

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	NATIVE/NON-NATIVE*
ROW - Coniferous Trees							
LL	2	<i>Larix laricina</i>	Tamarack	200cm Ht	WB	As Shown	L
ROW - Deciduous Trees (Large)							
QM	4	<i>Quercus macrocarpa</i>	Burr Oak	50mm Cal	WB	As Shown	L
QR	5	<i>Quercus rubra</i>	Red Oak	50mm Cal	WB	As Shown	L
UAP	5	<i>Ulmus americana 'Princeton'</i>	Princeton Elm	50mm Cal	WB	As Shown	C
ROW - Deciduous Trees (Medium)							
AR	3	<i>Acer rubrum</i>	Red Maple	50mm Cal	WB	As Shown	L
COC	1	<i>Celtis occidentalis 'Chicago'</i>	Chicago Hackberry	50mm Cal	WB	As Shown	C
GTI	3	<i>Gleditsia triacanthos var. inermis 'Impco'</i>	Imperial Honeylocust	50mm Cal	WB	As Shown	C
NS	1	<i>Nyssa sylvatica</i>	Black Gum	50mm Cal	WB	As Shown	P
ROW - Deciduous Trees (Small)							
AC	2	<i>Amelanchier canadensis (Single stem)</i>	Shadblow Serviceberry	50mm Cal	WB	As Shown	L
MR	6	<i>Malus 'Royalty'</i>	Royalty Crabapple	50mm Cal	WB	As Shown	C
Coniferous Trees							
PPG	2	<i>Picea pungens var. glauca</i>	Colorado Blue Spruce	200cm Ht	WB	As Shown	C
Deciduous Trees (Large)							
ASI	3	<i>Acer saccharinum</i>	Silver Maple	50mm Cal	WB	As Shown	L
QM	3	<i>Quercus macrocarpa</i>	Burr Oak	50mm Cal	WB	As Shown	L
TAR	4	<i>Tilia americana 'Redmond'</i>	Redmond Linden	50mm Cal	WB	As Shown	C
UAP	1	<i>Ulmus americana 'Princeton'</i>	Princeton Elm	50mm Cal	WB	As Shown	C
Deciduous Trees (Medium)							
AFAP	2	<i>Acer x freemanii 'Autumn Fantasy'</i>	Autumn Fantasy Maple	50mm Cal	WB	As Shown	C
ARR	4	<i>Acer rubrum 'Frank Jr'</i>	Redpointe Red Maple	50mm Cal	WB	As Shown	C
COC	2	<i>Celtis occidentalis 'Chicago'</i>	Chicago Hackberry	50mm Cal	WB	As Shown	C
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MR	1	<i>Malus 'Royalty'</i>	Royalty Crabapple	50mm Cal	WB	As Shown	C
PA	2	<i>Prunus americana</i>	American Plum	50mm Cal	WB	As Shown	P
Deciduous Shrubs							
Am	30	<i>Aronia melanocarpa</i>	Black Chokeberry	60cm Ht	PT	80cm O.C	L
Csk	22	<i>Cornus sericea 'Kelsey'</i>	Kelsey Dogwood	40cm Ht	PT	90cm O.C	C
DI	45	<i>Diervilla lonicera</i>	Bush Honeysuckle	50cm Ht	PT	100cm O.C	L
Perennials							
pbc	58	<i>Phlox subulata 'Emerald Blue'</i>	Emerald Blue Creeeping Phlox	1g	PT	50cm O.C	C
cvm	40	<i>Coreopsis verticillata 'Moonbeam'</i>	Moonbeam Threadleaf Coreopsis	1g	PT	50cm O.C	C
Groundcovers / Ornamental Grasses							
pavg	22	<i>Panicum virgatum</i>	Switch Grass	1g	PT	100cm O.C	P

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

PRODUCT INFORMATION

Install products as per manufacturer specifications. Shop drawings required.

BOULDER

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

BENCH

- 2300 Series - Iconic Backed Benches by Maglin
Product Number: MBE-2300-00015
Frame: Aluminium legs and Steel brackets,
Ipe Wood boards Cedar Color,
Backed Benches
Size: 84cm H X 177.8cm L X 64.7cm Depth
Fixture: Surface Mount

BIKE RACKS

- 2300 Series - Iconic Bike Racks 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

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c/o Olivia Hughes
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SCALE

1:300

0 3 6 9 12

DESIGN

TB

SC

TB

SC

SC

SC

FOR REVIEW ONLY



NOVATECH

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Suite 200, 240 Michael Cowland Drive
Ottawa, Ontario, Canada K2M 1P6

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

LOCATION
STITTSTVILLE, OTTAWA
1883 STITTSTVILLE MAIN STREET

DRAWING NAME
LANDSCAPE PLAN

PROJECT No.
124097

REV #6

DRAWING No.

124097-L1

PLANS/2025-07-12-24-0142

#00000

NORTH

KEY PLAN
N.T.S.

LEGEND

3-D1

DETAIL SHEET # NOVATECH OR CITY
EG. L1, L2, ETC. DETAIL NUMBER SEE LIST
FOR CODE

PROPERTY LIMIT

PROPOSED CONCRETE

PROPOSED PAVERS

STEPPING STONES

RIVER STONE

SOD

SHRUBS, PERENNIALS & GRASSES

PROPOSED REINSTATEMENT
SEEDMIX

PROPOSED DECIDUOUS TREE

EXISTING STREET LIGHTS

DECORATIVE PRIVACY SCREEN
1.2m HT

PROPOSED BOULDERS

PROPOSED LIGHT POLE LOCATIONS.
SEE ELECTRICAL FOR MORE DETAILS

PROPOSED BENCHES

PROPOSED BIKE RACKS

EXISTING TREES

TRANSFORMER.
SEE UTILITIES/ ELECTRICAL PLAN

MINI-SUBS (HYDRO).
SEE UTILITIES/ ELECTRICAL PLAN

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
- SC7.1 Curb Return Entrances - Uncontrolled Intersections

NOVATECH DETAILS

Found on Sheet L2.

- D1. Standard Deciduous Tree Planting
- D2. Standard Coniferous Tree Planting
- D3. Shrub and Perennial Planting
- D4. Bike Layout
- D5. Pavers On Granular
- D6. River Stone
- D7. Boulder Detail
- D8. Stepping Stones
- D9. Bench On Accessible Concrete Pad
- D10. Decorative Privacy Fence

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, 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.
 - 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.
- 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 the reinstatement areas along west side of the subject site -

For slopes 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
Seeding Rate: 25 kg/hectare

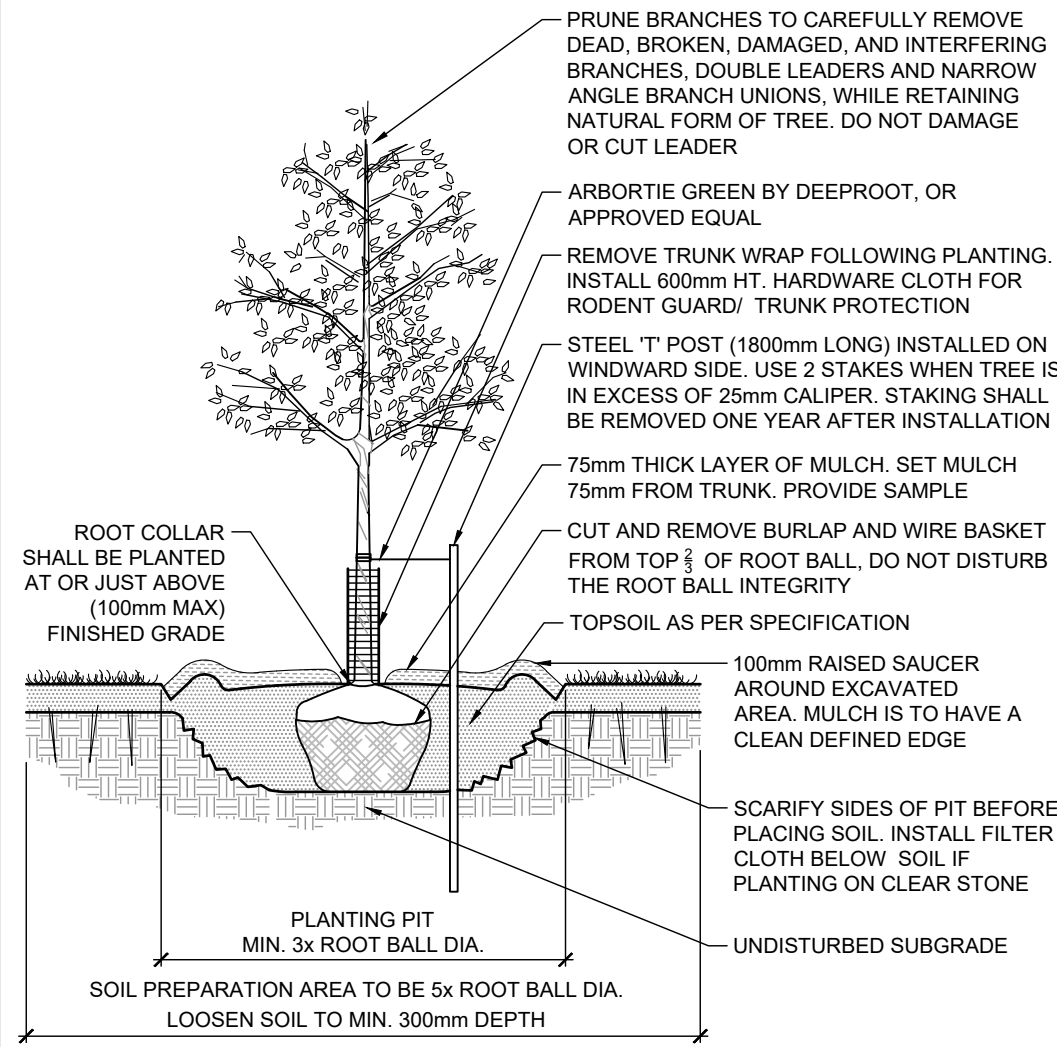
RETENTION AREA SEED MIX BY DLF PICKSEED
Seeding Rate: 22-25 kg/hectare

SOURCE REFERENCE:

PLAN OF SUBDIVISION OF PART OF LOTS 22, 23 AND 24 CONCESSION 9 GEOGRAPHIC TOWNSHIP OF GOULBURN AND BLOCK 198 REGISTERED PLAN 4M-1163 CITY OF OTTAWA, PREPARED BY ANNIS, O-SULLIVAN, VOLLEBEKK LTD. ON FEBRUARY 18, 2017. (PLAN 4M-1589)

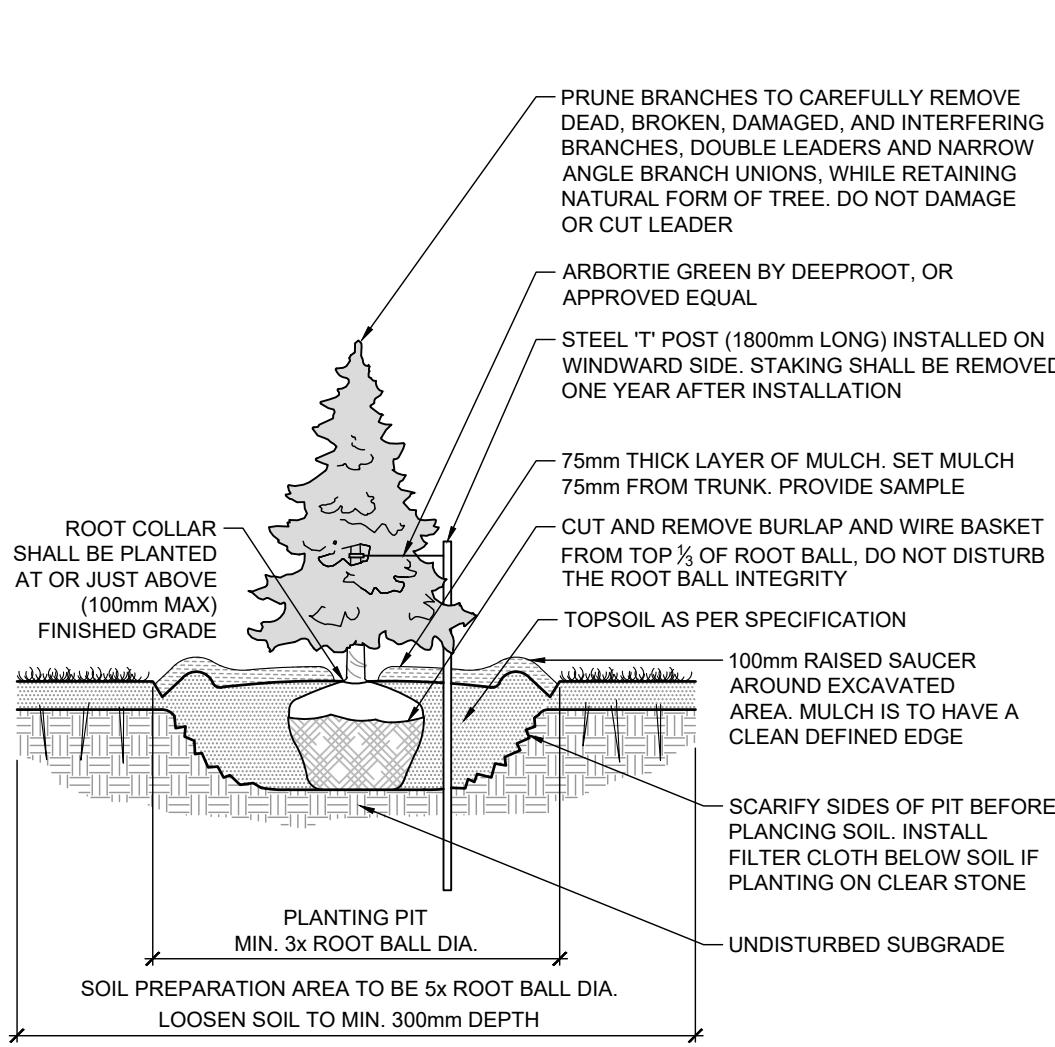
TOPOGRAPHIC INFORMATION:

TOPOGRAPHIC PLAN OF SURVEY OF BLOCK 349 REGISTERED PLAN 4M-1589, PREPARED BY J. D. BARNES LTD. ON AUGUST 19, 2024.



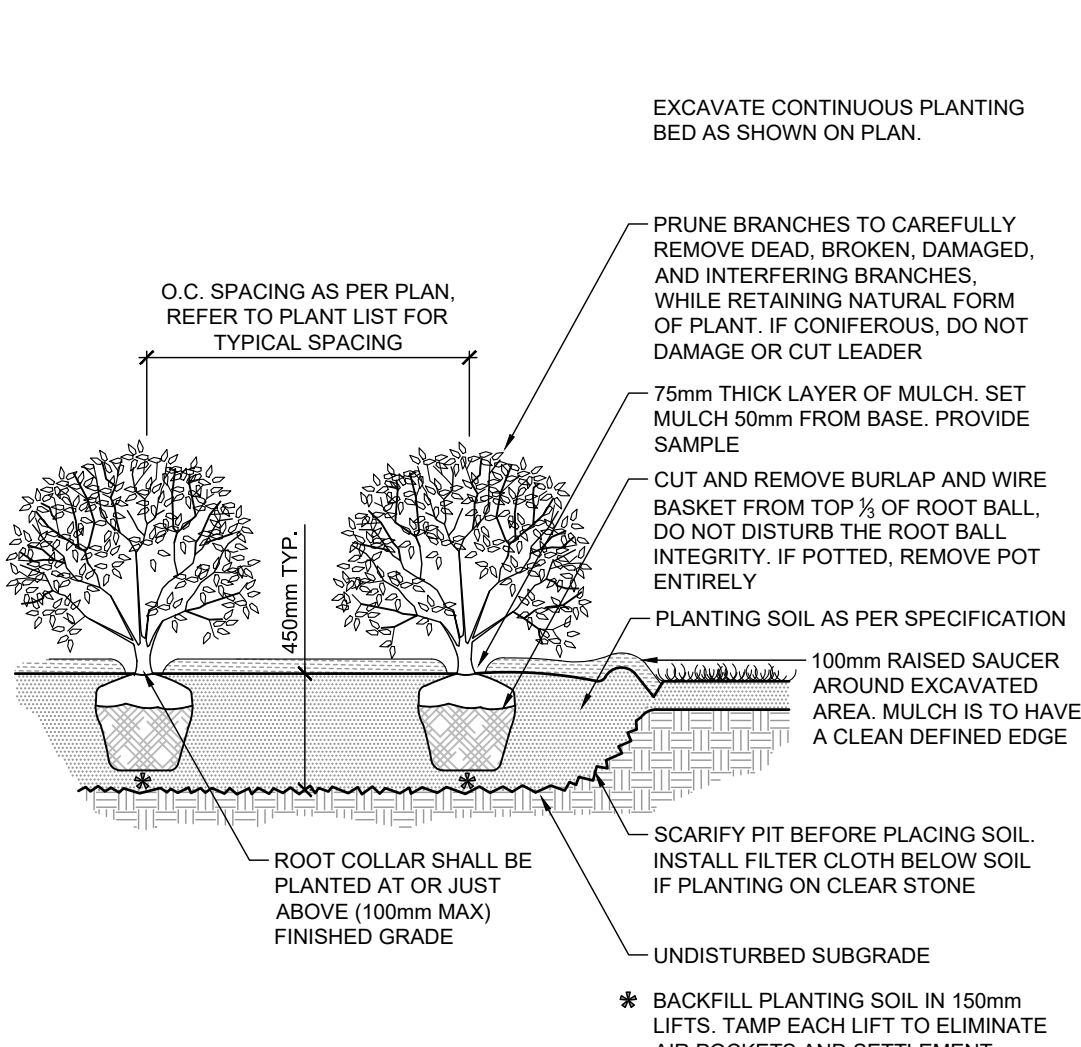
STANDARD DECIDUOUS TREE PLANTING

D1



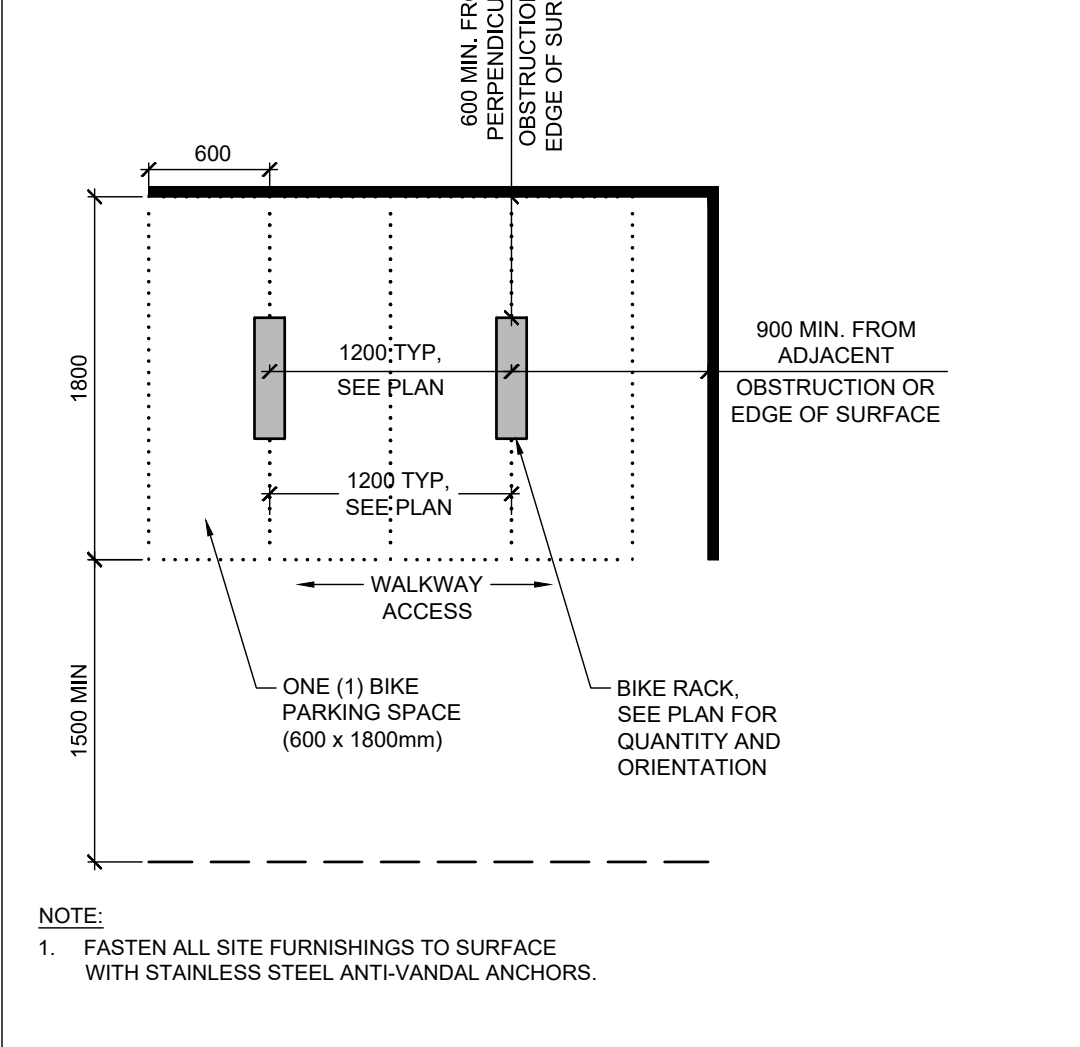
STANDARD CONIFEROUS TREE PLANTING

D2



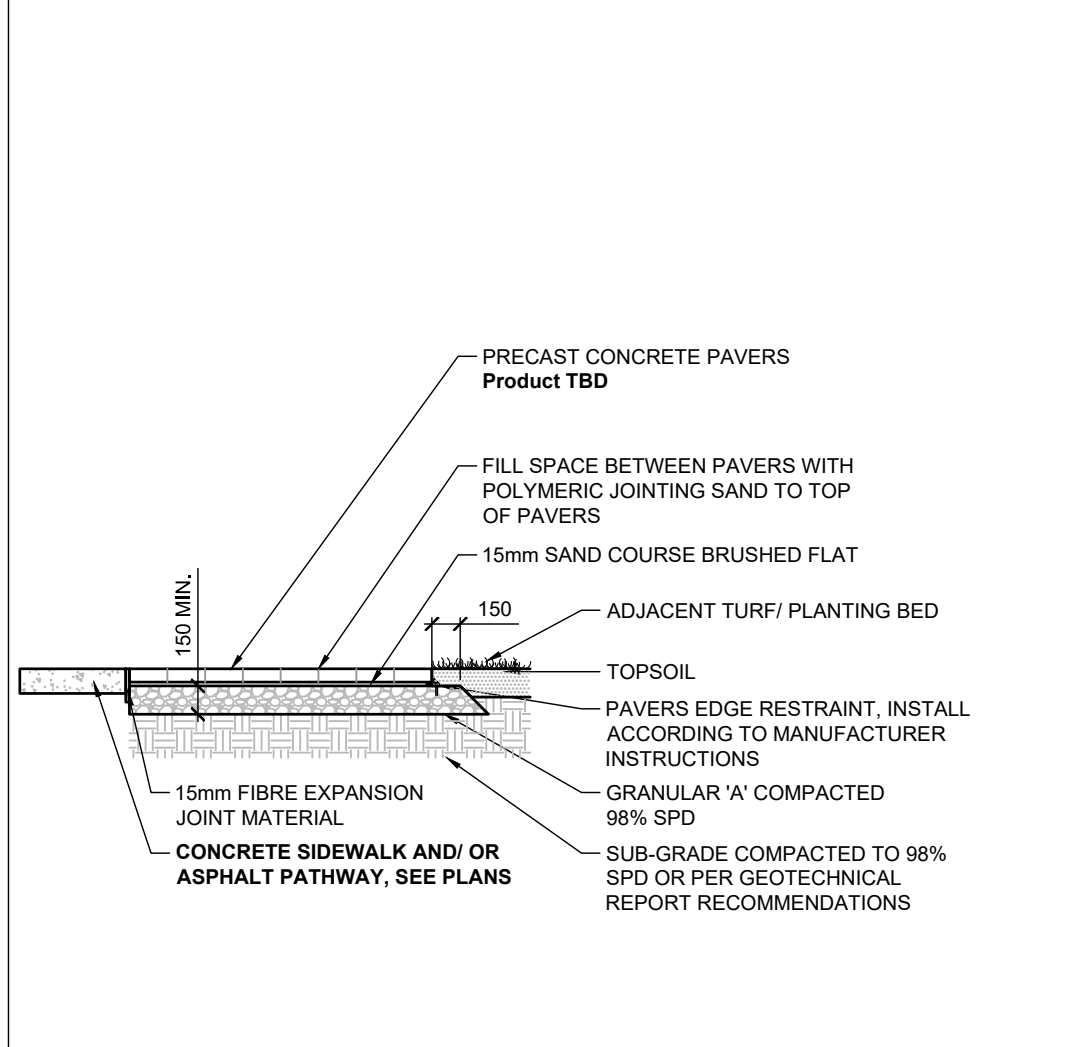
SHRUB AND PERENNIAL PLANTING

D3



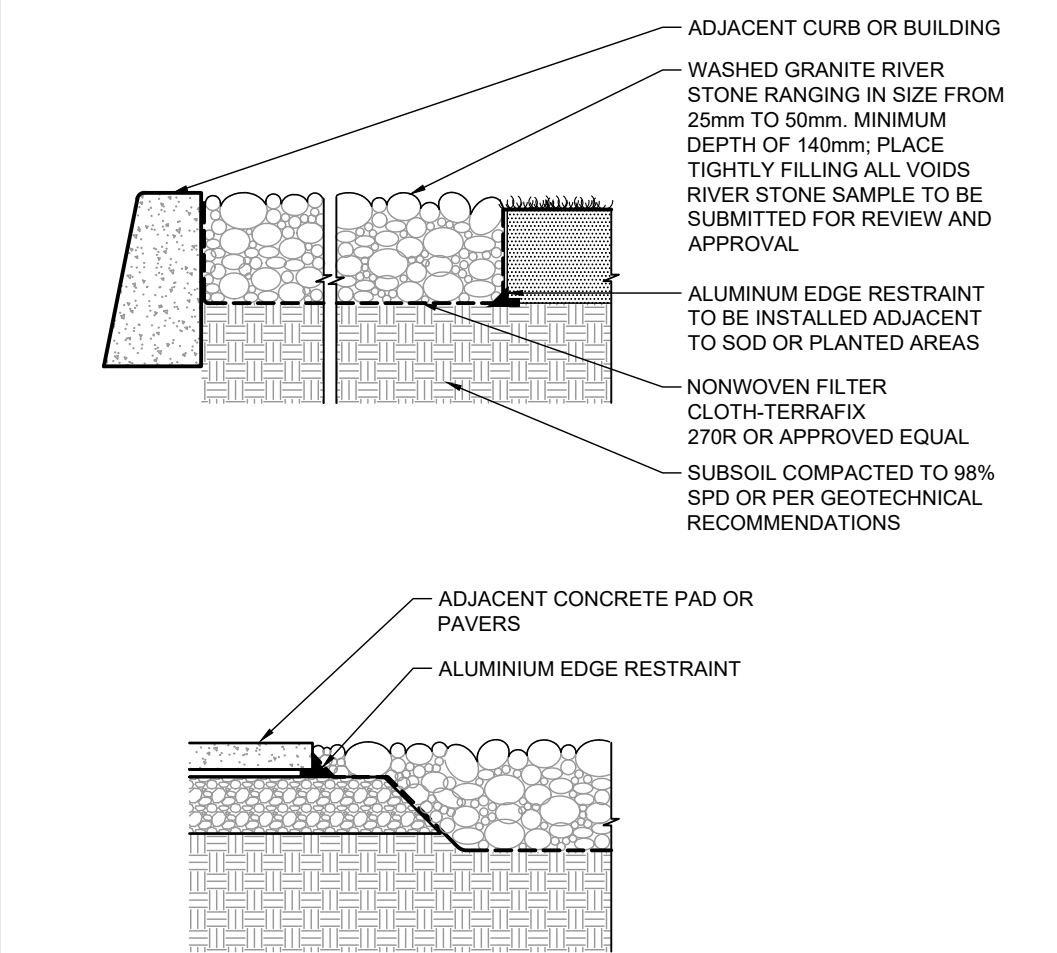
BIKE LAYOUT

D4



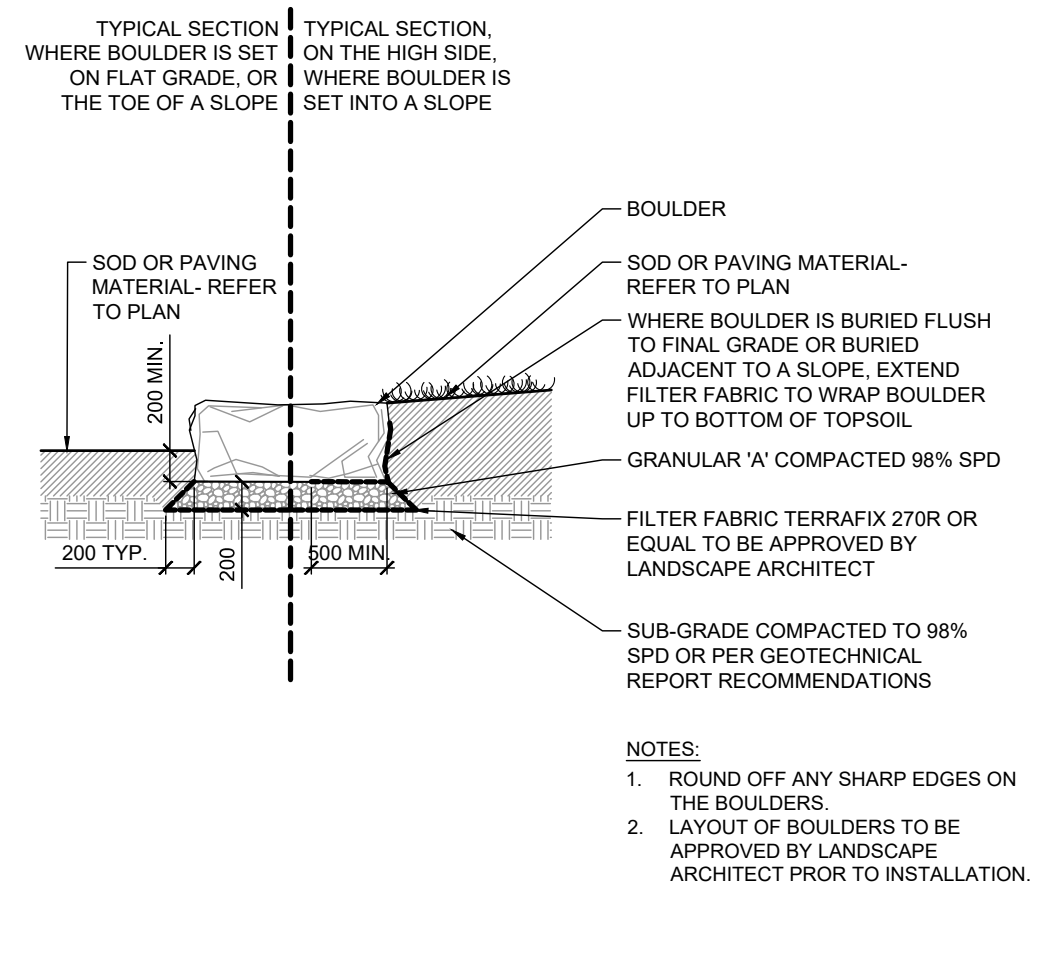
PAVERS ON GRANULAR

D5



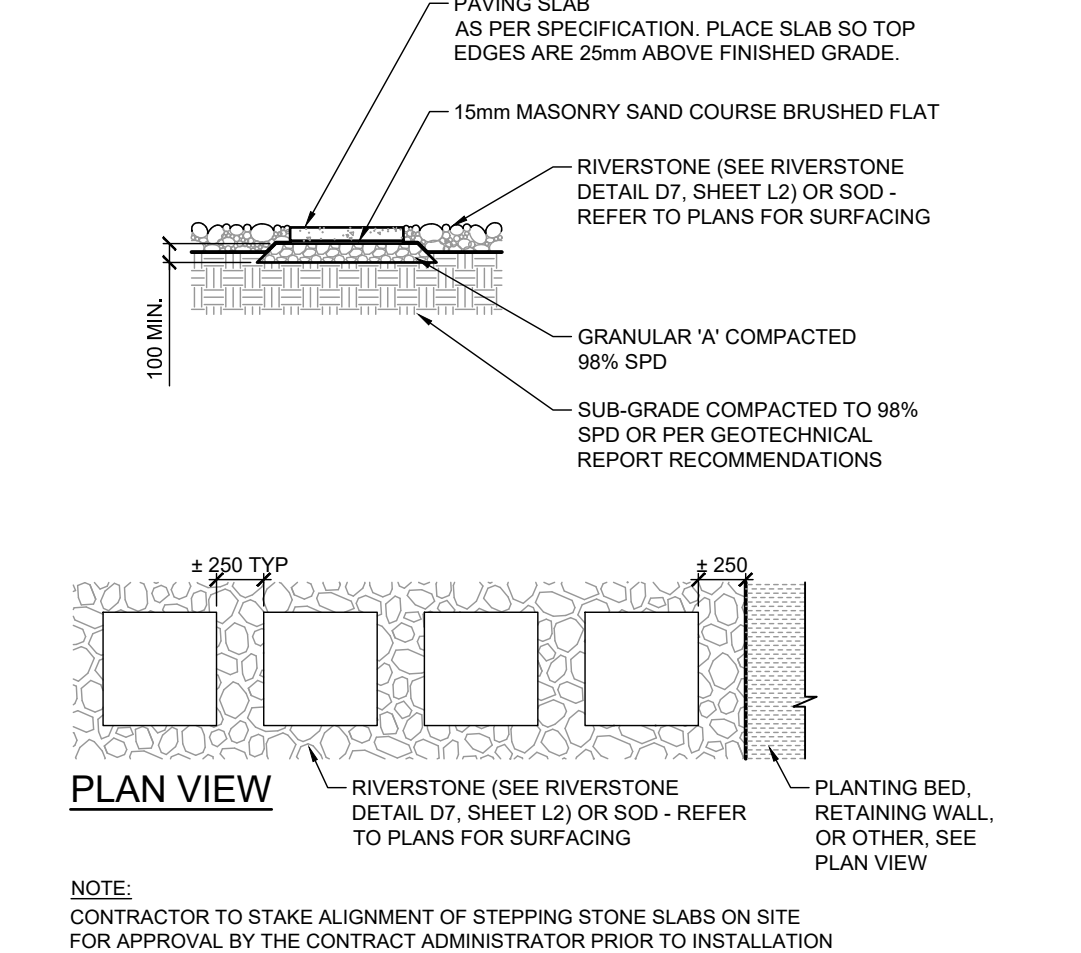
RIVER STONE

D6



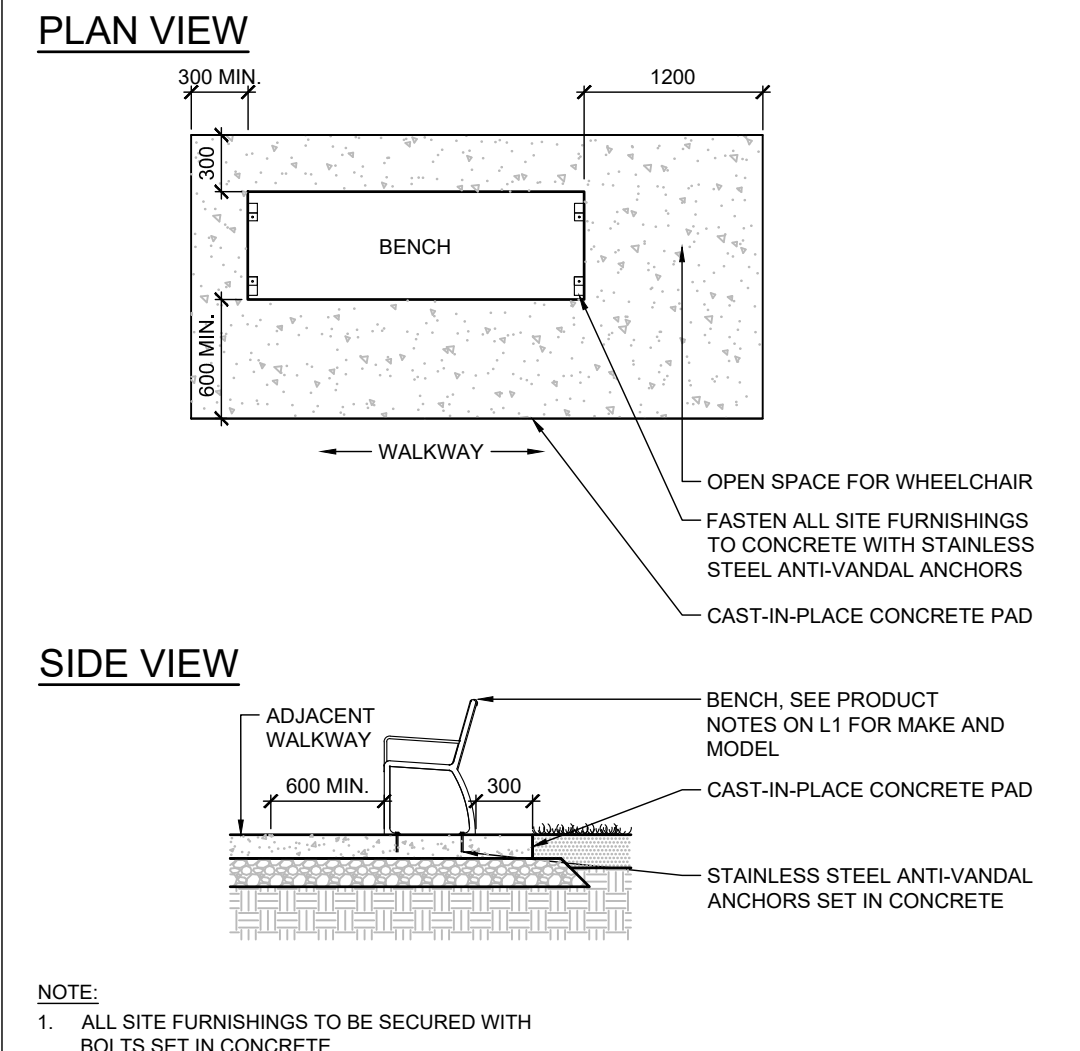
BOULDER DETAIL

D7



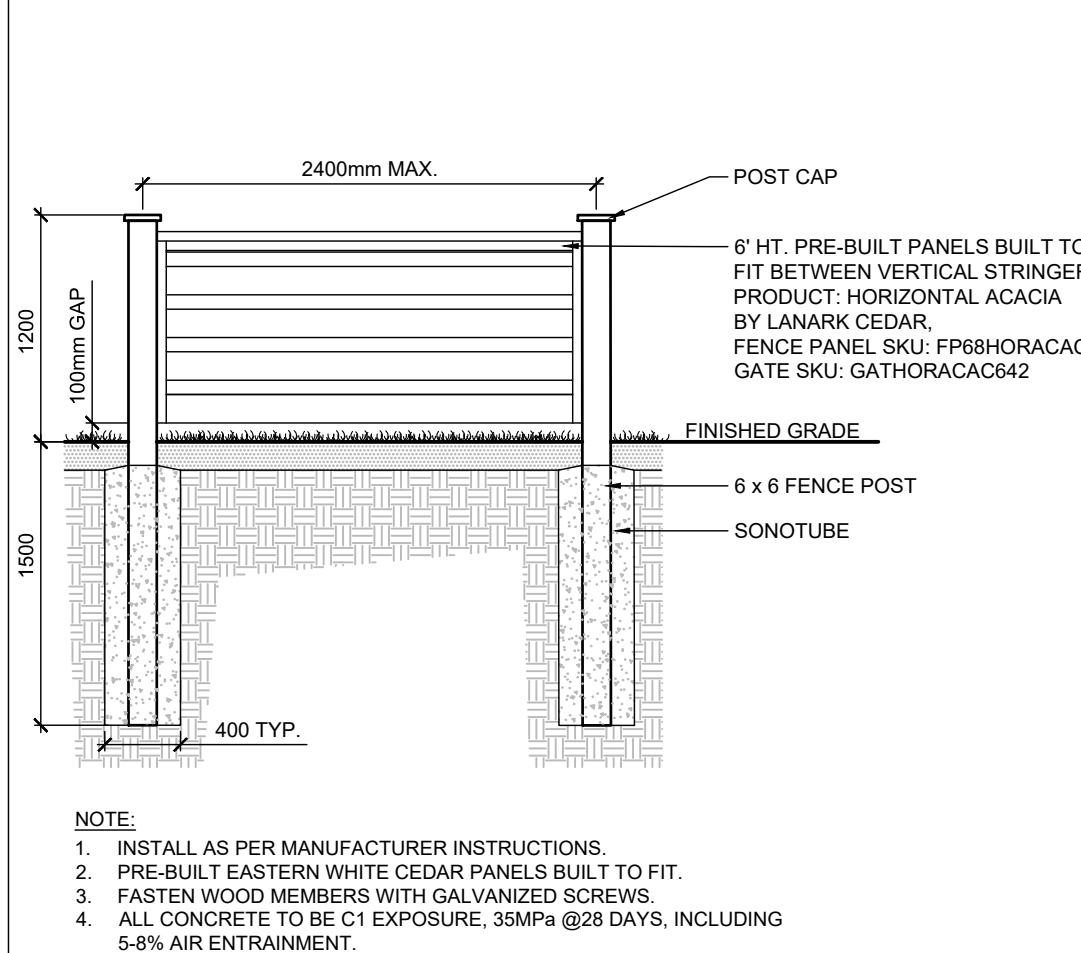
STEPPING STONES

D8



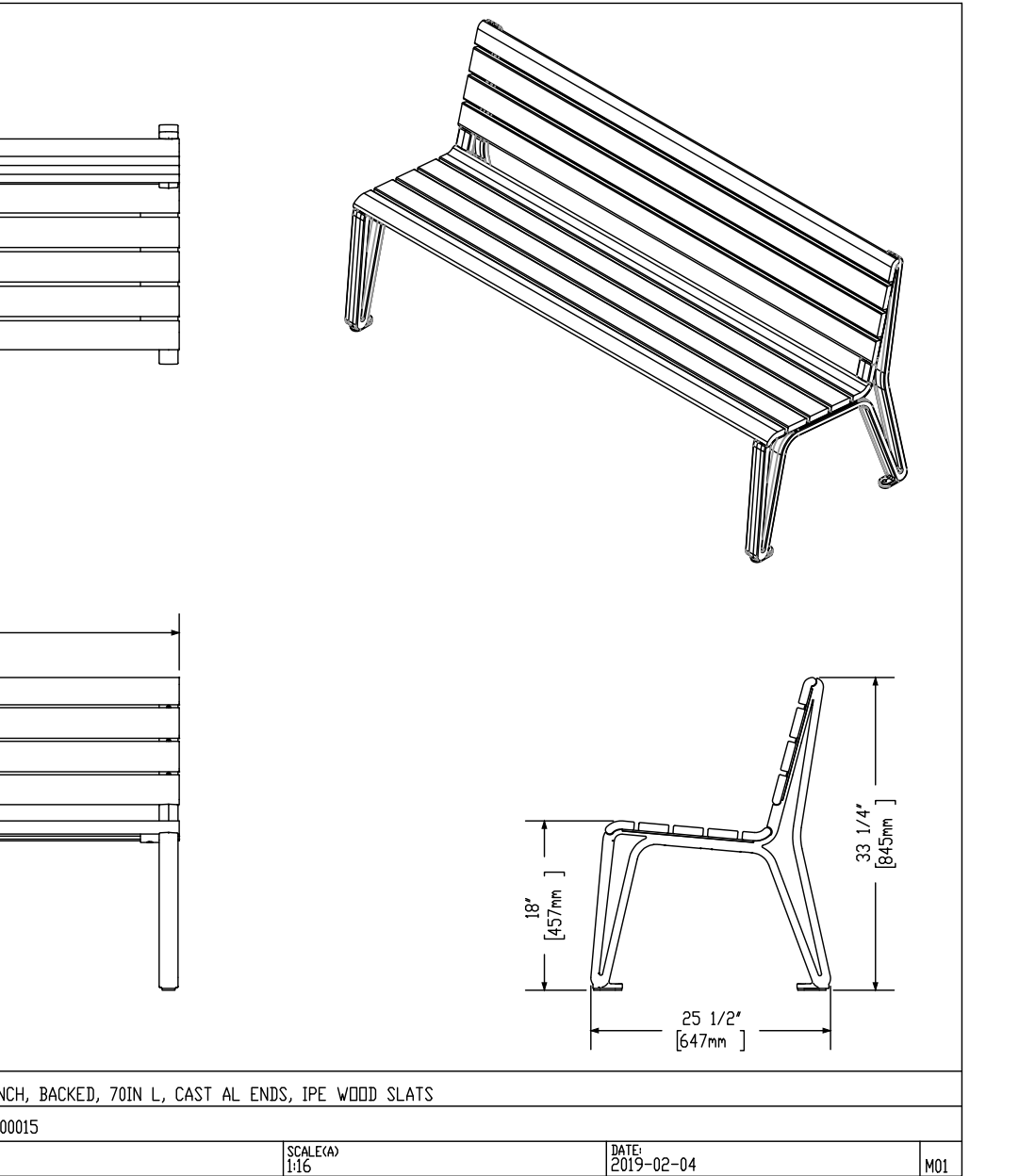
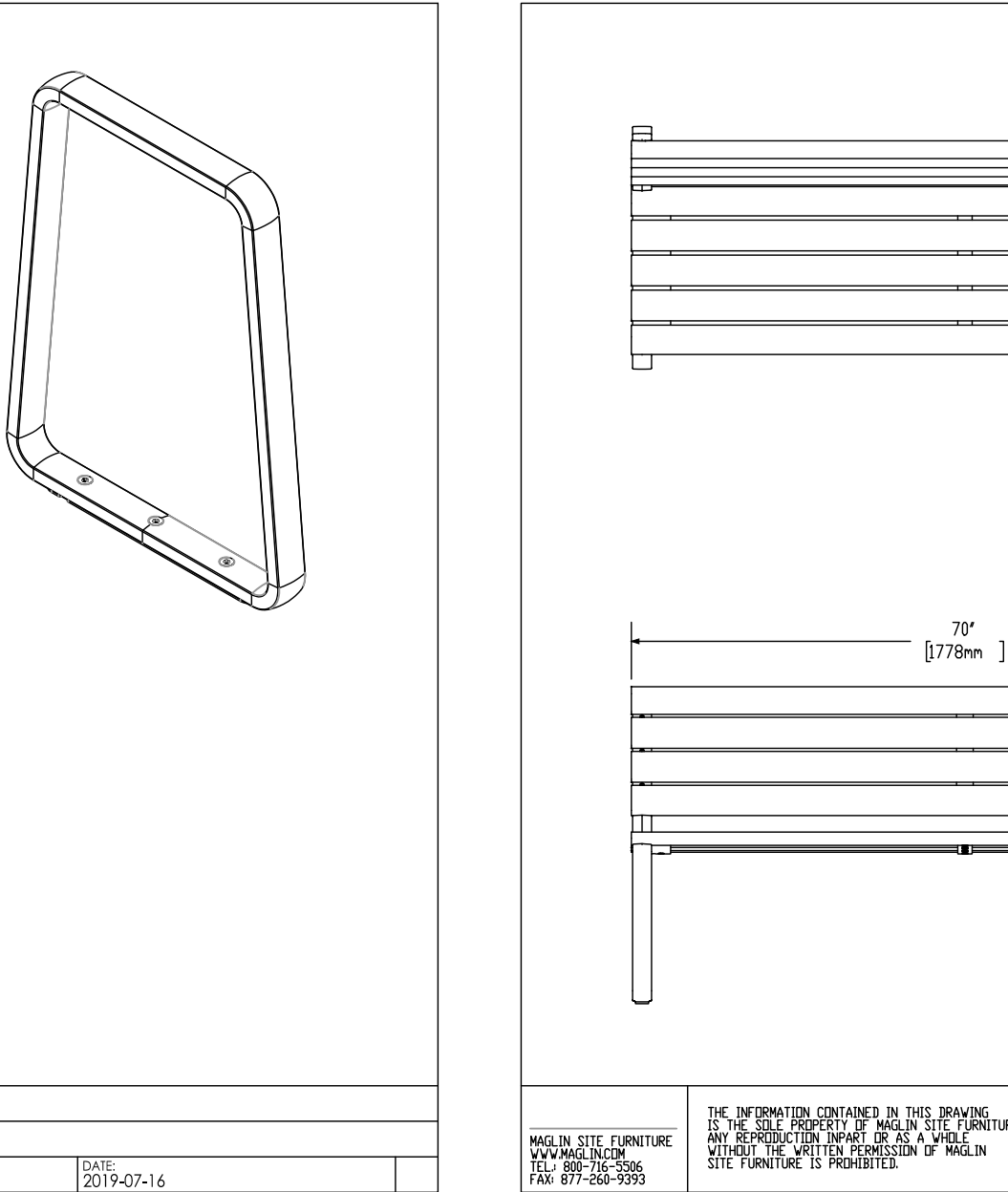
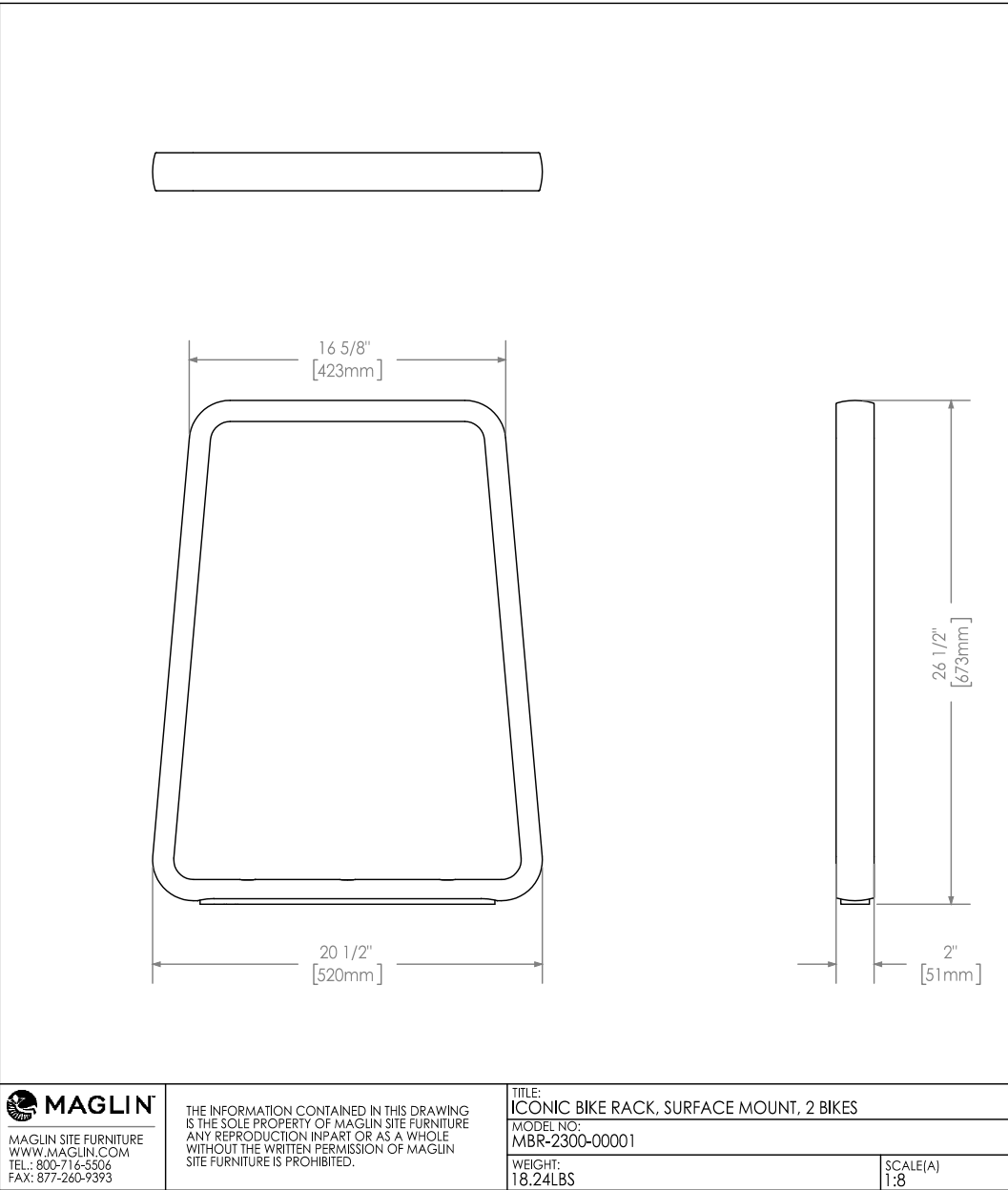
BENCH ON ACCESSIBLE CONCRETE PAD

D9



DECORATIVE PRIVACY SCREEN

D10



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DESIGN	TB
CHECKED	SC
DRAWN	TB
CHECKED	SC
APPROVED	SC

SCALE	
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	PROJECT No. 124097 REV REV #6 DRAWING No. 124097-L2
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LOCATION STITTSVILLE, OTTAWA 1883 STITTSVILLE MAIN STREET	DRAWING NAME LANDSCAPE DETAILS
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D07-12-24-0142

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 (20m²)	Medium (25m²)	Large (30m²)	Evergreen (25m²)		
Planting bed 1	384	384	1	1	4	2	8	120.00
Planting bed 2	18	18	1	0	0	0	1	20.00
Planting bed 3	17	17	1	0	0	0	1	20.00
Planting bed 4	77	77	1	0	1	0	2	30.00
Planting bed 5	29	29	0	1	0	0	1	25.00
Planting bed 6	141	141	2	0	1	0	3	42.00
Planting bed 7	22	22	1	0	0	0	1	20.00
Planting bed 7a	44	44	1	0	0	0	1	20.00
Planting bed 8	57	57	0	0	2	0	2	36.00
Planting bed 9	19	19	1	0	0	0	1	20.00
Planting bed 10	66	66	1	0	0	0	1	20.00
Planting bed 11	140	140	0	2	2	0	4	66.00
Planting bed 12	51	51	0	0	1	0	1	30.00
Planting bed 13	202	202	0	0	4	0	4	72.00
Planting bed 14	19	19	1	0	0	0	1	20.00
Planting bed 15	19	19	1	0	0	0	1	20.00
Planting bed 16	74	74	0	0	1	0	1	30.00
Planting bed 17	68	68	0	0	1	0	1	30.00
Planting bed 18	19	19	1	0	0	0	1	20.00
Planting bed 19	19	19	1	0	0	0	1	20.00
Planting bed 20	372	372	1	4	4	0	9	144.00
Planting bed 21	130	130	1	0	2	0	3	48.00
Planting bed 22	191	191	0	3	0	0	3	45.00
Planting bed 23	55	55	0	1	0	0	1	25.00
Planting bed 24	52	52	0	1	0	0	1	25.00
Planting bed 25	45	45	0	0	0	0	0	0.00

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

LEGEND

- PROPERTY LIMIT
- PROPOSED CONCRETE
- PROPOSED PAVERS
- STEPPING STONES
- RIVER STONE
- SOD
- SHRUBS, PERENNIALS & GRASSES
- PROPOSED REINSTATEMENT SEEDMIX
- PROPOSED DECIDUOUS TREE
- CANOPY COVER OF TREES AT MATURITY
- EXISTING STREET LIGHTS
- DECORATIVE PRIVACY SCREEN 1.2m HT
- PROPOSED BOULDERS
- PROPOSED LIGHT POLE LOCATIONS, SEE ELECTRICAL FOR MORE DETAILS
- PROPOSED BENCHES
- PROPOSED BIKE RACKS
- EXISTING TREES TO BE RETAINED

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PROPOSED CANOPY COVER ESTIMATE

PROPOSED & RETAINED CANOPY COVERAGE AT MATURITY				
SIZE OF PROPOSED TREE	AVERAGE	CANOPY COVERAGE PER	QUANTITY	TOTAL CANOPY
	MATURE SPREAD	TREE AT MATURITY (m2)	OF TREES	COVERAGE
Deciduous trees- Small	4.5m	16	13	208
Deciduous trees- Medium	10m	79	18	1422
Deciduous trees- Large	14m	154	24	3696
Coniferous trees	5m	20	4	78
TOTAL PROPOSED CANOPY COVERAGE (m2):				5,404
TOTAL SITE AREA FOR 1883 STITTSVILLE MAIN ST (m2):				10,476
EST. PROPOSED CANOPY COVERAGE (%):				52%
1. Area of a circle = (π x r) x π				
2. Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x π				

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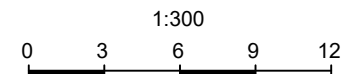
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SCALE

1:300



DESIGN

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LOCATION
STITTSVILLE, OTTAWA
1883 STITTSVILLE MAIN STREET

DRAWING NAME
SOIL AND CANOPY PLAN

PROJECT No.	124097
REV	REV #5
DRAWING No.	124097-L3

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