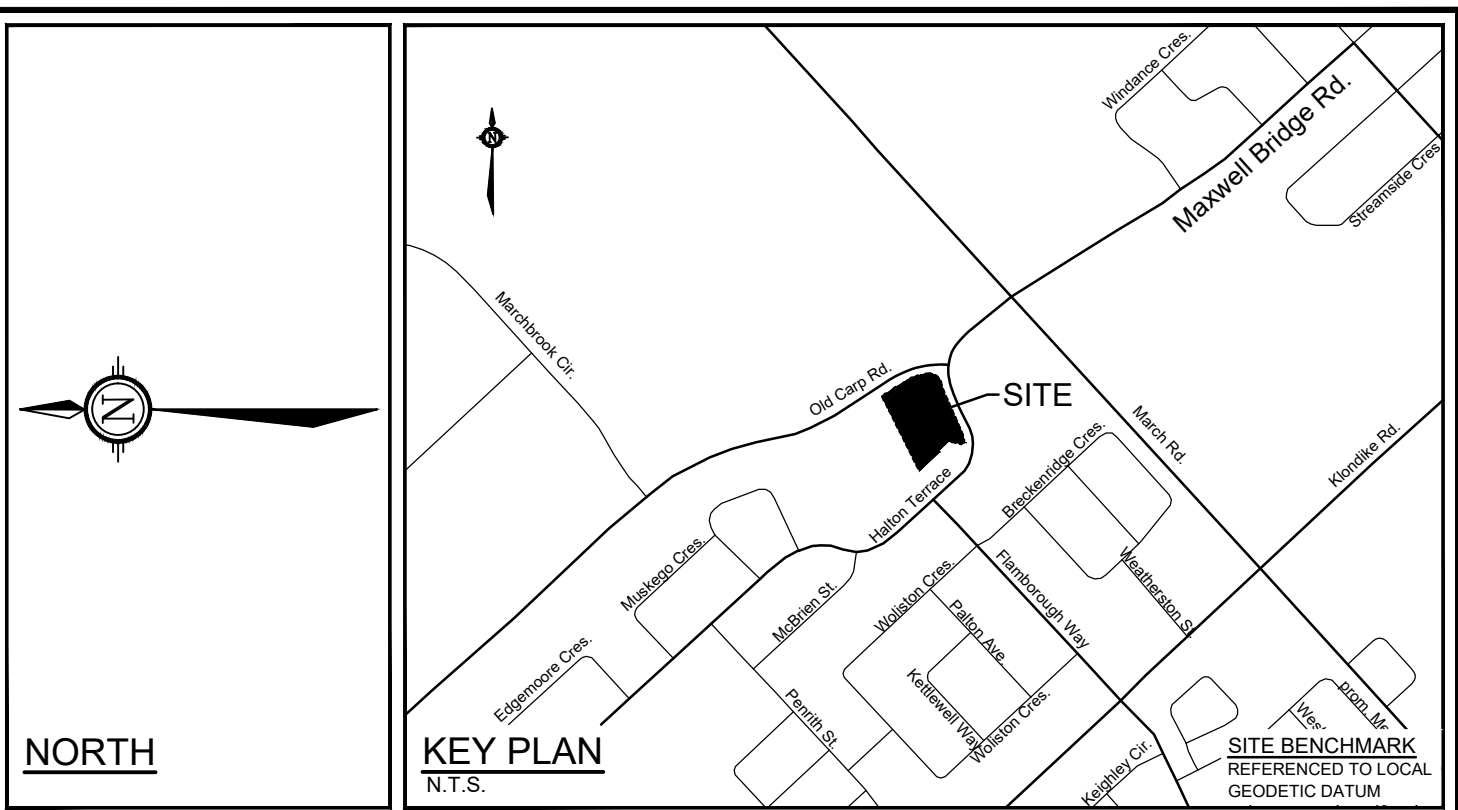
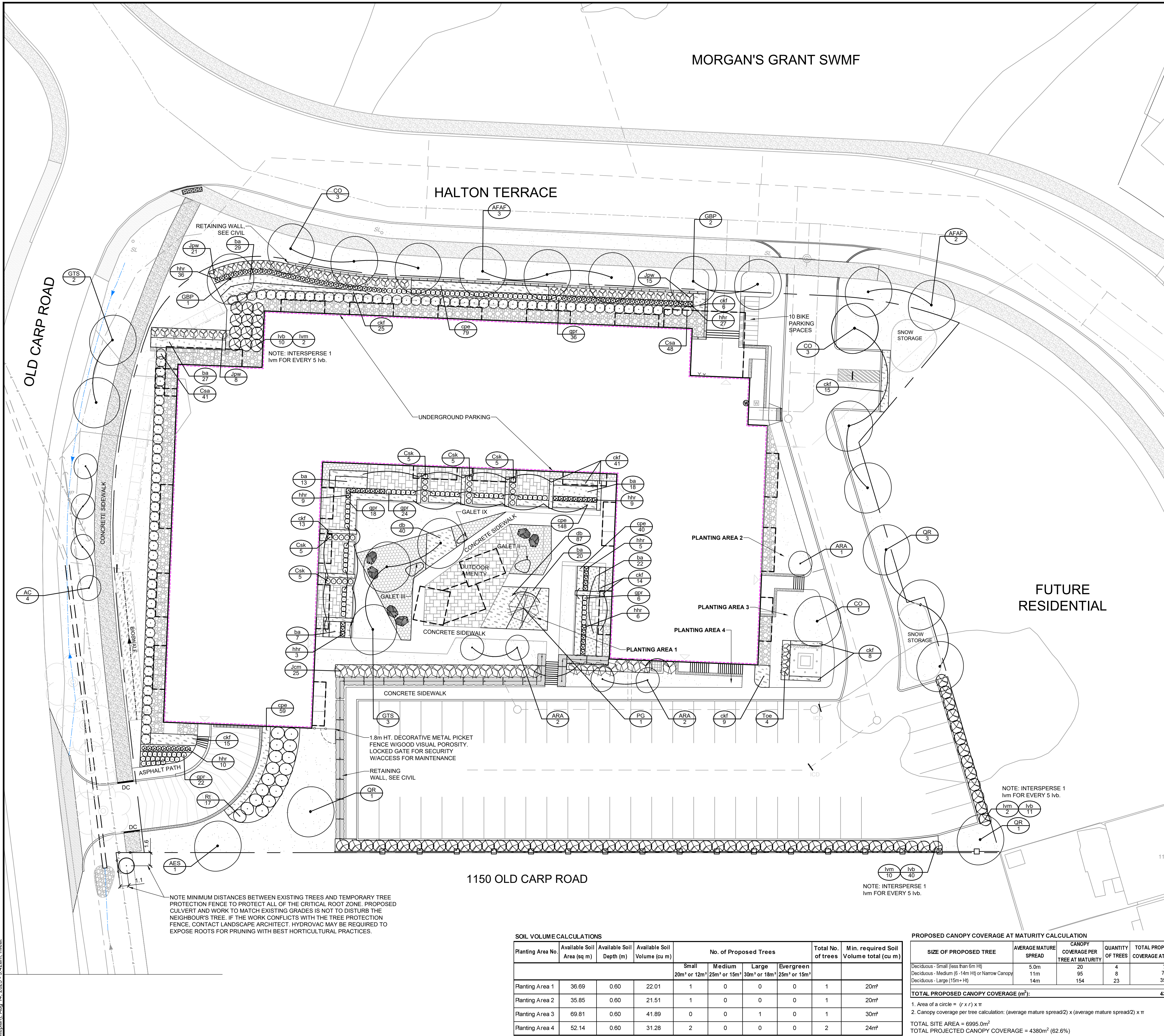


MORGAN'S GRANT SWMF



LEGEND

- PROPERTY LIMIT
- PROPOSED PAVERS
- PEA STONE
- RIVER STONE
- PROPOSED PERENNIALS/SHRUBS
- ORNAMENTAL GRASSES
- DECIDUOUS TREE
- SPECIES (SEE PLANT LIST)
- QUANTITY
- OVERHANG
- UNDERGROUND PARKING
- RETAINING WALL
- BOULDERS RETAINED FROM SITE EXCAVATION, SEE BOULDER NOTE ON SHEET L2
- WOOD PRIVACY FENCE
- TREE PROTECTION FENCE
- SITE FURNISHINGS, SEE SHEET L2 FOR INFORMATION

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, 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 be 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.
 - 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 them in the noted area.

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees						
PG	1	<i>Picea glauca</i>	White Spruce	200cm HT	WB	As Shown
Deciduous Trees						
AES	1	<i>Acer saccharum</i>	Sugar Maple	50mm Cal	WB	As Shown
AFAP	5	<i>Acer x Freeman 'Autumn Fantasy'</i>	Autumn Fantasy Maple	50mm Cal	WB	As Shown
ARA	5	<i>Acer rubrum 'Armstrong'</i>	Armstrong Red Maple	50mm Cal	WB	As Shown
AC	4	<i>Amelanchier canadensis (Single stem)</i>	Shadblow Serviceberry	45mm Cal	WB	As Shown
CO	7	<i>Celtis occidentalis</i>	Hackberry	50mm Cal	WB	As Shown
GBP	3	<i>Ginkgo biloba 'Princeton Sentry'</i>	Princeton Sentry Ginkgo	50mm Cal	WB	As Shown
GTS	5	<i>Gleditsia triacanthos var. inermis 'Shademaster'</i>	Shademaster Honeylocust	50mm Cal	WB	As Shown
QR	5	<i>Quercus rubra</i>	Red Oak	50mm Cal	WB	As Shown
Coniferous Shrubs						
lvb	61	<i>Ilex verticillata 'Berry Poppins'</i>	Berry Poppins Winterberry (Female)	2g	PT	150cm O.C.
lvb	14	<i>Ilex verticillata 'Mr. Poppins'</i>	Mr Poppins Winterberry (Male)	2g	PT	150cm O.C.
Jcm	25	<i>Juniperus chinensis 'Moutbatten'</i>	Moutbatten Juniper	125cm HT	PT	As Shown
Jpw	44	<i>Juniperus horiz. 'Prince Of Wales'</i>	Prince Of Wales Juniper	40cm Spr	PT	120 cm O.C.
Toe	4	<i>Thuja occidentalis 'Smaragd'</i>	Emerald Cedar	200cm HT	PT	100cm O.C.
Deciduous Shrubs						
Csa	89	<i>Cornus sericea 'Farrow'</i>	Arctic Fire Dogwood	50cm HT	PT	100cm O.C.
Csk	25	<i>Cornus sericea 'Kelsey'</i>	Kelsey Dogwood	40cm HT	PT	100cm O.C.
Rt	17	<i>Rhus typhina</i>	Staghorn Sumac	50cm HT	PT	150cm O.C.
Perennials/Vines						
ba	136	<i>Baptisia australis</i>	Blue False Indigo	1g	PT	70cm O.C.
gpr	106	<i>Geranium 'Rozanne'</i>	Rozanne Cranebill	1g	PT	80cm O.C.
hhr	105	<i>Hemerocallis 'Happy Returns'</i>	Happy Returns Daylily	1g	PT	60cm O.C.
Ornamental Grasses						
ckf	147	<i>Calamagrostis acutiflora 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	1g	PT	80cm O.C.
cpe	326	<i>Carex pensylvanica</i>	Pennsylvania Sedge	1g	PT	50cm O.C.
db	127	<i>Deschampsia cespitosa 'Bronzeschleier'</i>	Bronze Veil Tufted Hair Grass	1g	PT	60cm O.C.

SOIL VOLUME CALCULATIONS

Planting Area No.	Available Soil Area (sq m)	Available Soil Depth (m)	Available Soil Volume (cu m)	No. of Proposed Trees				Total No. of trees	Min. required Soil Volume total (cu m)
				Small 20m ² or 12m ²	Medium 25m ² or 15m ²	Large 30m ² or 18m ²	Evergreen 25m ² or 15m ²		
Planting Area 1	36.69	0.60	22.01	1	0	0	0	1	20m ²
Planting Area 2	35.85	0.60	21.51	1	0	0	0	1	20m ²
Planting Area 3	69.81	0.60	41.89	0	0	1	0	1	30m ²
Planting Area 4	52.14	0.60	31.28	2	0	0	0	2	24m ²

PROPOSED CANOPY COVERAGE AT MATURITY CALCULATION

SIZE OF PROPOSED TREE	AVERAGE MATURE SPREAD	CANOPY COVERAGE PER TREE AT MATURITY	QUANTITY OF TREES	TOTAL PROPOSED CANOPY COVERAGE AT MATURITY (m ²)
Deciduous - Small (less than 6m HT)	5.0m	20	4	78
Deciduous - Medium (6-14m HT) or Narrow Canopy	11m	95	8	760
Deciduous - Large (15m+ HT)	14m	154	23	3542
TOTAL PROPOSED CANOPY COVERAGE (m ²):				4380
1. Area of a circle = (r x r) x π 2. Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x π				
TOTAL SITE AREA = 6995.0m ² TOTAL PROJECTED CANOPY COVERAGE = 4380m ² (62.6%)				

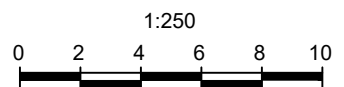
NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED, BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOT FOR CONSTRUCTION

No.	REVISION	DATE	BY
7.	ISSUED FOR CITY SUBMISSION	AUG 14/25	RGJ
6.	ISSUED FOR CITY SUBMISSION	JUL 18/25	RGJ
5.	ISSUED FOR CITY SUBMISSION	MAY 7/25	RGJ
4.	ISSUED FOR CITY SUBMISSION	SEPT 19/24	RGJ
3.	ISSUED FOR CITY SUBMISSION	NOV 9/23	RGJ
2.	ISSUED FOR SITE PLAN APPLICATION	OCT 18/21	RGJ
1.	ISSUED FOR CLIENT REVIEW	OCT 12/21	RGJ

SCALE

1:250



DESIGN

JK/KEW

CHECKED

RGJ

DRAWN

JK/KEW

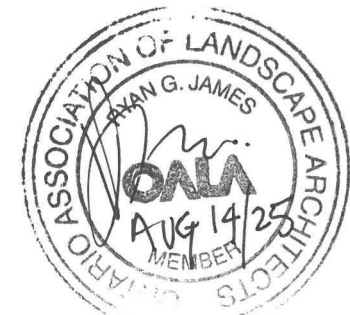
CHECKED

RGJ

APPROVED

RGJ

FOR REVIEW ONLY



NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Copland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
1104 HALTON TERRACE

DRAWING NAME
LANDSCAPE PLAN

PROJECT No.

119024

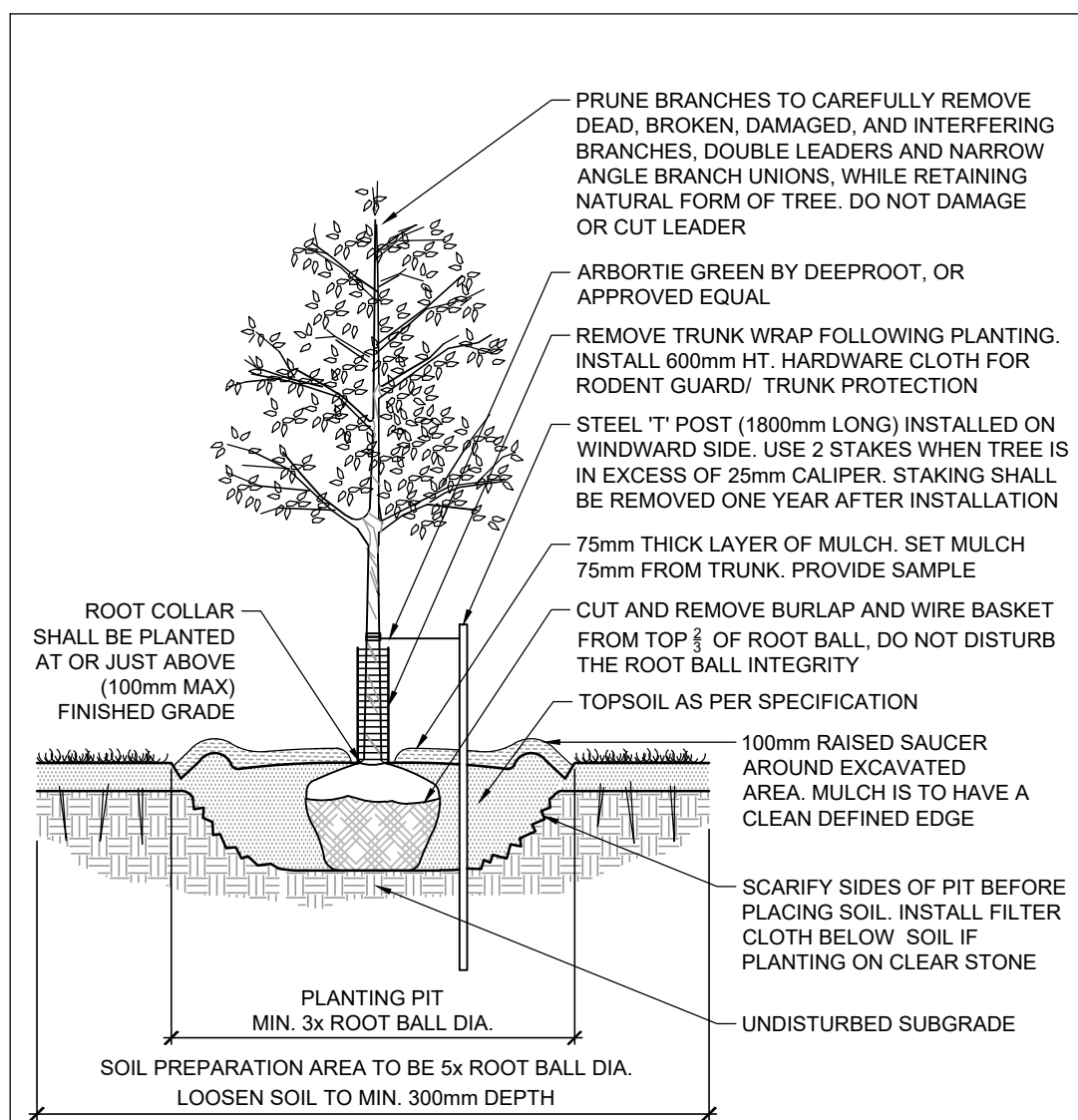
REV

REV # 7

DRAWING No.

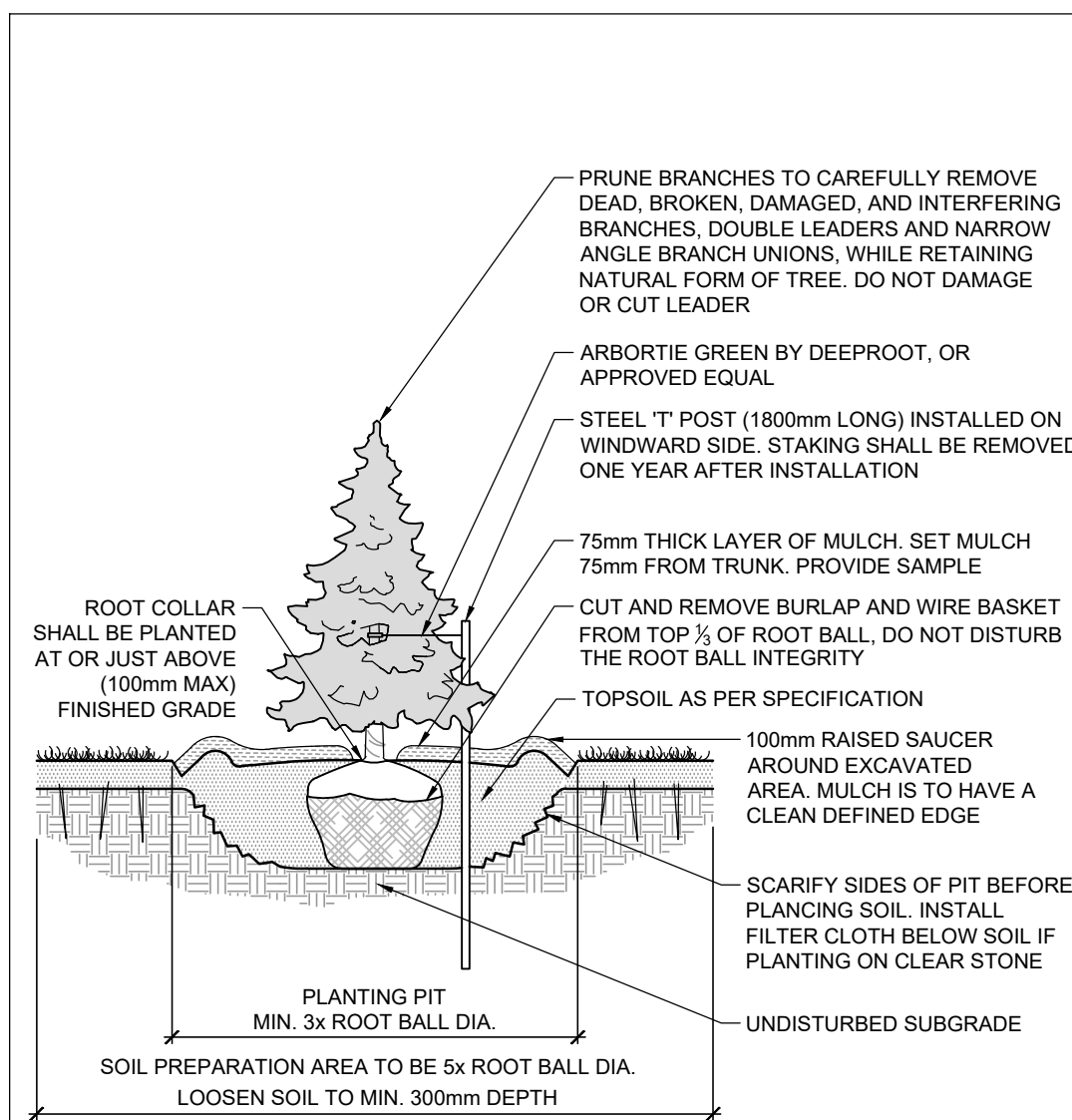
119024-L1

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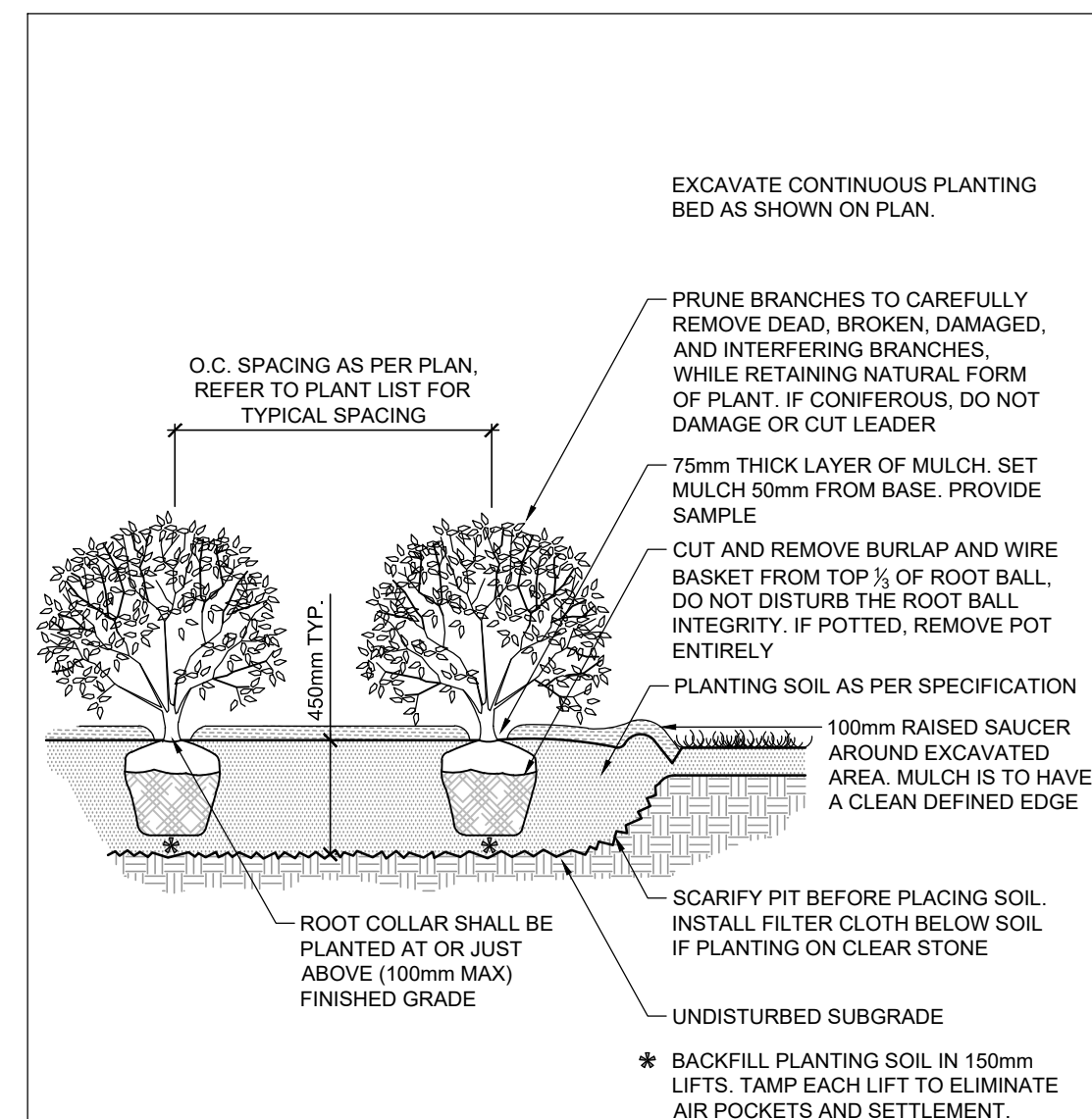
STANDARD DECIDUOUS TREE PLANTING

D1



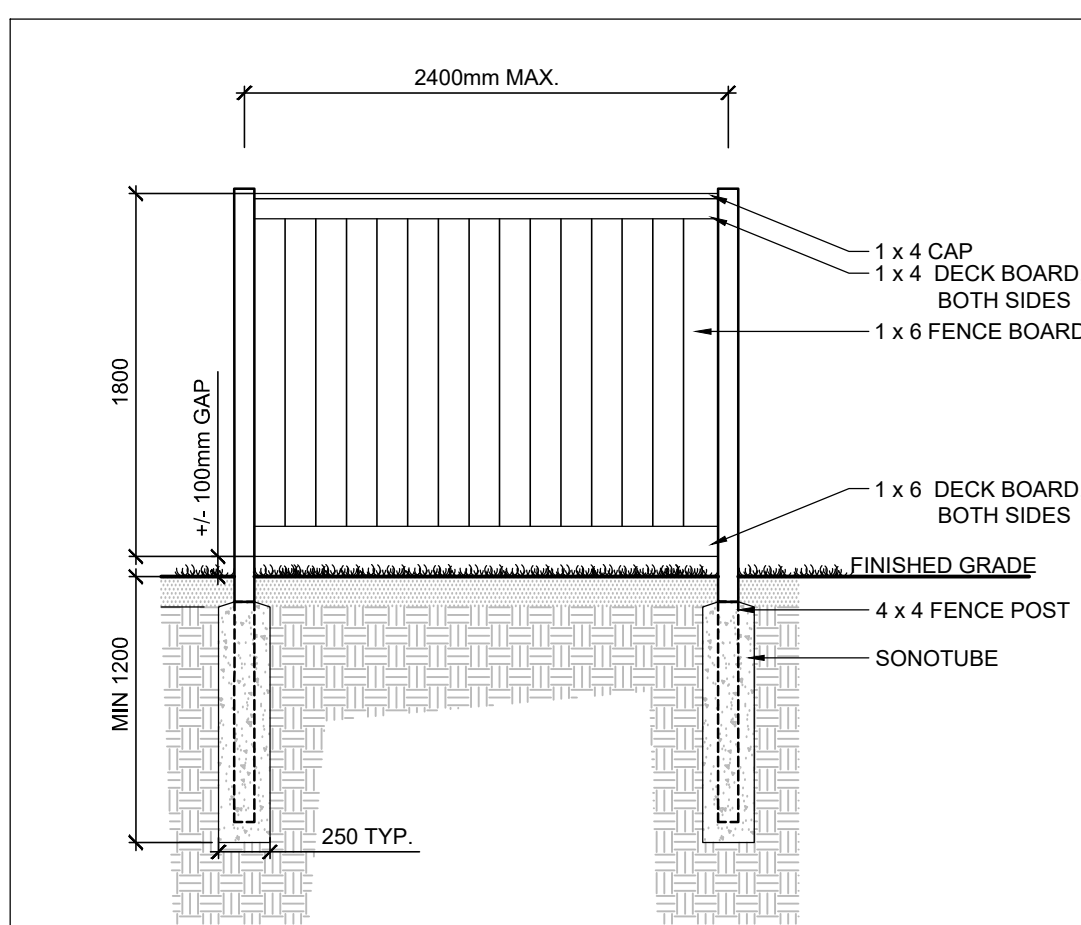
STANDARD CONIFEROUS TREE PLANTING

D2



SHRUB AND PERENNIAL PLANTING

D3

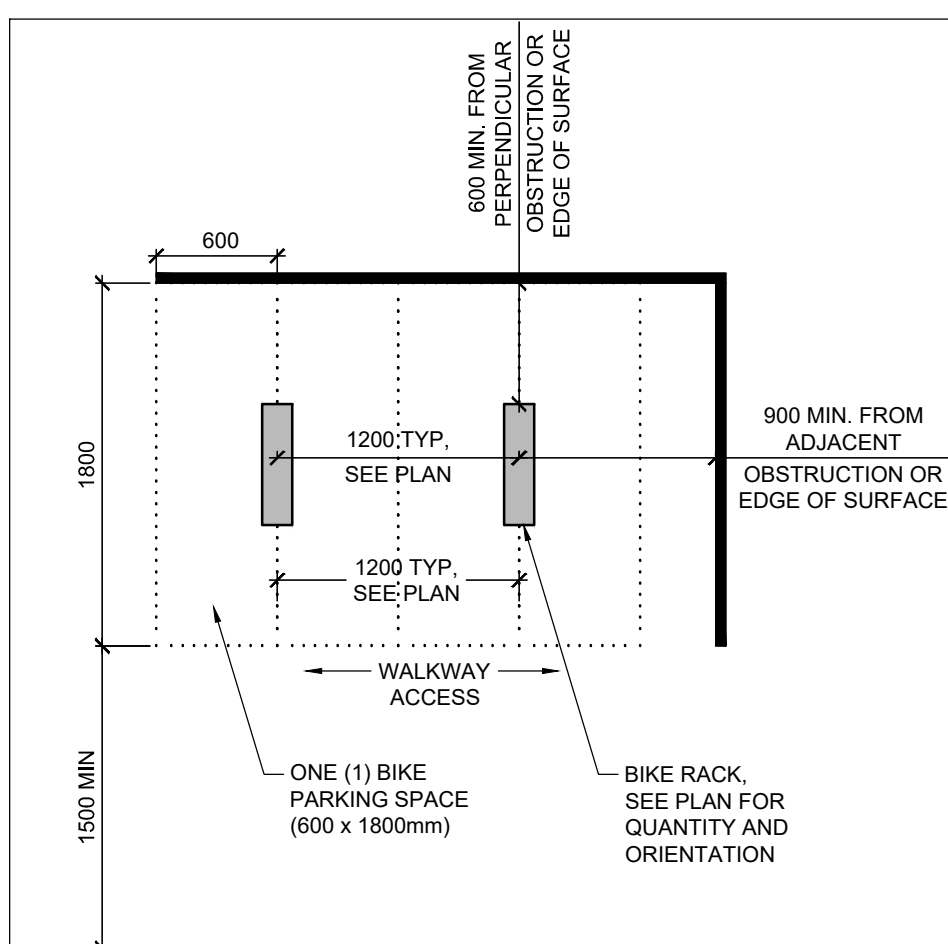


NOTE:

1. ALL WOOD TO BE PRESSURE TREATED SPF OR WESTERN RED CEDAR
2. FASTEN WOOD MEMBERS WITH GALVANIZED SCREWS.
3. ALL CONCRETE TO BE C1 EXPOSURE, 35MPa @28 DAYS, INCLUDING 5-8% AIR ENTRAINMENT.

WOOD SCREEN DETAIL

D4

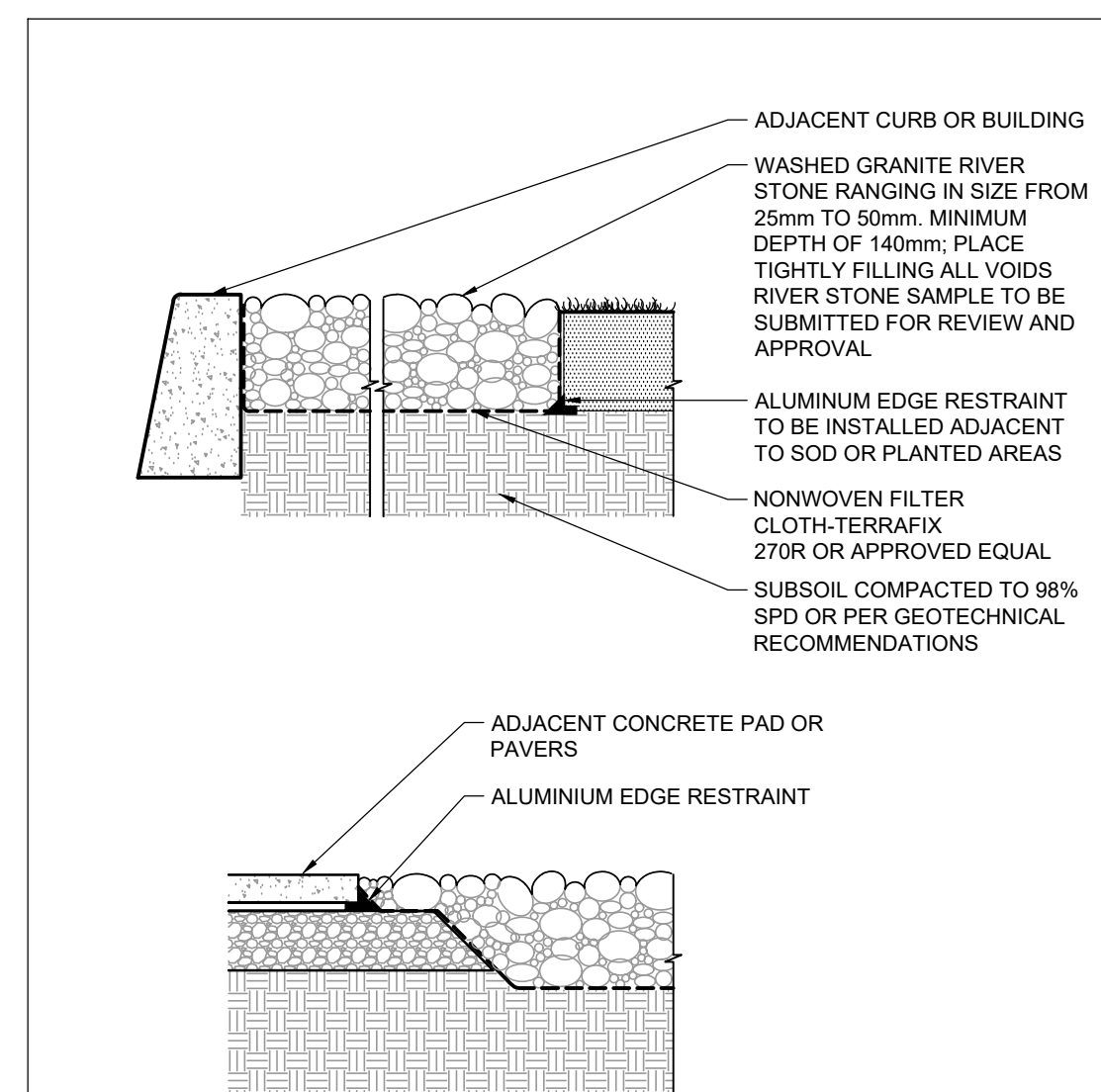


NOTE:

1. FASTEN ALL SITE FURNISHINGS TO SURFACE WITH STAINLESS STEEL ANTI-VANDAL ANCHORS.

BIKE LAYOUT

D5



RIVER STONE

D6

PRODUCT INFORMATION

Install products as per manufacturer specifications. Shop drawings required.

PRECAST SITE FURNITURE

- GALET series by Ed's Concrete Products
Colour: Standard Precast Grey Smooth

PAVERS

Edge of pavers to receive edge restraint.



- **Mega Melville Paver by Permacon**
Size: 80mm x 570mm x 950mm
Pattern: Offset 1/3
Colour: Range Norvick Grey

BOULDERS

Boulders are to be retained from site excavation or grading works. Boulders should be a minimum of 600mm wide x 900mm long.

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
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DAMAGE TO THEM.

NOT FOR
CONSTRUCTION

			SCALE		DESIGN		FOR REVIEW ONLY				LOCATION CITY OF OTTAWA 1104 HALTON TERRACE	
7.	ISSUED FOR CITY SUBMISSION	AUG 14/25	RGJ		JK/KEW		 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		DRAWING NAME		PROJECT No.	
6.	ISSUED FOR CITY SUBMISSION	JUL 18/25	RGJ	CHECKED	RGJ				119024			
5.	ISSUED FOR CITY SUBMISSION	MAY 7/25	RGJ		JK/KEW				REV			
4.	ISSUED FOR CITY SUBMISSION	SEPT 19/24	RGJ	DRAWN	RGJ				REV # 7			
3.	ISSUED FOR CITY SUBMISSION	NOV 6/23	RGJ	CHECKED	RGJ				DRAWING No.			
2.	ISSUED FOR SITE PLAN APPLICATION	OCT 18/21	RGJ		RGJ					119024-L2		
1.	ISSUED FOR CLIENT REVIEW	OCT 12/21	RGJ	APPROVED	RGJ							
No.	REVISION			DATE	BY							

PLANA1.DWG - 841mmx594mm
#18654

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