



January 20, 2012

Phil Castro
Richcraft Group of Companies
2280 St. Laurent Blvd.
Ottawa, ON
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RE. TREE CONSERVATION REPORT - 159, 163, 167 PARKDALE AVENUE

Dear Phil,

As per your request this report details a pre-construction tree conservation report for the above-noted properties in Ottawa. Presently there are nine individual trees and a grouping (line) of trees which will be impacted by the proposed construction. All of these trees will be removed prior to the start of construction as the restricted size of the site in relation to the proposed development makes their retention impossible.

TREE INVENTORY

Table 1 below details the species, size and condition of the trees presently on the property.

Table 1. Tree Species, Diameter and Condition of trees located at 159, 163, 167 Parkdale Ave.

Tree #	Species	Diameter (cm)	Comments
1	Manitoba maple (<i>Acer negundo</i>)	12 avg.	Fair condition; double-stemmed from grade; naturalized, invasive species; to be removed due to impacts of construction
2	Red ash (<i>Fraxinus pennsylvanica</i>)	22.7	Good condition; single stemmed-good growth form; prone to Emerald ash borer; too large to be transplanted; to be removed due to impacts of construction
3	Siberian elm (<i>Ulmus pumila</i>)	18.4, 21.7, 12.6, 19.9, 21.8, 20 avg., 20.9, 36.2	Poor to fair condition; eight trees in total; majority are growing on angles due to competition for sunlight & heavy pruning by Hydro; naturalized, invasive species; to be removed due to impacts of construction
4	White elm (<i>Ulmus americana</i>)	26.4	Good condition; maturing tree; growing against fence; crown extends over adjacent roofs; to be removed due to impacts of construction



5	White elm	15.3	Good condition; juvenile tree; good growth form; to be removed due to impacts of construction
6	White elm	20 avg.	Fair condition; double-stemmed at 0.7m; heavily pruned by Hydro; maturing tree; growing into chain link fence; to be removed due to impacts of construction
7	Juniper (<i>Juniperus spp.</i>)	11.5	Fair condition; growing within very restricted rooting area-cannot be transplanted; to be removed due to impacts of construction
8	Juniper	6.2	Very poor condition-heavily crown raised in past; to be removed due to impacts of construction
9	Juniper	6.1	Very poor condition-heavily crown raised in past; to be removed due to impacts of construction
10	Colorado blue spruce (<i>Picea pungens</i>)	28.4	Good condition; too large to be transplanted; shaded by Norway maple on adjacent property; to be removed due to impacts of construction

The following three pictures show most of the trees located at 159, 163, 167 Parkdale Avenue.



Picture 1. Line of Siberian elm trees beside 167 Parkdale Avenue.



Picture 2. White elm and juniper trees located in front of 163 and 167 Parkdale Avenue.



Picture 3. Colorado blue spruce tree in front of 159 Parkdale Avenue.

PROTECTION MEASURES

The following measures are recommended by the City of Ottawa to ensure tree survival during construction. Since no trees will remain on the subject property these are intended for any trees on adjacent properties. These measures should be implemented prior to the start of site works and maintained for the duration of construction:

- Under the guidance of an arborist, erect a fence at the critical root zone (CRZ)¹ of the tree;
- 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 or any tree;
- Ensure that exhaust fumes from all equipment are NOT directed towards any tree 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 if you have any questions concerning this Tree Conservation Report.

Yours,

Andrew Boyd

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Consulting Urban Forester