

**A - 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.

**B - TREE PRESERVATION**

- The Tree Protection Zone (TPZ) is protected and delineated by the TPF or as otherwise defined on the City-approved Tree Preservation / Enhancement Plan. 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 contaminant 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 cleanly 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.

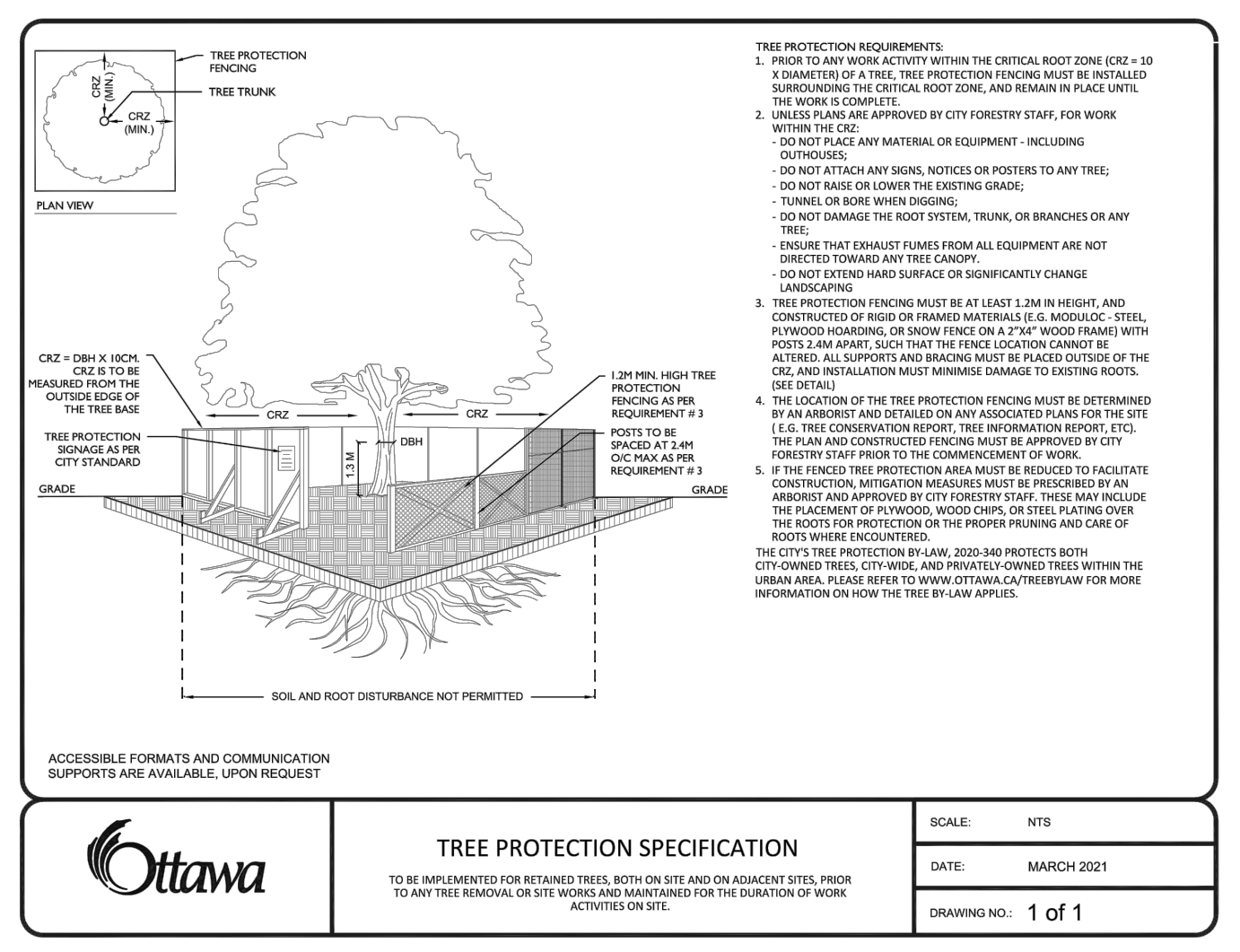
**C - TREE REMOVALS**

- 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 of migratory bird nesting season from April 1 to August 31. If removals are to occur within the restricted activity period, due diligence measures, including pre-clearing nest sweeps will be employed to reduce risk to nesting birds protected under the Migratory Birds Convention Act, 1994 and Migratory Birds Regulations. 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

**Table 1 - Tree Inventory Data**  
Data observed on July 29, 2021.

Tag #	Species	Common Name	Diameter at Breast Height (cm)	Drip Line Radius (m)	Condition			Overall Condition	Notes	Action	Confirming Ownership
					Trunk	Canopy	Vigour				
1	<i>Acer negundo</i>	Manitoba maple	50	4.5	F	P-F	F	Poor-Fair	Co-dominant stems located 1m from ground. 1m from ground on the east side of trunk has wound and showing callused edges. Weak union woods at formal branch locations; dead woods in canopy; pruning and cabling should be considered. Tree located on City of Ottawa property.	Protection to installed at property limits with reduced protection areas.	Private on adjoining site
2	<i>Acer negundo</i>	Manitoba maple	55	5	G	G	G	Good	Overhangs adjacent commercial parking lot. Dead wood in the canopy. Tree located on adjacent property.	Protection to installed at property limits with reduced protection areas.	Private on adjoining site
3	<i>Acer negundo</i>	Manitoba maple	20, 15, 17, 19, 21	2	F	F	F	Fair	Multi-stem union located from ground; weak union woods with rod at formal branch locations; dead woods in canopy; pruning and cabling required. Vine present at lower canopy.	Remove	Private on site
4	<i>Acer negundo</i>	Manitoba maple	70, 45, 17	6	P	F	G	Fair	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy. Pruning and cabling required. Extensive vines in canopy.	Remove	Private on site
5	<i>Acer platanoides</i>	Norway maple	21	2	G	G	G	Good	Good canopy; 2m from grade.	Preserve & Protect	Private on adjoining site
6	<i>Acer platanoides</i>	Norway maple	20	2	G	G	G	Good	Good canopy; 2m from grade.	Preserve & Protect	Private on adjoining site
7	<i>Ulmus pumila</i>	Siberian elm	35, 28	3	P-F	F	F	Fair	Co-dominant stems located from ground. Insects damage present on trunk.	Remove	Private on site
8	<i>Quercus rubra</i>	Red oak	23	2	G	G	G	Good	Overhangs adjacent commercial parking lot. Dead wood in the canopy. Insects damage present on trunk.	Remove	Private on site
9	<i>Acer ginnala</i>	Amur maple	16, 13, 12	2	F	F	F	Fair	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy. Pruning and cabling required. Extensive vines in canopy.	Remove	Private on site
10	<i>Acer ginnala</i>	Amur maple	10, 11	1.5	P	P	P	Poor-Fair	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy. Barks are falling off; less than 10% tree canopy.	Remove	Private on site
11	<i>Acer ginnala</i>	Amur maple	10, 11, 12, 11	2	P-F	F	F	Fair	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy. Pruning and cabling required. Extensive vines in canopy.	Remove	Private on site
12	<i>Acer ginnala</i>	Amur maple	10	1.5	P	P	P	Poor	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy. 45 degrees growing towards adjacent property. cracked bark in the canopy.	Remove	Private on site
13	<i>Acer ginnala</i>	Amur maple	15	2	P-F	F	F	Poor-Fair	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy. Pruning and cabling required. Extensive vines in canopy.	Remove	Private on site
14	<i>Acer ginnala</i>	Amur maple	28, 24	2	P	P	P-F	Poor	Co-dominant stems located less than 0.5m from ground. Dead wood present in canopy. Growing with the Amur maple closely.	Remove	Private on site
15	<i>Ulmus pumila</i>	Siberian elm	10	1.5	P	P	P	Poor	Co-dominant stems located from ground. Insects damage present on trunk. Growing with the Amur maple closely.	Remove	Private on site
16	<i>Ulmus pumila</i>	Siberian elm	10	1.5	P	P	P	Poor	Poor condition. Growing closely against wall.	Remove	Private on site
17	<i>Gleditsia triacanthos</i>	Honey locust	28	2.5	G	G	G	Good	Great canopy;	Remove	City owned
18	<i>Gleditsia triacanthos</i>	Honey locust	19	2	F	F	G	Fair-Good	Trunk is in good shape; dead wood in canopy;	Remove	City owned
19	<i>Gleditsia triacanthos</i>	Honey locust	20	2	F	F	G	Fair-Good	Trunk is in good shape; dead wood in canopy; Off subject property.	Preserve & Protect	Private on adjoining site
20	<i>Gleditsia triacanthos</i>	Honey locust	Less than 10		P	P	F	Poor-Fair	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy; Off subject property.	Preserve & Protect	Private on adjoining site
21	<i>Acer ginnala</i>	Amur maple	Less than 10		F	F	F	Fair	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy. Off subject property.	Preserve & Protect	Private on adjoining site
22	<i>Acer ginnala</i>	Amur maple	20, 18, 16	1.5	F	P-F	F	Fair	Multi-stem union located less than 0.5m from ground. Dead wood present in canopy. Leader has 60 degree jog. Epicormic growth in canopy. Off subject property.	Preserve & Protect	Private on adjoining site
23	<i>Acer ginnala</i>	Amur maple	15, 17, 18	1.5	F	F	G	Fair-Good	Dead wood present in canopy. Multi-stem union located less than 0.5m from ground. Off subject property.	Preserve & Protect	Private on adjoining site

Notes: <sup>1</sup> Per City Bylaw 124-18 "DBH" definition



WORK WITHIN THE TREE PROTECTION ZONE AND/OR WITHIN THE DRIFLINE OF TREES TO BE PRESERVED WILL BE UNDERTAKEN IN THE PRESENCE OF A CERTIFIED TREE PROFESSIONAL. SUITABLE MEASURES SUCH AS HYDROVAC SOIL EXCAVATION, TUNNELING AND ROOT PRUNING SHALL BE UNDERTAKEN UNDER THE GUIDANCE OF THE CERTIFIED PROFESSIONAL.

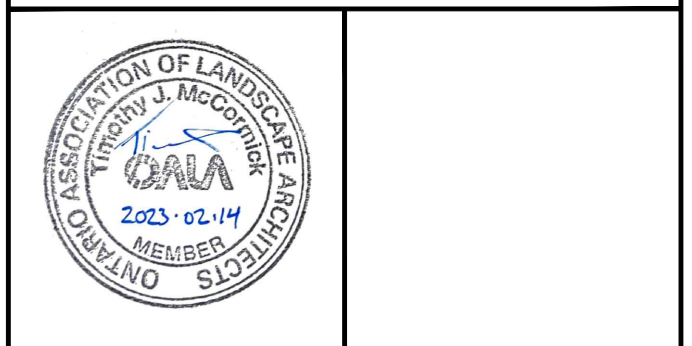
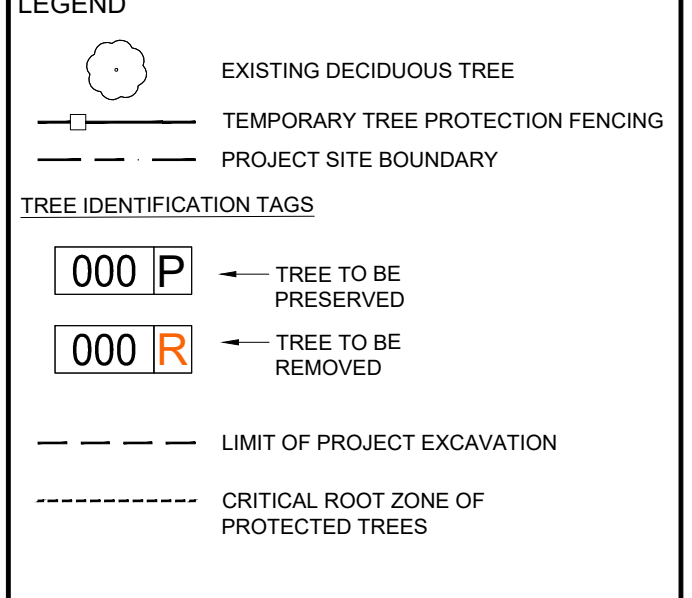
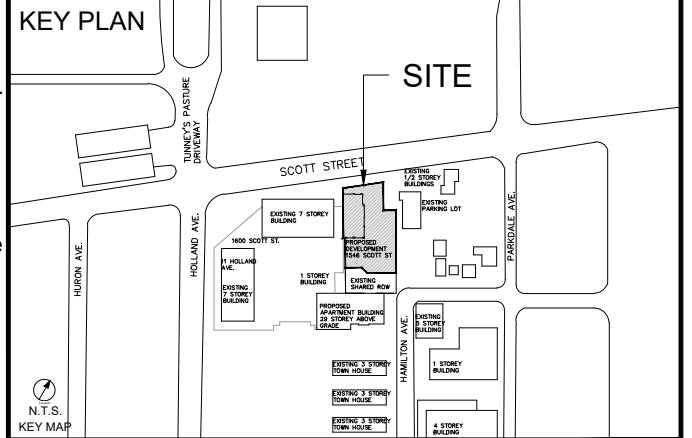


**COPYRIGHT**  
This drawing has been prepared solely for the intended use. Any reproduction or distribution for any purpose other than authorized by IBI Group is forbidden. IBI Group shall be held responsible for all dimensions and conditions on the job, and IBI Group shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to IBI Group for general conformance before proceeding with fabrication.

**IBI Group Professional Services (Canada) Inc.**  
is a member of the IBI Group of companies.

**ISSUES**

No.	DESCRIPTION	DATE
1	ISSUED FOR SITE PLAN APPROVAL	2022-08-10
2	ISSUED FOR SPA SUBMISSION	2023-02-14



**IBI GROUP**  
Suite 101 - 410 Albert Street  
Waterloo ON N2L 3V3 Canada  
Tel: 519 585 2255  
ibi@ibi.com

**PROJECT**  
1546 SCOTT STREET  
CITY OF OTTAWA

**PROJECT NO:** 132902  
**SCALE:** 1:200  
**DRAWN BY:** E.L.  
**CHECKED BY:** T.M.  
**PROJECT MGR:** M.P.  
**APPROVED BY:** T.M.

**SHEET TITLE**  
TREE PRESERVATION PLAN

**SHEET NUMBER** TPP-1  
**ISSUE** 2