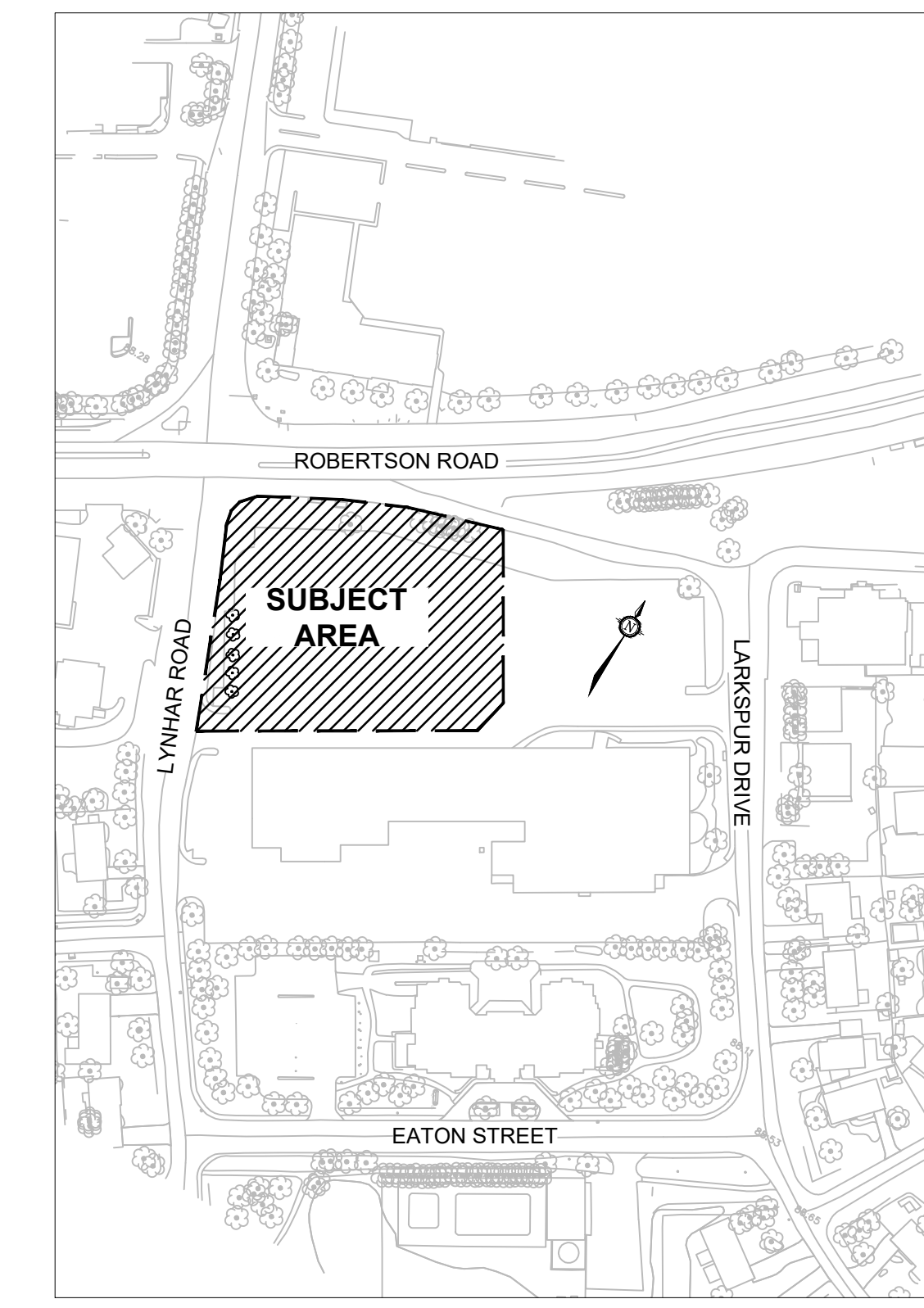
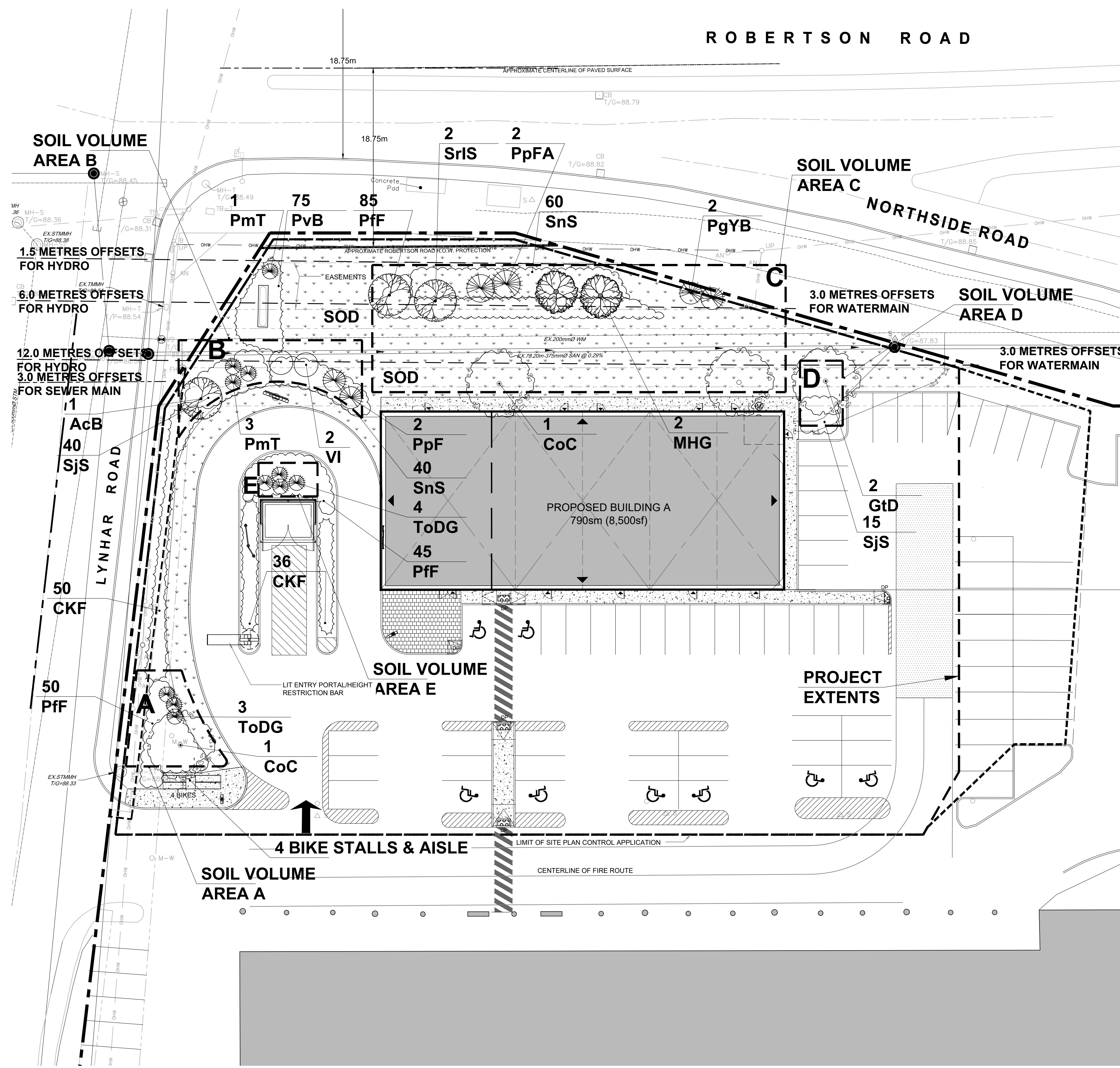


GENERAL NOTES

- 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.



KEY PLAN



PLANT LIST - TREES

Key	Qty	Botanical Name	Common Name	Hydro Offset	Mature Size	Size Planted	Remarks
Coniferous Trees							
Small Conifers - Small Ornamental category							
PgYB	2	<i>Picea glauca</i> 'Yukon Blue'	Yukon Blue White Spruce	1.5 - 6m hydro offset	Height (m) 3.5, Spread (m) 2.5	1200mm ht.	Potted
ToDS	7	<i>Thuja occidentalis</i> 'Degroot's Spire'	Degroot's Spire White Cedar	1.5 - 6m hydro offset	3, 0.5	1200mm ht.	Potted
Deciduous Trees							
Ornamental Trees and Conifers (4m to 6m ht. and canopy dia.)							
AcB	1	<i>Amelanchier canadensis</i> 'Ballerina'	Ballerina Serviceberry		5, 4	50mm cal.	WB Staked
MHG	2	<i>Malus x 'Harvest Gold'</i>	Harvest Gold Crabapple	6 - 12m hydro offset	6-7, 6	50mm cal.	WB Staked
PpFA	2	<i>Picea pungens</i> 'Fat Albert'	Fat Albert Spruce	1.5 - 6m hydro offset	6, 5	1750mm ht.	WB Staked
PpF	2	<i>Picea pungens</i> 'Fastigiata'	Pyramidal Spruce		6, 2.5	1750mm ht.	WB Staked
SrS	2	<i>Syringa reticulata</i> 'Ivory Silk'	Ivory Silk Tree Lilac	6 - 12m hydro offset	7, 5	50mm cal.	WB Staked
Small Trees (9m to 13m ht., 8.5 - 20m canopy dia.)							
GtD	1	<i>Gleditsia triacanthos</i> 'Draves'	Streetkeeper Honeylocust		13, 6	70mm cal.	WB Staked
Large Trees (14m to 40m ht., canopy >13m)							
CoC	2	<i>Celtis occidentalis</i> 'Chicagoland'	Chicagoland Hackberry		16, 13	70mm cal.	WB Staked

PLANT LIST

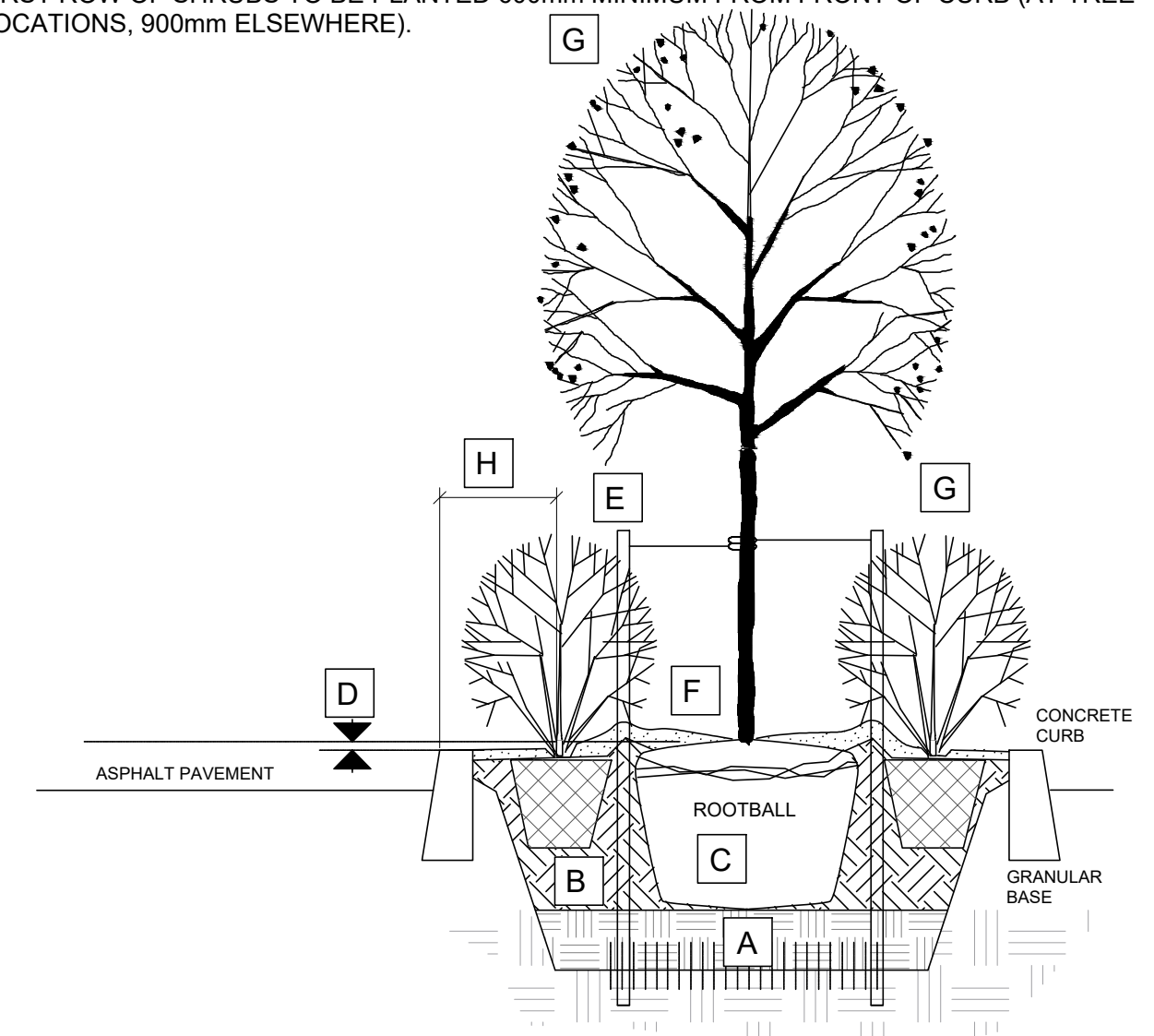
ID	Qty	Botanical Name	Common Name	Scheduled Size	Remarks
Trees					
Shrubs					
PpF	180	<i>Potentilla fruticosa</i> 'Farreri'	Gold Drop Potentilla	50cm ht.	Potted, 0.85m o.c.
PmT	6	<i>Pinus Mugo</i> 'Tannenbaum'	Tannenbaum Mugo Pine	1000mm ht.	WB, Staked
SJS	55	<i>Spiraea japonica</i> 'Shirobana'	Shirobana Spirea	50cm ht.	Potted, 1.0m o.c.
SnS	100	<i>Spiraea nipponica</i> 'Snowmound'	Snowmound Spirea	50cm ht.	Potted, 1.0m o.c.
ToDG	7	<i>Thuja occidentalis</i> 'DeGroot's Spire'	DeGroot's Spire Cedar	1200mm ht.	WB, Staked
VI	2	<i>Viburnum lentago</i>	Nannyberry	50cm ht.	Potted, 1.0m o.c.
Perennials / Ornamental Grasses					
PvB	75	Low Sun Flowering Perennials		150mm Pot	50cm o.c.
CKF	86	<i>Calamagrostis acutifolia</i> 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 gallon Pot	80cm o.c.

Note:
Perennial types: (invasives such as miscanthus or purple loosestrife are not to be planted)

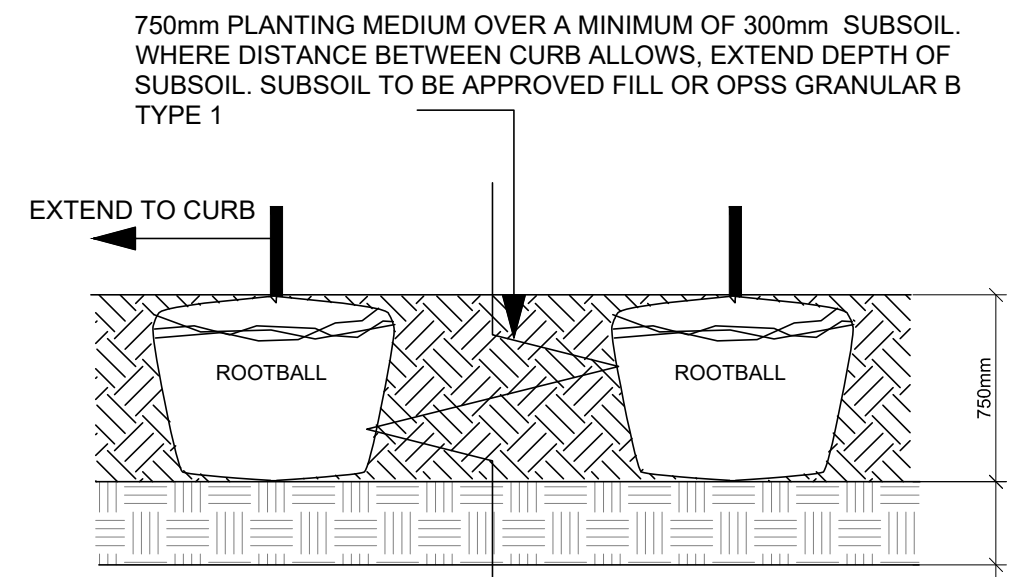
LANDSCAPE PLAN
SCALE: 1:250



- A SUBSOIL / SUBGRADE CULTIVATED LAYER
- B PLANTING MEDIUM
- C ROOTBALL / POT
- D TOP OF ROOT CROWN TO BE FLUSH WITH PLANTING SOIL
- E 2-METAL POSTS (40x40x2100 mm) PLACE AT OUTSIDE OF ROOTBALL AND FASTEN TO TRUNK WITH 3 mm GALVANIZED WIRE AND 25 mm 2 PLY REINFORCED HOSE (PARALLEL TO CURB).
- F 50-75 mm MULCH LAYER, KEEP MULCH AWAY FROM STEMS AND PROVIDE 100mm DEEP SAUCER.
- G PRUNE DAMAGE, DISEASED OR WEAK BRANCHES AS PER ACCEPTED HORTICULTURAL PRACTICE. DO NOT DAMAGE OR REMOVE LEADER
- H FIRST ROW OF SHRUBS TO BE PLANTED 600mm MINIMUM FROM FRONT OF CURB (AT TREE LOCATIONS, 900mm ELSEWHERE).



PLANTING IN MEDIAN



SECTION LENGTHWISE THROUGH MEDIAN

- Bed Preparation**
- EXCAVATE OR PLACE FILL FOR PLANTING BED TO PROVIDE 750mm MINIMUM DEPTH OF PLANTING MEDIUM AND 300mm DEPTH SUBSOIL (CONTINUOUS BETWEEN TREES). CULTIVATE PLANTING SUBSOIL INTO SUBGRADE TO A DEPTH OF 150mm.
 - PLACE COMPACTED PLANTING MEDIUM ON SUBSOIL TO ACHIEVE FINAL GRADE.
 - CENTRE OF BED TO BE CROWNED ABOVE ADJACENT GRADE TO APPROVAL OF CONSULTANT.

Lynwood Centre Redevelopment				
Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m³)	Design Soil Volume	Soil Adequacy percentage
AREA A - 1 large tree plant bed (75 sq m x 0.4 ave metre deep)	1	30.0	30.0	100.00%
AREA B - 3 ornamental trees (typical), 3 small ornamental conifers plant bed (108 sq m x 0.4 ave metre deep)	6	30.2	43.2	143.28%
AREA C - 2 large trees (typical), 8 ornamental trees plant bed (650 sq m x 0.4 ave metre deep)	10	108.0	260.0	240.74%
AREA D - 1 medium tree (typical) plant bed (30 sq m x 0.9 ave metre deep)	1	25.0	27.0	108.00%
AREA E - 4 small ornamental (columnar conifer) plant bed (18 sq m x 0.4 ave metre deep)	4	5.6	7.2	128.57%

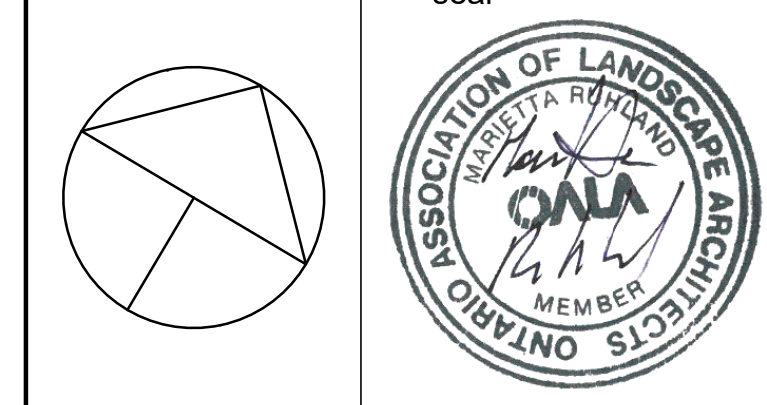
Small conifers considered Ornamental trees. * Small ornamental trees with growth to 8-15cm DBH, large shrubs, and columnar conifers calculated using 'How much soil to grow a big tree' by DeepRoot as a guide

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 (AS PER CITY DETAIL L1).

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.

7		
6		
5		
4		
3		
2	Re-Issued for Site Plan Control	2023/11/27
1	Issued for Site Plan Control	2023/03/03
no.	issue / revision	date



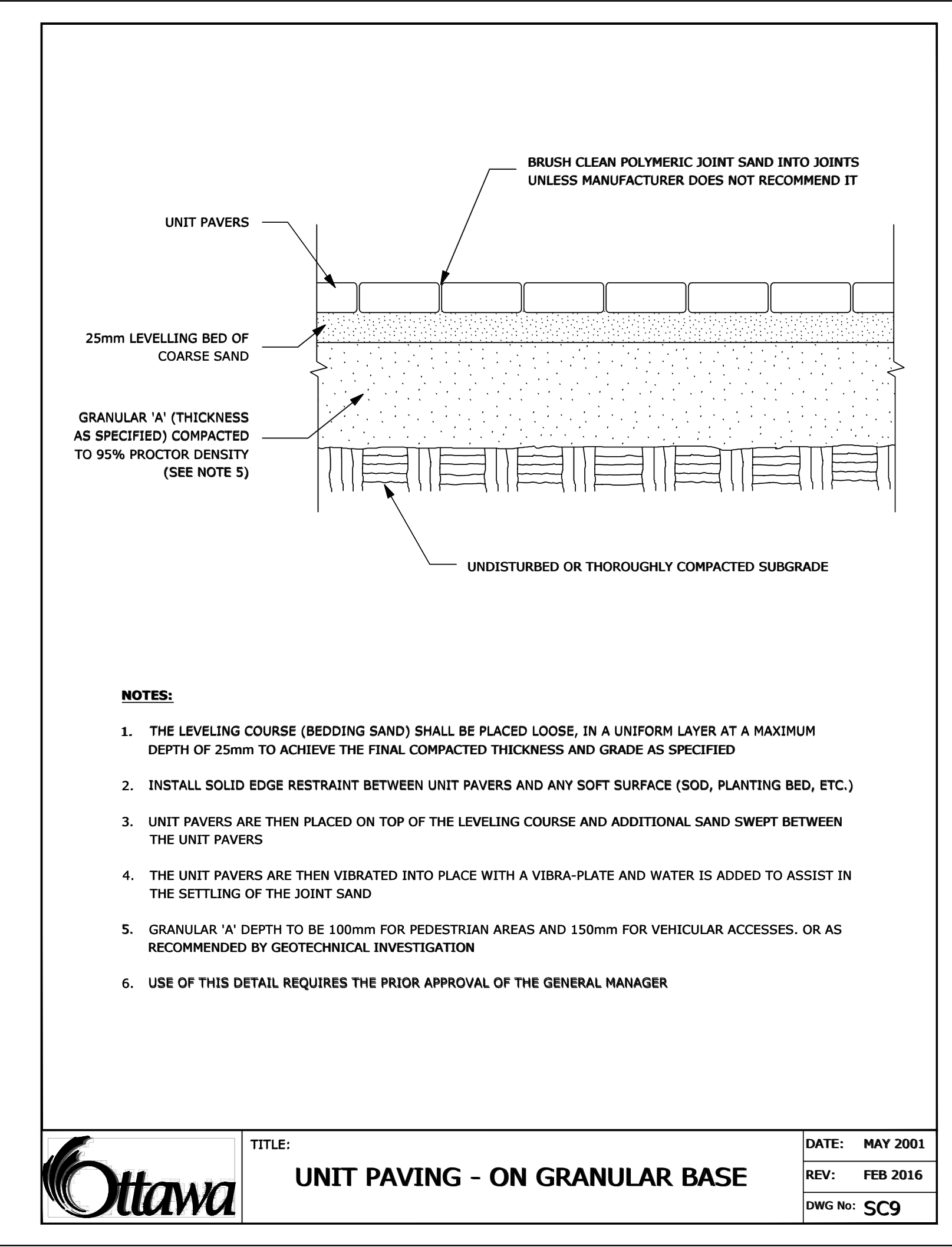
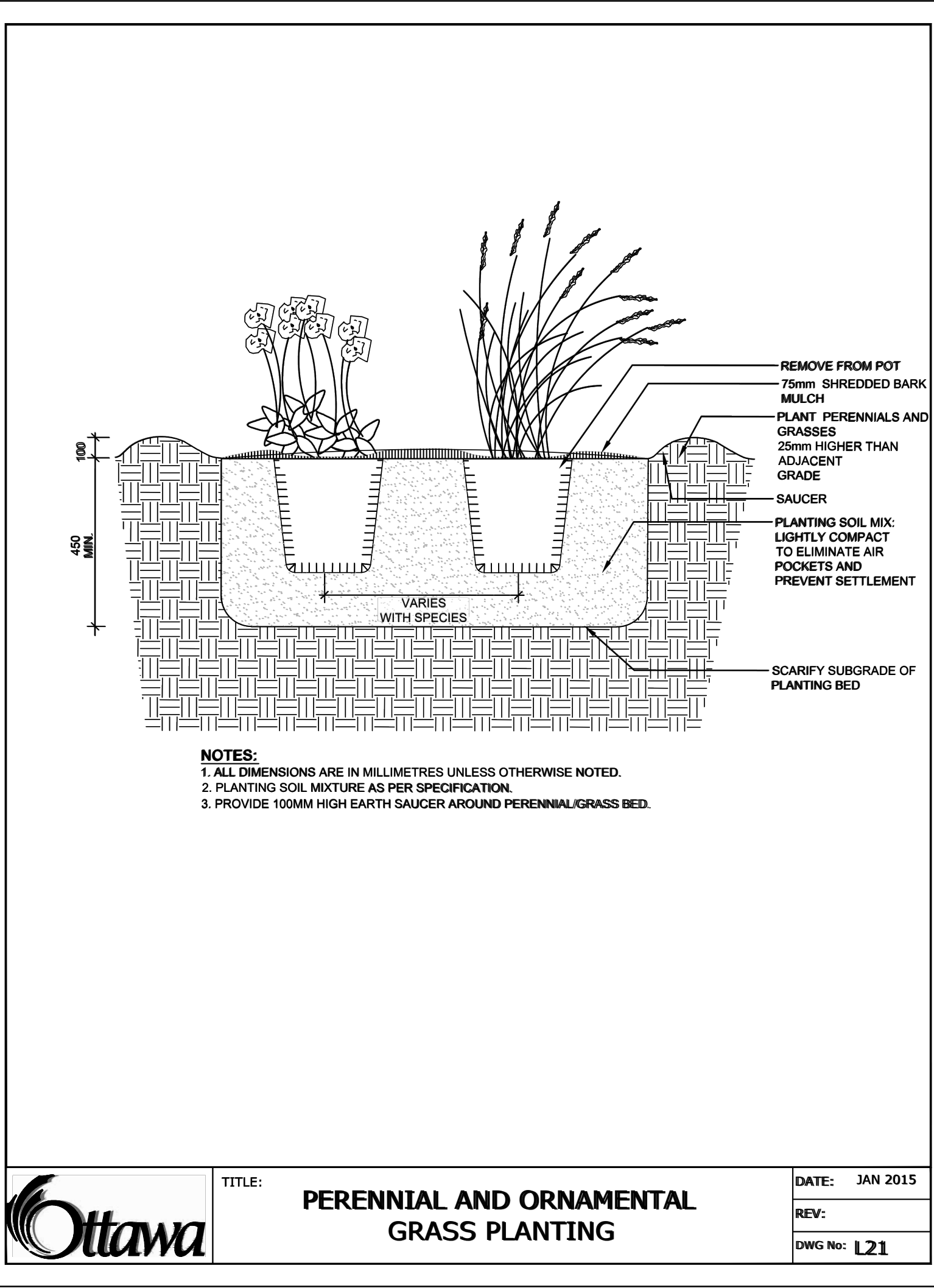
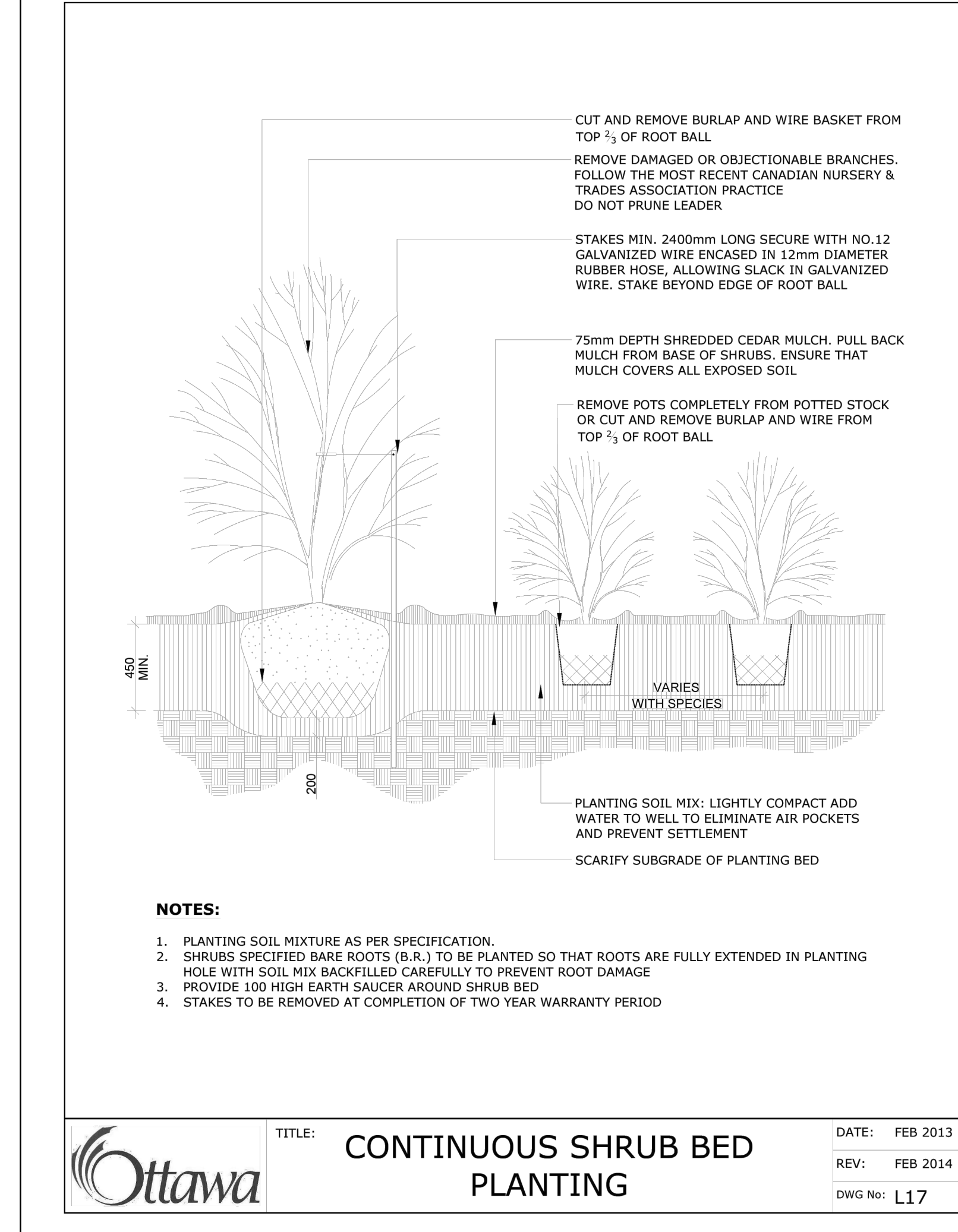
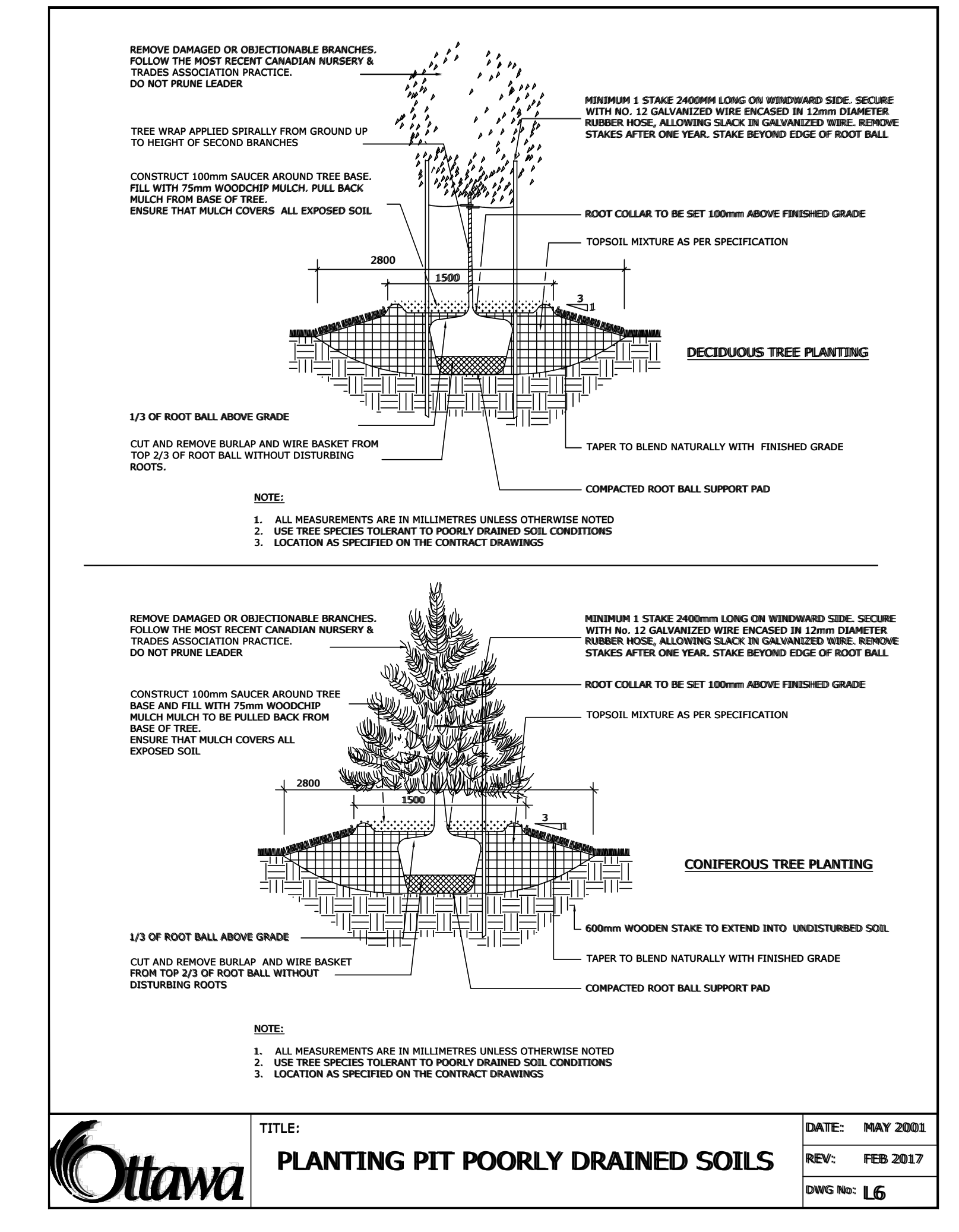
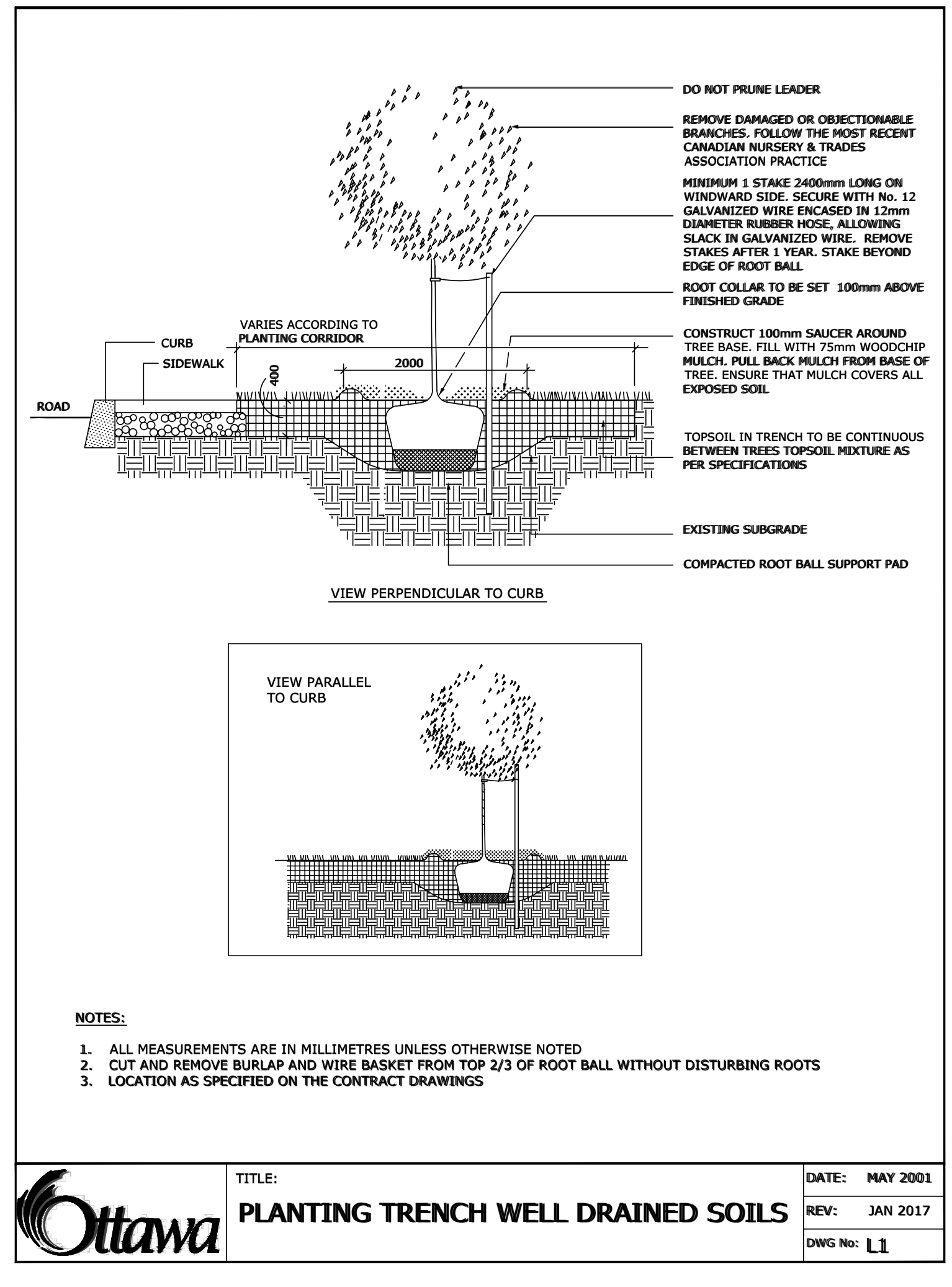
Ruhland & Associates Ltd
landscape architecture • urban design • site planning
Ph: 613-224-0744 Fax: 613-224-0735 info@rala.ca www.rala.ca

project **LYNWOOD CENTRE REDEVELOPMENT 1826 ROBERSTON ROAD**
drawing title

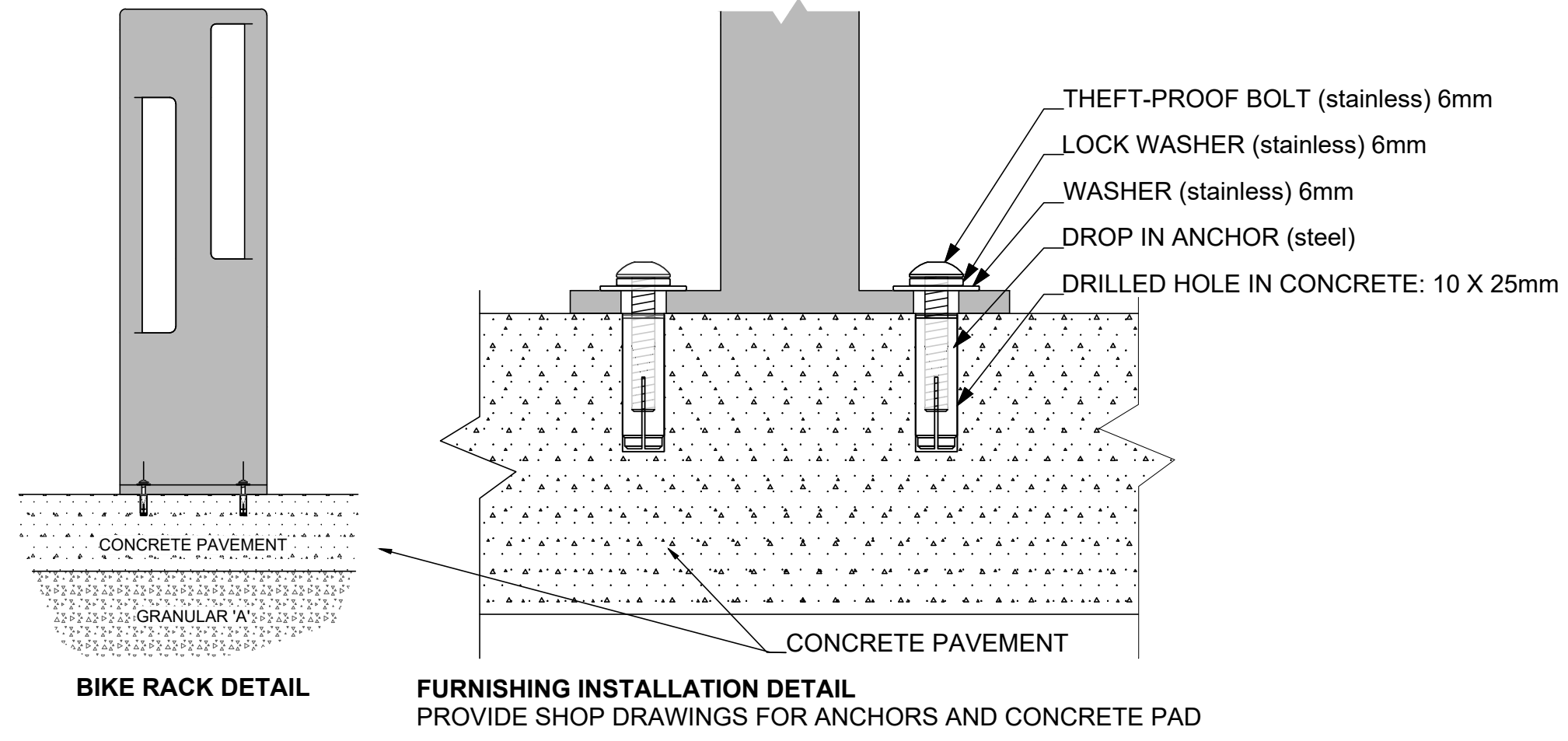
scale AS SHOWN	drawn by M. Malkov	designed by R. Ruhland
date Nov. 2022	checked by R. Ruhland	plot date
project number 22-1694	drawing number L - 01	

Contractor to check and verify all dimensions on the job

NOTES:
TREES ARE TO BE INSTALLED AS PER CITY STANDARD DETAILS, SOIL VOLUME AS PER BELOW NOTES AND MATRIX ON SHEET L-01.
- STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY THE 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 CONDUCIVE 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 MATRIX AND PLANS FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.



NOTES:
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.



7		
6		
5		
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3		
2	Re-Issued for Site Plan Control	2023/11/27
1	Issued for Site Plan Control	2023/03/03
no.	issue / revision	date
north	seal	

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project
LYNWOOD CENTRE REDEVELOPMENT
1826 ROBERSTON ROAD

drawing title
LANDSCAPE PLAN

scale AS SHOWN	drawn by M. Malkov	designed by R. Ruhland
date Nov. 2022	checked by R. Ruhland	plot date
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