



URBAN FORESTRY & FOREST MANAGEMENT CONSULTING

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February 5, 2018

Michael Stott
Director Urban Design and Landscape Architecture
Fotenn Planning + Design
223 McLeod Street
Ottawa, ON
K2P 0Z8

Re: Tree Conservation Report – 192 Bronson Ave., Ottawa

Dear Michael,

This report details a pre-construction Tree Conservation Report (TCR) for the above-noted property in Ottawa. The need for this report is related to trees protected under the Urban Tree Conservation By-law 2009-200 and the Municipal Trees and Natural Areas Protection By-law 2006-279. Tree conservation reports are required for all site plan control applications on properties where there is a tree of 10 centimetres in diameter or greater. The approval of this TCR by the City of Ottawa and the issuing of a permit by them authorize the removal of approved trees. **Importantly, although this report may be used to support the application for a City tree removal permit, it does not by itself constitute permission to remove trees or begin site clearing activities. No such work should occur before a tree removal permit is issued by the City of Ottawa. In particular, permission to remove private trees adjacent to the subject property will be required before a tree removal permit is issued.**

The tree inventory and assessment detailed in this report concerns all trees on and directly adjacent to the subject property. The field work for this report was completed on January 30, 2018.

The inventory in this report details the assessment of both individual and groupings of trees impacted by the proposed construction. All trees on the subject property are to be removed due to the proposed construction of a 19-storey building and associated underground parking. Trees located on adjacent private and City properties can be retained as they are out of the way of construction. However it is anticipated these trees will suffer varying degrees of root loss considering the depth and extent of excavation required for the proposed underground parking. Because of this it is recommended the structural integrity of these trees, especially their root plates, be closely monitored during and following excavation.

Based on the condition and size many of the existing juvenile Norway maples are possible candidates for transplanting. However, being a recognized invasive species moving them to other properties is not considered environmentally responsible.



TREE SPECIES, SIZE, CONDITION AND STATUS

Table 1 below details the species, size, condition and status of each impacted tree:

Tree No.	Tree Species	Condition (VP→E)	D.B.H (cm)	Tree Condition Notes & Status (to be removed or retained)
1	Norway maple (<i>Acer platanoides</i>)	Fair	9	Juvenile tree; crown mildly asymmetrical; invasive, undesirable species; to be removed
2	Norway maple	Good	7	Juvenile tree; invasive, undesirable species; to be removed
3	Norway maple	Good	16	Maturing tree; invasive, undesirable species; to be removed
4	Norway maple	Good	13	Maturing tree; invasive, undesirable species; to be removed
5	Norway maple	Good	11	Juvenile tree; invasive, undesirable species; to be removed
6	Norway maple	Good	11	Juvenile tree; invasive, undesirable species; to be removed
7	Norway maple	Good	11	Juvenile tree; invasive, undesirable species; to be removed
8	Norway maple	Poor	24	Located on City property; heavily pruned by Hydro; invasive, undesirable species; to be retained
9	Norway maple	Fair	10	Juvenile tree; main stem vandalized (mechanically girdled); invasive, undesirable species; to be removed
10	Norway maple	Poor	22	Located on City property; heavily pruned by Hydro; invasive, undesirable species; to be retained
11	Norway maple	Poor	9	Juvenile tree; main stem previously vandalized (mechanically girdled); invasive, undesirable species; to be removed
12	Norway maple	Poor	19	Located on City property; heavily pruned by Hydro; invasive, undesirable species; to be retained
13	Norway maple	Very poor	10	Juvenile tree; main stem previously vandalized (mechanically girdled); invasive, undesirable species; to be removed
14	White Cedar (<i>Thuja occidentalis</i>)	Fair	5 avg.	Located on City property; maturing hedge; unmaintained but in generally good condition; seeded Manitoba maple and Siberian elm saplings competing for sunlight; to be retained

Table 1. Continued

Tree No.	Tree Species	Condition (VP→E)	D.B.H (cm)	Tree Condition Notes & Status (to be removed or retained)
15	Siberian elm (<i>Ulmus pumila</i>)	Good	25	On neighbouring private property; maturing tree; generally good growth form; invasive, undesirable species/ to be retained
16	Mountain-ash (<i>Sorbus</i> spp.)	Poor	33	Over-mature tree; major deadwood in crown-in advanced decline; trees #23-26 all with lilac underneath; to be removed
17	Ash (<i>Fraxinus</i> spp.)	Very poor	18	Dead due to Emerald ash borer (<i>Agrilus planipennis</i>) infestation; to be removed
18	Little-leaf linden (<i>Tilia cordata</i>)	Good	20	Typical tear-drop growth form-will benefit from removal of adjacent ash; to be removed
19	Ash	Very poor	16	Dead due to Emerald ash borer infestation; to be removed
20	Siberian elm	Fair	41	Shared tree (will require neighbour's permission to remove); mature tree; growing on mild angle; slime flux apparent in mid-crown; trees #20-24 each an invasive, undesirable species with chokecherry underneath; to be removed
21	Siberian elm	Fair	40	Mature tree; growing on moderate angle due to intercompetition for sunlight; to be removed
22	Siberian elm	Fair	31	On neighbouring private property; mature tree; growing on mild angle; slime flux apparent in mid-crown; to be retained
23	Siberian elm	Fair	53	On neighbouring private property; mature tree; growing on mild angle; to be retained
24	Siberian elm	Fair	59	On neighbouring private property; mature tree; growing on moderate angle due to intercompetition for light; to be retained
25	Manitoba maple	Poor	14 avg.	On neighbouring private property; five-stemmed from grade-all divergent; to be retained
26	Manitoba maple	Fair	23	On neighbouring private property; growing on mild lean; to be retained
27	Norway maple	Good	24	Fair vigour and growth increment; invasive, undesirable species; to be removed
28	Norway maple	Very poor	23	Dead due to very restricted rooting area; to be removed

Table 1. Continued

Tree No.	Tree Species	Condition (VP→E)	D.B.H (cm)	Tree Condition Notes & Status (to be removed or retained)
29	Siberian elm	Fair	42	Crown asymmetrical due to proximity of building; invasive, undesirable species; to be removed

Pictures 1 through 4 on pages 5, 6 and 7 of this report show selected trees on and adjacent to the subject property. The location of each tree is reference by its number on the tree conservation plan prepared by Fotenn Planning and Design.

Endangered Species

No butternuts (*Juglans cinerea*) were identified on the subject or adjacent properties. This species of tree is listed as threatened under the Province of Ontario's Endangered Species Act (2007) and so is protected from harm.

Tree Preservation and Protection Measures

Preservation and protection measures intended to mitigate damage during construction will be applied for the trees to be retained adjacent to the subject property. The following measures are the minimum required by the City of Ottawa to ensure tree survival during and following construction:

1. Erect a fence at the critical root zone (CRZ¹) 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.

¹ 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 with any questions concerning this tree conservation report.

Yours,

Andrew Boyd

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





Picture 1. Trees #8, 10 and 12 adjacent to 192 Bronson Ave.



Picture 2. Trees #15, 16 and 17 on and adjacent to 192 Bronson Ave.



Picture 3. Trees #20 through 26 on and adjacent to 192 Bronson Ave.



Picture 4. Trees #28 and 29 at 192 Bronson Ave.

10-2100

BRONSON STREET

CAMBRIDGE STREET

