

- TREE PROTECTION**
- The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
  - Under the guidance of a Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees. Diameter at breast height (DBH) is the trunk diameter measured at 1.3m height on the tree trunk. The CRZ is calculated as DBH x 10. Refer to the Tree Protection Fence detail.
  - Refer to the Tree Protection Plan for fence location. City Forestry Staff are to approve both the plan and the installed fence prior to work commencement.
  - Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.
  - Do not attach any signs, notices, or posters to any tree.
  - Do not disturb, raise, or lower the existing grade within the CRZ without approval.
  - Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ, absolutely no machinery permitted.
  - Do not damage the root system, trunk, or branches, or any tree.
  - Do not extend hard surface or significantly change landscaping.
  - Ensure that exhaust fumes from all equipment are directed away from any tree canopy.
  - When trees marked for removal overlap with the CRZ of trees marked for preservation: cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the ground within the CRZ.
  - Prior to work taking place, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection, Excavation of Root Zone.
  - If damaged or objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown.
  - Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape Architect.
  - The Landscape Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures prior to fence movement.
  - City of Ottawa By-law: Protects municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

**GENERAL**

- Read and interpret this drawing/ drawing set in conjunction with all the contract details and specifications, including related civil, utility, structural, architectural, mechanical, electrical, environmental, geotechnical, and survey information.
- The Contractor is to determine the exact location, size, material, and elevation of all existing utilities prior to commencing construction. Protect and assume responsibility for all existing utilities regardless of being shown on the drawings.
- It is essential to use the plans and details in conjunction with the specifications and notes.
- Do not scale drawings. Work to dimensions only.
- Protect all existing and retained vegetation for the duration of construction according to the contract details and specifications.
- Reinstate all areas and items damaged or disturbed, beyond the Limit of Work, because of construction activities, including but not limited to construction staging areas; haul roads; stockpile areas, etc. to the satisfaction of the Consultant. Unless otherwise noted, Contractor is to reinstate all areas to pre-construction condition or better to the satisfaction of the Contract Administrator.

**Legend**

G	Good	Conflict	Remove due to conflict with construction.
F	Fair	Remove	Remove due to tree health or invasive status.
P	Poor	PROTECT	Protect trees as per contract details and specifications.
VP	Very Poor		

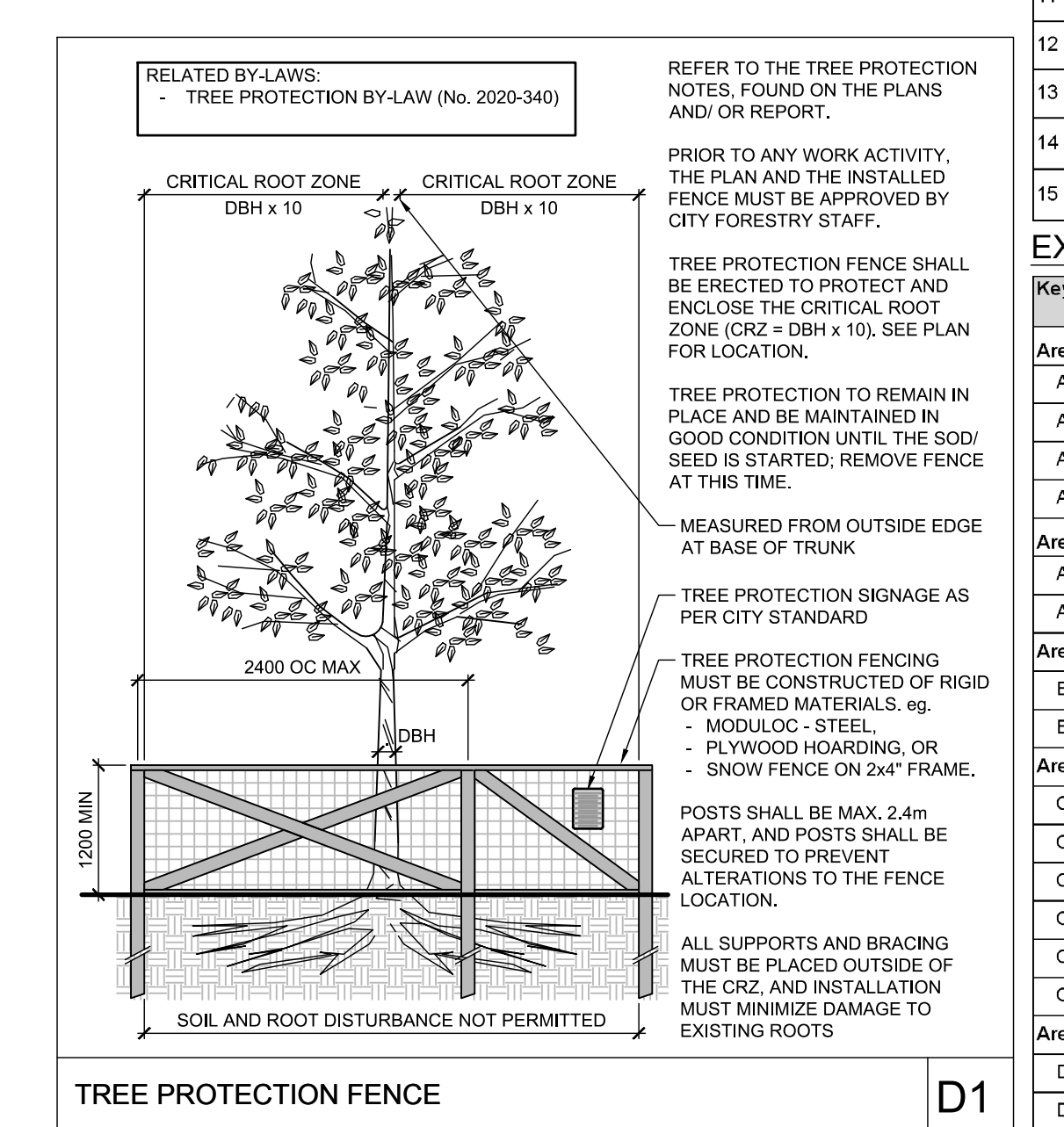
**EXISTING TREE INVENTORY - SINGLES**

NOTE: INDIVIDUAL TREE LOCATIONS ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED ON SITE.

Key	Botanical Name	Common Name	DBH (cm)	CRZ (m)	Condition	Owner	Remarks	Recomm.
1	<i>Acer rubrum</i>	Red Maple	45.0	4.50	F	Neighbor	Bare. Low vigor and several small cavities	PROTECT
2	<i>Picea glauca</i>	White Spruce	21.0	2.10	G	Neighbor	Mechanical damage	PROTECT
3	<i>Picea glauca</i>	White Spruce	35.0	3.50	F	Neighbor	Lean	PROTECT
4	<i>Picea glauca</i>	White Spruce	0.0	0.00	VP	Neighbor	Dead standing	PROTECT
5	<i>Larix laricina</i>	Tamarack	36.0	3.60	G	Neighbor	None	PROTECT
6	<i>Picea glauca</i>	White Spruce	34.0	3.40	VP	Neighbor	Tree topped at 5meters	PROTECT
7	<i>Thuja occidentalis</i>	Eastern White Cedar	16.0	1.60	P	Neighbor	One sided, nearly dead	PROTECT
8	<i>Pinus strobus</i>	Eastern White Pine	39.0	3.90	P	Neighbor	One stem dead	PROTECT
9	<i>Acer rubrum</i>	Red Maple	12.0	1.20	P	Neighbor	Target carker	PROTECT
10	<i>Acer negundo</i>	Manitoba Maple	48.0	4.80	VP	Neighbor	Multiple large wounds, internat rot	PROTECT
11	<i>Populus deltoides</i>	Eastern Cottonwood	17.0	1.70	G	Neighbor	None	PROTECT
12	<i>Populus deltoides</i>	Eastern Cottonwood	28.0	2.80	G	Neighbor	None	PROTECT
13	<i>Malus spp</i>	Crab Apple	19.0	1.90	VP	Neighbor	Granular placed on roots	PROTECT
14	<i>Acer negundo</i>	Manitoba Maple	27.0	2.70	VP	Neighbor	Spiral seam cavity. Mechanical damage. Granular placed on roots	PROTECT
15	<i>Acer saccharum</i>	Sugar Maple	55.0	5.50	P	Client	One sided, black bark, grass growing out of a cavity near a large branch union	Conflict

**EXISTING TREE INVENTORY - GROUPS**

Key	Botanical Name	Common Name	% Compos	DBH Min-Max	DBH Avg	Owner	Remarks	Recomm.
<b>Area A - Trees</b>								
A	<i>Acer saccharum</i>	Sugar Maple	5%	95 - 80	57.50	Client		Conflict
A	<i>Fraxinus americana</i>	White Ash	10%	40 - 50	45.00	Client		Conflict
A	<i>Populus deltoides</i>	Eastern Cottonwood	80%	15 - 10.00	Client			Conflict
A	<i>Juglans nigra</i>	Black Walnut	5%	40 - 50 - 45.00	Client			Conflict
<b>Area A - Understorey</b>								
A	<i>Rhamnus cathartica</i>	European Buckthorn	10%	5.00	5.00	Client		Conflict
A	<i>Rhus typhina</i>	Staghorn Sumac	85%	5.00	5.00	Client		Conflict
<b>Area B</b>								
B	<i>Rhamnus cathartica</i>	European Buckthorn	10%	5.00	5.00	Client		Conflict
B	<i>Rhus typhina</i>	Staghorn Sumac	85%	5.00	5.00	Client		Conflict
<b>Area C</b>								
C	<i>Acer rubrum</i>	Red Maple	5%	95 - 60	57.50	Client		Conflict
C	<i>Acer saccharum</i>	Sugar Maple	5%	95 - 60	57.50	Client		Conflict
C	<i>Betula papyrifera</i>	Paper Birch	85%	10 - 10.00	Client			Conflict
C	<i>Cornus alternifolia</i>	Pagoda Dogwood	5%	5 - 5.00	Client			Conflict
C	<i>Pinus strobus</i>	Eastern White Pine	15%	30 - 40	36.00	Client		Conflict
C	<i>Salix sp.</i>	Willow	5%	15.00	15.00	Client		Conflict
<b>Area D</b>								
D	<i>Betula papyrifera</i>	Paper Birch	40%	10.00	10.00	Client/Neighbor		PROTECT
D	<i>Populus deltoides</i>	Eastern Cottonwood	60%	15.00	15.00	Client/Neighbor		PROTECT

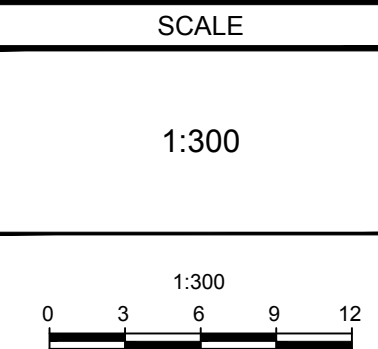


NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

**NOT FOR CONSTRUCTION**

**OWNER INFORMATION**  
262576 ONTARIO INC.  
231 BRITANNY DRIVE, SUITE D  
OTTAWA, ONTARIO, K1K 0R8  
LALIT AGGARWAL  
PHONE: (613)-746-1647  
lsa@manorparkcp.com

No.	REVISION	DATE	BY
4.	REVISED PER CITY COMMENTS	JUL 11/24	RJ
3.	REVISED PER CITY COMMENTS	FEB 28/24	RJ
2.	REVISED PER CITY COMMENTS	JUNE 13/23	RJ
1.	ISSUED FOR SITE PLAN CONTROL	JUNE 13/23	RJ



**FOR REVIEW ONLY**

DESIGN	RI
CHECKED	MT
DRAWN	RI
CHECKED	MT
APPROVED	RJ



LOCATION  
CITY OF OTTAWA  
3317 NAVAN ROAD

DRAWING NAME  
**TREE CONSERVATION REPORT**

PROJECT No: 118076  
REV: # 4  
DRAWING No: 118076-TCR

D07-12-23-0085