



URBAN FORESTRY & FOREST MANAGEMENT CONSULTING

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Committee of Adjustment
Received | Reçu le
2023-03-16
City of Ottawa | Ville d'Ottawa
Comité de dérogation

RE: TREE CONSERVATION REPORT FOR 436 GEORGE STREET, OTTAWA

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. Also, permission must be sought from adjacent property owners for the removal of any shared trees.**

The inventory in this report details the assessment of all individual trees fully on and shared with the subject property and those on neighbouring private and public lands. A single tree is present on adjacent City of Ottawa property and multiple trees are present on adjacent National Capital Commission (NCC) property. Field work for this report was completed on December 12, 2019.

The construction proposed for the site includes the demolition of an existing two-storey duplex and construction of a larger three-storey apartment building. No driveway or surface parking is proposed for the new building.

The excavation necessary for the new build will result in the removal of a cedar hedge currently on the subject property. All other trees on the subject and adjacent City and NCC properties will be retained, with the exception of the mature City oak and a single dead ash tree shared between private properties. The tree preservation and protection measures cited in this report will be followed to ensure the survival of trees proposed for retention.

TREE SPECIES, CONDITION, SIZE AND STATUS

Table 1 on pages 2 and 3 details the species, condition, size (diameter) and status of the individual trees on the subject and nearby City property. Each of these trees is referenced by the numbers plotted on the accompanying tree conservation plans.



Table 1. Species, condition, diameter, ownership and status of trees at 436 George Street.

Tree No.	Tree Species	Condition (VP→E) ¹	DBH ² (cm)	Owner -ship	Age Class, Tree Condition Notes & Preservation Status (proposed for removal or preservation and protection)
1	English oak (<i>Quercus robur</i>)	Fair	71.0	City	Mature; crown heavily pruned due to overhead Hydro lines; naturalized species; proposed for removal (will not survive construction)
2	Kentucky coffeetree (<i>Gymnocladus dioicus</i>)	Good	5	NCC	Juvenile; recently planted; introduced to Eastern Ontario; proposed for preservation and protection
3	Sugar maple (<i>Acer saccharum</i>)	Poor	4	NCC	Juvenile; recently planted; advanced dieback in upper crown; native species; proposed for preservation and protection
4	Sugar maple	Good	5	NCC	Juvenile; recently planted; native species; proposed for preservation and protection
5	White cedar (<i>Thuja occidentalis</i>)	Fair	10	Private	Mature; hedge form; many seeded Manitoba (<i>Acer negundo</i>) and Norway (<i>Acer platanoides</i>) maples growing through hedge; fair crown density, growth increment and needle colour; native species; proposed for removal
6	White pine (<i>Pinus strobus</i>)	Dead	4	NCC	Juvenile; recently planted; native species; proposed for preservation and protection (though should be removed)
7	Austrian pine (<i>Pinus nigra</i>)	Poor	32.4	NCC	Maturing; upper stem heavily divergent towards north; heavy pitch mass borer (<i>Synanthedon pini</i>) and sapsucker (<i>Sphyrapicus varius</i>) damage; fair crown density, growth increment and needle colour; introduced species; proposed for preservation and protection
8	White spruce (<i>Picea glauca</i>)	Very good	27.3	Private	Mature; very good crown density, growth increment and needle colour; native species; proposed for preservation and protection

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9	Manitoba maple	Fair	15.3	Private	Maturing; divergent form due to shading; originated from seed; naturalized to Eastern Ontario; proposed for preservation and protection
10	Ash (<i>Fraxinus</i> spp.)	Dead	16.4	Shared	Dead due to emerald ash borer (<i>Agrilus planipennis</i>); native species; proposed for removal

¹Very Poor-Excellent; ²Diameter at breast height, or 1.4m from grade.

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

TREE PRESERVATION AND PROTECTION MEASURES

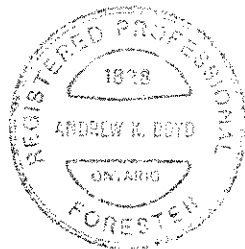
Preservation and protection measures intended to mitigate damage during construction will be applied for the trees to be retained adjacent to the subject property. The following measures are the minimum required by the City of Ottawa to ensure tree survival during and following construction:

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.

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 me if you have questions regarding this tree conservation 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, English oak at 436 George Street.



Picture 2. Current rooting area available to tree #1 at 436 George Street.



Picture 3. Trees #2-6 at 436 George Street.



Picture 4. Trees #7 and 8 at 436 George Street.

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.