



General Note:
 Prior to the commencement of any site activity the tree protection barriers specified on this plan must be installed and written notice provided to Urban Forestry. The tree protection barriers must remain in effective condition until all site activities including landscaping are complete. Where required, signs as specified in the Arborist Report "Tree Protection Zone" must be attached to all sides of the barrier. Written notice must be provided to Urban Forestry prior to the removal of the tree protection barriers.

ARBORICULTURAL WORK:
 Any roots or branches which extend beyond TPZ indicated on this plan which require pruning, must be pruned by a qualified Arborist or other tree professional as approved by Urban Forestry. All pruning of tree roots and branches must be in accordance with good arboricultural standards. Roots located outside the TPZ that have received approval from Urban Forestry to be pruned must first be exposed by hand digging or by using a low pressure hydro vac method. This will allow a proper pruning cut and minimize rearing of the roots. The Arborist/tree professional retained to carry out crown or root pruning must contact Urban Forestry no less than 48 hours prior to conducting any specified work.

THE TREE PROTECTION ZONE:
 The following chart is showing minimum required distances for determining a Tree Protection Zone (TPZ) for City-owned trees located on a City Street, in parks and trees on private property subject to either the Ravine and Natural Feature Protection By-law or the Private Tree By-law. Some trees and some sites conditions may require a larger TPZ.

Table 1 - Tree Protection Zones:

Trunk Diameter DBH*	Minimum Protection Distances Required**	
	City-owned and Private Trees	Trees in Areas Protected by the Ravine and Natural Feature Protection By-law Whichever of the two is greater:
<10cm	1.8m	The drip line***for 1.2m
10-30cm	2.4m	The drip line or 3.6m
31-50cm	3.0m	The drip line or 4.8m
51-60cm	3.6m	The drip line or 6.0m
61-70cm	4.2m	The drip line or 8.4m
71-80cm	4.8m	The drip line or 9.6m
81-90cm	5.4m	The drip line or 10.8m
91-100cm	6.0m	The drip line or 12.0m

- For trees over 100 cm. DBH, add 10cm. to the TPZ for every one centimeter of DBH.
- Roots can extend from the trunk to 2-3 times the distance of the drip line (See Detail 3, TP-2)
- Diameter at breast height (DBH) measurement of tree trunk taken at 1.37 metres above ground.
- Tree Protection Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work.

*Diameter at breast height (DBH) measurement of tree trunk taken at 1.4 metres above the ground.
 ** Tree Protection Zone distances are to be measured from the outside edge of the tree base.
 *** Diameter (30cm) at which the trees qualify for protection under the private tree by-law.
 **** The drip line is defined as the area beneath the outer most branch tips of the tree.
 ***** Converted from ISA Arborists' Certification Study Guide, general guideline for tree protection barriers of 1 foot of diameter from the stem for each inch of stem diameter.

- Within a TPZ there must be:
- no construction;
 - no altering of grade by adding fill, excavating, trenching, scraping, dumping or disturbance of any kind;
 - no storage of construction materials, equipment, soil, construction waste or debris;
 - no disposal of any liquids e.g. concrete slush, gas, oil, paint;
 - no movement of vehicles, equipment, or pedestrians;
 - no parking of vehicles or machinery;
 - directional micro-tunneling and boring may be permitted with the limits of a TPZ subject to approval by Urban Forestry;
 - open face cuts outside a TPZ that are consistent with an approved plan and that require root pruning, require the services of a qualified arborist or approved tree professional. An exploratory dig, either by hand or using low water pressure hydro vac method, must be completed prior to commencing with open face cuts outside the TPZ.

The above mentioned requirements are for area(s) designated as a TPZ. These requirements should also be implemented outside the TPZ in areas where tree roots are located. The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the dripline.

Tree Protection Specifications

LEGEND

- CONIFEROUS TREE - TO BE RETAINED
- DECIDUOUS TREE - TO BE RETAINED
- CONIFEROUS TREE - TO BE REMOVED
- DECIDUOUS TREE - TO BE REMOVED
- TREE IDENTIFICATION KEY TREE TO BE RETAINED
- TREE IDENTIFICATION KEY TREE TO BE REMOVED
- TREE IDENTIFICATION KEY TREE REMOVED PRIOR TO CONSTRUCTION
- TREE PROTECTION ZONE PER TOWN OF OAKVILLE STANDARDS.

- General Notes**
- Do not scale the drawings. All dimensions are in millimetres unless noted otherwise.
 - This drawing is to be read in conjunction with the site plan and architectural drawings prepared by the Architect, and engineering drawings prepared by the Civil, Mechanical, and Electrical Engineers.
 - The tree inventory includes assessment of all on site trees. The trees have been assessed based on species, size and condition.
 - The contractor is to have required Municipality Tree Removal Permits in hand prior to the removal of any trees.
 - The contractor shall check and verify all existing and proposed grading and conditions on the project and immediately report any discrepancies to the consultant before proceeding with any removals.
 - The contractor is to be aware of all existing and proposed services and utilities. The contractor is responsible for having all underground services and utility lines staked by each agency having jurisdiction prior to commencing work.
 - This drawing is to be used for development approval only.
 - Do not leave any holes open overnight.
 - Keep area outside construction zone clean and useable by others at all times. Contractor shall thoroughly clean areas surrounding the construction zone at the end of each work day.
 - Contractor to make good any and all damages outside of the development area that may occur as a result of tree removals at no extra cost.
 - This drawing is Copyright MHBC, 2020.

Revision No.	Date	Issued / Revision	By
3	NOVEMBER 11, 2020	ISSUED FOR REVIEW	CC
2	AUGUST 19, 2019	ISSUED FOR SPA	CC
1	JULY 29, 2019	ISSUED FOR SPA	CC

PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
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Stamp:
 Issued for SPA ONLY NOT FOR CONSTRUCTION

Date: May 2017
 Drawn By: DC
 Plan Scale: 1:300
 File No.: 11161E
 Checked By: NM/JD
 Other:

Project: 3171 Lakeshore Rd W
 OAKVILLE, ONTARIO

File Name: TREE INVENTORY, PRESERVATION AND REMOVALS PLAN
 Dwg No.: TI-1

1 Tree Inventory, Preservation, and Removals Plan
 Scale 1:300