

ID	Qty	Botanical Name	Common Name	Scheduled Size	Remarks
<b>LARGE DECIDUOUS TREES</b>					
As	1	Acer saccharum	Sugar Maple	70mm caliper	WB, Staked
BpC	1	Betula papyrifera	Paper Birch Clump	40mm caliper	WB, Staked
Co	4	Celtis occidentalis	Common Hackberry	60mm caliper	WB, Staked
GbAG	2	Ginkgo biloba 'Autumn Gold'	Autumn Gold Maidenhair Tree	60mm caliper	WB, Staked
GIS	2	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honeylocust	60mm caliper	WB, Staked
Qma	1	Quercus macrocarpa	Bur Oak	70mm caliper	WB, Staked
Qr	2	Quercus rubra	Northern Red Oak	60mm caliper	WB, Staked
Ta	1	Tilia americana	Basswood	70mm caliper	WB, Staked
<b>LARGE COLUMNAR DECIDUOUS TREES</b>					
ArAS	1	Acer rubrum 'Autumn Spire'	Red Maple	60mm caliper	WB, Staked
CoPS	3	Celtis occidentalis 'Prairie Sentinel'	Prairie Sentinel Hackberry	60mm caliper	WB, Staked
<b>MEDIUM DECIDUOUS TREES</b>					
Ag	4	Aesculus glabra	Ohio Buckeye	50mm caliper	WB, Staked
GID	3	Gleditsia triacanthos inermis 'Draves'	Streetkeeper Honeylocust	60mm caliper	WB, Staked
<b>SMALL DECIDUOUS TREES</b>					
Ac	5	Amelanchier canadensis	Serviceberry	45mm caliper	WB, Staked
AgRH	3	Amelanchier x grandiflora 'Robin Hill'	Robin Hill Apple Serviceberry	45mm caliper	WB, Staked
CcgC	7	Crataegus crus-galli inermis 'Cruzam'	Thornless Crusader Cockspear Hawthorn	45mm caliper	WB, Staked
MS	4	Malus x 'Snowdrift'	Snowdrift Crabapple	45mm caliper	WB, Staked
<b>SMALL COLUMNAR DECIDUOUS TREES</b>					
SrIP	1	Syringa reticulata 'Ivory Pillar'	Ivory Pillar Japanese Tree Lilac	50mm caliper	WB, Staked
<b>ORNAMENTAL DECIDUOUS TREES</b>					
AcB	6	Amelanchier canadensis 'Ballarina'	Ballarina Serviceberry (tree form)	45mm caliper	WB, Staked
MHG	4	Malus x 'Harvest Gold'	Harvest Gold Crabapple	50mm caliper	WB, Staked
SrIS	2	Syringa reticulata 'Ivory Silk'	Ivory Silk Tree Lilac	50mm caliper	WB, Staked
<b>SMALL ORNAMENTAL DECIDUOUS TREES</b>					
BnFV	2	Betula nigra 'Little King'	Fox Valley River Birch	45mm caliper	WB, Staked
<b>CONIFEROUS TREES</b>					
Pr	1	Pinus resinosa	Red Pine	200cm ht	WB, Staked
<b>SMALL CONIFEROUS TREES / CONIFEROUS SHRUBS</b>					
JcPP	5	Juniperus communis 'Pencil Point'	Pencil Point Juniper	125cm ht	Potted
PmT	2	Pinus mugo 'Tannenbaum'	Tannenbaum Mugo Pine	75cm spd	potted
To(N)	10	Thuja occidentalis (Nursery grown)	White Cedar, Eastern Arborvitae	200cm ht	Full clumps
ToF	14	Thuja occidentalis 'Fastigiata'	Fastigiata Eastern Arborvitae	175cm ht	Potted
<b>SHRUBS</b>					
CoBB	16	Cephalanthus occidentalis	Butterbush	50 cm ht.	Potted
DI	51	Diervilla lonicera	Dwarf Bush-honeysuckle	2 gallon pot	0.9m o.c.
HaA	24	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	2 gallon pot	0.9m o.c.
HalM	22	Hydrangea arborescens 'Invincible Mini Mauvette'	Mini Mauvette Annabelle Hydrangea	2 gallon pot	0.9m o.c.
HpFI	1	Hypericum paniculata 'Fire & Ice'	Fire & Ice panicia hydrangea	2 gallon pot	0.9m o.c.
Hp	18	Hypericum prolificum	Shrubby St. John's Wort	50cm ht.	2 gallon pot
Iv	2	Ilex verticillata	Winterberry	125cm ht.	Potted
Lb	4	Lindera benzoin	Northern Spicebush	80cm ht.	spacing 1.1m o.c.
Phv	2	Philadelphus x virginialis	Mockorange	175cm ht	WB, Staked
PoTW	8	Physocarpus opulifolius 'Tiny Wine'	Tiny Wine Dwarf Ninebark	50cm ht.	0.9m o.c.
Ral	23	Ribes alpinum	Alpine Currant	50cm ht.	1.0m o.c.
Rr	46	Rosa rugosa	Rugose Rose	50cm ht.	1.0m o.c.
SbC	37	Spiraea bumalda 'Coccinea'	Dwarf Red Spiraea	50cm ht.	0.8m o.c.
SbG	27	Spiraea bumalda 'Goldflame'	Goldflame Spiraea	50cm ht.	0.9m o.c.
SJS	33	Spiraea japonica 'Shirobana'	Shirobana Spiraea	50cm ht.	0.9m o.c.
SnS	31	Spiraea niponica 'Snowmound'	Snowmound Spiraea	50cm ht.	0.9m o.c.
Vd	4	Viburnum dentatum	Arrowwood	80cm ht.	Bare root
VI	9	Viburnum lentago	Nannyberry Viburnum	100 cm ht.	Potted
<b>PERENNIALS</b>					
PvA	727	Ornamental Grasses	Feather Reed Grass, Switch Grass, Bottlebrush Grass, Fescue	150mm Pot	0.5 - 0.75m o.c.
PvB	451	Sun Perennial varieties	Coneflower, Daylily, Black Eyed Susan, Beebalm, Spiked Speedwell, Blanket Flower, Blazing Star	150mm Pot	0.5 - 0.6m o.c.
PvC	145	Shade Perennial varieties	Ostrich Fern, Hosta varieties, Bigroot Geranium, Astilbe, Lamium	150mm Pot	0.5 - 0.6m o.c.

**LEGEND**

- SOD
- PRECAST PAVERS
- RUBBER TILE SURFACING
- PEASTONE MAINTENANCE EDGE
- DECORATIVE FENCE
- DECORATIVE FENCE
- BENCH
- DECORATIVE ROCKS
- STORMWATER MANAGEMENT
- GRASSES
- PERENNIALS - SUN
- PERENNIALS - SHADE
- PROPOSED TREES
- PROPOSED SHRUBS
- FUTURE TREE

6			
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2	Resubmission for SPC	2023/12/21	
1	Issued for SPC	2023/06/21	

DESIGNED BY / CONCEIVED PAR: M. Ruhland  
DRAWN BY / DESINE PAR: T. Frost / V. Odusanya  
CHECKED BY / VERIFIE PAR: M. Ruhland  
SCALE / ECHELLE: 1:250

DETAIL NUMBER: 1  
DRAWING TITLE: A1.1  
SCALE: SHEET NUMBER

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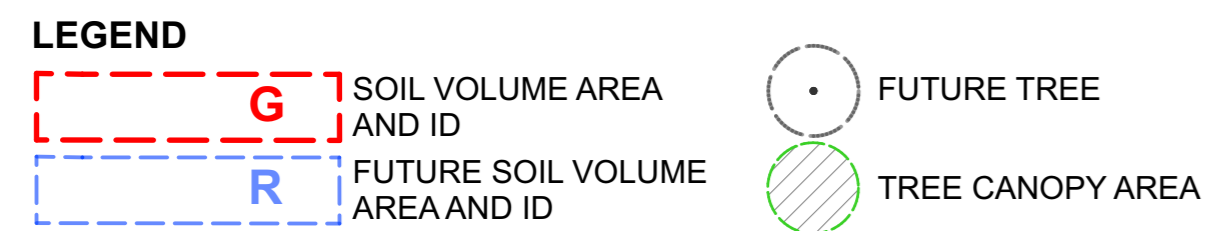
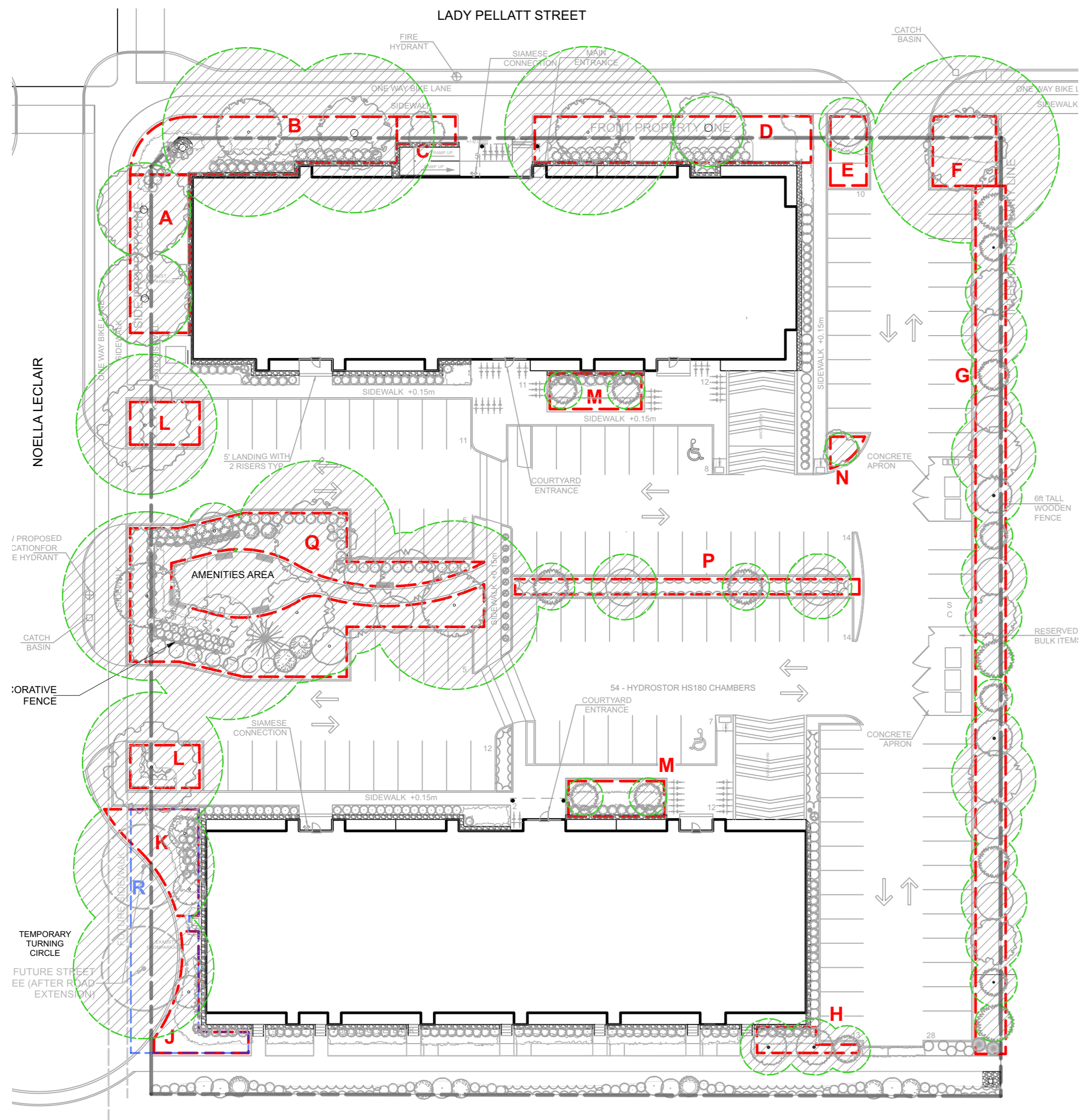
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ARCHITECT / ARCHITECTE: M. Ruhland  
CONSULTANT / EXPERT-CONSEIL: M. Ruhland  
ASSOCIATION OF LANDSCAPE ARCHITECTS / ASSOCIATION DES ARCHITECTES PAYSAGISTES D'ONTARIO

PROJECT / LOCATION / PROJET / ENDROIT: NOELLA LECLAIR STREET  
Noella LeClair Street

DRAWING / DESSIN: LANDSCAPE / PLANTING PLAN  
BUSINESS ENTITY / NUMÉRO DE L'ENTITÉ: 23-1710  
SHEET NO. / FEUILLE NO.: L-01

CITY PROJECT NO. / CONS. PROJECT NO. / NUMÉRO DE PROJET: 23-1710  
# CR-  
#19033

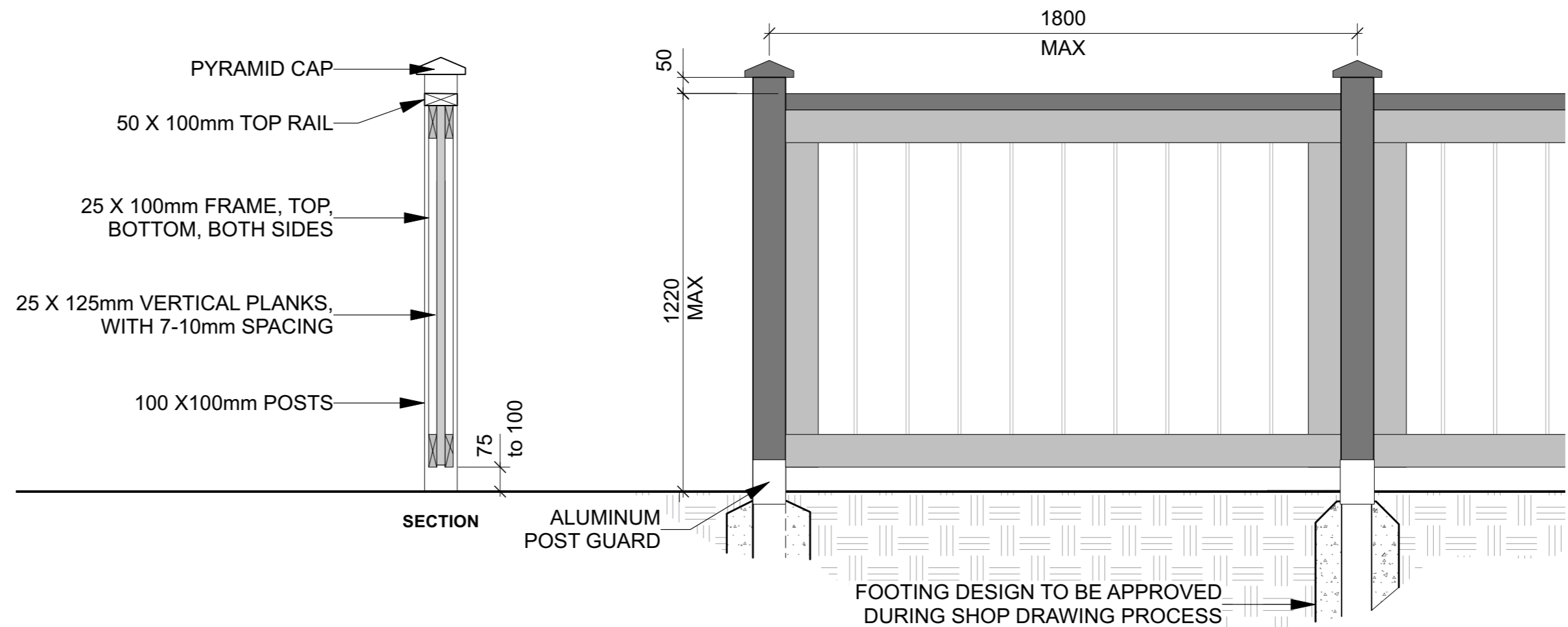


TREE CANOPY COVERAGE	
TOTAL CANOPY AREA	3510 m <sup>2</sup>
TOTAL SITE AREA	9256 m <sup>2</sup>
PERCENT COVERAGE	38%

Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m <sup>3</sup> )	Design Soil Volume	Soil Adequacy percentage
<b>AREA A - 2 large trees</b> plant bed (105 sq m x 0.4m ave deep)	2	36.0	42.0	117%
<b>AREA B - 2 large trees</b> plant bed (150 sq m x 0.4m ave deep)	2	36.0	60.0	167%
<b>AREA C - 1 small ornamental tree (15cm DBH)*</b> plant bed (18 sq m x 0.4m ave deep)	1	8.0	7.2	90%
<b>AREA D - 2 large trees</b> plant bed (145 sq m x 0.4m ave deep)	2	36.0	58.0	161%
<b>AREA E - 1 small tree</b> plant bed (28 sq m x 0.7m ave deep)	1	20.0	19.6	98%
<b>AREA F - 1 large tree (continuous)</b> plant bed (55 sq m x 0.4m ave deep)	1	18.0	22.0	122%
<b>AREA G - 5 medium trees, 10 small trees, 10 ornamental trees</b> plant bed (297 sq m x 0.8m ave deep)	21	249.0	237.6	95%
<b>AREA H - 2 small ornamental trees (15cm DBH)*, 1 small ornamental trees (10cm DBH)*</b> plant bed (21 sq m x 0.7m ave deep)	3	15.4	14.7	95%
<b>AREA J - 2 columnar trees</b> plant bed (48 sq m x 0.4m ave deep)	2	18.0	19.2	107%
<b>AREA K - 2 columnar trees</b> plant bed (63 sq m x 0.4m ave deep)	2	18.0	25.2	140%
<b>AREA L - 1 large tree</b> plant bed (33.5 sq m x 0.8m ave deep)	1	30.0	26.8	89%
<b>AREA M - 2 *small ornamental trees (15cm DBH)</b> plant bed (37 sq m x 0.5m ave deep)	2	18.0	18.5	103%
<b>AREA N - 1 small ornamental tree (10cm DBH)</b> plant bed (8 sq m x 0.7m ave deep)	1	6.0	5.6	93%
<b>AREA P - 4 small trees</b> plant bed (60 sq m x 0.7m ave deep)	4	48.0	42.0	88%
<b>AREA Q - 6 large trees, 2 medium trees, 1 conifer, 4 small trees, 2 ornamental trees</b> plant bed (350 sq m x 0.7m ave deep)	15	239.0	245.0	103%
<b>AREA R - 3 large trees (future), 3 columnar trees</b> plant bed (198 sq m x 0.4m ave deep)	6	81.0	79.2	98%

\* 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

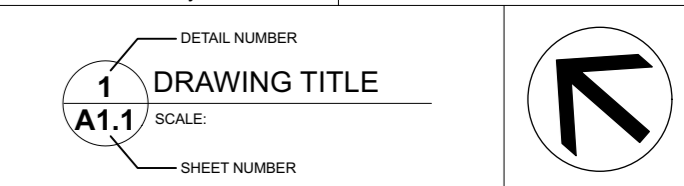
AREAS WHERE SITE CONSTRAINTS (such as parking lot islands, adjacent hard surface areas): 0.9 TO 1.2m DEPTH IMPORTED TOPSOIL (average depth of 1000mm).  
AREAS WITHIN OR ADJACENT TO LARGER SOFT LANDSCAPE AREAS (such as wide boulevards, lawns, etc): 0.4m AVERAGE DEPTH OF IMPORTED TOPSOIL OVER APPROVED EXISTING SUBSOIL.  
ADDITIONAL IMPORTED TOPSOIL OR APPROVED SUBSOIL TO BE ADDED WHERE SUBGRADE BELOW THE 400mm IMPORTED TOPSOIL IS NOT CONDUCIVE TO PLANT GROWTH.



**1** Decorative Fence  
Scale: NTS

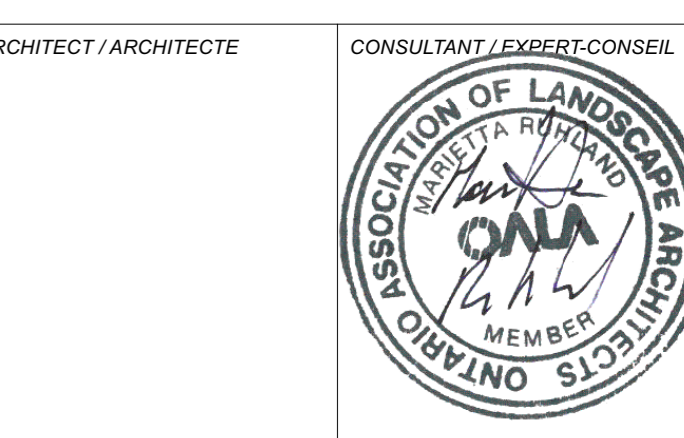
NOTES:  
- ALL WOOD TO BE PRESSURE TREATED  
- ALL SIZES ARE NOMINAL  
- ALL FASTENERS TO BE ALUMINUM OR HOT DIPPED GALVANIZED.  
- WOOD SCREWS TO BE EXTERIOR GRADE, COATED.

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2	Resubmission for SPC	2023/12/21	
1	Issued for SPC	2023/06/21	
DESIGNED BY / CONÇU PAR	M. Ruhland	CHECKED BY / VÉRIFIÉ PAR	M. Ruhland
DRAWN BY / DÉSSINÉ PAR	T. Frost / V. Odusanya	SCALE / ÉCHELLE	



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ARCHITECT / ARCHITECTE  
CONSULTANT / EXPERT-CONSEIL

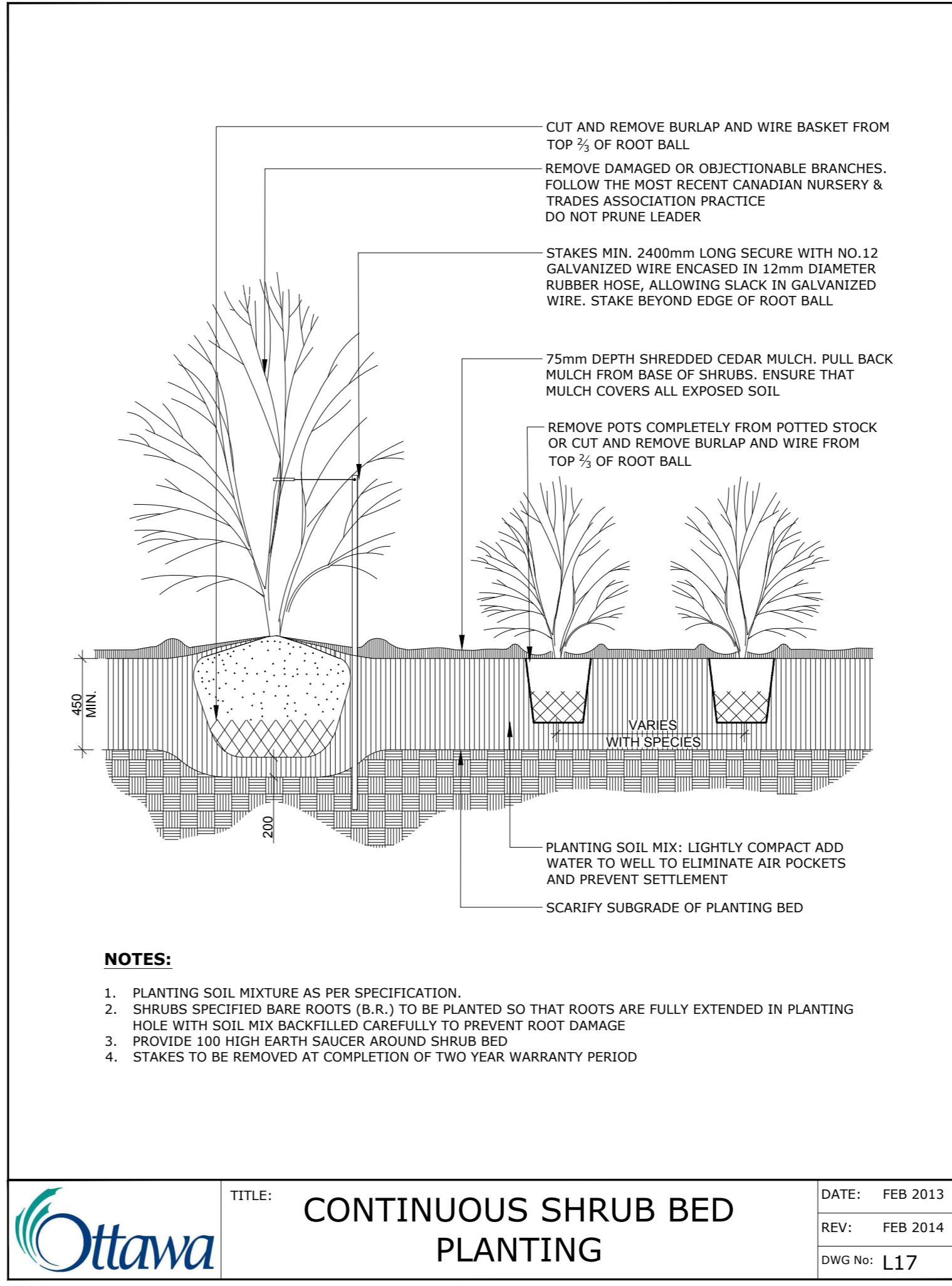
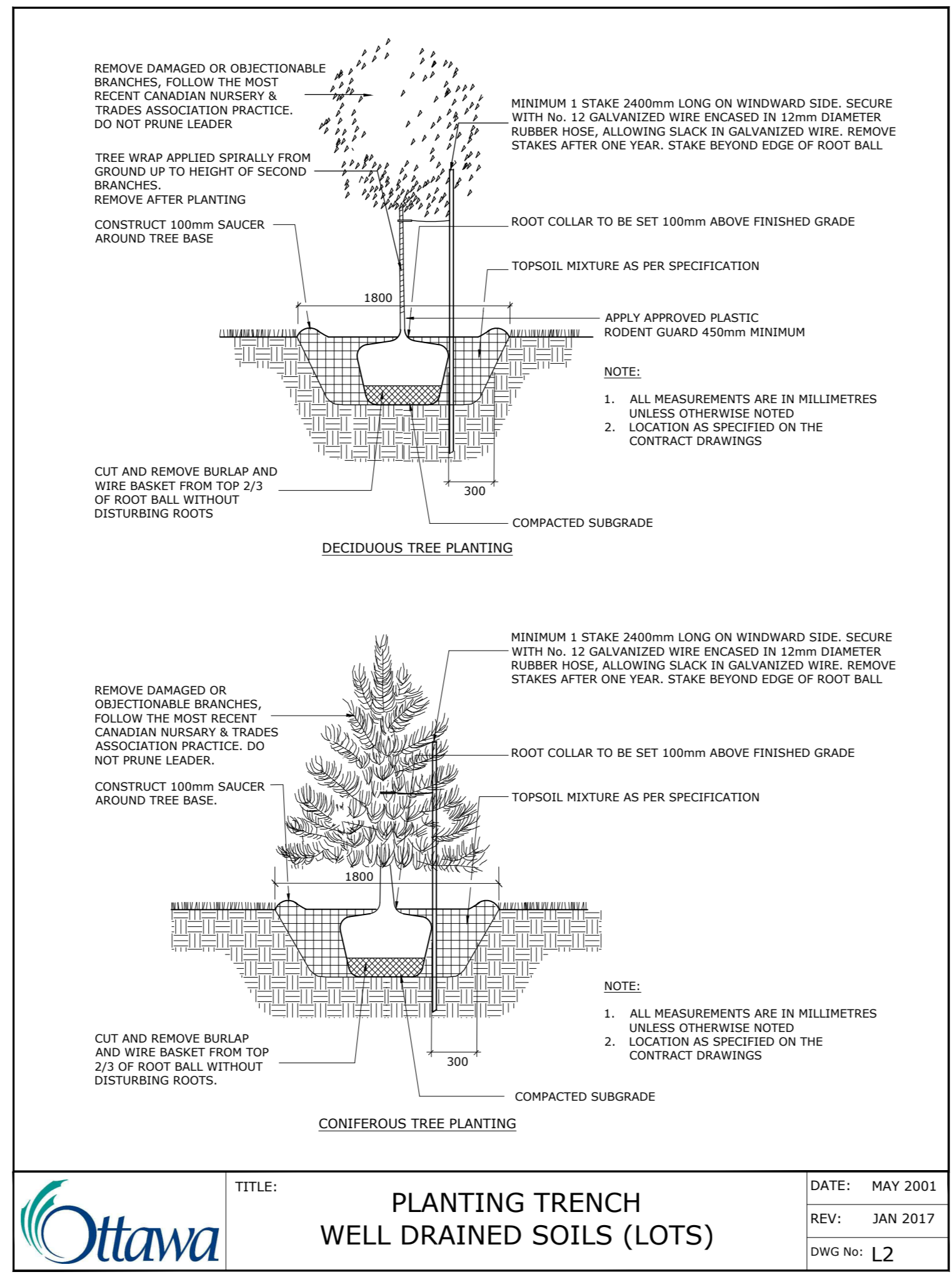
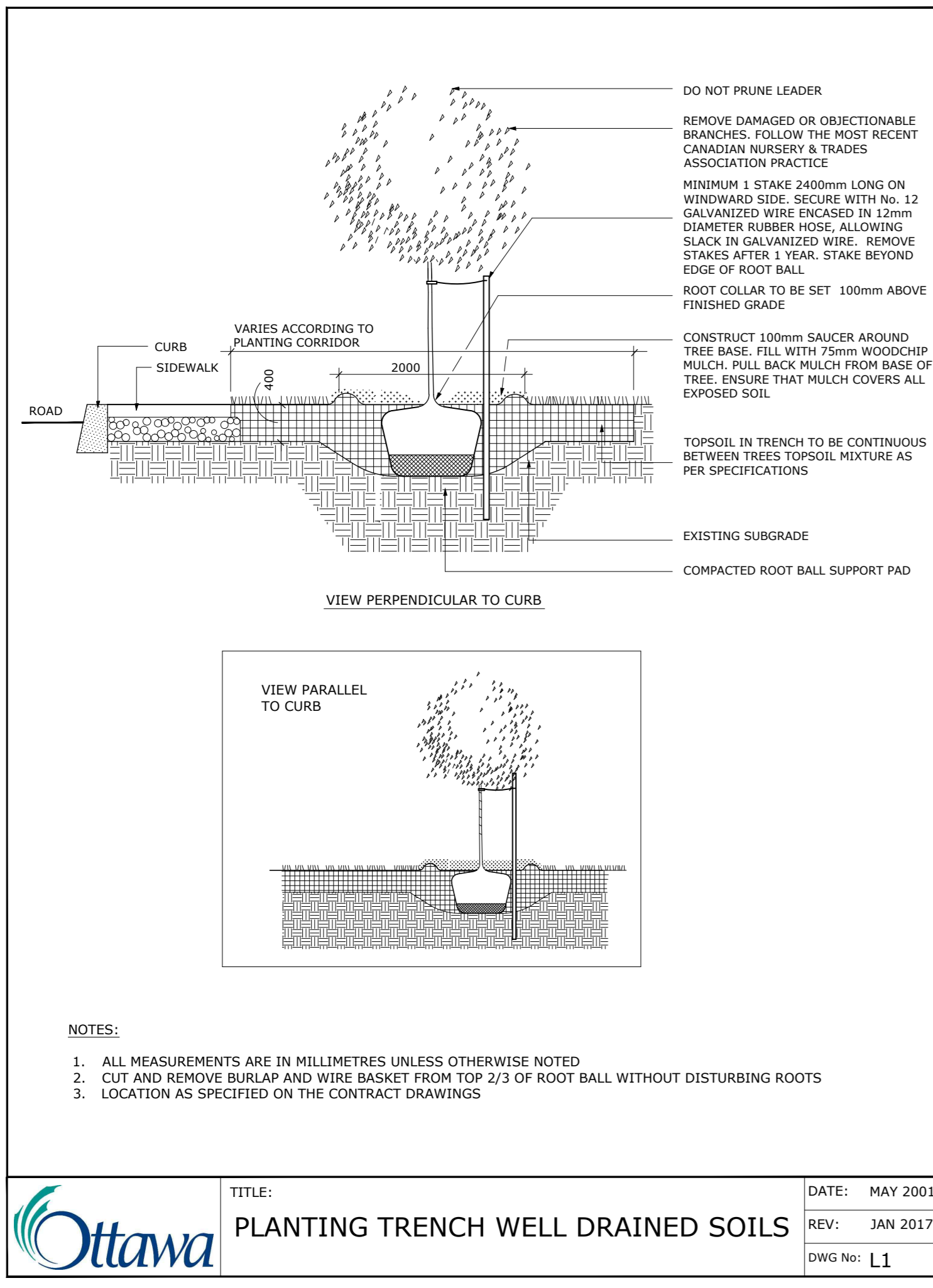
PROJECT / LOCATION / PROJET / ENDROIT  
**NOELLA LECLAIR STREET**

Noella LeClair Street

DRAWING / DESSIN  
**DETAILS**

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SHEET NO. / FEUILLE NO.  
**L-02**

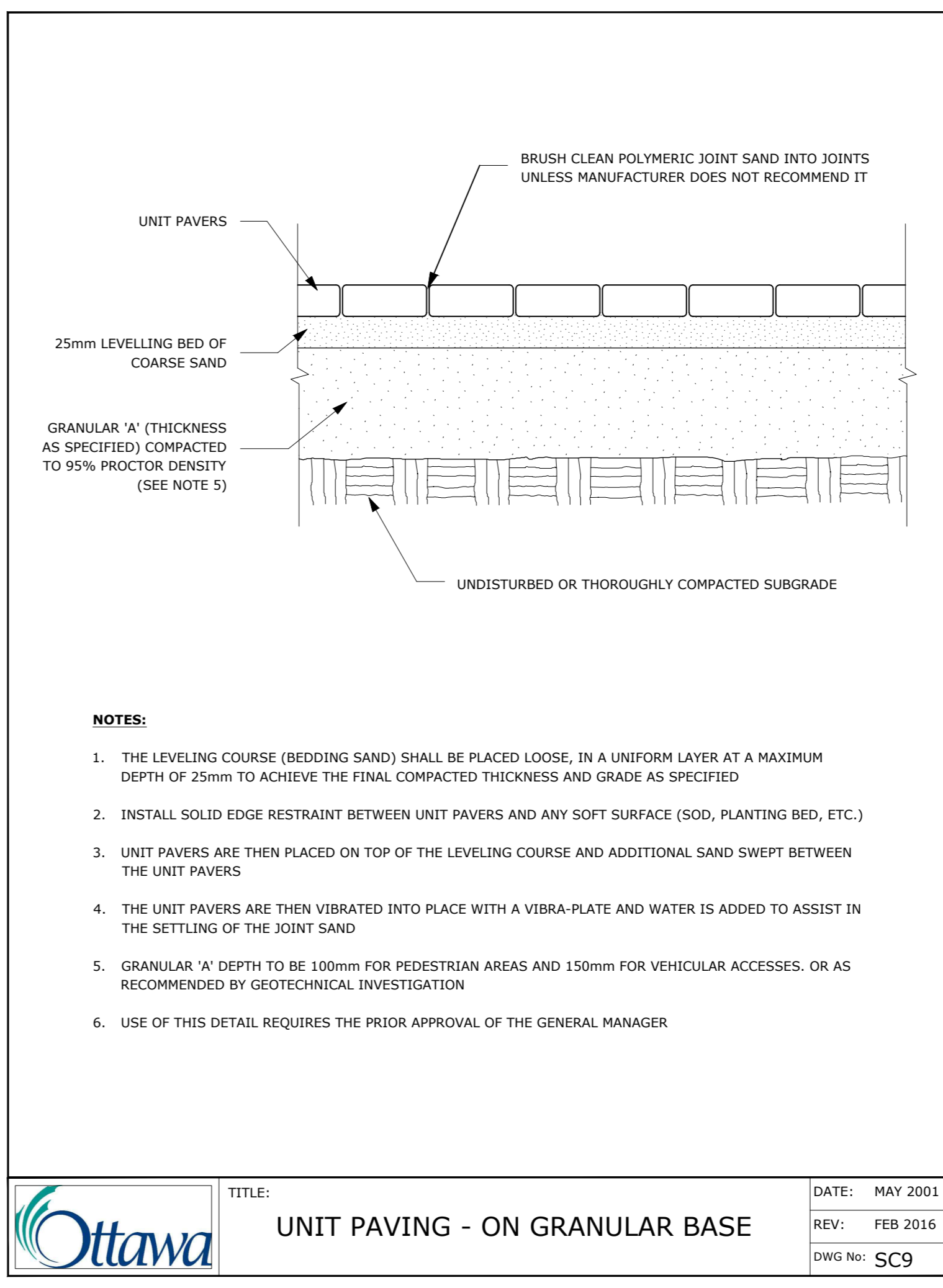
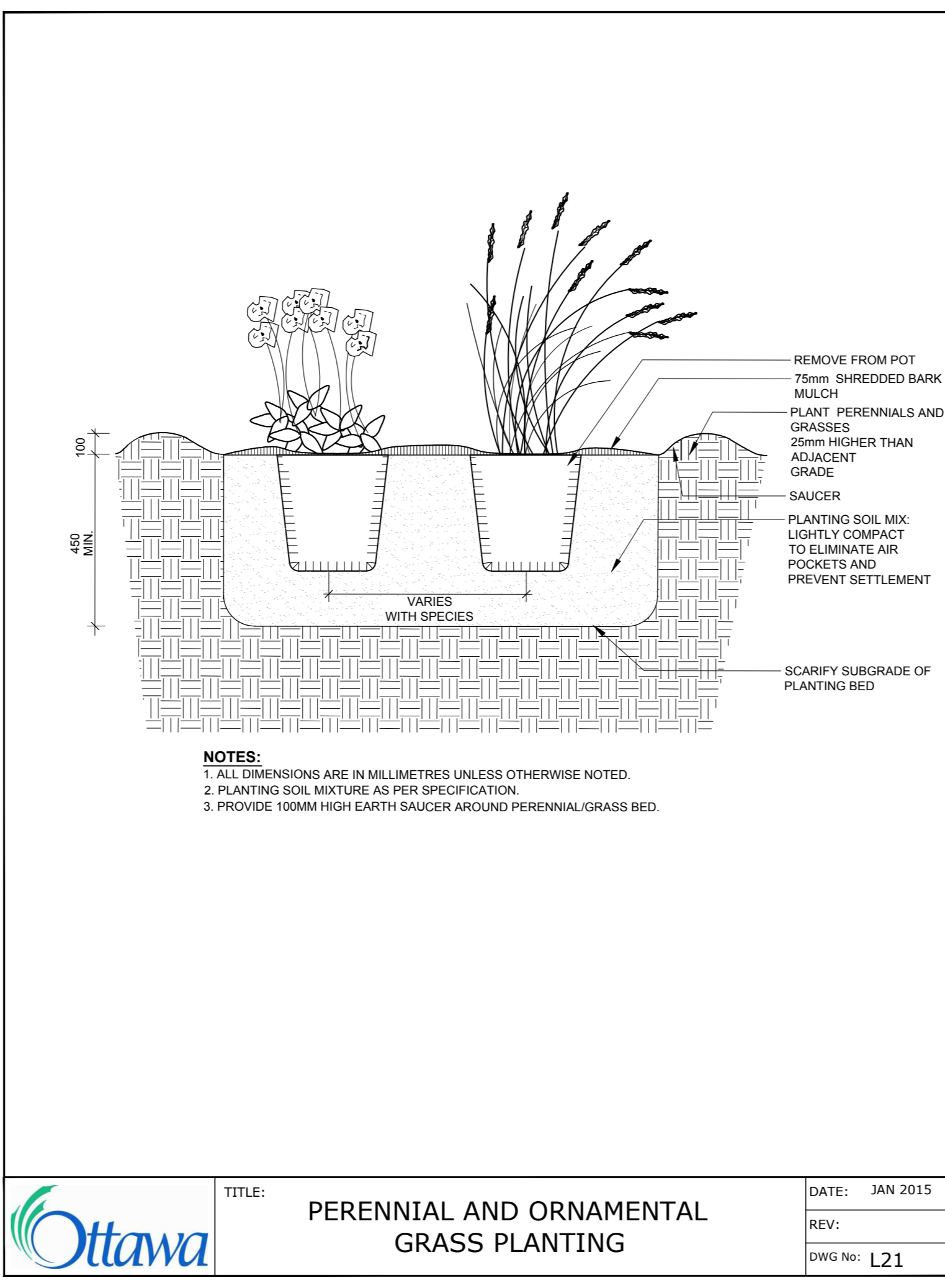
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**TREE SOIL VOLUME REQUIREMENTS:**  
STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL / EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE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



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

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6			
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2	Resubmission for SPC	2023/12/21	
1	Issued for SPC	2023/06/21	
NUMBERS	MILESTONE / FAIT SALLANT	DATE: (Y/M/D)	INITIALS
DESIGNED BY / CONCEVU PAR	M. Ruhland	CHECKED BY / VERIFIE PAR	M. Ruhland
DRAWN BY / DESINE PAR	T. Frost / V. Odusanya	SCALE / ECHELLE	

DETAIL NUMBER  
**1**  
DRAWING TITLE  
**A1.1**  
SCALE  
SHEET NUMBER

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ARCHITECT / ARCHITECTE  
CONSULTANT / EXPERT-CONSEIL

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO  
MEMBER

CONSULTANT / EXPERT-CONSEIL  
CONSULTANT / EXPERT-CONSEIL

PROJECT / LOCATION / PROJET / ENDROIT  
**NOELLA LECLAIR STREET**

Noella LeClair Street

DRAWING / DESSIN  
**DETAILS**

BUSINESS ENTITY / NUMERO DE L'ENTITE  
BUILDING NUMBER / NUMERO DU BATIMENT

SHEET NO. / FEUILLE NO.  
**L-03**

CITY PROJECT NO. / CONTS. PROJECT NO. / NUMERO DE PROJET  
# CR..... 23-1710