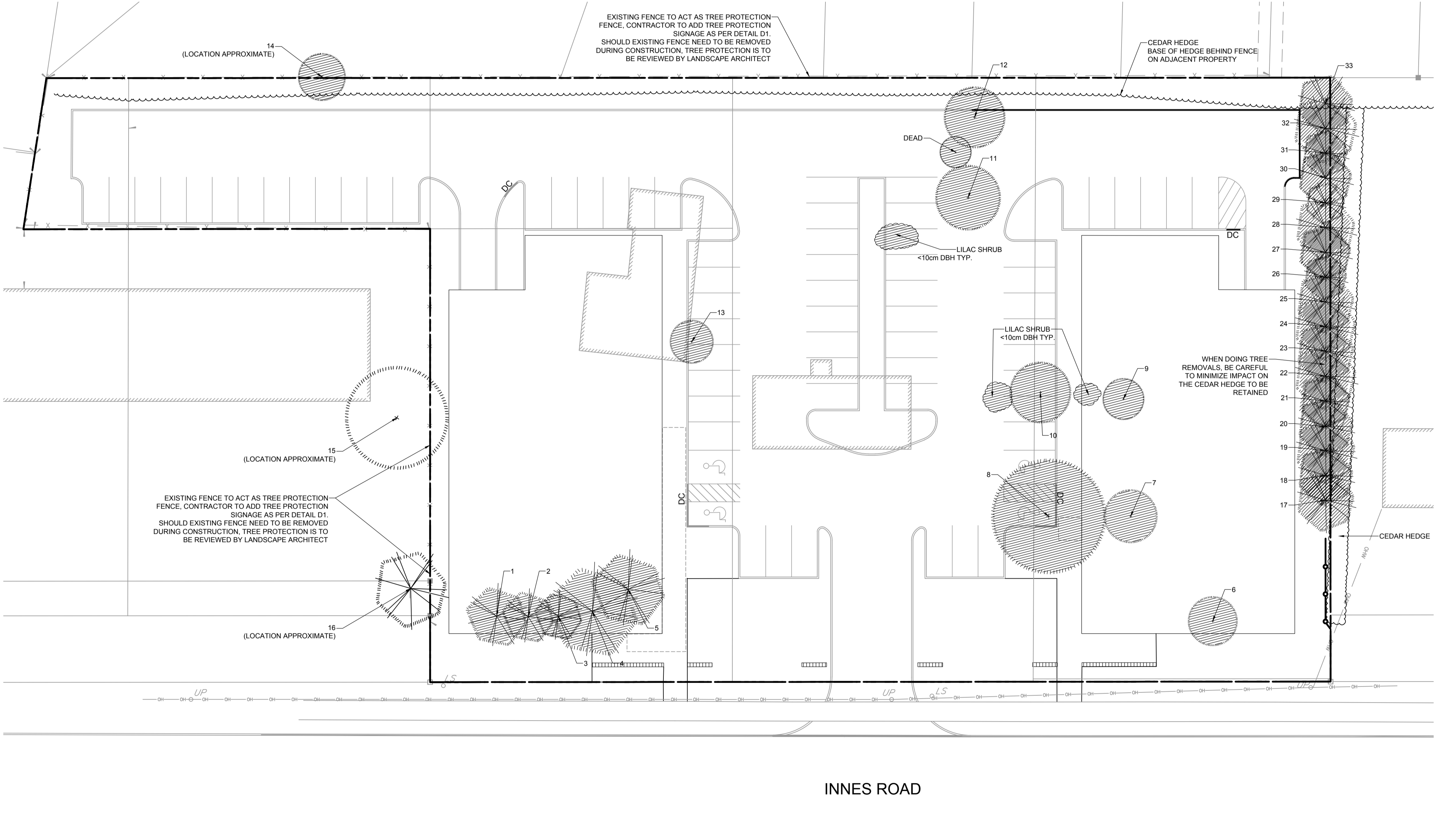


- LEGEND**
- EXISTING TREE TO BE RETAINED. SYMBOL SIZE REFLECTS CRZ.
 - EXISTING TREE TO BE REMOVED. SYMBOL SIZE REFLECTS CRZ.
 - TREE PROTECTION FENCE
 - PROPOSED LIMIT OF FOUNDATION
- TREE PROTECTION**
- Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:
- 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.).
 - 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.
 - 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.
 - Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.
 - Do not attach any signs, notices, or posters to any tree.
 - Do not disturb, raise, or lower the existing grade within the CRZ without approval.
 - Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ; absolutely no machinery permitted.
 - Do not damage the root system, trunk, or branches of any tree.
 - Do not extend hard surface or significantly change landscaping.
 - Ensure that exhaust fumes from all equipment are directed away from any tree canopy.
 - 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 no root pulling or disturbance of the ground within the CRZ.
 - 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.
 - 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.
 - Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape Architect.
 - 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.
 - 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).

- 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.
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 - Do not scale drawings. Work to dimensions only.
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 - 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.
- NOVATECH DETAILS**
- D1. Tree Protection Fence



EXISTING TREE INVENTORY

No.	Botanical Name	Common Name	DBH (cm)	CRZ (m)	Condition	Owner	Remarks	Recomm.
1	<i>Pinus sylvestris</i>	Scott's Pine	28	2.8	G/F	Client	1.5m above multistem, thin canopy	Conflict
2	<i>Pinus sylvestris</i>	Scott's Pine	24	2.4	G/F	Client	Thin canopy	Conflict
3	<i>Taxus sp.</i>	Yew	22	2.2	G	Client		Conflict
4	<i>Picea glauca</i>	White Spruce	42	4.2	G	Client	Multistem	Conflict
5	<i>Picea glauca</i>	White Spruce	34	3.4	G	Client		Conflict
6	<i>Acer rubrum</i>	Red Maple	25	2.5	F	Client	Salt spray damage, witch's broom	Conflict
7	<i>Acer platanoides</i>	Norway Maple	27	2.7	P	Client	IR, dead branches, multistem, discoloration, punk knots	Remove
8	<i>Acer platanoides</i>	Norway Maple	58	5.8	P	Client	Barrelling, barkface wound, major seam with internal rot, multiple bark seams	Remove
9	<i>Acer platanoides</i>	Norway Maple	21	2.1	P	Client	Multistem	Remove
10	<i>Acer platanoides</i>	Norway Maple	31	3.1	F	Client	Low vigor, lean	Conflict
11	<i>Malus sp.</i>	Apple	33	3.3	P	Client	Barkface scars, pruned limbs healing poorly	Remove
12	<i>Malus sp.</i>	Apple	31	3.1	P	Client	Seem, open wounds	Remove
13	<i>Acer negundo</i>	Manitoba Maple	22	2.2	P	Client	Barkface scar, pruned limbs healing poorly, multistem, punk knots	Remove
14	<i>Acer negundo</i>	Manitoba Maple	24	2.4	F	Client	Boundary Tree The complete tree canopy extends at an angle over the proposed pavement. Severe lean (> 45°). This Manitoba maple tree is susceptible to tipping in future and pose a significant risk. Therefore it is recommended to remove this poorly shaped tree.	Conflict
15	<i>Tilia americana</i>	Basswood	52	5.2	G	Private on adjoining site	Multistem, a seam where two stems meet	PROTECT
16	<i>Thuja occidentalis</i>	White Cedar	35	3.5	G	Private on adjoining site		PROTECT
17	<i>Pinus resinosa</i>	Red Pine	28	2.8	G	Boundary Tree	See note below	Conflict
18	<i>Pinus resinosa</i>	Red Pine	27	2.7	G	Boundary Tree	See note below	Conflict
19	<i>Pinus resinosa</i>	Red Pine	29	2.9	G	Boundary Tree	See note below	Conflict
20	<i>Pinus resinosa</i>	Red Pine	27	2.7	G	Boundary Tree	See note below	Conflict
21	<i>Pinus resinosa</i>	Red Pine	24	2.4	G	Boundary Tree	Multistem. See note below	Conflict
22	<i>Pinus resinosa</i>	Red Pine	30	3.0	G	Boundary Tree	See note below	Conflict
23	<i>Pinus resinosa</i>	Red Pine	28	2.8	G	Boundary Tree	See note below	Conflict
24	<i>Pinus resinosa</i>	Red Pine	30	3.0	G	Boundary Tree	See note below	Conflict
25	<i>Pinus resinosa</i>	Red Pine	28	2.8	G	Boundary Tree	See note below	Conflict
26	<i>Pinus resinosa</i>	Red Pine	21	2.1	G	Boundary Tree	See note below	Conflict
27	<i>Pinus resinosa</i>	Red Pine	25	2.5	G	Boundary Tree	See note below	Conflict
28	<i>Pinus resinosa</i>	Red Pine	29	2.9	G	Boundary Tree	See note below	Conflict
29	<i>Pinus resinosa</i>	Red Pine	19	1.9	G	Boundary Tree	See note below	Conflict
30	<i>Pinus resinosa</i>	Red Pine	26	2.6	G	Boundary Tree	See note below	Conflict
31	<i>Pinus resinosa</i>	Red Pine	22	2.2	G	Boundary Tree	See note below	Conflict
32	<i>Pinus resinosa</i>	Red Pine	31	3.1	G	Boundary Tree	See note below	Conflict
33	<i>Pinus resinosa</i>	Red Pine	27	2.7	G	Boundary Tree	See note below	Conflict

Note - Tree No. 17 to 33. Red pines towards the North-East boundary of site will be affected by silt situation and may not withstand wet soils. It is recommended to remove the row of pine trees as it conflicts with the site condition and compensate by planting more trees elsewhere.

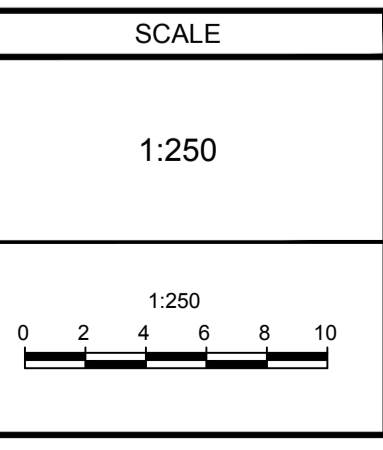
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NOT FOR CONSTRUCTION

OWNER INFORMATION
6587712 CANADA INC.
1085 BOULEVARD DE LA CARRIERE,
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VALÉRIE LAPENSÉE
PHONE: (819) 664-4306
EMAIL: valerie@matelapensee.ca

No.	REVISION	DATE	BY
1.	ISSUED FOR SITE PLAN APPROVAL	DEC 22/22	JP



DESIGN	TB
CHECKED	RJ
DRAWN	TB
CHECKED	JP
APPROVED	JP

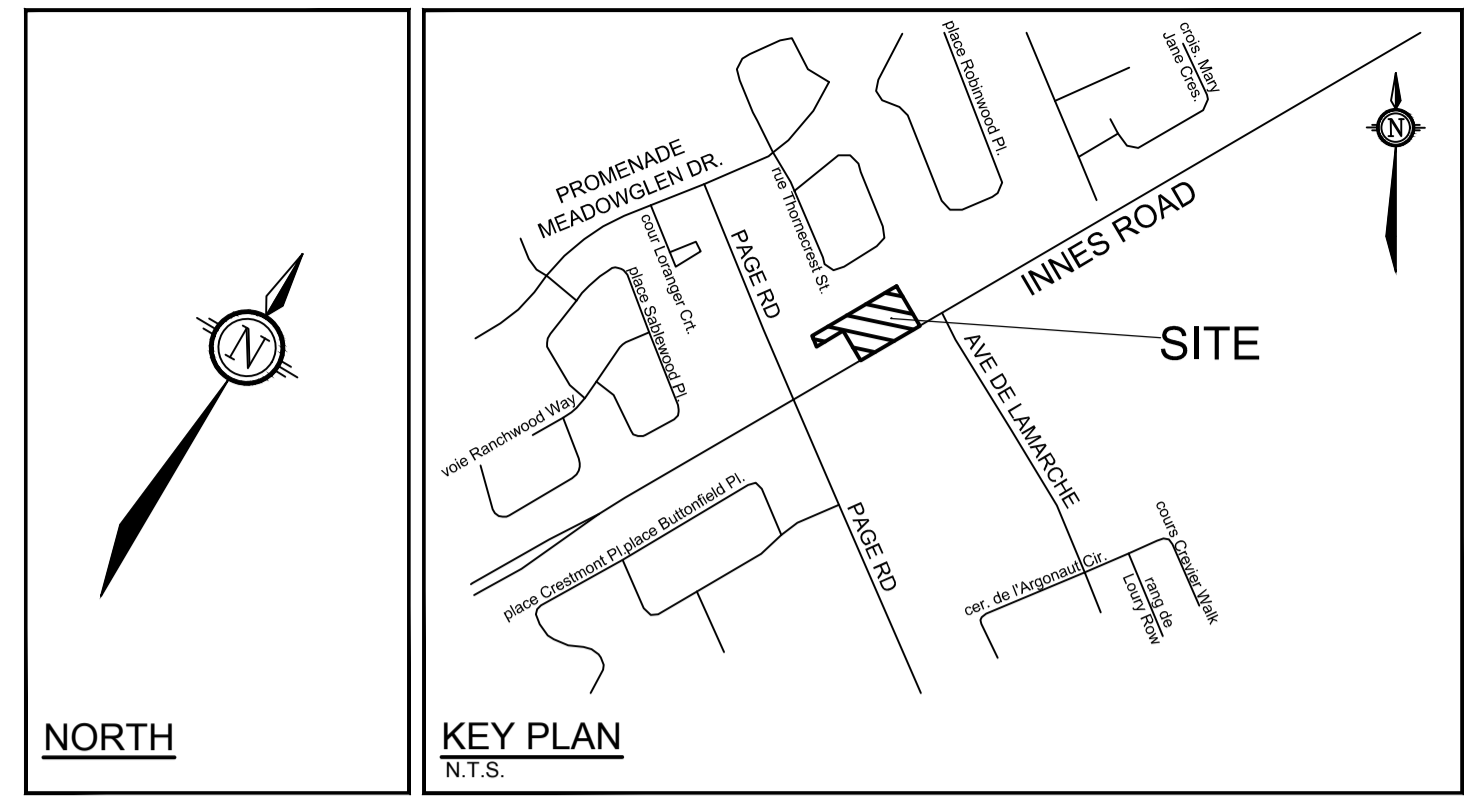
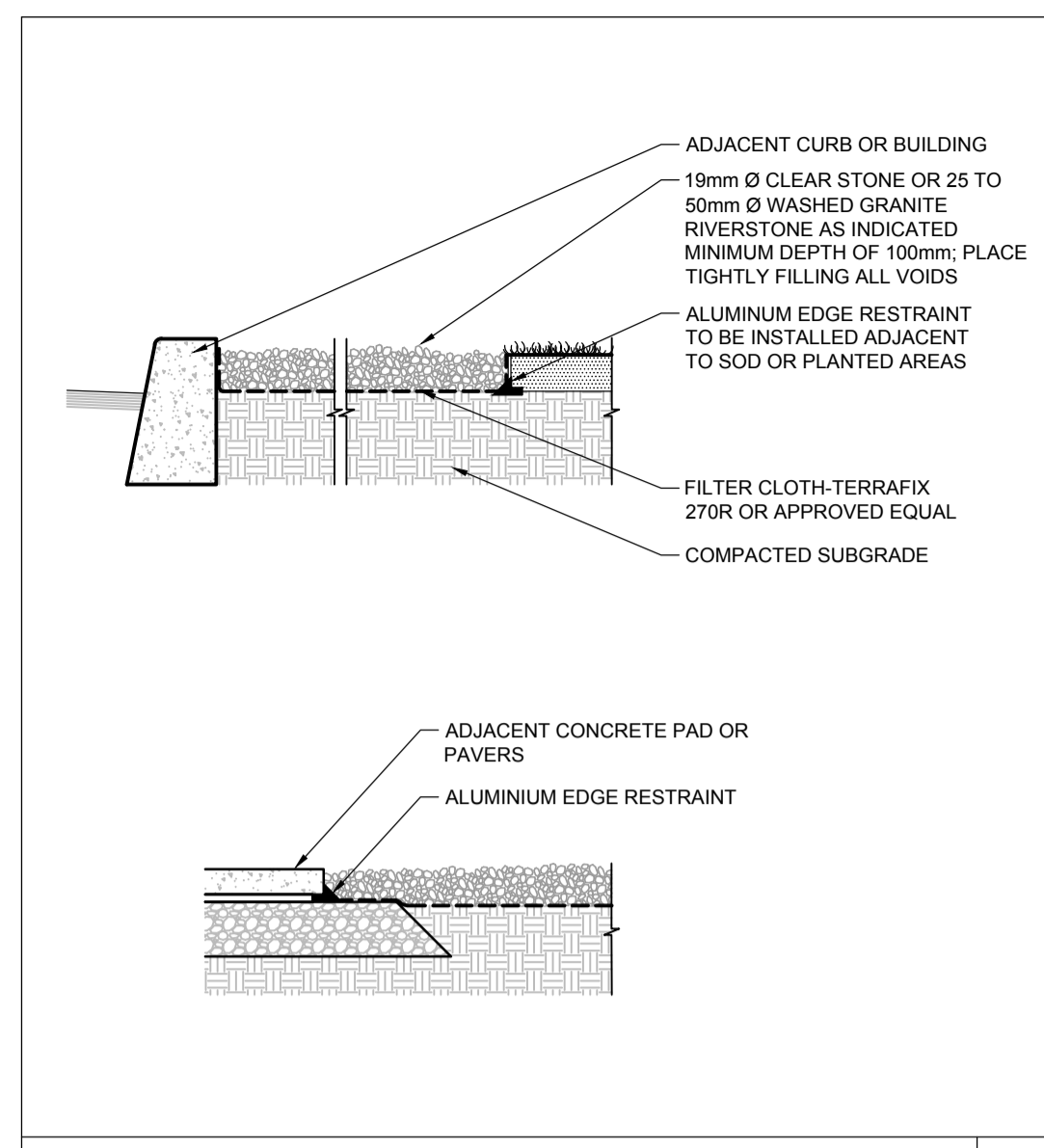
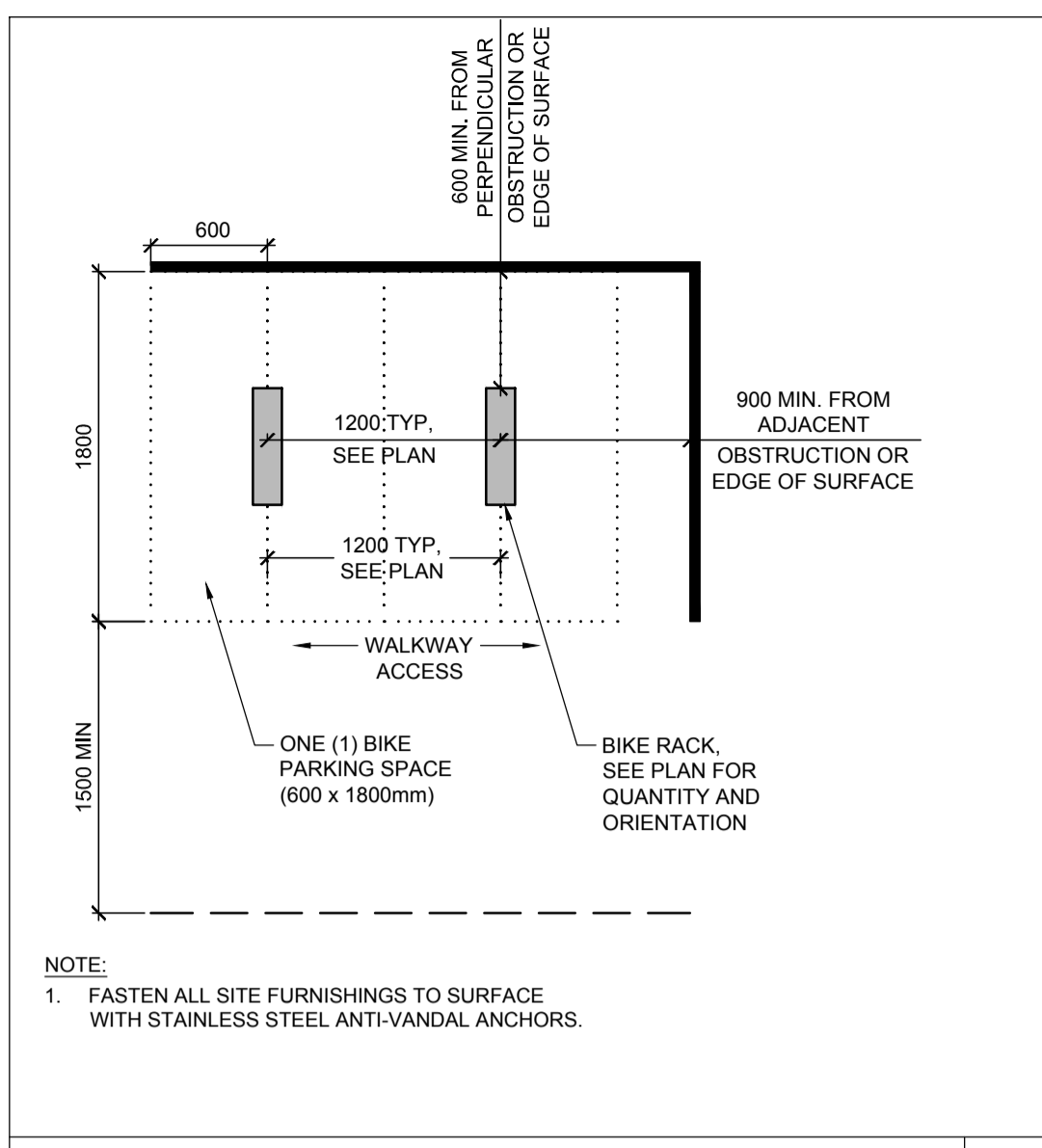
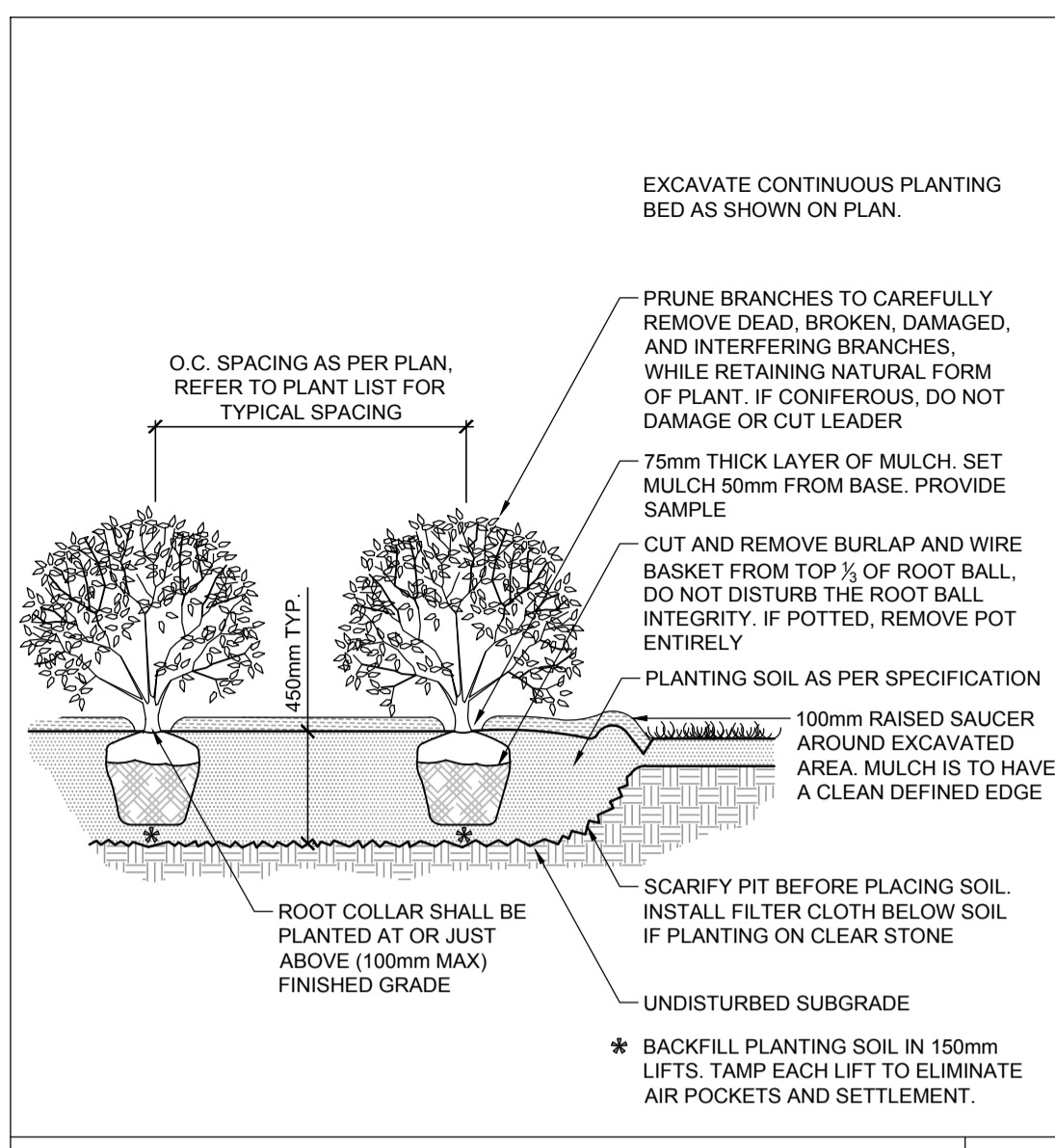
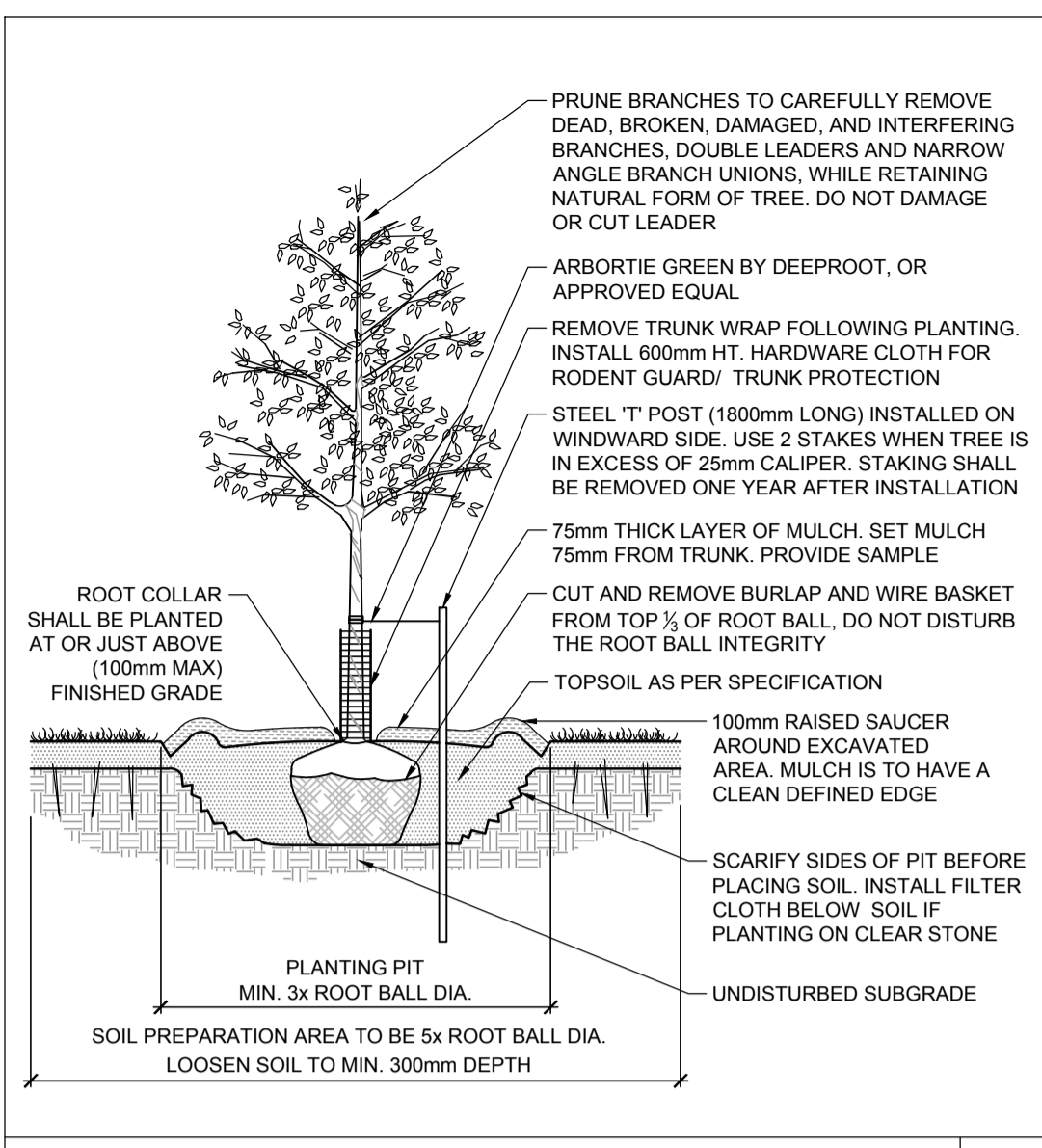
FOR REVIEW ONLY

NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6

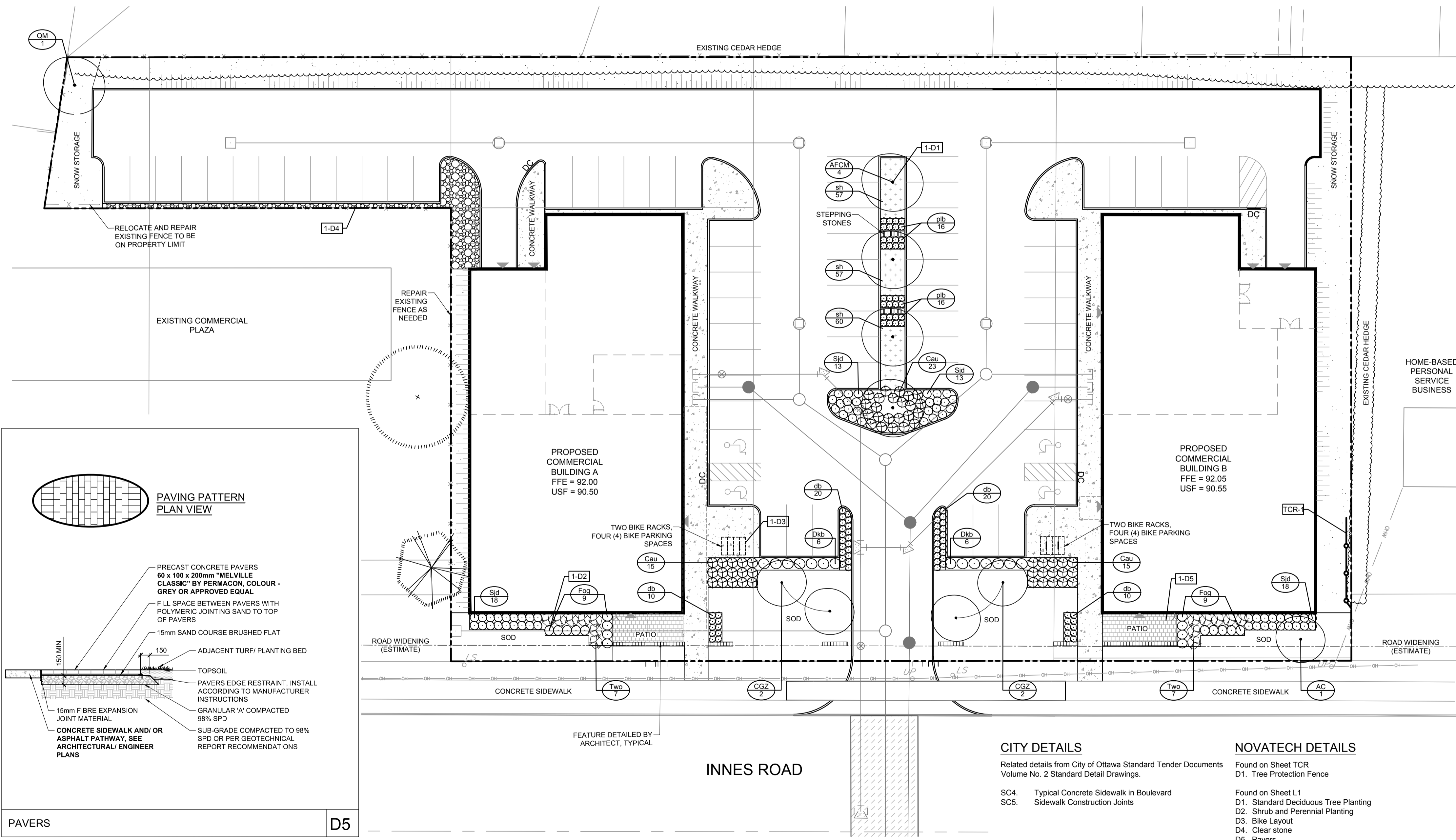
Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION CITY OF OTTAWA 3493 - 3499 INNES ROAD	PROJECT No. 118204
DRAWING NAME TREE CONSERVATION PLAN	REV #1
DRAWING No. 118204-TCR	

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- LEGEND**
- 3-D1 DETAIL SHEET # NOVATECH OR CITY - DETAIL NUMBER SEE LIST FOR CODE
 - PROPERTY LIMIT
 - PROPOSED BUILDING
 - TREE PROTECTION FENCE
 - EXISTING FENCE
 - PROPOSED CONCRETE
 - PROPOSED PAVERS
 - CLEAR STONE
 - PERENNIALS AND ORNAMENTAL GRASSES
 - EXISTING TREES TO PROTECT
 - PROPOSED DECIDUOUS TREES
 - PROPOSED PLANTING
 - GREENFIELDS SEED MIX WITH EROSION PROTECTION
 - SPECIES (SEE PLANT LIST)
 - QUANTITY
- 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.
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- 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, WB 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.
 - Sod/ Seed Areas - 100mm 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 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.
- In addition to the specified seed mixes, all applications are to include a nurse crop as noted.
- NURSE CROP**
- Annual Ryegrass @34kg/hectare
- GREENFIELDS SEED MIX BY DLF**
Seeding Rate: 175kg/hectare

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Deciduous Trees						
AC	11	<i>Amelanchier canadensis</i> (Single stem)	Downy Serviceberry	45mm Cal	WB	As Shown
CGZ	4	<i>Crataegus crus-galli</i> 'Cruzam'	Crusader Hawthorn	50mm Cal	WB	As Shown
QM	1	<i>Quercus macrocarpa</i>	Burr Oak	50mm Cal	WB	As Shown
Deciduous Shrubs						
Cau	53	<i>Cornus sanguinea</i> 'Arctic Sun'	Arctic Sun Dogwood	60cm Ht	PT	100cm O.C
Cs	21	<i>Cornus sericea</i>	Red Osier Dogwood	60cm Ht	PT	120cm O.C
Dkb	12	<i>Diervilla x Kodiak Black</i> 'SMNDRSF'	Kodiak Black Honeysuckle	60cm Ht	PT	80cm O.C
Fog	18	<i>Fothergilla gardenii</i>	Dwarf Fothergilla	60cm Ht	PT	100cm O.C
Sjd	62	<i>Spiraea japonica</i> 'Double Play Candy Corn'	Double Play Candy Corn Spirea	50cm Ht	PT	60cm O.C
Coniferous Shrubs						
Two	14	<i>Thuja occidentalis</i> 'Woodwardii'	Woodward's Globe Cedar	40cm Spr	PT	120cm O.C
Ornamental Grasses and Perennials						
db	62	<i>Deschampsia cespitosa</i> 'Bronzeschleier'	Bronze Veil Tufted Hair Grass	1g	PT	50cm O.C
eas	30	<i>Elymus arenarius</i>	Blue Lyme Grass	1g	PT	60cm O.C
plb	32	<i>Perovskia atriplicifolia</i> 'Lacey Blue'	Lacey Blue Sage	1g	PT	60cm O.C
sh	174	<i>Sporobolus heterolepis</i>	Prairie Dropseed	1g	PT	60cm O.C

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PHONE: (819) 664-4306
EMAIL: valerie@matelapensee.ca

SCALE
1:250

DESIGN
TB

CHECKED
JP

DRAWN
TB

CHECKED
JP

APPROVED
JP

No.	REVISION	DATE	BY
1.	ISSUED FOR SITE PLAN APPROVAL	DEC 22/22	JP

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. Tree Protection Fence

Found on Sheet L1
D1. Standard Deciduous Tree Planting
D2. Shrub and Perennial Planting
D3. Bike Layout
D4. Clear stone
D5. Pavers

FOR REVIEW ONLY

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO
MEMBER
2022-12-23 09:13:20-05007

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
3493 - 3499 INNES ROAD

DRAWING NAME
LANDSCAPE PLAN

PROJECT No.
118204

REV #1
118204-L1

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