

GENERAL

- The Tree Management/Preservation Plan is to be read in conjunction with the associated Arborist Report prepared by IBI Group and shall not be utilized as a standalone document.
- All existing trees at property boundaries and on adjacent properties shall be preserved and protected. Where trees which are located at shared property boundaries or on adjacent properties are identified by this plan to sustain injury or require removal, the Owner of the adjacent property's written permission is required prior to any construction or removals works commence.

TREE PROTECTION FENCING

- The Contractor shall install Tree Protection Fencing (TPF) to protect trees identified for preservation.
- All TPF will conform with the detail(s) included on these plans. Where current governing Municipal/City standards differ, contact Project Arborist or Contract Administrator for direction.
- No substitutions of materials, products or quantities will be accepted without the prior written permission of the Project Arborist.
- Upon installation of the TPF, the Contractor shall contact the Project Arborist to review and approve the fencing and location(s) in writing prior to commencement of any site work.
- The TPF shall remain in the approved locations throughout the duration of the site works and shall not be moved at any time to accommodate construction or site work.
- The Contractor shall inspect TPF weekly and maintain as required through all stages of development/construction. The TPF shall be removed at the completion of all site works and disturbed areas shall be restored to original condition.

TREE PRESERVATION

- The Tree Protection Zone (TPZ) is protected and delineated by the TPF. The Contractor is not to proceed in uncertainty.
- Any potential or incurred injury/damage to adjacent tree(s) identified to be preserved shall be immediately reported to the Project Arborist and reviewed on site. Injury/damage includes any required arboricultural treatment including but not limited to: limb pruning, trunk damage, root exposure or required cutting/removal or any other activity that has the potential to harm the tree.
- The TPZ is not to be used for any type of storage including materials, equipment or stockpiles.
- No trenching or tunneling for underground services shall occur within the TPZ.
- Any equipment use within the TPZ will be restricted throughout all stages of development. This applies to TPZs within or outside of the project limit line.
- Absolutely no alteration of grades or construction activity is permitted within the TPF and TPZ. Absolutely no flushing of contaminants shall be permitted towards or within the TPZ.
- When working adjacent to trees to be preserved site preparation measures such as pruning for overhead clearance may be required. Preparatory pruning shall only be performed when completed by or under the direct supervision of an ISA Certified Arborist (or approved qualified person as approved by the Project Arborist).
- All pruning work shall be performed by a qualified individual and shall be in accordance with current horticultural practices including but not limited to:
 - Pruning cuts shall be made just beyond the branch collar and should be limited to thinning cuts. Heading cuts will only be accepted in specific cases as directed by an arborist and should be avoided where possible.
 - Pruning of all stems greater than 50 mm in diameter should be made with a three-cut method to avoid tearing living bark tissue.
 - No wound dressings shall be applied.
- Where soil excavation/grading work is required within the rooting zone of a tree to be preserved (the rooting zone often extends beyond the identified TPZ and can be 3 times the dripline radius or more):
 - Roots shall be clearly severed before stripping and removing soil to avoid damage to the tree and the root system. Roots to be cut using appropriate equipment (i.e. trencher adapted to this specific use/chainsaw/root pruning machine). Roots may be severed using the clean edge of a straight excavator bucket under supervision of an ISA Certified Arborist.
 - No attempts to cut existing roots with the digging bucket of any heavy machinery will be permitted as it can cause the roots to tear and pull and be harmful to root regeneration and recovery.
 - Any exposed roots of a tree to be preserved with a diameter greater than 2.5cm (1 inch) shall be pruned back to the soil face.
 - An excavation area within the TPZ shall be backfilled immediately and/or roots shall be kept constantly moist with burlap covered with white plastic and checked a minimum of 2 times a day, for a maximum of 48 hours. If roots are to be exposed for a period greater than 48 hours, the exposed area shall be covered with a minimum of 150 mm (6 inches) of mulch and maintained in a moist condition during construction until the area can be properly backfilled.
- Trees shall not have any rigging cables, fencing, signage or hardware of any sort attached or wrapped around them.
- No contaminants or toxic materials shall be dumped or flushed where they may come into contact with the feeder roots of trees to be preserved.
- The Contractor will be held responsible for all avoidable damage to preserved trees during all stages of construction.
- Watering or other maintenance of trees to be preserved may be required if construction activities are observed to be causing stress or impacting health as determined by the Project Arborist.

TREE REMOVALS

- Prior to the commencement of tree removals, all trees designated for removal must be clearly identified in the field.
- Where possible, removals, chipping, and/or brush removal is to be completed outside the window of April 1 to August 31. This window accounts for active bird nesting and bat maternity roosting periods. Where removals must occur within the restricted activity window, nest and roosting habitat assessments to protect species protected under the Migratory Birds Convention Act, 1994 and Endangered Species Act, 2007. These surveys must be completed by a qualified biologist or ornithologist.
- Trees shall always be felled away from adjacent preserved trees to prevent avoidable damage to the crowns and stems

TREE INVENTORY TABLE

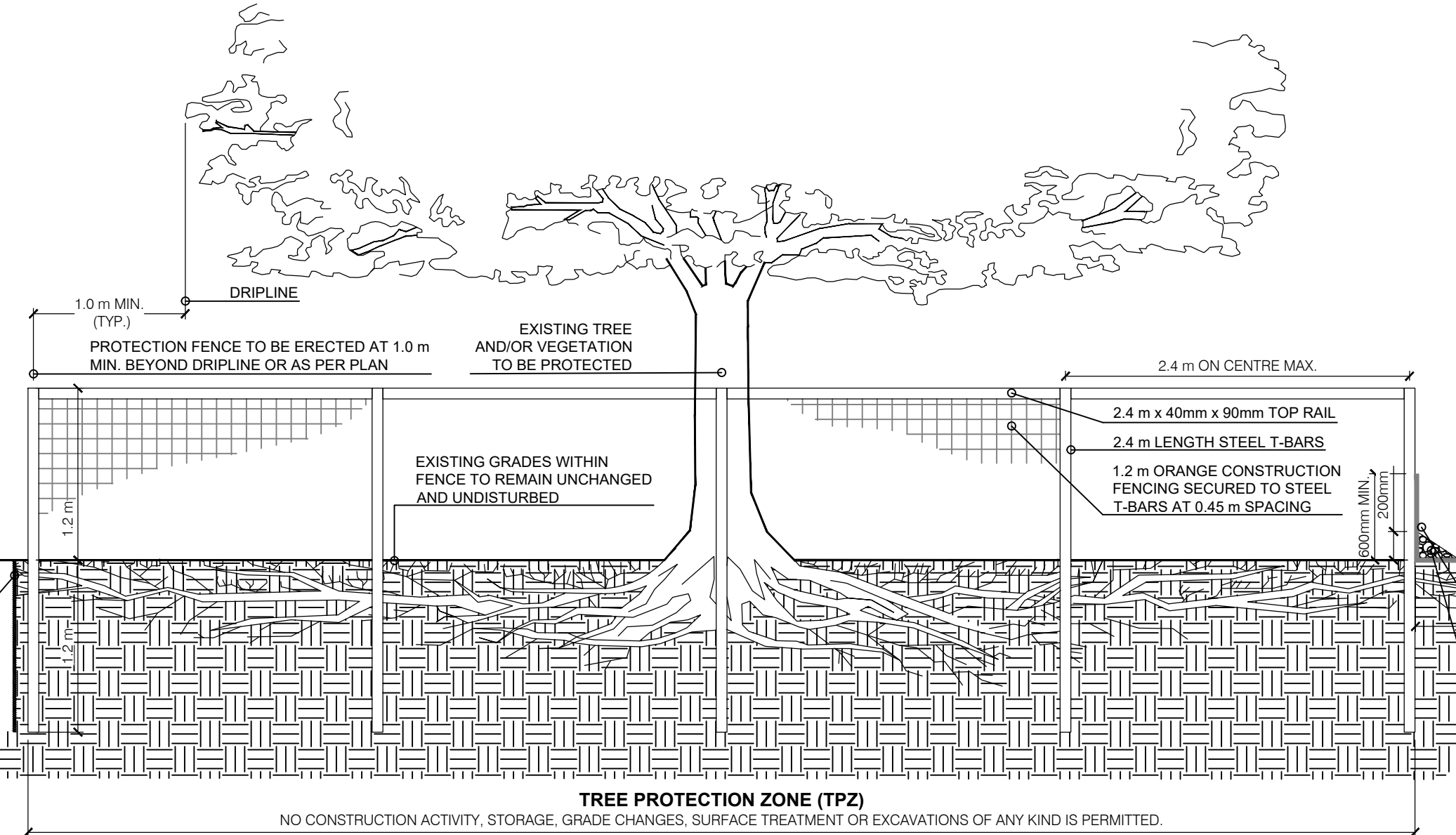
Tag #	Species	Common Name	Diameter at Breast Height (DBH) cm or range (cm)	Drip Line Radius (m)	Condition	Recommended Action	Notes
1	<i>Quercus rubra</i>	Northern Red Oak	10	1.0	Very Good	Preserve and Protect	
2	<i>Quercus rubra</i>	Northern Red Oak	10	1.0	Very Good	Remove	
3	<i>Quercus rubra</i>	Northern Red Oak	10	2.5	Very Good	Remove	
4	<i>Quercus rubra</i>	Northern Red Oak	11	1.5	Excellent	Remove	
5	<i>Picea glauca</i>	Ivory Silk Lilac	10	1.5	Excellent	Preserve and Protect	
6	<i>Picea glauca</i>	White Spruce	10	1.0	Very Good	Preserve and Protect	
7	<i>Picea glauca</i>	White Spruce	10	1.3	Very Good	Preserve and Protect	
8	<i>Picea glauca</i>	White Spruce	10	1.3	Excellent	Preserve and Protect	
9	<i>Picea glauca</i>	White Spruce	11	1.1	Very Good	Preserve and Protect	
10	<i>Picea glauca</i>	White Spruce	11	1.2	Very Good	Preserve and Protect	
11	<i>Picea glauca</i>	White Spruce	11	0.9	Excellent	Remove	
12	<i>Picea glauca</i>	White Spruce	12	1.0	Very Good	Preserve and Protect	

NOTES:

- ATTACHMENT OF FENCE TO TREES WILL NOT BE PERMITTED.
- ANY ROOTS EXPOSED IN CONSTRUCTION AREA ARE TO BE HAND PRUNED USING PROPER ARBORICULTURAL PRACTICES.
- UNDER NO CIRCUMSTANCES SHALL ANY CONSTRUCTION MATERIALS, EQUIPMENT OR VEHICLES BE PLACED WITHIN THE TREE PROTECTION ZONE.
- ALL TREE PROTECTION TO BE ERRECT PRIOR TO ANY CONSTRUCTION ACTIVITY AND REMAIN IN PLACE UNTIL ALL CONSTRUCTION HAS BEEN COMPLETED. TREE PROTECTION FENCING TO BE REVIEWED AND APPROVED BY THE PROJECT ARBORIST PRIOR TO THE START OF ANY CONSTRUCTION. OBTAIN WRITTEN APPROVAL FROM CONTRACT ADMINISTRATOR PRIOR TO REMOVAL OF FENCING.
- ALL TREE PROTECTION FENCING SHALL BE REMOVED PRIOR TO PROJECT FINAL ACCEPTANCE.

PRUNE ANY ROOTS ENCOUNTERED DURING EXCAVATION BY GLEANLY SEVERING ROOTS PRIOR TO STRIPPING AND REMOVAL OF SOIL. ANY EXPOSED ROOTS <2.5cm SHALL BE PRUNED BACK TO SOIL FACE TO PREVENT FURTHER DAMAGE

EXCAVATED SUBGRADE (DEPTH VARIES)



1 TREE PROTECTION FENCE
TPP-1 N.T.S.

CLIENT
CHICK-FIL-A
BUILDING 17 333 HUNTMAR DRIVE,
KANATA, ONTARIO

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ISSUES

No.	DESCRIPTION	DATE
1	FOR CLIENT REVIEW	2023.03.14
2	ISSUED FOR SPA	2023.03.16

NOT FOR CONSTRUCTION

KEY PLAN
N.T.S.

LEGEND

- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- TREE TO BE PRESERVED
- TREE IDENTIFICATION TAGS
- TREE TO BE REMOVED
- TEMPORARY TREE PROTECTION FENCING

SEAL

SITE PLAN NUMBER

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PROJECT
CHICK-FIL-A
BUILDING 17 333 HUNTMAR DRIVE,
KANATA, ONTARIO

PROJECT NO: 141991
DRAWN BY: R.S.
PROJECT MGR: M.P.

CHECKED BY: M.P.
APPROVED BY: T.M.

SHEET TITLE
TREE PROTECTION PLAN

SHEET NUMBER TPP-1 **ISSUE** 2

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