

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

PLAN TO BE READ IN CONJUNCTION WITH TREE INFORMATION REPORT PREPARED BY IFS ASSOCIATES INC

THIS PLAN IS APPROVED BY THE CITY OF OTTAWA UNDER SECTION 41 OF THE PLANNING ACT THIS 24 DAY OF JUNE, 2022.

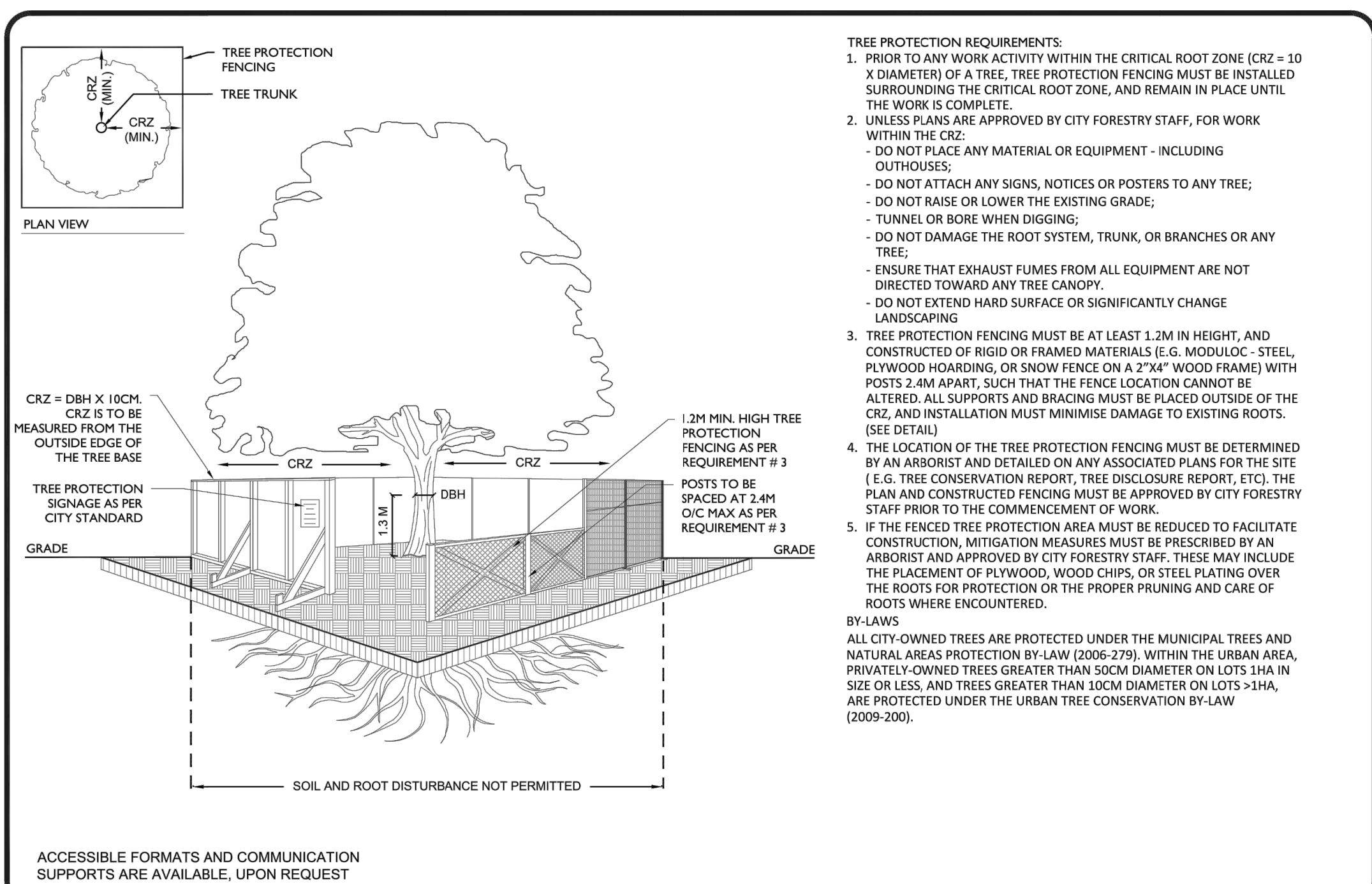
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LILY XU, MCIP, RPP, MANAGER
DEVELOPMENT REVIEW SOUTH
PLANNING, INFRASTRUCTURE AND ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

TREE SOIL VOLUME CALCULATIONS - 1291 Summerville Avenue

Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA TARGET SOIL VOLUME (m3)	Design Soil Volume	SOIL ADEQUACY percentage
AREA A - 1 Large Shrub in plant bed* Plant bed (6 sq m x 0.4 metre deep average)	1	2.0	2.4	120.00%
AREA B - 1 ornamental tree in plant bed plant bed (19.5 sq m x .8 metre deep ave)	1	15.0	15.6	104.00%
AREA C - 1 small tree in plant bed Plant bed (25 sq m x .8 metre deep ave)	1	20.0	20.0	100.00%
AREA A - 1 Large Shrub in plant bed* plant bed (7 sq m x .4 metre deep ave)	1	2.0	2.4	120.00%

* Large shrubs where soil volumes do not support trees



- TREE PROTECTION REQUIREMENTS:**
- PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10 X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
 - UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
 - DO NOT PLACE ANY MATERIAL OR EQUIPMENT - INCLUDING OUTHOUSES;
 - DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
 - DO NOT RAISE OR LOWER THE EXISTING GRADE;
 - TUNNEL OR BORE WHEN DIGGING;
 - DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OR ANY TREE;
 - ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY;
 - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING
 - TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC - STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2"x4" WOOD FRAME) WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMISE DAMAGE TO EXISTING ROOTS. (SEE DETAIL)
 - THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE DISCLOSURE REPORT, ETC). THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.
 - IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.
- BY-LAWS**
ALL CITY-OWNED TREES ARE PROTECTED UNDER THE MUNICIPAL TREES AND NATURAL AREAS PROTECTION BY-LAW (2006-279). WITHIN THE URBAN AREA, PRIVATELY-OWNED TREES GREATER THAN 50CM DIAMETER ON LOTS 1HA IN SIZE OR LESS, AND TREES GREATER THAN 10CM DIAMETER ON LOTS >1HA, ARE PROTECTED UNDER THE URBAN TREE CONSERVATION BY-LAW (2009-200).

Plant List					
ID	Qty	Botanical Name	Common Name	Scheduled Size	Remarks
Trees					
BnC	1	Betula nigra Clump	River Birch	50mm cal.	WB, Staked
Ms	1	Magnolia stellata	Star Magnolia	250cm ht.	BB Staked
Large Shrubs					
CaW	1	Caragana arborescens 'Walker'	Walker's Weeping Caragana	125cm stem	Potted
HpG	1	Hydrangea paniculata 'Grandiflora' standard	Peegee Hydrangea standard	125cm stem	Potted
Shrubs					
Sjs	25	Spirea japonica 'Shirobana'	Spirea Shirobana	100cm ht.	Potted
Perennials					
PvA	18	Low Flowering perennials		150mm Pot	50cm o.c.
PvB	35	Flowering perennials		150mm Pot	60cm o.c.
PvC	45	Ornamental Grasses		150mm Pot	60cm o.c.

CONTRACTOR TO REPORT ANY DISCREPANCIES FOUND BETWEEN PLAN & PLANT LIST PRIOR TO PLANTING

Perennial types (invasive species such as Miscanthus are not to be planted)

PvA: Low Flowering perennials up to 30cm ht (minimum 5 species mix): Cranesbill Geranium, Sweet Woodroffe, Low Meadow Sage, Coral Bells, Dianthus, Lung Wort, low Phlox.

PvB: Tall Flowering Perennials (minimum 5 species mix): Shasta Daisy, Coneflower, Veronica, Tall Meadow and Russian Sage, Tall Phlox, Rudbeckia

PvC: Ornamental Grasses (minimum 2 species mix): feather Reed Gras, Switch grass, Tufted Hairgrass

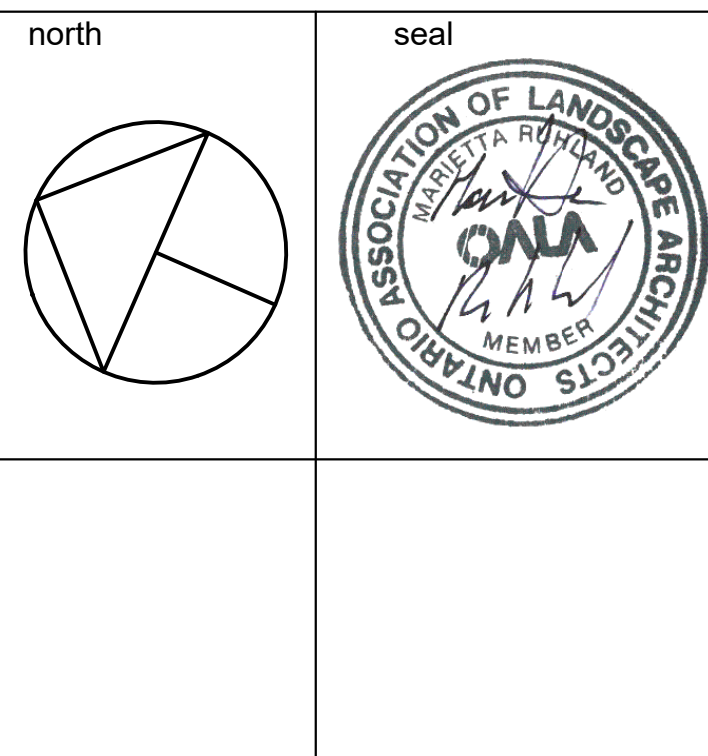
GENERAL NOTES

- 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.
- No other trees to be removed without prior approval by Landscape Architect.

3	Requested tree protection detail	Mar. 07/22
2	Requested fence detail	Jan. 19/22
1	City submission	Nov. 18/21
no.	issue / revision	date

Ruhland & Associates Ltd

200-1750 Courtwood Crescent, Ottawa, Ontario K2C 2B5
P (613) 224-4744 x 222 F (613) 224-1131 info@rala.ca www.rala.ca



project 1291 SUMMERVILLE

1291 Summerville
Avenue Ottawa, ON

drawing title

LANDSCAPE PLAN

scale 1:100	drawn by M. Malkov	designed by R. Ruhland
date October 2021	checked by R. Ruhland	plot date
project number 21-1662	drawing number L - 01	

Contractor to check and verify all dimensions on the job



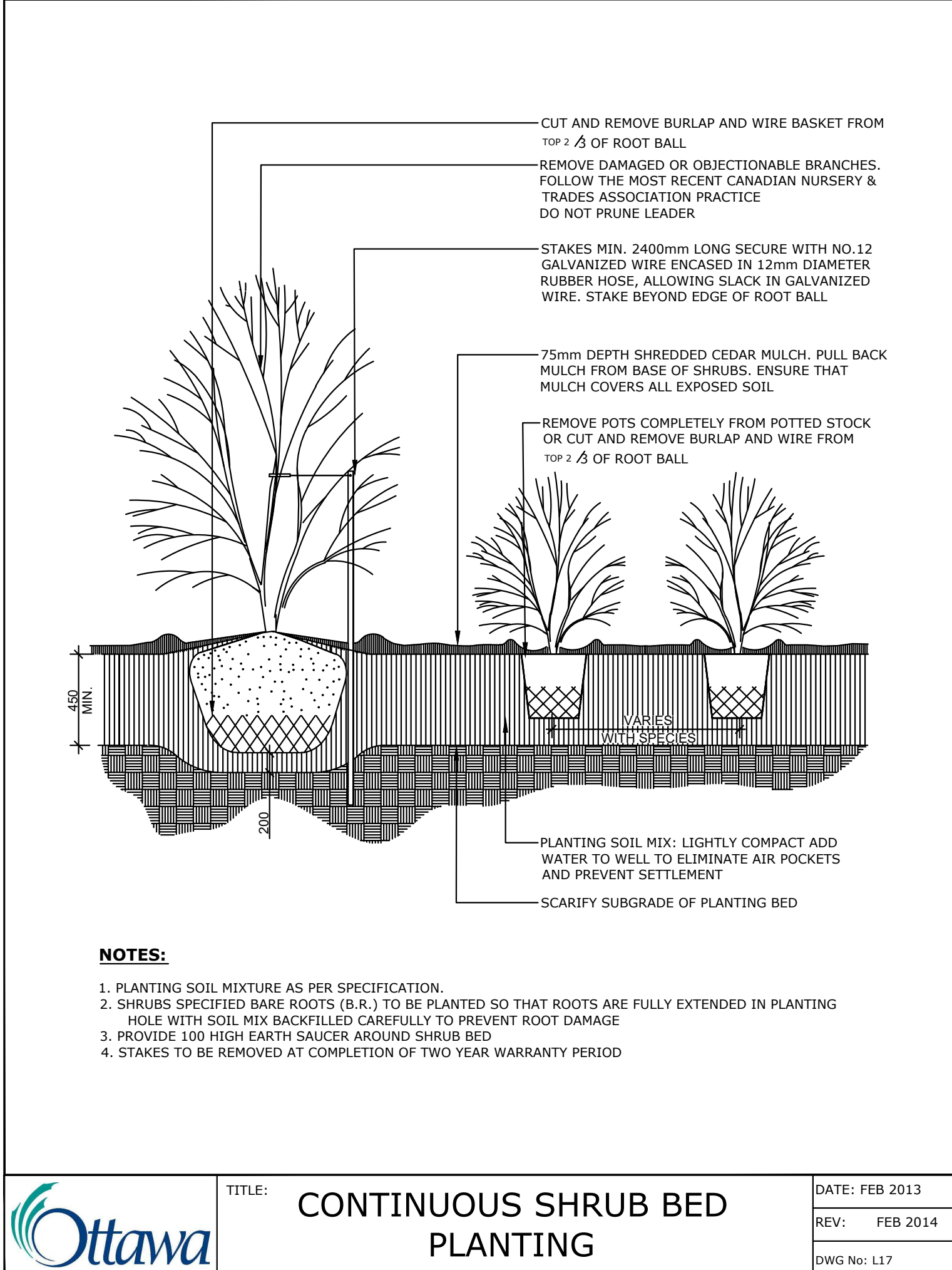
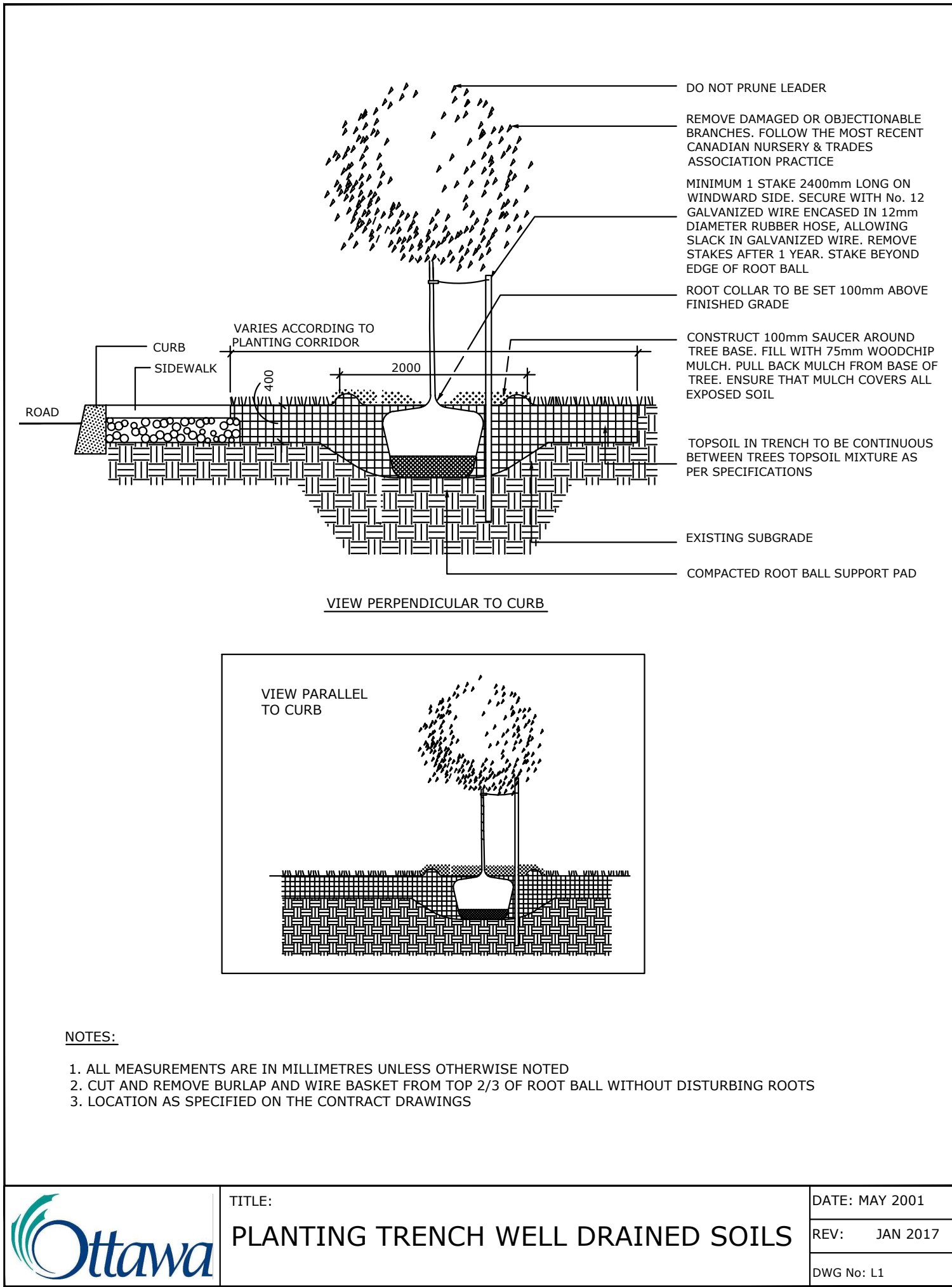
TREE PROTECTION SPECIFICATION

TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.

SCALE:	NTS
DATE:	MAY 2019
DRAWING NO.:	1 of 1

TREE SOIL VOLUME REQUIREMENTS:

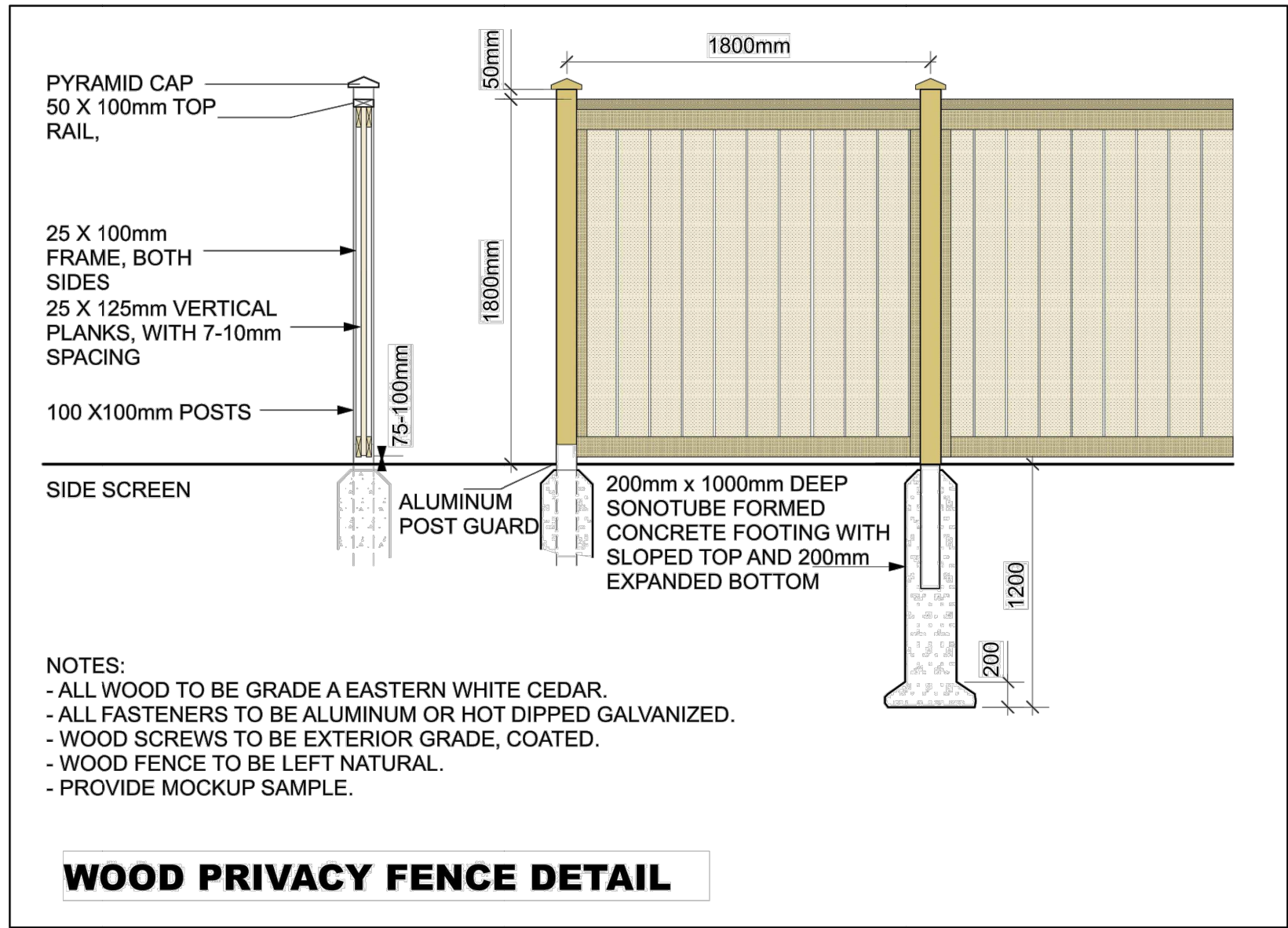
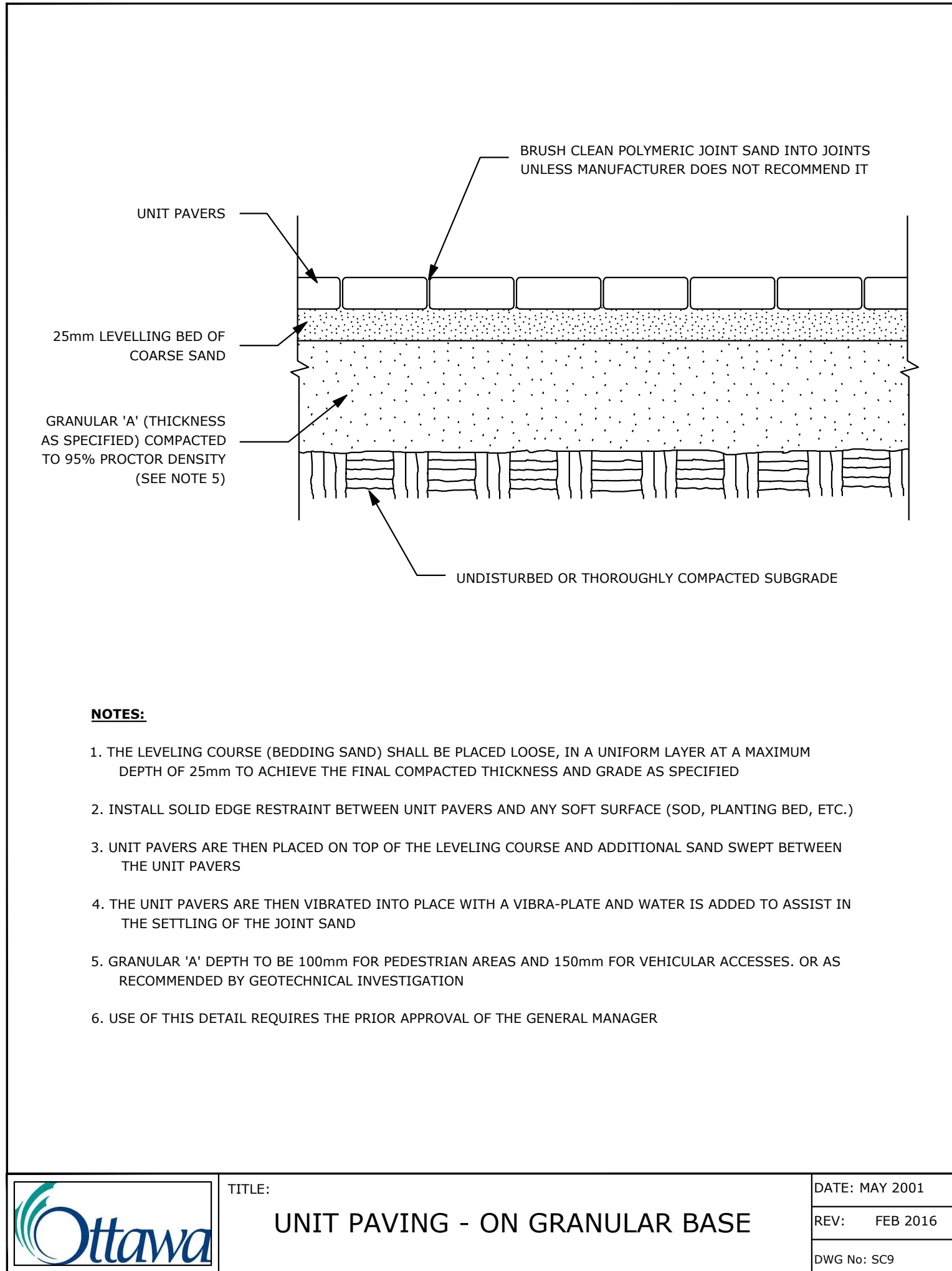
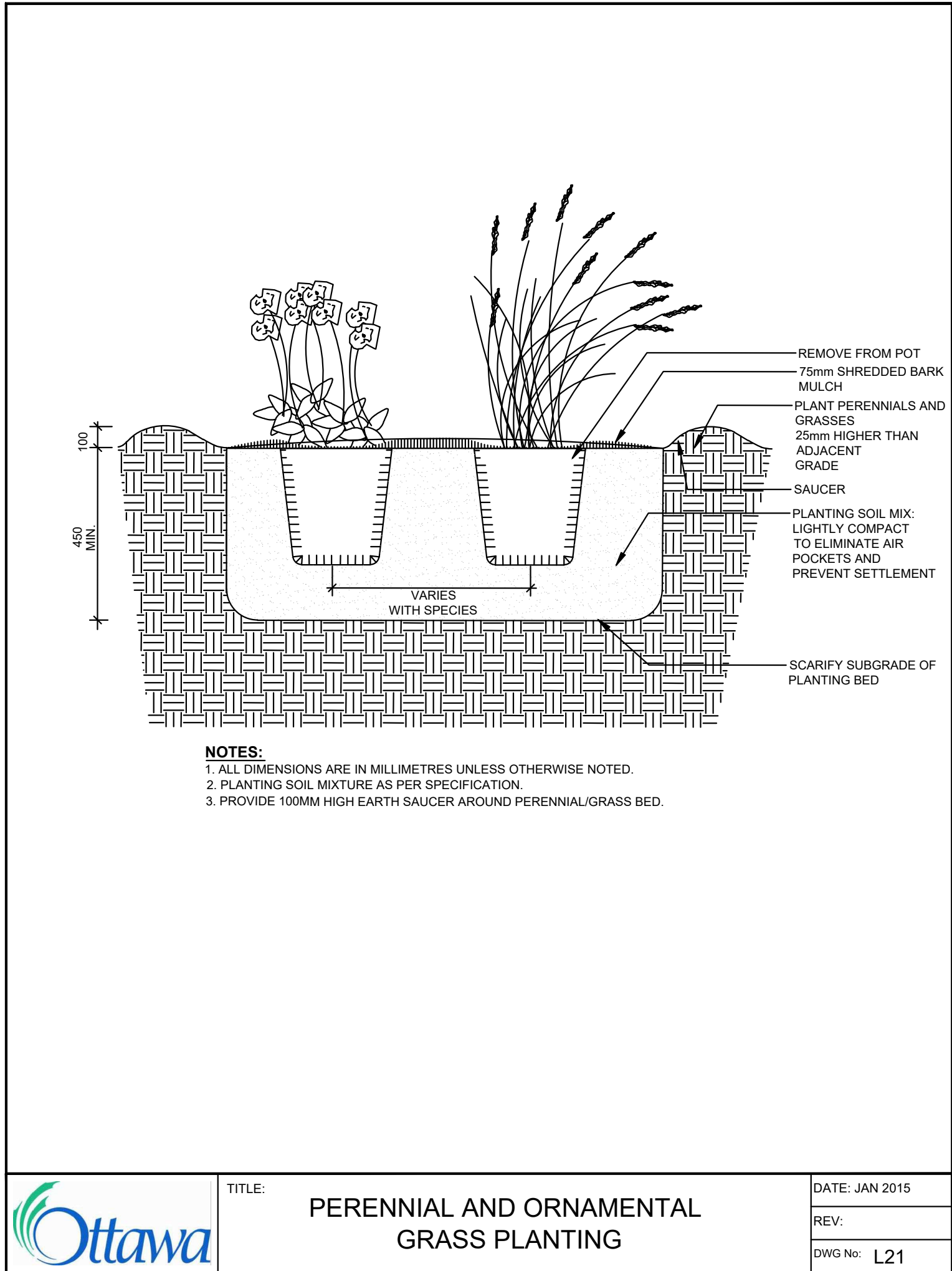
- **TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH.**
- **WHERE EXISTING MATERIAL BELOW THE SPECIFIED TOPSOIL IS NOT CONDUSIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN 900-1000mm SOIL VOLUME DEPTH REQUIRED.**
- **REFER TO SOIL VOLUME CHART AND PLANS FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.**



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UNDER SECTION 41 OF THE PLANNING ACT THIS
24 DAY OF JUNE, 2022.

Lily Xu

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north

seal

ASSOCIATION OF LANDSCAPE ARCHITECTS
ONARIO
MEMBER
Ruhland & Associates Ltd

project	1291 SUMMERVILLE	
1291 Summerville Avenue Ottawa, ON		
drawing title		
LANDSCAPEDDETAILS		
scale NTS	drawn by M. Malkov	designed by R. Ruhland
date October 2021	checked by R. Ruhland	plot date .
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