



June 26, 2020

Florent Filion  
Longwood Building Corporation  
1010 Polytek Street, Unit #5  
Ottawa, ON  
K1J 9H8

**RE: TREE CONSERVATION REPORT FOR 353-357 GARDNER STREET, OTTAWA**

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 proposed demolition of a semi-detached dwelling and construction of a 10-storey high-rise apartment building with underground parking.

Tree conservation reports are required for all site plan control applications where trees of 10 centimetres in diameter or greater are present on the property. 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. Further, trees on or shared with adjacent private property owners or the City of Ottawa will require written permission of co-owners before being removed.**

The inventory in this report details the assessment of all individual trees on and adjacent to the subject property. Field work for this report was completed on June 22, 2020.

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

Table 1 below details the species, condition, size (diameter), ownership and status of the individual trees on or adjacent to the subject property. Each of these trees is referenced by the numbers plotted on the accompanying tree conservation plans.

Table 1. Species, condition, size (diameter) and status of trees at 353-357 Gardner Street

Tree No.	Tree Species	Condition (VP→E)	DBH <sup>1</sup> (cm)	Owner-ship	Tree Condition Notes & <b>Preservation Status</b> (to be removed or preserved and protected)
1	Manitoba maple ( <i>Acer negundo</i> )	Poor	44 & 48	Private	Mature; double stemmed from grade (44cm stem previously cut at 1.5m); remaining stem divergent towards SW; naturalized species; <b>to be removed</b> (conflicts with construction)



Table 1. Con't

Tree No.	Tree Species	Condition (VP→E)	DBH <sup>1</sup> (cm)	Owner-ship	Tree Condition Notes & <b>Preservation Status</b> (to be removed or preserved and protected)
2	Manitoba maple	Poor	13 & 16	Shared (with City)	Maturing; double stemmed from grade; divergent towards SW – topped by Hydro; <b>to be removed</b> (conflicts with construction)
3	Manitoba maple	Poor	35 avg.	Shared (with City)	Mature; central dominant stem with 3 competing laterals – broad crown; central stem divergent towards SE, all others topped by Hydro; <b>to be removed</b> (conflicts with construction)
4	Manitoba maple	Poor	26	Private	Mature; single stem divergent towards SE; has grown through chain link fence; <b>to be removed</b> (conflicts with construction)
5	Manitoba maple	Poor	40	Private	Mature; co-dominant stems at 3m from grade – one heavily divergent towards SW, other towards NW; <b>to be removed</b> (conflicts with construction)
6	Manitoba maple	Poor	30	Private	Mature; single stem heavily divergent towards SW (has grown horizontally); <b>to be removed</b> (conflicts with construction)
7	White elm ( <i>Ulmus americana</i> )	Fair	17	Private	Maturing; single stem suppressed by neighbouring elm – leader divergent towards S; no outward signs of Dutch elm disease ( <i>Ophiostoma ulmi/novo-ulmi</i> )-DED; native species; <b>to be removed</b> (conflicts with construction)
8	Manitoba maple	Poor	34	Shared (with City)	Mature; co-dominant stems at 2m from grade; E stem removed at union, remaining stem topped by Hydro; <b>to be removed</b> (conflicts with construction)
9	White elm	Good	20 & 23	Private	Mature; co-dominant stems at 3m from grade – generally upright form; no outward signs of DED; <b>to be removed</b> (conflicts with construction)

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Tree No.	Tree Species	Condition (VP→E)	DBH <sup>1</sup> (cm)	Owner-ship	Tree Condition Notes & <b>Preservation Status</b> (to be removed or preserved and protected)
10	Crab apple ( <i>Malus</i> spp.)	Poor	29 (at 0.3m)	Private	Mature; tri-stemmed at 0.5m from grade; one stem dead, others very divergent due to shade from adjacent trees; cultivated; <b>to be removed</b> (conflicts with construction)
11	Crab apple	Fair	29 (at 0.3m)	Private	Mature; tri-stemmed at 0.5m from grade; generally upright form; <b>to be removed</b> (conflicts with construction)
12	Crab apple	Poor	35 (at 0.3m)	Private	Mature; tri-stemmed at 0.5m from grade; one stem dead, others very divergent due to shade from adjacent trees; <b>to be removed</b> (conflicts with construction)
13	Norway maple ( <i>Acer platanoides</i> )	Fair	35	Private	Mature; co-dominant stems at 2m from grade – very weak union (open seam due to included bark); introduced invasive species; <b>to be removed</b> (conflicts with construction)
14	Crab apple	Fair	33 (at 0.3m)	Private	Mature; co-dominant stems at 0.5m from grade; competing lateral stems at 1m on S and SW-broad crown; <b>to be removed</b> (conflicts with construction)
15	Norway maple	Good	19	Private	Maturing; upright dominant stem for most of height; <b>to be removed</b> (conflicts with construction)
16	Norway maple	Good	21	Private	Mature; generally upright form; leader suppressed, divergent due to tree #17; <b>to be removed</b> (conflicts with construction)
17	Manitoba maple	Fair	121	Private	Very mature; tri-dominant stems at 4m from grade; lower trunk divergent towards S/SE; very broad, dense crown; <b>to be removed</b> (conflicts with construction)

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Tree No.	Tree Species	Condition (VP→E)	DBH <sup>1</sup> (cm)	Owner-ship	Tree Condition Notes & <b>Preservation Status</b> (to be removed or preserved and protected)
18	White elm	Fair	48	Private	Mature; upright dominant stem to 6m - co-dominant leaders above; crown asymmetric due to shading from tree #19; no outward signs of DED; <b>to be removed</b> (conflicts with construction)
19	Manitoba maple	Fair	58	Private	Mature; divergent towards W/SW; central stem with competing laterals starting at 7m; co-dominant leaders at 9m – moderately broad crown; <b>to be removed</b> (conflicts with construction)
20	Manitoba maple	Fair	51	Shared (with City)	Mature; divergent towards E (wooden fence built around lower bole); <b>to be removed</b> (conflicts with construction)
21	White elm	Dead	17	Private	<b>To be removed</b> (hazardous)
22	Norway maple	Good	+/- 25	Shared (with 351)	Mature; generally upright form with broad, symmetric crown; <b>to be preserved and protected</b>

<sup>1</sup> diameter at breast height, or 1.4m from grade (unless otherwise indicated)

Pictures 1 through 5 on pages 5 through 9 of this report 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 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 (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.



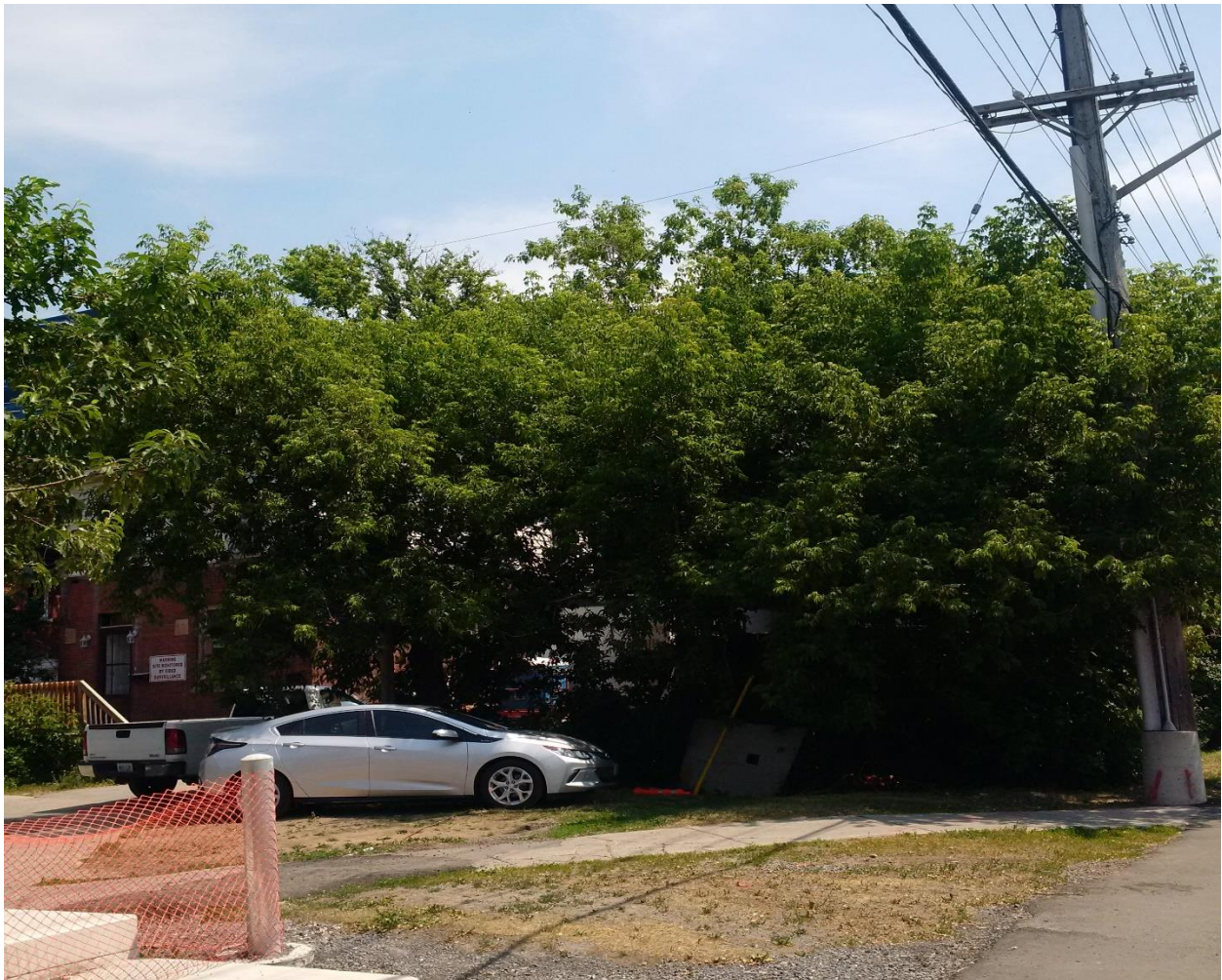
This report is subject to the attached Limitations of Tree Assessments to which the reader's attention is directed.

Please do not hesitate to contact the undersigned with any questions concerning this report.

Yours,



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



Picture 1. Tree #1, 2 and 3 (left to right) at 353-357 Gardener Street, Ottawa



Picture 2. Trees #7, 8 and 9 at 353-357 Gardener Street, Ottawa



Picture 3. Trees #10 and 11 at 353-357 Gardener Street, Ottawa



Picture 4. Trees #17 at 353-357 Gardener Street, Ottawa





Picture 5. Tree #22 at 353-357 Gardener Street, Ottawa

## LIMITATIONS OF TREE ASSESSMENTS

It is the policy of *IFS Associates Inc.* to attach the following clause regarding limitations. We do this to ensure that our clients are clearly aware of what is technically and professionally realistic in assessing trees for retention.

The information contained in this report covers only the tree(s) in question and no others. It reflects the condition of the assessed tree(s) at the time of inspection and was limited to a visual examination of the accessible portions only. *IFS Associates Inc.* has prepared this report in a manner consistent with that level of care and skill ordinarily exercised by members of the forestry and arboricultural professions, subject to the time limits and physical constraints applicable to this report. The assessment of the tree(s) presented in this report has been made using accepted arboricultural techniques. These include a visual examination of the above-ground portions of each tree for structural defects, scars, cracks, cavities, external indications of decay such as fungal fruiting bodies, evidence of insect infestations, discoloured foliage, the condition of any visible root structures, the degree and direction of lean (if any), the general condition of the tree(s) and the surrounding site, and the proximity of property and people. Except where specifically noted in the report, the tree(s) examined were not dissected, cored, probed or climbed to gain further evidence of their structural condition. Also, unless otherwise noted, no detailed root collar examinations involving excavation were undertaken.

While reasonable efforts have been made to ensure that the tree(s) recommended for retention are healthy, no warranty or guarantee, expressed or implied, are offered that these trees, or any parts of them, will remain standing. This includes other trees on the property not examined as part of this assignment. It is both professionally and practically impossible to predict with absolute certainty the behaviour of any single tree or groups of trees or their component parts in all circumstances. Inevitably, a standing tree will always pose some risk. Most trees have the potential for failure in the event of adverse weather conditions, and this risk can only be eliminated through tree removal.

Notwithstanding the recommendations and conclusions made in this report, it must be realized that trees are living organisms, and their health and vigour constantly change over time. They are not immune to changes in site conditions, or seasonal variations in the weather. It is a condition of this report that *IFS Associates Inc.* be notified of any changes in tree condition and be provided an opportunity to review or revise the recommendations within this report. Recognition of changes to a tree's condition requires experience and so it is recommended that *IFS Associates Inc.* be employed to re-inspect the tree(s) with sufficient frequency to detect if conditions have changed significantly.

No responsibility is assumed for matters legal in character. Statements made to *IFS Associates Inc.* in regards to the condition or history of the tree(s) are assumed to be correct. Any and all property is assessed or evaluated as though free and clear, under responsible ownership and competent management. It is assumed that any property is not in violation of any applicable codes, ordinances, statues or other government regulations.



Neither the author of this report nor anyone else in association with *IFS Associates Inc.* shall be required to give testimony or attend court by reason of this report unless contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contact of engagement, or as previously accepted.

The information, recommendations and opinions expressed in this report are for the sole benefit of the client(s) named above. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressly written consent of the author. Unless otherwise required by law, neither all or any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales or other media, without the prior expressly written consent of the author, and especially as to value conclusions, identity of the author, or any reference to any professional society or institute or to any initialed designation conferred upon the author as stated in his qualifications.

This report and any values expressed herein represent the opinion of the author; His fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.

Details obtained from photographs, sketches, etc., are intended as visual aids and are not to scale. They should not be construed as engineering reports or surveys.

Although every effort has been made to ensure that this assessment is reasonably accurate, the tree(s) should be reassessed at least annually. The assessment presented in this report is valid at the time of the inspection only.

Lastly, loss or alteration of any part of this report invalidates the entire report.