

| QTY | BOTANICAL NAME | COMMON NAME | SIZE | COND | SPACING |
|--------------------------|----------------|-----------------------|---------------------|---------|--------------|
| Reforestation Mix | | | | | |
| Coniferous Trees | | | | | |
| 5% | 24 | Abies balsamea | Balsam Fir | 0.60m H | PT 2.0m O.C. |
| 5% | 24 | Larix laricina | Tamarack | 0.60m H | PT 2.0m O.C. |
| 5% | 24 | Pinus banksiana | Jack Pine | 0.60m H | PT 2.0m O.C. |
| 5% | 24 | Pinus strobus | Eastern White Pine | 0.60m H | PT 2.0m O.C. |
| 5% | 24 | Thuja occidentalis | Eastern White Cedar | 0.60m H | PT 2.0m O.C. |
| Deciduous Trees | | | | | |
| 10% | 49 | Acer rubrum | Red Maple | 1.20m H | PT 2.0m O.C. |
| 5% | 24 | Acer saccharum | Sugar Maple | 1.20m H | PT 2.0m O.C. |
| 10% | 49 | Betula papyrifera | Paper Birch | 1.20m H | PT 2.0m O.C. |
| 5% | 24 | Celtis occidentalis | Hickberry | 1.20m H | PT 2.0m O.C. |
| 5% | 24 | Ligustrum sinense | Burlemut | 1.20m H | PT 2.0m O.C. |
| 5% | 24 | Ligustrum nigra | Black Walnut | 1.20m H | PT 2.0m O.C. |
| 5% | 24 | Ostrya virginiana | Ironwood | 1.20m H | PT 2.0m O.C. |
| 2% | 10 | Populus balsamifera | Balsam Poplar | 1.20m H | PT 2.0m O.C. |
| 3% | 15 | Populus deltoides | Eastern Cottonwood | 1.20m H | PT 2.0m O.C. |
| 2% | 10 | Populus grandidentata | Largeleaf Aspen | 1.20m H | PT 2.0m O.C. |
| 3% | 15 | Populus tremuloides | Trembling Aspen | 1.20m H | PT 2.0m O.C. |
| 10% | 49 | Prunus serotina | Black Cherry | 1.20m H | PT 2.0m O.C. |
| 5% | 24 | Quercus rubra | Red Oak | 1.20m H | PT 2.0m O.C. |
| 5% | 24 | Tilia americana | Basswood | 1.20m H | PT 2.0m O.C. |

| QTY | BOTANICAL NAME | COMMON NAME | SIZE | COND | SPACING |
|--------------------------|----------------|---------------------------|---------------------------|---------|--------------|
| Dry Shrub Mix | | | | | |
| Deciduous Shrubs | | | | | |
| 10% | 21 | Aronia melanocarpa | Black Chokeberry | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Ceanothus americanus | New Jersey Tea | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Diervilla lonicera | Northern Bush Honeysuckle | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Physocarpus opulifolius | Common Ninebark | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Rhus typhina | Staghorn Sumac | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Rhus aromatica | Fragrant Sumac | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Rosa blanda | Meadow Rose | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Rubus occidentalis | Black Raspberry | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Rubus odoratus | Flowering Raspberry | 0.60m H | PT 2.0m O.C. |
| 10% | 21 | Symphoricarpos alba | Snowberry | 0.60m H | PT 2.0m O.C. |
| Wetland Shrub Mix | | | | | |
| Deciduous Shrubs | | | | | |
| 10% | 41 | Alnus incana ssp. rugosa | Speckled Alder | 0.60m H | PT 2.0m O.C. |
| 10% | 41 | Betula populifolia | Gray Birch | 0.60m H | PT 2.0m O.C. |
| 10% | 41 | Cephalanthus occidentalis | Buttonbush | 0.60m H | PT 2.0m O.C. |
| 5% | 20 | Cornus alternifolia | Pagoda Dogwood | 0.60m H | PT 2.0m O.C. |
| 5% | 20 | Cornus racemosa | Gray Dogwood | 0.60m H | PT 2.0m O.C. |
| 10% | 41 | Cornus sericea | Red Osier Dogwood | 0.60m H | PT 2.0m O.C. |
| 5% | 20 | Myrica gale | Sweet Gale | 0.60m H | PT 2.0m O.C. |
| 10% | 41 | Salix ericecephala | Heart-Leaved Willow | 0.60m H | PT 2.0m O.C. |
| 5% | 20 | Salix discolor | Pussy Willow | 0.60m H | PT 2.0m O.C. |
| 10% | 41 | Salix petiolaris | Slender Willow | 0.60m H | PT 2.0m O.C. |
| 10% | 41 | Spiraea alba | White Meadow Sweet | 0.60m H | PT 2.0m O.C. |
| 10% | 41 | Viburnum lentago | Nannyberry | 0.60m H | PT 2.0m O.C. |

| KEY | QTY | BOTANICAL NAME | COMMON NAME | SIZE | COND | SPACING | NATIVE/NO-NATIVE |
|---------------------------|-----|--|----------------------------------|----------|------|------------|------------------|
| Coniferous Trees | | | | | | | |
| ABA | 6 | Abies balsamea | Balsam Fir | 200cm H | WB | As Shown | Native |
| LL | 9 | Larix laricina | Tamarack | 200cm H | WB | As Shown | Native |
| BS | 6 | Black Spruce | Black Spruce | 200cm H | WB | As Shown | Native |
| PN | 6 | Pinus strobus | Eastern White Pine | 200cm H | WB | As Shown | Native |
| TO | 9 | Thuja occidentalis | Eastern White Cedar | 200cm H | WB | As Shown | Native |
| TCS | 1 | Tsuga canadensis | Eastern Hemlock | 200cm H | WB | As Shown | Native |
| Deciduous Trees | | | | | | | |
| ARN | 5 | Acer rubrum 'Northwood' | Northwood Red Maple | 50mm Cal | WB | As Shown | Native |
| AR | 6 | Acer rubrum | Red Maple | 50mm Cal | WB | As Shown | Native |
| PM | 6 | Populus mariana | Sugar Maple | 50mm Cal | WB | As Shown | Native |
| AEG | 2 | Aesculus glabra | Ohio Buckeye | 45mm Cal | WB | As Shown | Native |
| AXB | 2 | Ametanochter x grandiflora 'Balerina' | Balerina Serviceberry | 50mm Cal | WB | As Shown | Native |
| BAL | 5 | Betula alleghaniensis | Yellow Birch | 50mm Cal | WB | As Shown | Native |
| BP | 3 | Betula papyrifera | Paper Birch | 50mm Cal | WB | As Shown | Native |
| COV | 4 | Carya ovata | Shagbark Hickory | 50mm Cal | WB | As Shown | Native |
| CEL | 6 | Celtis occidentalis | Hickberry | 50mm Cal | WB | As Shown | Native |
| GTL | 7 | Gymnocladia dioica var. 'Inermis Impicola' | Imperial Honeylocust | 50mm Cal | WB | As Shown | Native |
| GDI | 5 | Gymnocladia dioica | Kentucky Coffee Tree | 50mm Cal | WB | As Shown | Native |
| JN | 4 | Juglans nigra | Black Walnut | 50mm Cal | WB | As Shown | Native |
| MORU | 3 | Morus rubra | Red Mulberry | 60cm H | PT | As Shown | Native |
| PGD | 2 | Populus grandidentata | Largeleaf Aspen | 40mm Cal | WB | As Shown | Native |
| PTR | 3 | Populus tremuloides | Trembling Aspen | 40mm Cal | WB | As Shown | Native |
| PS | 1 | Prunus serotina | Black Cherry | 50mm Cal | WB | As Shown | Native |
| QA | 4 | Quercus alba | White Oak | 50mm Cal | WB | As Shown | Native |
| QM | 6 | Quercus macrocarpa | Burr Oak | 50mm Cal | WB | As Shown | Native |
| TA | 7 | Tilia americana | Basswood | 50mm Cal | WB | As Shown | Native |
| Deciduous Shrubs | | | | | | | |
| AVX | 13 | Aronia x prunifolia 'Viking' | Viking Black Chokeberry | 60cm H | PT | 80cm O.C. | Native |
| PN | 26 | Physocarpus opulifolius 'Nanus' | Dwarf Ninebark | 60cm H | PT | 100cm O.C. | Native |
| Rag | 10 | Rhus aromatica 'Gro-Low' | Gro-Low Fragrant Sumac | 60cm H | PT | 160cm O.C. | Native |
| RS | 2 | Rosa rugosa | Black Willow | 60cm H | PT | As Shown | Native |
| Ornamental grasses | | | | | | | |
| ckf | 6 | Calamagrostis acutiflora 'Karl Foerster' | Karl Foerster Feather Reed Grass | 1g | PT | 45cm O.C. | Non-Native |

| Proposed Trees: Ownership | Total |
|---------------------------|-------|
| Private | 119 |
| City-Owned | |

LEGEND

3-D1 DETAIL SHEET # NOVATECH DETAIL EG L1, L2, ETC. NUMBER, SEE LIST FOR CODE

- PROPOSED CONCRETE
- PROPOSED PAVERS
- PARKING AREA SEED MIX
- RETENTION SEED MIX
- WETLAND SEED MIX
- PROPOSED SANDY BUFFER MIX
- PROPOSED WET SOILS SHRUB MIX
- PROPOSED DRY SHRUB MIX
- PROPOSED REFORESTATION
- PROPOSED SNOW STORAGE AREA

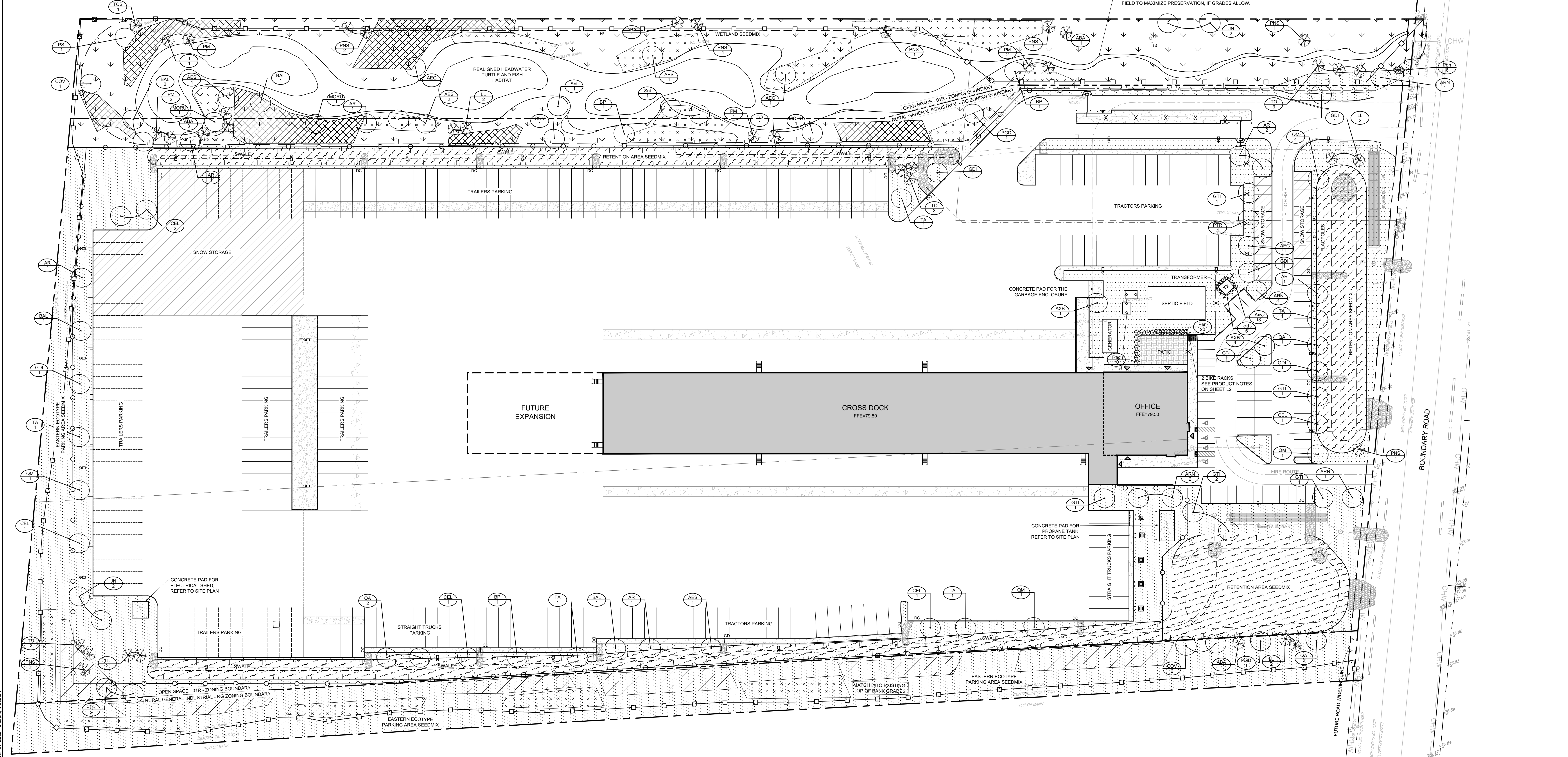
NOVATECH DETAILS
Found on Sheet L2

- D1. Standard Deciduous Tree Planting
- D2. Standard Coniferous Tree Planting
- D3. Shrub and Perennial Planting
- D4. Shrub Naturalization
- D5. Reforestation in Grass
- D6. Root Wad
- D7. Basking Log
- D8. Creek Channel
- D9. Bike Layout
- D10. Turtle Fence

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

- F9. Chainlink Fence
- SC4. Typical Concrete Sidewalk in Boulevard
- SC5. Sidewalk Construction Joints

KEY PLAN
N.T.S.



NOTE:
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Owner:
DAY & ROSS INC.
358 MAIN STREET
HARTLAND,
NB E7P 1C6

Civil Engineer:
NOVATECH
240 MICHAEL COWPLAND
DRIVE, SUITE 200
OTTAWA,
ON K2M 1P6

Surveyor:
ANNIS O'SULLIVAN,
VOLLEBERK LTD
14 CONCORDE GATE
SUITE 500, NEPEAN,
ON K2E 7S6

Architect:
N4S ARCHITECTURE INC.
ROBERT MATTHEWS
71 BANK STREET,
7TH FLOOR, OTTAWA,
ON K1P 5K2

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.

REVISION

| No. | REVISION | DATE | BY |
|-----|------------------------------------|-----------|-----|
| 1. | ISSUED FOR 60% SUBMISSION | AUG 16/24 | RGJ |
| 2. | ISSUED FOR SITE PLAN APPLICATION | OCT 2/24 | RGJ |
| 3. | ISSUED FOR 90% SUBMISSION | OCT 4/24 | RGJ |
| 4. | ISSUED FOR BUILDING PERMIT | OCT 24/24 | RGJ |
| 5. | ISSUED FOR COMPLETENESS COMMENTS | FEB 27/25 | SC |
| 6. | REVISED PER CITY AND SNCA COMMENTS | NOV 14/25 | SC |

SCALE

1:500

FOR REVIEW ONLY

| CHKD | KEY | DATE |
|------|--------|------|
| ✓ | KEW | |
| ✓ | RGJ | |
| ✓ | KEW/TB | |
| ✓ | SC | |
| ✓ | SC | |

LOCATION
CITY OF OTTAWA
5494-5510 BOUNDARY ROAD

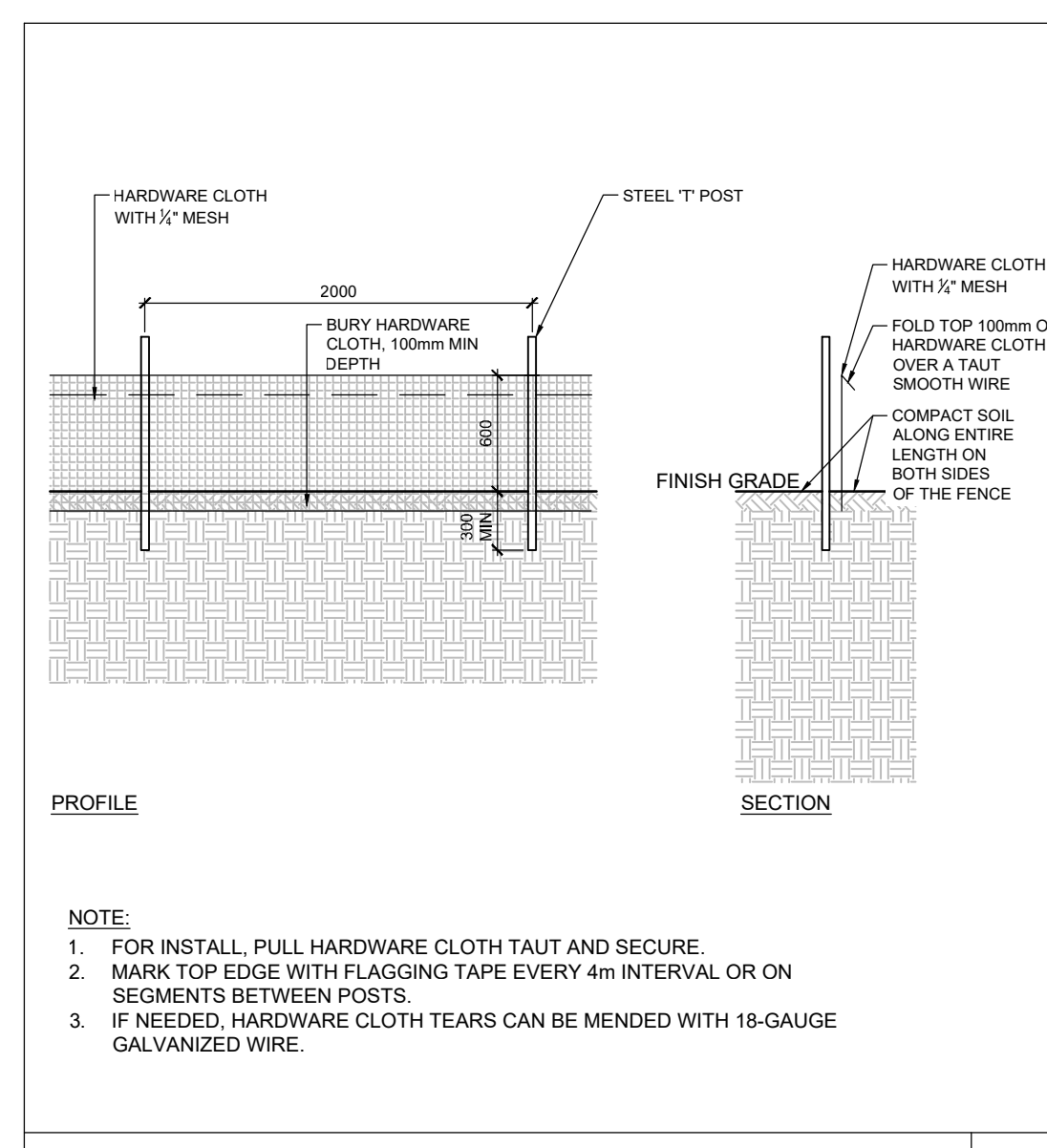
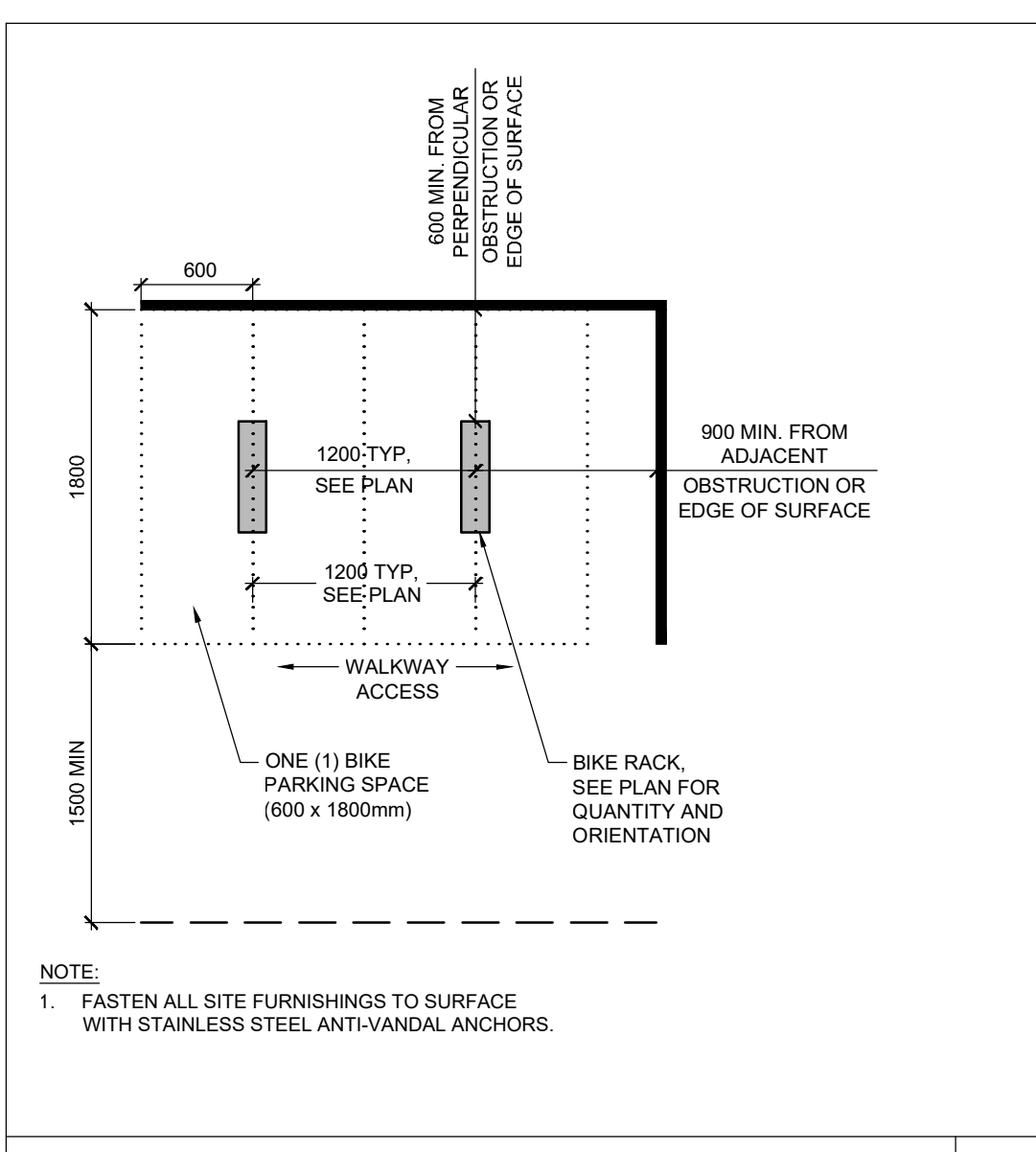
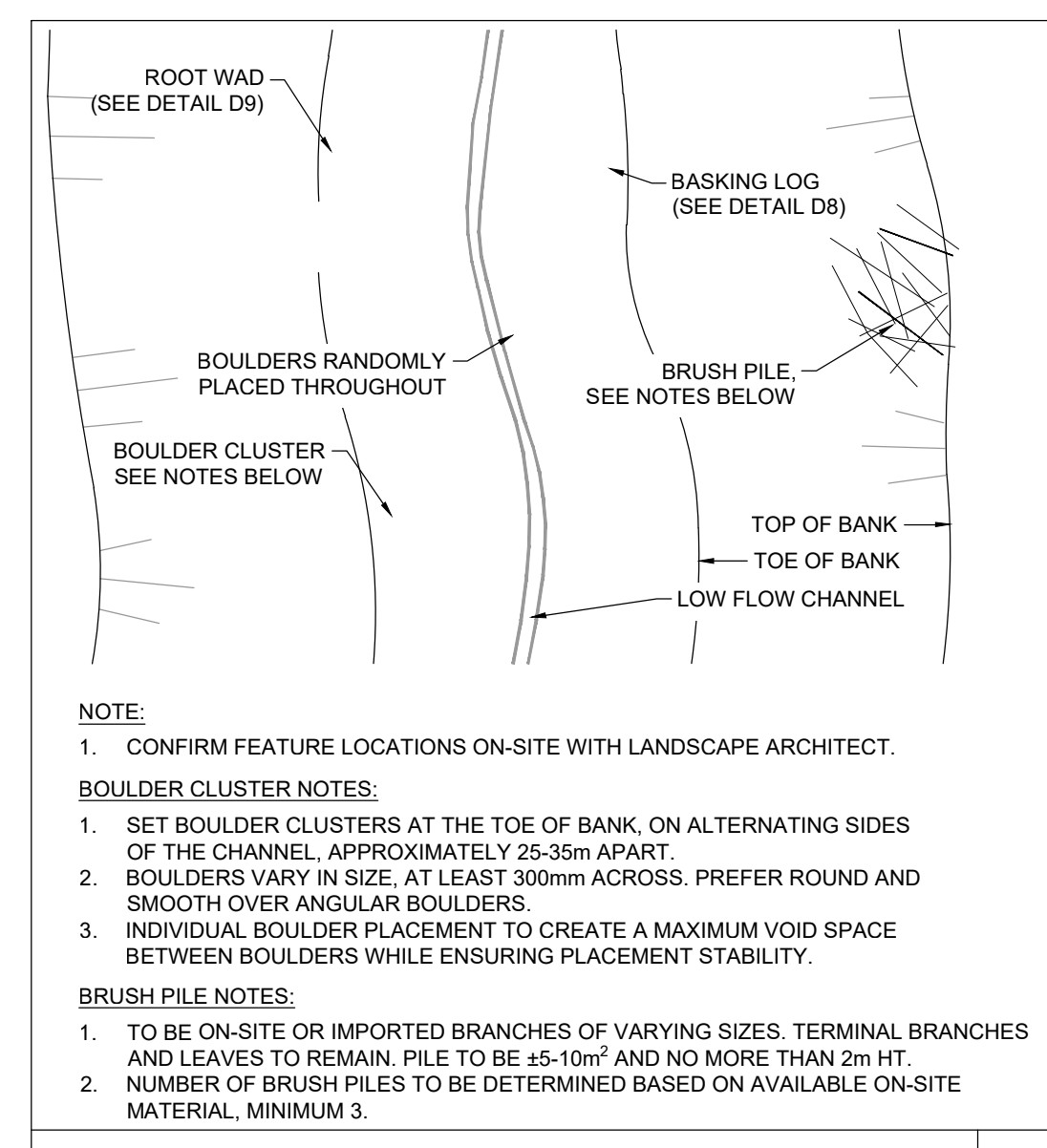
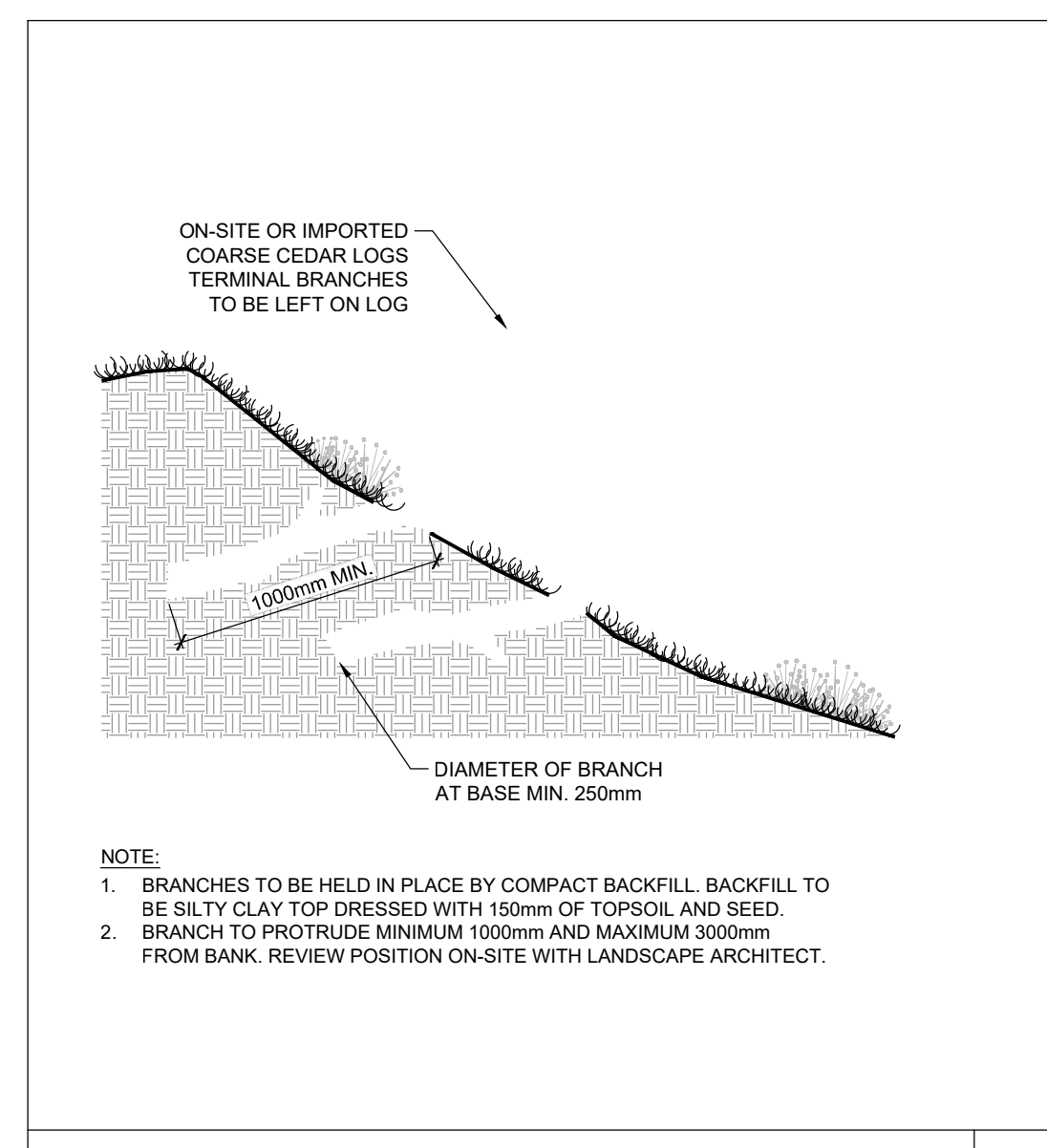
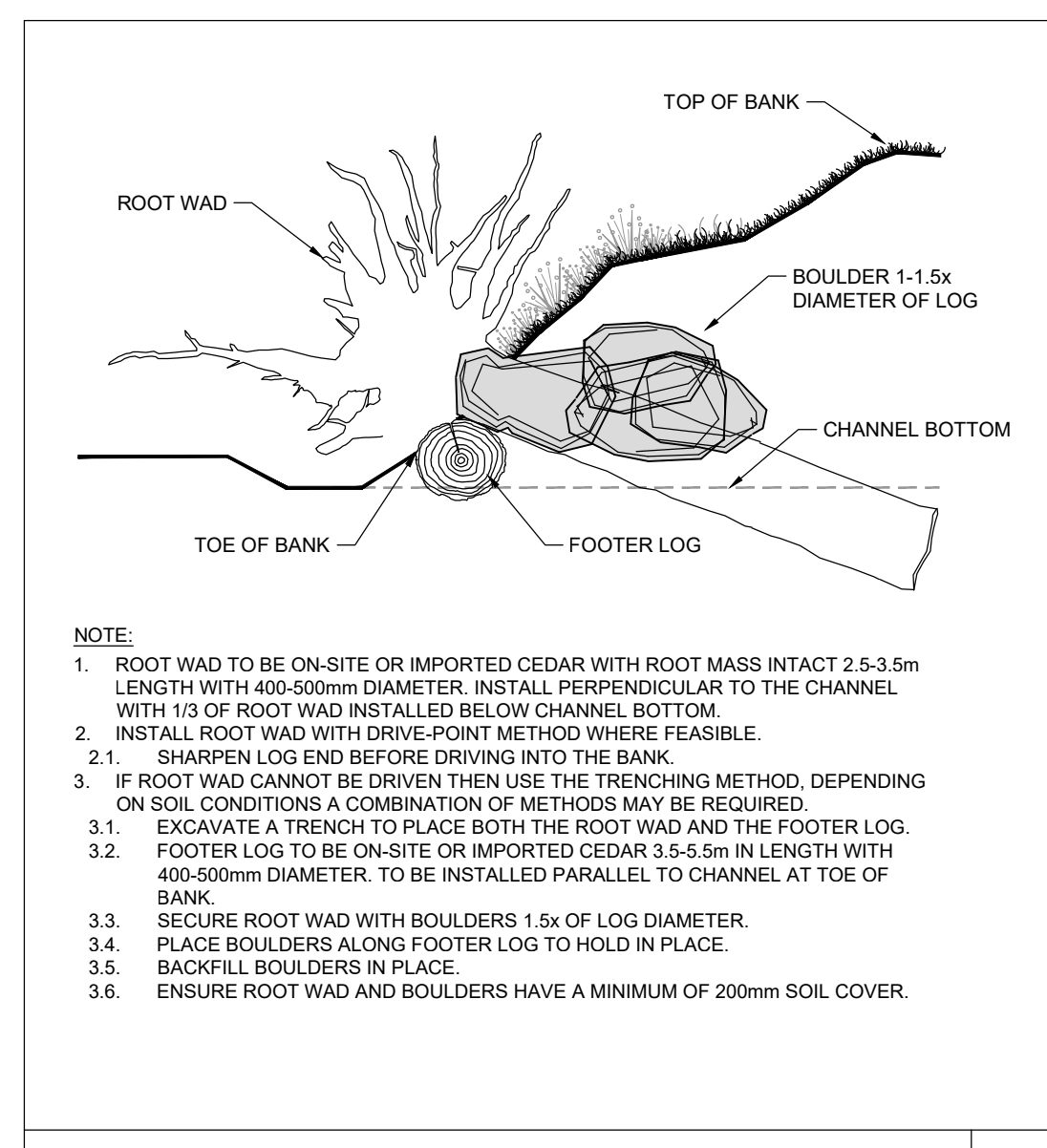
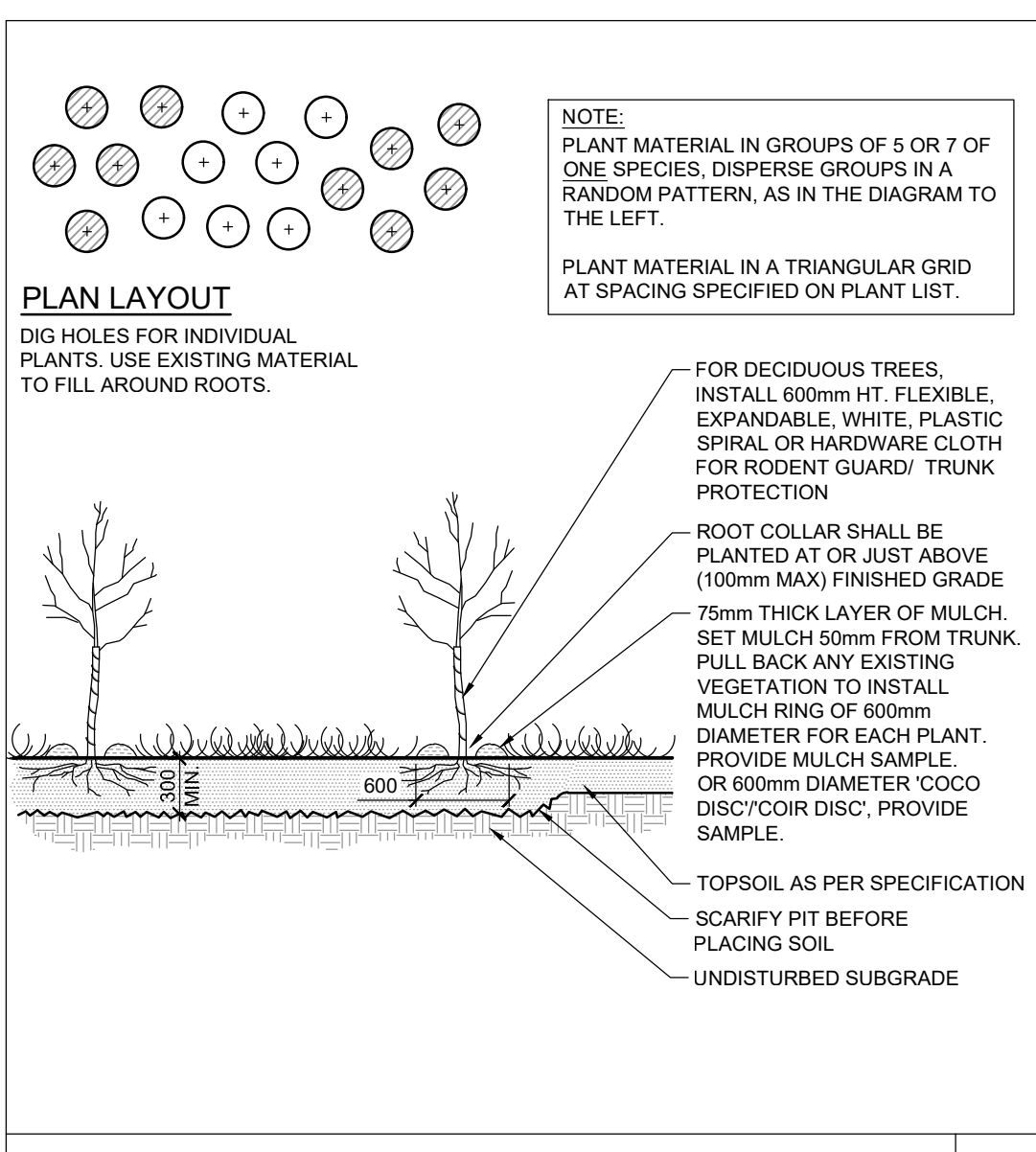
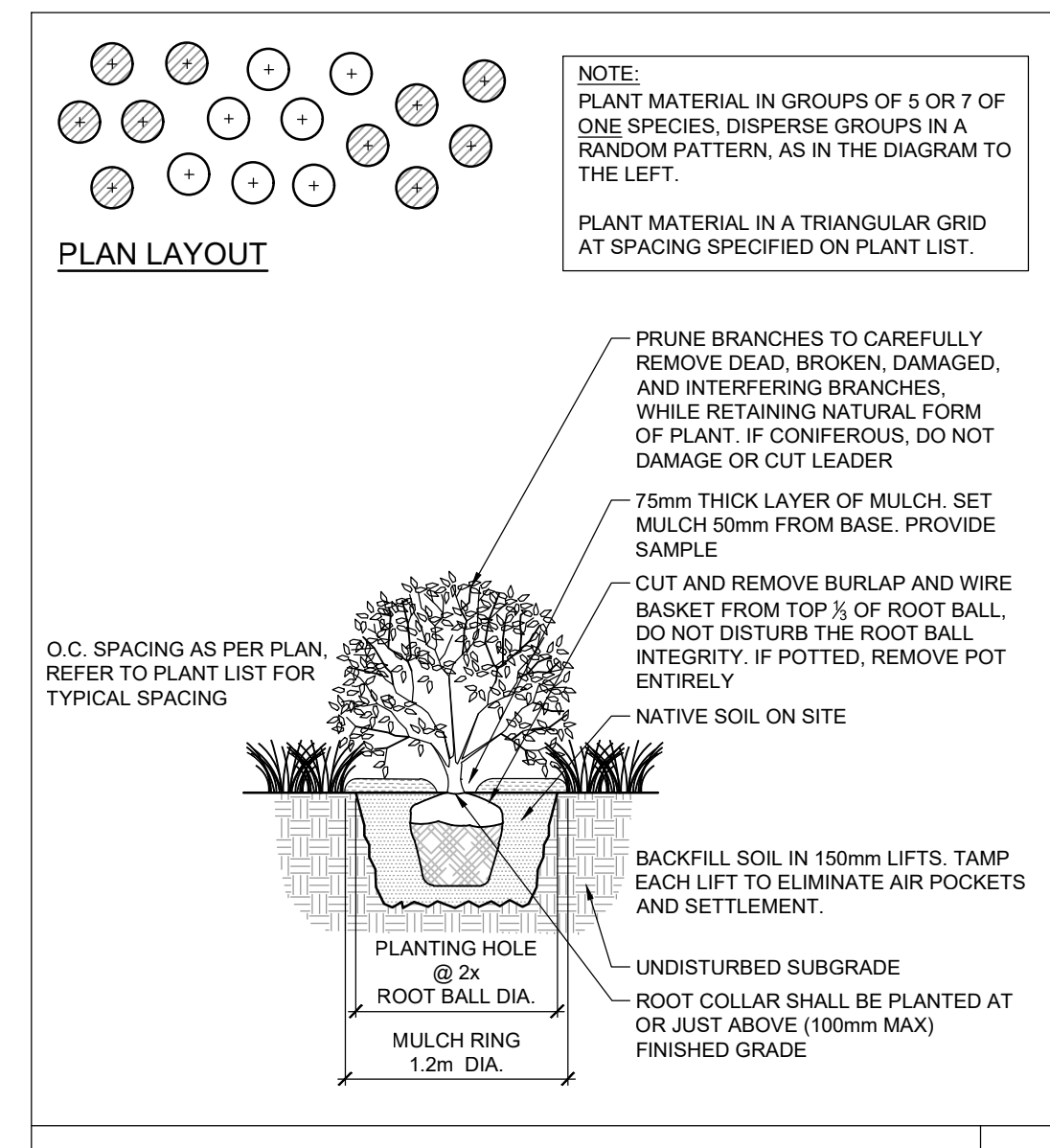
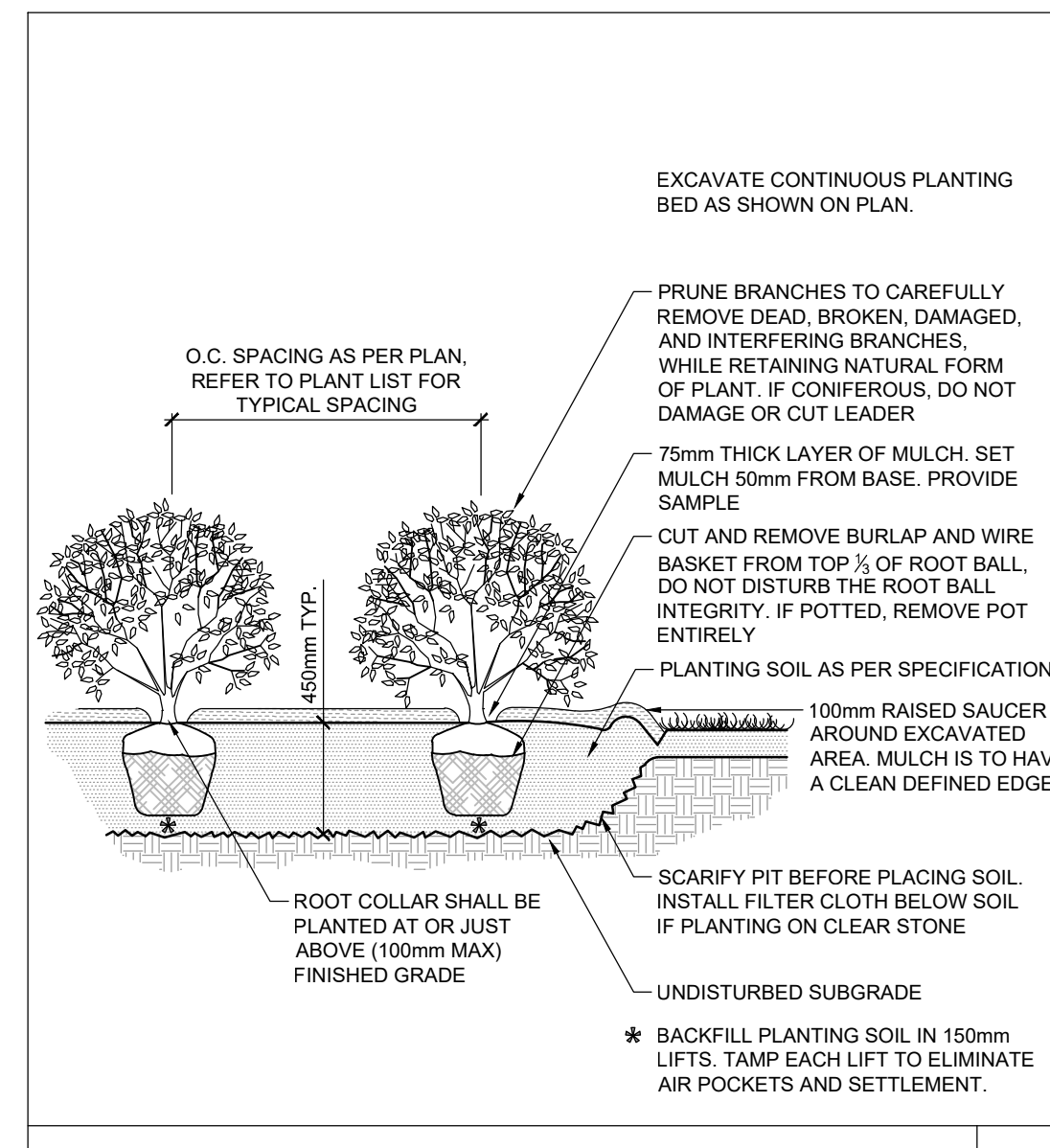
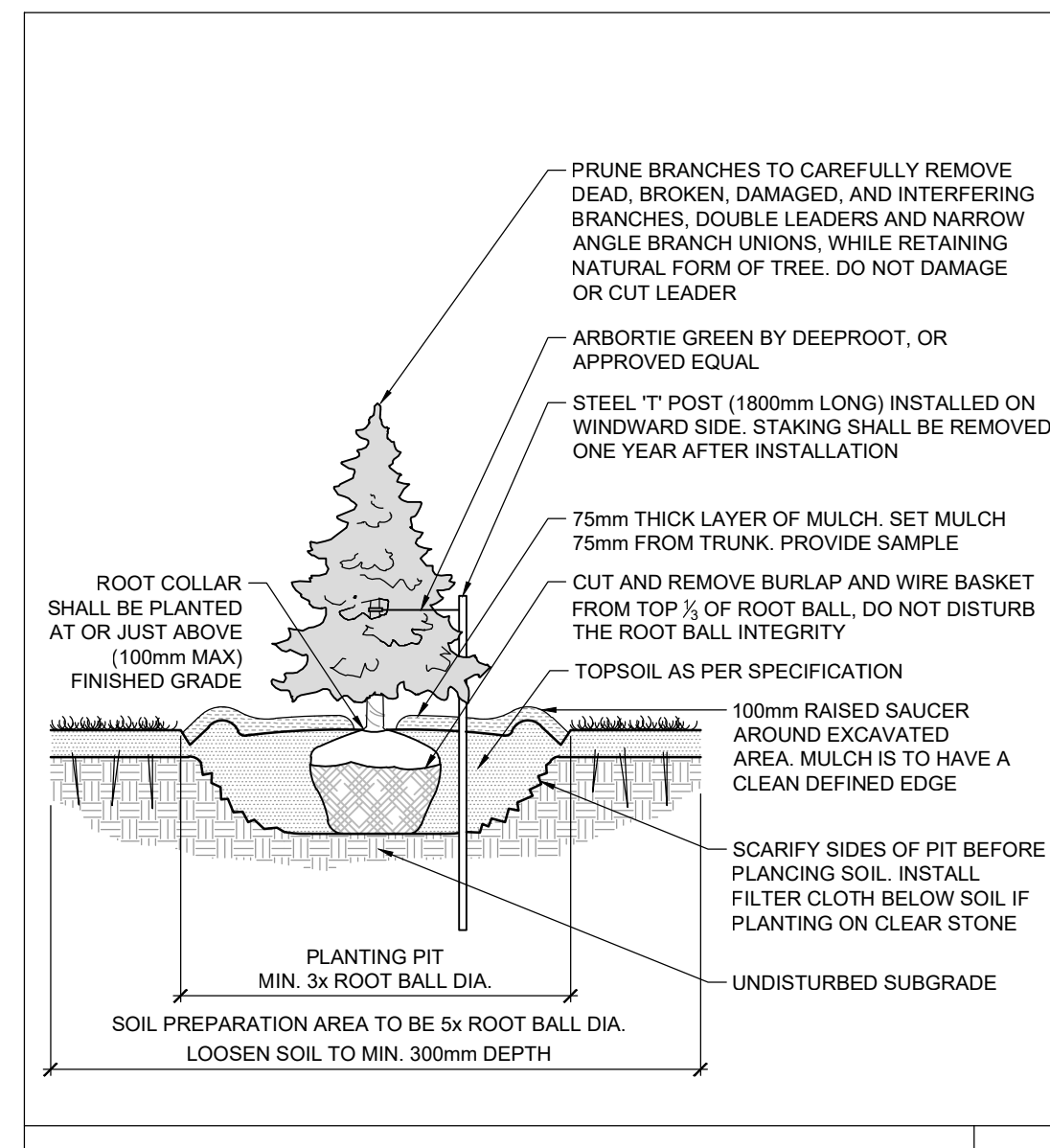
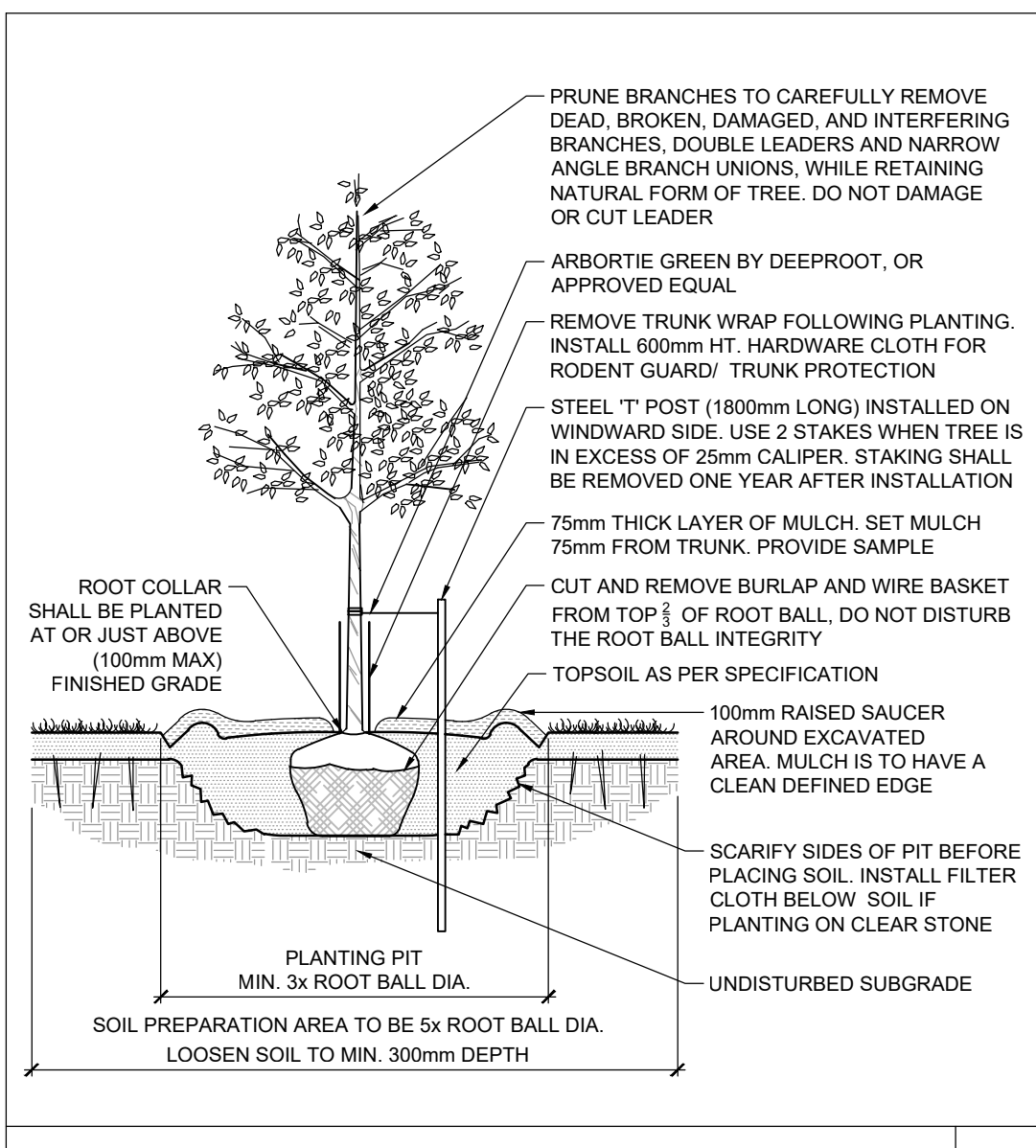
DRAWING NAME
LANDSCAPE PLAN

PROJECT NO.
118168

REV #
REV # 6

DRAWING NO.
118168-L

CITY PLAN NO. 19296



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Owner: DAY & ROSS INC. 358 MAIN STREET HARTLAND, NB E7P 1C6

Civil Engineer: NOVATECH 240 MICHAEL COWPLAND DRIVE, SUITE 200 OTTAWA, ON K2M 1P6

Surveyor: ANNIS O'SULLIVAN, VOLLEBERK LTD. 14 CONCOLLIS GATE, SUITE 500, NEPEAN, ON K2E 7S6

Architect: N4S ARCHITECTURE INC. ROBERT MATTHEWS 71 BANK STREET, 7TH FLOOR, OTTAWA, ON K1P 5K2

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|--------|-----------------|
| KEW | FOR REVIEW ONLY |
| RGJ | FOR REVIEW ONLY |
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| SC | FOR REVIEW ONLY |
| SC | FOR REVIEW ONLY |

REALIGNED HEADWATER

1. Depth of realigned headwater to be 0.5m to 1m depth of water.

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 diseases, defects, and injuries. Use trees with straight trunks, well and characteristically branched for species. Obtain approval from consultant of plant material at species 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.
- 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.
- 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.
- 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.
 - Soil/ Seed Areas - 100mm depth.
 - Reforestation - 300mm depth.
- Soil 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 11, (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.

CONSTRUCTION

- All general site information and conditions are compiled from Consultant field notes and plans provided by the Owner and are supplied for information purposes only. It is the responsibility of the Contractor to verify the accuracy of all the information obtained from this plan.
- Together with all Subcontractors involved, the Contractor is to examine all surfaces or conditions relating to the work, in order to determine the acceptability of such surfaces or conditions for the work to commence. Notify the Contract Administrator in writing of conditions which could be detrimental to installation and do not commence work until instructed by the Contract Administrator.
- Contractor to check and report any discrepancies before commencing work. No responsibility is borne by the Contract Administrator in writing of conditions which could be detrimental to installation and do not commence work until instructed by the Contract Administrator.
- Contractor to check and verify all dimensions and quantities on site and report any errors or omissions to the Consultant.
- Contractor is responsible for all fees arising from the completion of works conveyed by these drawings, details, and specifications.
- Carry out all construction in accordance with the most current provincial and municipal standards and specifications.
- Contractor to coordinate all access and protect the public and users of the site with appropriate control fence and supervision throughout the construction period, to the satisfaction of the Consultant.
- Contract Administrator is to approve access point(s) prior to mobilization.
- Contract Administrator is required to direct all deliveries of machinery or materials to the site.
- Contractor to coordinate and schedule all work with other trades and contractors. Contractor is to notify Contract Administrator of any schedule difficulties.
- Contractor responsible for the removal and off-site disposal of all materials as required to facilitate new construction. Store all items and materials identified by the Consultant for salvage at a location on site as identified by the Consultant. Excavate and remove from site any contaminated material. Dispose of all contaminated material at a licensed landfill facility.
- Maintain site in a clean and orderly state for the duration of construction, perform all work in accordance with the Occupational Health and Safety Act. Remove all excess materials, packaging, and debris from the site.
- Contractor is responsible to take all necessary measures to control dust on the project site and to the satisfaction of the Contract Administrator.
- Contractor is responsible for all lay for construction purposes.
- Contractor is to protect all iron bars. Replace any disturbed bars by Owner at the Contractor expense.
- The Contractor is to notify the Contract Administrator upon completion of the required works to schedule an inspection for acceptance.

GRADING

- Contractor is to verify accuracy of existing topography and survey and report any discrepancies to the Contract Administrator. Commencement of grading is to constitute acceptance of site conditions; no claims for extras will be entertained thereafter.
- Strip topsoil, organic matter, or deleterious material from all areas of the site designated for hard landscaping, or the construction of structures. Strip topsoil to its full depth, exercising caution not to mix topsoil with subsoil.
- 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.
- Contractor to excavate to accommodate hard surface and ensure proper depth of excavation as specified on related drawings; contract details and specifications.
- Match existing grades at limit of work.
- Ensure positive surface drainage of all areas within the limit of work, whether indicated or not, and prevent ponding.
- Refer to geotechnical recommendations (if available) prepared by Geotechnical Engineer for subsurface conditions and construction recommendations. Claims for conditions that could have been ascertained by review of geotechnical report will not be considered.
- The Geotechnical Engineer is to inspect compacted subgrade and construction 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.
- Remove from site all excess excavated material unless instructed otherwise by Consultant.
- Slopes, unless otherwise noted:
 - Walkways - maximum 1:2.1 slope (do not exceed 2% cross slopes).
 - Asphalt and concrete surfaces - minimum 1.0% slope; maximum 5% slope.
 - Soil/ Seed Areas and Plant Beds - minimum 2% slope; maximum 33% slope.
 - Swales - Flat-bottomed per Contract drawings and specification, with maximum side slopes of 3:1 and a minimum slope of 8:1.
- New surfaces are to have smooth, safe, and seamless transition of materials, where construction of proposed surfaces adjoins existing materials. This is applicable for all surfaces soft and hard.

PRODUCT INFORMATION

Install products as per manufacturer specifications. Shop drawings required.

PAVERS

Edge of pavers to receive edge restraint.

- Melville 80 Paver by Permacon
- Location: Patio Area
- Size: ALL
- Pattern: Modular
- Colour: Range Scandina Grey

GATE

- FoldSmart XT Speedgate by Wallace Perimeter Security
- Panel Height: 1.8m (6')
- Width: 4.57m (15')
- Panel Infill: Vertical Picket Infill
- Optional: Barb Wire Anti-Climb Edge. Dual head card reader pedestal. Card reader to enter and exit. CCTV and intercom attachment at entrance and exit.
- Finish: Hot Dipped Galvanized Steel

Contractor to coordinate:

- Distance the pedestal for card reader is from bi-fold gate
- How many bollards and where
- Refer to Manufacturer Specifications regarding mounting adjoining fence material to columns.
- How far the curb needs to be cut back to install the gates.

SITE FURNITURE

Fasten all site furnishing to surface with stainless steel anti-vandal anchors.

- Bike Rack by Maglin
- Product Number: MBR-0100-00003
- Mounting Type: Surface Mount
- Colour: Black

- *210 Cluster Seating by Maglin
- Product Number: MTC-010-00064
- Material: Thermally Modified Ash Wood
- Colour: Black
- Mounting Type: Surface Mount
- Option: Umbrella Mount

Flag Pole by Ottawa Flag Shop

Material: Aluminum

Finish: Satin

Top: Rotating cap or ball

Flag Assembly: for 3' flags, 3' x6' flags included (not custom)

Option: One piece, cone tapered, internal halyard chain, stainless steel cable and hardware, retaining ring and weight, door lock and key, lift anchor and shoe base

Instructions: Ottawa Flag Shop will mark and locate, install anchor cage in concrete base, assemble deliver and erect flag poles. NOTE TO CONTRACTOR - 2 to 3 MONTH LEAD TIME REQUIRED. PLAN ACCORDINGLY.

SEED - WETLAND HABITAT
Seed mix for wetland restoration.

| Rate | Botanical Name | Common Name |
|------|-------------------------------|----------------------|
| 10% | <i>Andropogon gerardii</i> | Big Blue Stem |
| 1% | <i>Asclepias incarnata</i> | Swamp Milkweed |
| 1% | <i>Aster pulchellus</i> | Purplestem Aster |
| 3% | <i>Carex crinita</i> | Fringe Sedge |
| 5% | <i>Carex scoparia</i> | Blunt Broom Sedge |
| 2% | <i>Carex stipata</i> | AWL Sedge |
| 23% | <i>Carex vulpinoidea</i> | Fox Sedge |
| 2% | <i>Desmodium canadense</i> | Showy Tick Trefoil |
| 21% | <i>Elymus virginicus</i> | Virginia Wild Rye |
| 2% | <i>Eupatorium maculatum</i> | Spotted Joe Pye Weed |
| 2% | <i>Eupatorium perfoliatum</i> | Boneset |
| 3% | <i>Euthamia graminifolia</i> | Grassleaf Goldenrod |
| 3% | <i>Helenium autumnale</i> | Sneezeweed |
| 2% | <i>Helopsis helianthoides</i> | Ox Eye Sunflower |
| 1% | <i>Monarda fistulosa</i> | Wild Bergamot |
| 5% | <i>Panicum virgatum</i> | Switchgrass |
| 10% | <i>Sorghastrum nutans</i> | Indian Grass |
| 4% | <i>Verbena hastata</i> | Blue Verbena |

SEED - EASTERN ECOTYPE PARKING LOT MIX
Stabilizes slopes greater than 3:1.

| Rate | Botanical Name | Common Name |
|------|--------------------------------|-------------------|
| 1% | <i>Agrostis perennans</i> | Autumn Bentgrass |
| 15% | <i>Andropogon gerardii</i> | Big Bluestem |
| 25% | <i>Elymus virginicus</i> | Virginia Wild Rye |
| 6% | <i>Panicum virgatum</i> | Switchgrass |
| 35% | <i>Schizachyrium scoparium</i> | Little Bluestem |
| 18% | <i>Sporobolus cryptandrus</i> | Sand Dropseed |

SEED - RETENTION AREA
Used to stabilize soils in retention basins.

| Rate | Botanical Name | Common Name |
|------|-----------------------------|-------------------|
| 15% | <i>Agrostis hyemalis</i> | Ticklegrass |
| 15% | <i>Agrostis perennans</i> | Autumn Bentgrass |
| 20% | <i>Carex vulpinoidea</i> | Fox Sedge |
| 20% | <i>Elymus virginicus</i> | Virginia Wild Rye |
| 5% | <i>Juncus tenuis</i> | Path Rush |
| 25% | <i>Panicum clandestinum</i> | Deer Tongue |

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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: CITY OF OTTAWA 5494-5510 BOUNDARY ROAD

DRAWING NAME: DETAILS

PROJECT NO.: 118168

REV. NO.: REV # 6

DRAWING NO.: 118168-L2

CITY PLAN NO. 19296

CITY FILE NUMBER: D07-12-24-0117

SOIL AVAILABILITY ESTIMATE

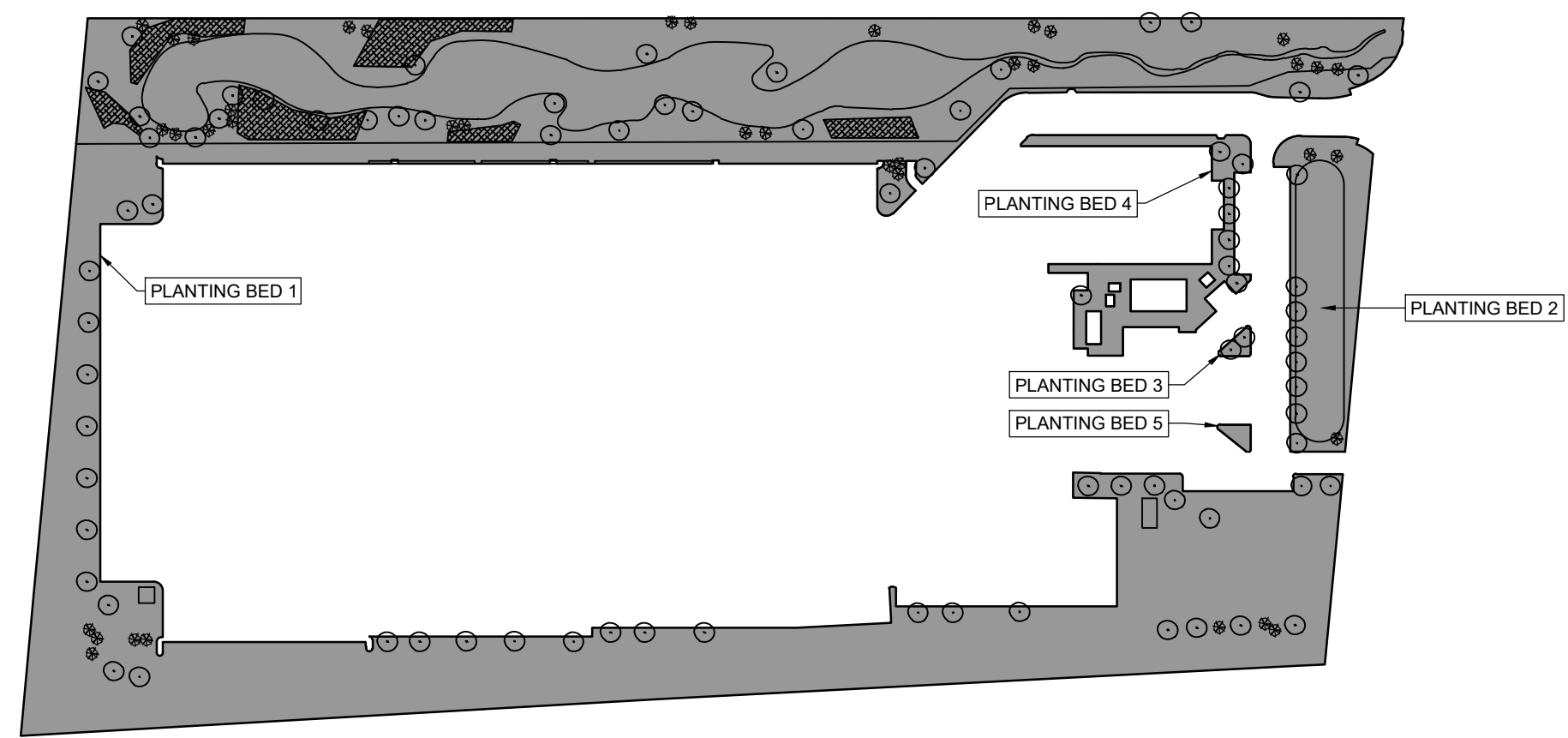
| Planting bed no. | Available Soil Area (sq m) | Available Soil Volume (cu m) | No. of trees proposed | | | | Total No. of trees | Min. required soil volume total (cu m) |
|------------------|----------------------------|------------------------------|-----------------------|---------------|--------------|------------------|--------------------|--|
| | | | Small/Column (25m²) | Medium (30m²) | Large (35m²) | Evergreen (30m²) | | |
| Planting bed 1 | 30273 | 45,410 | 0 | 9 | 53 | 36 | 98 | 2715.00 |
| Planting bed 2 | 2096 | 3,144 | 0 | 2 | 7 | 3 | 12 | 335.00 |
| Planting bed 3 | 57 | 86 | 1 | 1 | 1 | 0 | 2 | 45.00 |
| Planting bed 4 | 1239 | 1,859 | 1 | 3 | 4 | 0 | 8 | 215.00 |
| Planting bed 5 | 46 | 69 | 0 | 0 | 0 | 0 | 0 | 0.00 |

Note: For all planting beds proposed, the available soil depth is considered to be 1.5m.

CANOPY COVER ESTIMATE

| ESTIMATED CANOPY COVERAGE AT MATURITY | | | | |
|---|-----------------------|-------------------------------|-------------------|----------------------------|
| SIZE OF TREE | AVERAGE MATURE SPREAD | CANOPY COVERAGE PER TREE (m²) | QUANTITY OF TREES | TOTAL CANOPY COVERAGE (m²) |
| Deciduous - Small (Column <7.5m tall) | 5m | 20 | 2 | 35 |
| Deciduous - Medium (7.5-14m tall) | 10m | 79 | 14 | 1100 |
| Deciduous - Large (14m+ tall) | 15m | 177 | 64 | 11309 |
| Coniferous | 5m | 20 | 39 | 766 |
| PROPOSED TOTAL CANOPY COVERAGE (m²): | | | | 13214 |
| PROPOSED REFORESTATION PLANTING (m²)*: | | | | 5806 |
| TOTAL SITE AREA (m²): | | | | 84,894 |
| EST. CANOPY COVERAGE (%): | | | | 22% |

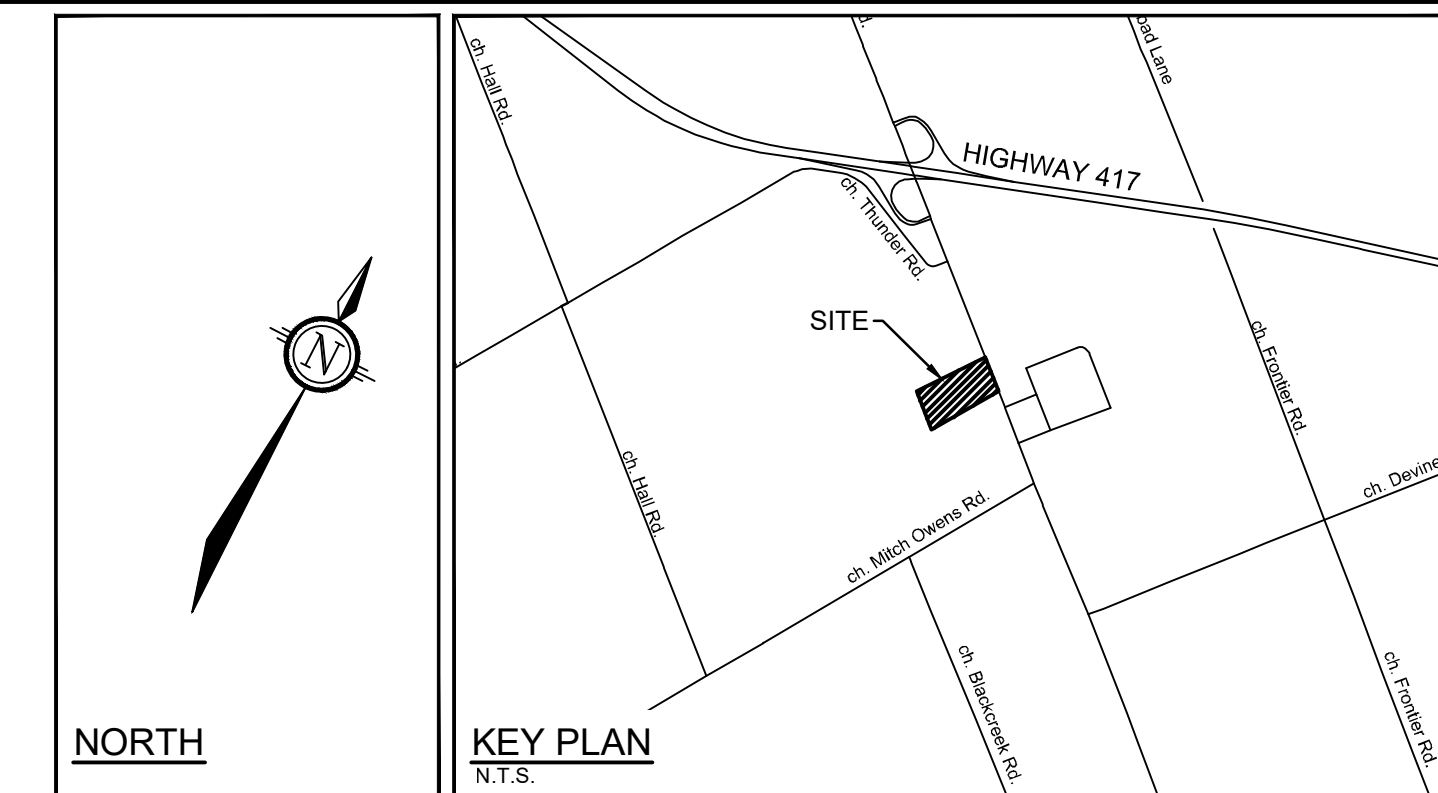
Area of a circle = (r x r) x π
 Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x π
 *NOTE: The canopy cover of reforestation planting is calculated with a 7.5m offset outside of the planting areas in order to account for at-maturity factor.



SOIL AVAILABILITY FIGURE (Not To Scale)

LEGEND

- 3-D1 DETAIL SHEET # NOVATECH DETAIL EG. L1, L2, ETC. NUMBER, SEE LIST FOR CODE
- PROPERTY LIMIT
- PROPOSED CONCRETE
- PROPOSED PAVERS
- PARKING AREA SEED MIX
- RETENTION SEED MIX
- WETLAND SEED MIX
- PROPOSED SANDY BUFFER MIX
- PROPOSED WET SOIL SHRUB MIX
- PROPOSED SOIL SHRUB MIX
- PROPOSED REFORESTATION
- PROPOSED SNOW STORAGE AREA
- ESTIMATED CANOPY COVER OF TREES AT MATURITY
- ESTIMATED CANOPY COVER OF REFORESTATION AREA AT MATURITY
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- SPECIES (SEE PLANT LIST)
- KEY ## QUANTITY
- CHAIN LINK FENCE WITH TURTLE FENCE
- CHAIN LINK FENCE
- TURTLE FENCE
- PROPOSED EV CHARGING, REFER TO ELE
- PROPOSED LIGHT POLE, REFER TO ELE

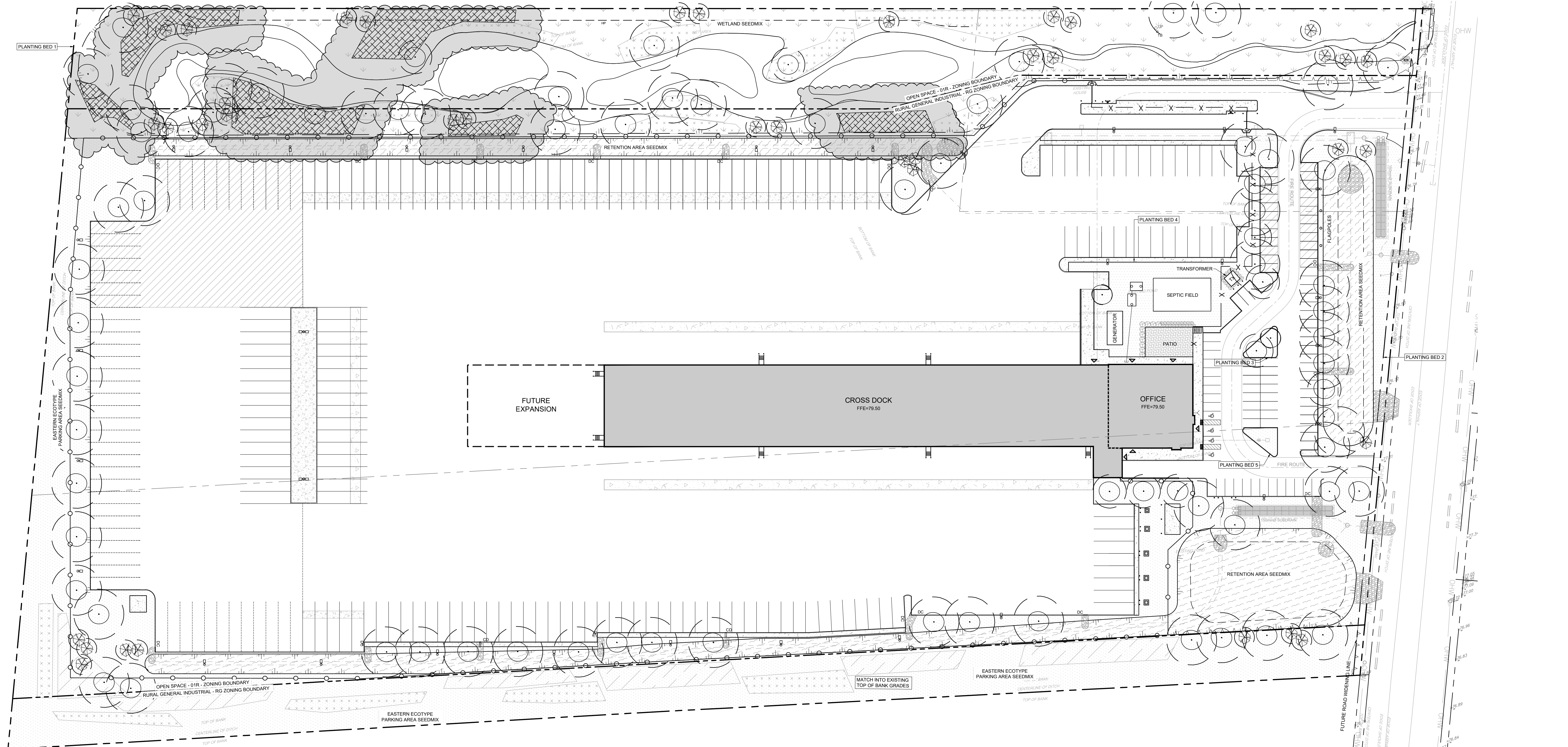


NORTH

KEY PLAN N.T.S.

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.



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:
 DAY & ROSS INC.
 358 MAIN STREET
 HARTLAND,
 NB E7P 1C6

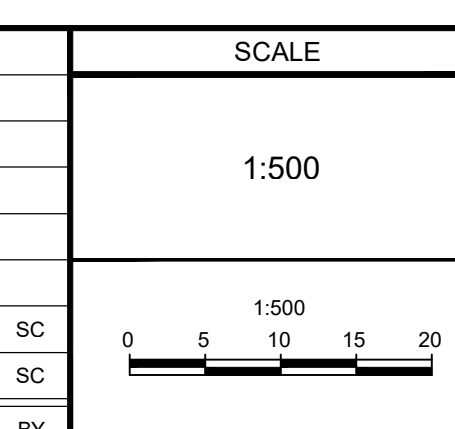
Civil Engineer:
 NOVATECH
 240 MICHAEL COWPLAND
 DRIVE, SUITE 200
 OTTAWA,
 ON K2M 1P6

Surveyor:
 ANNIS O'SULLIVAN,
 VOLLEBEKK LTD.
 14 CONCORRISSE GATE,
 SUITE 500, NEPEAN,
 ON K2E 7S6

Architect:
 N45 ARCHITECTURE INC.
 ROBERT MATTHEWS
 71 BANK STREET,
 7TH FLOOR, OTTAWA,
 ON K1P 5Z2

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 |
|-----|------------------------------------|-----------|----|
| 2 | REVISED PER CITY AND SNCA COMMENTS | NOV 14/25 | SC |
| 1 | ISSUED FOR COMPLETENESS COMMENTS | FEB 27/25 | SC |



FOR REVIEW ONLY

KEW
 KEW/TB
 SC
 SC

NOV 14, 2025

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 Website: www.novatech-eng.com

LOCATION
 CITY OF OTTAWA
 5494-5510 BOUNDARY ROAD

DRAWING NAME
SOIL AND CANOPY PLAN

PROJECT No. 118168
 REV # 2
 DRAWING No. 118168-L3