

# 150 LYMAN STREET TREE INFORMATION REPORT

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Comité de dérogation



DATE: NOVEMBER 2, 2023

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## OTTAWA TREE REPORTS

SCOTT PETRIE

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## Introduction

Ottawa Tree Reports was retained by Shirin Roshanafshar to complete a Tree Information Report in support of a Minor Variance Application for the property located at 150 Lyman Street in Ottawa, Ontario.

The work plan for this Tree Information Report included the following:

- Prepare inventory of the tree resources on the subject property and within vicinity of impact on adjacent neighbouring property;
- Evaluate potential tree protection and preservation opportunities based on proposed site plans; and
- Document the findings in a Tree Information Report.

## Contact Information

### Owner Information:

Name: Shirin Roshanafshar  
Phone #: 613-229-9407  
Email: Shirinr@gmail.com

### Arborist Information:

Name: Scott Petrie  
Phone #: 613-204-8687  
Email: info@ottawatreereports.com

### Contractor Information:

Name:  
Phone #:  
Email:

## Policy Framework

The subject property is subject to the provisions of the City of Ottawa's Tree Protection By-law 2020-340. The purpose of this by-law is for the protection of municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa.

City of Ottawa tree protection requirements were applied during the Tree Information Report planning process. These protection requirements indicate a minimum distance at which the critical root zone (CRZ) must be protected.

The CRZ distances allow for maximum development potential while providing sufficient space to ensure the tree(s) are not subject to any long term adverse due to the impacts of development. In instances where the CRZ will be encroached upon and impacted, an Adjusted Tree Protection Zone (Adj TPZ) has been calculated based upon impacts to the CRZ; further mitigation measure may be required to ensure there are no adverse long-term impacts to the tree(s).

## Tree Information

Field assessments were conducted on November 1, 2023, the results of the assessment are provided in the Tree Information Table found in Appendix “A”.

## Tree Inventory and Assessment Methodology

All trees on the subject property and those that maybe impacted on adjacent properties were inventoried and assessed, with specific focus on trees that are protected and thus subject to the provisions of the City of Ottawa’s Tree Protection By-law 2020-340.

Tree inspections were limited to visual, on-ground examinations. No boring, probing, or sonic tomography was employed during the assessments. Any data and information collected is based on the conditions at the time of inspection.

## Subject Trees

A total of 2 trees were inventoried and assessed for the project, it was determined that only 1 protected tree (Tree 1) may be impacted by the excavation of the existing private approach. Please refer to the table below for the number of trees, number of impacted trees, and the distribution of protection status and type of impact.

**Table 1 – Tree Information Dashboard**

# of Trees Inventoried	# of Protected Trees	# Protected Tree Impacts	Protected Tree Removals		Protected Tree Injuries	
			# of City Trees	# of Private Trees	# of City Trees	# of Private Trees
2	2	1	0	0	1	0

## Impacted Trees

In total, 1 tree may be impacted by the proposed work, and it is protected under the City of Ottawa’s Tree Protection By-law 2020-340. Tree 1 has been identified for potential CRZ injury, based on its location and proximity to the proposed work, and the nature of impact to be incurred will be further discussed.

**Table 2 – Tree Impact Table**

Tree #	Species		DBH (cm)	Ownership	By-Law Protected	Condition (Poor/Fair/Good)			Arborist Rec
	Common	Botanical				Trunk	Canopy	Canopy	
						Integrity	Structure	Vigour	
1	Silver Maple	<i>Acer saccharinum</i>	60	City	Yes	F	P	F	Injure

**Tree 1** is a 60 cm Silver Maple *Acer saccharinum* that is completely located on City of Ottawa property approximately 3.2 m east of the private approach in front of 148 Lyman Street (see Figure 1). This tree has a critical root zone (CRZ) of 6.0 m and the CRZ of this tree potentially extends under the existing private approach surface by approximately 2.8 m. Excavation will be required to remove the existing

asphalt surface; if roots have protruded under the existing private approach, they may be damaged, during this excavation. To limit the root damage (e.g., tearing) a preconstruction root grinding operation is recommended.

Considering Tree 1 is a City of Ottawa owned tree, it is recommended that the owner contact City of Ottawa Forestry Operations to perform a root pruning (grinding) operation on a line 3.1m from the base of the tree, parallel to the private approach surface, from the back of curb for approximately 7 m. This will cleanly sever all roots according to arboricultural best practices, and at this distance from the trunk flare that will not impact the trees static relevant zone or its stability. In discussion with the owner, the proposed redevelopment is scheduled to occur in late Spring 2024, therefore a late April or May 2024 root pruning operation is recommended; if the City’s Forestry Operations cannot meet this timeline, it is recommended the owner receive written authorization to perform the root grinding as prescribed, under the supervision of Ottawa Tree Reports.

### Tree Protection Details

Trees 1 and 2 are required to have tree protection measures installed as outlined in the City of Ottawa’s Tree Protection Specification in Appendix “B”. Tree protection measures are recommended to be installed prior to the commencement of the proposed works to ensure tree resources designated for retention and protection are not impacted by the development. The tree protection measures should be maintained throughout the duration of the proposed works until final grading and landscaping are complete, or as otherwise directed by City of Ottawa staff.

Unless otherwise indicated, tree protection shall be installed at the minimum extent of the CRZ.

Table 3 – Tree Protection Table

Tree #	Species		DBH (cm)	Ownership	By-Law Protected	Arborist Rec	CRZ (m)	CRZ Impacted	Rec Excavation Limit (m)	Adj TPZ (m)	Specification Rec	Notes
	Common	Botanical										
1	Silver Maple	<i>Acer saccharinum</i>	60	City	Yes	Injure	6	Yes	3.2	3.2	Snow fence	Root severing is recommended to occur parallel to the private approach surface, perpendicular to the back of curb to the property line. Any, and all roots that are exposed or damaged during excavation, shall be pruned in accordance with good arboricultural practices
2	Ivory Silk Tree Lilac	<i>Syringa reticulata</i> 'Ivory Silk'	6	City	Yes	Protect	0.6	No	NA	NA	Plywood	

**Tree 1** 60 cm Silver Maple *Acer saccharinum* that is completely located on City of Ottawa property in front of 148 Lyman Street. It is recommended that snow fence (in accordance to the City’s specification) be installed perpendicular from the back (means towards home) of curb along grass at the driveway edge, for 7 m. The tree will protection will act as a barrier to ensure construction related material are not stored on CRZ, nor are the roots subject to compaction. The Contractor should also ensure that exhaust fumes from all equipment must NOT be directed towards this trees canopy.

**Tree 2** is a 6 cm Ivory Silk Japanese Tree Lilac *Syringa reticulata* located on City property, this tree is located within the active construction area, it is recommended that plywood tree protection be installed at the limits of the canopy.

## Tree Compensation and Replanting

No trees are proposed to be removed with the associated works; therefore, Tree Compensation and Replanting is not required.

## Summary

Ottawa Tree Reports was retained by Shirin Roshanafshar to complete a Tree Information Report in support of a minor variance application for the development of a single detached home for the property located at 150 Lyman Street in Ottawa, Ontario.

The findings of the tree inventory indicate a total of 2 trees on the subject property or within vicinity of impact on neighbouring property, both trees shall be preserved and retained provided appropriate tree protection measures are implemented.

The following recommendations are suggested to minimize impacts to trees identified for protection. Refer to Tree Protection Drawing in Appendix "B" for additional tree preservation plan notes and the tree protection fence details.

- Tree protection barriers and fencing should be erected at locations prescribed on Tree Protection Drawing in accordance to the Tree Protection Specification in Appendix "B".
- Tree protection measures will have to be implemented prior to construction phase to ensure the trees identified for preservation and protection are not impacted by the development.
- Branches and roots that extend past prescribed critical root zone and/or adjusted tree protection zones that require pruning must be pruned by a qualified Arborist or other tree professional. All pruning of tree roots and branches must be in accordance with good arboricultural practices.
- Site visits, pre, during and post construction is recommended by Ottawa Tree Reports to ensure proper utilization of tree protection barriers.

Trees should also be inspected for damage incurred during construction to ensure appropriate corrective pruning or other mitigation measures are implemented.

Respectfully Submitted,

*Scott Petrie*

**Scott Petrie, Dip EMT, EDDM  
Ottawa Tree Reports**

**APPENDIX A**

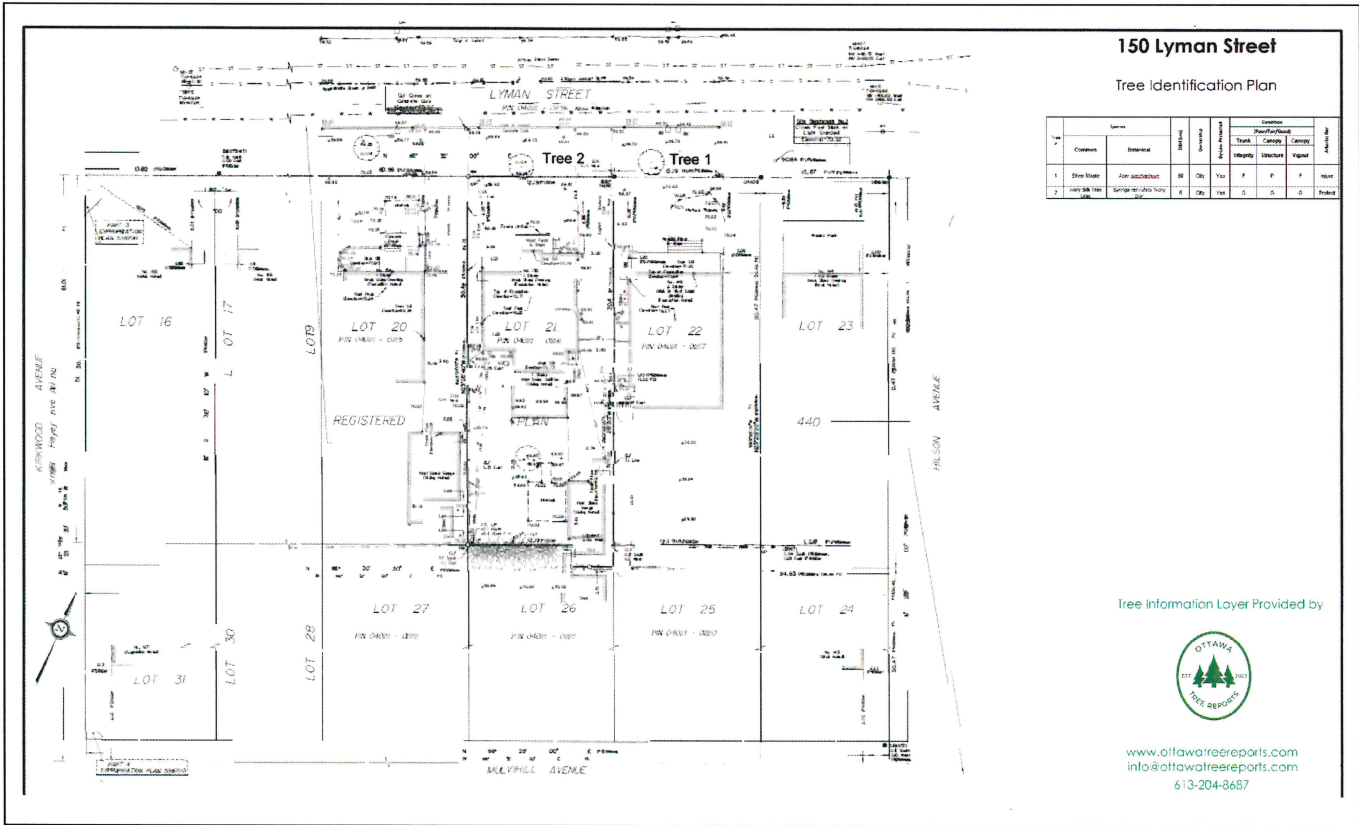
**Tree Information Table**

Table 6 – Tree Information Table

Tree #	Species		DBH (cm)	Ownership	By-Law Protected	Condition (Poor/Fair/Good)			Arborist Rec	Tree Planting Required	Planting #s	CRZ (m)	CRZ Impacted	Rec Excavation Limit (m)	Adj TPZ (m)	Specification Recommendations	Notes
	Common	Botanical				Trunk	Canopy	Canopy									
						Integrity	Structure	Vigour									
1	Silver Maple	<i>Acer saccharinum</i>	60	City	Yes	F	P	F	Injure	No	0	6	Yes	3.2	3.2	Snow fence	Injury to roots may occur during the removal of the existing private approach surface.
2	Ivory Silk Tree Lilac	<i>Syringa reticulata 'Ivory Silk'</i>	6	City	Yes	G	G	G	Protect	No	0	0.6	No	NA	NA	Plywood	



### Tree Identification Plan



#### 150 Lyman Street

#### Tree Identification Plan

Tree ID	Species		DBH (cm)	Height (m)	Health	Condition			Notes
	Common	Botanical				Trunk	Canopy	Roots	
1	Blue Maple	Acer glaberrimum	18	10	Y	F	F	F	None
2	White Birch	Betula papyrifera	4	3	Y	S	S	S	Protect

Tree Information Layer Provided by



www.ottawatreereports.com  
 info@ottawatreereports.com  
 613-204-8687

## APPENDIX B

### Tree Protection Specification

CRZ = DBH X 10CM. CRZ IS TO BE MEASURED FROM THE OUTSIDE EDGE OF THE TREE BASE.

TREE PROTECTION SIGNAGE AS PER CITY STANDARD.

1.2M MIN. HIGH TREE PROTECTION FENCING AS PER REQUIREMENT # 3.

POSTS TO BE SPACED AT 2.4M O/C MAX AS PER REQUIREMENT # 3.

SOIL AND ROOT DISTURBANCE NOT PERMITTED.

**TREE PROTECTION REQUIREMENTS:**

- PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10 X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
- UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
  - DO NOT PLACE ANY MATERIAL OR EQUIPMENT - INCLUDING OUTHOUSES;
  - DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
  - DO NOT RAISE OR LOWER THE EXISTING GRADE;
  - TUNNEL OR BORE WHEN DIGGING;
  - DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OR ANY TREE;
  - ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY;
  - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING.
- TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC - STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2"x4" WOOD FRAME) WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMISE DAMAGE TO EXISTING ROOTS. (SEE DETAIL)
- THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE INFORMATION REPORT, ETC). THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.
- IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.

THE CITY'S TREE PROTECTION BY-LAW, 2020-340 PROTECTS BOTH CITY-OWNED TREES, CITY-WIDE, AND PRIVATELY-OWNED TREES WITHIN THE URBAN AREA. PLEASE REFER TO [WWW.OTTAWA.CA/TREEBYLAW](http://WWW.OTTAWA.CA/TREEBYLAW) FOR MORE INFORMATION ON HOW THE TREE BY-LAW APPLIES.

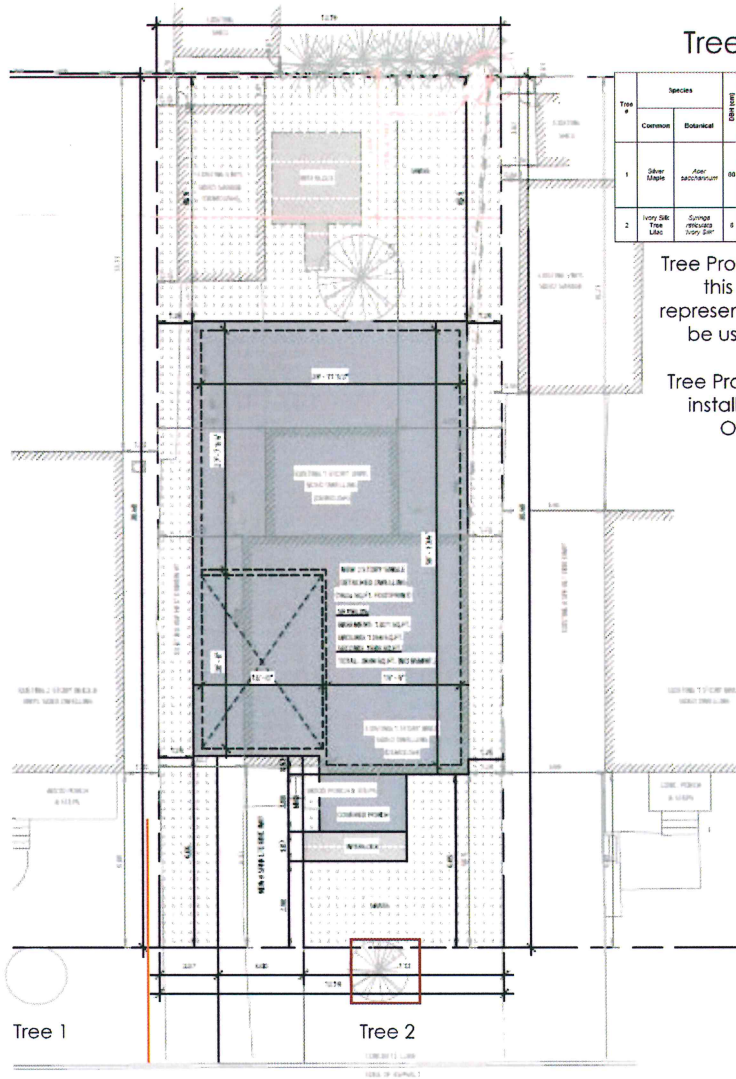
ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE. UPON REQUEST

	<p><b>TREE PROTECTION SPECIFICATION</b></p> <p>TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.</p>	<p>SCALE: NTS</p>
	<p>DATE: MARCH 2021</p>	
	<p>DRAWING NO.: 1 of 1</p>	

# Tree Protection Plan

## 150 Lyman Street

### Tree Protection Plan



Tree #	Species		DBH (cm)	Ownership	Site-Specific Protection	Arrested Root	CDB (m)	CDB Expansion	Basic Protection Limit	APR (m)	APR (ft)	Specialization Req.	Notes
	Common	Botanical											
1	Silver Maple	<i>Acer saccharinum</i>	65	City	Yes	Upper	6	Yes	3.2	3.2	NA	None	Root severing is recommended to occur parallel to the ground approach surface, perpendicular to the axis of curb to the property line. Any and all root cuts are required to be done during construction, shall be oriented in accordance with good arboricultural practices.
2	Ivory Silk Tree	<i>Campestris glabra Ivory Silk</i>	6	City	Yes	Pruned	6.6	No	NA	NA	NA	Provide	

Tree Protection Zones identified on this plan are for graphical representation only and should not be used for scaling purposes.

Tree Protection measures shall be installed according to City of Ottawa Specifications

- Snow fence
- Plywood

Tree 1

Tree 2

LYMAN STREET

Tree Information Layer Provided by



[www.ottawatree-reports.com](http://www.ottawatree-reports.com)  
[info@ottawatree-reports.com](mailto:info@ottawatree-reports.com)

613-204-8687



## Self-Declaration Statement

By signing this application declaration, the owner, arborist and contractor (if known at time of application) which confirms that all parties agree with the information provided and will respect the proposed work and mitigation measures (if required). Furthermore, the signature of the owner is also acknowledging and understanding that a City of Ottawa Forestry Staff may enter your property at a reasonable time for the purpose of carrying out an inspection. You also acknowledge and understand that failure to abide by the recommendations of the approved Tree Information Report, damaging or destructing trees identified for protection, you will be responsible to bear fully the cost of compensation, removal and replacement.

It is the owner/applicant's responsibility to ensure that all protection and mitigation measures described in the Tree Information Report are followed, and where necessary are done so under the supervision of an arborist.

## Owner/Applicant

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Print Name

Owner/Applicant

## Arborist

Scott Petrie	<i>Scott Petrie</i>
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Arborist

## Contractor

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Print Name