## PLANT LIST

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

| Proposed Trres: Ownership | Total |
|---|---|
| Private | 29 |
| City-Owned | 0 |

## 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 (m2) |
| Deciduous trees - Large | 15m | 177 | 17 | 3004 |
| Conifers | 5m | 20 | 12 | 240 |
| RETAINED TREES | | | | |
| Existing canopy cover of the vegeatation preserved on east side of the propoerty | | | | 1512 |
| | | Total | 29 | |
| TOTAL FUTURE CANOPY COVERAGE (m2): | | | | 4,756 |
| TOTAL SITE AREA (m2): | | | | 8,014 |
| ESTIMATED FUTURE CANOPY COVERAGE (%): | | | | 59% |

1. Area of a circle = $(r \times r) \times \pi$
2. Canopy coverage per tree calculation: (average spread/2) x (average spread/2) x $\pi$

*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.

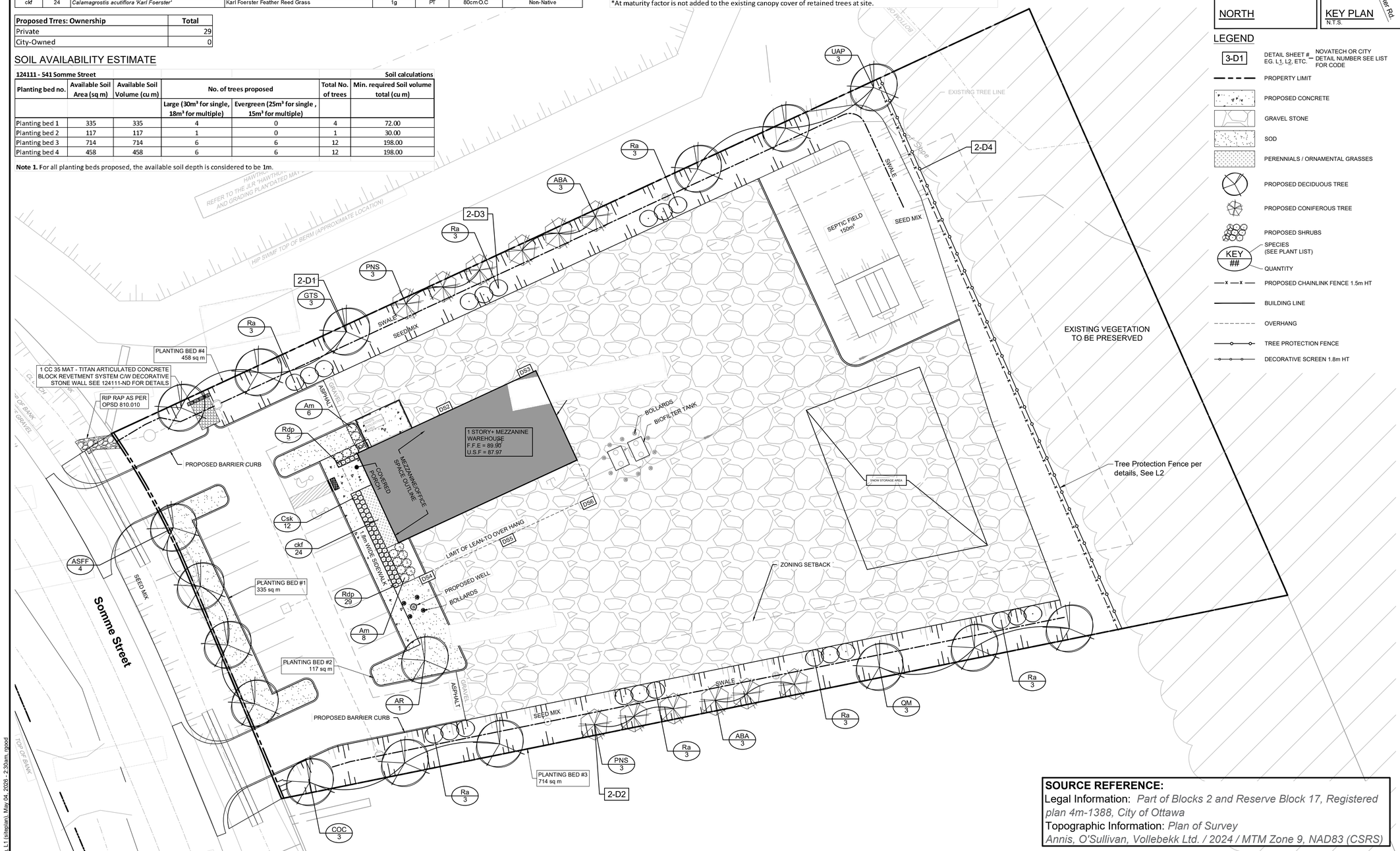
D1. Standard Deciduous Tree Planting
D2. Standard Coniferous Tree Planting
D3. Shrub and Perennial Planting
D4. Tree Protection Fence

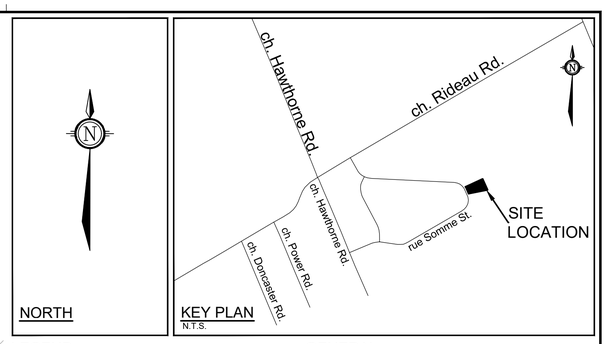
## SOIL AVAILABILITY ESTIMATE

**124111 - 541 Somme Street** — **Soil calculations**

| Planting bed no. | Available Soil Area (sq m) | Available Soil Volume (cu m) | No. of trees proposed: Large (30m³ for single, 18m³ for multiple) | No. of trees proposed: Evergreen (25m³ for single , 15m³ for multiple) | Total No. of trees | Min. required Soil volume total (cu m) |
|---|---|---|---|---|---|---|
| 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.




## LEGEND

- DETAIL SHEET #_ EG. L1, L2, ETC. — 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

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. 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

1. 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.
2. 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, W/B or B/B, as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
3. Plant material substitutions are not be permitted without the written approval from the Consultant, **with 48 hours notice**, prior to shipping plant material.
4. Plant locations are schematic / approximate only. **Contractor is to stake out locations on site for approval by the Landscape Architect prior to installation.**
5. 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.
6. Ensure trees are thoroughly watered following planting. Monitor material and ensure adequate moisture until acceptance.
7. In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
8. Approved topsoil depths are as follows:
   a. Plant Beds - **450mm** continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
   b. Sod/ Seed Areas - **100mm** depth.
   c. Reforestation - **300mm** depth.
9. 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.
10. Apply the following mineral fertilizer unless soil tests show other requirements:
    a. Plant Beds - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.
    b. Sod Areas - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash at a rate of 350kg/ha.
12. 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, Vollebekk Ltd. / 2024 / MTM Zone 9, NAD83 (CSRS)*

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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 K0A 3H0
Phone: 613-616-1185

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 |
|---|---|---|---|
| 5. | ISSUED TO ADDRESS CITY COMMENTS | MAY 04/26 | RGJ |
| 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

DESIGN TCB
CHECKED RGJ
DRAWN TCB
CHECKED RGJ
APPROVED RGJ

**FOR REVIEW ONLY**

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — ADAM G. JAMES — MAY 4 '26 — MEMBER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Facsimile (613) 254-5867
Website www.novatech-eng.com


LOCATION
CITY OF OTTAWA
541 SOMME STREET

DRAWING NAME
LANDSCAPE PLAN

PROJECT No. 124111
REV REV # 5
DRAWING No. 124111-L1

FILE # D07-12-25-0077 PLAN # 19398

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