



**FOR APPROVAL ONLY**

no.	date	revision
3.	JUNE 2/23	RE-ISSUE FOR SPA (2)
North Arrow		
Stamp		Stamp

Contractor shall check and verify all dimensions on site and report all errors and/or omissions to the Consultant.  
 Work to be done in accordance with all applicable codes and by-laws.  
 Do not scale Drawing.  
 This Drawing shall not be used for construction until signed by the Consultant.  
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Client

Project  
**ORLEANS EXTENDICARE**  
**1045 NOELLA LECLAIR**

Drawing Title  
**TREE CONSERVATION PLAN / REPORT**

Drawn  
**MGB**

Date  
**JAN 2023**

Drawing No.  
**TCP.01**

Scale  
**1:250**

Project No.  
**1217**

**TREE CONSERVATION PLAN / REPORT**  
 FOR PROPOSED 1045 NOELLA LECLAIR DEVELOPMENT

**INTRODUCTION**  
 This Report has been prepared in support of a Site Plan Control Application to illustrate the interaction with the existing trees, both on and the surrounding subject site, relative to the proposed development.

**EXISTING TREE INVENTORY**  
 An inventory of existing trees, having a caliper of 10cm or greater as measured 1.4m from existing grade, subject to this application, was conducted on May 30, 2023. Locates provided by Stantec Geomatics Ltd, Land Surveyors, dated Feb. 16, 2023.

**TREE SPECIES AT RISK**  
 No Tree Species at Risk, as identified under the Province of Ontario Endangered Species Act (ESA) were observed on subject property or within 25m of adjacent lands.

**MITIGATIVE MEASURES**  
 The following measures are recommended to promote survival for trees to be retained:  
**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 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.

**WILDLIFE PROTOCOL**  
 No tree removal shall occur between April 15 and August 15, unless a qualified wildlife biologist has determined that no bird nesting is occurring within 5 days prior to removal.

**PROPOSED LANDSCAPE**  
 New coniferous and deciduous trees, shrubs, perennials and ornamental grasses planting are proposed on Landscape Plan prepared for this project which will offset the vegetation loss and complement the design of the development.

**SCHEDULE OF EXISTING TREES**  
 (Inventory conducted May 30, 2023)

CODE	SPECIES	CONDITION	DBH <sup>1</sup> (cm)	OWNERSHIP	ACTION NOTES
1	<i>Acer rubrum 'Columnare'</i> (Columnar Red Maple)	Good	20	Neighbour	Protect / <b>RETAIN</b>
2	<i>Acer rubrum 'Columnare'</i> (Columnar Red Maple)	Good	20	Neighbour	Protect / <b>RETAIN</b>
3	<i>Acer rubrum 'Columnare'</i> (Columnar Red Maple)	Good	20	Neighbour	Protect / <b>RETAIN</b>
4	<i>Acer rubrum 'Columnare'</i> (Columnar Red Maple)	Good	20	Neighbour	Protect / <b>RETAIN</b>
5	<i>Acer rubrum 'Columnare'</i> (Columnar Red Maple)	Good	20	Neighbour	Protect / <b>RETAIN</b>
6	<i>Crataegus</i> (Hawthorn)	Good (multi-stem)	20	Private	Development conflict / <b>REMOVE</b>
7	<i>Ulmus</i> (Elm)	Good	45	Private	Development conflict / <b>REMOVE</b>
8	<i>Ulmus</i> (Elm)	Good	50	Private	Development conflict / <b>REMOVE</b>
9	<i>Ulmus</i> (Elm)	Good	70	Private	Development conflict / <b>REMOVE</b>
10	<i>Ulmus</i> (Elm)	Dead		Private	Succumbed to DED / Development conflict <b>REMOVE</b>
11	<i>Ulmus</i> (Elm)	Dead		Private	Succumbed to DED / Development conflict <b>REMOVE</b>
12	<i>Ulmus</i> (Elm)	Dead		Private	Succumbed to DED / Development conflict <b>REMOVE</b>
13	<i>Crataegus</i> (Hawthorn)	Good (multi-stem)	20	Private	Development conflict / <b>REMOVE</b>
14	<i>Ulmus</i> (Elm)	Dead		Private	Succumbed to DED / Development conflict <b>REMOVE</b>
15	<i>Crataegus</i> (Hawthorn)	Good (multi-stem)	15	Private	Development conflict / <b>REMOVE</b>
16	<i>Ulmus</i> (Elm)	Dead		Private	Succumbed to DED / <b>REMOVE</b>
17	<i>Crataegus</i> (Hawthorn)	Good (multi-stem)	10-30	Private	Development conflict / <b>REMOVE</b>
18	<i>Ulmus</i> (Elm)	Dead		Private	Succumbed to DED / Development conflict <b>REMOVE</b>
19	<i>Fraxinus</i> (Ash)	Dead		Private	Succumbed to EAB / Development conflict <b>REMOVE</b>
20	<i>Fraxinus</i> (Ash); <i>Crataegus</i> (Hawthorn)	Ash poor; Hawthorn good.	10-15	Private	Development conflict / <b>REMOVE</b>
21	<i>Fraxinus</i> (Ash)	Poor	30	Private	Development conflict / <b>REMOVE</b>
22	<i>Fraxinus</i> (Ash); <i>Crataegus</i> (Hawthorn)	Ash poor; Hawthorn good.	10-15	Private	Development conflict / <b>REMOVE</b>

<sup>1</sup> DBH Diameter at breast height, or 1.4m from grade (unless otherwise noted).

**APPROVED**  
 By Adam Brown at 1:05 pm, Aug 10, 2023

*Adam Brown*

**ADAM BROWN**  
 MANAGER, DEVELOPMENT REVIEW - RURAL  
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