EXISTING TREE INVENTORY:

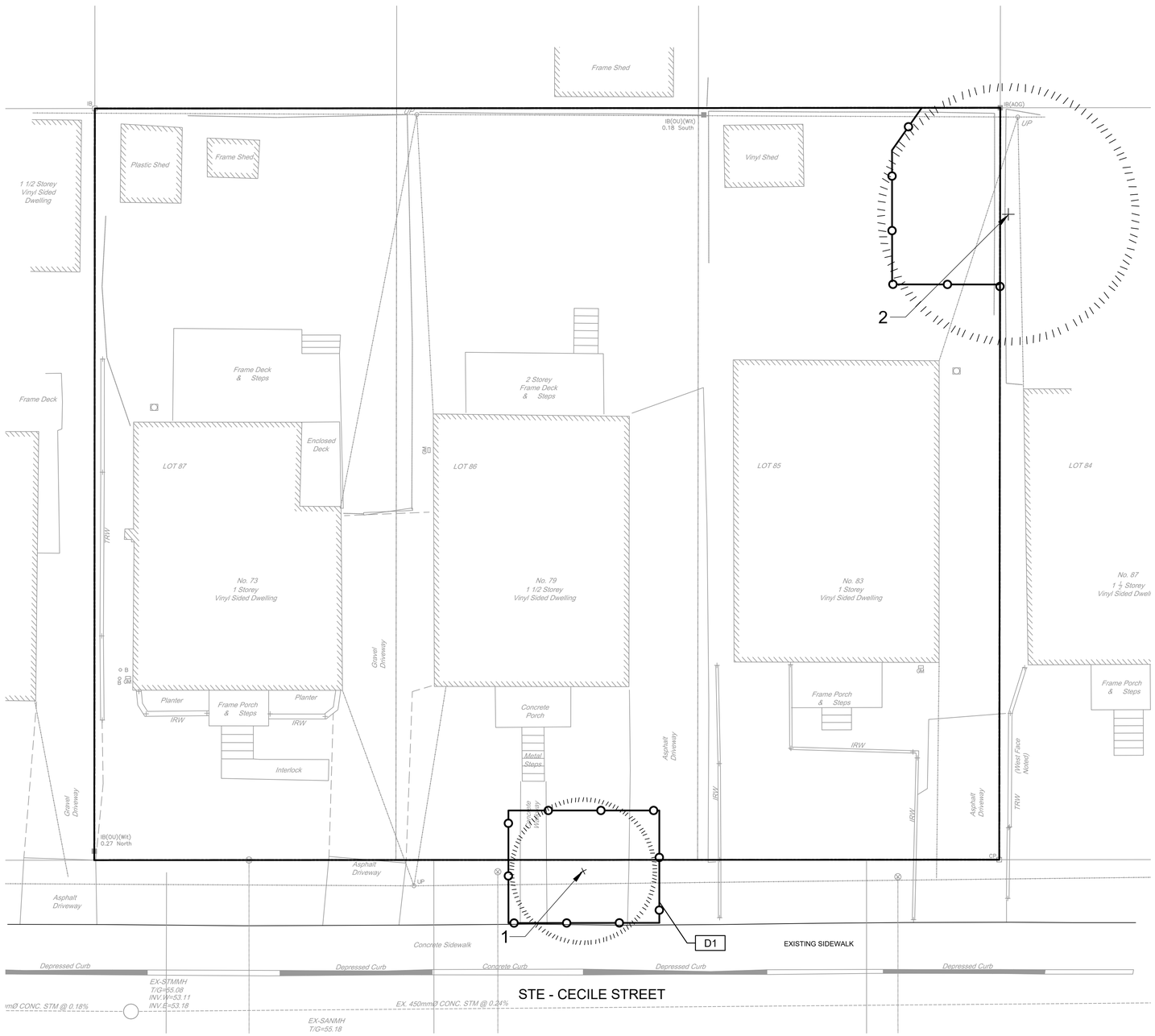
No.	Botanical Name	Common Name	DBH (cm)	CRZ (m)	Condition	Owner	Remarks	Recomm.
1	*Acer platanoides spp.*	Norway Maple	35.0	3.50	G	City	No remarks	PROTECT
2	*Acer negundo*	Manitoba Maple	53.0	5.30	F	Private on adjoining site	45 degree lean, growing through chainlink fence, some evidence of 'Black Bark'.	PROTECT

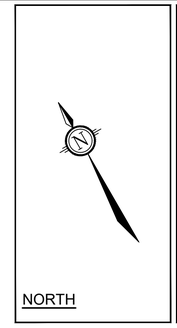
Legend			
G	Good	**Conflict**	Remove due to conflict with construction.
F	Fair	Remove	Remove due to tree helath or invasive status.
P	Poor	PROTECT	Protect as per detail D1 and related noes.
VP	Very Poor		

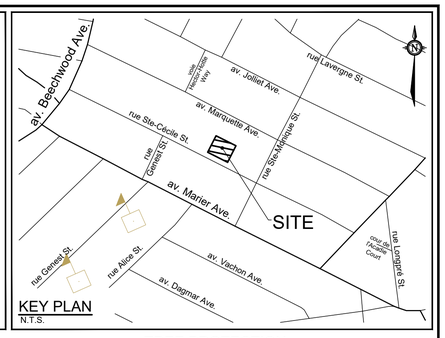
EXISTING CANOPY COVER ESTIMATE:

EXISTING CANOPY COVERAGE				
SIZE OF PROPOSED TREE	AVERAGE MATURE SPREAD	CANOPY COVERAGE PER TREE (m2)	QUANTITY OF TREES	TOTAL CANOPY COVERAGE
Deciduous trees- Medium	10m	79	1	79
Deciduous trees- Large	14m	154	1	154
TOTAL EXISTING CANOPY COVERAGE (m2):				**233**
TOTAL SITE AREA (m2):				**1,117**
EST. EXISTING CANOPY COVERAGE (%):				**21%**

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







LEGEND

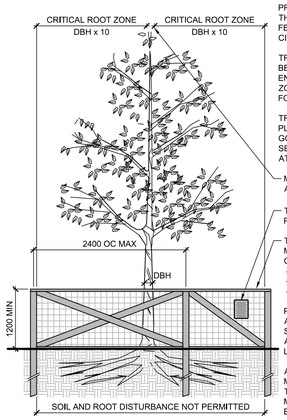
- PROPERTY LIMIT
- EXISTING TREE TO REMAIN, SYMBOL SIZE REFLECTS CRZ
- EXISTING TREE TO REMOVE, SYMBOL SIZE REFLECTS CRZ
- TREE PROTECTION FENCE

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).

RELATED BY-LAWS:
- TREE PROTECTION BY-LAW (No. 2020-340)



REFER TO THE TREE PROTECTION NOTES, FOUND ON THE PLANS AND/ OR REPORT.

PRIOR TO ANY WORK ACTIVITY, THE PLAN AND THE INSTALLED FENCE MUST BE APPROVED BY CITY FORESTRY STAFF.

TREE PROTECTION FENCE SHALL BE ERECTED TO PROTECT AND ENCLOSE THE CRITICAL ROOT ZONE (CRZ = DBH x 10), SEE PLAN FOR LOCATION.

TREE PROTECTION TO REMAIN IN PLACE AND BE MAINTAINED IN GOOD CONDITION UNTIL THE SOD/ SEED IS STARTED; REMOVE FENCE AT THIS TIME.

MEASURED FROM OUTSIDE EDGE AT BASE OF TRUNK

TREE PROTECTION SIGNAGE AS PER CITY STANDARD

TREE PROTECTION FENCING MUST BE CONSTRUCTED OF RIGID OR FRAMED MATERIALS. eg.
- MODULOC - STEEL,
- PLYWOOD HOARDING, OR
- SNOW FENCE ON 2x4" FRAME.

POSTS SHALL BE MAX. 2.4m APART, AND POSTS SHALL BE SECURED TO PREVENT ALTERATIONS TO THE FENCE LOCATION.

ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMIZE DAMAGE TO EXISTING ROOTS

TREE PROTECTION FENCE | D1

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:
14072375 Canada Inc (Henry Investments)
c/o Denis Michaud
1770 Cannan Road
Cumberland, ON K4C 1J5
Phone: 613.816.8886

NOT FOR CONSTRUCTION

No.	REVISION	DATE	BY
2.	ISSUED FOR SITE PLAN APPLICATION	DEC 19/24	RJ
1.	ISSUED FOR COORDINATION	DEC 10/24	RJ

SCALE
1:100
1:100
0 1 2 3 4

DESIGN TB/RI
CHECKED RJ
DRAWN TB/RI
CHECKED RJ
APPROVED RJ

FOR REVIEW ONLY

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
RYAN D. JAMES
OALA
MEMBER
DEC. 19/24

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
73-83 Ste-Cecile St.

DRAWING NAME
TREE CONSERVATION PLAN
EXISTING CONDITIONS

PROJECT No. 122167
REV REV # 2
DRAWING No. 122167-TCR

M:\2022\122167\CAD\Landscape\122167-L.dwg, TCR, Dec 12, 2024 - 11:06am, tbarkale

PLAN A1.DWG - 341mmx594mm

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	Native/Non-native*	Ownership
Deciduous Trees								
CCL	2	*Carpinus caroliniana*	American Hornbeam, Ironwood	50mm Cal	WB	As Shown	L	Private
Crm	2	*Cornus mas*	Cornelian Cherry (Dogwood)	150cm Ht	BB	As Shown	E	Private
MLM	2	*Magnolia x loebneri 'Merrill'*	Merrill Magnolia	250cm Ht	WB	As Shown	E	Private
COA	1	*Cornus alternifolia*	Pagoda Dogwood	150cm Ht	WB	As Shown	L	Private
Coniferous Shrubs								
Tgg	8	*Thuja occidentalis 'Golden Globe'*	Golden Globe Cedar	3g	PT	As Shown	C	Private
Deciduous Shrubs								
Cs	2	*Cornus sericea*	Red Osier Dogwood	60cm Ht	PT	As Shown	L	Private
Axl	33	*Aronia x Low Scape Mound (UCONNAM165)*	Low Scape Mound Chokeberry	40cm Ht	PT	As Shown	C	Private
Fog	14	*Fothergilla gardenii*	Dwarf Fothergilla	50 cm Ht	PT	As Shown	E	Private
Pms	5	*Philadelphus x 'Miniature Snowflake'*	Miniature Snowflake Mockorange	40 cm Ht	PT	As Shown	E	Private
Pfn	40	*Potentilla fruticosa 'Bella Bianca'*	Bella Bianca Potentilla	40cm Ht	PT	As Shown	C	Private
Sya	6	*Symphoricarpos albus*	Snowberry	50cm Ht	PT	As Shown	L	Private
Perennials								
bap	4	*Baptisia australis*	False Indigo	1g	PT	As Shown	L	Private
Cea	10	*Ceanothus americanus*	New Jersey Tea	1g	PT	As Shown	P	Private
gms	26	*Geranium macrorrhizum 'Spessart'*	Spessart Cranesbill	1g	PT	As Shown	C	Private

*Note: (L)ocal region, (C)ultivar of local region plant, (P)rovincial, (E)xotic or non-native

PROPOSED AND RETAINED CANOPY COVER ESTIMATE:

PROPOSED AND RETAINED CANOPY COVERAGE AT MATURITY				
SIZE OF PROPOSED TREE	AVERAGE MATURE SPREAD	CANOPY COVERAGE PER TREE AT MATURITY (m2)	QUANTITY OF TREES	TOTAL CANOPY COVERAGE
Deciduous trees- Small	4.5m	16	5	80
Deciduous trees- Medium	10m	79	2	158
TOTAL PROPOSED CANOPY COVERAGE (m2):				**238**
TOTAL RETAINED CANOPY COVERAGE (m2) :				**233**
TOTAL SITE AREA (m2):				**1,117**
EST. PROPOSED CANOPY COVERAGE (%):				**42%**

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

PRODUCT INFORMATION

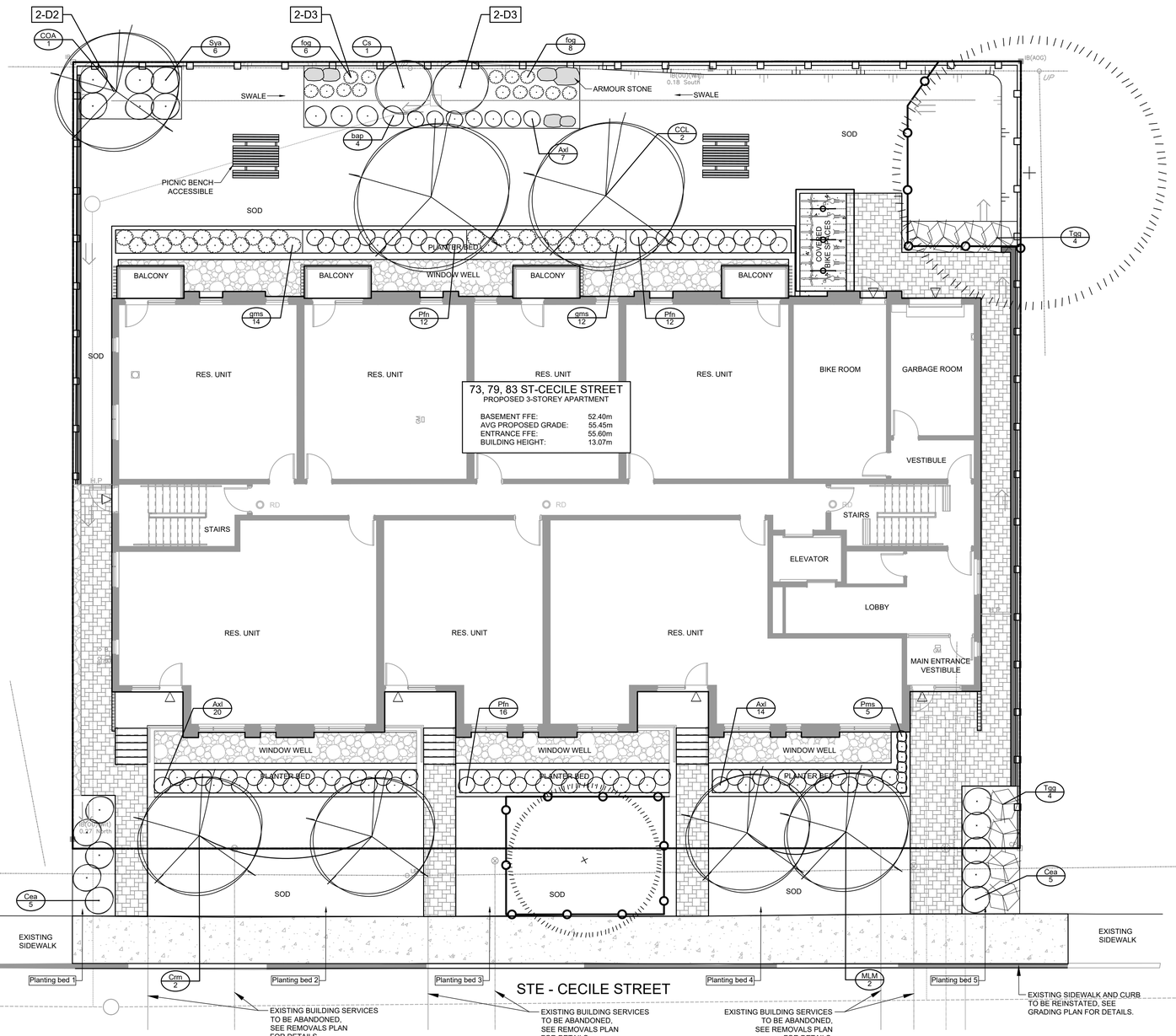
Install products as per manufacturer specifications. Shop drawings required.

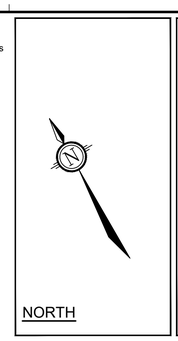
PRECAST PLANTER WALL
Refer to grading plan for wall heights.
- Raffinato Smooth by Techo-Bloc
  Pattern: TBD
  Colour: TBD
- Raffinato Smooth 60mm cap by Techo-bloc
  Size: TBD
  Colour: TBD

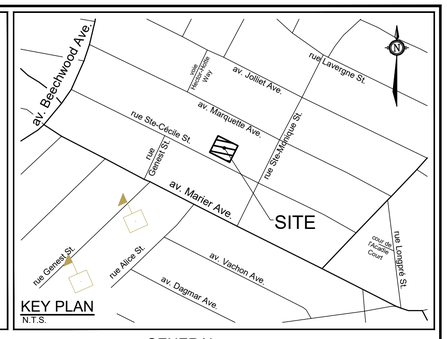
BOULDERS
- Sizes: 1.0-1.4m L x 0.8-1.0m W x 0.6-0.8m H

PICNIC BENCH
- 200 Series - 210 Accessible Cluster Seating by Maglin
  Product Number: MTB-0210-00042
  Frame: Structural I-Beam
  Ipe Wood Table Top and
  Attached Backless Benches (2)
  Cedar Color
  Surface Mount, Wheelchair Accessible

BIKE RACKS
- 2300 Series - Iconic Bike Rack by Maglin
  Capacity: 2 bikes / rack
  Size: 26.5" H X 20.5" L x 2" Depth
  Fixture: Surface mounted
  Colour: Powder Coat - Silver Metallic







LEGEND

- 3-D1 — DETAIL SHEET # EG. L1, L2, ETC. — NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE
- PROPERTY LIMIT
- TEMPORARY TREE PROTECTION FENCE
- WOOD PRIVACY FENCE 1.8m HT
- SWALE
- PROPOSED PAVERS
- PROPOSED CONCRETE PAD
- RIVER STONE
- PROPOSED DECIDUOUS TREE
- EXISTING TREE TO REMAIN
- EXISTING TREE TO REMOVE
- PROPOSED PERENNIALS
- PROPOSED CONIFEROUS SHRUBS
- PROPOSED DECIDUOUS SHRUBS
- KEY ## — SPECIES (SEE PLANT LIST) / QUANTITY
- PROPOSED BIKE RACKS

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.
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.

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 TCR.

D1. Standard Tree Protection Fence

Found on Sheet L2.

D2. Standard Deciduous Tree Planting
D3. Shrub and Perennial Planting
D4. Bike Layout

SOIL AVAILABILITY CALCULATIONS:

Planting bed no.	Available Soil Area (sq m)	Available Soil Volume* (cu m)	No. of trees proposed		Existing trees	Total No. of trees	Min. required Soil volume total (cu m)
			Small ($20m^3$)	Medium ($25m^3$)			
Planting bed 1	8	8				NA	NA
Planting bed 2	50	50	2			2	24.00
Planting bed 3	40	40			1	1	30.00
Planting bed 4	36	36	2			2	24.00
Planting bed 5	6	6				NA	NA
Planting bed 6	253	253	1	2	1	4	60.00

***Note :** For all planting beds proposed, the available soil depth is considered to be 1m.

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:
14072375 Canada Inc (Henry Investments)
c/o Denis Michaud
1770 Cannan Road
Cumberland, ON K4C 1J5
Phone: 613.816.8886

NOT FOR CONSTRUCTION

No.	REVISION	DATE	BY
2.	ISSUED FOR SITE PLAN APPLICATION	DEC 19/24	RJ
1.	ISSUED FOR COORDINATION	DEC 10/24	RJ

SCALE
1:100
1:100
0 1 2 3 4

DESIGN TB/RI
CHECKED RJ
DRAWN TB/RI
CHECKED RJ
APPROVED RJ

FOR REVIEW ONLY

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — RYAN G. JAMES — OALA — DEC. 19/24 — 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

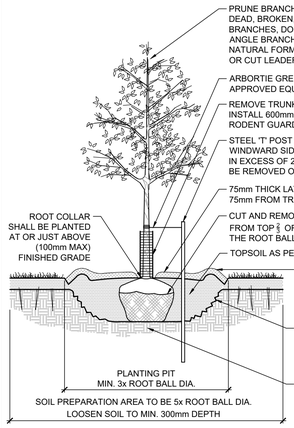
LOCATION
CITY OF OTTAWA
73-83 Ste-Cecile St.

DRAWING NAME
LANDSCAPE PLAN

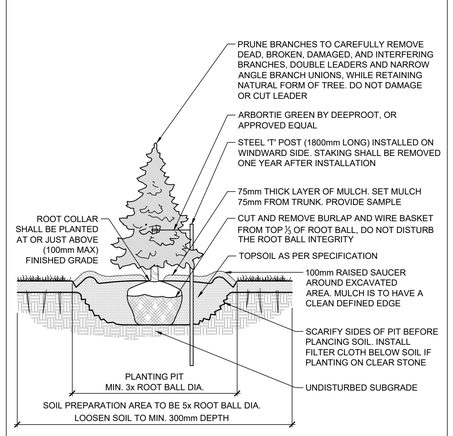
PROJECT No. 122167
REV REV # 2
DRAWING No. 122167-L1

M:\2022\122167\CAD\Landscape\122167-L.dwg, L1, Dec 12, 2024 - 11:08am, tbarkale

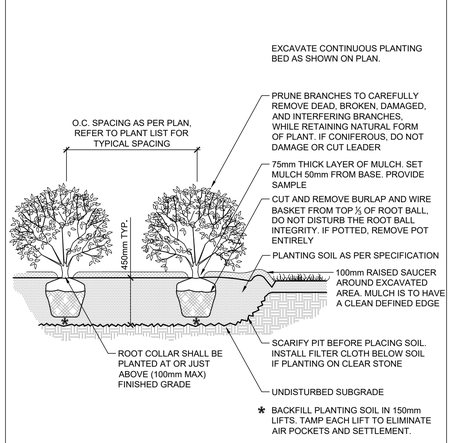
PLAN1.DWG - 841mmx594mm



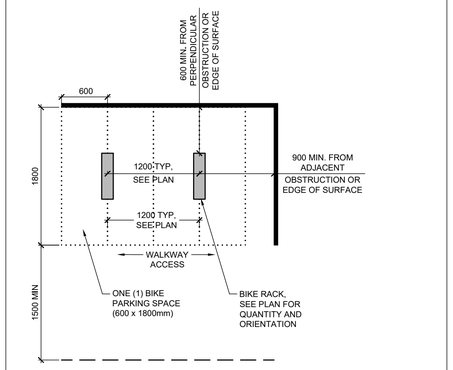
STANDARD DECIDUOUS TREE PLANTING | D2



STANDARD CONIFEROUS TREE PLANTING | D3



SHRUB AND PERENNIAL PLANTING | D4



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

BIKE LAYOUT | D5

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:
14072375 Canada Inc (Henry Investments)
c/o Denis Michaud
1770 Cannan Road
Cumberland, ON K4C 1J5
Phone: 613.816.8886

NOT FOR CONSTRUCTION

No.	REVISION	DATE	BY
2.	ISSUED FOR SITE PLAN APPLICATION	DEC 19/24	RJ
1.	ISSUED FOR COORDINATION	DEC 10/24	RJ

SCALE

DESIGN RI
CHECKED RJ
DRAWN RI
CHECKED RJ
APPROVED RJ

FOR REVIEW ONLY

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
RYAN B. JAMES
OALA
DEC. 19/24
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
73-83 Ste-Cecile St.

DRAWING NAME
DETAILS

PROJECT No. 122167
REV REV # 1
DRAWING No. 122167-L2

M:\2022\122167\CAD\Landscape\122167-L.dwg, L2, Dec 12, 2024 - 11:06am, tbarkale

PLANA1.DWG - 841mmx594mm