

TREE CONSERVATION REPORT

FOR PROPOSED 1003 PRINCE OF WALES DRIVE PLANNED UNIT RESIDENTIAL DEVELOPMENT

1

May 2013

INTRODUCTION

Pursuant to Section 4.7.2 of the City of Ottawa's Official Plan, this Tree Conservation Report has been prepared in support of a Site Plan Control Application for the proposed 7 unit residential development at 1003 Prince of Wales Drive.

EXISTING TREE INVENTORY

An inventory of existing vegetation on the subject site was conducted October 4, 2012 and re-evaluated on March 27, 2013.

Refer to **Tree Conservation Plan –TCP.1** attached to this report.

The schedule listed below is a list of trees identified and evaluated on the subject property at current date of inventory.

EXISTING TREE INVENTORY SCHEDULE:

Tree (Code) highlighted are identified for removal.

CODE (REFERENCE)	SPECIES	SIZE (cm) dbh –approx	VISUAL / CONDITION / REMARKS
1	Ash (3-4)	5	Fair / conflict / remove
2	Ash, Norway Spruce, Buckthorn, Apple (hedgerow)	7-25	Good / Thin-out and prune / retain
3	Elm	30	Fair / prone to DED / conflict / remove
4	Removed (as of Mar.27/13)		
5	Manitoba Maple	60	Poor / conflict / remove
6	Colorado Spruce	60	Poor / conflict / remove
7	Norway Spruce	60	Good / conflict / remove
8	Colorado Spruce	60	Poor / conflict / remove
9	Austrian Pine	60	Fair / conflict / remove
10	Spruce	50	Good / conflict / remove
11	Colorado Spruce	65	Poor / conflict / remove
12	Ash, Norway Spruce, Buckthorn, (hedgerow)	13-20	Good / Thin-out and prune / retain
13	Maple	100	Good / conflict / remove
14	Apple	25	Good / retain
15	Norway Spruce	40	Good / retain
16	Norway Spruce	60	Good / retain
17	Norway Spruce	60	Good / retain
18	Norway Spruce	40	Good / retain
19	Norway Spruce	40	Good / retain
20	Norway Spruce	40	Good / retain
21	Ash, Norway Spruce, Buckthorn, Apple (hedgerow)	10-25	Good / Thin-out and prune / retain
22	Ash	30	Poor / remove

TREE CONSERVATION REPORT

FOR PROPOSED 1003 PRINCE OF WALES DRIVE PLANNED UNIT
RESIDENTIAL DEVELOPMENT

2

May 2013

23	Norway Maple	40	Good / conflict / remove
24	Norway Maple	60	Good / conflict / remove
25	Colorado Spruce	40	Good / conflict / remove
26	Ash	60	Good / conflict / remove
27	Norway Maple	60	Good / conflict / remove
28	Amur Maple (clump)	30	Good / conflict / remove
29	Ash, Buckthorn, (hedgerow)	10-25	Good / conflict / remove
30	Norway Maple	55	Good / conflict / remove
31	Apple	38	Good / conflict / remove
32	Norway Maple	60	Good / conflict / remove
33	Norway Maple	20	Good / conflict / remove
34	Scots Pine	40	Fair / conflict / remove
35	Birch	50	Good / conflict / remove
36	Colorado Spruce	40	Poor / conflict / remove
37	Colorado Spruce	40	Poor / conflict / remove

DEFINITIONS

The **Critical Root Zone (CRZ)** is established as being 10 centimetres from the trunk of the tree for every centimetre of trunk DBH.

The **CRZ** is calculated as **dbh x 10cm**

(dbh) diameter at breast height means the measurement of a trunk of a tree at a height of **120cm** above grade for trees of 15cm diameter or greater and at a height of **30cm** above grade for trees of less than 15cm diameter.

DISTINCTIVE TREES & TREE SPECIES AT RISK

Under the Urban Tree Conservation By-law, a 'distinctive tree' is defined as any tree with a dbh of 50cm or greater.

There are sixteen (16) 'distinctive trees' on subject property. Three (3) are in good condition to be retained and preserved. Nine (9) are in good condition to be removed due to development. Five (5) are fair to poor, to be removed.

No tree species at risk were found or identified on the subject or nearby adjacent property.

EXISTING VEGETATION IN THE PROPOSED LANDSCAPE

The 'infill' development will see a generous planting of deciduous and coniferous trees and shrubs to complement the landscape design and compensate for the loss due to development.

MITIGATIVE MEASURES

Measures intended to mitigate long term damage to trees following construction generally require preserving current site characteristics, particularly below ground.

The following measures are recommended to promote survival for trees to be retained:

May 2013

Tree Protection Barrier:

Barriers for tree protection shall be installed adjacent to the trees to be protected. At a minimum, this barrier should be placed at a distance equal to the furthest spread of outside branches (the “dripline”) or the CRZ, whichever is greater. All of the supports and bracing for the barrier shall be placed outside of the protected area and installed to minimize root damage. Furthermore, while the desired effect of the barrier is to prevent construction traffic from entering the protected area, it shall be kept in place until all construction has been completed. The barrier shall also have signage attached to it indicating its purpose as a protection barrier. Repair, fuelling of machinery, storage and stockpiling of materials, shall not take place within this protected area.

Tree Protection Barrier material options:

- 1.2m height min. solid plywood hoarding mounted securely on durable wood posts; posts to be max. 2.4m c/c; (to be approved City of Ottawa).
- 1.2m height min. chain-link fence with tubular steel support posts or “T” posts; posts to be max. 2.4m c/c; (to be approved City of Ottawa).
- 1.2m height min. plastic (polyethylene) “international orange” web fencing securely mounted on sturdy wood framework that includes top and bottom rail; posts to be max. 2.4m c/c; (to be approved City of Ottawa).
- Other methods and material approved by City of Ottawa.

In addition:

- Do not place any material or equipment within the CRZ of the tree;
- Do not attach any signs, notices or posters to any tree;
- Do not raise or lower the existing grade within the CRZ without approval;
- Tunnel or bore when digging within the CRZ of a tree;
- Do not damage the root system, trunk or branches of any tree;
- Ensure that exhaust fumes from all equipment are NOT directed towards any tree's Canopy.

Surface Treatment:

A protective root buffer is required for a minimum distance of 2.0 metres outside of the tree protection barrier. This buffer will consist of woodchips spread to a thickness of 10 cm covered by a layer of granular ‘A’ (gravel) deep enough to stabilize 2 cm thick plywood. This will help prevent the compaction of soil surrounding the trees’ fine feeding roots.

Excavation & Root Pruning:

Excavation shall not take place within the CRZ. Instead, directional micro-tunnelling and boring shall be employed. When excavation must take place outside of the CRZ, a trench shall be carefully dug either by hand or with hydraulic or pneumatic air excavation technology. After the trench is established, a backhoe or other equipment stationed outside

TREE CONSERVATION REPORT

FOR PROPOSED 1003 PRINCE OF WALES DRIVE PLANNED UNIT RESIDENTIAL DEVELOPMENT

4

May 2013

of the CRZ may be used to complete the work. If roots are encountered while trenching outside the CRZ, they shall be cleanly cut with either pruning shears or a saw wiped with alcohol before each cut.

Treatment of Exposed Roots:

If tree roots are exposed during construction, they shall be reburied immediately with soil or covered temporarily with burlap, filter cloth or woodchips and kept moist (i.e. watering with a soft-spray nozzle at least three times a week). A covering of plastic shall be used to facilitate moisture retention during an extended period when watering may not be possible (i.e. over weekends).

Fertilization:

Fertilizing the trees with a liquid, deep root, slow release fertilizer is recommended only after the completion of all construction.

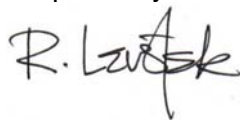
Retaining Walls/ Tree Wells:

Avoid changes in grade close to trees to be retained. Where grade changes cannot be avoided, the installation of retaining walls or tree wells shall be considered for tree preservation.

We trust the aforementioned and attachment(s) satisfy the guidelines for the City of Ottawa's Tree Conservation Report.

Should further clarification be required regarding the contents of this Report, please do not hesitate to contact the undersigned.

Prepared by:



Rudy Levstek, Principal, OALA, CSLA.

OALA, CSLA.

Larocque Levstek Consulting Services

5871 Hugh Crescent

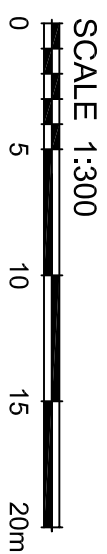
Ottawa ON K0A 2W0

(613) 826-0518

rlevstek@larocquelevstek.com

Attachment:

Tree Conservation Plan – TCP.1

[illegible]