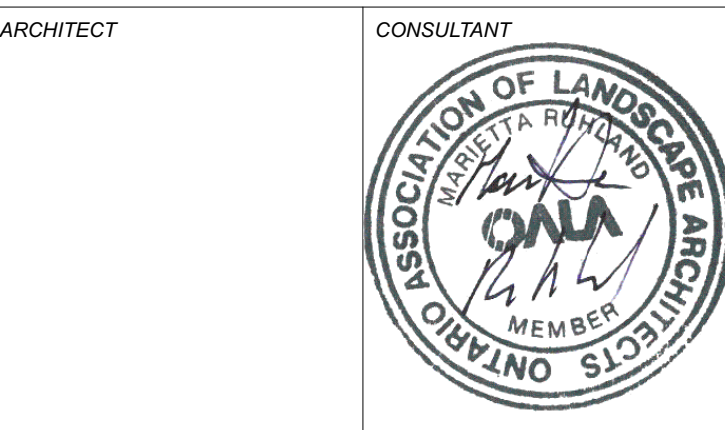
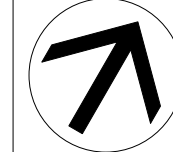


6			
5			
4	Re-issued for Site Plan Control	2024/11/29	
3	Re-issued for Site Plan Control	2023/12/13	
2	Re-issued for Site Plan Control	2023/11/01	
1	Issued for Site Plan Control	2023/07/18	
NUMBER	MILESTONE / FAT SAILANT	DATE: (Y/M/D)	INITIALS

DESIGNED BY / CONSULTANT	CHECKED BY / VERIFIED PWR
A. Ahmed / M. Ruhland	M. Ruhland
DRAWN BY / DESIGNER	SCALE: 1/8"=1'-0"
T. Frost / V. Odusanya	



CONSULTANT	CONSULTANT
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PROJECT / LOCATION
168 - 174 MURRAY STREET ADDITION

168 - 174 MURRAY STREET
OTTAWA, ONTARIO

DRAWING
LANDSCAPE / PLANTING PLAN

SHEET NO.

PROJECT NO.
L - 01

22-1682

NOTE:

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

THIS PLAN TO BE READ IN CONJUNCTION WITH TCR BY DENDRON FORESTRY SERVICES. EXISTING TREES TO BE PRESERVED AND PROTECTED AS PER TCR.

SERVICING INFORMATION SHOWN AS REFERENCE ONLY. REFER TO CIVIL DRAWINGS.

GENERAL NOTES

- 1 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.
- 2 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.
- 3 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.
- 4 Obtain approval of the Consultant(s) for granular base and layout of all pavement areas prior to construction.
- 5 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.
- 6 Where clay is encountered proper drainage must be ensured in trees/shrub pits, prior to planting. Have method approved by Landscape Architect.
- 7 Maintain positive surface runoff through the entire construction period.
- 8 Reinstall all areas and items damaged as a result of construction activities.

LEGEND

---	PROPERTY LINE
→	PROPOSED BIOSWALE
.....	PROPOSED RETAINING WALL
▨	PEASTONE MAINTENANCE EDGE
▤	C.I.P. CONCRETE PATH
▥	PRECAST CONCRETE PAVERS TYP.1
▦	PRECAST CONCRETE PAVERS TYP.2
▧	STEPPING STONE PATH
▨	PROPOSED SOD
▩	PROPOSED PERENNIALS

LEGEND

A	SOIL VOLUME AREA AND IDENTIFIER
○	TREE CANOPY AREA

TREE CANOPY COVERAGE

TOTAL CANOPY AREA	194.23
TOTAL SITE AREA	654 m2
PERCENT COVERAGE	30%

SOIL VOLUME CHART:

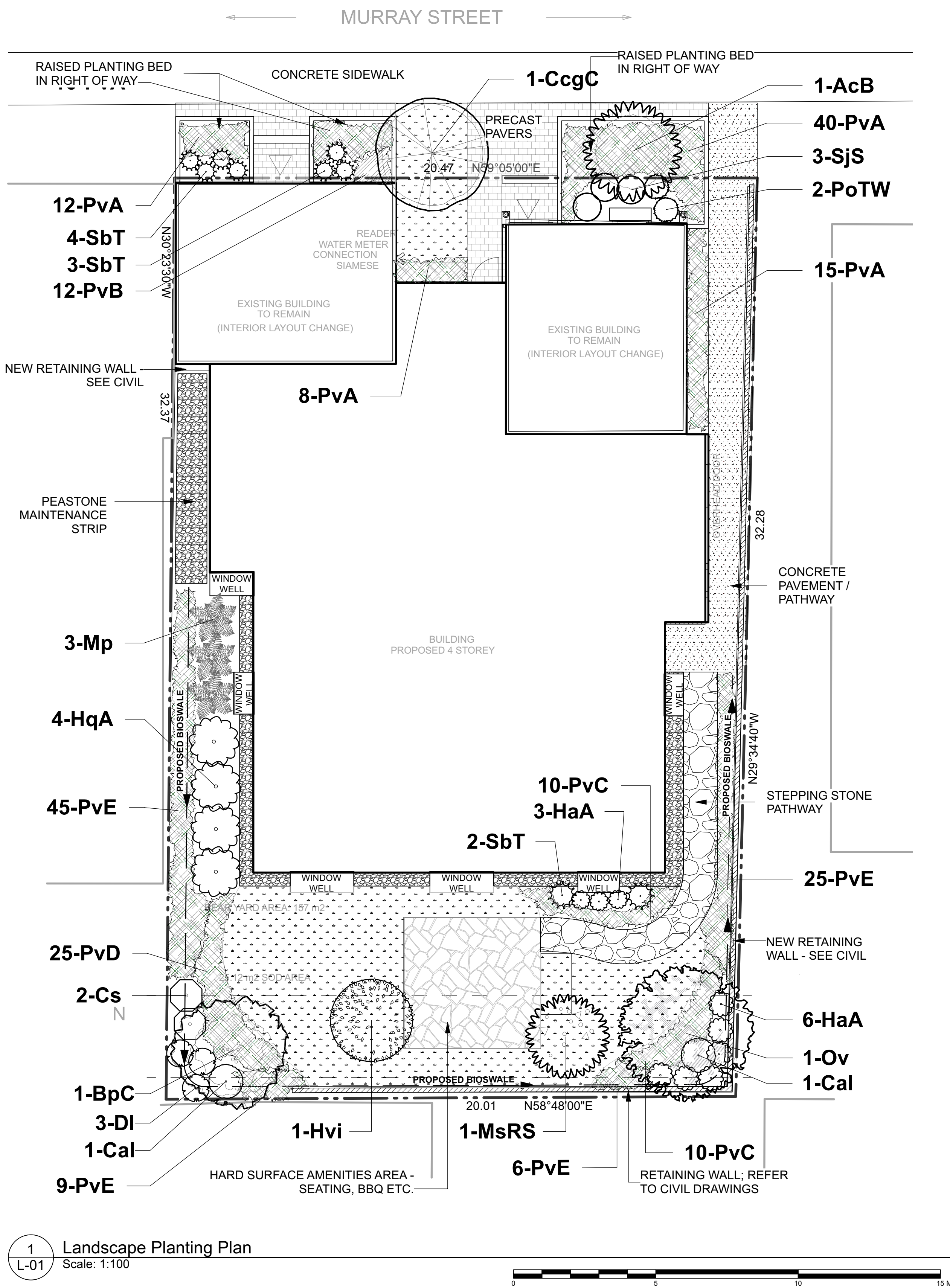
Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m ³)	Design Soil Volume	Soil Adequacy percentage
AREA A - 1 medium tree, 1 ornamental tree plant bed (31 sq m x 0.7 metre deep)	2	24.0	21.7	90.42%
AREA B - 1 medium tree, 1 ornamental tree plant bed (26.5 sq m x 0.9 metre deep)	2	24.0	23.9	99.38%
AREA C - 1 ornamental tree plant bed (11.2 sq m x 1.2 metre deep)	1	15.0	13.4	89.60%
AREA D - 1 ornamental tree plant bed (11 sq m x 1.2 metre deep)	1	15.0	13.2	88.00%

* 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					
Origin	ID	Qty	Botanical Name	Common Name	Sched. Size Remarks
TREES					
Niv H	AcB	1	Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry (tree form)	40mm caliper WB, Staked
Niv	BpC	1	Betula papyrifera	Paper Birch Clump	40mm caliper WB, Staked
Niv H	CcgC	1	Crataegus crus-galli inermis 'Cruzam'	Thornless Crusader Cockspur Hawthorn	45mm caliper WB, Staked
Non N	MsRS	1	Magnolia stellata 'Royal Star'	Royal Star Magnolia	45mm caliper WB, Staked
Niv	Ov	1	Ostrya virginiana	Ironwood	50mm Caliper WB, Staked
SHRUBS					
Niv	Cal	2	Clethra alnifolia	Summersweet Clethra	50cm ht
Niv	Cs	2	Cornus sericea (stolonifera)	Red Twigged Dogwood	50cm ht
Niv	DI	3	Diervilla lonicera	Dwarf Bush Honeysuckle	50cm ht.
Niv	Hvi	1	Hamamelis virginiana	Virginia Witch Hazel	50mm caliper WB, Staked
Niv H	HaA	9	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	2 gallon pot
Niv H	HqA	4	Hydrangea quercifolia 'Amethyst'	Amethyst Oakleaf Hydrangea	2 gallon pot 1.2m o.c.
Niv H	PoTW	2	Physocarpus opulifolius 'Tiny Wine'	Tiny Wine Ninebark	50cm ht.
Non N	SbT	9	Spiraea betulifolia 'Tor'	Tor Birchleaf Spirea	50cm ht
Non N	SJS	3	Spiraea japonica 'Shirobana'	Shirobana Spirea	3 gallon pot
PERENNIALS					
Niv	Mp	3	Matteuccia pennsylvanica	Ostrich Fern	2 gallon pot
Mix	PvA	85	Perennial varieties A	Flowering perennials sun/part shade for roadside	0.5m o.c
Mix	PvB	12	Perennial varieties B	Groundcovers for light foot-traffic	0.3m o.c
Mix	PvC	20	Perennial varieties C	Flowering perennials sun/part shade	0.6m o.c
Mix	PvD	25	Perennial varieties D	Flowering perennials shade/part shade	0.5m o.c
Mix	PvE	85	Perennial varieties E	Flowering perennials shade/part shade moist areas	0.45m o.c.

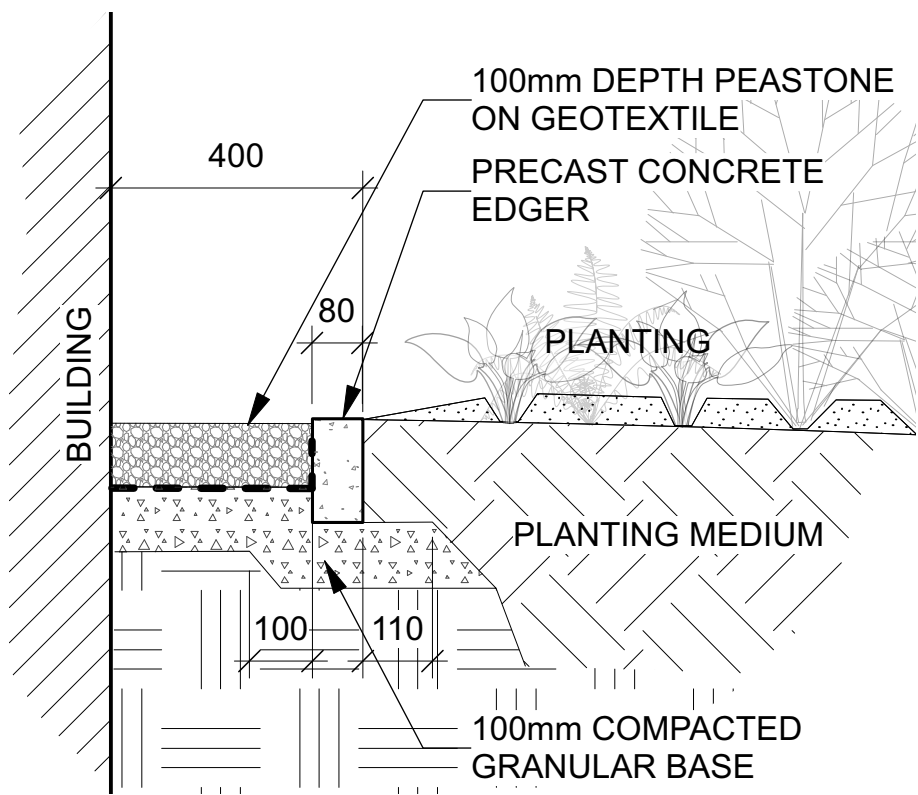
Plant origin:
Niv - Native
Niv H - Native species, horticultural variety
Mix - Mixed: minimum 50% native
Non N - Introduced, non-invasive species

Perennial varieties:
PvA - Purple Coneflower, Sea Thrift, Black-eyed Susan, Daylilies
PvB - Irish Moss, Barren Strawberry, Prairie Everlasting
PvC - Daylilies, Russian Sage, Purple Coneflower, White Blazing Star
PvD - Hosta varieties, Margaret Wilson Geranium, Wild Blue Phlox, Rodgersia, Ferns
PvE - Firecracker Yellow Loosestrife, Cardinal Flower, Rodgersia, Blue Flag Iris



1 Landscape Planting Plan
Scale: 1:100

0 5 10 15 M



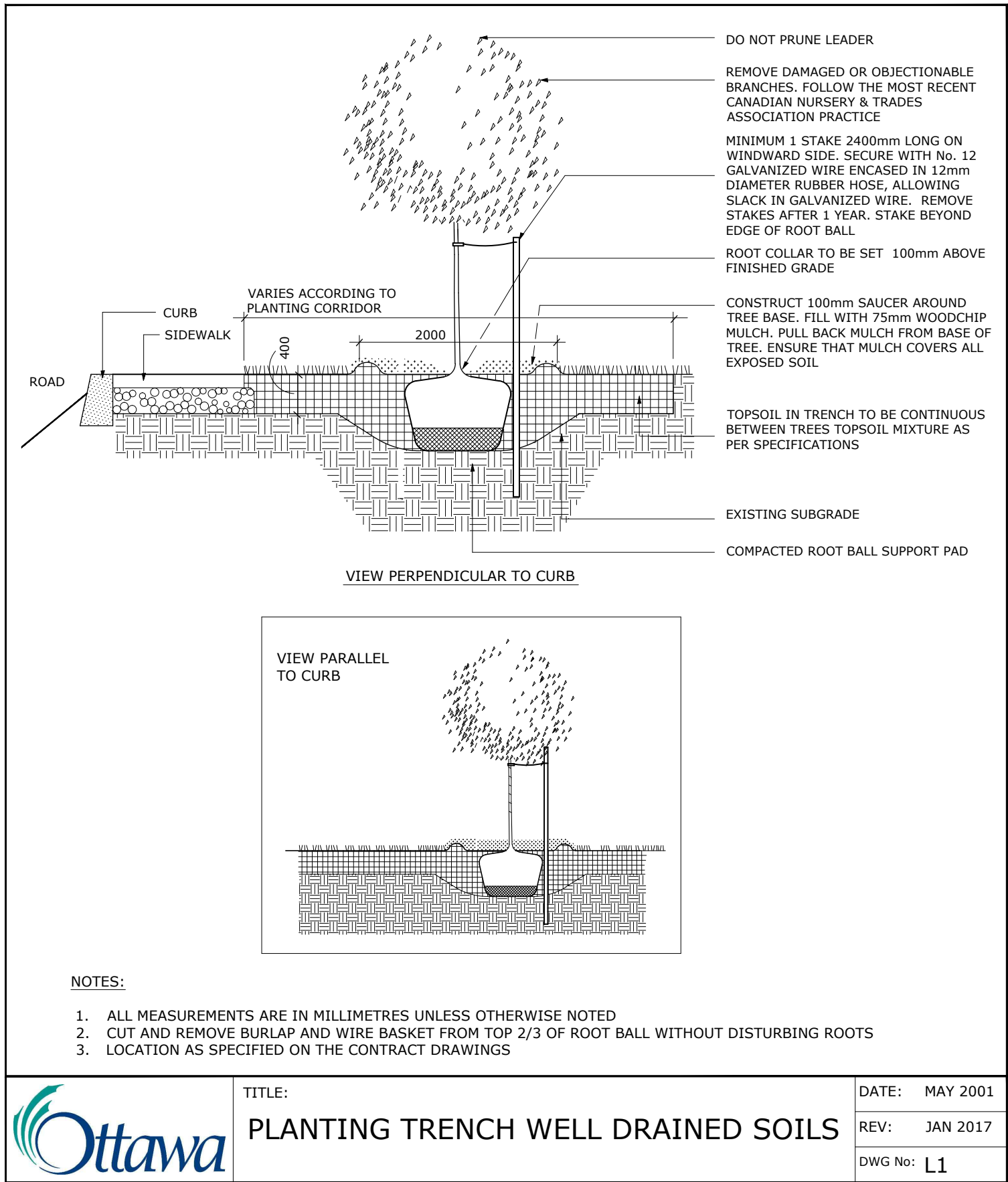
1 Peastone maintenance edge
L-02
Scale: NTS

NOTE - 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.

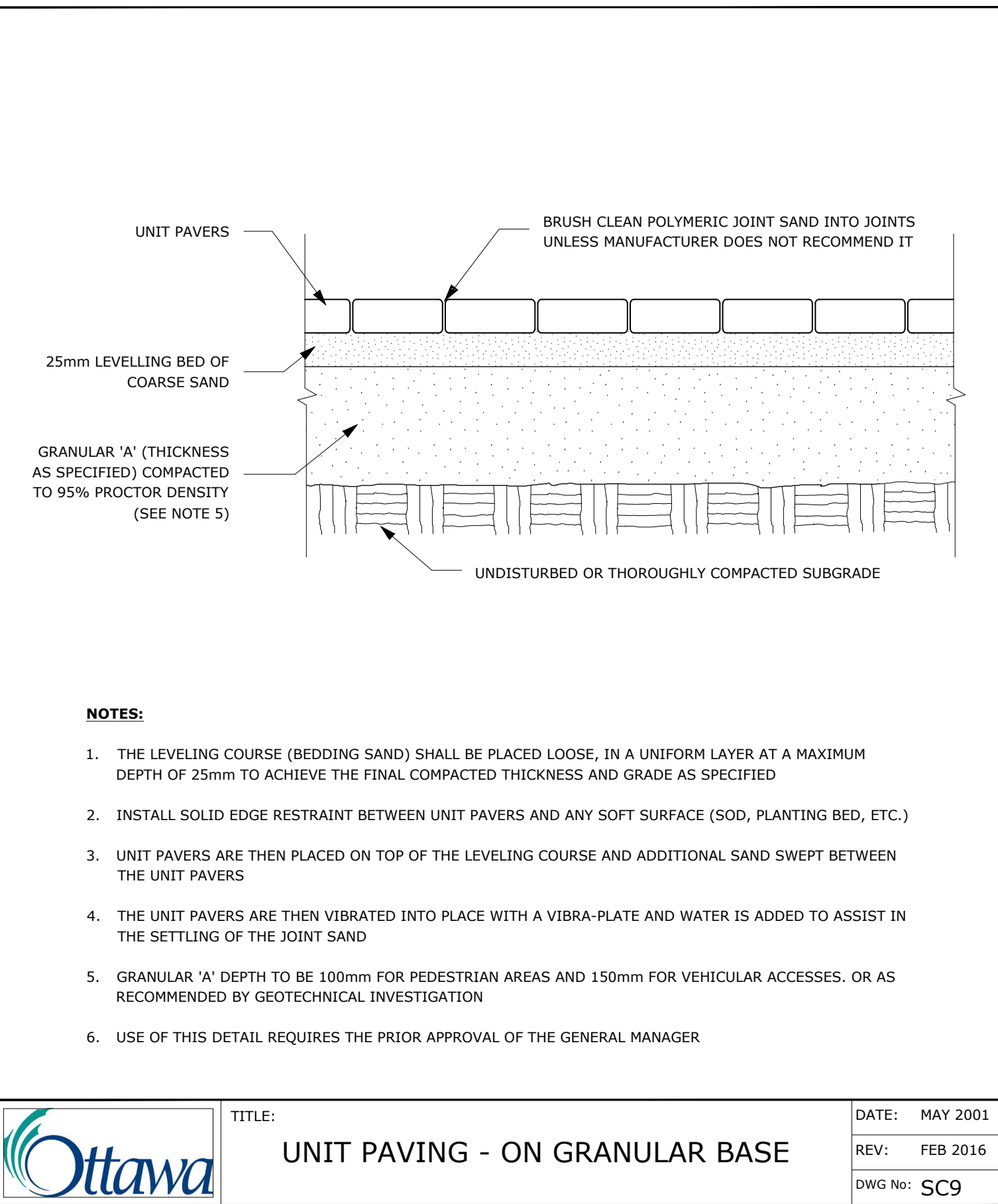
REFER TO SOIL VOLUME CHART AND PLANS
FOR AREA WHERE TREE SOIL VOLUMES ARE
REQUIRED.

ADDITIONAL NOTES FOR NUMBER 5: PRECAST PAVERS
IN PEDESTRIAN AREAS WHERE NORMAL SNOW
REMOVALS ARE DONE IS TO RECEIVE A MINIMUM
200mm GRANULAR 'A'. FURTHER ADJUSTMENTS TO BE
SPECIFIED IN RELATION TO SITE CONDITIONS AND
GEOTECHNICAL RECOMMENDATIONS.



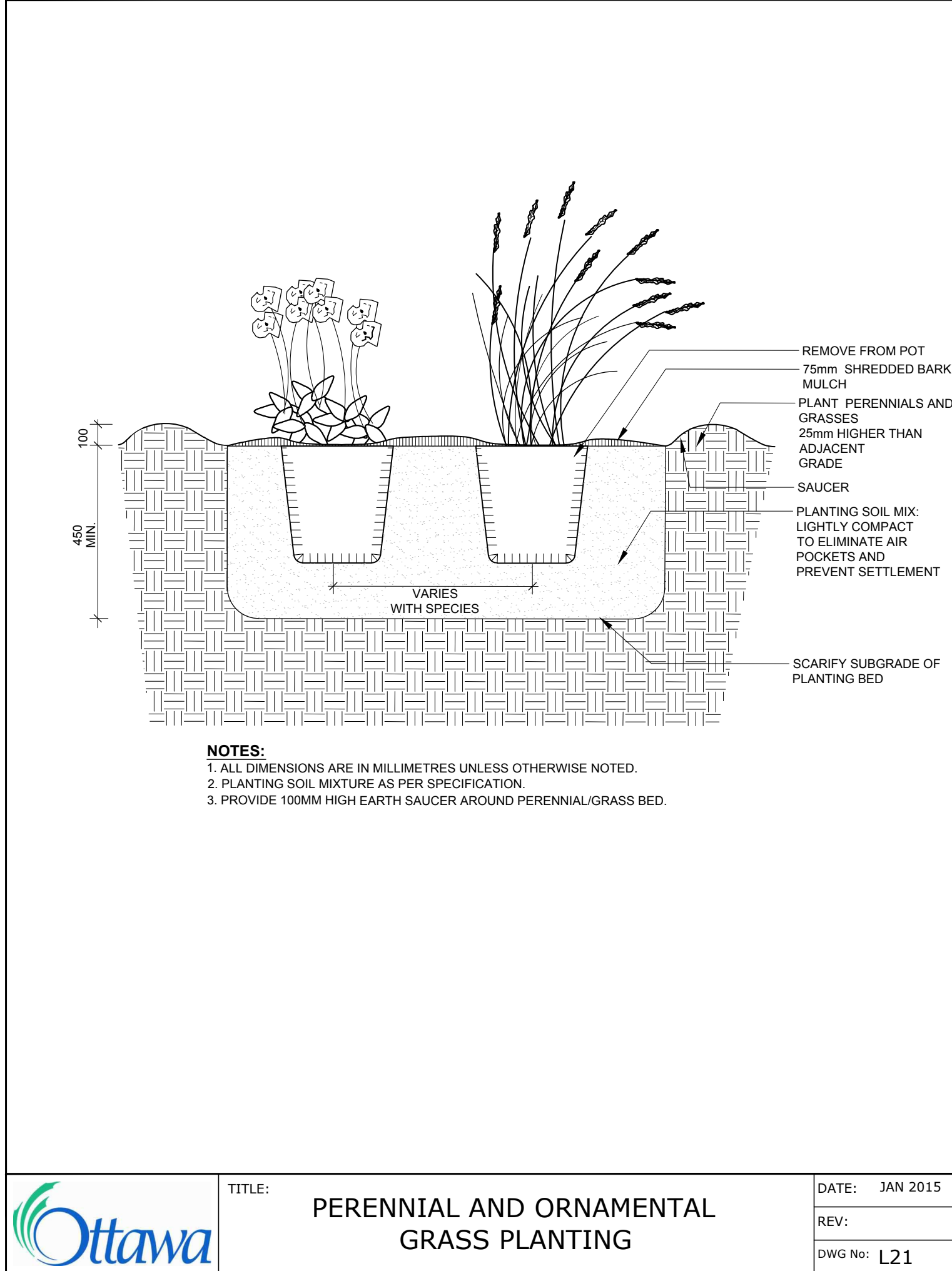
NOTE:
TREE SOIL VOLUME REQUIREMENTS:
- STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE AVAILABLE, THE TOP 400-500mm LAYER IS USED TO CALCULATE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

DATE: MAY 2001
REV: JAN 2017
DWG No: L1

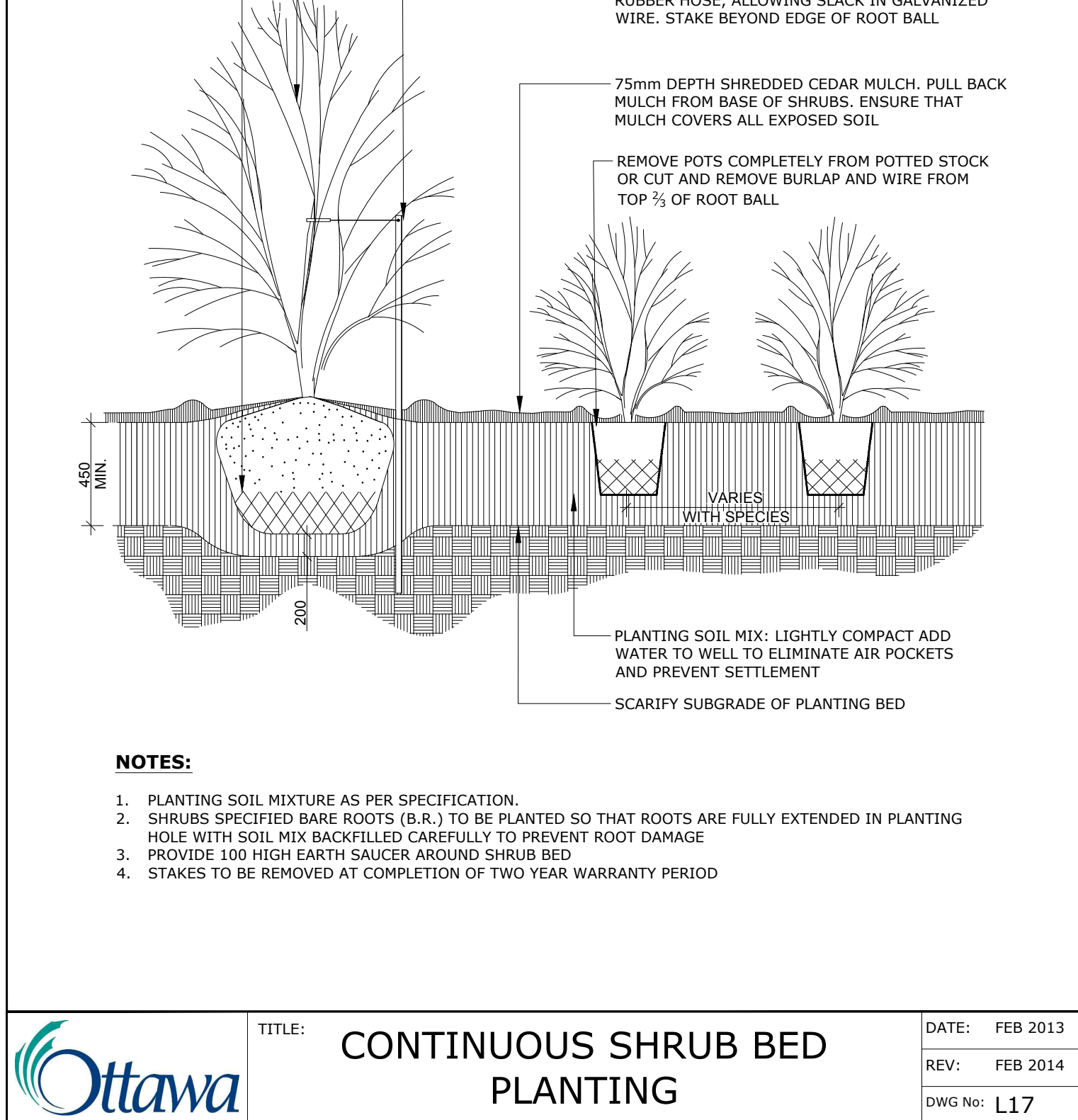


NOTE:
ADDITIONAL NOTES FOR NUMBER 5: 100mm DEPTH GRANULAR 'A' TO BE USED (AFTER APPROVAL) ONLY IN PEDESTRIAN WHERE NO SNOW REMOVAL IS PLANNED. ALL OTHER PEDESTRIAN AREAS ARE TO RECEIVE 150mm COMPACTED GRANULAR 'A' MINIMUM, VEHICULAR 200mm MINIMUM. FURTHER ADJUSTMENTS TO BE SPECIFIED IN RELATION TO SITE CONDITIONS AND GEOTECHNICAL RECOMMENDATIONS.

DATE: MAY 2001
REV: FEB 2016
DWG No: SC9

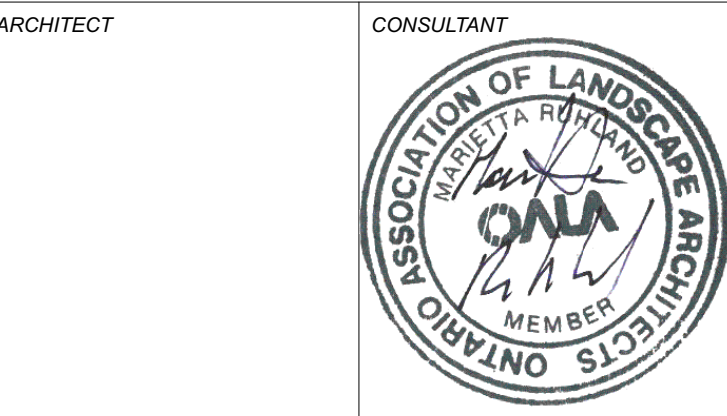


DATE: JAN 2015
REV:
DWG No: L21



DATE: FEB 2013
REV: FEB 2014
DWG No: L17

6			
5			
4	Re-issued for Site Plan Control	2024/11/29	
3	Re-issued for Site Plan Control	2023/12/13	
2	Re-issued for Site Plan Control	2023/11/01	
1	Issued for Site Plan Control	2023/07/18	
NUMBERS	MILESTONE / FAIT SAILLANT	DATE: (Y/M/D) (A.M/S)	INITIALS
DESIGNED BY / CONCEU PAR	CHECKED BY / VERIFIE PAR		
A. Ahmed / M. Ruhland	M. Ruhland		
DRAWN BY / DESINE PAR	SCALE: 1/8"=1'-0"		
T. Frost / V. Odusanya			



PROJECT / LOCATION
168 - 174 MURRAY STREET ADDITION
168 - 174 MURRAY STREET
OTTAWA, ONTARIO

DRAWING
DETAILS
SHEET NO.
L - 02
PROJECT NO.
22-1682