

LEGEND

- EXISTING TREE TO REMAIN, SYMBOL SIZE REFLECTS CRZ
- EXISTING TREE TO REMOVE, SYMBOL SIZE REFLECTS CRZ
- TREE PROTECTION FENCE

TREE PROTECTION

Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:

1. The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
2. 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.
3. Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.
4. Do not attach any signs, notices, or posters to any tree.
5. Do not disturb, raise, or lower the existing grade within the CRZ without approval.
6. Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ; absolutely no machinery permitted.
7. Do not damage the root system, trunk, or branches, or any tree.
8. Do not extend hard surface or significantly change landscaping.
9. Ensure that exhaust fumes from all equipment are directed away from any tree canopy.
10. 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.
11. Prior to work taking place, notify and consult the Landscape Architect 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.
12. 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.
13. Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape Architect.
14. 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.
15. 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

1. 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.
2. 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.
3. It is essential to use the plans and details in conjunction with the specifications and notes.
4. Do not scale drawings. Work to dimensions only.
5. Protect all existing and retained vegetation for the duration of construction according to the contract details and specifications.
6. Reinstatement 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.

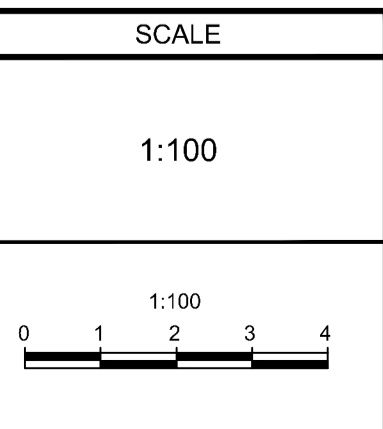
EXISTING TREE INVENTORY:

| No. | Botanical Name | Common Name | DBH (cm) | CRZ (m) | Condition | Owner | Remarks | Recomm. |
|-----|---------------------------|---------------------|----------|---------|-----------|-----------|--|----------|
| 1 | <i>Malus sp.</i> | Apple | 12.0 | 1.20 | P | Client | 45° Lean / Discoloured (Black) Bark / Severe dieback | Conflict |
| 2 | <i>Malus sp.</i> | Apple | 26.0 | 2.60 | P | Client | 45° Lean / Sweep / Internal rot | Conflict |
| 3 | <i>Malus sp.</i> | Apple | 34.0 | 3.40 | F | Client | Minor Dieback / Low vigour | Conflict |
| 4 | <i>Thuja occidentalis</i> | Eastern White Cedar | 37.0 | 3.70 | F | Neighbour | Low vigour / Large limb lost (30%+ of canopy) | PROTECT |
| 5 | <i>Acer negundo</i> | Manitoba Maple | 45.0 | 4.50 | G | Neighbour | Multi-stem | PROTECT |
| 6 | <i>Acer negundo</i> | Manitoba Maple | 18.0 | 1.80 | G | Neighbour | Multi-stem | 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

| No. | REVISION | DATE | BY |
|-----|---|-----------|-----|
| 1. | ISSUED FOR REZONING AND SITE PLAN CONTROL | JUNE 8/22 | RGJ |



| DESIGN | FOR REVIEW ONLY |
|----------|-----------------|
| MJT | |
| CHECKED | |
| RGJ | |
| DRAWN | |
| MJT | |
| CHECKED | |
| RGJ | |
| APPROVED | |
| RGJ | |

NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

| LOCATION | DRAWING NAME | PROJECT No. |
|-------------------------------------|------------------------|-------------|
| CITY OF OTTAWA 366 WINONA AVENUE | TREE CONSERVATION PLAN | 121143-00 |
| | | REV 1 |
| | | DRAWING No. |
| | | 121143-TCR |

M:\2021\121143\CAD\Landscaping\Plan\121143-4.dwg, TCR, Jun 08, 2022 - 2:23pm, mtrouhan