



TREE PRESERVATION REPORT FOR ZONING BY-LAW AMENDMENT

**1458 HURON STREET,
LONDON, ONTARIO**

Report prepared by
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RKLA Project #23-247



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1.0 INTRODUCTION AND EXECUTIVE SUMMARY

1.1 INTRODUCTION

Ron Koudys Landscape Architects Inc. (RKLA) was retained by the developer to prepare a tree assessment report in conjunction with the proposed development 1458 Huron Street, London. 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 38 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. The subject site is NOT within or immediately adjacent to a City of London Tree Protection Area.

1.2.1 TREE SPECIES COMPOSITION CHART

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

%	Qty.	Botanical Name	Common Name
13%	5	<i>Acer platanoides</i>	Norway Maple
11%	4	<i>Morus alba</i>	White Mulberry
11%	4	<i>Prunus spp.</i>	Cherry
11%	4	<i>Tilia spp.</i>	Linden
8%	3	<i>Acer negundo</i>	Manitoba Maple
8%	3	<i>Acer saccharum</i>	Sugar Maple
8%	3	<i>Juglans nigra</i>	Black Walnut
8%	3	<i>Malus spp.</i>	Apple
5%	2	<i>Gleditsia triacanthos</i>	Honey Locust
3%	1	<i>Acer rubrum</i>	Red Maple
3%	1	<i>Acer spp.</i>	Maple
3%	1	<i>Celtis occidentalis</i>	Hackberry
3%	1	<i>Picea abies</i>	Norway Spruce
3%	1	<i>Picea pungens</i>	Colorado Spruce
3%	1	<i>Thuja spp.</i>	Cedar
3%	1	<i>Tilia cordata</i>	Little Leaf Linden
100%	38		

1.2.2 TREE REMOVAL AND PRESERVATION RECOMMENDATIONS

- Removal of 26 trees from the subject site due to tree condition and/or direct conflict with proposed construction.
- Removal of 1 tree from the boundary of 1242 Basswood Road and the subject site (tree #28). Tree removal consent required from 1242 Basswood Road at the time of SPA.
- Removal of 1 tree from the boundary of 1238 Basswood Road and the subject site (tree #26). Tree removal consent required from 1238 Basswood Road at the time of SPA.

- 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 1458 Huron Street and includes 39 Redwood Lane. There is one existing dwelling located on the site. The trees are generally located around the perimeter of the property.

Refer to Figure 1 for scope of tree inventory.



Figure 1 - City of London mapping with 2023 aerial imagery. NTS

Red dashed line - Limit of inventory

3.0 METHODOLOGY

Field work was completed on February 2nd, 2024 by RKLA staff member Kathleen Garrett, ISA certified arborist ON 3009A. A topographic survey provided by MTE dated January 8th, 2023 was used as a base for the field work and determined tree location/ownership. All trees with a minimum DBH of 10cm within the given scope were identified and assessed. Any tree that was not located on the topographic survey was located based on approximate field measurements. Each tree was assigned a number which are identified in the tree data table and on the tree preservation plan. Tree identification numbers include 1-38

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.

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. 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 OR REMOVE	IMPACT MITIGATION / CONSENT REQUIREMENTS
1	<i>Juglans nigra</i>	Black Walnut	City ROW Huron Street	60	5.5	5	Good	Good		N/A	preserve	N/A
2	<i>Acer platanoides</i>	Norway Maple	Subject Site - 1458 Huron Street	56	6	5	Fair	Fair	Prune wounds, cavities forming	conflict with construction and tree condition	remove	
3	<i>Acer platanoides</i>	Norway Maple	Subject Site - 1458 Huron Street	61	6	5	Fair	Poor	Exposed roots, circling roots, prune wounds, hydro wire through canopy	conflict with construction and tree condition	remove	
4	<i>Acer platanoides</i>	Norway Maple	Subject Site - 1458 Huron Street	50	6	4	Fair	Fair	Prune wounds epicormic growth circling roots	conflict with construction and tree condition	remove	
5	<i>Morus alba</i>	White Mulberry	Subject Site - 1458 Huron Street	12, 12, 10, 8, 6, 4	2	5	Fair	Poor	Multistem 6	conflict with construction and tree condition	remove	
6	<i>Acer negundo</i>	Manitoba Maple	1335 Basswood Place	30	3	5	Fair	Fair	Significant lean, lower portion not visible due to wood fence	N/A	preserve	existing wood fence to act as tree protection barrier
7	<i>Malus</i> spp.	Apple	Subject Site - 1458 Huron Street	14	2	5	Good	Fair		direct conflict with proposed construction	remove	
8	<i>Morus alba</i>	White Mulberry	Subject Site - 1458 Huron Street	10	1.5	5	Good	Good		potential conflict with proposed grading	preserve	tree protection barrier
9	<i>Morus alba</i>	White Mulberry	Subject Site - 1458 Huron Street	10	1.5	5	Fair	Poor	Grown in shrub	direct conflict with proposed construction	remove	

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 OR REMOVE	IMPACT MITIGATION / CONSENT REQUIREMENTS
10	<i>Juglans nigra</i>	Black Walnut	Subject Site - 1458 Huron Street	11	2	5	Fair	Good		potential conflict with proposed grading	preserve	tree protection barrier
11	<i>Acer negundo</i>	Manitoba Maple	Subject Site - 1458 Huron Street	18	2	5	Fair	Poor	Major epic growth	direct conflict with proposed construction	remove	
12	<i>Morus alba</i>	White Mulberry	Boundary - Subject site & 1335 Basswood Place	14, 14, 12, 5	2.5	4	Fair	Poor	Multistem 4, fence grown, epicormic growth	potential conflict with proposed grading	preserve	tree protection barrier
13	<i>Celtis occidentalis</i>	Hackberry	Subject Site - 1458 Huron Street	61	8	1	Good	Good		direct conflict with proposed construction	remove	
14	<i>Acer platanoides</i>	Norway Maple	1331 Basswood Place	-40	4	5	Fair	Fair	Low primary union, lower half not visible due to wood fence	minor impact to critical root zone	preserve	existing wood fence to act as tree protection barrier
15	<i>Acer platanoides</i>	Norway Maple	1331 Basswood Place	-35	3	5	Fair	Good	Lower half not visible due to wood fence	minor impact to critical root zone	preserve	existing wood fence to act as tree protection barrier
16	<i>Tilia</i> spp.	Linden	1331 Basswood Place	-35	3	5	Good	Good	Lower half not visible due to wood fence	N/A	preserve	existing wood fence to act as tree protection barrier
17	<i>Gleditsia triacanthos</i>	Honey Locust	Subject Site - 1458 Huron Street	28	2.5	5	Fair	Good		direct conflict with proposed construction	remove	
18	<i>Malus</i> spp.	Apple	Subject Site - 1458 Huron Street	15, 13, 12, 11, 10, 10	3	4	Poor	Poor	Multistem 6, shrubby habit, old stems removed, major epicormic growth	direct conflict with proposed construction	remove	
19	<i>Thuja</i> spp.	Cedar	Subject Site - 1458 Huron Street	8, 5, 5	1.5	5	Fair	Good	Multistem 3	direct conflict with proposed construction	remove	
20	<i>Prunus</i> spp.	Cherry	Subject Site - 1458 Huron Street	15	2	5	Fair	Poor	Epicormic growth	direct conflict with proposed construction	remove	
21	<i>Prunus</i> spp.	Cherry	Subject Site - 39 Redwood Lane	20, 19, 18, 17, 15, 14, 12	4	3	Poor	Fair	Multistem 7, primary union at grade, leaning on existing wood fence	direct conflict with proposed construction	remove	

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 OR REMOVE	IMPACT MITIGATION / CONSENT REQUIREMENTS
22	<i>Prunus</i> spp.	Cherry	Subject Site - 39 Redwood Lane	15, 13, 7	1.5	5	Poor	Fair	Multistem 3, primary union at grade	direct conflict with proposed construction	remove	
23	<i>Prunus</i> spp.	Cherry	Subject Site - 39 Redwood Lane	15	2	5	Fair	Good	Slight lean	direct conflict with proposed construction	remove	
24	<i>Acer saccharum</i>	Sugar Maple	Subject Site - 1458 Huron Street	54	6	5	Good	Good		direct conflict with proposed construction	remove	
25	<i>Acer saccharum</i>	Sugar Maple	Subject Site - 1458 Huron Street	58	7	5	Fair	Good	Old prune wounds	direct conflict with proposed construction	remove	
26	<i>Gleditsia triacanthos</i>	Thorny Locust	Boundary 1458 Huron Street & 1238 Basswood Road	57	6	4	Fair	Fair	Old stem dead, epicormic growth, codominant stems approx. 3 meters up trunk, trunk growing into new wood fence	direct conflict with proposed construction	remove	Consent from 1238 Basswood Road required for removal
27	<i>Acer negundo</i>	Manitoba Maple	Subject Site - 1458 Huron Street	17	3	4	Good	Good		direct conflict with proposed construction	remove	
28	<i>Acer saccharum</i>	Sugar Maple	Boundary 1458 Huron Street & 1242 Basswood Road	68	8	5	Fair	Good	Trunk grown through fence (dbh crosses property boundary, considered a boundary tree)	direct conflict with proposed construction	remove	Consent from 1242 Basswood Road required for removal
29	<i>Juglans nigra</i>	Black Walnut	Boundary 1458 Huron Street & 1242 Basswood Road	31	3	5	Fair	Good		potential conflict with proposed grading	preserve	tree protection barrier
30	<i>Tilia</i> spp.	Linden	Subject Site - 1458 Huron Street	14	2	5	Good	Good		direct conflict with proposed construction	remove	
31	<i>Tilia</i> spp.	Linden	Subject Site - 1458 Huron Street	24	2.5	5	Good	Good		direct conflict with proposed construction	remove	
32	<i>Tilia</i> spp.	Linden	Subject Site - 1458 Huron Street	27	2.5	5	Good	Good		direct conflict with proposed construction	remove	

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 OR REMOVE	IMPACT MITIGATION / CONSENT REQUIREMENTS
33	<i>Acer rubrum</i>	Red Maple	Subject Site - 39 Redwood Lane	5	1	5	Good	Good		direct conflict with proposed construction	remove	
34	<i>Tilia cordata</i>	Little Leaf Linden	Subject Site - 39 Redwood Lane	25	3	5	Good	Good		N/A	preserve	tree protection barrier
35	<i>Picea pungens</i>	Colorado Spruce	Subject Site - 39 Redwood Lane	34	3.5	5	Good	Good	Branched to grade	direct conflict with proposed construction	remove	
36	<i>Acer spp</i>	Maple	Subject Site - 39 Redwood Lane	17	2	4	Fair	Fair	Major trunk wound, epicormic growth	direct conflict with proposed construction	remove	
37	<i>Malus spp</i>	Apple	Subject Site - 39 Redwood Lane	16	2	5	Fair	Fair	Major trunk epicormic growth at base	direct conflict with proposed construction	remove	
38	<i>Picea abies</i>	Norway Spruce	35 Redwood Lane	- 35	4	5	Good	Good	Lower half not visible due to wood fence	potential for removal to be reviewed with civil plans at the time of SPA	review	

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 GFFGF

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.

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

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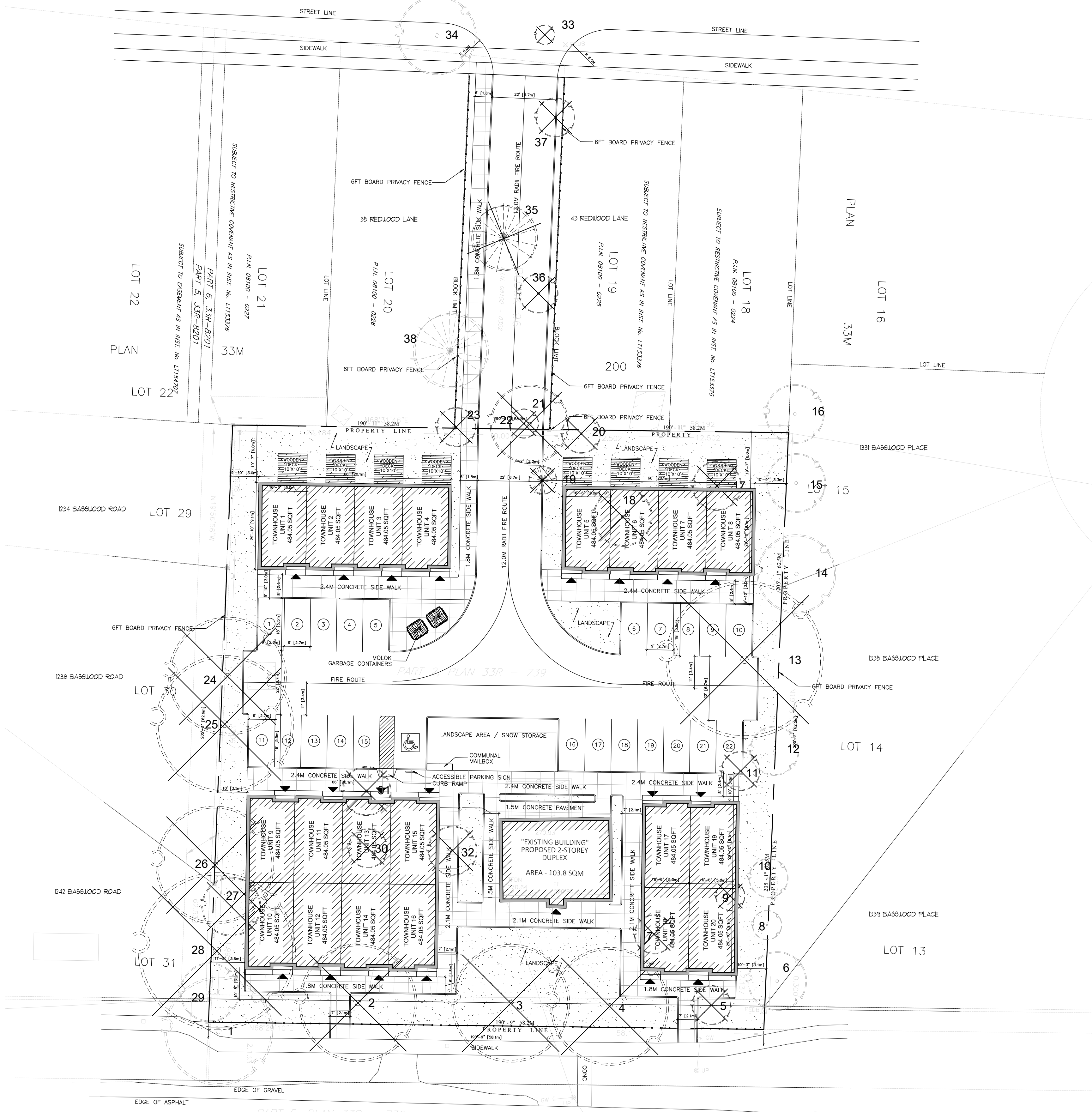
Staff:

Field work and report author:

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

9.0 APPENDIX A - TREE PRESERVATION DRAWINGS

REDWOOD LANE



HURON STREET

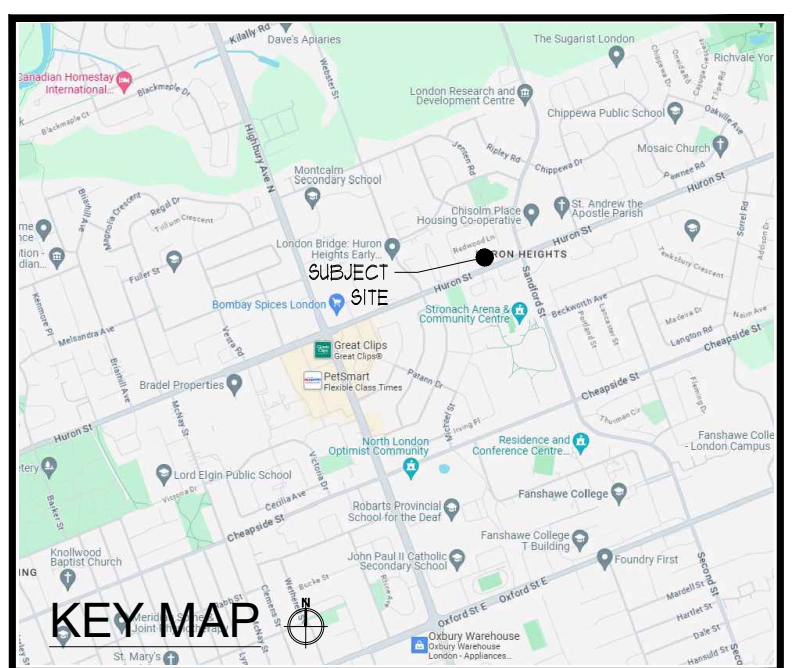
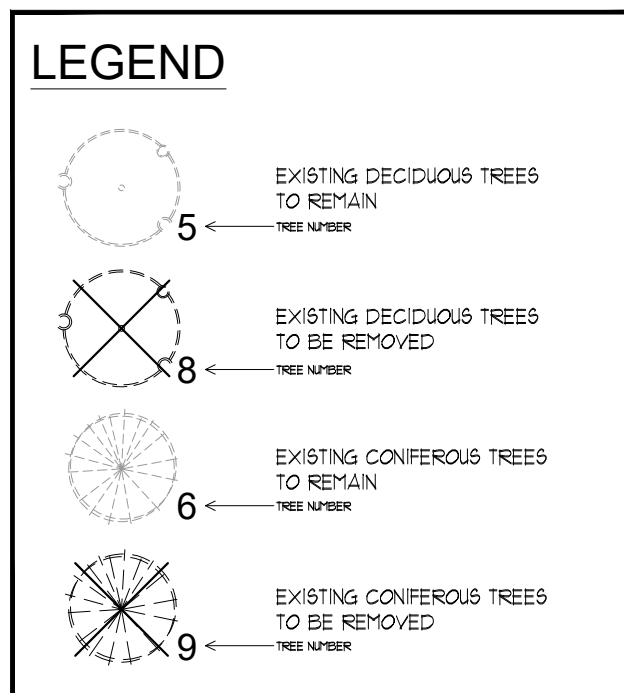
TREE PRESERVATION PLAN
SCALE = 1:250

TREES TO BE REMOVED (27)

ID #	GENERAL INFORMATION			SIZE		HEALTH & CONDITION		RECOMMENDATIONS				
	BOTANICAL NAME	COMMON NAME	LOCATION	DBH (cm)	CANOPY RADIUS (m)	DOWN CONDITION	STRUCTURAL FORM	STRUCTURAL INTEGRITY	COMMENTS	EXPECTED CONSTRUCTION IMPACTS	PRESERVE OR REMOVE	IMPACT MITIGATION / CONSENT REQUIREMENTS
2	<i>Acer platanoides</i>	Norway Maple	Subject Site - 1458 Huron Street	56	6	5	Fair	Fair	Prune wounds, cavities forming	conflict with construction and tree condition	remove	
3	<i>Acer platanoides</i>	Norway Maple	Subject Site - 1458 Huron Street	61	6	5	Fair	Poor	Exposed roots, circling roots, prune wounds, hydris wire through canopy	conflict with construction and tree condition	remove	
4	<i>Acer platanoides</i>	Norway Maple	Subject Site - 1458 Huron Street	50	6	4	Fair	Fair	Prune wounds epicormic growth circling roots	conflict with construction and tree condition	remove	
5	<i>Morus alba</i>	White Mulberry	Subject Site - 1458 Huron Street	12, 12, 10, 8, 6, 4	2	5	Fair	Poor	Multistem 6	conflict with construction and tree condition	remove	
7	<i>Malus spp.</i>	Apple	Subject Site - 1458 Huron Street	14	2	5	Good	Fair		direct conflict with proposed construction	remove	
9	<i>Morus alba</i>	White Mulberry	Subject Site - 1458 Huron Street	10	1.5	5	Fair	Poor	Grown in shrub	direct conflict with proposed construction	remove	
11	<i>Acer negundo</i>	Manitoba Maple	Subject Site - 1458 Huron Street	18	2	5	Fair	Poor	Major epic growth	direct conflict with proposed construction	remove	
13	<i>Celtis occidentalis</i>	Hackberry	Subject Site - 1458 Huron Street	61	8	1	Good	Good		direct conflict with proposed construction	remove	
17	<i>Geothlas inaequalis</i>	Honey Locust	Subject Site - 1458 Huron Street	28	2.5	5	Fair	Good		direct conflict with proposed construction	remove	
18	<i>Malus spp.</i>	Apple	Subject Site - 1458 Huron Street	15, 12, 12, 11, 10, 10	3	4	Poor	Poor	Multistem 6, shrubby habit, old stems embedded, major epicormic growth	direct conflict with proposed construction	remove	
19	<i>Thuja spp.</i>	Cedar	Subject Site - 1458 Huron Street	8, 5, 5	1.5	5	Fair	Good	Multistem 3	direct conflict with proposed construction	remove	
20	<i>Prunus spp.</i>	Cherry	Subject Site - 1458 Huron Street	15	2	5	Fair	Poor	Epicormic growth	direct conflict with proposed construction	remove	
21	<i>Prunus spp.</i>	Cherry	Subject Site - 39 Redwood Lane	20, 19, 18, 17, 15, 14, 12	4	3	Poor	Fair	Multistem 7, primary union at grade, leaning on existing wood fence	direct conflict with proposed construction	remove	
22	<i>Prunus spp.</i>	Cherry	Subject Site - 39 Redwood Lane	15, 13, 7	1.5	5	Poor	Fair	Multistem 3, primary union at grade	direct conflict with proposed construction	remove	
23	<i>Prunus spp.</i>	Cherry	Subject Site - 39 Redwood Lane	15	2	5	Fair	Good	Slight lean	direct conflict with proposed construction	remove	
24	<i>Acer saccharum</i>	Sugar Maple	Subject Site - 1458 Huron Street	54	6	5	Good	Good		direct conflict with proposed construction	remove	
25	<i>Acer saccharum</i>	Sugar Maple	Subject Site - 1458 Huron Street	58	7	5	Fair	Good	Old prune wounds	direct conflict with proposed construction	remove	
26	<i>Geothlas inaequalis</i>	Thorny Locust	Boundary 1458 Huron Street & 1238 Basswood Road	57	6	4	Fair	Fair	Old stem dead, epicormic growth, codominant stems approx. 3meters up trunk, trunk growing into new wood fence	direct conflict with proposed construction	remove	Consent from 1238 Basswood Road required for removal
27	<i>Acer negundo</i>	Manitoba Maple	Subject Site - 1458 Huron Street	17	3	4	Good	Good		direct conflict with proposed construction	remove	
28	<i>Acer saccharum</i>	Sugar Maple	Boundary 1458 Huron Street & 1242 Basswood Road	68	8	5	Fair	Good	Trunk grown through fence (dbh crosses property boundary, considered a boundary tree)	direct conflict with proposed construction	remove	Consent from 1242 Basswood Road required for removal
30	<i>Tilia spp.</i>	Linden	Subject Site - 1458 Huron Street	14	2	5	Good	Good		direct conflict with proposed construction	remove	
31	<i>Tilia spp.</i>	Linden	Subject Site - 1458 Huron Street	24	2.5	5	Good	Good		direct conflict with proposed construction	remove	
32	<i>Tilia spp.</i>	Linden	Subject Site - 1458 Huron Street	27	2.5	5	Good	Good		direct conflict with proposed construction	remove	
33	<i>Acer rubrum</i>	Red Maple	Subject Site - 39 Redwood Lane	5	1	5	Good	Good		direct conflict with proposed construction	remove	
35	<i>Picea pungens</i>	Colorado Spruce	Subject Site - 39 Redwood Lane	34	3.5	5	Good	Good	Branched to grade	direct conflict with proposed construction	remove	
36	<i>Acer spp.</i>	Maple	Subject Site - 39 Redwood Lane	17	2	4	Fair	Fair	Major trunk wound, epicormic growth	direct conflict with proposed construction	remove	
37	<i>Malus spp.</i>	Apple	Subject Site - 39 Redwood Lane	16	2	5	Fair	Fair	Major trunk epicormic growth at base	direct conflict with proposed construction	remove	

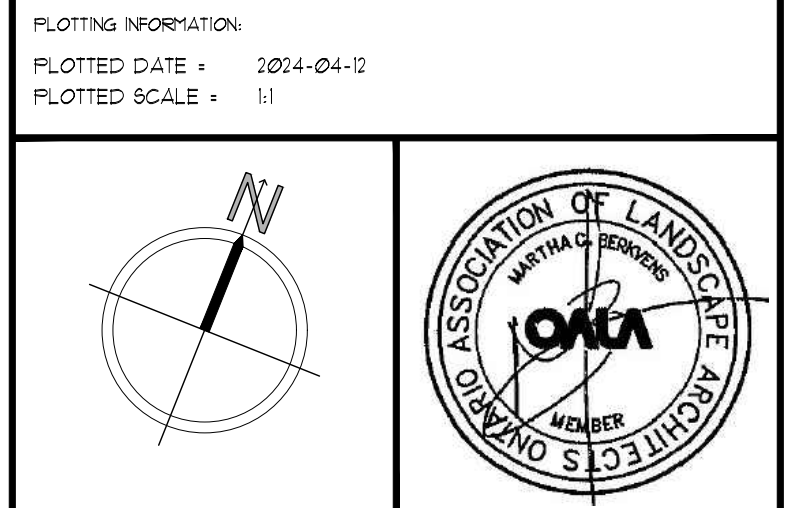
TREES TO BE PRESERVED (11)

ID #	GENERAL INFORMATION			SIZE		HEALTH & CONDITION		RECOMMENDATIONS				
	BOTANICAL NAME	COMMON NAME	LOCATION	DBH (cm)	CANOPY RADIUS (m)	DOWN CONDITION	STRUCTURAL FORM	STRUCTURAL INTEGRITY	COMMENTS	EXPECTED CONSTRUCTION IMPACTS	PRESERVE OR REMOVE	IMPACT MITIGATION / CONSENT REQUIREMENTS
1	<i>Juglans nigra</i>	Black Walnut	City ROW Huron Street	60	5.5	5	Good	Good		N/A	preserve	N/A
6	<i>Acer negundo</i>	Manitoba Maple	1335 Basswood Place	30	3	5	Fair	Fair	Significant lean, lower portion not visible due to wood fence	N/A	preserve	existing wood fence to act as tree protection barrier
8	<i>Morus alba</i>	White Mulberry	Subject Site - 1458 Huron Street	10	1.5	5	Good	Good		potential conflict with proposed grading	preserve	tree protection barrier
10	<i>Juglans nigra</i>	Black Walnut	Subject Site - 1458 Huron Street	11	2	5	Fair	Good		potential conflict with proposed grading	preserve	tree protection barrier
12	<i>Morus alba</i>	White Mulberry	Boundary - Subject site & 1335 Basswood Place	14, 14, 12, 5	2.5	4	Fair	Poor	Multistem 4, fence grown, epicormic growth	potential conflict with proposed grading	preserve	tree protection barrier
14	<i>Acer platanoides</i>	Norway Maple	1338 Basswood Place	40	4	5	Fair	Fair	Low primary union, lower half not visible due to wood fence	minor impact to critical root zone	preserve	existing wood fence to act as tree protection barrier
15	<i>Acer platanoides</i>	Norway Maple	1338 Basswood Place	35	3	5	Fair	Good	Lower half not visible due to wood fence	minor impact to critical root zone	preserve	existing wood fence to act as tree protection barrier
16	<i>Tilia spp.</i>	Linden	1338 Basswood Place	35	3	5	Good	Good	Lower half not visible due to wood fence	N/A	preserve	existing wood fence to act as tree protection barrier
29	<i>Juglans nigra</i>	Black Walnut	Boundary 1458 Huron Street & 1242 Basswood Road	31	3	5	Fair	Good		potential conflict with proposed grading	preserve	tree protection barrier
34	<i>Viburnum</i>	Little Leaf Linden	Subject Site - 39 Redwood Lane	25	3	5	Good	Good		N/A	preserve	tree protection barrier
38	<i>Picea abies</i>	Norway Spruce	35 Redwood Lane	35	4	5	Good	Good	Lower half not visible due to wood fence	potential for removal to be reviewed with civil plans at the time of SPA	review	



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Martha Berkvens, O.A.L.A. C.S.L.A.	DATE	
2024-04-12	ISSUED FOR ZBA	2.
2024-02-21	ISSUED FOR REVIEW	L
DATE	DESCRIPTION	No.



PROJECT TITLE:
PROPOSED TOWNHOUSES
1458 HURON STREET
LONDON, ONTARIO

DRAWING TITLE:
TREE PRESERVATION PLAN

DATE: JANUARY 2024	SCALE: AS NOTED	DRAWING No.:
DRAWN: RKL/A Inc.	CHECKED BY: M.C.B.	T-1
PROJECT No.:	23-247Ld	