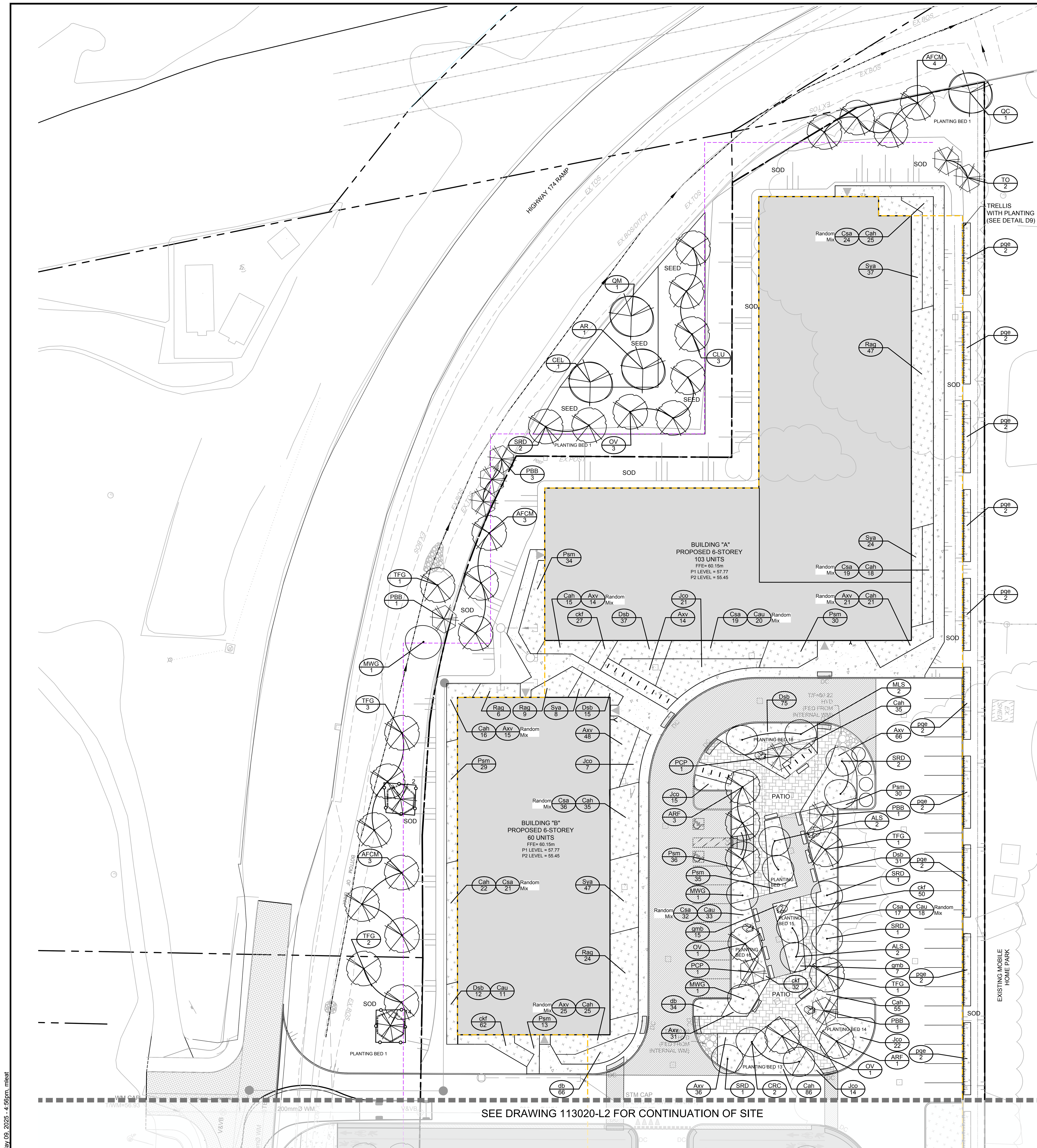


GENERAL

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.

EXISTING CONDITIONS/ SITE PREPARATION

1. Storage of soil stockpile, materials, vehicles, and equipment are not permitted within the municipal road allowance nor within 15m of residential lots.
2. Contractor to maintain all temporary construction and sediment control fence to the satisfaction of Contract Administrator for the duration of construction. Contractor is responsible to remove the fence upon completion.
3. Contractor is to supply, install, and maintain filter fabric protection on and around all existing manholes, catch basins, and utilities. Contractor is responsible to ensure no sediment trespasses neighbouring sites and/or storm system.
4. Contractor is to ensure that existing residential chain link fence is always protected during construction. If fence is damaged by construction activity, Contractor is to reinstate/ repair all fence to pre-construction condition or better to the satisfaction of the Contract Administrator at Contractor expense.
5. All parties are to review and document the condition of curbs, sidewalks, street trees and utilities located within the right-of-way prior to the start of construction. The Contractor is to rectify any damages caused by construction at the Contractor expense.
6. Costs associated with the above notes, where such costs are not identified specifically on the form of tender (bid form) is deemed included in bid Item A1.

PRODUCT INFORMATION

Install products as per manufacturer specifications. Shop drawings required.

PRECAST RETAINING WALL
Refer to grading plan for wall heights.

- Melville Tandem Wall by Permacon
  Pattern: Linear, vertical XX degrees
  Colour: Range Scandina Grey
- Melville Plus 90 Capping Unit by Permacon
  Size: 305mm x 600mm x 90mm
  Colour: Range Shaded Grey

OR

- Melville Plus Step Unit by Permacon
  Size: 400mm x 600mm x 60mm
  Colour: Range Shaded Grey

PAVERS

- Industria 300 Series by Techo-Bloc
  Location: See Legend
  Size: 100mm x 300mm x 100mm
  Pattern: Linear
  Colour: Shale Grey
- Blu 80 Smooth Commercial by Techo-Bloc
  Location: See Legend
  Size: All
  Pattern: Modular laying pattern 01
  Colour: Greyed Nickel
- Brandon Garden Edging Stone by Techo-Bloc
  Location: Separating riverstone maintenance edge and planting beds
  Size: All
  Pattern: Edging
  Colour: Shale Grey

FENCE

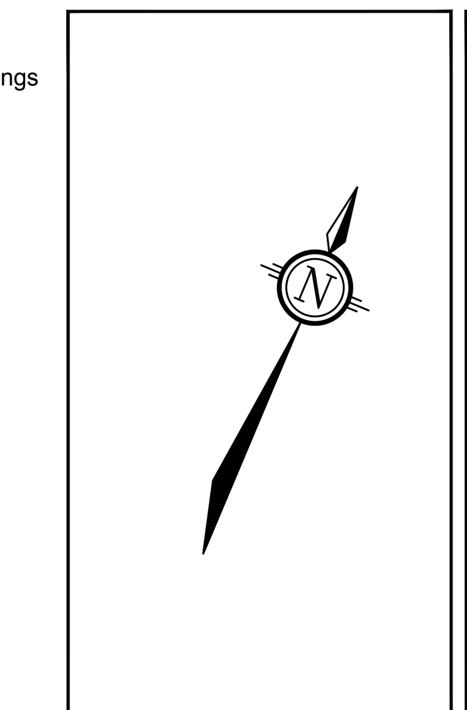
- Iron Eagle I Aluminum Series - Style 2115 by Iron Eagle Industries
  Panel Height: 1524mm
  Colour: Black

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

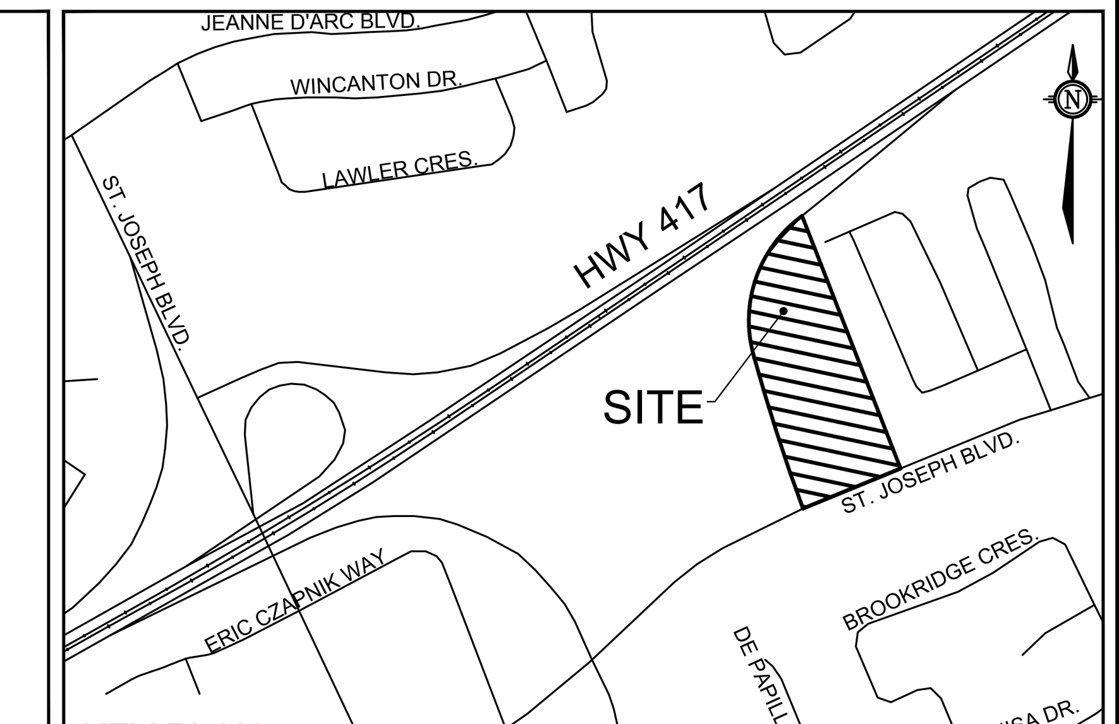
- 720 Backless Bench by Maglin
  Product Number: MBE-0720-00005
  Size: 70" Length
  Frame colour: Gunmetal
  Slats: Ipe
- 720 Backed Bench by Maglin
  Product Number: MBE-0720-00041
  Size: 70.50" Length
  Frame colour: Gunmetal
  Slats: Ipe
  Options: Backed, two end arms
- Iconic Bike Rack by Maglin
  Product Number: MBR-2300-00001
  Fixture: Surface Mount
  Frame Colour: Black

GRADING

1. 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.
2. 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.
3. 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.
4. Contractor to excavate to accommodate hard surface and ensure proper depth of excavation as specified on related drawings, contract details and specifications.
5. Match existing grades at limit of work.
6. Ensure positive surface drainage of all areas within the limit of work, whether indicated or not, and prevent ponding.
7. 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.
8. The Geotechnical Engineer is to inspect compacted subgrade prior to placement of granular material.
9. Sub-excavate and replace any soft areas evident from compaction with suitable material that is frost compatible with the existing soils as recommended by the Geotechnical Engineer.
10. Remove from site all excess excavated material unless instructed otherwise by Consultant.
11. Slopes, unless otherwise noted:
    a. Walkways - maximum 12:1 slope (do not exceed 2% cross slopes).
    b. Asphalt and concrete surfaces - minimum 1.0% slope; maximum 5% slope.
    c. Sod/ Seed Areas and Plant Beds - minimum 2% slope; maximum 33% slope.
    d. Swales - Flat-bottomed per Contract drawings and specification, with maximum side slopes of 3:1 and a minimum slope of 8:1.
12. 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.



NORTH



KEY PLAN
N.T.S.

TREE PROTECTION

Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:

1. The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
2. Under the guidance of a Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees. Diameter at breast height (DBH) is the trunk diameter measured at 1.3m height on the tree trunk. The CRZ is calculated as DBH x 10. Refer to the Tree Protection Fence detail.
3. Refer to the Tree Protection Plan for fence location. City Forestry Staff are to approve both the plan and the installed fence prior to work commencement.
4. Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.
5. Do not attach any signs, notices, or posters to any tree.
6. Do not disturb, raise, or lower the existing grade within the CRZ without approval.
7. Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ; absolutely no machinery permitted.
8. Do not damage the root system, trunk, or branches, or any tree.
9. Do not extend hard surface or significantly change landscaping.
10. Ensure that exhaust fumes from all equipment are directed away from any tree canopy.
11. When trees marked for removal overlap with the CRZ of trees marked for preservation: cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the ground within the CRZ.
12. Prior to work taking place, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection, Excavation of Root Zone.
13. If damaged or objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown.
14. Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape Architect.
15. The Landscape Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures prior to fence movement.
16. City of Ottawa By-law: Protects municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

TREE PLANTING IN SENSITIVE CLAY

1. The landscape plans have been developed in accordance with the Geotechnical Report Geotechnical Investigation, Nathan F.S. Christie, November 15, 2019, which includes the letter/memo Sok Kim, January 3,2023, and map Test Hole Location Plan, November 2019 that confirms the categories and locations of clay soils.
2. The following City of Ottawa clay soils guideline applies: Guidelines for Tree Planting in Sensitive Marine Clay Soils (2017).
3. The soil volumes provided are sufficient for a reasonable chance of tree survival. Unless otherwise noted, all new trees on City property meet the minimum soil volume requirements of the following, based on a depth of 1.5m below finished grade, and subtracting the volume of utility trenches.

   a. Small tree (mature height up to 7.5m) - 25m3/ minimum soil volume provided.
   b. Medium tree (mature height 7.5-14m) - 30m3/ minimum soil volume provided.

LEGEND

- 3-D1 — DETAIL SHEET # EG. L1, L2, ETC. — NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE
- PROPERTY LIMIT
- LIMIT OF U/G STRUCTURE
- 7.5m BUILDING FOUNDATION OFFSET - REFER TO TREE PLANTING IN SENSITIVE CLAY NOTE
- PROPOSED CONCRETE
- PROPOSED PAVERS - INDUSTRIA 300 SERIES
- PROPOSED PAVERS - BLU 80 SMOOTH COMMERCIAL
- PLANTING BED
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- EXISTING TREE TO REMAIN
- TREE PROTECTION FENCE
- PROPOSED BIKE PARKING
- PROPOSED DECORATIVE FENCE
- PROPOSED BENCH
- PROPOSED TRELLIS
- PROPOSED DECORATIVE ROCK ACCENT FEATURES

NOVATECH DETAILS

Found on Sheet L3.

- D1. Standard Deciduous Tree Planting
- D2. Standard Coniferous Tree Planting
- D3. Shrub and Perennial Planting
- D4. Tree Protection Fence
- D5. Reforestation
- D6. Wood Screen Detail
- D7. Bike Layout
- D8. Bench
- D9. Trellis
- D10. Roof Planting
- D11. Roof Paving

TREE QUANTITIES AND OWNERSHIP

TOTAL QTY OF PROPOSED CALIPER TREES: **113**

PROPOSED TREES - CITY OF OTTAWA OWNERSHIP: L1 - 25
PROPOSED TREES - PRIVATE OWNERSHIP: L1 - 35
TOTAL QTY OF PROPOSED CALIPER TREES - L1 - 60

PLANT LIST

L1 - Plant List

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	Native Status
Coniferous Trees							
PBB	6	*Picea pungens 'Baby Blue'*	Baby Blue Colorado Spruce	200cm Ht	WB	As Shown	Native Cultivar
PCP	2	*Pinus cembra 'Algonquin Pillar'*	Algonquin Pillar Swiss Stone Pine	200cm Ht	BBC	As Shown	Exotic
TO	2	*Thuja occidentalis*	Eastern White Cedar	200cm Ht	WB	As Shown	Native
Deciduous Trees							
ALS	4	*Amelanchier laevis 'Spring Flurry'*	Spring Flurry Serviceberry	50mm Cal	WB	As Shown	Native
AFCM	10	*Acer x freemanii 'Celzam'*	Celebration Maple	50mm Cal	WB	As Shown	Native Cultivar
AR	1	*Acer rubrum*	Red Maple	50mm Cal	WB	As Shown	Native
ARF	4	*Acer rubrum 'Autumn Flame'*	Autumn Flame Red Maple	50mm Cal	WB	As Shown	Native Cultivar
CEL	1	*Celtis occidentalis*	Hackberry	50mm Cal	WB	As Shown	Native
CLU	3	*Cladrastis kentukea (formerly 'lutea')*	Yellowood	50mm Cal	WB	As Shown	Near Native
CRC	2	*Crataegus crus-galli 'Inermis'*	Thornless Cockspur Hawthorn	50mm Cal	WB	As Shown	Native Cultivar
MWG	3	*Malus 'Winter Gold'*	Winter Gold Crabapple	50mm Cal	WB	As Shown	Native Cultivar
OV	5	*Ostrya virginiana*	Hop-hornbeam, Ironwood	50mm Cal	WB	As Shown	Native
QC	1	*Quercus coccinea*	Scarlet Oak	50mm Cal	WB	As Shown	Native
QM	1	*Quercus macrocarpa*	Burr Oak	50mm Cal	WB	As Shown	Native
SRD	7	*Sorbus decora*	Showy Mountain-Ash	50mm Cal	WB	As Shown	Native
TFG	8	*Tilia flavescens 'Glenleven'*	Glenleven Linden	50mm Cal	WB	As Shown	Native Cultivar
Coniferous Shrubs							
Jco	79	*Juniperus horizontalis 'Plumosa Compacta'*	Compact Andorra Juniper	40cm Spr	PT	150cm O.C	Native Cultivar
Psm	207	*Pinus mugo 'Slowmound'*	Slow mound Mugho Pine	40cm Spr	PT	100cm O.C	Native Cultivar
Deciduous Shrubs							
Axv	270	*Aronia x prunifolia 'Viking'*	Viking Black Chokecherry	60cm Ht	PT	80cm O.C	Native Cultivar
Cah	353	*Clethra alnifolia 'Hummingbird'*	Hummingbird Summersweet	50cm Ht	PT	80cm O.C	Native Cultivar
Cau	82	*Cornus sanguinea 'Arctic Sun'*	Arctic Sun Dogwood	60cm Ht	PT	100cm O.C	Native Cultivar
Csa	168	*Cornus sericea 'Farrow'*	Arctic Fire Dogwood	60cm Ht	PT	100cm O.C	Native Cultivar
Dsb	170	*Diervilla splendens 'Firefly' (BOKOFIRE)*	Firefly Bush Honeysuckle	60cm Ht	PT	70cm O.C	Native Cultivar
Rag	86	*Rhus aromatica 'Gro-Low'*	Gro-Low Fragrant Sumac	60cm Ht	PT	160cm O.C	Native Cultivar
Sya	116	*Symphoricarpos albus*	Snowberry	50cm Ht	PT	100cm O.C	Native
Perennials							
gmb	22	*Geranium macrorrhizum 'Bevans'*	Bevans Variety	1g	PT	50cm O.C	Exotic
pqe	20	*Parthenocissus quinquefolia 'Engelmannii'*	Engelman's Ivy	1g	PT	100cm O.C	Exotic
Ornamental Grasses							
ckf	171	*Calamagrostis acutiflora 'Karl Foerster'*	Karl Foerster Feather Reed Grass	1g	PT	60cm O.C	Exotic
dc	100	*Deschampsia cespitosa*	Tufted Hair Grass	1g	PT	60cm O.C	Native

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.

SURVEYOR:
BRIAN J WEBSTER - STANTEC

CIVIL ENGINEER:
FRANCOIS THAUVETTE - NOVATECH

MECHANICAL ENGINEER:
RYAN CHARTRAND - COSMEL

LANDSCAPE ARCHITECT:
SCOTT COVELL - NOVATECH

ARCHITECT:
NICOLAS CLOUTIER - LEMAY MICHAUD

URBAN PLANNERS:
TYLER YAKICHUK - FOTENN

OWNER INFORMATION
8417709 CANADA INC.
430 boulevard de l'hôpital, Suite 310
Gatineau, QC J8V 1T7
NAME: PAUL-ANDRÉ CHARBONNEAU
PHONE: (819) 955-8032
EMAIL: paul-andre@chartro.ca

No.	REVISION	DATE	BY
5.	REVISED PER CITY COMMENTS	MAY 9/25	SC
4.	RE-ISSUED FOR SPA	DEC 24/24	RJ
3.	ISSUED FOR SPA	JUL 19/24	RJ
2.	ISSUED FOR COORDINATION	MAY 30/24	RJ
1.	ISSUED FOR COORDINATION	FEB 16/24	RJ

SCALE 1:300

DESIGN KW
CHECKED SC
DRAWN ML
CHECKED SC
APPROVED SC

FOR REVIEW ONLY

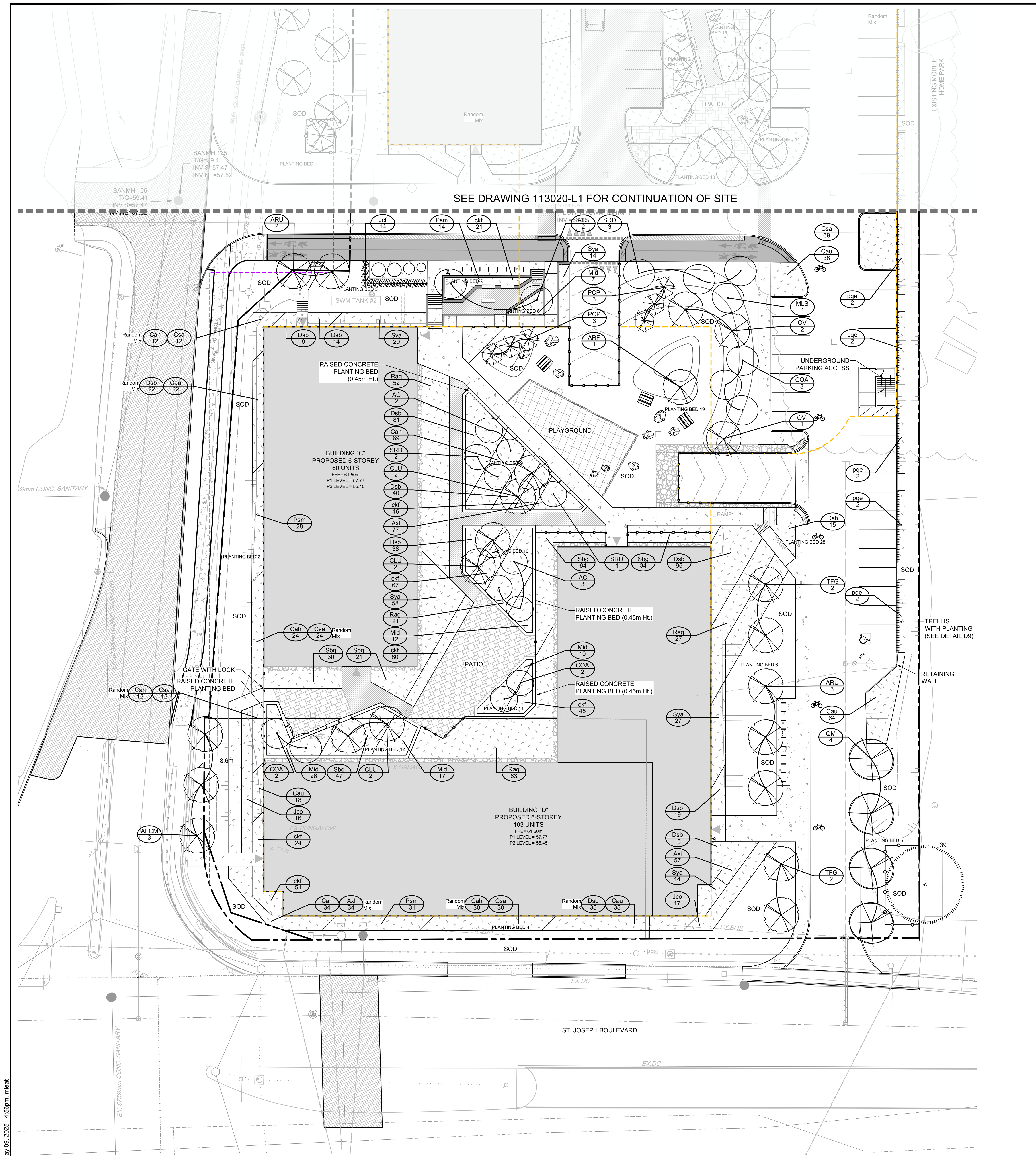
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — D. SCOTT COVELL — MAY 9, 2025 — MEMBER

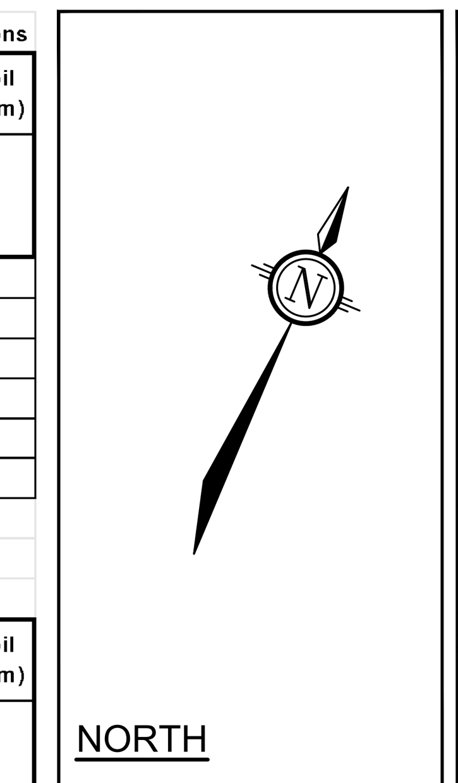
NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

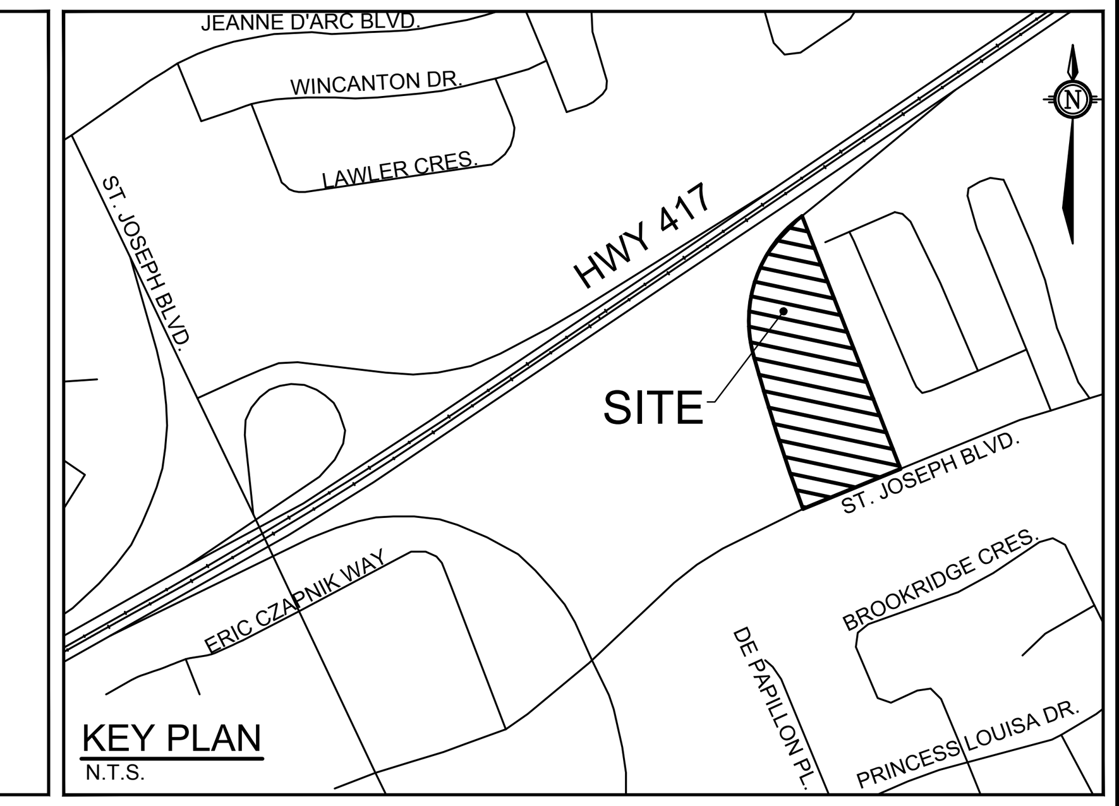
LOCATION
CITY OF OTTAWA
CHARTO LANDS - 3459 & 3479 ST. JOSEPH BOULEVARD

DRAWING NAME
LANDSCAPE PLAN

PROJECT No. 113020-00
REV # 5
DRAWING No. 113020-L1







Sensitive Marine Clay Soil Volume — Soil calculations

Planting bed no.	Available Soil Area (sq m)	Available Soil Volume (cu m)	No. of trees proposed: Small/ Column (25m³)	Medium (30m³)	Large (35m³)	Evergreen (30m³)	Existing trees (Evergreen) (30m³)	Total No. of trees	Min. required Soil volume total (cu m)
Planting bed 1	4493	6,739.50	1	16	1	6	2	26	780.00
Planting bed 2	673.00	1,009.50		4				4	120.00
Planting bed 3	130.00	195.00		1				1	30.00
Planting bed 4	689.00	1,033.50		2				2	60.00
Planting bed 5	351.00	526.50			4			4	140.00
Planting bed 6	403.00	604.50		5				5	150.00

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

Standard Soil Volume - for Single Trees

Planting bed no.	Available Soil Area (sq m)	Available Soil Volume (cu m)	No. of trees proposed: Small/ Column (20m³)	Medium (25m³)	Large (30m³)	Evergreen (25m³)	Existing trees (Evergreen) (25m³)	Total No. of trees	Min. required Soil volume total (cu m)
Planting bed 7 - 3m depth	18.50	55.50	1					1	25.00
Planting bed 8 - 2.5m depth	9.00	22.50	1					1	25.00

Standard Soil Volume - for Multiple Trees

Planting bed no.	Available Soil Area (sq m)	Available Soil Volume (cu m)	No. of trees proposed: Small/ Column (12m³)	Medium (15m³)	Large (18m³)	Evergreen (15m³)	Existing trees (Evergreen) (15m³)	Total No. of trees	Min. required Soil volume total (cu m)
Planting bed 9 - 0.73m depth	136.00	99.28	5	2				7	90.00
Planting bed 10 - 0.73m depth	97.50	71.18	3	2				5	66.00
Planting bed 11 - 0.73m depth	33.00	24.09	2					2	24.00
Planting bed 12 - 0.73m depth	95.00	69.35	3	1				4	51.00
Planting bed 13 - 1.5m depth	83.00	124.50	2	2				4	54.00
Planting bed 14 - 1.5m depth	193.00	289.50		7		2		9	135.00
Planting bed 15 - 1.5m depth	30.00	45.00		2				2	30.00
Planting bed 16 - 1.5m depth	135.00	202.50	2	4		1		7	99.00
Planting bed 17 - 1.5m depth	30.00	45.00		2				2	30.00
Planting bed 18 - 1.5m depth	61.00	91.50		2		1		3	45.00
Planting bed 19 - depth varies	707.50	410.00		13		6		19	285.00

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	19	373
Deciduous - Medium (7.5-14m tall)	10m	79	64	5027
Deciduous - Large (14m+ tall)	15m	177	6	1060
Coniferous	5m	20	18	353
PROPOSED TOTAL CANOPY COVERAGE (m2):				6813
TOTAL SITE AREA (m2):				**17,813**
EST. CANOPY COVERAGE (%):				**38%**

Area of a circle = $(r \times r) \times \pi$

Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x π

PRODUCT INFORMATION

Install products as per manufacturer specifications. Shop drawings required.

PRECAST RETAINING WALL
Refer to grading plan for wall heights.

- Melville Tandem Wall by Permacon
  Pattern: Linear, vertical XX degrees
  Colour: Range Scandina Grey
- Melville Plus 90 Capping Unit by Permacon
  Size: 305mm x 600mm x 90mm
  Colour: Range Shaded Grey

OR

- Melville Plus Step Unit by Permacon
  Size: 400mm x 600mm x 60mm
  Colour: Range Shaded Grey

PAVERS

- Industria 300 Series by Techo-Bloc
  Location: See Legend
  Size: 100mm x 300mm x 100mm
  Pattern: Linear
  Colour: Shale Grey
- Blu 80 Smooth Commercial by Techo-Bloc
  Location: See Legend
  Size: All
  Pattern: Modular laying pattern 01
  Colour: Greyed Nickel
- Brandon Garden Edging Stone by Techo-Bloc
  Location: Separating riverstone maintenance edge and planting beds
  Size: All
  Pattern: Edging
  Colour: Shale Grey

FENCE

- Iron Eagle I Aluminum Series - Style 2115 by Iron Eagle Industries
  Panel Height: 1524mm
  Colour: Black

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

- 720 Backless Bench by Maglin
  Product Number: MBE-0720-00005
  Size: 70" Length
  Frame colour: Gunmetal
  Slats: Ipe
- 720 Backed Bench by Maglin
  Product Number: MBE-0720-00041
  Size: 70.50" Length
  Frame colour: Gunmetal
  Slats: Ipe
  Options: Backed, two end arms
- Iconic Bike Rack by Maglin
  Product Number: MBR-2300-00001
  Fixture: Surface Mount
  Frame Colour: Black

RAISED PLANTERS

1. Set trees in raised planters on a bed of heavily compacted growing medium, at the bottom, to eliminate settlement.
2. Backfill around the root ball with growing medium in 150mm lifts. Tamp and water each lift to eliminate air pockets or settlement.
3. Growing medium to be:
   a. 80% commercial screened topsoil
   b. 10% peat moss or compost, and
   c. 10% perlite.
4. Cover top of the planter surface with 75mm of shredded bark mulch.

LEGEND

3-D1	DETAIL SHEET # EG. L1, L2, ETC. – NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE
	PROPERTY LIMIT
	LIMIT OF U/G STRUCTURE
	7.5m BUILDING FOUNDATION OFFSET - REFER TO TREE PLANTING IN SENSITIVE CLAY NOTE
	PROPOSED CONCRETE
	PROPOSED PAVERS - INDUSTRIA 300 SERIES
	PROPOSED PAVERS - BLU 80 SMOOTH COMMERCIAL
	PLANTING BED
	PROPOSED DECIDUOUS TREE
	PROPOSED CONIFEROUS TREE
	EXISTING TREE TO REMAIN
	TREE PROTECTION FENCE
	PROPOSED BIKE PARKING
	PROPOSED DECORATIVE FENCE
	PROPOSED BENCH
	PROPOSED TRELLIS
	PROPOSED DECORATIVE ROCK ACCENT FEATURES

NOVATECH DETAILS

Found on Sheet L3.
D1. Standard Deciduous Tree Planting
D2. Standard Coniferous Tree Planting
D3. Shrub and Perennial Planting
D4. Tree Protection Fence
D5. Reforestation
D6. Wood Screen Detail
D7. Bike Layout
D8. Bench
D9. Trellis
D10. Roof Planting
D11. Roof Paving

TREE QUANTITIES AND OWNERSHIP

TOTAL QUANTITY OF PROPOSED TREES: **113**
TOTAL QUANTITY OF PROPOSED TREES - L2 - 53
PROPOSED TREES - CITY OF OTTAWA OWNERSHIP: L2 - 3
PROPOSED TREES - PRIVATE OWNERSHIP: L2 - 50

PLANT LIST

L2 - Plant List

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	Native Status
Coniferous Trees							
PCP	6	*Pinus cembra 'Algonquin Pillar'*	Algonquin Pillar Swiss Stone Pine	200cm Ht	BBC	As Shown	Exotic
Deciduous Trees							
AC	5	*Amelanchier canadensis (Multi-stem)*	Shadblow Serviceberry	Clump 200cm	WB	As Shown	Native
ALS	2	*Amelanchier laevis 'Spring Flurry'*	Spring Flurry Serviceberry	50mm Cal	WB	As Shown	Native
ARF	1	*Acer rubrum 'Autumn Flame'*	Autumn Flame Red Maple	50mm Cal	WB	As Shown	Native Cultivar
ARU	5	*Acer rubrum 'Autumn Radiance'*	Autumn Radiance Red Maple	50mm Cal	WB	As Shown	Native Cultivar
AFCM	3	*Acer x freemanii 'Celzam'*	Celebration Maple	50mm Cal	WB	As Shown	Native Cultivar
COA	7	*Cornus alternifolia*	Pagoda Dogwood	50mm Cal	WB	As Shown	Native
CLU	6	*Cladrastis kentukea (formerly 'lutea')*	Yellowwood	50mm Cal	WB	As Shown	Exotic
MLS	1	*Malus 'Spring Snow'*	Spring Snow Crabapple	50mm Cal	WB	As Shown	Native Cultivar
OV	3	*Ostrya virginiana*	Hop-hornbeam, Ironwood	50mm Cal	WB	As Shown	Native
QM	4	*Quercus macrocarpa*	Burr Oak	50mm Cal	WB	As Shown	Native
SRD	6	*Sorbus decora*	Showy Mountain-Ash	50mm Cal	WB	As Shown	Native
TFG	4	*Tilia flavescens 'Glenleven'*	Glenleven Linden	50mm Cal	WB	As Shown	Exotic
Coniferous Shrubs							
Jcf	14	*Juniperus chinensis 'Fairview'*	Fairview Juniper	175cm Ht	WB	80cm O.C	Native Cultivar
Jco	55	*Juniperus horizontalis 'Plumosa Compacta'*	Compact Andorra Juniper	40cm Spr	PT	140cm O.C	Native Cultivar
Psm	73	*Pinus mugo 'Slowmound'*	Slow mound Mugho Pine	40cm Spr	PT	100cm O.C	Native Cultivar
Mid	72	*Microbiota decussata*	Siberian Carpet Cypress	50cm Spr	PT	120cm O.C.	Exotic
Deciduous Shrubs							
Axl	168	*Aronia x Low Scape Mound (UCONNAM165)*	Low Scape Mound Chokeberry	40cm Ht	PT	50cm O.C	Native Cultivar
Cah	181	*Clethra alnifolia 'Hummingbird'*	Hummingbird Summersweet	50cm Ht	PT	80cm O.C	Native Cultivar
Cau	177	*Cornus sanguinea 'Arctic Sun'*	Arctic Sun Dogwood	60cm Ht	PT	100cm O.C	Native Cultivar
Csa	147	*Cornus sericea 'Farrow'*	Arctic Fire Dogwood	60cm Ht	PT	100cm O.C	Native Cultivar
Dsb	381	*Diervilla splendens 'Firefly' (BOKOFIRE)*	Firefly Bush Honeysuckle	60cm Ht	PT	70cm O.C	Native Cultivar
Rag	163	*Rhus aromatica 'Gro-Low'*	Gro-Low Fragrant Sumac	60cm Ht	PT	160cm O.C	Native Cultivar
Sbg	196	*Spiraea betulifoloia 'Glow Girl' (Tor Gold)*	Glow Girl Birchleaf Spirea	60cm Ht	PT	100cm O.C	Exotic
Sya	142	*Symphoricarpos albus*	Snowberry	50cm Ht	PT	100cm O.C	Native
Perennials							
pqe	10	*Parthenocissus quinquefolia 'Engelmannii'*	Engelman's Ivy	1g	PT	100cm O.C	Exotic
Ornamental Grasses							
ckf	334	*Calamagrostis acutiflora 'Karl Foerster'*	Karl Foerster Feather Reed Grass	1g	PT	60cm O.C	Exotic

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.

SURVEYOR:
BRIAN J WEBSTER - STANTEC

CIVIL ENGINEER:
FRANCOIS THAUVETTE - NOVATECH

MECHANICAL ENGINEER:
RYAN CHARTRAND - COSMEL

LANDSCAPE ARCHITECT:
SCOTT COVELL - NOVATECH

ARCHITECT:
NICOLAS CLOUTIER - LEMAY MICHAUD

URBAN PLANNERS:
TYLER YAKICHUK - FOTENN

OWNER INFORMATION
8417709 CANADA INC.
430 boulevard de l'hôpital, Suite 310
Gatineau, QC J8V 1T7
NAME: PAUL-ANDRÉ CHARBONNEAU
PHONE: (819) 955-8032
EMAIL: paul-andre@chartro.ca

No.	REVISION	DATE	BY
5.	REVISED PER CITY COMMENTS	MAY 9/25	SC
4.	RE-ISSUED FOR SPA	DEC 24/24	RJ
3.	ISSUED FOR SPA	JUL 19/24	RJ
2.	ISSUED FOR COORDINATION	MAY 30/24	RJ
1.	ISSUED FOR COORDINATION	FEB 16/24	RJ

SCALE 1:300
1:300 (bar scale 0 3 6 9 12)

DESIGN KW
CHECKED SC
DRAWN ML
CHECKED SC
APPROVED SC

FOR REVIEW ONLY

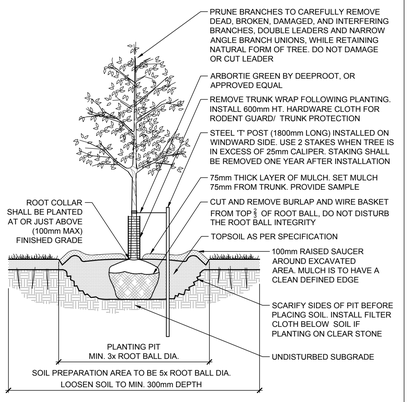
ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — D. SCOTT COVELL — OALA — MAY 9, 2025 — MEMBER

NOVATECH
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

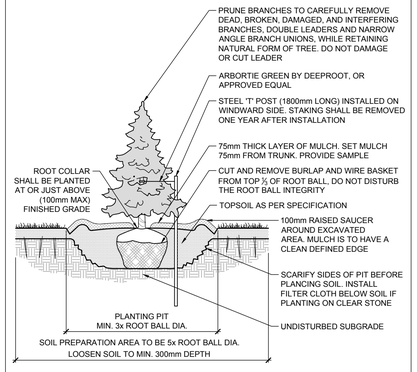
LOCATION
CITY OF OTTAWA
CHARTO LANDS - 3459 & 3479 ST. JOSEPH BOULEVARD

DRAWING NAME
LANDSCAPE PLAN

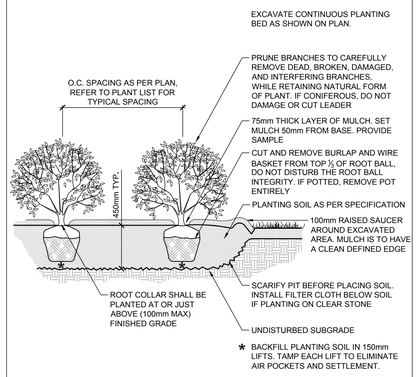
PROJECT No. 113020-00
REV REV # 5
DRAWING No. 113020-L2



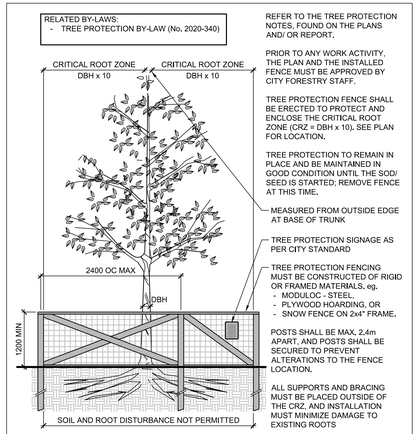
STANDARD DECIDUOUS TREE PLANTING — D1



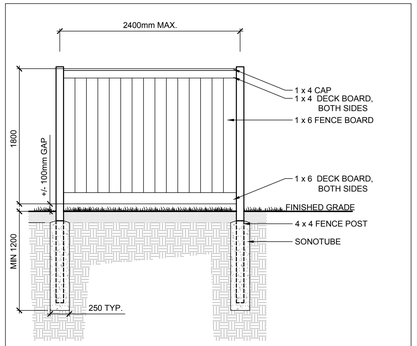
STANDARD CONIFEROUS TREE PLANTING — D2



SHRUB AND PERENNIAL PLANTING — D3

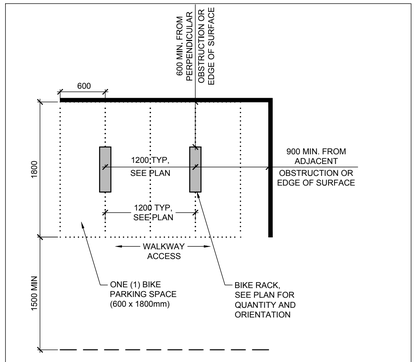


TREE PROTECTION FENCE — D4



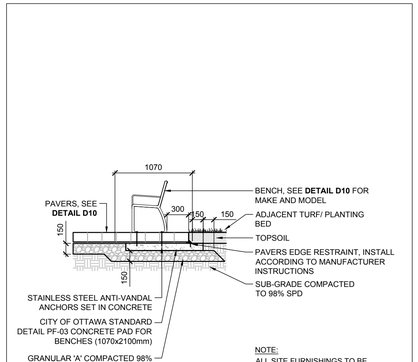
NOTE:
1. ALL WOOD TO BE PRESSURE TREATED SPF OR WESTERN RED CEDAR
2. FASTEN WOOD MEMBERS WITH GALVANIZED SCREWS.
3. ALL CONCRETE TO BE C1 EXPOSURE, 35MPa @28 DAYS, INCLUDING 5-8% AIR ENTRAINMENT.

WOOD SCREEN DETAIL — D5



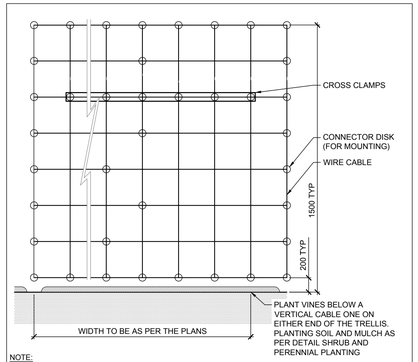
NOTE:
1. FASTEN ALL SITE FURNISHINGS TO SURFACE WITH STAINLESS STEEL ANTI-VANDAL ANCHORS.

BIKE LAYOUT — D6



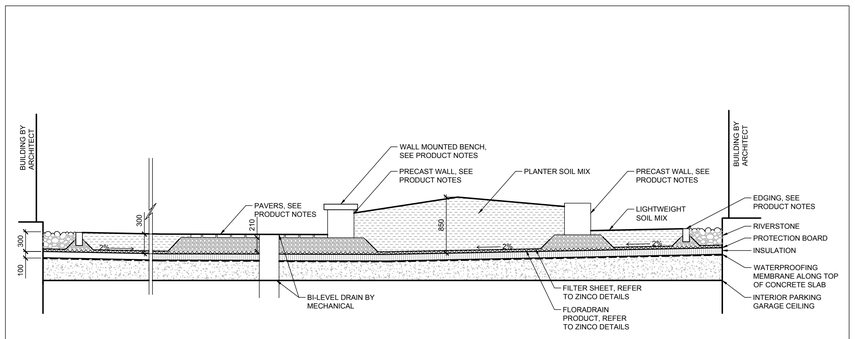
NOTE:
ALL SITE FURNISHINGS TO BE SECURED IN PLACE WITH BOLTS SET IN CONCRETE.

BENCH — D7

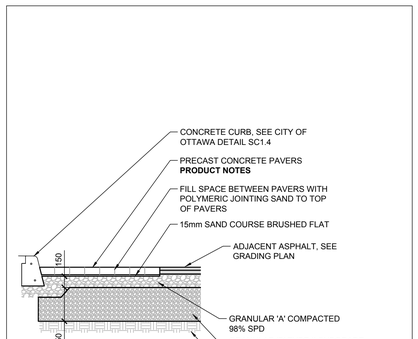


NOTE:
1. PRODUCT TO BE CLIMBING PLANT SUPPORT SYSTEM 120 SERIES BY GREEN BLUE URBAN. CONTACT: 1.866.282.2743.
2. PLEASE NOTE CONNECTOR DISK AND CROSS CLAMP LAYOUT IS ILLUSTRATIVE ONLY, CONTRACTOR TO COORDINATE WITH PRODUCT PROVIDER FOR ACTUAL LAYOUT OF THESE ELEMENTS AS THEY RELATE TO THE WALL ELEVATIONS.
3. PRODUCT TO BE INSTALLED AS PER MANUFACTURER INSTRUCTIONS. BEFORE MOUNTING, TEST DRILL THE WALL AND ENSURE REVIEW BY ARCHITECT AND LANDSCAPE ARCHITECT BEFORE PROCEEDING ON INSTALLATION.

TRELLIS — D8



ROOF PLANTING DETAILS — D9



ROOF PAVING DETAIL — D10

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.

SURVEYOR:
BRIAN J WEBSTER - STANTEC

CIVIL ENGINEER:
FRANCOIS THAUVETTE - NOVATECH

MECHANICAL ENGINEER:
RYAN CHARTRAND - COSMEL

LANDSCAPE ARCHITECT:
SCOTT COVELL - NOVATECH

ARCHITECT:
NICOLAS CLOUTIER - LEMAY MICHAUD

URBAN PLANNERS:
TYLER YAKICHUK - FOTENN

OWNER INFORMATION
8417709 CANADA INC.
430 boulevard de l'hôpital, Suite 310
Gatineau, QC J8V 1T7
NAME: PAUL-ANDRÉ CHARBONNEAU
PHONE: (819) 955-8032

EMAIL: paul-andre@chartro.ca

No.	REVISION	DATE	BY
5.	REVISED PER CITY COMMENTS	MAY 9/25	SC
4.	RE-ISSUED FOR SPA	DEC 24/24	RJ
3.	ISSUED FOR SPA	JUL 19/24	RJ
2.	ISSUED FOR COORDINATION	MAY 30/24	RJ
1.	ISSUED FOR COORDINATION	FEB 16/24	RJ

SCALE
1:300
1:300
0 3 6 9 12

DESIGN KW
CHECKED SC
DRAWN ML
CHECKED SC
APPROVED SC

FOR REVIEW ONLY

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
MAY 9, 2025
MEMBER

NOVATECH
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
CHARTO LANDS - 3459 & 3479 ST. JOSEPH BOULEVARD

DRAWING NAME
DETAILS

PROJECT No. 113020-00
REV REV # 5
DRAWING No. 113020-LD

C:\temp\AcPublish_18216\113020_L.dwg, L3, May 09, 2025 - 4:56pm, mlast

PLAN24x36.DWG - 914.4mmx609.6mm