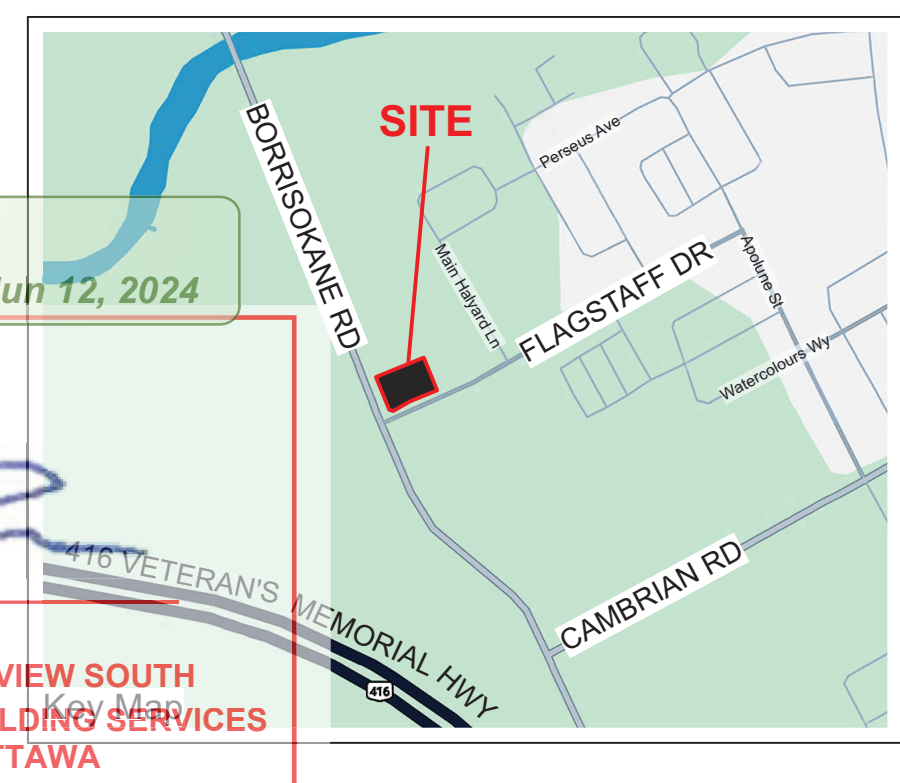


BLOCK 66, PLAN 4M1705
 SUBJECT TO AN
 EASEMENT AS IN
 OC2553461 CITY OF
 OTTAWA

APPROVED
 By Lily Xu at 3:30 pm, Jun 12, 2024

LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH
 PLANNING, DEVELOPMENT, AND BUILDING SERVICES
 DEPARTMENT, CITY OF OTTAWA



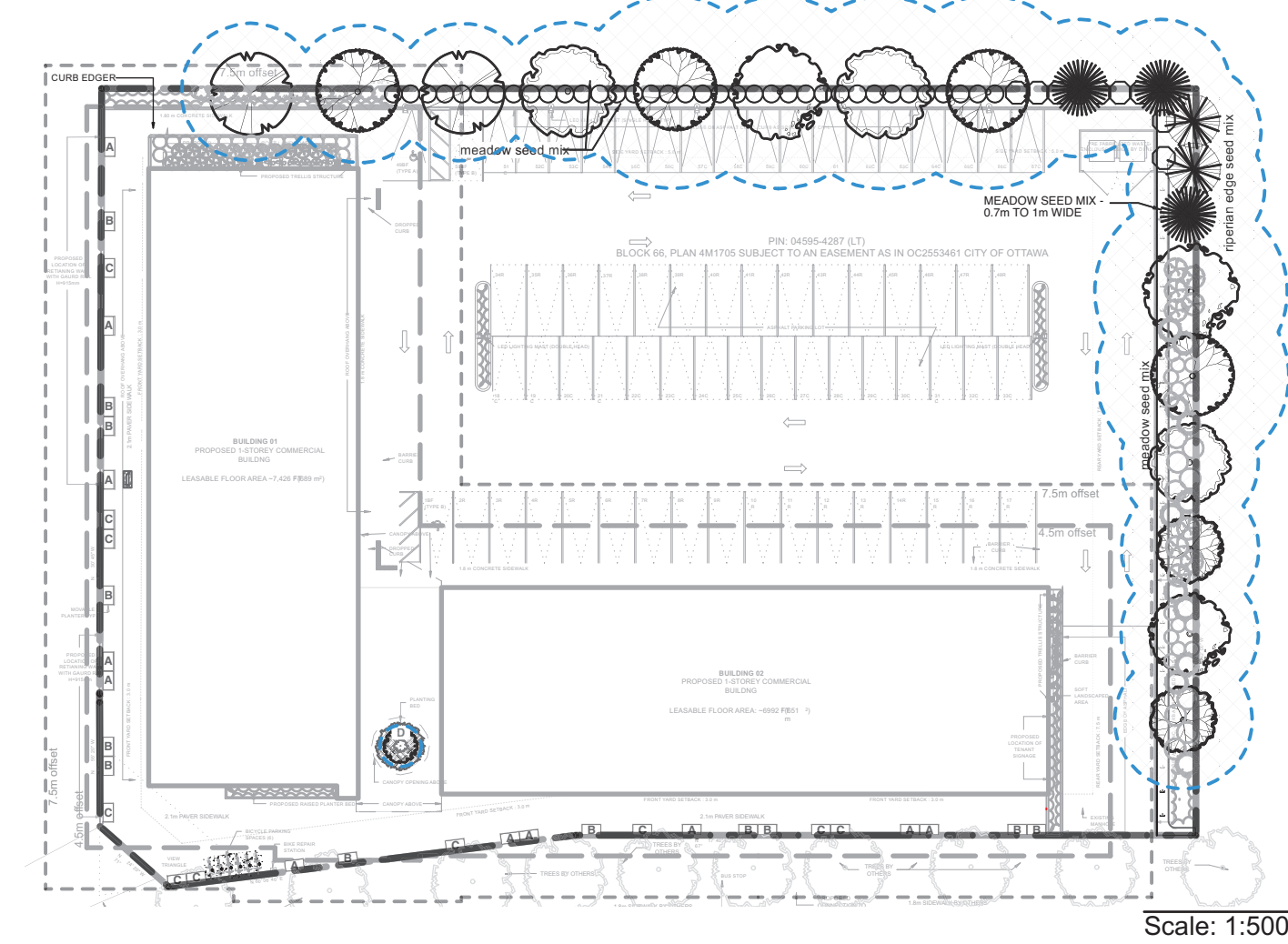
- GENERAL NOTES**
- All general site information and conditions compiled from existing plans, surveys and consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions.
 - The location of the utilities is approximate only, and the exact location should be determined by consulting the municipal authorities and utility companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.
 - All dimensions shown are to be verified on site prior to any construction. No deviations are to be made from the layouts as shown on this plan without prior consultation with the Landscape Architect and Owner.
 - Obtain approval of Landscape Architect for granular base and layout of all pavement areas prior to construction.
 - Stake planting locations and receive approval of Landscape Architect, prior to excavation of any planting pits. No substitutions of plant material shall be made without prior approval of the Landscape Architect.
 - Where clay is encountered proper drainage must be ensured in tree/shrub pits, prior to planting. Have method approved by Landscape Architect.
 - Maintain positive surface runoff through the entire construction period.
 - Reinstate all areas and items damaged as a result of construction activities.

NOTE
 THIS PLAN IS ISSUED FOR SITE PLAN CONTROL SUBMISSION ONLY.
 ADDITIONAL DETAILING AND SPECIFICATIONS ARE REQUIRED
 PRIOR TO TENDERING OR CONSTRUCTION.



TREE CANOPY COVERAGE

TOTAL CANOPY AREA	1319 m ²
TOTAL SITE AREA	4390 m ²
PERCENT COVERAGE	30%



LEGEND

- PROPERTY LINE
- 4.5m GEOTECHNICAL OFFSET
- 7.5m GEOTECHNICAL OFFSET
- HYDRO LINE
- HYDRO LINESSET
- PRECAST PAVERS
- PERMEABLE PRECAST PAVERS
- CONCRETE
- SHRUB BED
- PROPOSED CLIMBERS
- ORNAMENTAL GRASS BED
- NATIVE MEADOW SEED MIX
- PLANTERS - outdoor
- PLANTER - under roof
- SOIL VOLUME AREA & ID
- PROPOSED SITE TREES
- STREET TREES (BY SUBDIVISION)

To be used inside eastern property line adjacent to curb

Meadow Seed mix

<i>Bromus ciliatus</i>	Fringed Brome
<i>Elymus canadensis</i>	Canada Wild Rye
<i>Monarda fistulosa</i>	Wild Bergamot
<i>Rudbeckia fulgida</i>	Blackeyed Susan
<i>Schizachyrium scoparium</i>	Little bluestem
<i>Sporobolus compositus</i>	Rough Dropseed
<i>Symphoricarpos novae-angliae</i>	New England Aster
<i>Spartina pectinata</i>	Prairie Cord Grass

To be used along eastern edge of property for reinstatement

Riparian Seed Mix

<i>Agrostis perennans</i>	Autumn Bentgrass
<i>Agrostis scabra</i>	Ticklegrass
<i>Carex vulpinoidea</i>	Fox Sedge
<i>Elymus virginicus</i>	Virginia Wild Rye
<i>Poa palustris</i>	Fowl Bluegrass
<i>Puccinellia nuttalliana</i>	Nuttall's Alkali Grass
<i>Asclepias incarnata</i>	Marsh Milkweed
<i>Physostegia virginiana</i>	Obedient plant
<i>Veronicastrum virginicum</i>	Culvers Root
<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint

Soil Volume Area, Tree Quantity and Size

Area	Tree Quantity	OTTAWA Target Soil Volume (m ³)	Design Soil Volume	Soil Adequacy percentage
AREA 1 - 4 large trees, 4 medium trees, 1 conifer plant bed (160 sq m x 0.9 metre deep)	9	147.0	144.0	97.96%
AREA 2 - 2 large trees, 4 medium trees, 4 conifers plant bed (245 sq m x 0.7 metre deep)	10	156.0	171.5	109.94%
AREA 3 - 1 small ornamental tree (15cm DBH)* plant bed (7 sq m x 0.9 metre deep)	1	7.0	6.3	90.00%

* Small ornamental trees with growth to 8-15cm DBH, large shrubs, and columnar conifers calculated using 'How much soil to grow a big tree' by DeepRoot as a guide

Plant List

ID	Qty	Botanical Name	Common Name	Sched.	Size	Remarks	Origin
TREES							
Ar	3	<i>Acer rubrum</i>	Red Maple		70mm caliper	WB, Staked	Ntv
Ag	2	<i>Aesculus glabra</i>	Ohio Buckeye		50mm caliper	WB, Staked	Ntv
Bp	2	<i>Betula papyrifera</i>	Paper Birch, Canoe Birch		60mm caliper	WB, Staked	Ntv
Co	4	<i>Callis occidentalis</i>	Common Hackberry		60mm caliper	WB, Staked	Ntv
Pg	2	<i>Picea glauca</i>	White Spruce		200cm ht	WB, Staked	Ntv
Pst	2	<i>Pinus strobus</i>	Eastern White Pine		200cm ht	WB, Staked	Ntv
Qr	3	<i>Quercus rubra</i>	Northern Red Oak		70mm caliper	WB, Staked	Ntv
Tc	1	<i>Tsuga canadensis</i>	Canadian Hemlock		200cm ht	WB, Staked	Ntv
SHRUBS							
Am	9	<i>Aronia melanocarpa</i>	Black Chokeberry		50cm ht.	Bare root	Ntv
CoBB	14	<i>Cephalanthus occidentalis</i>	Buttonbush		50cm ht.	Potted	Ntv
Cr	9	<i>Cornus racemosa</i>	Gray Dogwood		50cm ht.	Potted	Ntv
DI	14	<i>Diervilla lonicera</i>	Dwarf Bush-honeysuckle		2 gallon pot	Potted	Ntv
Pf	17	<i>Potentilla fruticosa</i>	Bush Cinquefoil		2 gallon pot	Potted	Ntv
Ra	36	<i>Rhus aromatica</i>	Fragrant Sumac		50cm ht.	Potted	Ntv
Sa	27	<i>Symphoricarpos albus</i>	Snowberry		50cm ht.	Potted	Ntv
To(NC)	11	<i>Thuja occidentalis</i> (Nursery grown, Clumps)	White Cedar, Eastern Arborvitae		200cm ht	B&B	Ntv H
CLIMBERS							
Ld	6	<i>Lonicera dioica</i>	Glaucous Honeysuckle		3 year	Potted	Ntv
Cvir	8	<i>Clematis virginiana</i>	Virgin's Bower Clematis		3 year	Potted	Ntv
Cleo	6	<i>Clematis occidentalis</i>	Blue Virgin's Bower		3 year	Potted	Ntv
PERENNIALS							
PvA	61	Ornamental Grasses - Mixed	Karl Foerster Featherreed Grass, Switch Grass, Big Bluestem		3 year	Potted	Mix
PvB	42	Ornamental Grasses - Native	Hall's Fescue, Bottlebrush Grass, Canada Wild Rye, Little Bluestem		3 year	Potted	Ntv
Planters							
PpA	11	Planter type A	Per planter: 2 Rodgersia, 14 (Wild Strawberry, Pink Coreopsis, Candytuft				Mix
PpB	13	Planter type B	Per planter: 2 Little Bluestem Grass, 17 (trailing sedum varieties, Wild Strawberry, Pink Coreopsis)				Mix
PpC	10	Planter type C	Per planter: 2 Prairie Dropseed Grass, 17 (Trailing sedum varieties, Wild Strawberry, trailing Phlox)				Mix
			18 <i>Hosta</i> spp. 50 (Phlox				

NUKK

DESIGN & SYSTEMS
 STRUCTURAL & WELDING ENGINEERS

TTF ENGINEERING

FOTENN
 Planning + Design

G C I G H
 TRANSPORTATION

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GRADIENTWIND
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25:6 ARCHITECTURE
 URBAN DESIGN

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1	Issued for SPC	2023/08/22	

DESIGNED BY / CONGR PAR: M. Ruhland
 DRAWN BY / DESINE PAR: T. Frost / V. Odusanya
 CHECKED BY / VERIFIE PAR: M. Ruhland
 SCALE / ECHELLE: 1:200

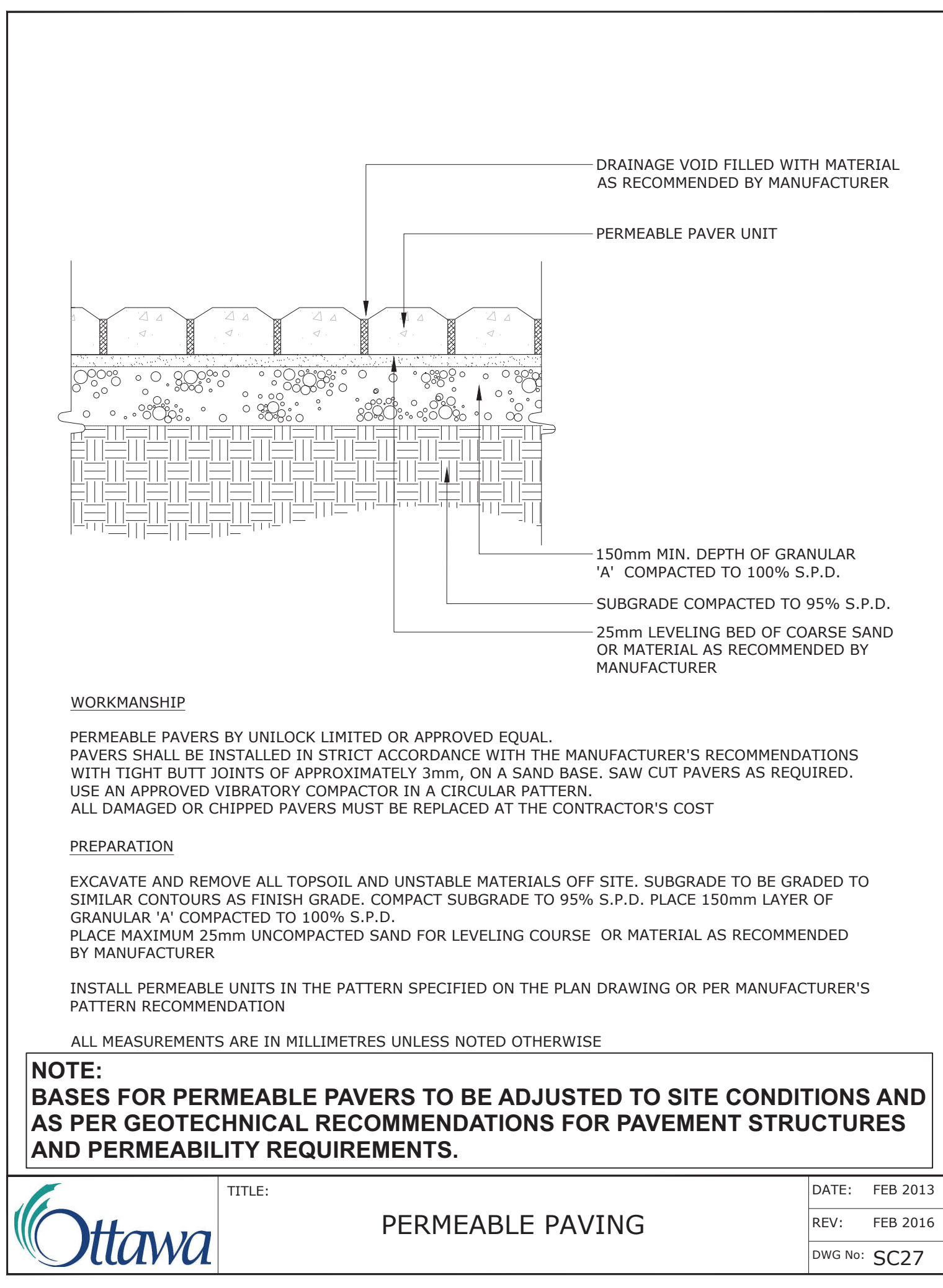
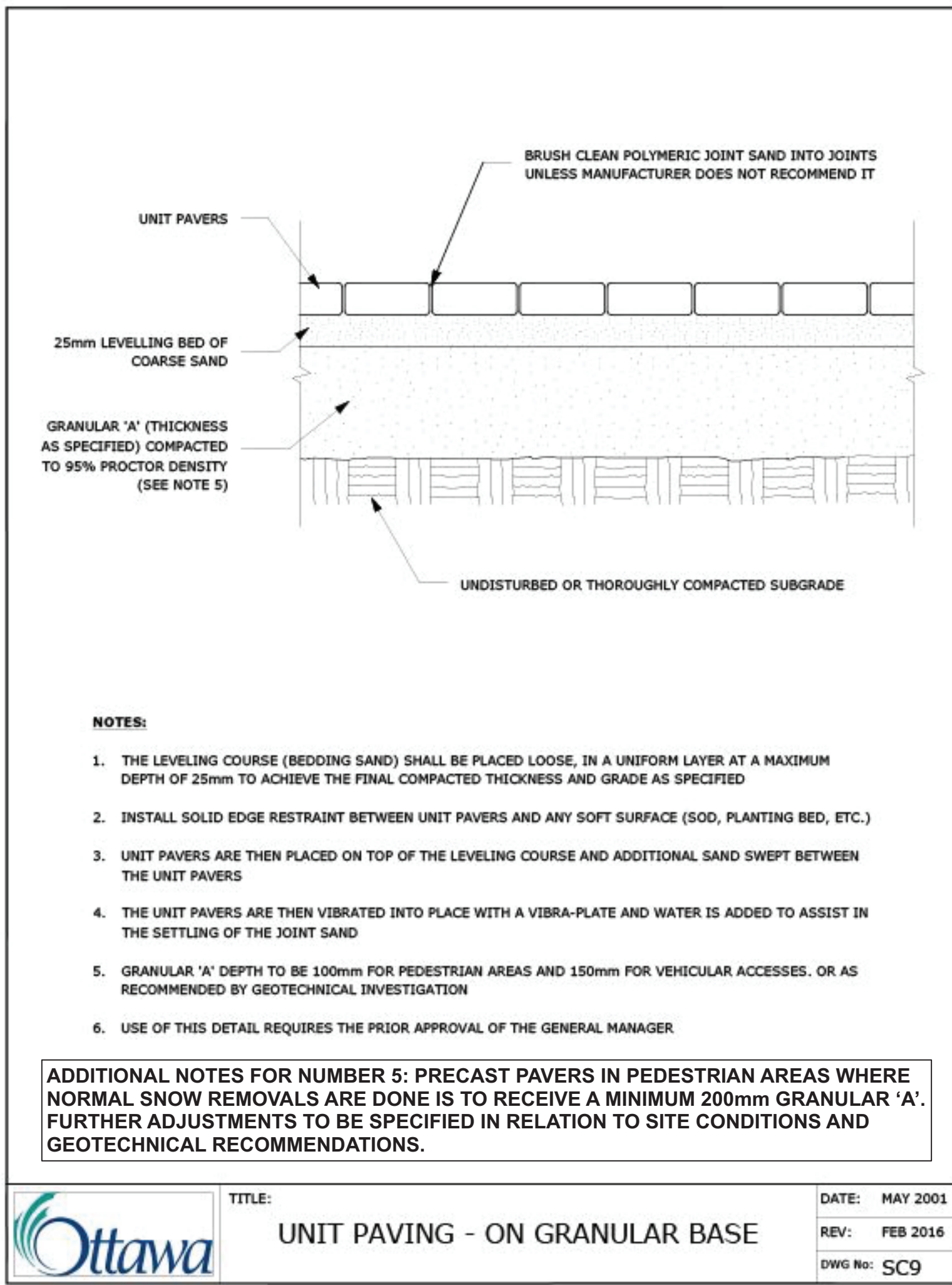
ARCHITECT: CONSULTANT

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO

PROJECT / LOCATION: THE NUKK
 652 FLAGSTAFF DRIVE, OTTAWA ON.

DRAWING: LANDSCAPE PLAN

SHEET NO.: L-01
 PROJECT NO.: 23-1719

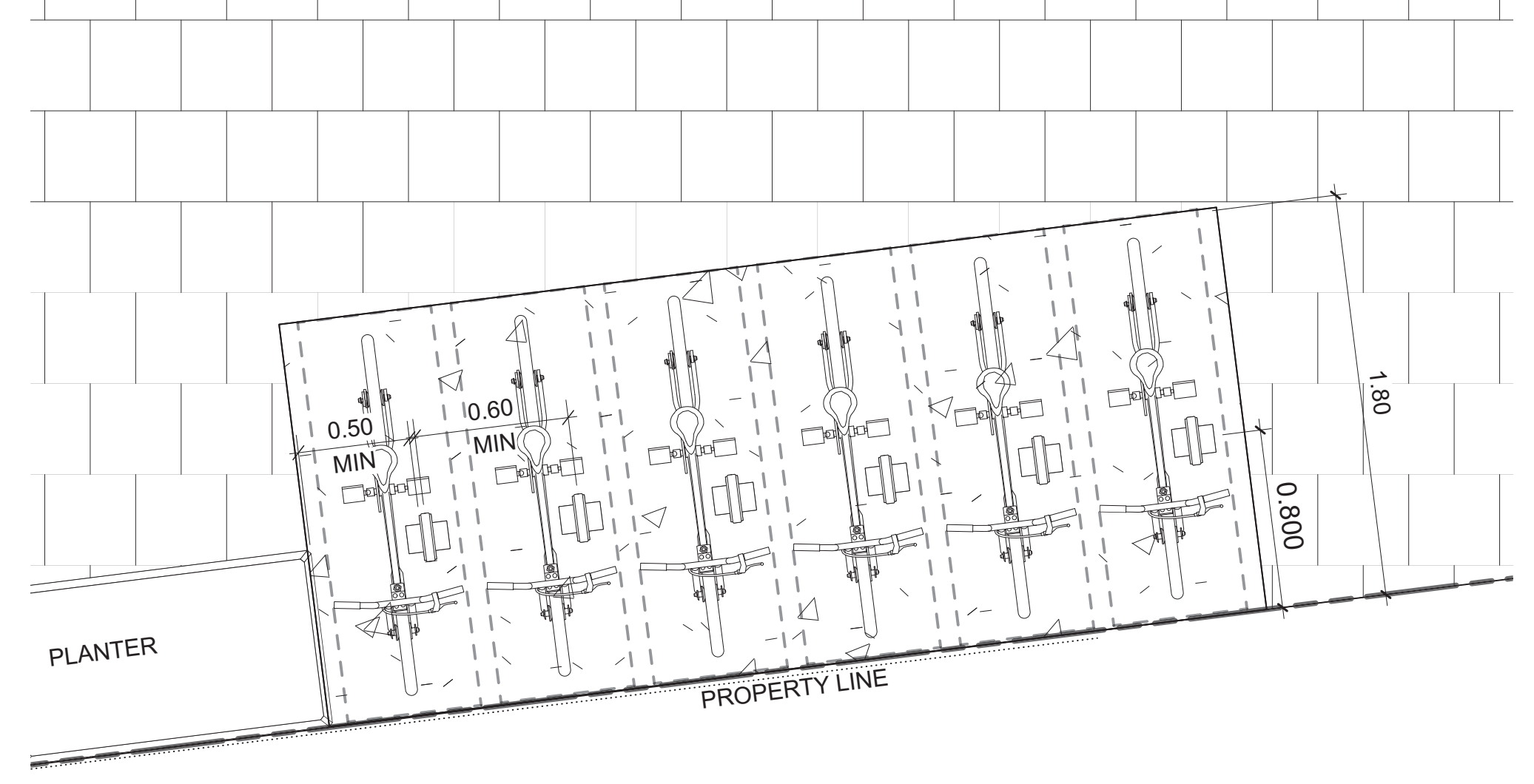


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By Lily Xu at 3:30 pm, Jun 12, 2024

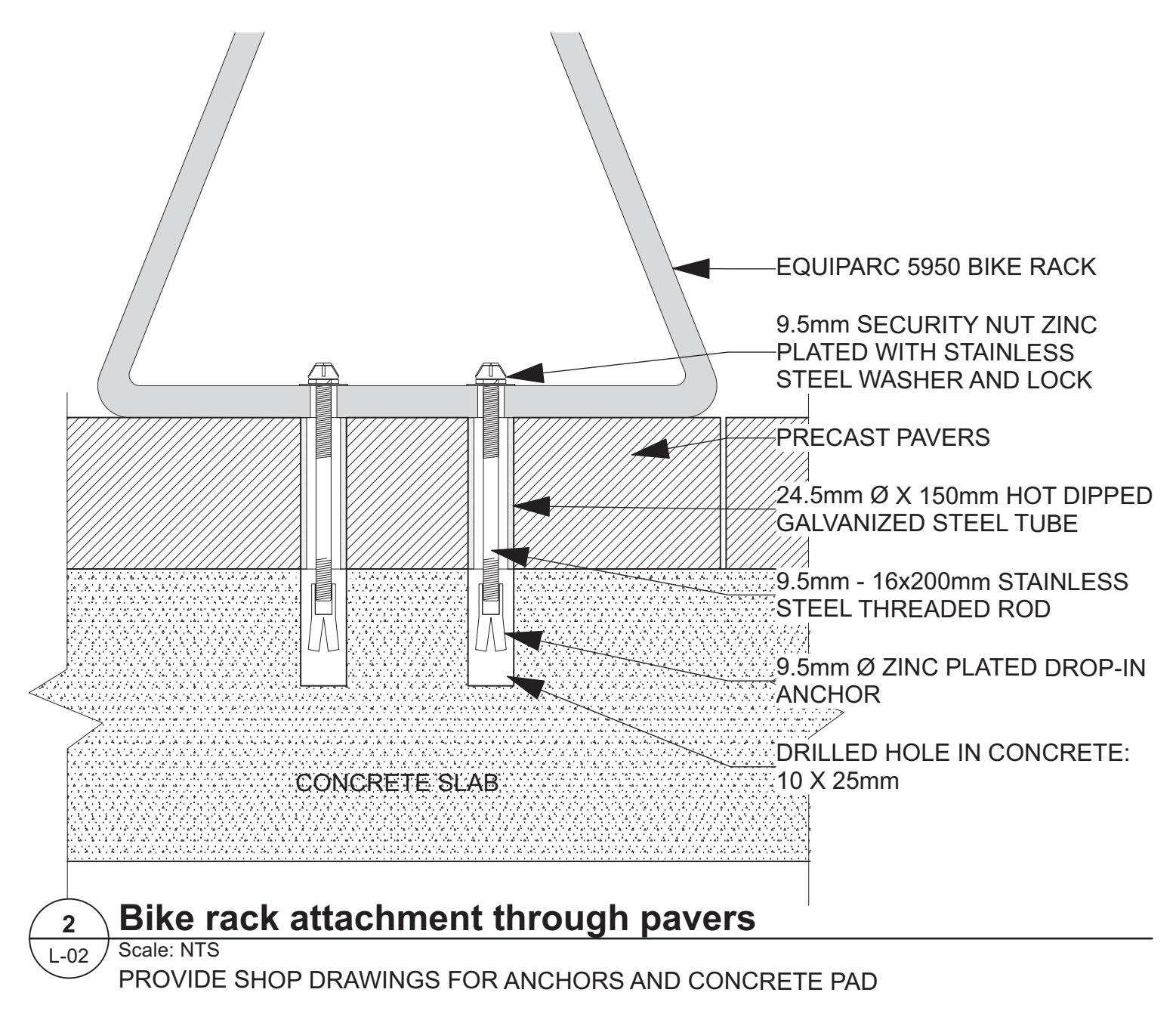
Lily Xu

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

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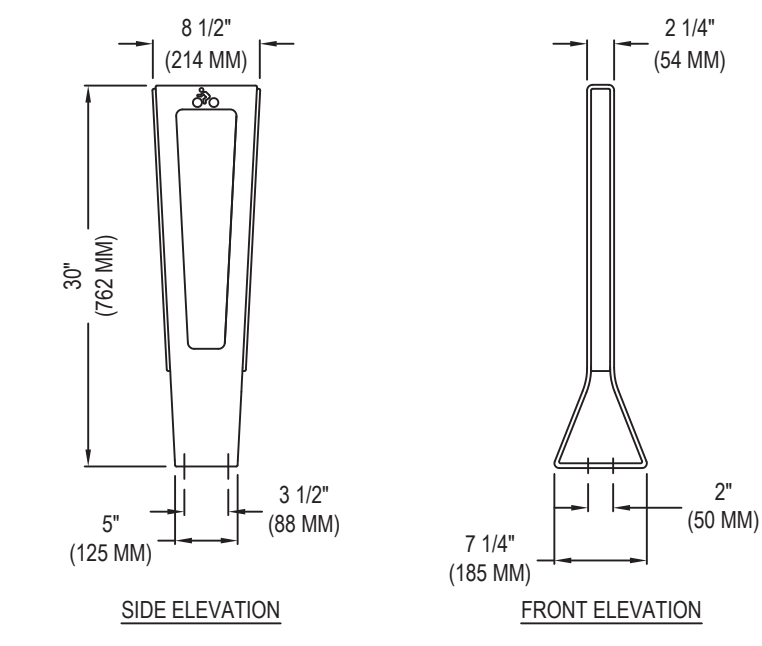


1 Bike Rack layout
Scale: 1:25



Equiparc

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TOLL FREE: 1-800-363-9264
PHONE: (450) 346-1882
FAX: (866) 346-2538
www.equiparc.com



SPECIFICATIONS:
FRAME MADE OF HOT DIPPED GALVANIZED STEEL, PAINTED HOT DIPPED GALVANIZED EXPANDED METAL LINER.
36 IMP. GAL. / 43 US GAL.
COVERING AVAILABLE IN WOOD ONLY
COVERINGS: WOOD, JATOPA, IPE AND WHITE OAK
WEIGHT: 240 LB

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 2896-065.

3 Bike Rack EP 5950
Scale: NTS

NUKK

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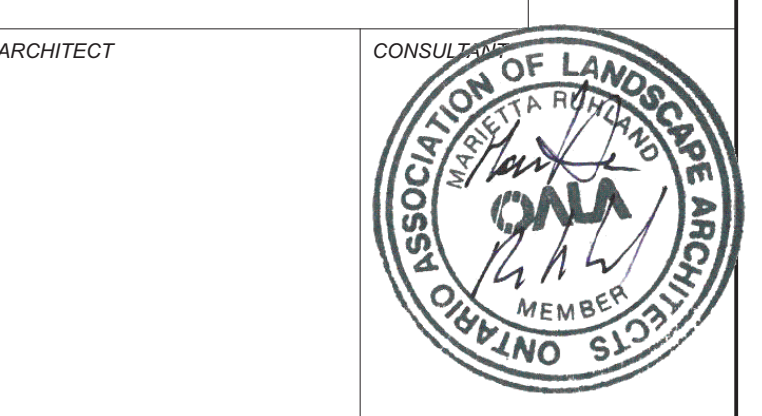
GRADIENTWIND ENGINEERS & SCIENTISTS

LRL ENGINEERING

25:6 ARCHITECTURE URBAN DESIGN

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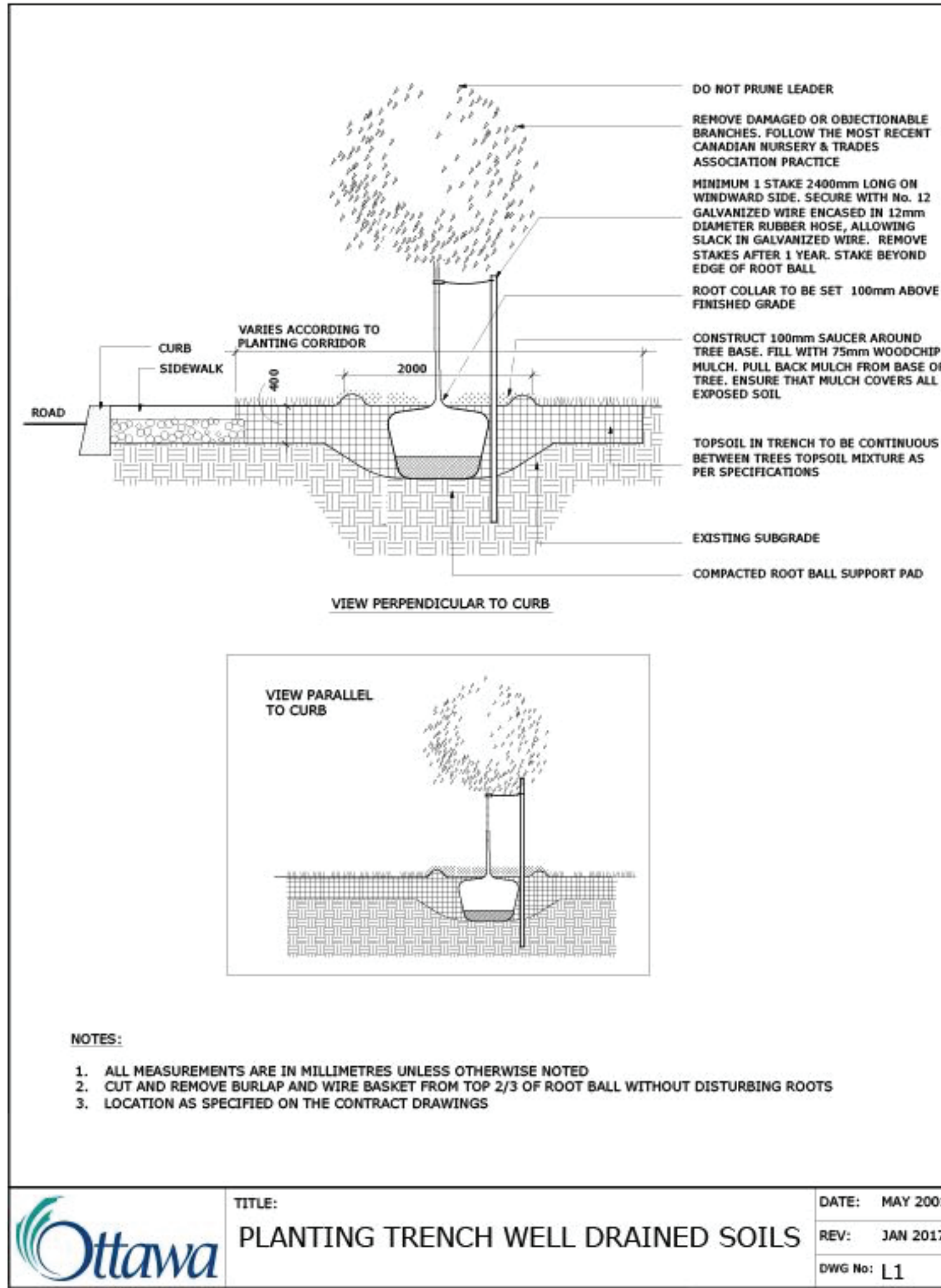
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1	Issued for SPC	2023/08/22	
NUMBER	MILESTONE / FAIT SALLANT	DATE: (Y/M/D)	INITIALS
DESIGNED BY / CONÇU PAR		CHECKED BY / VÉRIFIÉ PAR	
M. Ruhland		M. Ruhland	
DRAWN BY / DÉSSINÉ PAR		SCALE / ÉCHELLE	
T.Frost / V. Odusanya		AS SHOWN	



ARCHITECT
CONSULTANT

PROJECT / LOCATION
THE NUKK
652 FLAGSTAFF DRIVE,
OTTAWA ON.

DRAWING
LANDSCAPE PLAN
PROJECT NO.
23-1719
SHEET NO.
L-02



Ottawa	TITLE: PLANTING TRENCH WELL DRAINED SOILS	DATE: MAY 2001
	REV: JAN 2017	DWG No: L1

TREE SOIL VOLUME REQUIREMENTS:

STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE AVAILABLE, THE TOP 400-500mm LAYER IS USED TO CALCULATE SOIL VOLUMES.

WHERE EXISTING MATERIAL BELOW THE SPECIFIED TOPSOIL IS NOT CONDUCTIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN THE SOIL VOLUME DEPTH REQUIRED.

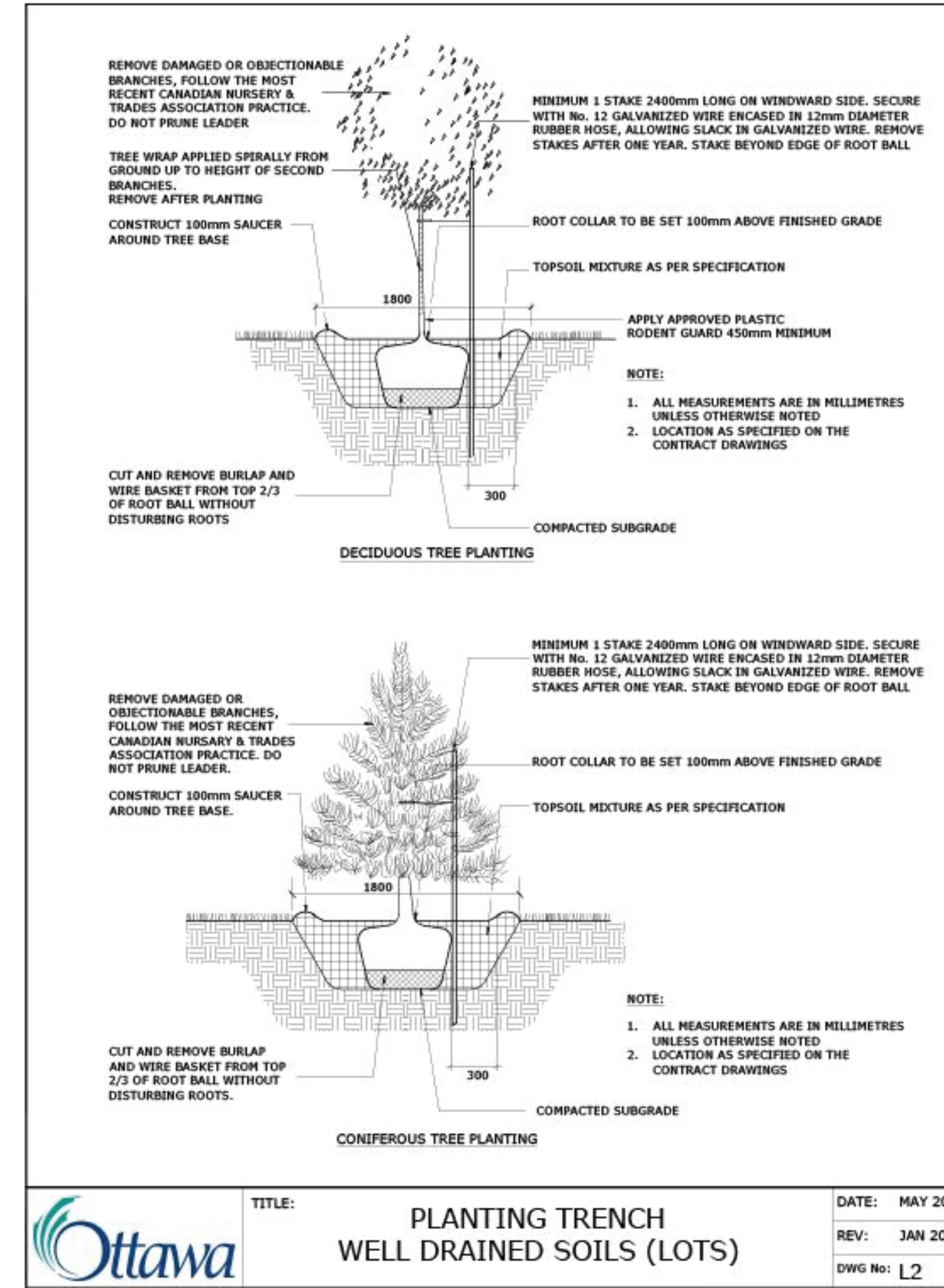
REFER TO SOIL VOLUME CHART AND PLANS FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.

TREE SOIL VOLUME REQUIREMENTS:

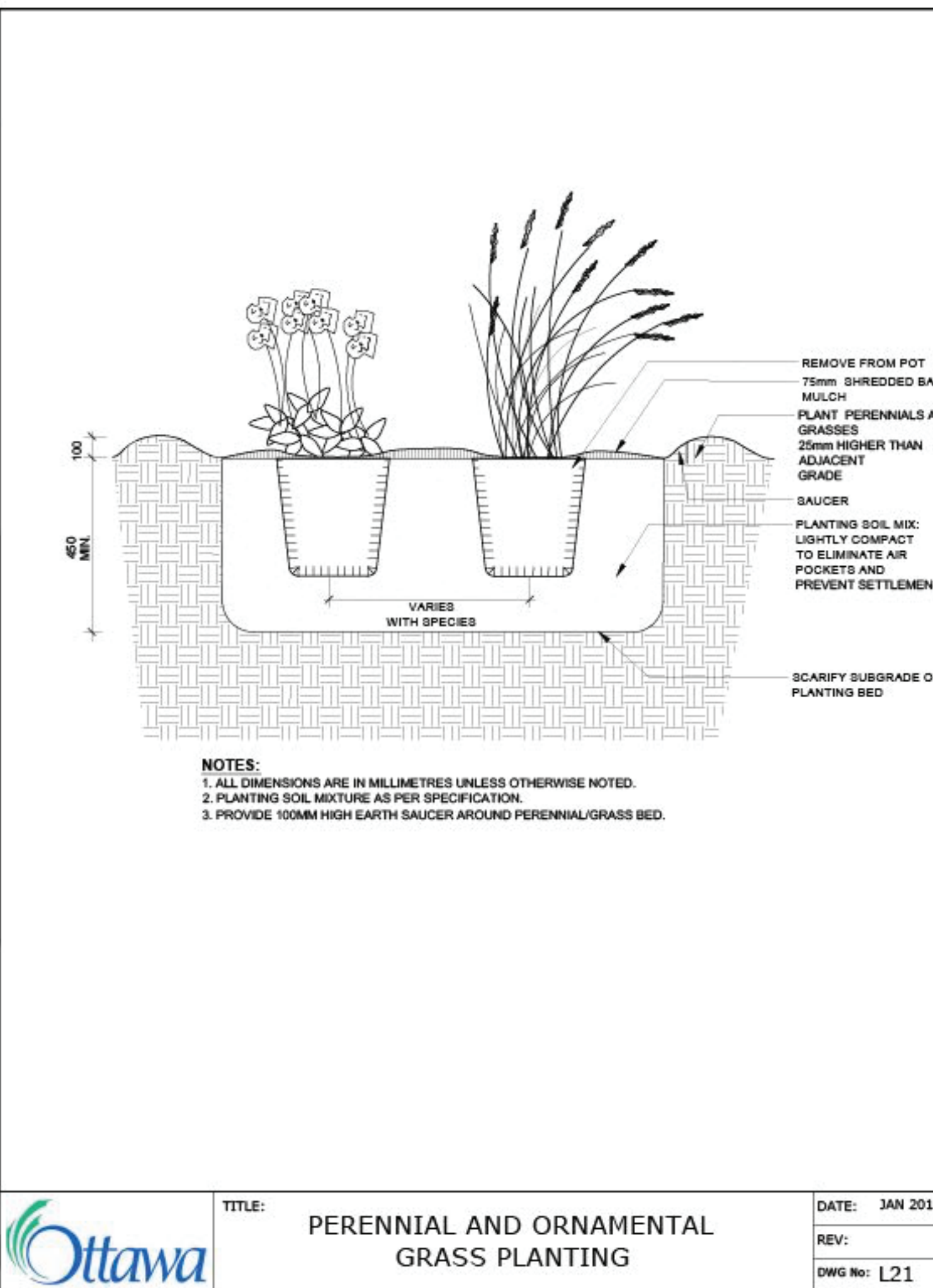
STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF IMPORTED AND EXISTING SOIL/SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE AVAILABLE WITH APPROVED EXISTING TOPSOIL AND SUBSOIL, IMPORTED TOPSOIL ONLY AS PER DETAIL L-2.

WHERE EXISTING MATERIAL BELOW THE SPECIFIED TOPSOIL IS NOT CONDUCTIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF 400mm PLANTING MEDIUM AND APPROVED SUBSOIL IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN THE SOIL VOLUME DEPTH REQUIRED.

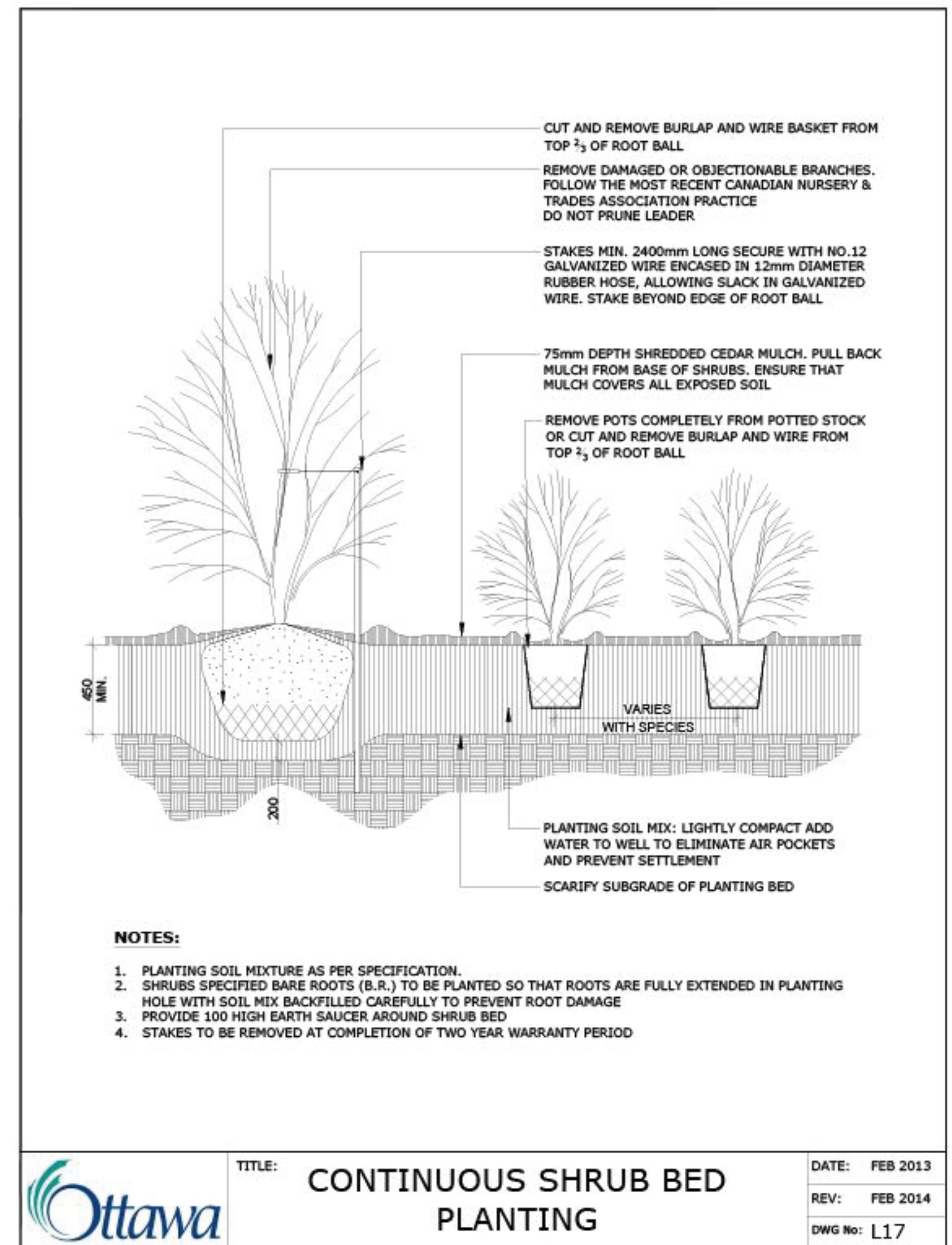
REFER TO SOIL VOLUME NOTES.



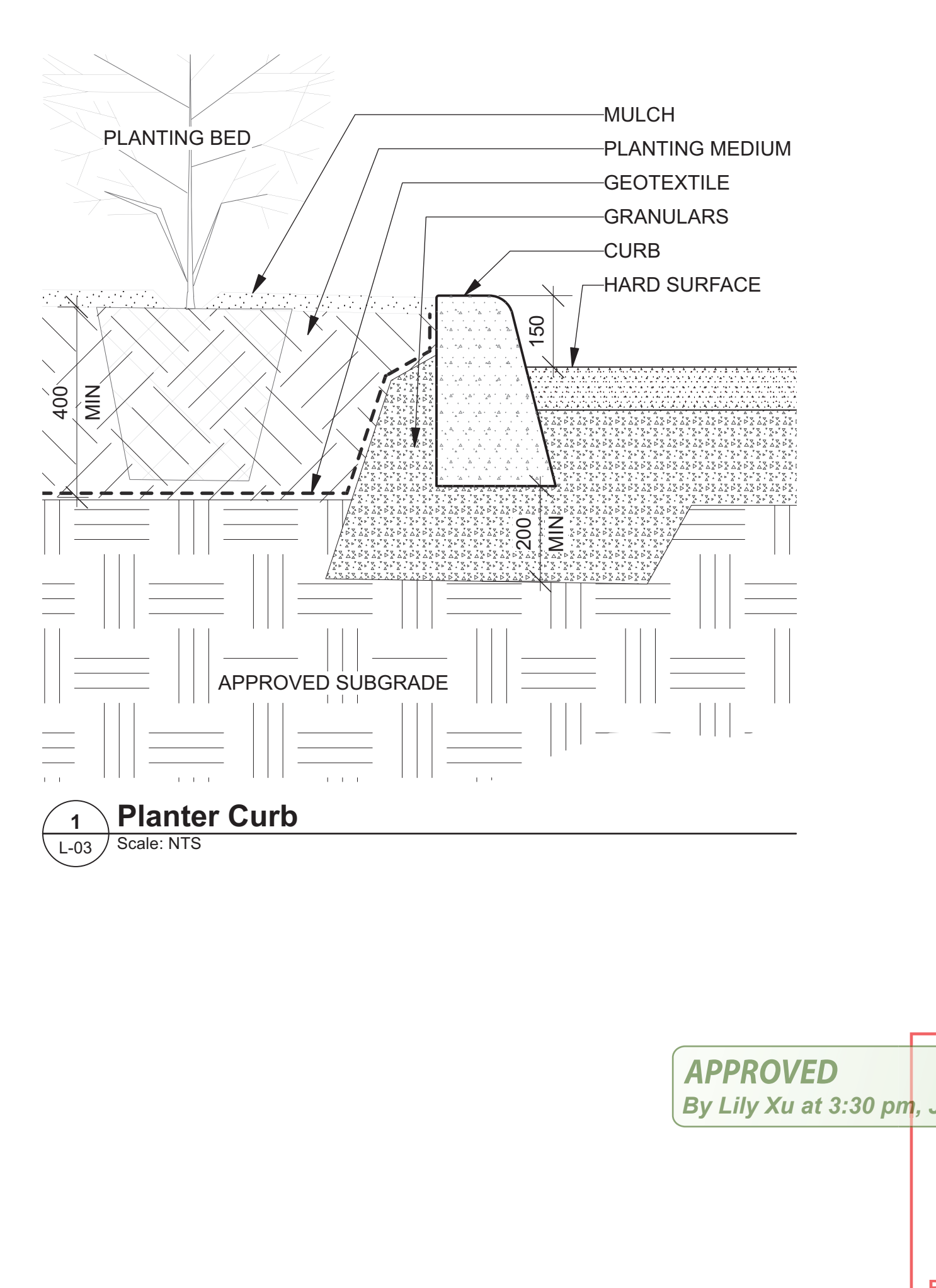
Ottawa	TITLE: PLANTING TRENCH WELL DRAINED SOILS (LOTS)	DATE: MAY 2001
	REV: JAN 2017	DWG No: L2



Ottawa	TITLE: PERENNIAL AND ORNAMENTAL GRASS PLANTING	DATE: JAN 2015
	REV:	DWG No: L21

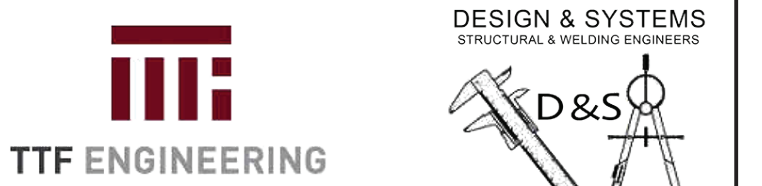


Ottawa	TITLE: CONTINUOUS SHRUB BED PLANTING	DATE: FEB 2013
	REV: FEB 2014	DWG No: L17



APPROVED
By Lily Xu at 3:30 pm, Jun 12, 2024

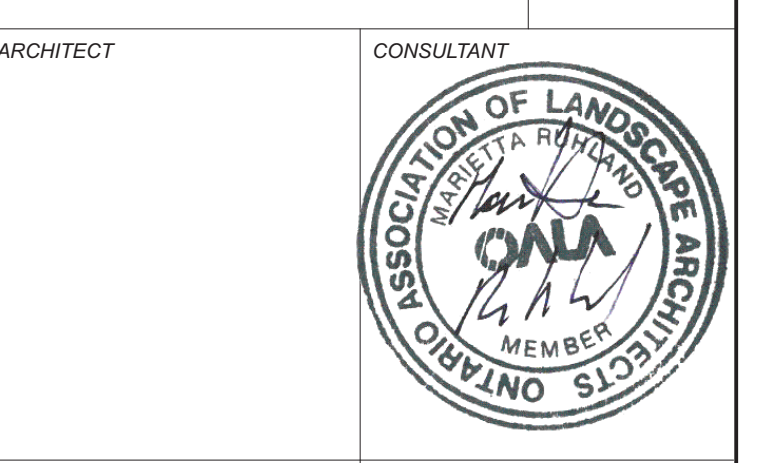
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DESIGNED BY / CONGR PAR M. Ruhland	CHECKED BY / VERIFIE PAR M. Ruhland
DRAWN BY / DESINE PAR T. Frost / V. Odusanya	SCALE / ECHELLE



PROJECT / LOCATION
THE NUKK
652 FLAGSTAFF DRIVE,
OTTAWA ON.

DETAILS

PROJECT NO. 23-1719	SHEET NO. L-03
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