



TREE PRESERVATION REPORT FOR ZONING BY-LAW AMENDMENT

SOCIETY OF ST. VINCENT DE PAUL HOUSING INITIATIVE

Report prepared by
Ron Koudys Landscape Architects Inc

On April, 2024

RKLA Project #23-251



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ON-3009A

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1.0 INTRODUCTION AND EXECUTIVE SUMMARY

1.1 INTRODUCTION

Ron Koudys Landscape Architects Inc. (RKLA) was retained by Cornerstone Architecture Incorporated to prepare a tree assessment report in conjunction with the proposed affordable housing project at 1 Fallons Lane. The intent of this report is to summarize the findings of the tree assessment and make recommendations regarding tree preservation and removal based on tree health, the current site plan, and anticipated site grading for the purpose of application for rezoning.

1.2 EXECUTIVE SUMMARY

The inventory captured 52 individual trees. Trees were identified within the subject site, and within 3 meters of the legal property boundary. No species classified as endangered or threatened under the Ontario Endangered Species Act, 2007, S.O. 2007, c. 6 were observed during the tree inventory. All trees observed are common to the current land uses and can be characterized as anthropogenic or opportunistic. There are a number of recently planted trees under 10cm dbh on-site that have been included in this inventory.

1.2.1 TREE SPECIES COMPOSITION CHART

The following chart summarizes the amount of each tree species observed.

%	Qty.	Botanical Name	Common Name
23%	12	<i>Acer rubrum</i>	Red Maple
23%	12	<i>Acer saccharum</i>	Sugar Maple
15%	8	<i>Liriodendron tulipifera</i>	Tulip Tree
10%	5	<i>Acer saccharinum</i>	Silver Maple
8%	4	<i>Cercis canadensis</i>	RedBud
6%	3	<i>Betula</i> spp.	Birch
4%	2	<i>Platanus</i> x. <i>acerfolia</i>	London Plane Tree
4%	2	<i>Quercus robur</i>	English Oak
2%	1	<i>Acer negundo</i>	Manitoba Maple
2%	1	<i>Acer</i> spp.	Maple
2%	1	<i>Aesculus hippocastanum</i>	Horse Chestnut
2%	1	<i>Morus alba</i>	White Mulberry
100%	52		

1.2.2 TREE REMOVAL AND PRESERVATION RECOMMENDATIONS

- Removal of 9 trees from subject site due to direct conflict with proposed construction.
- Potential to transplant 32 trees (to be confirmed by owner). Review with site grading and servicing at the time of site plan approval.
- Preserve 10 trees located on the subject site and located on the adjacent property at 1290 Sandford Street. Review with site grading and servicing at the time of site plan approval.
- 3 trees located in the City ROW of Huron Street were included in this inventory. No impacts are expected to these trees.

- Follow pre, during, and post construction recommendations outlined in the Construction Impact Mitigation Recommendations in this report.

2.0 SUBJECT SITE AND SCOPE OF WORK

The subject site is located at 1 Fallons Lane. The inventory included the large sod area adjacent to the parking lot that has multiple small trees under 10cm dbh have been recently planted. The inventory also included trees located within 3 meters west of the property.

Refer to Figure 1 for scope of tree inventory.



Figure 1 - City of London mapping with 2022 aerial imagery. NTS

Red dashed line - Limit of inventory

3.0 METHODOLOGY

Field work was completed on January 8th, 2024 by RKLA staff member Kathleen Garrett, ISA certified arborist ON 3009A. A topographic survey provided by MTE dated December 19th, 2023 was used as a base for the field work and determined tree location/ownership. All trees within the given scope were identified and assessed. Trees were NOT tagged in the field. Each tree was assigned a number which are identified in the tree data table and on the tree preservation plan. Tree identification numbers include 1-52.

The following information was recorded for each individual tree:

- Genus + specific epithet (Species)
- Diameter at breast height (DBH) (centimetres)
- Crown radius (metres)
- Crown Condition (overall general vigour of crown)
- Structural Form (excellent, good, fair, poor)
- Structural Integrity (good, fair, poor, hazard)
- General Comments

3.1 HEALTH ASSESSMENT

Trees were assessed following accepted arboricultural techniques and best practices using a limited visual inspection. The inspection included a 360-degree visual examination of the above-ground parts of each tree for structural defects including cavities, wounds, scars, external indicators of internal decay, evidence of insect

presence, discoloured or deformed foliage, canopy and root distribution, and the overall condition of the tree. Evaluation of tree health was based on visible tree health indicators including live buds, foliage condition, deadwood, structural defects, form, and signs of disease or insect infestation. If needed, field observations were reviewed against available online imagery of the site to assist in determining tree canopy health. Quantified health assessments included in the inventory are explained here:

Crown Condition Assessment

- 5 Healthy: less than 10% crown decline
- 4 Slight decline: 11% - 30% crown decline
- 3 Moderate decline: 31% - 60% crown decline
- 2 Severe decline: 61% - 90% crown decline
- 1 Dead - No visible indication of living foliage or buds in crown

Structural Form Assessment

- Excellent: An ideal expression of a specific tree species, true to form, balanced canopy, good flare, typical internode length, full crown, etc.
- Good: A satisfactory and generally expected expression of a specific tree species, with only minor or typical variances from an ideal form.
- Fair: Nearly satisfactory, with defects or a combination of defects such as codominant leaders, unbalanced crown, poor/no flare, shortened internodes, has been poorly pruned, etc.
- Poor: Significantly flawed expression of a specific tree species

Structural Integrity Assessment

- Good: Defects if present are minor (e.g. twig dieback, small wounds); defective tree part is small (e.g. 5-8 cm diameter limb) providing little if any risk.
- Fair: Defects are numerous or significant (e.g. dead scaffold limbs); defective parts are moderate in size (e.g. limb greater than 5-8 cm in diameter).
- Poor: Defects are severe (trunk cavity in excess of 50%); defective parts are large (e.g. majority of crown).
- Hazard: Defects are severe and acute; defective part or collective defective parts render the tree a high risk threat to potential targets.

3.2 CRITICAL ROOT ZONES

The critical root zone of a tree is the portion of the root system that is the minimum necessary to maintain tree vitality and stability. Critical root zones are commonly prescribed by municipal bylaws based solely on DBH and/or drip line, and are typically expressed as a circular shape around the tree. There are a number of other factors, however, that are considered when establishing a critical root zone.

Factors that inform location and extent of a tree preservation barriers to protect the critical root zone include: species tolerance to root loss and other construction impacts (as established by authoritative resources and professional experience), tree trunk size (DBH), tree health and vigour, structural condition, landscape context, soil type, moisture availability, topography, ground cover, crown size (drip line) and balance, current physical root restrictions, visible root arrangement, relationship to neighbouring trees, relationship between tree and proposed construction, type of proposed construction, etc.

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The City of London Tree Protection By-Law (C.P.-1555-252) defines the Critical Root Zone as “the area of land within a radius of ten (10) cm from the trunk of a tree for every one (1) cm of trunk diameter”. The Tree Preservation drawing graphically represents this radius for trees to be preserved.

4.0 TREE INVENTORY AND PRESERVATION/REMOVAL RECOMMENDATIONS

4.1 TREE DATA TABLE

The following recommendations are based on requirements of the current site plan. Light grey indicates recommended transplant. Dark grey indicates recommended removal.

GENERAL INFORMATION				SIZE		HEALTH & CONDITION				RECOMMENDATIONS		
ID #	BOTANICAL NAME	COMMON NAME	LOCATION	DBH (cm)	CANOPY RADIUS (m)	CROWN CONDITION	STRUCTURAL FORM	STRUCTURAL INTEGRITY	COMMENTS	EXPECTED CONSTRUCTION IMPACTS	PRESERVE / REMOVE / TRANSPLANT	IMPACT MITIGATION / REMOVAL RATIONALE
1	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	6	0.5	5	Good	Good		conflict with proposed parking	transplant	
2	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	8	1	5	Fair	Good	Healing crack on west side of trunk	potential conflict with amenity space	transplant	
3	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallons Lane	4	0.5	5	Fair	Good	Minor basal damage, slight crooked trunk	potential conflict with amenity space	transplant	
4	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	7	0.5	5	Good	Good		potential conflict with amenity space	transplant	
5	<i>Cercis canadensis</i>	Eastern Redbud	1 Fallons Lane	6	0.5	5	Good	Good		potential conflict with amenity space	transplant	
6	<i>Cercis canadensis</i>	Eastern Redbud	1 Fallons Lane	3	0.5	5	Good	Good		potential conflict with amenity space	transplant	
7	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallons Lane	4	0.5	5	Excellent	Good		potential conflict with amenity space	transplant	
8	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	7	1	5	Fair	Good	Slight crack on west side of trunk	potential conflict with amenity space	transplant	
9	<i>Liriodendron tulipifera</i>	Tulipe Tree	1 Fallons Lane	3	0.5	5	Fair	Good	Slight crack on west side of trunk, crooked trunk	potential conflict with amenity space	transplant	
10	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	7	1	5	Fair	Good	Healing crack on west side of trunk	conflict with proposed parking	transplant	
11	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	8	1	5	Fair	Good	Healing crack on west side of trunk	conflict with proposed parking	transplant	
12	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallons Lane	3	0.5	5	Good	Good		potential conflict with amenity space	transplant	
13	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	6	1	5	Fair	Good	Crack on west side of trunk, basal damage	potential conflict with amenity space	remove	remove due to tree condition
14	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	8	1	5	Fair	Good	Narrow primary union	potential conflict with amenity space	transplant	

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15	<i>Betula spp.</i>	Birch	1 Fallons Lane	2	0.5	5	Good	Good		potential conflict with amenity space	transplant	
16	<i>Betula spp.</i>	Birch	1 Fallons Lane	5	0.5	5	Good	Good		potential conflict with amenity space	transplant	
17	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	8	1	5	Fair	Good	Minor basal damage	potential conflict with amenity space	transplant	
18	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	10	2	5	Fair	Good	Healing cracks west side of trunk	potential conflict with amenity space	transplant	
19	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	5	1	5	Fair	Good	Minor basal damage	potential conflict with amenity space	transplant	
20	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallons Lane	3	1	5	Good	Good		conflict with proposed parking	transplant	
21	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	8	1.5	5	Fair	Good	Minor basal damage	conflict with proposed building	transplant	
22	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	5	1	5	Fair	Good	Minor basal damage	conflict with proposed building	transplant	
23	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	8	1.5	5	Good	Good		conflict with proposed building	transplant	
24	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	12	2	5	Good	Good		conflict with proposed building	transplant	
25	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallons Lane	5	1	5	Fair	Good	Branch needs to be pruned at primary union	conflict with proposed sidewalk	remove	remove due to tree condition
26	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallons Lane	7	1	5	Good	Good		conflict with proposed sidewalk	transplant	
27	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	8	1	5	Fair	Good	Branch needs to be pruned at primary union	conflict with proposed building	remove	remove due to tree condition
28	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	11	1	5	Poor	Good	Major crack on west side healing	conflict with proposed building	remove	remove due to tree condition
29	<i>Platanus x acerifolia</i>	London Plane Tree	1 Fallons Lane	9	1.5	5	Poor	Good	Low primary union, no central leader	conflict with proposed building	remove	remove due to tree condition
30	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	8	1.5	5	Fair	Good		conflict with proposed building	transplant	
31	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	9	1.5	5	Good	Good		conflict with proposed building	transplant	
32	<i>Acer saccharum</i>	Sugar Maple	1 Fallons Lane	8	1.5	5	Good	Good		conflict with proposed building	transplant	
33	<i>Platanus x acerifolia</i>	London Plane Tree	1 Fallons Lane	9	1.5	5	Good	Good		conflict with proposed building	transplant	
34	<i>Cercis canadensis</i>	Eastern Redbud	1 Fallons Lane	8	1.5	5	Good	Good		conflict with proposed building	transplant	
35	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallons Lane	7	1	5	Good	Good		review grading at time of SPA	remove	remove due to building conflict

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GENERAL INFORMATION				SIZE		HEALTH & CONDITION				RECOMMENDATIONS		
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36	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	8	1.5	5	Good	Good		review grading at time of SPA	remove	remove due to building conflict
37	<i>Betula spp.</i>	Birch	1 Fallons Lane	9	2.5	5	Good	Good	Slight lean east	conflict with proposed building	transplant	
38	<i>Cercis canadensis</i>	Eastern Redbud	1 Fallons Lane	8	1.5	5	Fair	Good	Minor basal wound	conflict with proposed building	transplant	
39	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	7	1.5	5	Good	Good		conflict with proposed building	transplant	
40	<i>Acer rubrum</i>	Red Maple	1 Fallons Lane	6	1	5	Fair	Good	Branch needs to be pruned at primary union	conflict with proposed building	transplant	
41	<i>Morus alba</i>	White Mulberry	1 Fallons Lane	44	3	5	Poor	fair	Branches fused	no conflict	remove	remove due to building conflict
42	<i>Acer saccharinum</i>	Silver Maple	1 Fallons Lane	43	4.5	5	Fair	Good		conflict with proposed building	remove	remove due to tree condition
43	<i>Quercus robur</i>	English Oak	City ROW Huron Street	42	3.5	5	Good	Good		no conflict	preserve	N/A
44	<i>Acer saccharinum</i>	Silver Maple	1 Fallons Lane	52	4.5	5	Fair	Good		no conflict	preserve	N/A
45	<i>Acer spp.</i>	Maple	1 Fallons Lane	50	4	4/5	Fair	Good	Minor inclusive bark	no conflict	preserve	N/A
46	<i>Acer negundo</i>	Manitoba Maple	1290 Sandford Street	-35, 30	4.5	5	Poor	Fair	Multi-stem 2, primary union at grade, dead stem growing in the middle of primary union	no conflict	preserve	N/A
47	<i>Aesculus hippocastanum</i>	Horse-Chestnut	1 Fallons Lane	42	4	5	Fair	Good	Suppressed by #48, low primary union, canopy heavy east	no conflict	preserve	Tree protection barrier
48	<i>Acer saccharinum</i>	Silver Maple	1290 Sandford Street	-45	6	5	Good	Good	Lower 1.5 meters of trunk not visible due to wood fence	no conflict	preserve	Tree protection barrier
49	<i>Acer saccharinum</i>	Silver Maple	1290 Sandford Street	-40	6	5	Good	Good	Lower 1.5 meters of trunk not visible due to wood fence	no conflict	preserve	Tree protection barrier
50	<i>Acer saccharinum</i>	Silver Maple	1290 Sandford Street	-40	6	5	Good	Good	Lower 1.5 meters of trunk not visible due to wood fence	no conflict	preserve	Tree protection barrier
51	<i>Acer saccharum</i>	Sugar Maple	City ROW Huron Street	24	3	5	Good	Good	Slight lean east	no conflict	preserve	N/A
52	<i>Quercus robur</i>	English Oak	City ROW Huron Street	34	3.5	5	Good	Good		no conflict	preserve	N/A

5.0 POTENTIAL CONSTRUCTION IMPACTS ON TREES

Some trees have been recommended for removal due to direct conflict with the proposed development. Some trees that have been recommended for preservation may be in proximity to the proposed construction. Trees to be preserved may be affected by the construction process, or by the construction itself. It is imperative that the design team and the construction crew understand the potential for, and the causes of tree damage. Trees recommended for preservation may experience some

or all of the following potential construction impacts. Strategies and methods to avoid these impacts are outlined in the Construction Impact Mitigation Recommendations section of this report.

5.1 SOIL COMPACTION

Soil compaction is caused by heavy or repeated compression or vibration of the soil around the tree. Soil compaction reduces the amount and size of macro and micro pore space that is vital for subsurface movement of air and water. The harmful effects of soil compaction include, but are not limited to: slower water infiltration, poor aeration, reduced root growth and an overall increased susceptibility to biotic and abiotic stressors.

5.2 ROOT LOSS

Root loss occurs when roots are severed. The majority of roots are typically located within the top 60cm of soil and can extend outward up to three times the extent of the tree drip line. Excavation of any kind within the critical root zone* can sever roots. Two categories of roots need to be considered when evaluating impacts of root loss - small, fibrous absorbing roots, and large structural roots. Significant loss of either or both of these functions can cause stress and/or affect the structural stability of the tree. Note, however, that it is commonly accepted that healthy trees can typically tolerate and recover from the removal of approximately 33% (up to a maximum of 50%) of their root mass. Thorough consideration regarding extent of acceptable root removal is dependent on individual species characteristics, root loss distribution, and site specific conditions (*ref. Trees and Development: A Technical Guide to Preservation of Trees During Land Development by Nelda Matheny and James R. Clark, 1998. Pg 72*).

* Refer to ‘Critical Root Zones’ in this report for definition.

5.3 GRADE CHANGES

Lowering of the grade around trees has immediate and long term effects on trees. Lowering of grade requires immediate root loss from cutting the roots which results in water stress from the root removal and potential reduced structural stability.

Raising the grade around a tree can be equally damaging. The addition of fill over the root zone of a tree alters the roots’ ability for normal water and gas exchange that is necessary for healthy root growth and stability. Fill essentially suffocates the roots and can lead to the slow and eventual decline of the tree.

5.4 MECHANICAL DAMAGE

Mechanical damage is caused by physical contact with a tree that damages the tree to any degree. During land development and construction activities, there is an increased risk of both minor and fatal mechanical damage to trees from construction equipment. Minor damage can create entry points for insects and pathogens, and fatal damage can cause irreparable structural damage.

5.5 CHANGES TO EXPOSURE - SUN AND WIND

Trees can be negatively affected by increased exposure to sun or wind when neighbouring trees are removed. This can be of particular concern when ‘interior trees’ (trees that have developed surrounded by other trees) are suddenly exposed to forest edge conditions. These trees may experience higher intensity of direct sunlight resulting in leaf scald, and instability due to increased wind and snow loads.

Trees can be negatively affected by decreased exposure to sunlight. Proposed development that includes tall buildings located to the south and west of mature existing trees can greatly reduce the amount of daily direct sunlight. While this change in environment may not cause the immediate or eventual death of a tree, it can certainly slow development and alter growing habits and patterns, and must therefore be a consideration when evaluating trees for potential preservation.

5.6 SOIL CONTAMINATION

Soil health around a tree can be compromised by contamination from spills or leaks of fuels, solvents, or other construction related fluids.

5.7 WATER AVAILABILITY

Grading and servicing requirements for development can affect water availability for trees. Trees may experience a loss of available water due to a lowered water table or the capture or redirection of subsurface and/or overland flow. Conversely, trees may experience an increase of available water due to changes in site grading and storm water retention efforts.

The successful survival of the trees to be preserved is largely dependent on adhering to the construction impact mitigation recommendations that follow.

6.0 CONSTRUCTION IMPACT MITIGATION RECOMMENDATIONS

The following general recommendations are provided to guide the removal process, mitigate construction impacts, and ensure compliance with provincial, federal, and municipal regulatory requirements. Some of the recommendations listed below are noted to be undertaken by an ISA certified arborist.

6.1 PRE-CONSTRUCTION RECOMMENDATIONS

- a) Prior to any construction activity, tree preservation fencing is to be installed as per the attached tree preservation drawings and detail.
- b) Trees approved for removal are to be clearly indicated in the field (marked with spray paint or other agreed upon method) by the project arborist or landscape architect prior to any tree removal operations. All removals to be undertaken by an ISA certified arborist.
- c) In accordance with the Migratory Birds Convention Act, 1994, all removals must take place between September 1st and March 31st to avoid disturbing nesting migratory birds. If tree removal occurs between April 1st and August 31st, a biologist is required to complete a search for nests. Once cleared, the contractor has 48 hours to remove. If removal does not occur within 48 hours, another search will be required.
- d) Care should be taken during the felling operation to avoid damaging the branches, stems, trunks, and roots of nearby trees to be preserved. Where possible, all trees are to be felled towards the construction zone to minimize impacts on adjacent vegetation. All removals to be undertaken by an ISA certified arborist.
- e) It is recommended that the existing ground-layer vegetation at the base of trees to be preserved remain intact within the critical root zone so as not to disturb the soil around the base of the existing trees.
- f) Final site grading plans should ensure that the existing soil moisture conditions are maintained.

6.2 RECOMMENDATIONS RELATED TO THE CONSTRUCTION PROCESS

- a) Tree preservation fencing is to be maintained in good condition and effective for the duration of construction until all construction activity is complete or as per the project arborist or landscape architect.
- b) Tree preservation fencing is to remain intact as per the tree preservation drawings, and can only be temporarily removed with the express written consent from the project arborist or landscape architect. Should tree preservation fencing be temporarily relocated or moved, it is to be reinstated as per the tree preservation plans as soon as possible.
- c) No construction, excavation, adding of fill, stockpiling of construction material, or heavy equipment is permitted within the critical root zone/within the tree preservation fencing.
- d) When excavation near a tree is required, and it is anticipated that roots will be severed and exposed, duration of exposure is to be minimized to prevent root desiccation.
- e) During the excavation process, roots 25mm or larger that are severed and exposed should be hand pruned to leave a clean-cut surface. To be undertaken by an ISA certified arborist. Exposed severed roots that cannot be covered in soil on the same day as the cuts are made are to be kept moist. Exposed roots are to be kept moist by covering them with water soaked burlap or any other means available to prevent them from drying out.
- f) Avoid idling heavy equipment under or within close proximity to trees to be preserved to prevent canopy damage from exposure to the heat of the exhaust.
- g) Broken branches on trees within the subject site to be preserved should be cleanly cut as soon as possible after the damage has occurred. To be undertaken by an ISA certified arborist.

6.3 POST-CONSTRUCTION RECOMMENDATIONS

- a) Avoid discharging rain water leaders adjacent to retained trees, as this may result in an overly moist environment which can cause root rot.
- b) After all work is completed, tree preservation fences and any other impact mitigation paraphernalia must be removed.
- c) A final review must be undertaken by the project arborist or landscape architect to ensure that all mitigation measures as described above have been met.

7.0 DISCLAIMER

The assessment of the trees presented within this report has been made using accepted arboricultural techniques. These include a visual examination of the above-ground parts of each tree for structural defects, scars, external indications of decay, evidence of insect presence, discoloured foliage, the general condition of the trees and the surrounding site, as well as the proximity of property and people. 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 realized that trees are living organisms and their health and vigour is constantly changing. They are not immune to changes in site conditions or seasonal variations in the weather.

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While reasonable efforts have been made to ensure the trees recommended for retention are healthy, no guarantees are offered or implied, that these trees or any part of them will remain standing.

Note that this arborist report has been prepared using the latest drawings and information provided by the client. Any subsequent design or site plan changes affecting trees may require revisions to this report. Any new information or drawings are to be provided to RKLA prior to report submission to planning authorities.

8.0 CONTACT INFORMATION

Office:

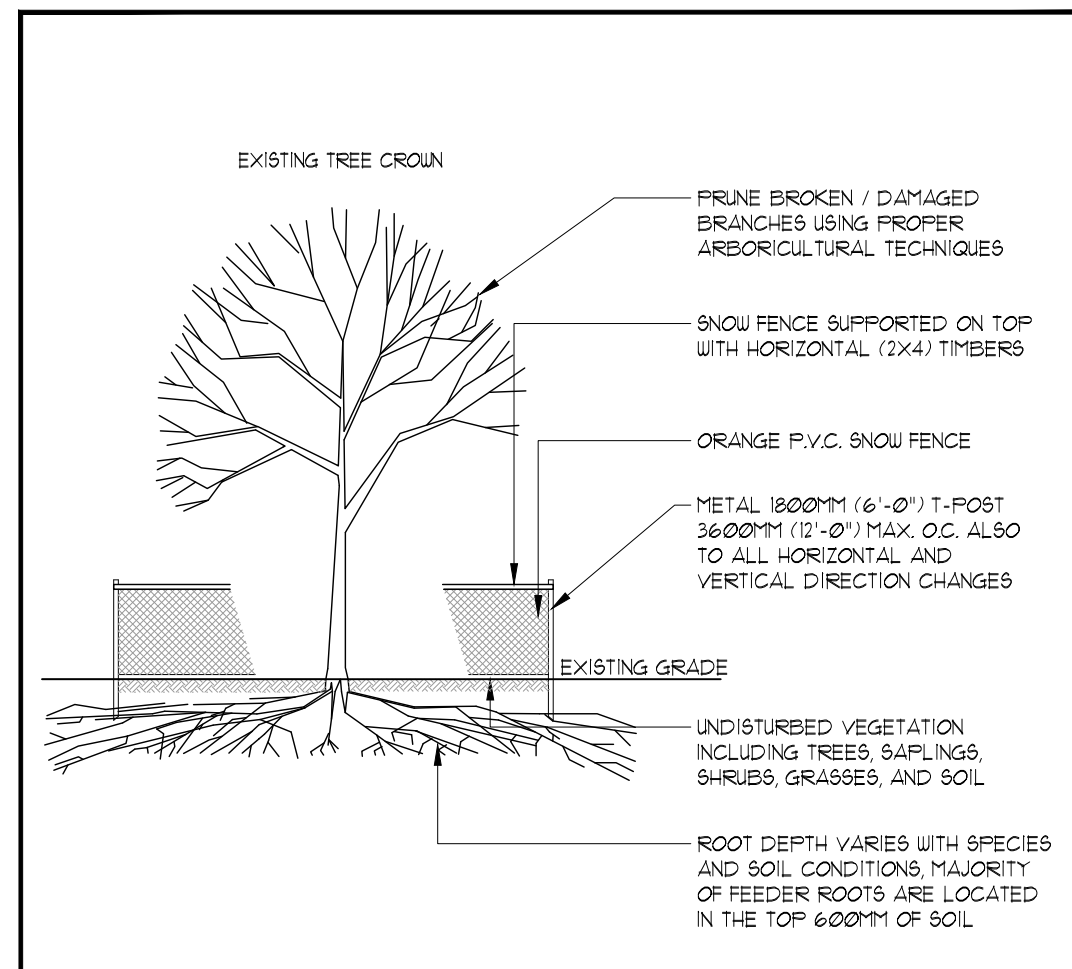
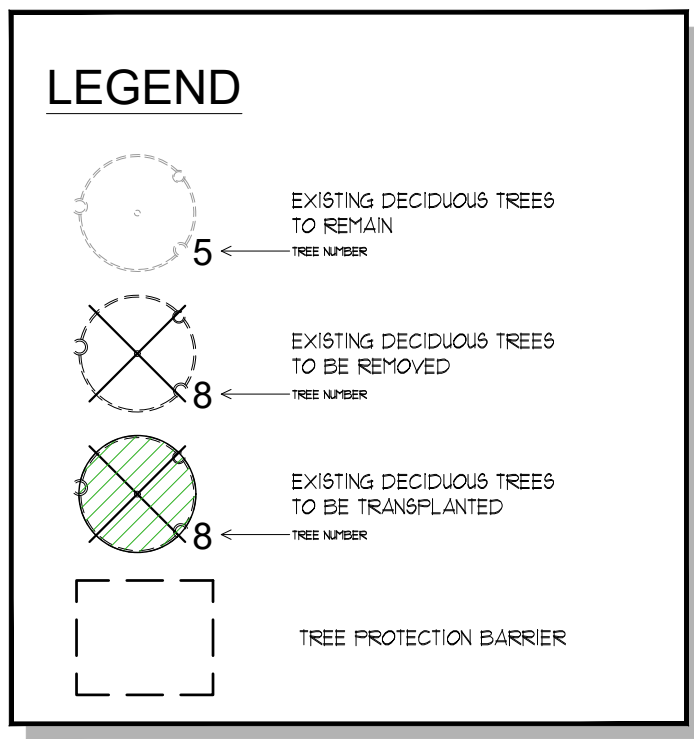
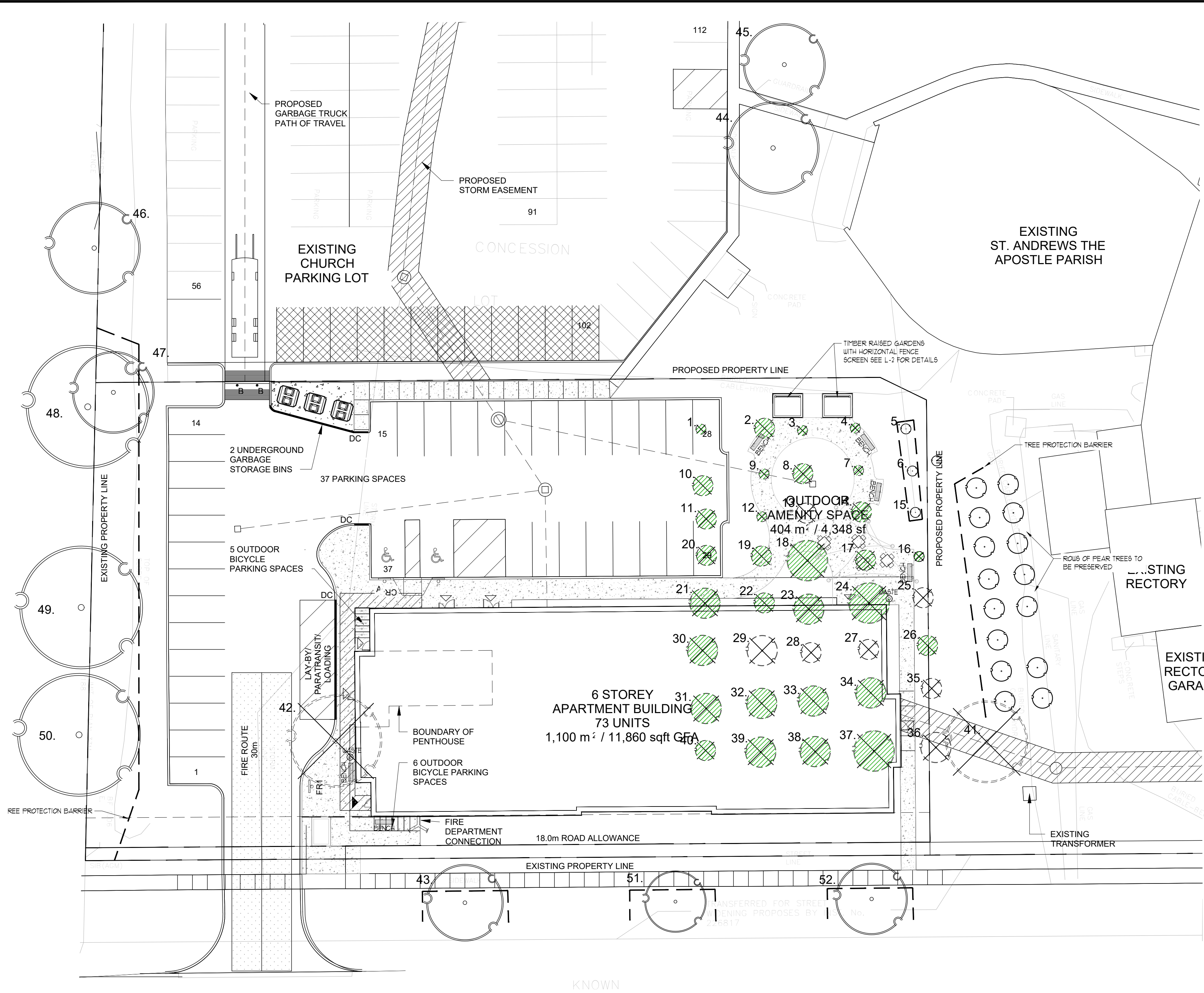
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Staff:

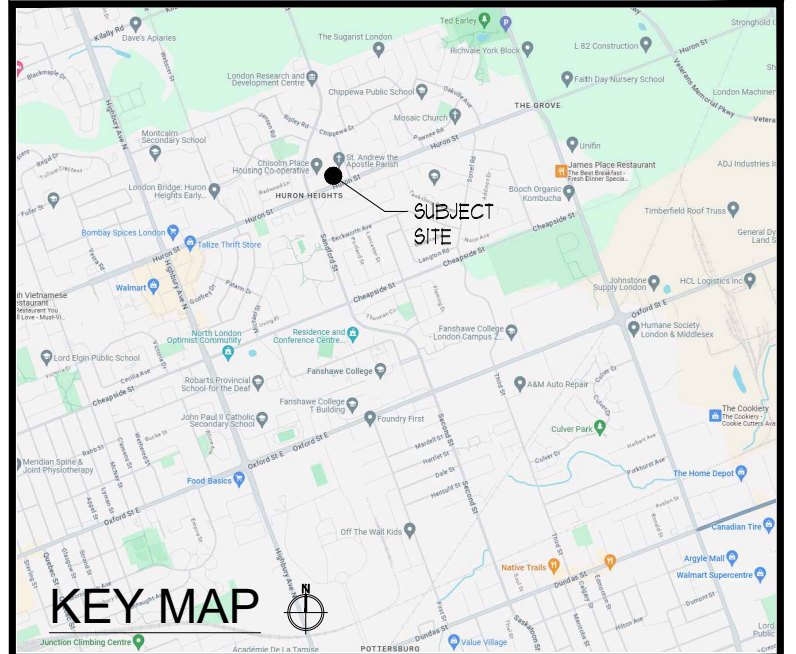
Field work and report author:

Kathleen Garrett, ISA Certified Arborist ON-3009A - katie@rkla.ca

9.0 APPENDIX A - TREE PRESERVATION DRAWINGS



- NOTES:**
- EXISTING TREES ARE TO BE PROTECTED FROM CONSTRUCTION BY THE INSTALLATION OF A 1800MM (4'-0") HIGH SNOW FENCE, HELD IN PLACE WITH 1800MM (6'-0") T-BAR. THE BARRIER IS TO BE INSTALLED PRIOR TO ANY CONSTRUCTION AND MUST REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED.
 - ALL SUPPORTS AND BRACING SHOULD BE INSIDE THE TREE PROTECTION ZONE. ALL SUCH SUPPORTS SHOULD MINIMIZE DAMAGING ROOTS IN THE TREE PROTECTION ZONE.
 - NO CONSTRUCTION ACTIVITY, GRADE CHANGES, SURFACE TREATMENT, OR EXCAVATION OF ANY KIND IS PERMITTED WITHIN THE TREE PROTECTION ZONE.
 - NO MOVEMENT OF EQUIPMENT, STORAGE OF BUILDING SUPPLIES, CLEANING OR EQUIPMENT, OR CHIPPING OF SOLVENTS, GASOLINE, ETC. MAY OCCUR WITHIN THIS FENCE LINE.
 - WHERE HIGH QUALITY SPECIMENS OCCUR ADJACENT TO AREAS SUBJECTED TO INTENSIVE CONSTRUCTION ACTIVITY, WOODEN CRIBBING SHOULD BE INSTALLED TO PROTECT TRUNKS FROM DAMAGE IN THE EVENT THAT HEAVY EQUIPMENT BREAKS DOWN THE SNOW FENCING. FENCE TO BE INSPECTED BY ENVIRONMENTAL CONSULTANT ON A REGULAR BASIS AND BE MAINTAINED BY THE SUBDIVIDER / BUILDER.
- TEMP. TREE PROTECTION BARRIER - N.T.S.**



RON KOUDDYS LANDSCAPE ARCHITECTS INC.

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Martha Berkens, O.A.L.A. C.S.L.A. DATE

TREE PRESERVATION PLAN
SCALE = 1:250

TREES TO BE PRESERVED												
ID #	GENERAL INFORMATION		SIZE	HEALTH & CONDITION			RECOMMENDATIONS					
	BOTANICAL NAME	COMMON NAME		LOCATION	COMMENTS	EXPECTED CONSTRUCTION IMPACTS	RESERVE / REMOVE / TRANSPLANT	IMPACT MITIGATION / REMOVAL RATIONALE				
43	<i>Quercus robur</i>	English Oak	City ROW Huron Street	42	35	5	Good	Good	no conflict	preserve	N/A	
44	<i>Acer saccharum</i>	Silver Maple	1 Fallos Lane	52	45	5	Fair	Good	no conflict	preserve	N/A	
45	<i>Acer sp.</i>	Maple	1 Fallos Lane	50	4	405	Fair	Good	Minor inclusive bark	preserve	N/A	
46	<i>Acer sp.</i>	Manitoba Maple	190 Sandford Street	-35, 30	45	5	Poor	Fair	Multi-stem 2, primary union at grade, dead stem protruding in the middle of primary union	no conflict	preserve	N/A
47	<i>Amelanchier canadensis</i>	Horse-Christ	1 Fallos Lane	42	4	5	Fair	Good	Suppressed by 48, low primary union, canopy heavy east	no conflict	preserve	Tree protected on barrier
48	<i>Acer saccharum</i>	Silver Maple	190 Sandford Street	-45	6	5	Good	Good	lower 15 meters of trunk not visible due to wood fence	no conflict	preserve	Tree protected on barrier
49	<i>Acer saccharum</i>	Silver Maple	190 Sandford Street	-40	6	5	Good	Good	lower 15 meters of trunk not visible due to wood fence	no conflict	preserve	Tree protected on barrier
50	<i>Acer saccharum</i>	Silver Maple	190 Sandford Street	-40	6	5	Good	Good	lower 15 meters of trunk not visible due to wood fence	no conflict	preserve	Tree protected on barrier
51	<i>Acer saccharum</i>	Sugar Maple	City ROW Huron Street	24	3	5	Good	Good	Slight lean east	no conflict	preserve	N/A
52	<i>Quercus robur</i>	English Oak	City ROW Huron Street	34	35	5	Good	Good	no conflict	preserve	N/A	

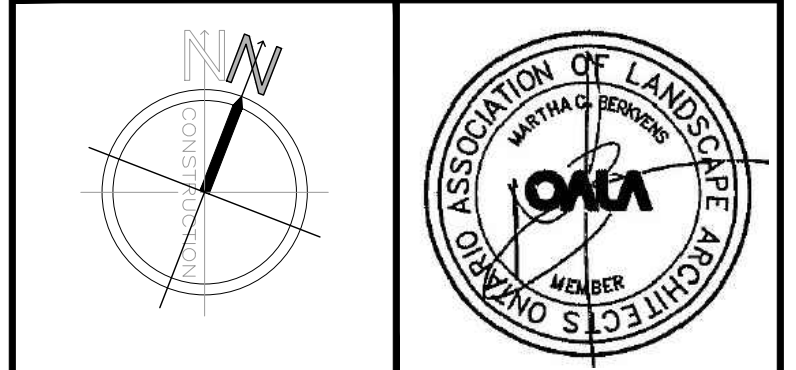
TREES TO BE REMOVED												
ID #	GENERAL INFORMATION		SIZE	HEALTH & CONDITION			RECOMMENDATIONS					
	BOTANICAL NAME	COMMON NAME		LOCATION	COMMENTS	EXPECTED CONSTRUCTION IMPACTS	RESERVE / REMOVE / TRANSPLANT	IMPACT MITIGATION / REMOVAL RATIONALE				
8	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	6	1	5	Fair	Good	Crack on west side of trunk, basal damage	potential conflict with amenity space	remove	remove due to tree condition
25	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallos Lane	5	1	5	Fair	Good	Branch needs to be pruned at primary union	conflict with proposed sidewalk	remove	remove due to tree condition & building footprint
27	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	8	1	5	Fair	Good	Branch needs to be pruned at primary union	conflict with proposed building	remove	remove due to tree condition & building footprint
28	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	11	1	5	Poor	Good	Major crack on west side healing	conflict with proposed building	remove	remove due to tree condition & building footprint
29	<i>Rubus acerola</i>	London Plane Tree	1 Fallos Lane	9	15	5	Poor	Good	low primary union, no central leader	conflict with proposed building	remove	remove due to tree condition & building footprint
35	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallos Lane	7	1	5	Good	Good	no conflict	conflict with proposed site services	remove	remove due to building footprint & site services
36	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	8	15	5	Good	Good	review grading at time of SPA	no conflict	remove	remove due to building footprint & site services
41	<i>Morus alba</i>	White Mulberry	1 Fallos Lane	44	3	5	Poor	Fair	Branches fused	no conflict	remove	remove due to building footprint & site services
42	<i>Acer saccharum</i>	Silver Maple	1 Fallos Lane	45	45	5	Fair	Good	no conflict	conflict with proposed building	remove	remove due to building footprint & site services

TREES TO BE POTENTIALLY TRANSPLANTED
(TO BE REVIEWED AT TIME OF SPA AND CONFIRMED BY OWNER)

ID #	GENERAL INFORMATION		SIZE	HEALTH & CONDITION			RECOMMENDATIONS					
	BOTANICAL NAME	COMMON NAME		LOCATION	COMMENTS	EXPECTED CONSTRUCTION IMPACTS	RESERVE / REMOVE / TRANSPLANT	IMPACT MITIGATION / REMOVAL RATIONALE				
1	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	6	05	5	Good	Good	Healing crack on west side of trunk	potential conflict with amenity space	transplant	conflict with proposed parking
2	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	8	1	5	Fair	Good	Healing crack on west side of trunk	potential conflict with amenity space	transplant	potential conflict with amenity space
3	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallos Lane	4	05	5	Fair	Good	Minor basal damage, slight crooked trunk	potential conflict with amenity space	transplant	potential conflict with amenity space
4	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	7	05	5	Good	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
5	<i>Cercis canadensis</i>	Eastern Redbud	1 Fallos Lane	6	05	5	Good	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
6	<i>Cercis canadensis</i>	Eastern Redbud	1 Fallos Lane	3	05	5	Good	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
7	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallos Lane	4	05	5	Excellent	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
8	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	7	1	5	Fair	Good	Slight crack on west side of trunk	potential conflict with amenity space	transplant	potential conflict with amenity space
9	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallos Lane	3	05	5	Fair	Good	Slight crack on west side of trunk, crooked trunk	potential conflict with amenity space	transplant	potential conflict with amenity space
10	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	7	1	5	Fair	Good	Healing crack on west side of trunk	conflict with proposed parking	transplant	conflict with proposed parking
11	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	8	1	5	Fair	Good	Healing crack on west side of trunk	conflict with proposed parking	transplant	conflict with proposed parking
12	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallos Lane	5	05	5	Good	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
14	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	8	1	5	Fair	Good	Narrow primary union	potential conflict with amenity space	transplant	potential conflict with amenity space
15	<i>Betula sp.</i>	Birch	1 Fallos Lane	2	05	5	Good	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
16	<i>Betula sp.</i>	Birch	1 Fallos Lane	5	05	5	Good	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
17	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	8	1	5	Fair	Good	Minor basal damage	potential conflict with amenity space	transplant	potential conflict with amenity space
18	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	10	2	5	Fair	Good	Healing cracks west side of trunk	potential conflict with amenity space	transplant	potential conflict with amenity space
19	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	5	1	5	Fair	Good	Minor basal damage	potential conflict with amenity space	transplant	potential conflict with amenity space
20	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallos Lane	5	1	5	Good	Good	no conflict	conflict with proposed parking	transplant	conflict with proposed parking
21	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	8	15	5	Fair	Good	Minor basal damage	potential conflict with amenity space	transplant	potential conflict with amenity space
22	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	5	1	5	Fair	Good	Minor basal damage	potential conflict with amenity space	transplant	potential conflict with amenity space
23	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	8	15	5	Good	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
24	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	12	2	5	Good	Good	no conflict	potential conflict with amenity space	transplant	potential conflict with amenity space
26	<i>Liriodendron tulipifera</i>	Tulip Tree	1 Fallos Lane	7	1	5	Good	Good	no conflict	conflict with proposed sidewalk	transplant	conflict with proposed sidewalk
30	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	8	15	5	Fair	Good	no conflict	conflict with proposed building	transplant	conflict with proposed building
31	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	9	15	5	Good	Good	no conflict	conflict with proposed building	transplant	conflict with proposed building
32	<i>Acer saccharum</i>	Sugar Maple	1 Fallos Lane	8	15	5	Good	Good	no conflict	conflict with proposed building	transplant	conflict with proposed building
33	<i>Platanus acerifolia</i>	London Plane Tree	1 Fallos Lane	9	15	5	Good	Good	no conflict	conflict with proposed building	transplant	conflict with proposed building
34	<i>Cercis canadensis</i>	Eastern Redbud	1 Fallos Lane	8	15	5	Good	Good	no conflict	conflict with proposed building	transplant	conflict with proposed building
37	<i>Betula sp.</i>	Birch	1 Fallos Lane	9	25	5	Good	Good	Slight lean east	conflict with proposed building	transplant	conflict with proposed building
38	<i>Cercis canadensis</i>	Eastern Redbud	1 Fallos Lane	8	15	5	Fair	Good	Minor basal wound	conflict with proposed building	transplant	conflict with proposed building
39	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	7	15	5	Good	Good	no conflict	conflict with proposed building	transplant	conflict with proposed building
40	<i>Acer rubrum</i>	Red Maple	1 Fallos Lane	6	1	5	Fair	Good	Branch needs to be pruned at primary union	conflict with proposed building	transplant	conflict with proposed building

2024-04-11	ISSUED FOR ZBA	2.
2024-07-25	ISSUED FOR REVIEW	L
DATE	DESCRIPTION	No.

PLOTTING INFORMATION:
PLOTTED DATE: 2024-04-11
PLOTTED SCALE: 1:1



PROJECT TITLE:
SOCIETY OF ST. VINCENT DE PAUL HOUSING INITIATIVE
HURON ST
LONDON, ONTARIO

TREE PRESERVATION PLAN

DATE: JANUARY 2024	SCALE: AS NOTED	DRAWING No.:
DRAWN: RKL/A Inc.	CHECKED BY: M.C.B.	T-1
PROJECT No.:	23-251Ld	