

LEGEND

- PROPERTY LINE
- RETAINED EXISTING BUILDING
- 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

Plant List					
Origin	ID	Qty	Botanical Name	Common Name	Sched. Size Remarks
LARGE TREES					
Ntv	Gd	1	Gymnocladus dioicus	Kentucky Coffee Tree	70mm caliper WB, Staked
MEDIUM TREES					
Ntv	Ov	1	Ostrya virginiana	Ironwood	50mm caliper WB, Staked
ORNAMENTAL TREES					
Ntv	Hvi	1	Hamamelis virginiana	Virginia Witch Hazel	50mm caliper WB, Staked
Non N	MsRS	1	Magnolia stellata 'Royal Star'	Royal Star Magnolia	45mm caliper WB, Staked
Non N	MHG	1	Malus x 'Harvest Gold'	Harvest Gold Crabapple	50mm caliper WB, Staked
SMALL ORNAMENTAL TREES*					
Ntv H	BnFV	1	Betula nigra 'Little King'	Fox Valley River Birch	150cm ht WB Staked
SHRUBS					
Ntv	Cal	2	Clethra alnifolia	Summersweet Clethra	50cm ht
Ntv	Cs	2	Cornus sericea (stolonifera)	Red Twiggged Dogwood	50cm ht
Ntv	DI	3	Diervilla lonicera	Dwarf Bush Honeysuckle	50cm ht.
Ntv H	HaA	9	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	2 gallon pot
Ntv H	HqA	4	Hydrangea quercifolia 'Amethyst'	Amethyst Oakleaf Hydrangea	2 gallon pot 1.2m o.c.
Ntv H	JvSR	3	Juniperus virginiana 'Skyrocket'	Skyrocket Juniper	150cm ht Potted
Ntv 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					
Ntv	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	13	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:
Ntv - Native
Ntv H - Native species, horticultural variety
Mix - Mixed: minimum 50% native
Non N - Introduced, non-invasive species

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

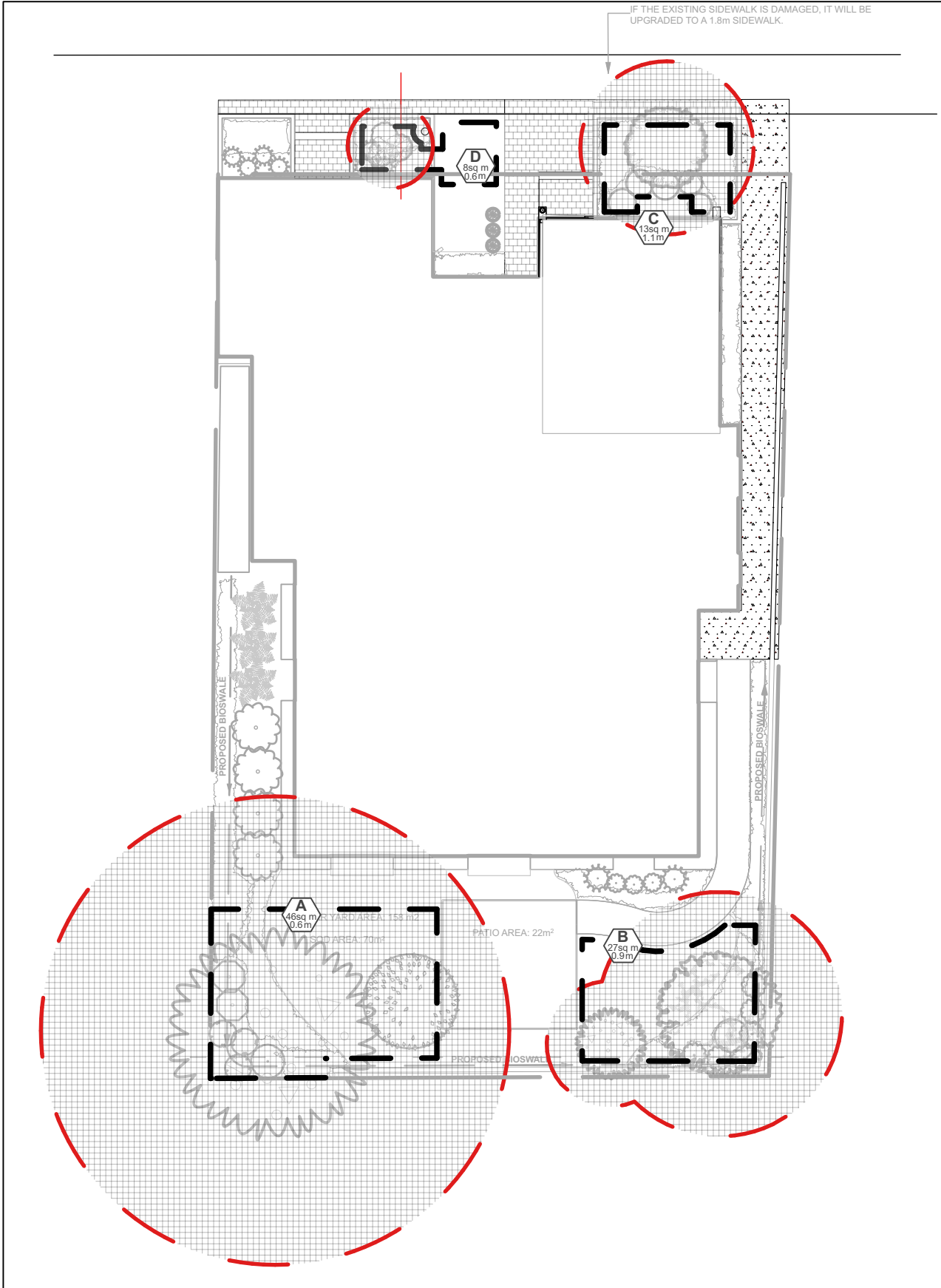
Note:
MHG and BnFV between building and Murray street are on City property and will be City owned.

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.



LEGEND

- SOIL VOLUME AREA AND IDENTIFIER
- MATURE TREE CANOPY AREA

TREE CANOPY COVERAGE	
TOTAL CANOPY AREA	326 m ²
TOTAL SITE AREA	654 m ²
PERCENT COVERAGE	50%

SOIL VOLUME CHART:

Soil Volume Area, Tree Quantity and Size	Tree Qty	OTTAWA Target Soil Volume (m ³)	Design Soil Volume (m ³)	Soil Adequacy %	Tree Ownership	Contractor soil volume provision
AREA A - 1 large tree, 1 ornamental tree						
plant bed (46 sq m x 0.6 ave metre deep)	2	27.0	27.6	102%	Private	See note
AREA B - 1 medium tree, 1 ornamental tree						
plant bed (26.5 sq m x 0.9 ave metre deep)	2	24.0	23.9	99%	Private	See note
AREA C - 1 ornamental tree						
plant bed (13 sq m x 1.1 ave metre deep)	1	15.0	14.3	95%	City	100%
AREA D - 1 small ornamental tree (8cm DBH)*						
plant bed (8 sq m x 0.6 ave metre deep)	1	5.0	4.8	96%	City	100%

* Smaller columnar trees, 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

NOTES:

PLANTING MEDIUM REQUIREMENTS FOR TREE PLANTING

- AREAS A & B**
 - ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE PROPERTY WITHIN 1.5m. THIS DOES NOT INCLUDE TOPSOIL REQUIRED FOR SODDING.
 - WHERE SUBSOIL BELOW THE INDICATED DEPTH OF PLANTING MEDIUM IS NOT CONDUCTIVE TO PLANT GROWTH, REPLACE WITH APPROVED SUBSOIL TO A DEPTH OF 300mm.
 - IN DISTURBED AREAS OR WHERE EXISTING SOILS ARE REMOVED OR NOT CONDUCTIVE TO PLANT GROWTH, PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME CHART).
 - BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCTIVE TO PLANT GROWTH.
- AREAS C & D:**
 - REPLACE ANY EXISTING MATERIALS, PROVIDING 100% PLANTING MEDIUM TO DEPTHS INDICATED IN SOIL VOLUME CHART.
 - WHERE SUBSOIL BELOW THE INDICATED DEPTH OF PLANTING MEDIUM IS NOT CONDUCTIVE TO PLANT GROWTH, REPLACE WITH APPROVED SUBSOIL TO A FURTHER DEPTH OF 300mm.
 - BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCTIVE TO PLANT GROWTH.

Ruhland & Associates Ltd

landscape architecture • urban design • site planning
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DEVELOPER:
OTTAWA CARLETON CONSTRUCTION GROUP LTD.
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1455 Youville Dr, Orleans, ON K1C 6Z7

SURVEYOR:
ANNIS, O'SULLIVAN, VOLLEBEKK LTD. - SURVEYOR
14 Concourse Gate Suite 500, Nepean, ON K2E 7S6

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 the Consultant(s) 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.

NUMBER/	REVISION	DATE
7	Re-issued for Site Plan Control	2025-07-24
6	Re-issued for Site Plan Control	2025-06-23
5	Re-issued for Site Plan Control	2025-04-08
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
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ARCHITECT

CONSULTANT



CONSULTANT

CONSULTANT

PROJECT / LOCATION

168 - 174 MURRAY ST ADDITION

168 - 174 MURRAY STREET
OTTAWA, ONTARIO
LOT 23, REGISTERED PLAN 42482, CITY OF OTTAWA

DRAWING

LANDSCAPE / PLANTING PLAN

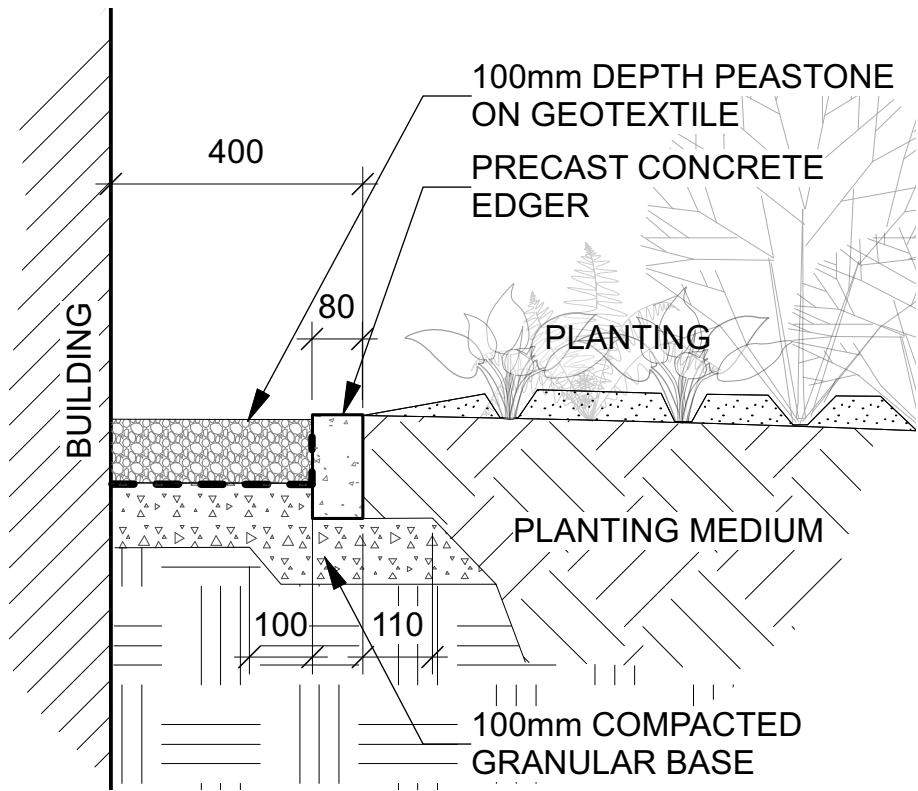
SHEET NO.

PROJECT NO.

22-1682

L-01

107-12-24-0175



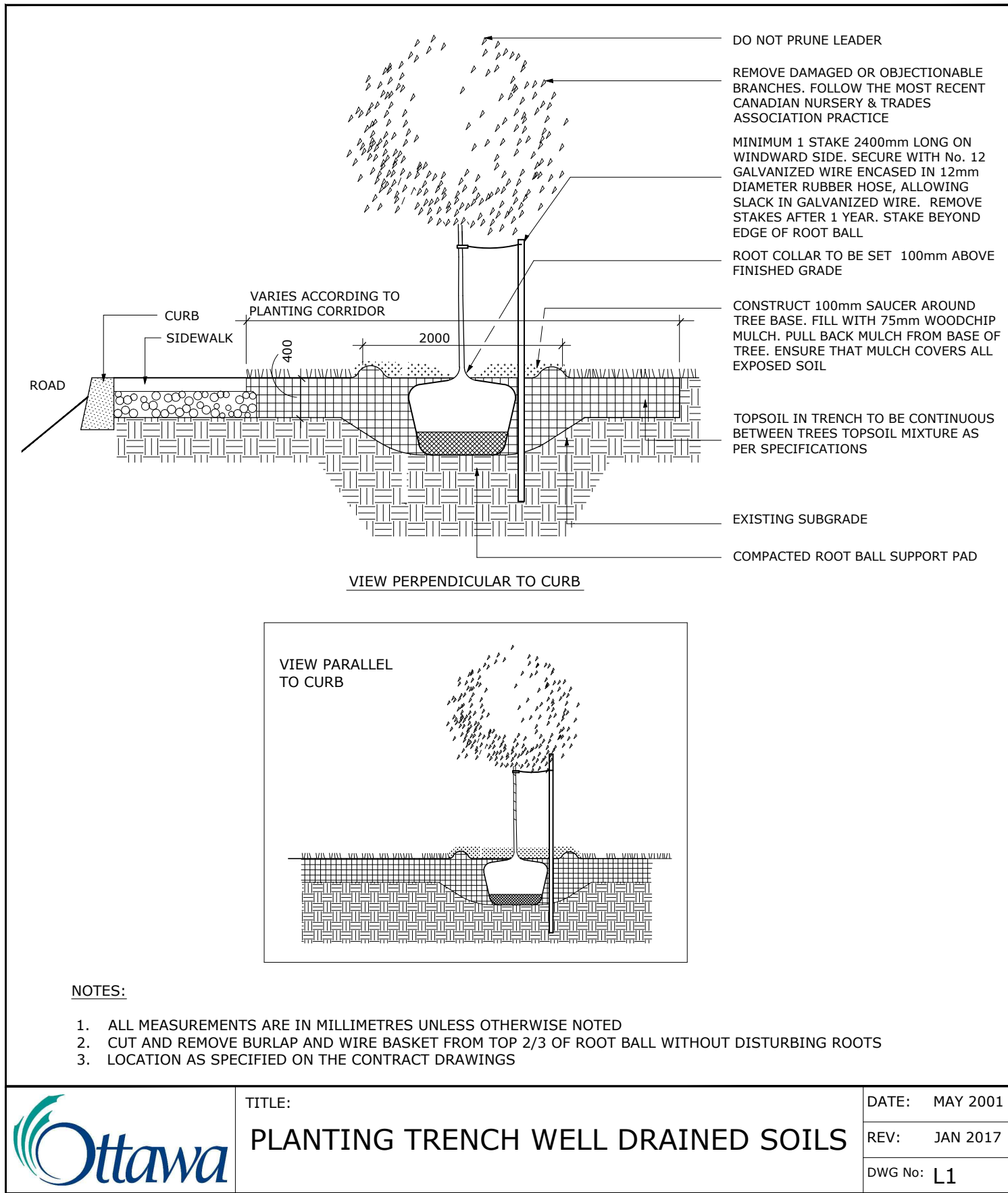
1 Peastone maintenance edge
Scale: NTS

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.

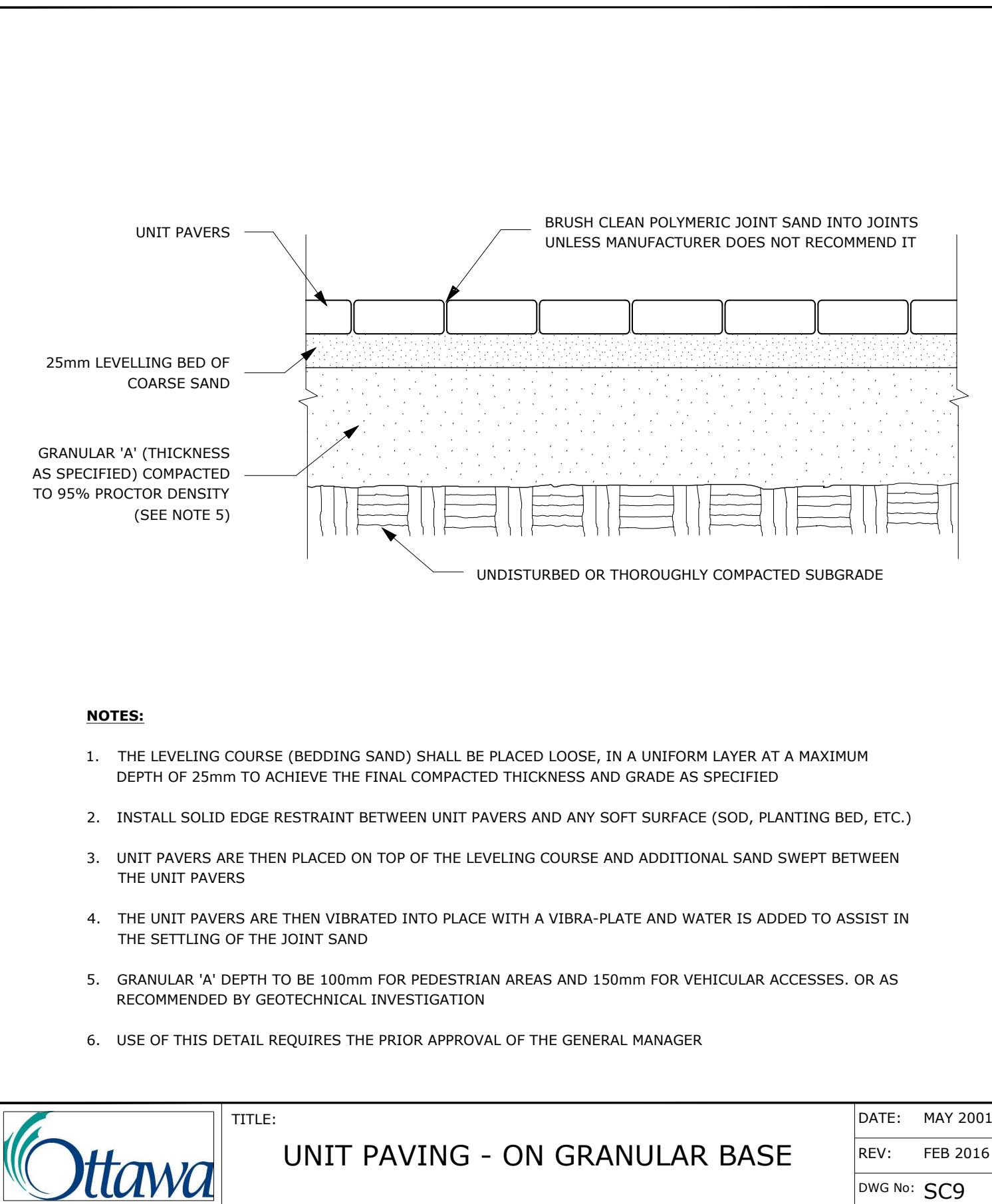
REFER TO SOIL VOLUME CHART AND PLANS FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.

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.



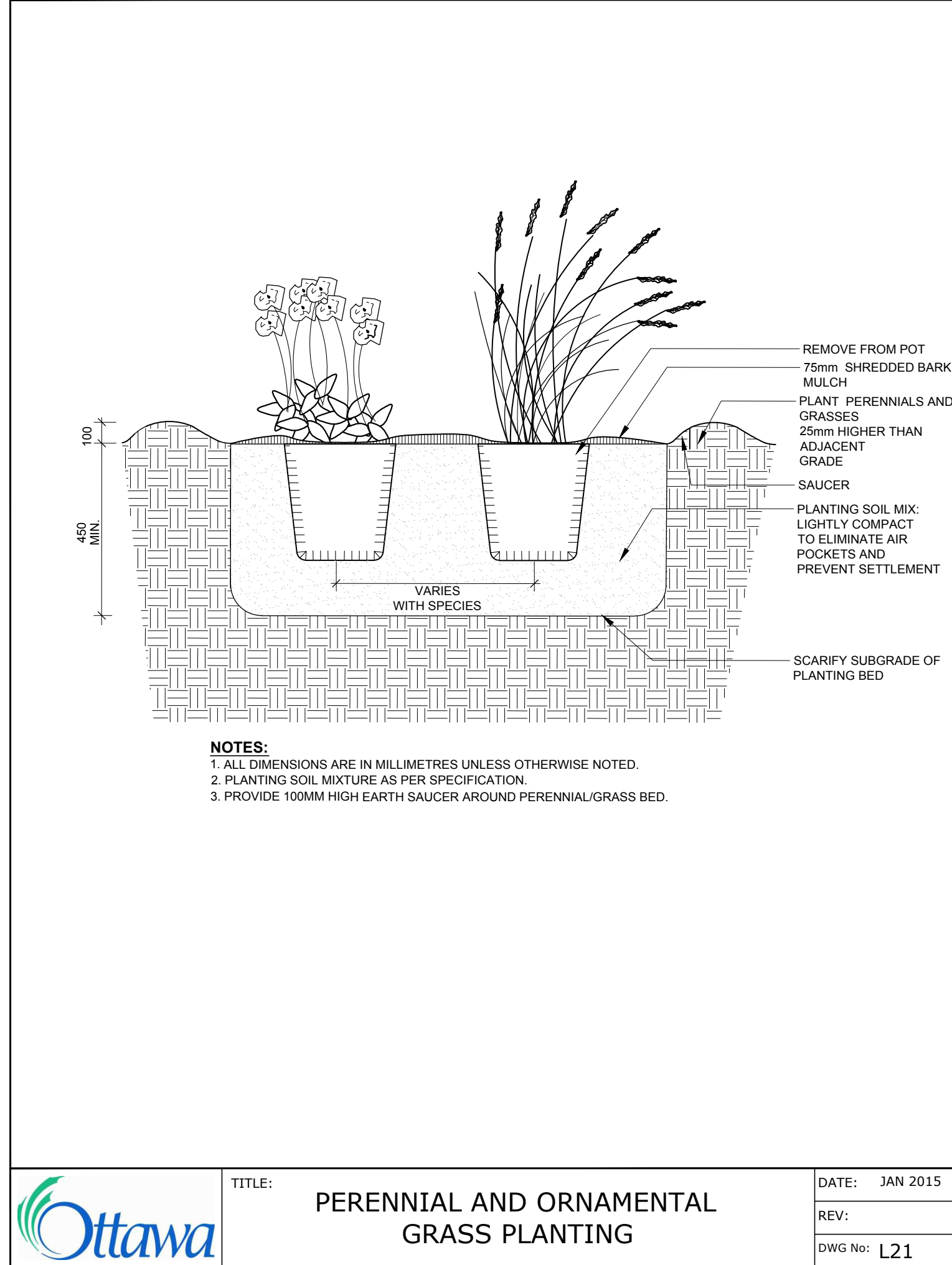
Ottawa TITLE: PLANTING TRENCH WELL DRAINED SOILS DATE: MAY 2001 REV: JAN 2017 DWG No: L1

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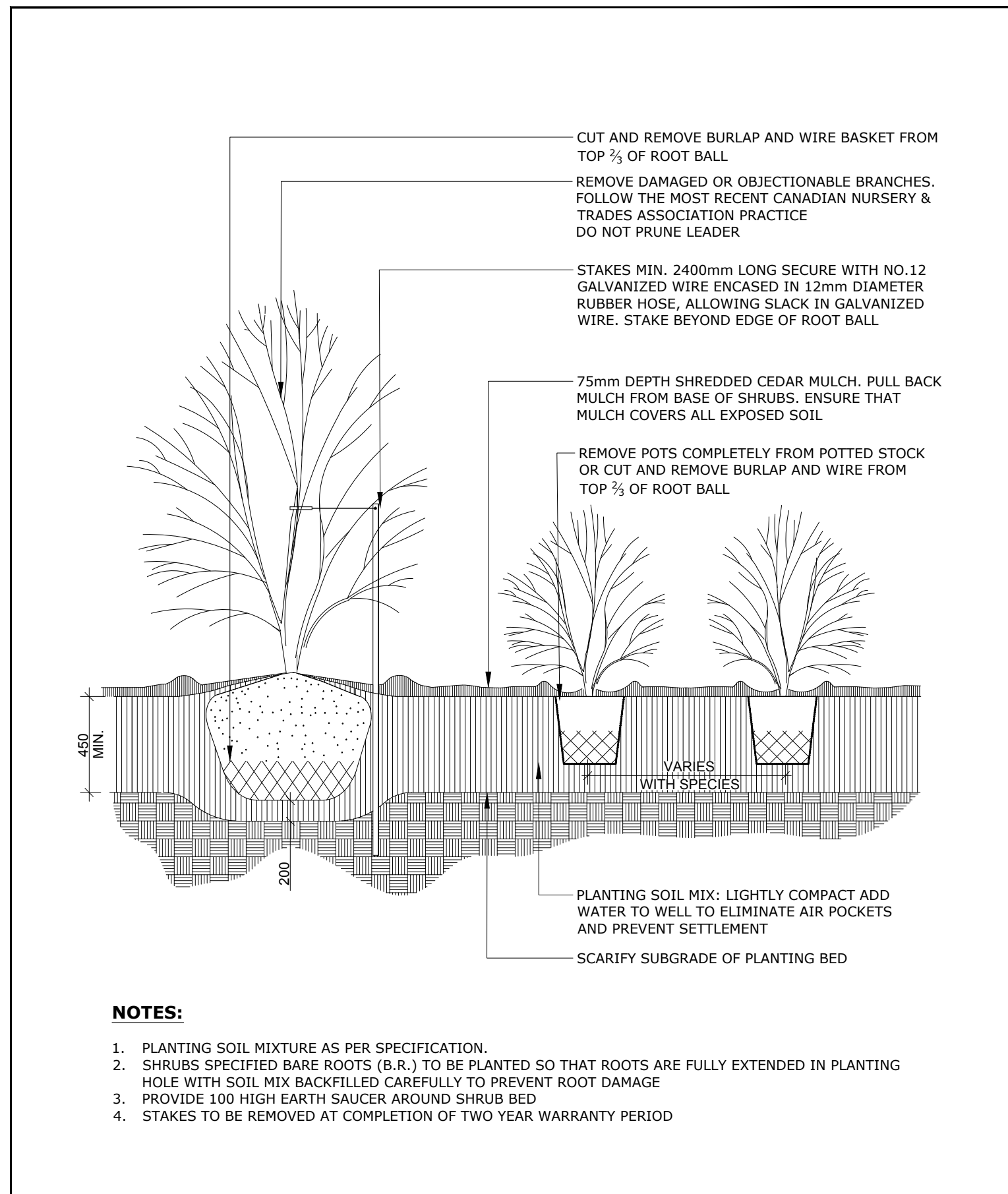


Ottawa TITLE: UNIT PAVING - ON GRANULAR BASE DATE: MAY 2001 REV: FEB 2016 DWG No: SC9

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.



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

DEVELOPER:
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SURVEYOR:
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14 Concourse Gate Suite 500, Nepean, ON K2E 7S6

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NUMBER/NUMBER	MILESTONE / FAIT SAILLANT	DATE (Y/M/D) (A/M/J)	INT.
DESIGNED BY / CONCU PAR	CHECKED BY / VERIFIE PAR		
A. Ahmed / M. Ruhland	M. Ruhland		
DRAWN BY / DESINE PAR	SCALE / ECHELLE		
T. Frost / V. Odusanya			

ARCHITECT	CONSULTANT

CONSULTANT	CONSULTANT

PROJECT / LOCATION
168 - 174 MURRAY ST ADDITION
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OTTAWA, ONTARIO
LOT 23, REGISTERED PLAN 42482, CITY OF OTTAWA

DRAWING

DETAILS

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