

NOTE

THIS PLAN IS ISSUED FOR SITE PLAN CONTROL SUBMISSION ONLY.

ADDITIONAL DETAILING AND SPECIFICATIONS ARE REQUIRED PRIOR TO TENDERING OR CONSTRUCTION

ALL PROPOSED TREES MEET THE CITY GUIDELINES FOR SOIL VOLUME REQUIREMENTS.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH TREE CONSERVATION REPORT. REFER TO TREE CONSERVATION REPORT FOR TREE CONSERVATION REPORT PREPARED BY IFS, DATED July 11, 2022 FOR TREE PROTECTION MEASURES AND DETAILS.

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

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.
- NO TREE, DESIGNATED ON THIS PLAN AS TO STAY, SHALL BE REMOVED, WHERE CONDITIONS IN THE FIELD AFFECT THE SAFETY OR RETENTION OF THE DESIGNATED TREE. THE LANDSCAPE ARCHITECT AND PLANNING STAFF (OR OWNER) ARE TO BE NOTIFIED.
- PRUNING OF EXISTING TREES SHALL BE DONE ONLY TO REPAIR EXISTING DAMAGE, AS SHOWN ON PLAN OR AS DIRECTED BY THE CITY (OR LANDSCAPE ARCHITECT). PRUNING TO BE DONE ONLY BY A QUALIFIED ARBORIST.
- REVIEW PROJECT WITH CONSULTANT PRIOR TO COMMENCING ANY ON SITE WORK.
- 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 PLANNING STAFF (OR OWNER).
- OBTAIN APPROVAL OF LANDSCAPE ARCHITECT FOR GRANULAR BASE AND LAYOUT OF ALL PAVEMENT AREAS PRIOR TO CONSTRUCTION.
- ALL SODDED AREAS TO RECEIVE A MINIMUM OF 150MM OF TOPSOIL OVER GRADED SUB-BASE. DO NOT USE MESH. SOD SHALL COME FROM AN APPROVED SOURCE AND SHALL BE LAID WITHIN 24 HOURS OF BEING CUT IN THE NURSERY. ONLY NURSERY SOD SHALL BE USED.
- 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(S) OF THE LANDSCAPE ARCHITECT (AND PLANNING STAFF).
- WHERE CLAY IS ENCOUNTERED PROPER DRAINAGE MUST BE ENSURED IN TREE/SHRUB PITS, PRIOR TO PLANTING. HAVE METHOD APPROVED BY LANDSCAPE ARCHITECT.
- NO SUBSTITUTIONS OF PLANT MATERIAL SHALL BE MADE WITHOUT PRIOR APPROVALS OF THE LANDSCAPE ARCHITECT AND PLANNING STAFF.
- FINAL SUBGRADE IS TO APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO IMPORTING TOPSOIL AND SOD BEING LAID.
- MAINTAIN POSITIVE SURFACE RUNOFF THROUGH THE ENTIRE CONSTRUCTION PERIOD.
- REINSTATE ALL AREAS AND ITEMS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.



6			
5			
4			
3	Issued for SPA Submission	23/05/03	MR
2	Re-Issued per Comments	22/11/18	MR
1	Issued for Site plan Control	22/10/26	MR

DESIGNED BY / CONSULTANT	CHECKED BY / NURSERY PERSON
M RUHLAND	M RUHLAND

DRAWN BY / DESIGN PERSON	
H P	

SCALE / ÉCHELLE	

ARCHITECT	CONSULTANT
-----------	------------

--	--

CONSULTANT	CONSULTANT
------------	------------

--	--

--	--

--	--

PROJECT / LOCATION	
--------------------	--

IRIDIAN SPECTRAL TECHNOLOGIES EXPANSION

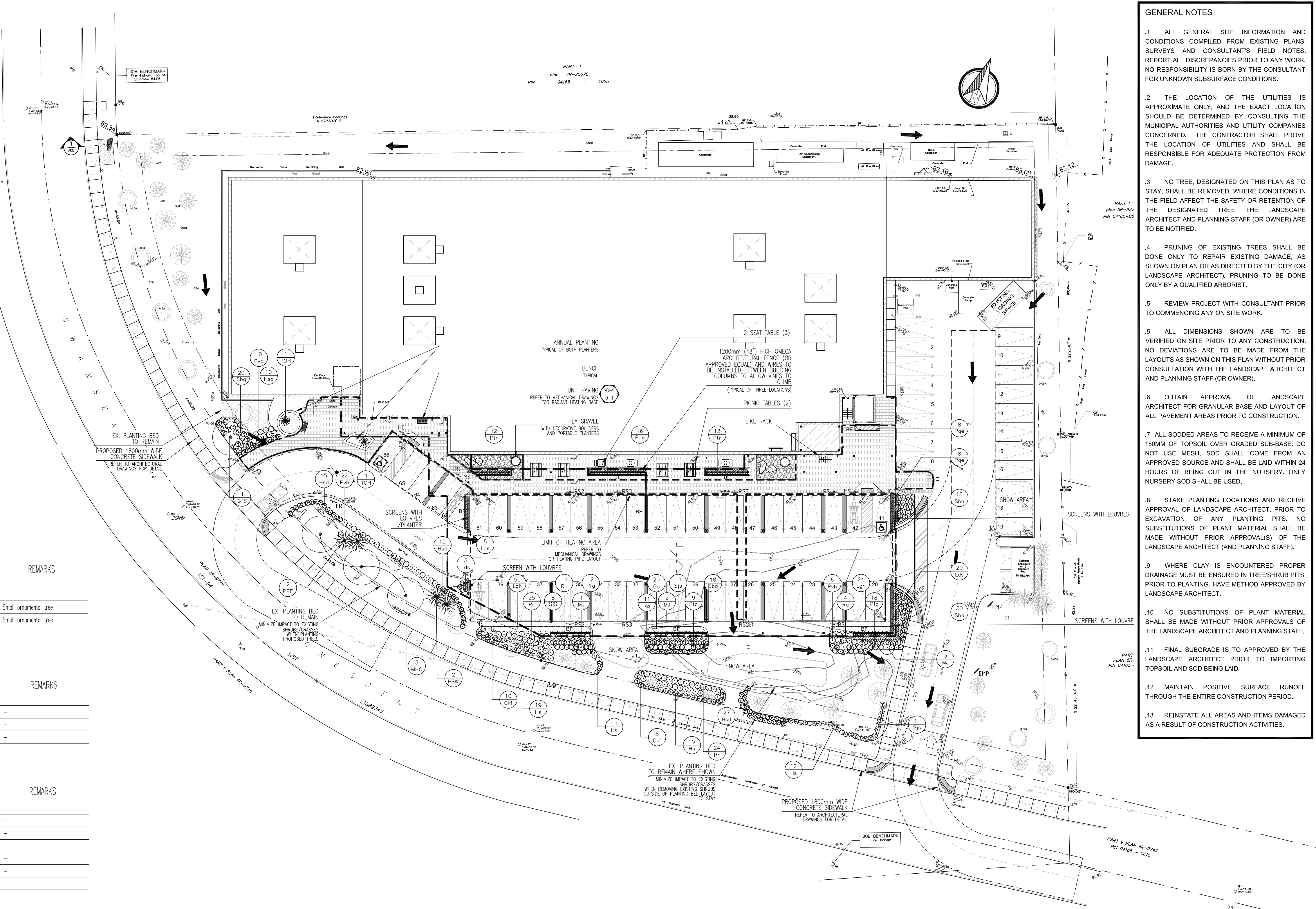
2700 SWANSEA CRESCENT OTTAWA, ON

LANDSCAPE PLAN

DATE	JULY 2022
------	-----------

PROJECT NO.	22-1677
-------------	---------

SHEET NO.	L-1
-----------	-----



PLANT LIST (MASTER)

SMALL DECIDUOUS TREES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL. (mm)	HT. (cm)	SPREAD (cm)	ROOTS (cm)	REMARKS
MHG	3	Malus 'Harvest Gold'	Harvest Gold Crabapple	50	-	-	WB	Small ornamental tree
MJ	6	Malus 'Jefepire'	Purple Spire Columnar Crabapple	45	-	-	WB	Small ornamental tree

SMALL CONIFEROUS TREES/SHRUBS

KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL. (mm)	HT. (cm)	SPREAD (cm)	ROOTS (cm)	REMARKS
PSW	2	Juniperus scopulorum 'whitchita blue'	Whitchita Blue Upright Juniper	-	125	-	WB	-
PPF	2	Picea pungens var. glauca 'Fastigiata'	Columnar Blue Spruce	-	175	-	WB	-
TOH	3	Thuja occidentalis 'Holmstrup'	Holmstrup's Spire Cedar	-	150	-	CG / FP	-

DECIDUOUS SHRUBS

KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL. (mm)	HT. (cm)	SPREAD (cm)	ROOTS (cm)	REMARKS
Ptg	39	Potentilla fruticosa 'Goldfinger'	Goldfinger potentilla	50	30	3	gal. pot.	-
Ra	26	Rhus aromatica	Fragrant Sumac	50	50	3	gal. pot.	-
Rr	49	Rosa rugosa	Rugosa Rose	-	-	3	gal. pot.	-
Saa	45	Spiraea x bumalda 'Anthony Waterer'	Anthony Waterer Spirea	50	30	3	gal. pot.	-
Sag	38	Spiraea x bumalda 'Goldflame'	Goldflame Spirea	50	30	3	gal. pot.	-
Sjp	30	Spiraea japonica 'Shirobana'	Shirobana Spirea	50	30	3	gal. pot.	-

PERENNIALS & GROUNDCOVERS

KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL. (mm)	HT. (cm)	SPREAD (cm)	ROOTS (cm)	REMARKS
Go	20	Galium odoratum	Sweet Woodruff	-	-	-	15cm pot.	-
Hsd	67	Hemerocallis 'Stella D'Oro'	Stella D'Oro Daylily	-	-	-	1 gal. pot.	-
Lgh	74	Lamium stramonium 'Herman's Pride'	Herman's Pride False Lamium	-	-	-	15cm pot.	-

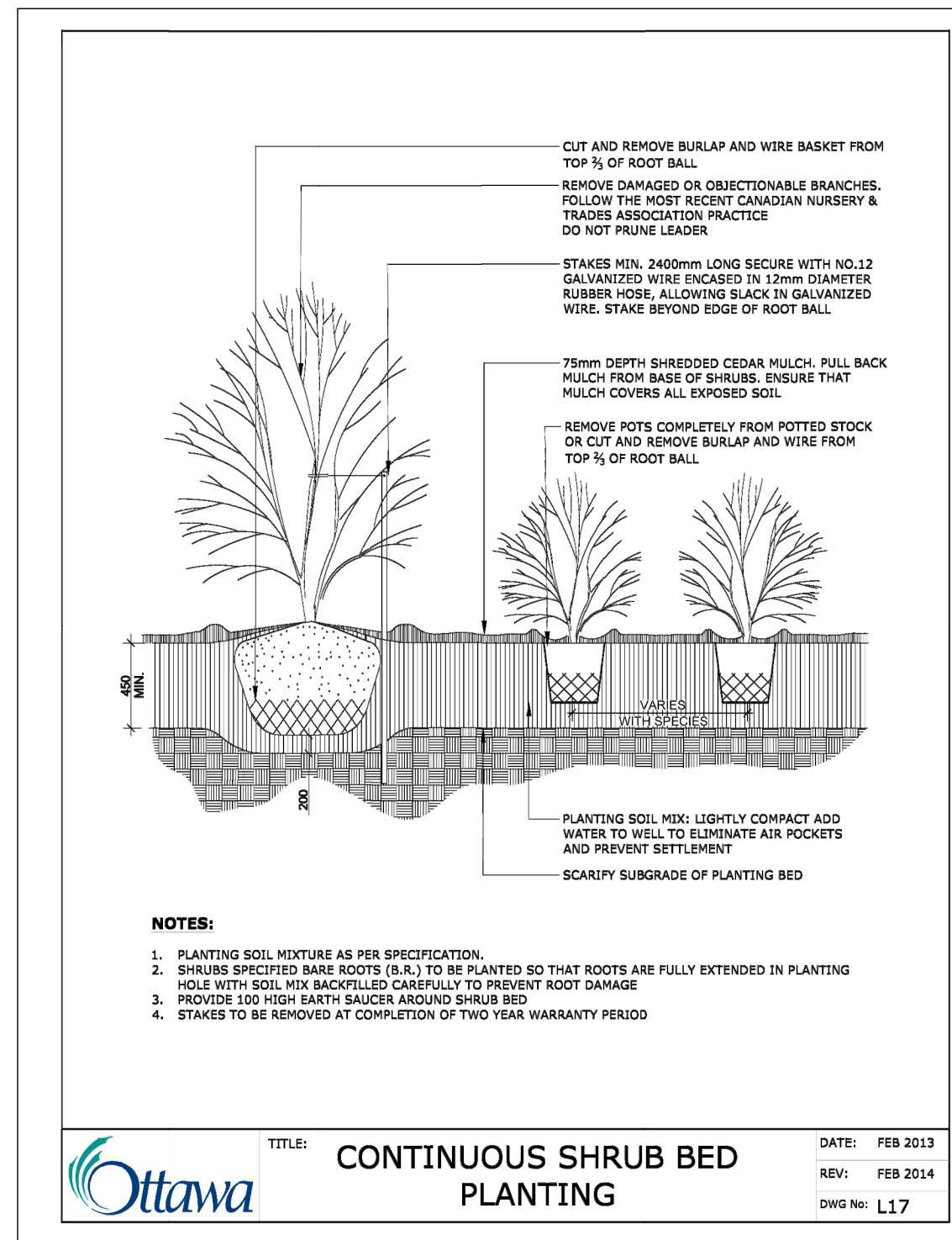
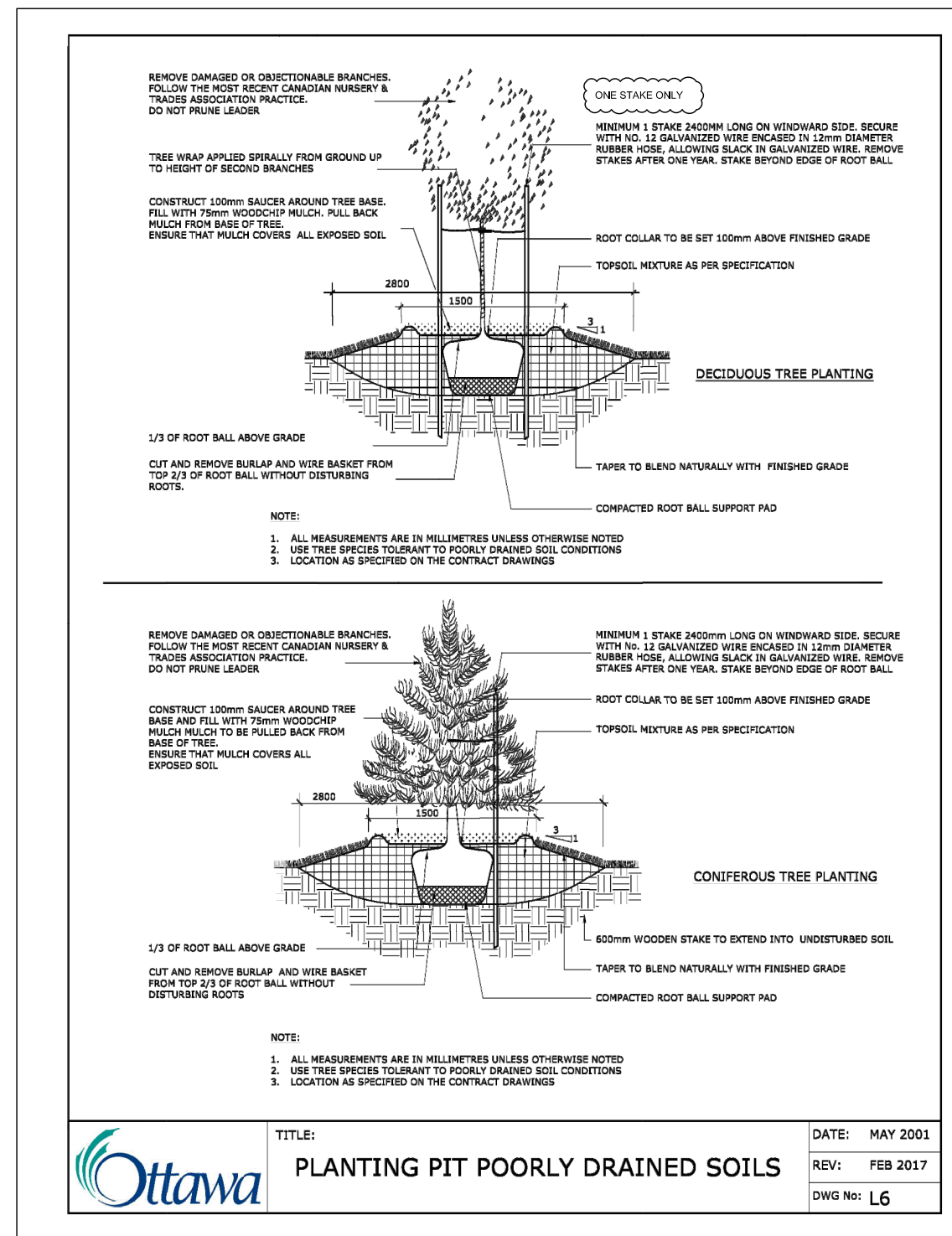
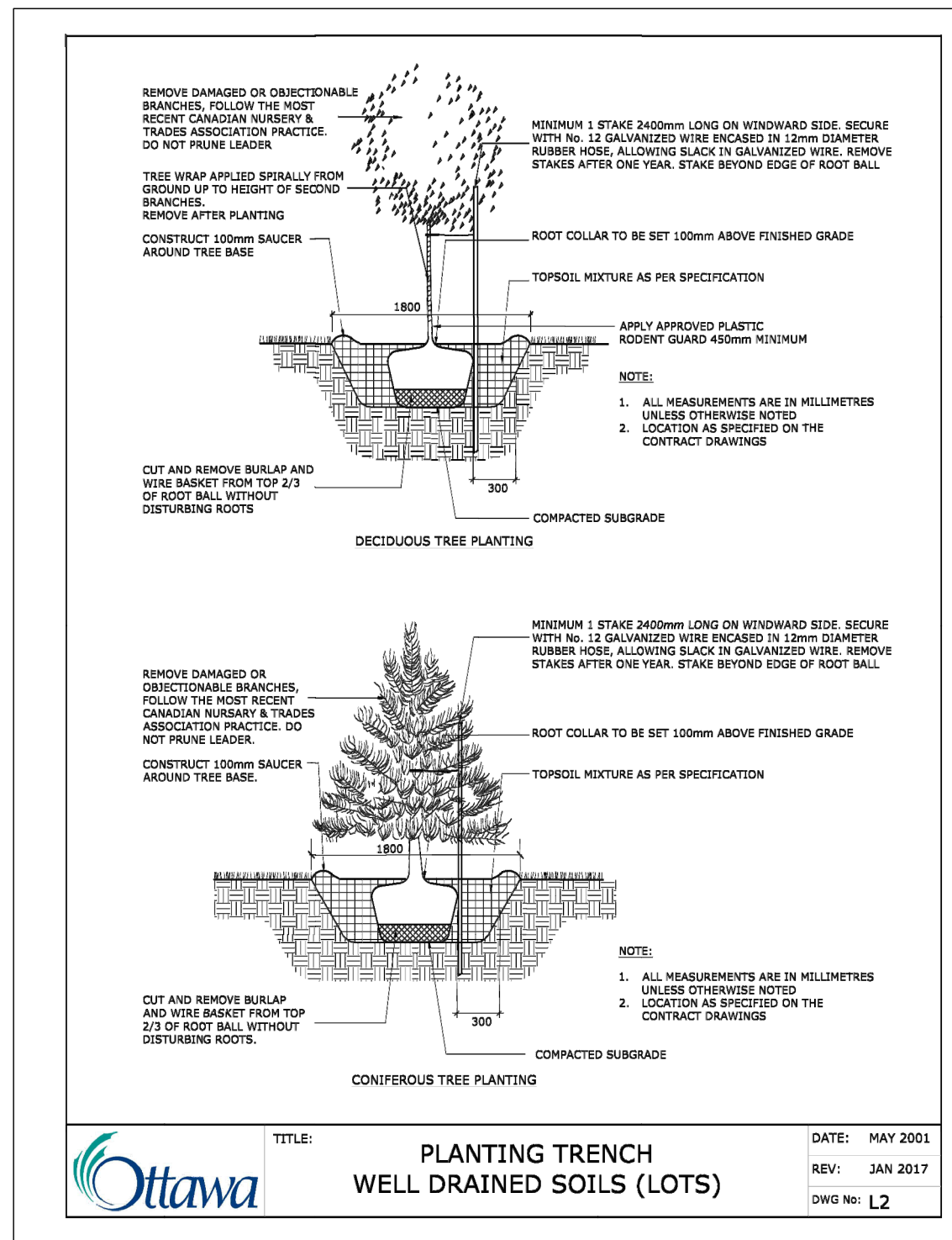
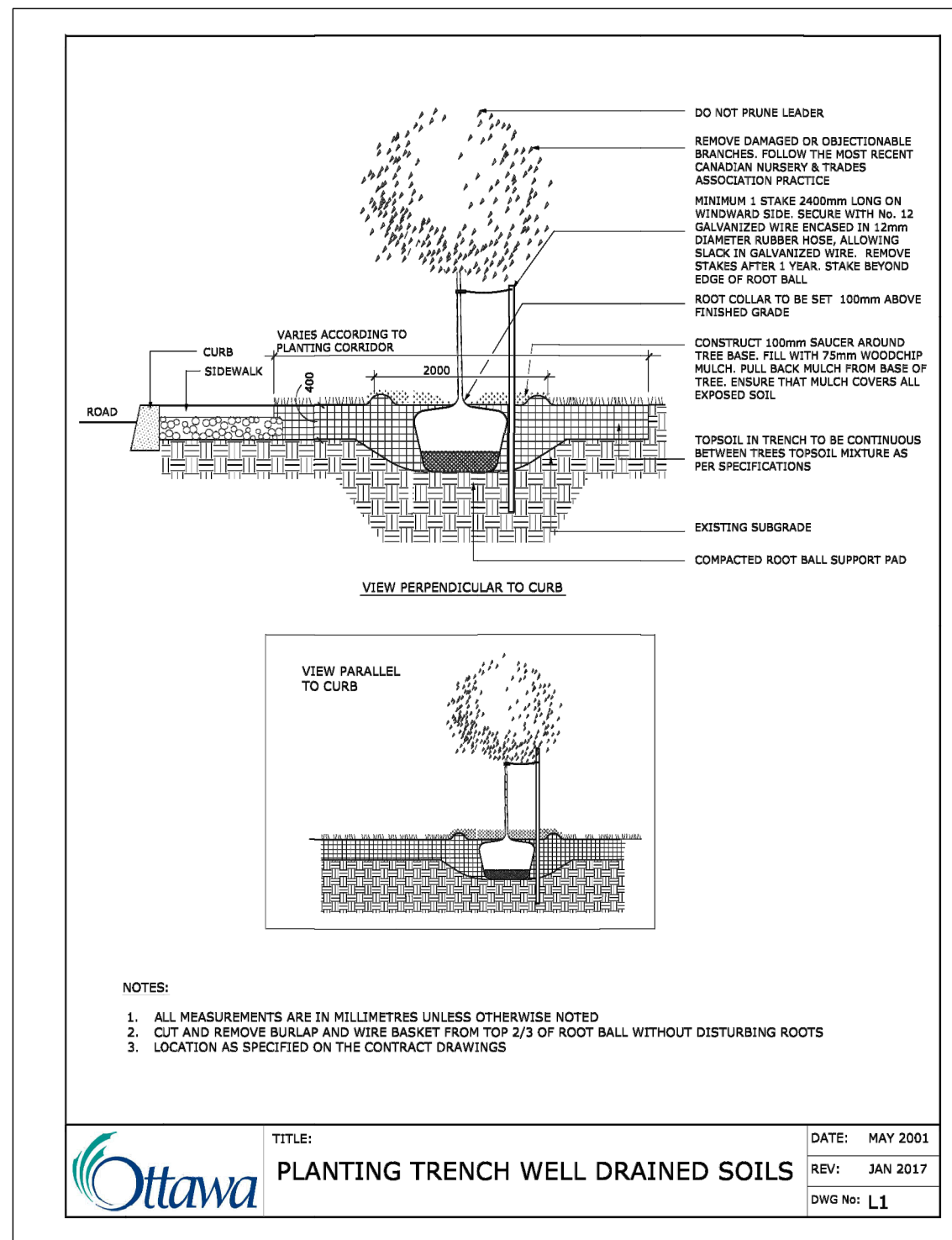
HERBACEOUS & WOODY VINES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL. (mm)	HT. (cm)	SPREAD (cm)	ROOTS (cm)	REMARKS
Lds	31	Lonicera x brownii 'Drapmore Scarlet'	Drapmore Honeysuckle	-	-	-	1 gal. pot.	-
Pqe	32	Parthenocissus quinqueloba 'Engelmanni'	Engelmann's Ivy	-	-	-	1 gal. pot.	-
Ptr	24	Parthenocissus tricuspidata	Boston Ivy	-	-	-	1 gal. pot.	-

GRASSES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL. (mm)	HT. (cm)	SPREAD (cm)	ROOTS (cm)	REMARKS
Ckl	18	Calamagrostis x acutiflora 'Carl Foerster'	Feather Reed Grass	-	-	-	1 gal. pot.	-
Hs	57	Helicotrichon sempervirens	Blue Owl Grass	-	-	-	1 gal. pot.	-
Pvh	28	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	-	-	-	1 gal. pot.	-
Pvo	10	Panicum virgatum 'Rotstrahlbusch'	Rotstrahlbusch Switch Grass	-	-	-	1 gal. pot.	-

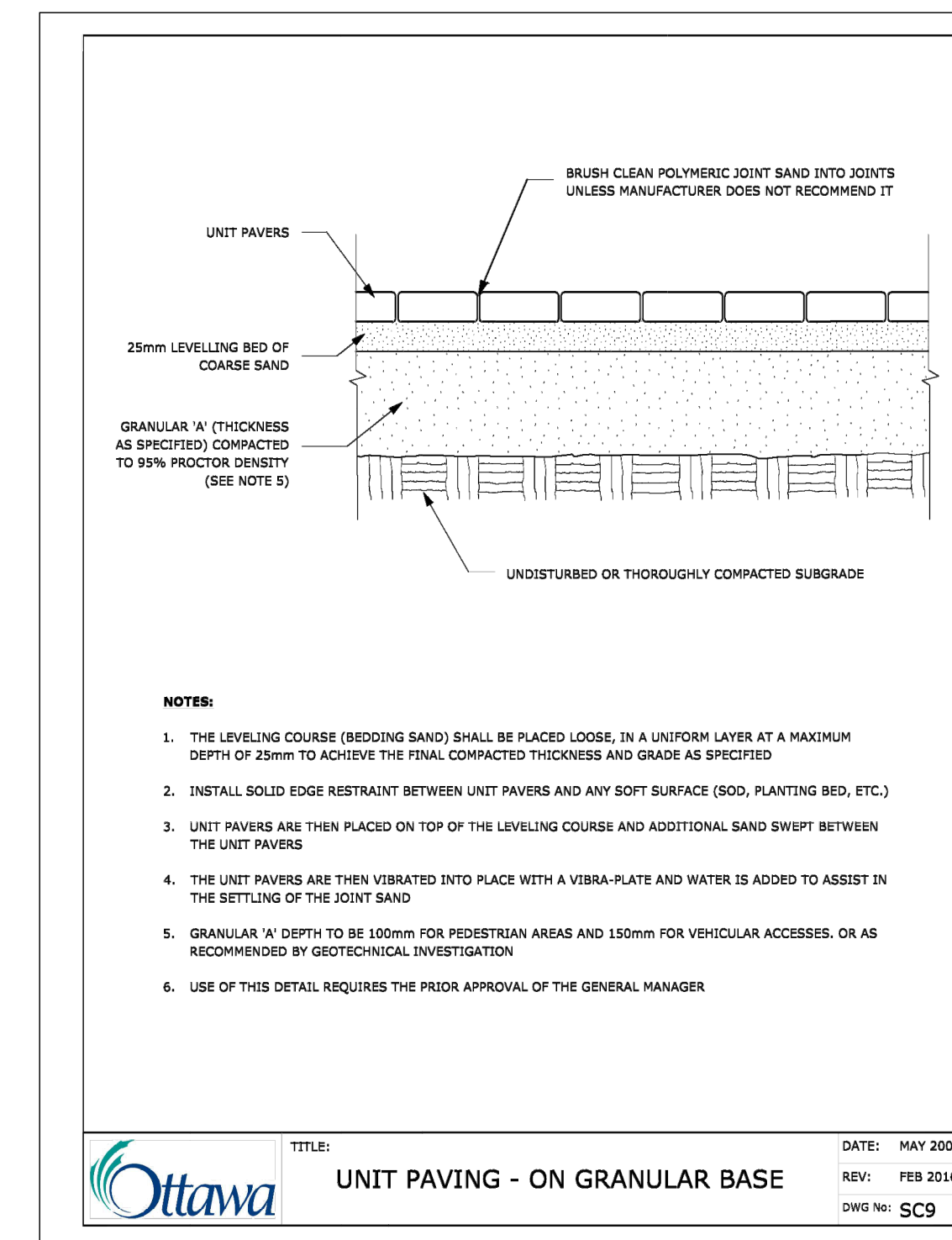
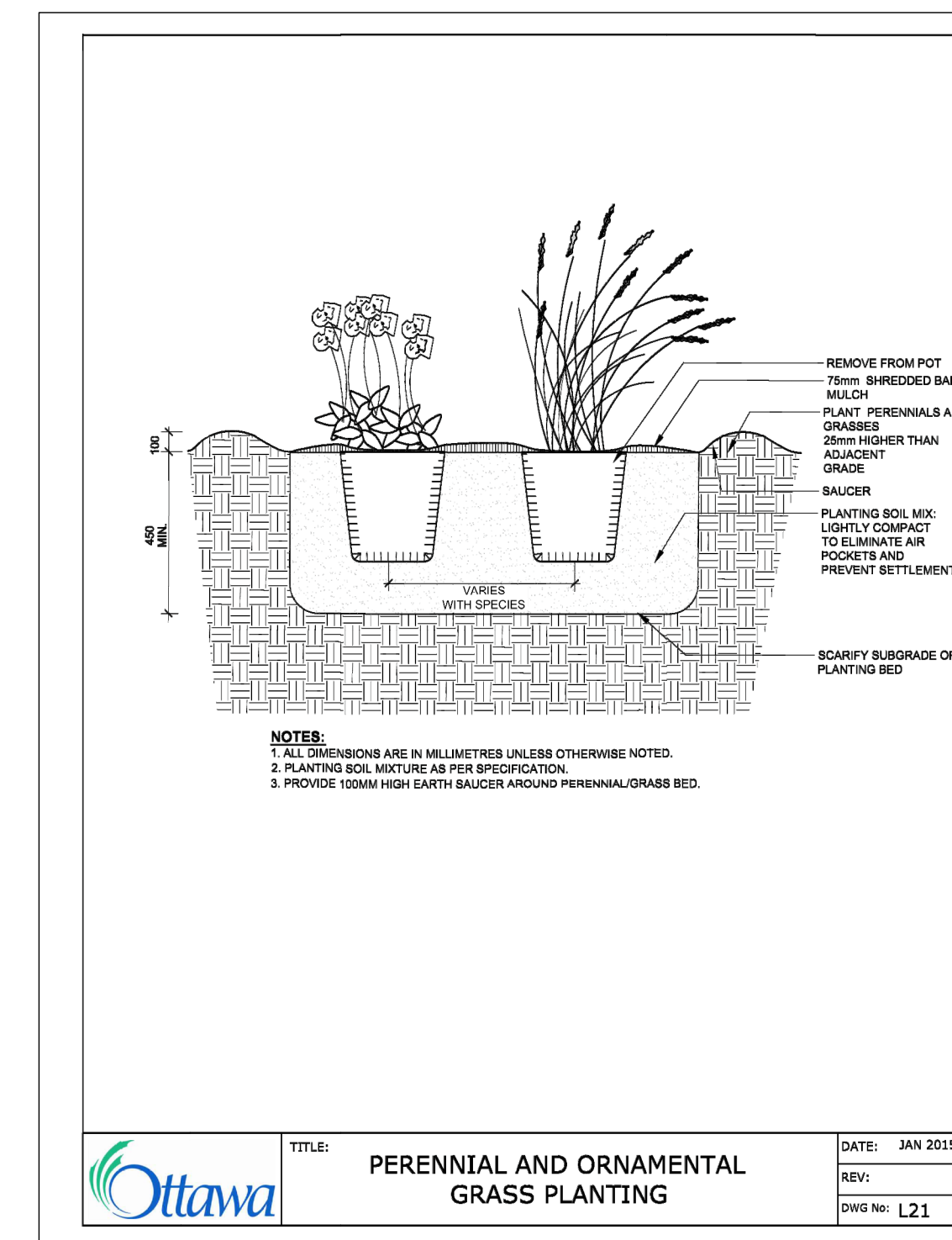




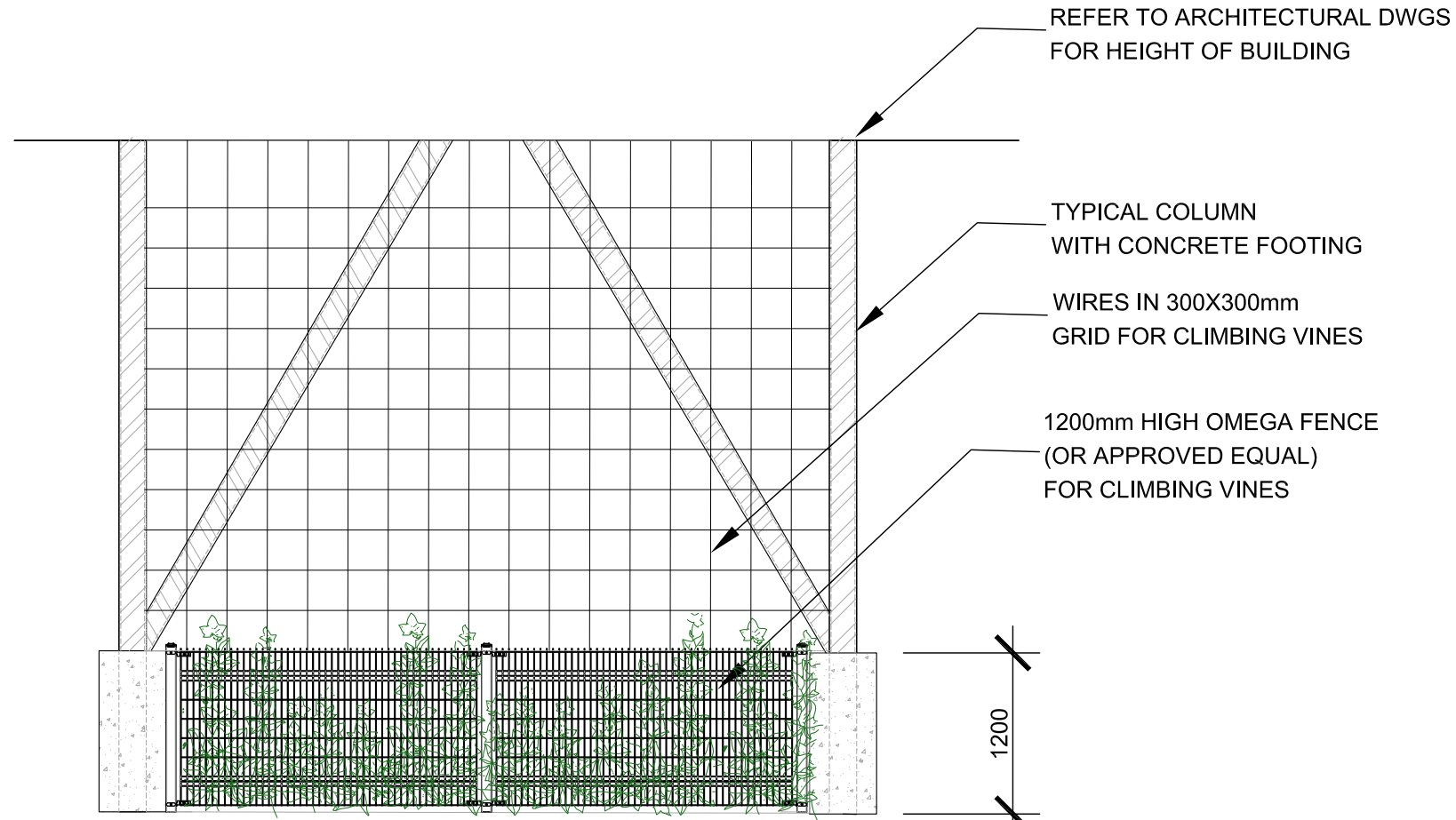
MODIFIED - ONLY ONE STAKE AT WINDWARD SIDE OF TREES

TREE SOIL VOLUME REQUIREMENT:
STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER 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 CONDUCTIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW THE SPECIFIED TOPSOIL DEPTH TO OBTAIN SOIL VOLUME DEPTH REQUIRED.



ADDITIONAL NOTES TO NUMBER 5:
REFER TO MECHANICAL DRAWINGS FOR PRECAST PAVERS DETAILS IN HEATED ZONES. THESE AREAS TO RECEIVE MINIMUM 200mm GRANULAR 'A'. FURTHER ADJUSTMENTS TO BE SPECIFIED IN RELATION TO SITE CONDITIONS AND GEOTECHNICAL RECOMMENDATIONS.



1 1200mm HIGH OMEGA FENCE AND WIRES FOR BINE CLIMBING
D1 SCALE: 1:50

Ruhland & Associates Ltd
landscape architecture • urban design • site planning
Ph 613-228-4744 Fx 613-224-1131 info@rala.ca www.rala.ca

6			
5			
4			
3			
2	Issued for SPA Submission	23-05-03	MR
1	Issued for Site plan Control	22-11-21	MR

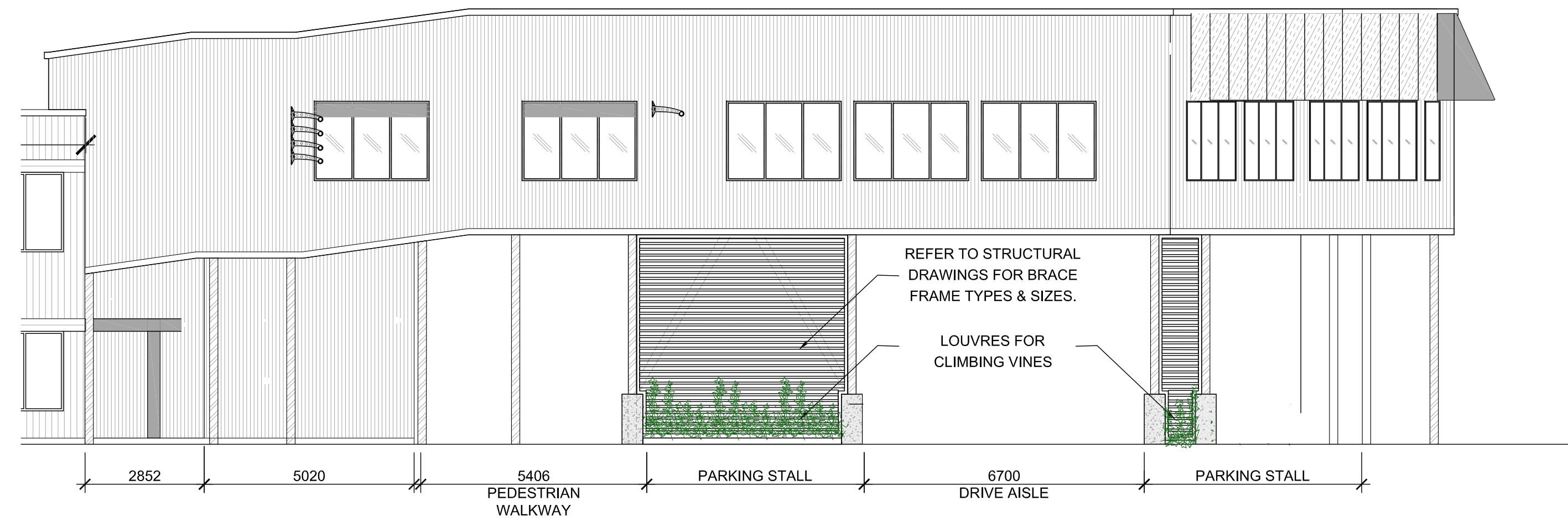
DESIGNED BY / CONSULTANT	CHECKED BY / NURSERY PAR
M RUHLAND	M RUHLAND
DRAWN BY / DESIGNE PAR	
H P	

ARCHITECT	CONSULTANT
CONSULTANT	CONSULTANT

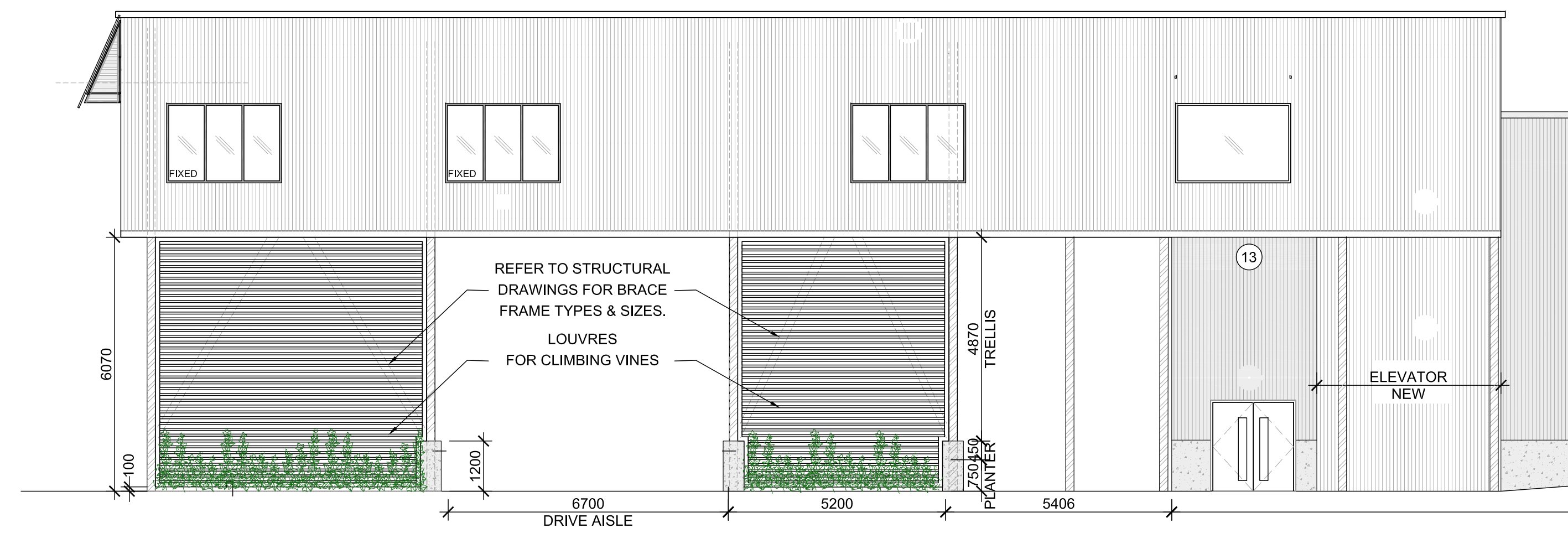
PROJECT / LOCATION
IRIDIAN SPECTRAL TECHNOLOGIES EXPANSION
2700 SWANSEA CRESCENT OTTAWA, ON

DRAWING
LANDSCAPE DETAILS

DATE	JULY 2022	SHEET NO.	D-1
PROJECT NO.	22-1677		



1 LOUVRES FOR CLIMBING VINES - WEST ELEVATION
D2 SCALE: 1:100



2 LOUVRES FOR CLIMBING VINES - EAST ELEVATION
D2 SCALE: 1:100



6			
5			
4			
3			
2	Issued for SPA Submission	23-05-03	MR
1	Issued for Site plan Control	22-11-21	MR

DESIGNED BY / CONCIPIER M RUHLAND	CHECKED BY / VERIFIE PAR M RUHLAND
DRAWN BY / DESINE PAR H P	

SCALE / ECHELLE

ARCHITECT	CONSULTANT
CONSULTANT	CONSULTANT

PROJECT / LOCATION
IRIDIAN SPECTRAL TECHNOLOGIES EXPANSION
2700 SWANSEA CRESCENT
OTTAWA, ON

DRAWING
LANDSCAPE DETAILS

DATE JULY 2022	SHEET NO. D-2
PROJECT NO. 22-1677	

D07-12-22-0179
#18925