	*Acer platanoides*	Norway Maple	17	2.4		4		5	Good		Private	Preserve
3810	*Acer saccharum*	Sugar Maple	34	2.4		4		8	Good		Private	Remove-Development
3811	*Picea pungens*	Blue Spruce	20	2.4		4		4	Fair		Private	Remove-Development
3812	*Picea pungens*	Blue Spruce	32	2.4		4		8	Good		Private	Remove-Development
3813	*Picea pungens*	Blue Spruce	26	2.4		4		5	Good		Private	Remove-Development
3814	*Acer platanoides*	Norway Maple	40	2.4		4		12	Good		Private	Remove-Development
3815	*Acer saccharinum*	Silver Maple	11	2.4		4		4	Good		Private	Remove-Development
3816	*Gleditsia triacanthos*	Honey Locust	41	2.4		5		10	Good		Private	Remove-Development
3817	*Acer saccharinum*	Silver Maple	50	3	14.5%	5	35.7%	18	Good		Private	Preserve with Injury - proposed swale
3818	*Fraxinus pennsylvanica*	Green Ash	43	3		5		18	Fair-Poor	Top dying	Private	Remove-Tree not a candidate for retention
3819	*Pinus nigra*	Austrian Pine	38	2.4		4		8	Good		Private	Remove-proposed swale
3820	*Acer saccharinum*	Silver Maple	47	3		5		15	Good		Private	Remove-Development
3821	*Pinus nigra*	Austrian Pine	43	3	17.7%	5	31.8%	8	Good		Private	Remove-Development
3822	*Pinus strobus*	White Pine	30	2.4	21.0%	4	35.8%	7	Fair-Good		Private	Remove-Development
3823	*Acer saccharinum*	Silver Maple	60	3.6	3.9%	6	19.4%	18	Good		Private	Preserve with Injury - proposed swale

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3824	*Pinus strobus*	White Pine	29	2.4	32.0%	4	55.1%	7	Fair-Good		Private	Remove-Development
3825	*Acer saccharinum*	Silver Maple	50	3		5		18	Good		Private	Remove-Development
3826	*Acer saccharinum*	Silver Maple	24	2.4		4		5	Fair	Many dead branches	Private	Remove-proposed swale
3827	*Acer platanoides*	Norway Maple	34	2.4	7.2%	4	23.1%	11	Good		Private	Remove-proposed swale
3828	*Picea pungens*	Blue Spruce	32	2.4		4		9	Good		Private	Remove-proposed swale
3829	*Acer saccharinum*	Silver Maple	62	4.2		7		15	Good		Private	Remove-Development
3830	*Acer saccharinum*	Silver Maple	50	3	7.8%	5	33.9%	15	Good		Private	Remove-Development / Swale
3831	*Picea pungens*	Blue Spruce	27	2.4		4		7	Good		Private	Remove-proposed swale
3832	*Picea pungens*	Blue Spruce	32	2.4		4		14	Good		Private	Remove-Development
3833	*Acer saccharinum*	Silver Maple	27	2.4		4		8	Good		Private	Remove-Development
3834	*Acer platanoides*	Norway Maple	30	2.4		4		18	Good		Private	Remove-Development
3835	*Acer saccharinum*	Silver Maple	54	3.6		6		30	Good		Private	Remove-Development
3836	*Prunus serotina*	Black Cherry	29	2.4		4		5	Fair-good		Private	Remove-Development
3837	*Acer saccharinum*	Silver Maple	47	3	26.1%	5	41.4%	16	Good		Private	Remove-Development / Swale
3838	*Tilia cordata*	Little Leaf Linden	32	2.4		4		7	Good		Private	Remove-proposed swale
3839	*Acer saccharinum*	Silver Maple	39	2.4		4		8	Good		Private	Remove-Development
3840	*Acer saccharinum*	Silver Maple	43	3		5		20	Good		Private	Remove-Development
3841	*Picea glauca*	White Spruce	28	2.4		4		5	Good		Private	Remove-Development
3842	*Acer saccharinum*	Silver Maple	30	2.4	N/A	4	25.4%	25	Good		Private	Preserve with Injury - proposed development
3843	*Tilia cordata*	Little Leaf Linden	24	2.4		4		6	Good		Private	Remove-Development
3844	*Fraxinus pennsylvanica*	Green Ash	30	2.4		4		10	Poor	Dying, EAB	Private	Remove-Tree not a candidate for retention
3845	*Acer saccharinum*	Silver Maple	56	3.6		6		18	Good		Private	Remove-Development
3846	*Tilia cordata*	Little Leaf Linden	28	2.4		4		8	Good		Private	Remove-proposed swale
3847	*Acer saccharinum*	Silver Maple	50	3		5		20	Good		Private	Remove-proposed swale
3848	*Fraxinus pennsylvanica*	Green Ash	28	2.4		4		10	Fair	Some dieback	Private	Remove-Tree not a candidate for retention
3849	*Acer saccharinum*	Silver Maple	50	3		5		20	Good		Private	Remove-Development
3850	*Picea pungens*	Blue Spruce	28	2.4		4		4	Good		Private	Remove-Development
3851	*Pinus nigra*	Austrian Pine	28	2.4		4		5	Fair	Top dead	Private	Remove-Development
3852	*Picea abies*	Norway Spruce	30	2.4	11.6%	4	28.0%	5	Good		Private	Preserve with Injury - proposed swale
3853	*Acer saccharinum*	Silver Maple	54	3.6		6		22	Good		Private	Remove-Development
3854	*Picea abies*	Norway Spruce	32	2.4		4		8	Good		Private	Remove-proposed swale
3855	*Picea glauca*	White Spruce	36	2.4	11.6%	4	26.0%	8	Good		Private	Preserve with Injury - proposed swale
3856	*Acer platanoides*	Norway Maple	34	2.4		4		9	Good		Private	Remove-proposed swale
3857	*Acer platanoides*	Norway Maple	28	2.4	20.4%	4	25.6%	6	Good		Private	Preserve with Injury - proposed swale
3858	*Acer platanoides*	Norway Maple	30	2.4		4		6	Fair-Poor	Very thin canopy	Private	Remove-proposed swale
3859	*Acer platanoides*	Norway Maple	36	2.4	23.8%	4	28.0%	8	Good		Private	Preserve with Injury - proposed swale
3860	*Pinus nigra*	Austrian Pine	36	2.4		4		7	Good		Private	Remove-Development
3861	*Acer saccharinum*	Silver Maple	38	2.4		4		10	Good		Private	Remove-Development
3862	*Pinus nigra*	Austrian Pine	32	2.4		4		6	Good		Private	Remove-Development
3863	*Pinus nigra*	Austrian Pine	38	2.4		4		8	Good		Private	Remove-Development
3864	*Pinus nigra*	Austrian Pine	34	2.4		4		10	Good		Private	Remove-Development
3865	*Acer saccharinum*	Silver Maple	34	2.4		4		9	Good		Private	Remove-Development
3866	*Pinus nigra*	Austrian Pine	26	2.4		4		5	Good		Private	Remove-Development
3867	*Pinus nigra*	Austrian Pine	28	2.4		4		6	Good		Private	Remove-Development
3868	*Acer saccharinum*	Silver Maple	28	2.4		4		6	Good		Private	Remove-Development

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3869	*Fraxinus pennsylvanica*	Green Ash	28	2.4		4		7	Good		Private	Remove-Tree not a candidate for retention
3870	*Pinus nigra*	Austrian Pine	34	2.4		4		7	Good		Private	Remove-Development
3871	*Pinus strobus*	White Pine	24	2.4		4		8	Poor	Almost Dead	Private	Remove-Development
3872	*Pinus nigra*	Austrian Pine	20	2.4		4		7	Fair	Thinning canopy	Private	Remove-proposed swale
3873	*Pinus strobus*	White Pine	20	2.4		4		4	Poor	Almost Dead	Private	Remove-Development
3874	*Pinus nigra*	Austrian Pine	34	2.4		4		8	Fair-Good		Private	Remove-Development
3875	*Pinus strobus*	White Pine	26	2.4		4		4	Fair-Good		Private	Remove-Development
3876	*Acer saccharinum*	Silver Maple	22	2.4		4		8	Good		Private	Remove-Development
3877	*Acer saccharinum*	Silver Maple	30	2.4	27.6%	4	36.0%	10	Good		Private	Remove-Development
3878	*Fraxinus pennsylvanica*	Green Ash	12	2.4		4		4	Good		Private	Remove-Tree not a candidate for retention
3879	*Fraxinus pennsylvanica*	Green Ash	14	2.4		4		4	Good		Private	Remove-Tree not a candidate for retention
3880	*Pinus nigra*	Austrian Pine	34	2.4		4		6	Good		Private	Remove-Development
3881	*Pinus nigra*	Austrian Pine	30	2.4		4		6	Good		Private	Remove-Development
3882	*Acer saccharinum*	Silver Maple	42	3	18.7%	5	32.7%	15	Good		Private	Preserve with Injury - proposed development
3883	*Pinus nigra*	Austrian Pine	32	2.4		4		8	Good		Private	Remove-Development
3884	*Pinus nigra*	Austrian Pine	34	2.4		4		10	Good		Private	Remove-Development
3885	*Pinus nigra*	Austrian Pine	30	2.4		4		5	Good		Private	Remove-Development
3886	*Pinus nigra*	Austrian Pine	28/16	2.4		4		5	Good		Private	Remove-Development
3887	*Pinus nigra*	Austrian Pine	22/20	2.4		4		5	Good		Private	Remove-Development
3888	*Acer saccharinum*	Silver Maple	36	2.4		4		15	Good		Private	Remove-Development
3889	*Pinus strobus*	White Pine	28	2.4		4		8	Good		Private	Remove-Development
3890	*Picea abies*	Norway Spruce	24	2.4		4		5	Good		Private	Preserve
3891	*Picea abies*	Norway Spruce	24	2.4		4		5	Good		Private	Remove-Development
3892	*Pinus strobus*	White Pine	20	2.4		4		2	Fair		Private	Remove-Development
3893	*Fraxinus pennsylvanica*	Green Ash	24	2.4		4		5	Poor	In decline, EAB	Private	Remove-Tree not a candidate for retention
3894	*Picea pungens*	Blue Spruce	32	2.4		4		4	Good		Private	Remove-Development
3895	*Picea pungens*	Blue Spruce	24/22	2.4		4		5	Good		Private	Remove-Development
3896	*Picea pungens*	Blue Spruce	38	2.4		4		6	Good		Private	Remove-Development
3897	*Fraxinus pennsylvanica*	Green Ash	40	2.4		4		12	Fair-Good		Private	Remove-Tree not a candidate for retention
3898	*Fraxinus pennsylvanica*	Green Ash	38	2.4		4		10	Fair-Good		Private	Remove-Tree not a candidate for retention
3899	*Pinus strobus*	White Pine	13	2.4		4		3	Fair		Private	Remove-Development
3900	*Acer saccharinum*	Silver Maple	30	2.4		4		8	Fair	Large crack down trunk	Private	Remove-Development
3951	*Picea glauca*	White Spruce	16	2.4		4		3	Good		Private	Remove-Development
3952	*Fraxinus pennsylvanica*	Green Ash	26	2.4		4		15	Fair	Dieback in crown	Private	Remove-Tree not a candidate for retention
3953	*Acer saccharinum*	Silver Maple	40	2.4		4		17	Good		Private	Remove-Development
3954	*Picea glauca*	White Spruce	18	2.4		4		4	Good		Private	Remove-Development
3955	*Acer saccharinum*	Silver Maple	38	2.4		4		15	Good		Private	Remove-Development
3956	*Acer saccharinum*	Silver Maple	48	3	15.9%	5	37.7%	18	Good		Private	Preserve with Injury - proposed development
3957	*Acer saccharinum*	Silver Maple	41	3		5		14	Good		Private	Remove-Development
3958	*Picea glauca*	White Spruce	20	2.4		4		8	Good		Private	Remove-Development
3959	*Tilia cordata*	Little Leaf Linden	20	2.4		4		4	Good		Private	Remove-Development
3960	*Tilia cordata*	Little Leaf Linden	22	2.4		4		4	Good		Private	Remove-Development
3961	*Acer saccharinum*	Silver Maple	28	2.4		4		8	Good		Private	Remove-Development
3962	*Tilia cordata*	Little Leaf Linden	20	2.4		4		4	Good		Private	Remove-Development
3963	*Acer saccharinum*	Silver Maple	28	2.4		4		6	Good		Private	Remove-Development

Tag	Species	Common Name	DBH (cm)	MTPZ (m)	MTPZ % Incursion	CRZ (m)	CRZ % incursion	Crown Dia. (m)	Condition	Comments	Ownership	Recommendation
3964	*Acer saccharinum*	Silver Maple	38	2.4		4		10	Good		Private	Remove-Development
3965	*Acer saccharinum*	Silver Maple	40	2.4		4		18	Good		Private	Remove-Development
3966	*Acer x freemanii*	Freeman's Maple	34	2.4		4		10	Good		Private	Remove-Development
3967	*Pinus nigra*	Austrian Pine	36	2.4		4		7	Good		Private	Remove-Development
3968	*Acer saccharinum*	Silver Maple	54	3.6		6		20	Good		Private	Remove-Development
3969	*Picea glauca*	White spruce	24	2.4		4		7	Good		Private	Remove-Development
3970	*Acer x freemanii*	Freeman's Maple	12	2.4		4		4	Fair-Poor	Large crack in trunk	Private	Remove-Tree not a candidate for retention
3971	*Tilia cordata*	Little Leaf Linden	28	2.4		4		7	Good		Private	Remove-Development
3972	*Acer saccharinum*	Silver Maple	46	3		5		15	Good		Private	Remove-Development
3973	*Pinus nigra*	Austrian Pine	38	2.4		4		8	Good		Private	Remove-Development
3974	*Pinus nigra*	Austrian Pine	32	2.4		4		12	Good		Private	Remove-Development
3975	*Picea glauca*	White Spruce	28	2.4		4		10	Good		Private	Remove-Development
3976	*Gleditsia triacanthos*	Honey Locust	16	2.4		4		5	Good		Private	Remove-Development
3977	*Pinus nigra*	Austrian Pine	40	2.4		4		8	Good		Private	Remove-Development
3978	*Gleditsia triacanthos*	Honey Locust	16	2.4		4		8	Good		Private	Remove-Development
3979	*Gleditsia triacanthos*	Honey Locust	24	2.4		4		9	Good		Private	Remove-Development
3980	*Acer saccharinum*	Silver Maple	50	3		5		20	Good		Private	Remove-Development
3981	*Pinus nigra*	Austrian Pine	38	2.4		4		12	Good		Private	Remove-proposed roadway
3982	*Pinus nigra*	Austrian Pine	45	3		5		15	Good		Private	Remove-proposed roadway
3983	*Pinus nigra*	Austrian Pine	38	2.4		4		8	Good		Private	Remove-proposed roadway
3984	*Acer saccharinum*	Silver Maple	30	2.4		4		12	Good		Private	Remove-proposed roadway
3985	*Pinus nigra*	Austrian Pine	38	2.4		4		9	Good		Private	Remove-proposed sidewalk
3986	*Acer saccharinum*	Silver Maple	32	2.4		4		8	Good		Private	Remove-proposed sidewalk
3987	*Acer saccharinum*	Silver Maple	28	2.4		4		5	Good		Private	Remove-proposed Swale
3988	*Pinus nigra*	Austrian Pine	46	3		5		12	Good		Private	Remove-Development
3989	*Acer saccharinum*	Silver Maple	38	2.4	6.1%	4	17.9%	15	Good		Private	Preserve with Injury - proposed path
3990	*Pinus nigra*	Austrian Pine	38	2.4		4		10	Good		Private	Remove-Development
3991	*Pinus nigra*	Austrian Pine	42	3		5		18	Good		Private	Remove-Development
3992	*Acer saccharinum*	Silver Maple	36	2.4		4		9	Good		Private	Remove-Development
3993	*Acer saccharinum*	Silver Maple	30	2.4		4		12	Good		Private	Remove-Development
3994	*Acer saccharinum*	Silver Maple	34	2.4		4		12	Good		Private	Remove-Development
3995	*Acer saccharinum*	Silver Maple	24	2.4		4		8	Good		Private	Remove-Development
3996	*Acer saccharinum*	Silver Maple	26	2.4		4		7	Good		Private	Remove-Development
3997	*Acer saccharinum*	Silver Maple	26	2.4		4		12	Good		Private	Remove-Development
3998	*Picea pungens*	Blue Spruce	32	2.4		4		5	Good		Private	Remove-Development
3999	*Picea pungens*	Blue Spruce	36	2.4		4		8	Good		Private	Remove-Development
4000	*Acer saccharinum*	Silver Maple	30	2.4		4		8	Good		Private	Remove-Development