



- LEGEND**
- EXISTING TREE TO REMAIN, SYMBOL SIZE REFLECTS CRZ
  - PROPOSED DECIDUOUS TREE
  - PROPOSED SHRUBS
  - PROPOSED ORNAMENTAL GRASSES AND PERENNIALS
  - PROPOSED PERENNIALS
  - PROPOSED PERMEABLE CONCRETE PAVERS
  - PROPOSED RIVER STONE
  - PROPOSED MULCH
  - SPECIES (SEE PLANT LIST)
  - QUANTITY
  - TEMPORARY TREE PROTECTION FENCE
- GENERAL**
- 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.
  - 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.
  - It is essential to use the plans and details in conjunction with the specifications and notes.
  - Do not scale drawings. Work to dimensions only.
  - Protect all existing and retained vegetation for the duration of construction according to the contract details and specifications.
  - Reinstate 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.
- 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:
- Refer to Tree Conservation Report by IFS Associates.
  - The Landscape Architect or Certified Arborist is to determine the location of the tree protection fence and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
  - Under the guidance of a 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 Landscape Plan for fence location. City Forestry Staff are to approve both the plan and the installed fence 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 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.
  - Prior to work taking place, notify and consult the Certified Arborist and City Forestry Staff 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.
  - If damaged or objectionable branches are observed, consult the Certified Arborist, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown.
  - Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Certified Arborist.
  - The Certified Arborist 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.
  - 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).

- PLANTING**
- Plant material to be No. 1 Grade and is to comply with Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association. Use structurally sound plant material with strong fibrous root system free of disease, defects, and injuries. 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 to be container grown, potted, WB or B/B, as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
  - Plant material substitutions are not permitted without the written approval from the Consultant, with 48 hours notice, prior to shipping plant material.
  - Plant locations are schematic / approximate only. Contractor is to stake out locations on site for approval by the Landscape Architect prior to installation. Contractor to report any discrepancies to the Landscape Architect prior to installation. Contractor will assume full responsibility if the Landscape Architect is not notified. 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.
  - Approved topsoil depths are as follows:
    - Plant Beds - 450mm continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
    - Sod/ Seed Areas - 100mm depth.
    - Reforestation - 300mm depth.
  - Sod to be No. 1 Kentucky Bluegrass Sod grown from minimum mixture of 3 Kentucky Bluegrass cultivars. Quality and source are to comply with Canadian Standards for Nursery Stock, Section 17, (latest edition) published by the Canadian Nursery Landscape Nursery Landscape Association.
  - Install a 1.2m sod strip adjacent to all hard surfaces. Note, sod is not typically graphically shown on plans.
  - Apply the following mineral fertilizer unless soil tests show other requirements:
    - Plant Beds - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.
    - Sod Areas - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash at a rate of 350kg/ha.
  - Where applicable, for any plant areas with a mix of species/ cultivars notes, Contractor is to cluster like plants in groups of 3-5 and evenly distribute these in the noted area.

**PLANT LIST**

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
<b>Deciduous Trees</b>						
CRZ	3	<i>Crataegus crus-galli 'termis'</i>	Thornless Cockspur Hawthorn	50mm Cal	WB	As Shown
TAR	3	<i>Tilia americana 'Redmond'</i>	Redmond Linden	50mm Cal	WB	As Shown
<b>Coniferous Shrubs</b>						
Md	8	<i>Microbiota decussata</i>	Siberian Carpet Cypress	40cm Spr	PT	As Shown
<b>Deciduous Shrubs</b>						
H#	7	<i>Hydrangea paniculata 'Bombshell'</i>	Bombshell Hydrangea	50cm Ht	PT	As Shown
HF	21	<i>Hydrangea paniculata 'SMHPLQF'</i>	Little Quick Fire Hydrangea	60cm Ht	PT	As Shown
Pcg	4	<i>Physocarpus opulifolius 'Centre Glow'</i>	Centre Glow Ninebark	60cm Ht	PT	As Shown
Pfb	18	<i>Potentilla fruticosa 'Bella Sol'</i>	Bella Sol Potentilla	40cm Ht	PT	As Shown
Smc	15	<i>Spiraea japonica 'Magic Carpet'</i>	Magic Carpet Spiraea	40cm Ht	PT	As Shown
<b>Perennials</b>						
cam	32	<i>Calamagrostis acutiflora 'Overdam'</i>	Overdam Feather Reed Grass	1g	PT	45cm O.C.
db	7	<i>Deschampsia cespitosa 'Bronzeschleier'</i>	Bronze Veil Tufted Hair Grass	1g	PT	50cm O.C.
epb	8	<i>Euphorbia polychroma 'Bonfire'</i>	Bonfire Cushion Spurge	1g	PT	50cm O.C.
hbz	15	<i>Hemerocallis 'Bonanza'</i>	Bonanza Daylily	1g	PT	45cm O.C.
hhr	15	<i>Hemerocallis 'Happy Returns'</i>	Happy Returns Daylily	1g	PT	45cm O.C.
hnb	30	<i>Hosta 'Hudson Bay'</i>	Hudson Bay Hosta	1g	PT	80cm O.C.

**NOTE:**  
THE POSITION OF ALL POLE LINES, CONDUITS, WATER MAINS, 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.

**SCALE**

1:100

0 1 2 3 4

1:100

0 1 2 3 4

No.	REVISION	DATE	BY
2.	ISSUED FOR SITE PLAN APPLICATION	JUL 21/21	RGJ
1.	ISSUED FOR COORDINATION	JUL 7/21	RGJ

**FOR REVIEW ONLY**

DESIGN: MEL  
CHECKED: RGJ  
DRAWN: MEL  
CHECKED: RGJ  
APPROVED: RGJ

**ASSOCIATION OF LANDSCAPE ARCHITECTS**  
MEMBER  
JUL 21/21

**NOVATECH**  
Engineers, Planners & Landscape Architects  
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Ottawa, Ontario, Canada K2M 1P6  
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Website: www.novatech-eng.com

**LOCATION**  
SILVER STREET DEVELOPMENT  
1062 & 1066 Silver Street, Ottawa, ON

**DRAWING NAME**  
LANDSCAPE PLAN

PROJECT No.: 121139-00  
REV: REV # 2  
DRAWING No.: 121139-L1

**NOT FOR CONSTRUCTION**