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Urban Forestry & Forest Management Consulting

March 28, 2016

John Szczepaniak  
John K. Szczepaniak Landscape Architect  
P.O. Box 4207, Stn. E  
Ottawa, ON  
K1S 5B2

Re: Tree Conservation Report – 559 Riverdale Ave.

Dear John,

This report details a pre-construction Tree Conservation Report (TCR) for the above-noted property in Ottawa. The legal description of the property is Part of Lot M, Concession C (Rideau Front), Pin: 0412910434. The need for this TCR is related to the future re-development of the site which includes a three-storey apartment building with underground parking.

Tree Conservation Reports are required for all site plan control applications for properties on which a tree of 10 centimetres in diameter or greater is present. Once this TCR is approved by the City of Ottawa a permit to remove all designated trees will be issued. No tree removal should occur prior to the permit being obtained.

The inventory in this report details the assessment and retention/removal status of all individual trees now present on subject property. No trees are present on adjacent private or City of Ottawa property.

### **TREE SPECIES, SIZE, CONDITION AND STATUS**

Table 1 on page 2 details the species, condition, size (diameter) and preservation status of trees present on the subject property. Each tree is referenced by the numbers plotted on the accompanying Tree Conservation Plan prepared by John K. Szczepaniak Landscape Architect.

Table 1. Species, condition, diameter and status of trees at 559 Riverdale Avenue.

Tree No.	Tree Species	Condition (VP→E)	D.B.H (cm)	Tree Condition Notes & <b>Preservation Status</b> (to be removed or retained)
1	White spruce ( <i>Picea glauca</i> )	Poor	29.8	Mature; crown thin, poor growth increment-in decline; <b>to be removed</b>
2	Mountain-ash ( <i>Sorbus</i> spp.)	Poor	20 avg.	Mature; multi-stemmed from 0.4m; one stem dead others in advanced decline; <b>to be removed</b>

Pictures 1 and 2 on pages 3 and 4 show all trees detailed in Table 1.



A deciduous hedge surrounds three sides of the property. The majority of trees within the hedge are either undesirable and/or invasive species: Manitoba maple (*Acer negundo*), buckthorn (*Rhamnus* spp.) and Siberian elm (*Ulmus pumila*). The only native desirable species present are ash (*Fraxinus* spp.) and white elm (*Ulmus americana*), both of which are very prone to disease and insects. All vegetation within the hedges likely originated from seed. Attempts at hedging these trees have been made in the past, leaving them all in poor condition. These hedges are to be removed but since all stems are under 10cm in diameter they are not subject to permit requirements.

### **TREE PRESERVATION AND PROTECTION MEASURES**

Preservation and protection measures intended to mitigate damage during construction will be applied if any trees are to be retained. The following measures are required by the City of Ottawa to ensure the survival of retained trees during and after construction:

1. Erect a fence at the critical root zone (CRZ<sup>1</sup>) of trees;
2. Do not place any material or equipment within the CRZ of the tree;
3. Do not attach any signs, notices or posters to any tree;
4. Do not raise or lower the existing grade within the CRZ without approval;
5. Tunnel or bore when digging within the CRZ of a tree;
6. Do not damage the root system, trunk or branches of any tree;
7. Ensure that exhaust fumes from all equipment are NOT directed towards any tree's canopy.

<sup>1</sup> The critical root zone (CRZ) is established as being 10 centimetres from the trunk of a tree for every centimetre of trunk Diameter at breast height (DBH). The CRZ is calculated as DBH x 10 cm.

Please do not hesitate to contact me if you have any questions concerning this Tree Conservation Report.

Yours,

*Andrew Boyd*

Andrew K. Boyd, B.Sc.F, R.P.F. (#1828)  
Certified Arborist #ON-0496A  
Consulting Urban Forester



Picture 1. White spruce and portion of deciduous hedge surrounding 559 Riverdale Ave.



Picture 2. Mountain-ash at rear of 559 Riverdale Ave.