

SOIL AVAILABILITY ESTIMATE

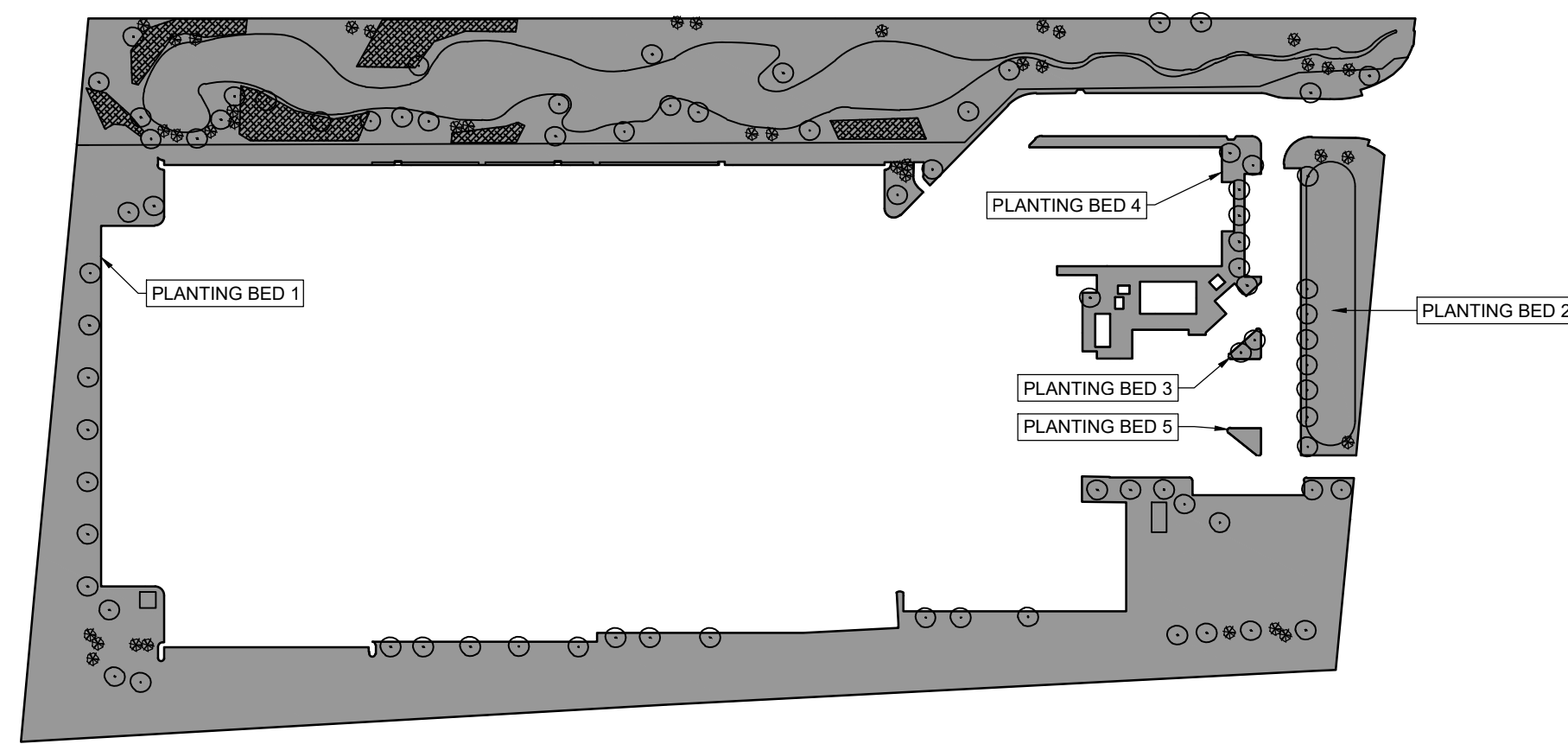
Planting bed no.	Available Soil Area (sq m)	Available Soil Volume (cu m)	No. of trees proposed				Total No. of trees	Min. required soil volume total (cu m)
			Small/Column (25m²)	Medium (30m²)	Large (35m²)	Evergreen (30m²)		
Planting bed 1	30273	45,410	0	9	53	36	98	2715.00
Planting bed 2	2096	3,144	0	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%

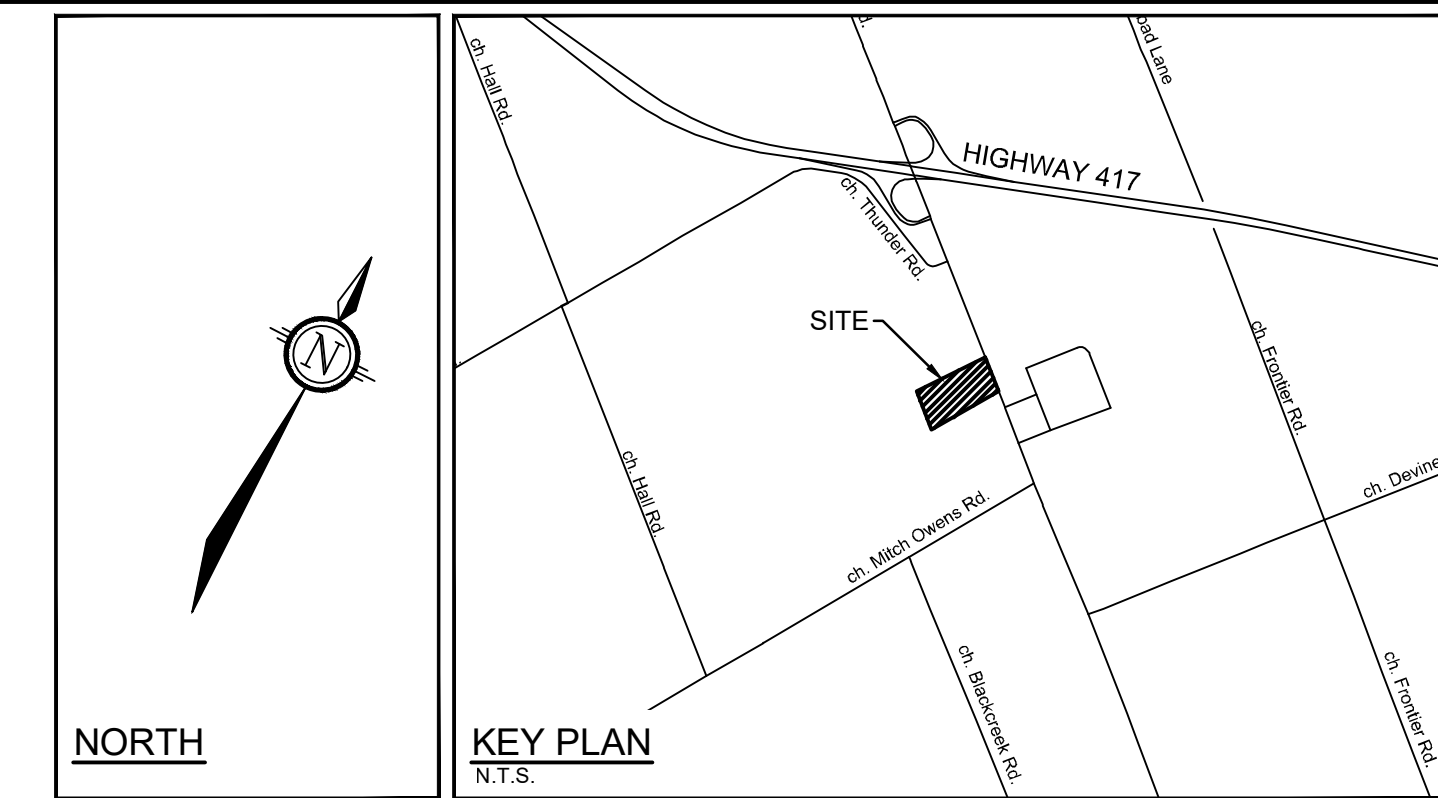
Area of a circle = (r x r) x π
 Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x π
 *NOTE: The canopy cover of reforestation planting is calculated with a 7.5m offset outside of the planting areas in order to account for at-maturity factor.



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
- EV PROPOSED EV CHARGING, REFER TO ELE
- PROPOSED LIGHT POLE, REFER TO ELE

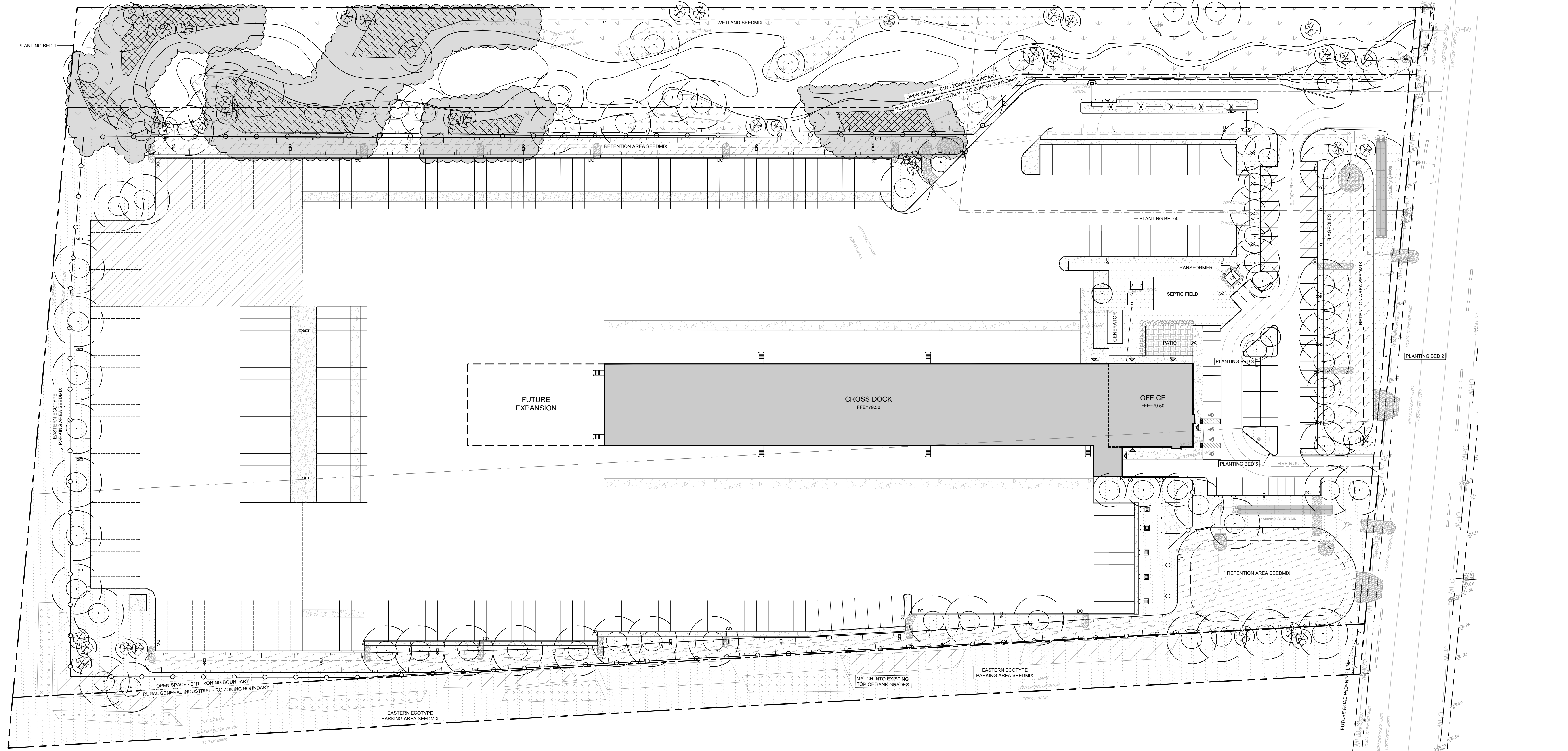


NORTH

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

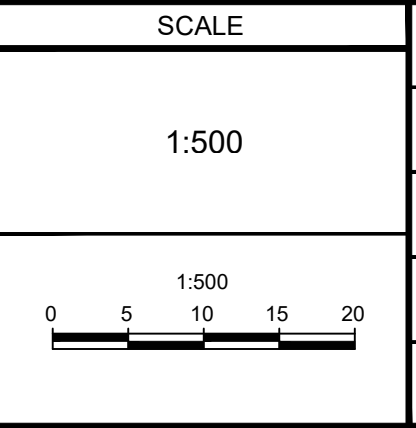
Civil Engineer:
 NOVATECH
 240 MICHAEL COWPLAND
 DRIVE, SUITE 200
 OTTAWA,
 ON K2M 1P6

Surveyor:
 ANNIS O'SULLIVAN,
 VOLLEBEKK LTD.
 14 CONCOLRISSE 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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LOCATION
 CITY OF OTTAWA
 5494-5510 BOUNDARY ROAD

DRAWING NAME
SOIL AND CANOPY PLAN

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