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Urban Forestry & Forest Management Consulting

November 14, 2017

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

RE: TREE CONSERVATION REPORT – 851 INDUSTRIAL AVENUE, OTTAWA

Dear Michael,

This report details a pre-construction Tree Conservation Report (TCR) for the above-noted property in Ottawa. The need for this TCR is related to the re-development of the subject property. Such reports are required for all Plans of Subdivision and Site Plan Control Applications where a tree of 10 centimetres in diameter or greater exists on the property. The approval of this TCR by the City of Ottawa and the issuing of a permit by them authorizes the removal of approved trees. No tree removal should occur before such a permit is issued.

The inventory in this report details the assessment of all individual trees on the subject property. Nearby trees on adjacent private property which could be affected by construction are also noted. Field work for this report was completed on November 9, 2017.

The construction proposed for the site includes a five-storey self-storage building with surface and below ground parking. Construction of the proposed building will require all existing individual trees on the subject property to be removed. Adjacent trees and lines of trees along property lines will be preserved. The exception being one tree on City of Ottawa property which will conflict with a proposed entranceway.

TREE SPECIES, CONDITION, SIZE AND STATUS

On the Table 1 on page 2 details the species, condition, size (diameter) and status of the individual trees on the subject property. Each of these trees is referenced by the numbers plotted on the accompanying tree conservation plan TR-3 prepared by Fotenn Planning + Design.



Table 1. Species, condition, diameter and status of trees at 851 Industrial Avenue.

Tree No.	Tree Species	Condition (VP→E)	DBH ¹ (cm)	Tree Condition Notes & Preservation Status (to be removed or retained)
1	Little-leaf linden (<i>Tilia cordata</i>)	Poor	31	Maturing; planted tree; very asymmetrical crown due to shading from tree #2; introduced species; to be removed
2	Red maple (<i>Acer rubrum</i>)	Good	43	Mature; planted tree; crown raised high over roof of adjacent building; good root collar; native species; to be removed
3	Little-leaf linden	Poor	35	Maturing; planted tree; very asymmetrical crown due to aggressive clearance pruning from adjacent building; introduced species; to be removed
4	Little-leaf linden	Poor	36	Maturing; planted tree; very asymmetrical crown due to aggressive clearance pruning from adjacent building; introduced species; to be removed
5	Little-leaf linden	Poor	39	Maturing; planted tree; very asymmetrical crown due to aggressive clearance pruning from adjacent building; heavy basal sprouting; introduced species; to be removed
6	Little-leaf linden	Very poor	37	Maturing; planted tree; five co-dominant stems at 1.5m, plus one suppressed lateral-broad crown; very asymmetrical crown due to aggressive clearance pruning from adjacent building (including one topped stem); heavy basal sprouting; introduced species; to be removed
7	Little-leaf linden	Fair	32	Maturing; planted tree; co-dominant stems at 1.75m – central stem with one suppressed lateral; crown raised to 2.5m; introduced species; to be removed
8	Little-leaf linden	Poor	31	Located on city property ; maturing; planted tree; heavily divergent towards southeast; heavy salt spray damage on east side of crown; introduced species; to be removed
9	Little-leaf linden	Fair	34	Maturing; planted tree; central stem with competing lateral at 1.5m on northwest side; introduced species; to be removed

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10	Little-leaf linden	Fair	31	Maturing; planted tree; moderately divergent towards southeast; stubs left from past pruning; basal sprouting; introduced species; to be removed
11	Little-leaf linden	Good	34	Maturing; planted tree; co-dominant stems at 1.5m – central stem with one competing lateral; introduced species; to be removed
12	Little-leaf linden	Fair	30	Maturing; planted tree; central stem with two competing and two suppressed laterals – broad crown; introduced species; to be removed
13	Little-leaf linden	Good	34	Maturing; planted tree; moderately divergent towards southeast; moderately asymmetrical due to tree # 12; living branches held to ground; broad, dense crown; introduced species; to be removed
14	Austrian pine (<i>Pinus nigra</i>)	Good	37	Located on adjacent private property; fair crown density, growth increment and needle colour; asymmetrical due to tree #15; mildly hydro pruned; introduced species; to be retained
15	Norway maple (<i>Acer platanoides</i>)	Fair	33	Located on adjacent private property; co-dominant stems at 1.5m – central stem with dominant lateral; broad, dense crown; asymmetrical towards southeast; introduced, invasive species; to be retained
16	Norway maple, white elm (<i>Ulmus americana</i>), Manitoba maple (<i>Acer negundo</i>), Siberian elm (<i>Ulmus pumila</i>)	Fair	Some over 10	Some trees located on adjacent private property; all originated from seed – mainly introduced or naturalized species; scattered stems over 10cm in diameter; to be retained
17	Eastern cottonwood (<i>Populus deltoides</i>), white poplar (<i>Populus alba</i>), Russian- olive (<i>Elaeagnus angustifolia</i>)	Fair	Some over 10	Some trees located on adjacent private property; all originated from seed or root sprouts – mainly introduced or naturalized species; scattered stems over 10cm in diameter; to be retained

¹Diameter at breast height, or 1.4m from grade.

Pictures 1 through 7 on pages 5 through 8 of this report show selected trees on or adjacent to the subject property.



ENDANGERED SPECIES

No endangered tree species, namely butternut (*Juglans cinerea*) were found on or in the vicinity of the subject property.

TREE PRESERVATION AND PROTECTION MEASURES

Preservation and protection measures intended to mitigate damage during construction will be applied for the trees to be retained on and adjacent to the subject property. The following measures are required by the City of Ottawa to ensure tree survival during 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)
Certified Arborist #ON-0496A and TRAQualified
Consulting Urban Forester



Picture 1. Trees #1, 2 and 3 at 851 Industrial Avenue.



Picture 2. Trees #4, 5 and 6 at 851 Industrial Avenue.



Picture 3. Portion of treed area #17 at 851 Industrial Avenue.



Picture 4. Trees #9 through 13 at 851 Industrial Avenue.



Picture 5. Trees #14 and 15 adjacent to 851 Industrial Avenue.



Picture 6. Portion of treed area #16 at 851 Industrial Avenue.



Picture 7. Portion of treed area #16 at 851 Industrial Avenue.