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Urban Forestry & Forest Management Consulting

September 6, 2017

Rheal Labelle, M. Arch.
Hobin Architecture Incorporated
63 Pamilla Street
Ottawa, ON
K1S 3K7

Re: Tree Conservation Report – 575 Old Prospect Road, Rockcliffe

Dear Rheal,

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 future re-development of the subject property. The construction proposed for the site includes the construction of one single-family, two-storey home. Retention of all existing trees on the subject property is thought possible since the proposed footprint of the new home only covers 21% of the total lot area. This comparatively small footprint will greatly reduce the degree of root disturbance normally associated with construction. No city-owned trees or those on adjacent private property will be overly impacted by the proposed construction.

The inventory in this report details the assessment of all individual trees on the subject and adjacent City of Ottawa property. Field work for this report was completed on April 26th, June 6th and September 5th, 2017. Two 'distinctive' trees (as defined by the City of Ottawa's By-law 2009-200) are present, one 53.2cm white pine located in the subject property and another white pine of identical size on city property.

TREE SPECIES, CONDITION, SIZE AND STATUS

Table 1 below details the species, condition, size (diameter) and status of all individual trees on the subject and city property which could be affected by the proposed construction. Each of these trees is referenced by the numbers plotted on the accompanying site/tree plan prepared by Hobin Architecture.

Table 1. Species, condition, diameter and status of trees at 575 Old Prospect Road.

Tree No.	Tree Species	Condition (VP→E)	DBH[1] (cm)	Tree Condition Notes & **Preservation Status** (to be removed or retained)
1	Colorado spruce *(Picea pungens)*	Fair	26.4	Located on city property; lower crown very thin; fair crown density, growth increment and needle colour in upper crown; **to be retained**

[1] Diameter at breast height – 1.3m from grade

Table 1. Continued

Tree No.	Tree Species	Condition (VP→E)	DBH (cm)	Tree Condition Notes & **Preservation Status** (to be removed or retained)
2	White spruce *(Picea glauca)*	Good	24.4	Located on city property; crown symmetrical; good crown density, growth increment and needle colour; **to be retained**
3	White spruce	Fair	22.2	Located on city property; crown asymmetrical due to competition for sunlight with tree #4; fair crown density and growth increment, good needle colour; **to be retained**
4	White spruce	Fair	24.7	Located on city property; crown asymmetrical and thin due to competition for sunlight with tree #3; fair crown density and growth increment, good needle colour; **to be retained**
5	White spruce	Fair	39.4	Located on city property; crown asymmetrical and thin due to competition for sunlight with tree #3; fair crown density and growth increment, good needle colour; **to be retained**
6	White spruce	Fair	20.3	Located on city property; crown asymmetrical due to competition for sunlight with tree #4; fair crown density and growth increment, good needle colour; **to be retained**
7	Colorado spruce	Fair	24.4	Located on city property; crown slightly misshapen due to pruning from Hydro lines; fair crown density and growth increment, good needle colour; **to be retained**
8	White pine *(Pinus strobus)*	Poor	53.2	Located on city property; crown very misshapen due to aggressive pruning from Hydro lines; fair crown density and growth increment, good needle colour; shading tree #20; **to be retained**
9	Austrian pine *(Pinus nigra)*	Poor	36.0	Located on city property; poor crown density, growth increment and needle colour-possibly due to Brown spot needle blight *(Mycosphaerella dearnessii)*; co-dominant stems at 8m; sweeps in main stem; **to be retained**
10	Norway maple *(Acer platanoides)*	Fair	20.8	Located on private property; generally good growth form; highly invasive, undesirable species; **to be retained**
11	Norway maple	Fair	29.0	Located on private property; crown asymmetrical due to Hydro pruning; shading adjacent hedge-diminishing privacy screening; highly invasive, undesirable species; **to be retained**

Table 1. Continued

Tree No.	Tree Species	Condition (VP→E)	DBH (cm)	Tree Condition Notes & **Preservation Status** (to be removed or retained)
12	White pine	Good	53.2	Located on private property; good crown density, growth increment and needle colour; **to be retained**
13	White spruce	Fair	33.8	Located on private property; fair crown density, growth increment and needle colour; crown asymmetrical due to competition for sunlight with tree #8; shading adjacent cedar hedge-privacy screening deteriorating as a result; **to be removed due to conflict with pool terrace**
14	White spruce	Fair	29.9	Located on private property; growing on angle towards west and crown asymmetrical due to competition with previous understory trees; **to be removed due to conflict with pool terrace**

Pictures 1 through 3 on pages 4, 5 and 6 show selected trees on and adjacent to the subject property.

TREE PRESERVATION AND PROTECTION MEASURES

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

1. Erect a fence at the critical root zone (CRZ[1]) 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.

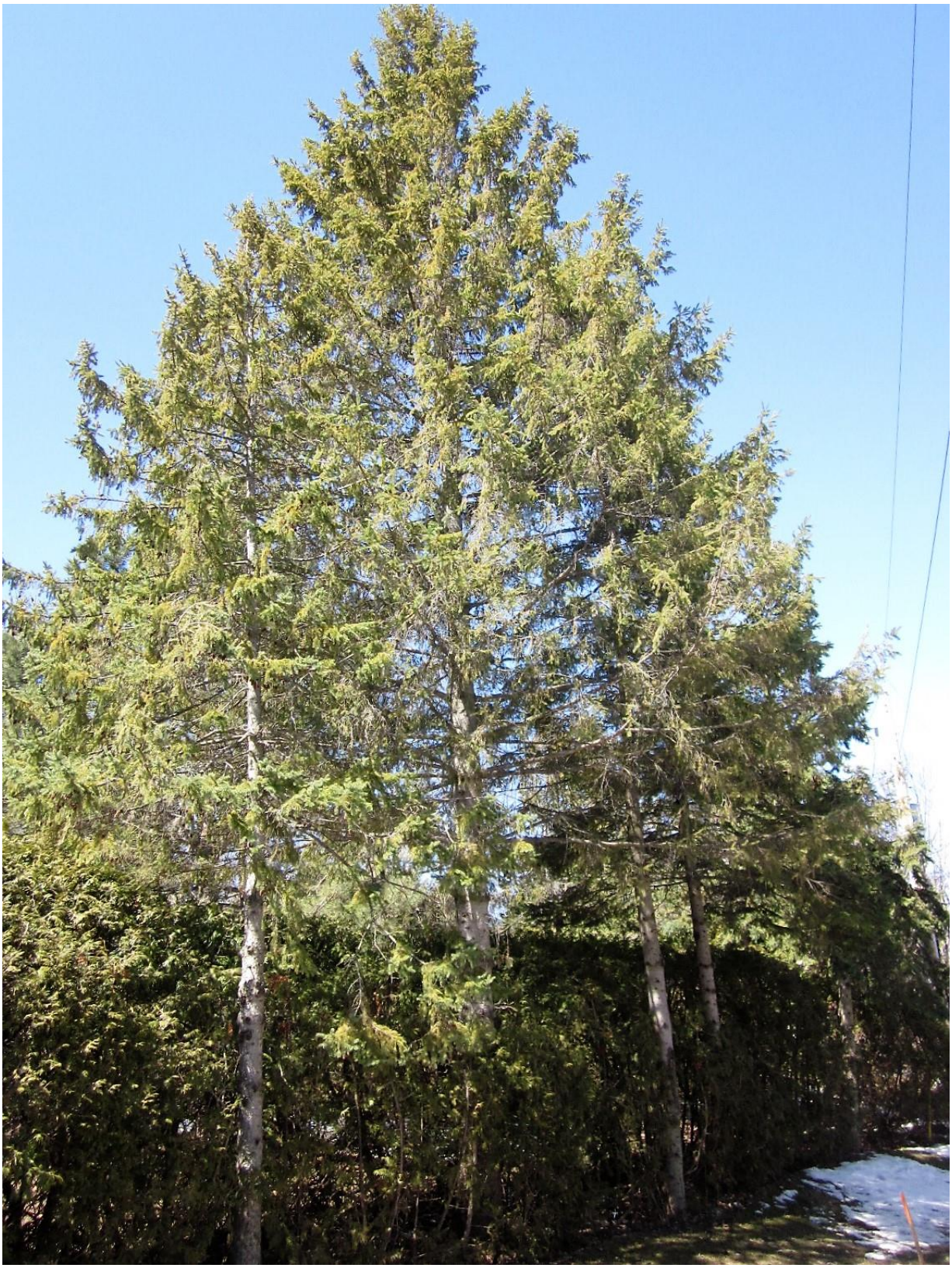
[1] The critical root zone (CRZ) is established as being 10 centimetres from the trunk of a tree for every centimetre of trunk Diameter at breast height (DBH). The CRZ is calculated as DBH x 10 cm.

Please do not hesitate to contact me with any questions concerning this Tree Conservation Report.

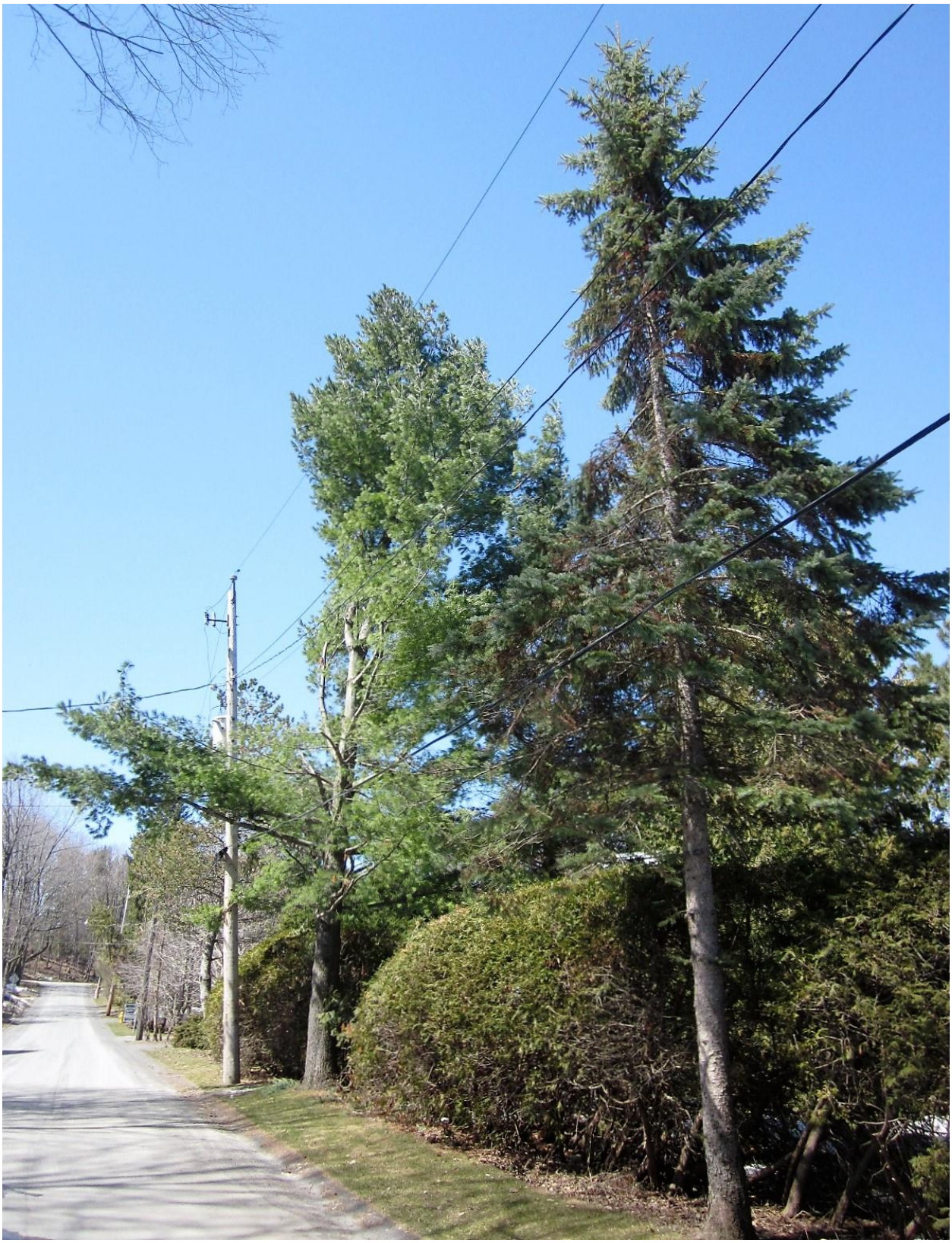
Yours,

Andrew Boyd

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



Picture 1. Trees #3, 4, 5 and 6 (right to left) at 575 Old Prospect Road, Rockcliffe.



Picture 2. Trees #7 and 8 at 575 Old Prospect Road, Rockcliffe.

Picture 3. Trees #9, 10 and 11 at 575 Old Prospect Road, Rockcliffe.