



LANDSCAPE LEGEND:

- PROPERTY LIMIT
- PROPOSED CONCRETE
- PROPOSED HEAVY DUTY CONCRETE
- OFF-SITE CONCRETE
- CLEAR STONE
- RIVER STONE
- PROPOSED MUP
- OFF-SITE MUP
- PROPOSED SEED
- PROPOSED SOD
- PROPOSED PLANTING AREA
- PROPOSED SHRUB PLANTING AREA
- RHUS TYPINA
- PROPOSED REFORESTATION
- EXISTING VEGETATION TO PROTECT
- PROPOSED TREE
- OFF-SITE EXISTING TREES TO PROTECT
- OFF-SITE FUTURE TREE
- EXISTING TREE TO PROTECT
- PROPOSED SHRUBS
- OFF-SITE SHRUBS
- SPECIES (SEE PLANT LIST)
- QUANTITY
- TREE PROTECTION FENCE
- PEDESTRIAN FENCE
- SECURITY FENCE
- RETAINING WALL
- PEDESTRIAN SHELTER
- BENCH
- NATURALIZATION MIX
- AREA

TREE PROTECTION

The following protection measures must be implemented for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Tree protection fence shall remain in place and be maintained in good condition for the duration of site works.

- The location of the tree protection fencing must be determined by an arborist and detailed on any associated plans for the site (eg. 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. Both the plan and the installed fence must be approved by City Forestry Staff 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 to be removed overlap with the CRZ of trees to be preserved, cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is no root pulling or disturbance of the ground within the CRZ.
- If roots must be cut, the Landscape Architect and City Forestry Staff must be notified and consulted prior to work taking place. 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 there appears to be damaged or objectionable branches, the Landscape Architect must be consulted before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown.
- If trees are being affected by site works, a water and fertilizing program will need to be set up to the satisfaction of the Landscape Architect.
- If the protected fenced area must be reduced to facilitate construction, mitigation measures must be prescribed by the Landscape Architect and approved by City Forestry Staff. These may include the placement of plywood, wood chips, or steel plating over the roots for protection.
- By-laws: All City-owned trees are protected under the Municipal Trees and Natural Areas Protection By-Law (2009-279). Within the urban area, privately-owned trees greater than 50cm diameter on lots 1ha in size or less, and trees greater than 10cm diameter on lots less than 1 ha are protected under the Urban Tree Conservation By-Law (2009-200).

PLANTING

- This drawing shall be read in conjunction with all relevant Architectural, Engineering, and related drawings and documents.
- Refer to Engineering Drawings for Grading. Provide drainage as indicated in grading plan. Round all tops and toes of slopes, smoothly. Compact all areas to 95% Standard Proctor Density unless otherwise noted.
- Refer to Architectural Drawings for site layout.
- Refer to Engineering Drawings for site servicing.
- Contractor must contact utility companies for locates prior to excavation or planting.
- It is essential to use the plans and details in conjunction with the specifications and notes.
- Existing trees to be retained shall be protected according to the contract detail and specifications.
- Plant material shall be No. 1 Grade and shall comply with Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association. Use plant material with strong fibrous root system free of disease, defects or injuries, and structurally sound. Use trees with straight trunks, well and characteristically branched for species. Obtain approval from consultant of plant material at source prior to digging. All trees and shrubs shall be container grown, potted, W/B or B/B, as indicated on Plant List. Bare root planting will only be acceptable for certain species and as approved by the Landscape Architect.
- Plant material substitutions shall not be permitted without the written approval from the consultant, with 48 hours notice, prior to shipping plant material.
- Plant locations are schematic / approximate only. Contractor shall stake out locations on site for approval by the Landscape Architect prior to installation. The illustrated number of plants shown in the Planting Plan supersedes the estimated number in the Plant List. Contractor to report any discrepancies to the Landscape Architect prior to installation. Contractor will assume full responsibility if the Landscape Architect is not notified.
- Shrubs, Perennials, Vines, and Groundcovers shall be planted in a continuous planting bed of 450mm depth with approved topsoil covered with 75mm depth shredded bark mulch. For reforestation beds, refer to the detail on Sheet 120025-L-D1.
- Ensure trees are thoroughly watered following planting. Monitor material and ensure adequate moisture until acceptance.
- In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
- Sod and/or seed areas to receive 100mm depth topsoil as specified. Sod shall be No. 1 Kentucky Bluegrass Sod grown from minimum mixture of 3 Kentucky Bluegrass cultivars. Quality and source shall comply with Canadian Standards for Nursery Stock, Section 17, (latest edition) published by the Canadian Nursery Landscape Nursery Landscape Association. Unless otherwise specified, turf is to be maintained by the contractor until a second cutting is accepted by the Landscape Architect.
- Apply the following mineral fertilizer unless soil tests show other requirements: Sodded areas - (8-32-16) 8% Nitrogen, 32% Phosphorus, 16% Potash at a rate of 350kg/ha. - Planting Beds - (8-32-16) - 8% Nitrogen, 32% Phosphorus, 16% Potash as per manufacturer specifications. Reinstatement all areas damaged or disturbed beyond the Limit of Work.

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
4.	REVISED PER CITY COMMENTS	JUN 1/20	JP
3.	ISSUED FOR INTERNAL REVIEW	MAY 19/20	JP
2.	ISSUED FOR DESIGN REVIEW	APR 20/20	JP
1.	APPLICATION FOR SITE PLAN APPROVAL	APR 9/20	JP

SCALE
1:500
0 5 10 15 20

DESIGN
KW/JP
CHECKED
JP
DRAWN
KW
CHECKED
JP
APPROVED
RJ

FOR REVIEW ONLY

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LOCATION
PROJECT PYTHON
222 CITIGATE DRIVE, CITY OF OTTAWA

DRAWING NAME
LANDSCAPE PLAN

PROJECT No.	120025-00
REV	REV # 4
DRAWING No.	120025-L4