TREE INFORMATION REPORT

INTRODUCTION

Pursuant to Section 4.7.2 of the City of Ottawa's Official Plan, this Tree Conservation Report has been prepared in support of a Site Plan Control Application for the proposed building of a 35 foot by 25-foot workshop at 1419 Mulligan Street, Ottawa, Ontario.

This property has three trees being larger than 30cms diameter at breast height (dbh) and details are herein listed in this report trees A to C. The proposed development of this site would not require the removal of any trees or impact on the Critical Root Zone (CRZ), of any trees on this or any of the neighbouring properties.

The purpose of this report is to provide the client with a detailed description of all protected trees on site as per the City of Ottawa's Tree Protection By-law No. 2020-340. This report is part of a Zoning Bylaw Amendment application to the City of Ottawa and considers the impact that the proposed development will have on the trees. For those trees that are recommended for retention, mitigation measures are provided to reduce the impact during construction. Although all efforts were made to assess the potential impacts the proposed development will have on the trees, unpredictable events sometimes occur during the construction phase that were not considered that may negatively impact tree health. The health and stability of tree will be monitored regularly during construction to ensure the safety of the crews working on the site and to re-assess long term tree viability.

EXISTING TREE INVENTORY

The following is an inventory of all trees that are protected under City of Ottawa Tree Protection (By-law No. 2020-340) on the site and adjacent City property. This includes Distinctive Trees (private trees with a diameter at breast height (dbh) of 30 cm or greater) and city-owned trees of all sizes. It also includes Distinctive Trees on adjacent properties whose Critical Root Zone (CRZ) extend into the subject area. The CRZ is an area around the trunk with a radius equivalent to 10 times the diameter of the trunk. This does not consider infrastructure such as buildings and asphalt and it assumed the tree(s) have no restrictions on root growth. The inventory of existing trees on the site was conducted during the month of May 2023 and October 2023 and there are 3 trees on the property. Below is a list of the trees identified and evaluated. The location of the trees are plotted on the site map to be provided by the homeowner.

Tree A.

Little Leaf Linden Tree, measuring 78cm in diameter at breast height (DBH). This tree is in good health. It is a privately owned tree and is to be retained. The Critical Root Zone (CRZ) is 780 cm. The proposed project would not impact this tree.

Tree B.

Silver Maple Tree, measuring 80cm in diameter at breast height (DBH). This tree is in good health. It is a privately owned tree and is to be retained. The Critical Root Zone (CRZ) is 8000 cm. The proposed project would not impact this tree.

Tree C.

Red Pine tree, measuring 35cm in diameter at breast height (DBH). This tree is in good health. It is privately owned tree and is to be retained as part of the proposed development. The critical root zone (CRZ) is 350cm. The proposed project would not impact this tree.

TREE PLANTING

As part of this proposal the homeowner is not planning on planting an additional tree on the property.

DISTINCTIVE TREES & TREE SPECIES AT RISK

Under the Urban Tree Conservation By-law No. 2020-340, a 'distinctive tree 'is described as "Any tree located on private property with a DBH of 30 cm or greater, within the inner urban area (urban lands within the greenbelt), and with a DBH of 50 cm or greater, within the suburban area (urban lands between the greenbelt and the urban boundary), as identified in Schedule "F" of by-Law 2020-340; is defined as any tree with a (DBH) of 50cm or greater. No at-risk species are impacted by this proposal, and no trees classified as distinctive trees would require removal.

PROTECTIVE MEASURES

Measures intended to mitigate long term damage to trees following construction generally require preserving current site characteristics, particularly below ground.
The following measures are recommended to promote the survival of the trees to be retained.

TREE AND ROOT PROTECTION

Barriers shall be installed adjacent to the tree to be protected. At a minimum, this barrier should be placed at a distance equal to the furthest spread of outside branches (the "dripline") or the CRZ, whichever is greater. All supports and bracing for the barrier shall be placed outside of the protected area and installed to minimize root damage. Furthermore, while the desired effect of the barrier is to prevent construction traffic from entering the protected area, it should be kept in place until all construction has been completed. The barrier should also have signage attached to it indicating its purpose as a protection barrier.

Repair, fuelling of machinery, storage and stockpiling of materials, should not take place within this protected area.

TREE PROTECTION BARRIER

The tree protection fencing must be 1.2 m in height and constructed of a rigid or framed material, plastic (polyethylene) "international orange" web fencing securely mounted on sturdy wood framework which includes top and bottom rails (e.g., modulus – steel, plywood hoarding, or snow fence on a 2"X4" wood frame) with posts 2.4 m apart such that the fence location cannot be altered. If the fenced tree protection area must be reduced to facilitate construction, one of the following mitigation measures should be applied:

Place a layer of 6-12 inches (15 to 30 cm) of woodchip mulch to the area.
Apply ¾ (2 cm) inch plywood, road mats, or steel plates over a 4+ inch (10 cm) thick layer of the wood chip mulch.
Apply 4-6 inches (10 to 15 cm) of gravel over a taut, staked, geotextile fabric.

Within the fenced area, the following tree protection guidelines should be adhered to:

a) Do not change the grade
b) Do not convert to hard surface or change the landscaping
c) Do not place store construction material or equipment
d) Do not operate machinery
e) Do not excavate unless it is a method that has been pre-approved by the city
f) Do not place signs, notices, or posters to any tree
g) Direct the exhaust away from the tree
h) Do not damage the root system, trunk, or branches of any tree
i) If roots are encountered while working within or outside the CRZ, they should be cleanly cut.

It is not envisaged that any protective measures will be required for this project. However, the above is listed for the information of the homeowner, to be used if required for site access or travel of heavy vehicles or machinery for the project.

Greely Tree Services
Cut • Grow • Preserve

Paul Bradley

CEO/ Owner

Office: 613.574.0247

Cell 613.282.3301

Info@gtspro.ca

www.greelytreeservices.com

Notes:

1. The Critical Root Zone (CRZ) is established as being 10 centimetres from the trunk of the tree for every centimeter of trunk DBH. The (CRZ) is calculated as (DBH) x 10cm.
2. DBH diameter at breast height means the measurement of a trunk of a tree at a height of 120cm above grade.

Tree A

Tree B

Tree C