



BURNSIDE

**Arborist Report - St. Thomas Aquinas
Rezoned Lands
304, 312, 324, & 332 Rebecca St,
Oakville, ON L6K 1K3**

**Halton Catholic District School Board
802 Drury Lane
Burlington, ON L7R 2Y2**

**c/o: Strategy 4 Inc.
2620 Bristol Circle #100
Oakville, ON L6H 6Z7**

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Distribution List

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Revision	Date	Description
0	May 26, 2016	Initial Submission

R.J. Burnside & Associates Limited

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Stewart Gibson
Ecologist / Tree Technician

Executive Summary

R.J. Burnside & Associates Limited were retained to complete an Arborist Report and Tree Preservation Plan to review the existing condition of trees on the lots identified as 304, 312, 324, and 332 Rebecca St, Oakville, Ontario. Trees were inventoried, assessed and mapped to determine the suitability for their preservation within the context of rezoning the above mentioned lots for a passive use area by the school.

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Disclaimer

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1.0 Introduction

Halton Catholic District School Board (HCDSB) retained R.J. Burnside & Associates Limited (Burnside) to prepare an Arborist Report and Tree Preservation Plan for the proposed rezoning of the above identified lots at 304, 312, 324, and 332 Rebecca St in Oakville, Ontario.

The intent of the report is to identify existing condition of trees on the lots that are proposed to be rezoned for a passive use area by the school.

2.0 Study Area

The Study Area is situated Rebecca Street, in the Town of Oakville on lands owned by the Halton Catholic District School Board. The site is situated adjacent to the St. Thomas Aquinas Catholic Secondary School. The study area is bordered to the north and east by a concrete sidewalk within a right-of-way now owned by the HCDSB while 2 parking lots border the west and south boundaries of the study area (school property and commercial lands, respectively). The site was formerly residential lands occupied by detached houses that have been demolished. The site is currently grassed with trees throughout as individuals and in hedgerows.

3.0 Methodology

The tree inventory and assessment was completed by Kevin Butt, ISA Certified Arborist on May 19, 2017, according to the Town of Oakville's Private Tree Protection By-law (By-Law Number 2017-038). Trees were mapped using the survey that included the majority of the tree locations. Locations of trees included in the assessment that are not in the survey were collected using a GPS during the field investigation.

The methodology used to assess the trees is provided in Appendix A. The following data was collected for each tree:

- Species;
- Diameter at Breast Height – DBH (cm);
- Condition (Good, Fair, Poor or Dead); and
- Additional comments (to supplement condition or location notes).

Preservation recommendations (i.e., preserve or remove) are provided in the data based on the existing condition.

Trees with a DBH 15 cm and greater within 6 m of the proposed lots to be rezoned were subject to detailed assessment; however additional select trees less than 15 cm were also included.

Assessment data is provided in Appendix B. Tree locations with the topographic survey information prepared by MacKay, MacKay & Peters Limited OGS (dated October 16, 2015) are provided on Figure T1 with the Minimum Tree Protection Zones (MTPZs) of the assessed trees as determined by Burnside. Limitations of this tree assessment are provided in Appendix C.

4.0 Findings

The lots within the study area contain open grown individuals and groupings of trees. Some of these trees have been subject to past pruning by the previous landowners. It is anticipated that two individuals (T39 and T40) were recently planted by the Town and T40 is found within the municipal road right-of-way. A series of fruit bearing trees including Common Pear (*Pyrus communis*), Cherry (*Prunus* sp.) and Crabapple (*Malus coronaria*) are found in the southwest corner of the study area. Cedar fencerows are found along the southern property boundary as well as in a hedgerow oriented north-south in the western area of the property.

4.1 Trees Recommended for Preservation

A total of 53 trees are recommended for preservation based on their existing condition.

4.2 Trees Recommended for Removal

A total of 2 trees are recommended for removal based on their existing condition.



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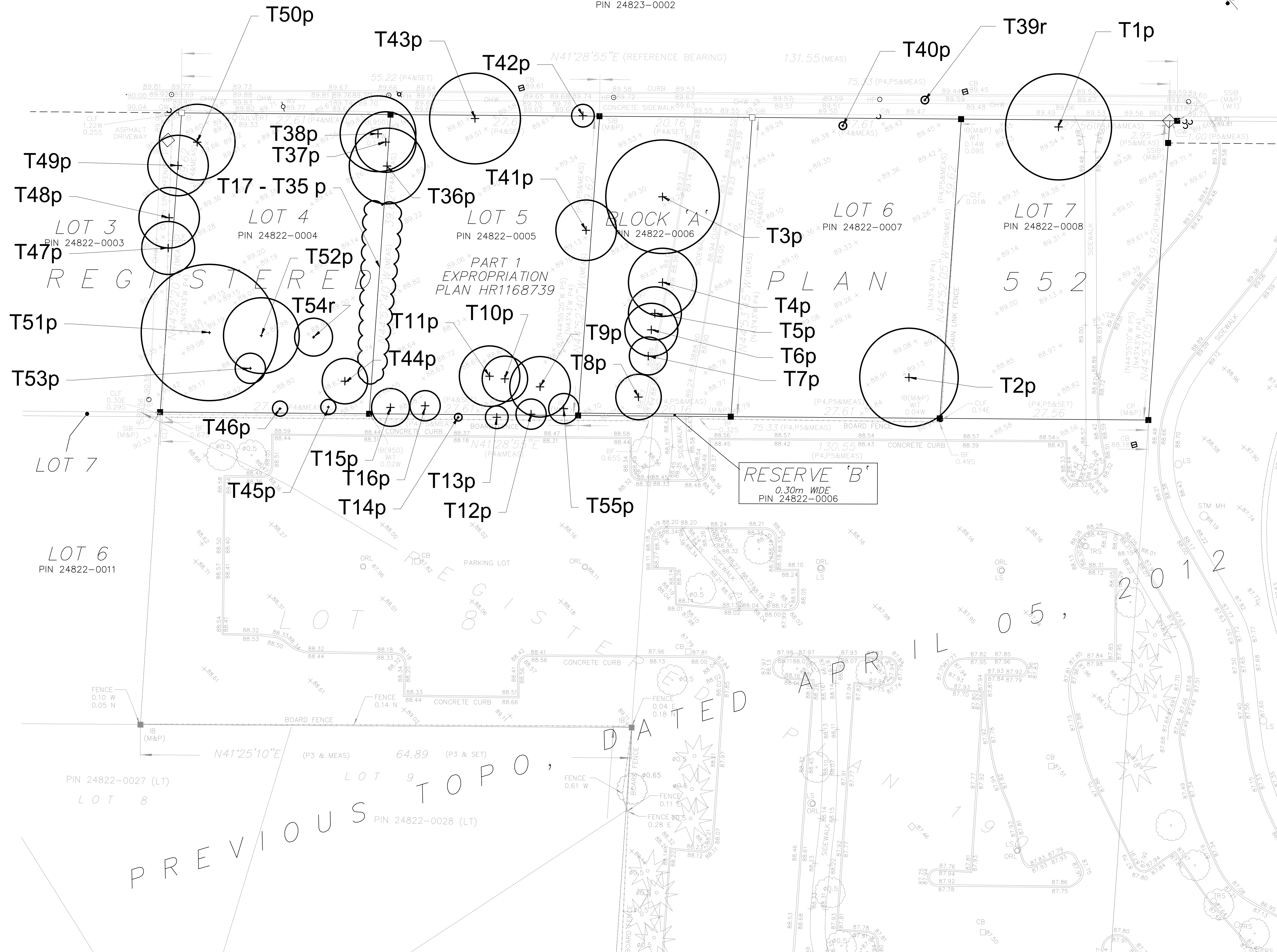
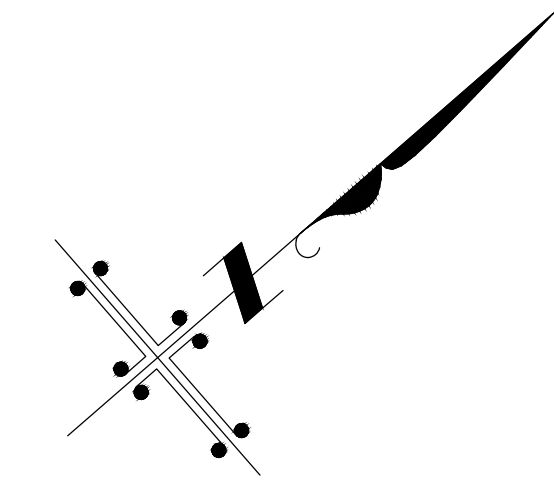
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Figure T1
Tree Preservation Plan

PLAN BEING PART 1
MUST BE READ IN CONJUNCTION WITH
SURVEY REPORT (PART 2)

REBECCA STREET

INSTRUMENT No. TW23094
PIN 24823-0002



LEGEND

	EXISTING TREE
	TREE NUMBER (47), RECOMMENDED FOR PRESERVATION
	TREE NUMBER (39), RECOMMENDED FOR REMOVAL

- Notes**
- This drawing is the exclusive property of R. J. Burnside & Associates Limited. The reproduction of any part without prior written consent of this office is strictly prohibited.
 - The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.
 - This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.
 - Topographic survey dated October 16, 2015 by Mackay, Mackay & Peters OGS.

NOT FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.

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C/O: STRATEGY 4 INC.
2620 BRISTOL CIRCLE #100
OAKVILLE, ONTARIO, L6H 6Z7

Drawn Title
ADDITIONAL LANDS: ST. THOMAS AQUINAS
TREE PRESERVATION PLAN

Drawn HN	Checked SG	Designed SG	Checked KB	Date 17/05/25	Drawing No.
Project No. 300040708	Revision No. 0				T1
Scale 1:250	0 50 100 150m				



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Appendix A

Tree Study Methodology

Appendix A. Tree Studies: Methodology

The list provided below represents all data that may be collected in the analysis of trees. Methodology descriptions should be reviewed with the column headings provided in the data. The columns represent the scope and extent of the tree assessment carried out.

Tree #: This number may be assigned by the tree assessor or predetermined by the surveyor or client. The number corresponds with the tree tag affixed to the tree, if tree tagging is part of the study's scope.

Species: Botanical name of the species and commonly used English name.

DBH (cm): Diameter at Breast Height measured using DBH tape or tree caliper.

Crown Reserve (m): Average measurement of the diameter or width of the dripline (extent of branches from the trunk). Generally the trunk is the midpoint of this measurement. It is represented on the drawing(s) as a circle. This measurement may not be used in the subject jurisdiction.

Condition: A qualitative score of the combination of biological health and structural condition assigned as Good, Fair, Poor or Dead.

Preservation Recommendation (Condition): Tree is recommended for preservation if has been assigned a condition rating of good or fair. Trees assigned poor condition ratings or are dead are recommended for removal.

Preservation Recommendation (Development): Tree is recommended for preservation if it can be incorporated into the proposed development, without significant impacts to the tree (including the rootzone). Trees recommended for removal are in conflict with the proposed development or significant impacts to the tree occur as a result of the development, impacting the short and longterm condition of the tree.

Preservation Recommendation (Final): A tree is recommended for preservation if it has been assigned a preservation recommendation for condition and development.

Comments: This section is intended to list additional information about the trees, as needed. Additional details on tree health or structure, as components of Condition, and the severity of the factor (e.g., severe crown dieback) may be included in this section that assisted the arborist with the qualification of the tree as Good, Fair or Poor.



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Appendix B

Tree Assessment Data sheet

Tree Number	Scientific Name	Common Name	DBH	MTPZ (m)	Condition	Preservation Recommendation	Comments
1	<i>Quercus rubra</i>	Red Oak	91	12.9	Fair	Preserve	Crown dieback (moderate), new sidewalk 1m from base
2	<i>Acer saccharum</i>	Sugar Maple	88	11.7	Fair	Preserve	2 wounds comp (moderate), multiple crossed over limbs
3	<i>Acer saccharinum</i>	Silver Maple	79	10.4	Good	Preserve	Girdling (low) exposed damaged roots (moderate)
4	<i>Acer platanoides</i>	Norway Maple	43	6.4	Good	Preserve	None
5	<i>Pinus strobus</i>	White Pine	26	3.9	Fair	Preserve	Light suppressed (moderate)
6	<i>Pinus strobus</i>	White Pine	37	5.2	Fair	Preserve	Light suppressed (moderate)
7	<i>Pinus strobus</i>	White Pine	19	3.8	Fair	Preserve	Light suppressed (moderate)
8	<i>Pinus strobus</i>	White Pine	24	3.8	Fair	Preserve	Crooked leader
9	<i>Acer platanoides</i>	Norway Maple	34	5.1	Good	Preserve	None
10	<i>Morus alba</i>	White Mulberry	16	3.8	Fair	Preserve	Crooked trunk
11	<i>Morus alba</i>	White Mulberry	26	3.9	Good	Preserve	None
12	<i>Acer platanoides</i>	Norway Maple	8	2.5	Good	Preserve	None
13	<i>Juglans nigra</i>	Black Walnut	11, 7	3.7	Good	Preserve	None
14	<i>Thuja occidentalis</i>	White Cedar	12	3.7	Fair	Preserve	None
15	<i>Pinus sylvestris</i>	Scots Pine	23	3.8	Fair	Preserve	Poor leader development (high)
16	<i>Thuja occidentalis</i>	White Cedar	19, 11, 6	3.8	Fair	Preserve	Past pruning (low)
17	<i>Thuja occidentalis</i>	White Cedar	17	3.8	Fair	Preserve	Light suppressed (high)
18	<i>Thuja occidentalis</i>	White Cedar	19	3.8	Fair	Preserve	Light suppressed (moderate)
19	<i>Thuja occidentalis</i>	White Cedar	19	3.8	Fair	Preserve	Light suppressed (moderate)
20	<i>Thuja occidentalis</i>	White Cedar	19	3.8	Fair	Preserve	Light suppressed (high)
21	<i>Thuja occidentalis</i>	White Cedar	18	3.8	Fair	Preserve	Light suppressed (high)
22	<i>Thuja occidentalis</i>	White Cedar	20	3.8	Fair	Preserve	Light suppressed (moderate)
23	<i>Thuja occidentalis</i>	White Cedar	18	3.8	Fair	Preserve	Light suppressed (high)
24	<i>Thuja occidentalis</i>	White Cedar	22	3.8	Fair	Preserve	Light suppressed (moderate)
25	<i>Thuja occidentalis</i>	White Cedar	17	3.8	Fair	Preserve	Light suppressed (high)
26	<i>Thuja occidentalis</i>	White Cedar	21	3.8	Fair	Preserve	Light suppressed (moderate)
27	<i>Thuja occidentalis</i>	White Cedar	16	3.8	Fair	Preserve	Light suppressed (high)
28	<i>Thuja occidentalis</i>	White Cedar	16, 12	3.8	Fair	Preserve	Light suppressed (high)
29	<i>Thuja occidentalis</i>	White Cedar	17	3.8	Fair	Preserve	Light suppressed (high)
30	<i>Thuja occidentalis</i>	White Cedar	24	3.8	Fair	Preserve	Light suppressed (high)
31	<i>Thuja occidentalis</i>	White Cedar	18	3.8	Fair	Preserve	Light suppressed (moderate)
32	<i>Thuja occidentalis</i>	White Cedar	16	3.8	Fair	Preserve	Light suppressed (high)
33	<i>Thuja occidentalis</i>	White Cedar	23	3.8	Fair	Preserve	Light suppressed (moderate)
34	<i>Thuja occidentalis</i>	White Cedar	18	3.8	Fair	Preserve	Light suppressed (moderate)
35	<i>Thuja occidentalis</i>	White Cedar	18	3.8	Fair	Preserve	Light suppressed (high)
36	<i>Acer platanoides</i>	Norway Maple	34	5.1	Good	Preserve	None
37	<i>Ailanthus altissima</i>	Tree-of-Heaven	24	3.8	Good	Preserve	None
38	<i>Ailanthus altissima</i>	Tree-of-Heaven	26	3.9	Good	Preserve	None
39	<i>Syringia reticulata</i>	Ivory silk lilac	5	2.5	Poor	Remove	Crown dieback (high)
40	<i>Acer freemanii</i>	Freeman maple	6	2.5	Good	Preserve	Recently planted
41	<i>Picea glauca</i>	White Spruce	49	6.5	Good	Preserve	None
42	<i>Thuja occidentalis</i>	White Cedar	26	3.9	Fair	Preserve	Severe trunk wound
43	<i>Ailanthus altissima</i>	Tree-of-Heaven	70	9.1	Good	Preserve	None
44	<i>Picea glauca</i>	White Spruce	40	5.2	Good	Preserve	None
45	<i>Thuja occidentalis</i>	White Cedar	19	3.8	Fair	Preserve	Light suppressed (moderate)
46	<i>Thuja occidentalis</i>	White Cedar	16	3.8	Fair	Preserve	Light suppressed (moderate)
47	<i>Juglans nigra</i>	Black Walnut	26	3.9	Good	Preserve	None
48	<i>Juglans nigra</i>	Black Walnut	36	5.2	Good	Preserve	None
49	<i>Ulmus pumila</i>	Siberian Elm	26, 30	5.1	Fair	Preserve	Growing into fence
50	<i>Acer platanoides</i>	Norway Maple	55	7.8	Fair	Preserve	None
51	<i>Sida triacanthos var.</i>	Thornless Honey-locust	90	11.7	Good	Preserve	Cavity in crotch
52	<i>Prunus spp.</i>	Fruit cherry	32	5.1	Fair	Preserve	None
53	<i>Malus coronaria</i>	Crabapple	17, 24, 14	3.8	Fair	Preserve	None
54	<i>Pyrus communis</i>	Common Pear	17	3.8	Poor	Remove	Crown dieback high
55	<i>Quercus rubra</i>	Red Oak	12	3.7	Good	Preserve	None

Total Preserve	53
Total Remove	2
Total Trees	55



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Appendix C

Limitations of Tree Studies

Tree Studies: Limitations

This report, drawings and data (i.e., qualitative and quantitative measurements) are intended to inform the recipient and reviewer(s) of the report of the tree(s) condition at the time of the assessment. The assessment may be limited by the following constraints:

1. Access – tree is located offsite, or the onsite location is not reasonably accessed.
2. Weather – accumulated snow around the base or in branch attachments may obscure defects.
3. Season – biotic indications (e.g., foliage chlorosis or fungal fruiting bodies) are only obvious for a portion of the year.
4. Visual obstructions – Elements such as other trees' canopies can prevent the view of the entire tree.

The study is completed from the ground using a DBH tape or tree caliper. Non-invasive tools such as binoculars and a sounding hammer may be used to provide additional information about defects and characteristics. Excavation of the rootzone and other intensive analyses have not been completed unless stated.

It must be understood that trees may not manifest signs or symptoms (e.g., dieback) of some impacts (e.g., root compaction) immediately and so recent changes to the tree or its growing conditions prior to the assessment may not be apparent to the assessor. Also, changes to the tree condition resulting from damage, weather, infestations, defects, soil, decay, light, moisture, exposure, etc. may occur after the assessment.

No tree is without some level of risk, where a tree may fail and strike a target. Mitigation options, if provided, will not eliminate risk but are prescribed treatments to reduce risk based on the measured and assessed factors at the time of assessment, subject to site and assessment constraints.

Identification of the ownership of assessed trees (i.e., on-site or off-site) made in the report is based on the legal survey. The assessor of trees uses the point location of the tree provided on the survey and the limits of property to assign ownership in the report and associated materials.