

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	NATIVE/NON-NATIVE
<b>Deciduous Trees</b>							
AR	1	<i>Acer rubrum</i>	Red Maple	50mmCal	WB	As Shown	Native
ASFF	4	<i>Acer saccharum 'Fall Fiesta'</i>	Fall Fiesta Sugar Maple	50mmCal	WB	As Shown	Native
COC	3	<i>Celtis occidentalis 'Chicagoland'</i>	Chicagoland Hackberry	50mmCal	WB	As Shown	Native
GTS	3	<i>Gleditsia triacanthos var. inermis 'Shademaster'</i>	Shademaster Honeylocust	50mmCal	WB	As Shown	Native
QM	3	<i>Quercus macrocarpa</i>	Burr Oak	50mmCal	WB	As Shown	Native
UAP	3	<i>Ulmus americana 'Princeton'</i>	Princeton Elm	50mmCal	WB	As Shown	Native
<b>Coniferous Trees</b>							
ABA	6	<i>Abies balsamea</i>	Balsam Fir	200cmHt	WB	As Shown	Native
PNS	6	<i>Pinus strobus</i>	Eastern White Pine	200cmHt	WB	As Shown	Native
<b>Deciduous Shrubs</b>							
Am	14	<i>Aronia melanocarpa</i>	Black Chokeberry	60cmHt	PF	As Shown	Native
Csk	12	<i>Cornus sericea 'Kelsey'</i>	Kelsey Dogwood	40cmHt	PF	As Shown	Native
Ra	21	<i>Rhus aromatica</i>	Fragrant Sumac	60cmHt	PF	As Shown	Native
Rdp	29	<i>Rosa 'Dwarf Pavement'</i>	Dwarf Pavement Rose	60cmHt	PF	60cmOC	Non-Native
<b>Ornamental Grasses</b>							
ckf	24	<i>Calamagrostis acutiflora 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	1g	PF	80cmOC	Non-Native

Proposed Trees: Ownership	Total
Private	29
City-Owned	0

**SOIL AVAILABILITY ESTIMATE**

Planting bed no.	Available Soil Area (sq m)	Available Soil Volume (cu m)	No. of trees proposed		Total No. of trees	Min. required Soil volume total (cu m)
			Large (30m <sup>3</sup> for single, 18m <sup>3</sup> for multiple)	Evergreen (25m <sup>3</sup> for single, 15m <sup>3</sup> for multiple)		
Planting bed 1	335	335	4	0	4	72.00
Planting bed 2	117	117	1	0	1	30.00
Planting bed 3	714	714	6	6	12	198.00
Planting bed 4	458	458	6	6	12	198.00

Note 1. For all planting beds proposed, the available soil depth is considered to be 1m.

**FUTURE CANOPY COVER ESTIMATE**

PROPOSED & RETAINED TREES - ESTIMATED CANOPY COVERAGE AT MATURITY				
PROPOSED TREES	AVERAGE MATURE SPREAD	APPROXIMATE CANOPY COVERAGE PER TREE AT	QUANTITY OF TREES	TOTAL CANOPY COVERAGE (m <sup>2</sup> )
Deciduous trees - Large	15m	177	17	3004
Conifers	5m	20	12	240
<b>RETAINED TREES</b>				
Existing canopy cover of the vegetation preserved on east side of the property				1512
<b>TOTAL FUTURE CANOPY COVERAGE (m<sup>2</sup>):</b>				<b>4,756</b>
<b>TOTAL SITE AREA (m<sup>2</sup>):</b>				<b>8,014</b>
<b>ESTIMATED FUTURE CANOPY COVERAGE (%):</b>				<b>59%</b>

- Area of a circle =  $(\pi r^2) \times \pi$
  - Canopy coverage per tree calculation:  $(\text{average spread}/2) \times (\text{average spread}/2) \times \pi$
- \*At maturity factor is not added to the existing canopy cover of retained trees at site.

**CITY DETAILS**

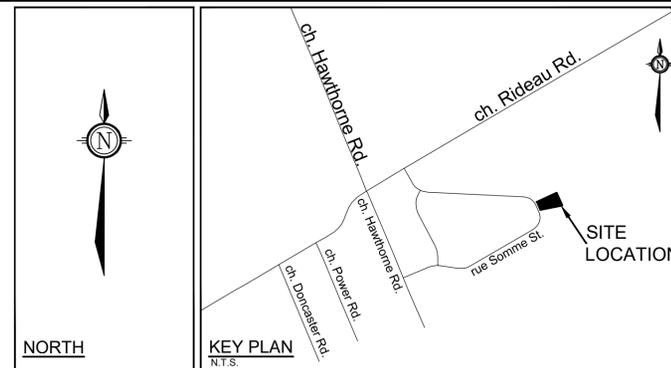
Related details from City of Ottawa Standard Tender Documents Volume No. 2 Standard Detail Drawings.

- SC4. Typical Concrete Sidewalk in Boulevard
- SC5. Sidewalk Construction Joints

**NOVATECH DETAILS**

Found on Sheet L2.

- D1. Standard Deciduous Tree Planting
- D2. Standard Coniferous Tree Planting
- D3. Shrub and Perennial Planting
- D4. Tree Protection Fence



**LEGEND**

- 3-D1 DETAIL SHEET # NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE
- PROPERTY LIMIT
- PROPOSED CONCRETE
- GRAVEL STONE
- SOD
- PERENNIALS / ORNAMENTAL GRASSES
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SHRUBS
- SPECIES (SEE PLANT LIST)
- QUANTITY
- PROPOSED CHAINLINK FENCE 1.5m HT
- BUILDING LINE
- OVERHANG
- TREE PROTECTION FENCE
- DECORATIVE SCREEN 1.8m HT

**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.

**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 BB, 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.
- 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.

**SEED MIX AND APPLICATION**

For areas steeper than 3:1, Contractor to apply erosion control blanket. Erosion control blanket to be machine woven mats made from natural wood, coco or cotton fiber, or combination depending on manufacturer, with stitching between two photo-degradable natural organic fiber nettings. Submit products for approval by Consultant. OPSS 804 applies except as may be amended and extended herein.

In addition to the specified seed mixes, all applications are to include a nurse crop as noted.

**NURSE CROP**  
Annual Ryegrass  
Seeding Rate: 35kg/hectare

**GREENFIELDS SEED MIX BY DLF**  
Seeding Rate: 175kg/hectare

**SOURCE REFERENCE:**

Legal Information: Part of Blocks 2 and Reserve Block 17, Registered plan 4m-1388, City of Ottawa  
Topographic Information: Plan of Survey  
Annis, O'Sullivan, Vollebek Ltd. / 2024 / MTM Zone 9, NAD83 (CSRS)

**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.

**Owner:**  
Titan Environmental Containment  
c/o (contact name)  
Unit #7 - 812 Burton Road  
Vars, ON N0A 3H0  
Phone: 613-816-1185

**DISCLAIMER:**

The elements on this plan illustrate the design intent and general constructability of the proposed landscape which will support the associated development. This is to demonstrate how the canopy cover, urban design, health, and climate change objectives of the Official Plan will be met through tree planting and site design. This drawing is for City review only and is not intended for construction. Final detailed design and construction documentation is to be provided with certified 'Issued for Construction' drawings and specifications prior to construction.

No.	REVISION	DATE	BY
4.	ISSUED TO ADDRESS CITY COMMENTS	FEB 11/26	RGJ
3.	ISSUED TO ADDRESS CITY COMMENTS	SEP 16/25	RGJ
2.	ISSUED FOR SITE PLAN APPLICATION	MAY 2/25	RGJ
1.	ISSUED FOR CLIENT REVIEW	FEB 3/25	RGJ

SCALE	
1:250	
1:250	
0 2 4 6 8 10	

DESIGN	TCB
CHECKED	RGJ
DRAWN	TCB
CHECKED	RGJ
APPROVED	RGJ

**FOR REVIEW ONLY**

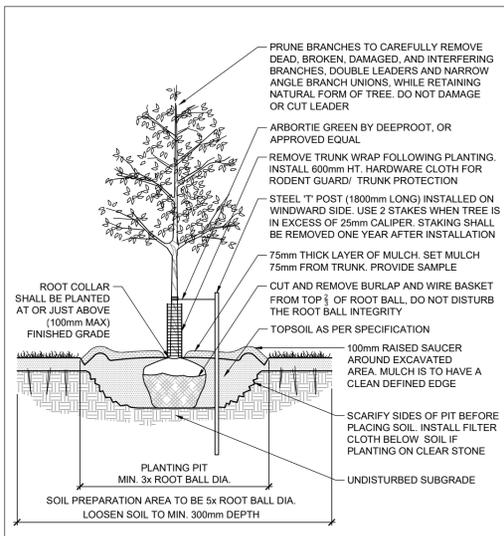


**NOVATECH**  
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Website: www.novatech-eng.com

**LOCATION**  
CITY OF OTTAWA  
541 SOMME STREET  
**DRAWING NAME**  
LANDSCAPE PLAN

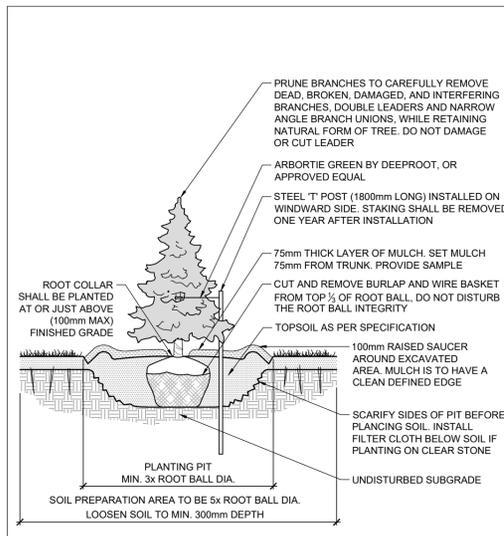
PROJECT No.	REV #	REV # 4
124111		

DRAWING No. 124111-L1



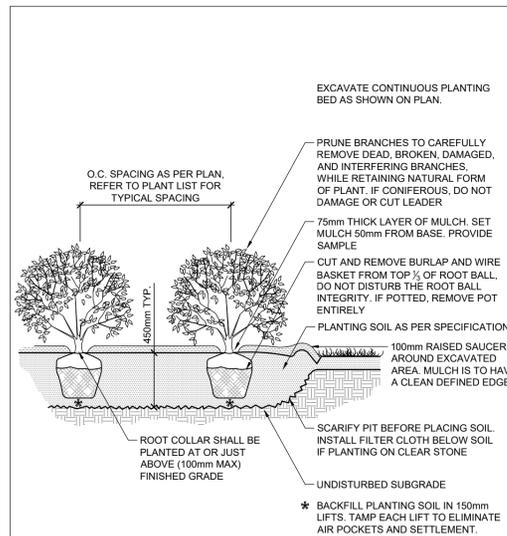
STANDARD DECIDUOUS TREE PLANTING

D1



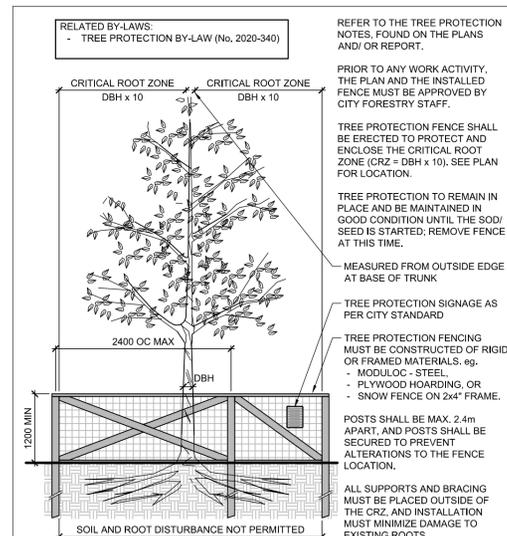
STANDARD CONIFEROUS TREE PLANTING

D2



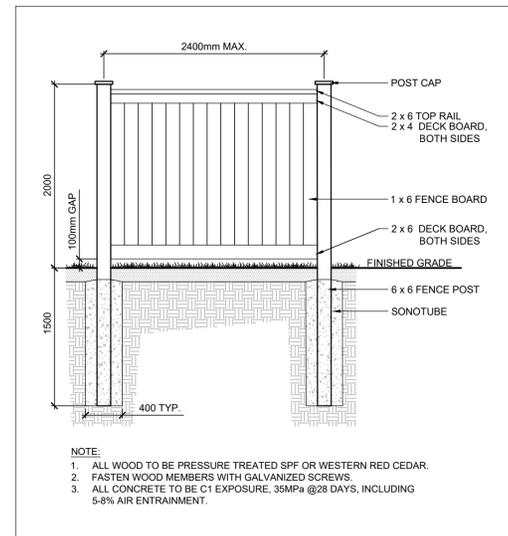
SHRUB AND PERENNIAL PLANTING

D3



TREE PROTECTION FENCE

D4



1.8m HT - WOOD SCREEN DETAIL

D5

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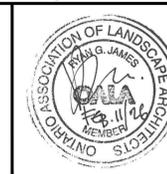
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