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April 8, 2025

Committee of Adjustment
Received | Reçu le

2025-05-02

City of Ottawa | Ville d'Ottawa
Comité de dérogation

RE: Tree Information Report for 1 Mount Pleasant Ave

This report details pre-construction tree information for the above noted property in Ottawa. The proposed work for this site consists of demolition of the existing home and rebuilding of a larger single-family home.

This report includes assessments of all the trees on the property, including boundary and adjacent trees that are greater than 10cm diameter at breast height (DBH).

Under the Tree Protection By-law, the following protected trees cannot be injured or removed without a tree permit from the City:

- All City-owned trees throughout the urban and rural area
- All trees 10 cm or more in diameter at breast height on private properties within the urban area that are subject to a Planning Act application for Site Plan, Plan of Subdivision, or Plan of Condominium
- All trees 10 cm or more in diameter at breast height on private properties within the urban area that are over 1 hectare in size
- All distinctive trees on private properties 1 hectare or less in size, where distinctive trees are defined as:
 - Trees measuring 30 cm or more in diameter at breast height within the inner urban area

The properties of these trees are noted in the table on pages 2.

The information for this report was gathered on February 26, 2025.

Tree	Species	Location	Ownership	CRZ (m)	DBH (cm)	DE (m)	Tree Condition	Reason for Removal	Arborist's opinion if removal
A	Cedar	Front right corner of house	City	1.6	6-16	1	Good	Not removing	Retain, install tree protection zone. As CRZ is within excavation, see pre-construction notes below.
B	White Spruce	Left side of house	1 Mount Pleasant Ave	4.2	42	1	Good	Tree will be unstable after construction if retained	Remove tree, close to excavation and plan proposed replacement trees there
C	Buckthorn	Backyard, left side	1 Mount Pleasant Ave	2.3	23	0	Good	Within footprint of construction plans	Remove tree, poor multi-stem structure, included bark union at 2 metres height
D	Red Maple	Front yard	625 Echo Dr	8	80	10	Good	Not removing	Retain, install tree protection zone

Key Definitions

CRZ (Critical Root Zone): is established as being 10cm from the trunk of a tree for every centimetre of trunk DBH.

The CRZ is calculated as DBH x 10cm. This provides direction for the location of the tree protection fencing.

DBH (Diameter at breast height): The measurement of a trunk of a tree at a height of 120cm.

DE (Distance to excavation): The measurement of the distance from the nearest edge of the tree's trunk to adjacent excavation limits.

Boundary Tree means a tree, of which any part of the trunk is growing across one or more property lines.

Adjacent Tree means a tree whose trunk is growing on a property sharing a boundary with the subject site.

Figure 1: Item B, White Spruce, requires a tree removal permit from the City of Ottawa



Provincial Regulations

As the arborist, we are responsible to abide by all Provincial Regulations such as the Endangered Species Act which mandates that tree species on the Species at Risk in Ontario list be identified. Butternut (*Juglans cinerea*) is found in Eastern Ontario and is listed as threatened. No protected species were identified on this or adjacent properties.

Impact of Development:

Trees B and C should be removed as they are close to or within the excavation area and will not be stable post-construction. Item A's CRZ is within excavation and could be impacted by the development as it is already in fair condition. The rope that is used to brace the tree should be monitored and adjusted as needed to avoid girdling and further decline.

Tree Protection Measures:

The Tree Protection By-law requires that anyone working near protected trees must adhere to the following unless otherwise authorized by the City:

- Erect a 1.2m high fence around the outer edge of the critical root zone (CRZ) of trees prior to beginning other site work, and maintain the fence until the work is complete
- Not place any material or equipment within the CRZ of the tree
- Not raise or lower the existing grade within the CRZ of a tree
- Not extend any hard surface or significantly change landscaping within the CRZ of a tree
- Not attach any signs, notices or posters to any tree, except as required by this by-law for trees to be removed
- Not damage the root system, trunk or branches of any tree
- Ensure that exhaust fumes from equipment are not directed toward any tree's canopy

It is an offence under the Tree Protection By-law to fail to adequately protect a tree that has not been approved for removal.

Pre-Construction Measures:

To retain any tree where excavation falls within the critical root zone, the best practice would be to use hydra excavation to expose any roots along the area where the excavation will be dug and then cut any roots visible with a pair of sterilized snips or a sharp saw before continuing to excavate. Where digging encounters roots, we suggest that cutting the roots is the preferred method to tearing roots by equipment. Limit construction equipment from the area as much as possible to prevent extra root compaction. If travel over the root zone is required a buffer of woodchips spread thick enough to stabilize a $\frac{3}{4}$ -inch sheet of plywood should be applied. Fertilizing in the spring and applying mulch post-construction is advised.

Post-Construction Measures:

Aerate and fertilize the retained trees if impacted by construction. Applying mulch post-construction is advised. Deadwood and weakly attached branches can be pruned out post-construction, but other pruning should be minimized, if possible, for a couple of years to allow the trees to recover.

Replacement Tree Planting or Compensation:

When tree removals cannot be avoided, and compensation planting is required it must be done post-construction and at final grade. Otherwise, the City will request monetary compensation if planting a new tree is not feasible after the construction has commenced.

Once construction is completed and the property is at final grade, the property owner will replant 3 trees along the front of the property at a minimum of 50mm caliper (shown on the site plan as E, F and G). Suggest planting an Armstrong Maple in the left corner of the property. They grow to approx. 15 metres in height and 5 metres in spread. Considering the overhead Hydro wires, trees that are narrower are better suited for the front yard. For the right side, it is recommended to plant something quite compact, like a Pyramidal Cedar, due to the space in the area and the existing Cedar that is being retained in the area. Pyramidal Cedars grow to approx. 8 metres in height and 1.2 metres in spread.

Respectfully submitted,

Nick Krumins

613-489-1116

Certified Arborist #ON-1239A and TRAQ Certified

Self- Declaration (to be signed by property owner):

By signing the application, you are acknowledging and understanding that an inspector may enter the property at a reasonable time for the purpose of carrying out an inspection. You also acknowledge and understand that through 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 TIR are followed, and where necessary are done so under the supervision of an arborist.

X_____

Client Name and Phone Number