

Plant List					
Origin	ID	Qty	Botanical Name	Common Name	Scheduled S
28 LARGE DECIDUOUS TREES					
Niv	As	5	Acer saccharum	Sugar Maple	70mm caliper
Niv	Co	9	Celtis occidentalis	Common Hackberry	60mm caliper
Niv	Cov	2	Carya ovata	Shagbark Hickory	60mm caliper
Non Niv	GbAG	3	Ginkgo biloba 'Autumn Gold'	Autumn Gold Maidenhair Tree	70mm caliper
Niv	Qm	5	Quercus macrocarpa	Burr Oak	70mm caliper
Niv	Qr	4	Quercus rubra	Northern Red Oak	70mm caliper
12 LARGE COLUMNAR DECIDUOUS TREES					
Niv H	ArAS	2	Acer rubrum 'Autumn Spire'	Autumn Spire Red Maple	60mm caliper
Niv	CoPS	3	Celtis occidentalis 'Prairie Sentinel'	Prairie Sentinel Hackberry	70mm caliper
Niv	GiD	7	Gleditsia triacanthos inermis 'Draves'	Streetkeeper Honeylocust	70mm caliper
29 MEDIUM DECIDUOUS TREES					
Niv	Ag	5	Asclepias glabra	Ohio Buckeye	50mm caliper
Niv	Bp	2	Betula papyrifera	Paper Birch	60mm caliper
Non N	MD	3	Malus 'Doig'	Malus Doig	60mm caliper
Non N	Ov	6	Ostrya virginiana	Ironwood	50mm caliper
Niv	Sd	4	Sorbus Americana	Mountain Ash	45mm caliper
Niv	Ta	3	Tilia americana	Basswood	70mm cal.
Non Niv	UF	6	Ulmus minor x parvifolia 'Frontier'	Frontier Elm	70mm caliper
5 SMALL DECIDUOUS TREES					
Niv	CcgC	5	Crataegus crus-galli inermis 'Cruzam'	Thornless Crusader Cockspur Hawthorn	45mm caliper
18 CONIFEROUS TREES					
Niv	Ab	4	Abies balsamea	Balsam Fir	200 cm ht
Niv	Pg	7	Picea glauca	White Spruce	200 cm ht
Niv	Pr	2	Pinus resinosa	Red Pine	200cm ht
Niv	Ps	5	Pinus strobus	Eastern White Pine	200 cm ht.

TREES UNDER CITY OWNERSHIP = 12, UNDER PRIVATE OWNERSHIP = 71

Shrubs						
ToH	60	Thuja occidentalis 'Holmstrup'	Holmstrup Cedar	125cm ht	Potted	
Perennials						
Hs	90	Helictrochon sempervrens	Ornamental Oats	3 year	Potted	
CaKF	120	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	3 year	Potted	

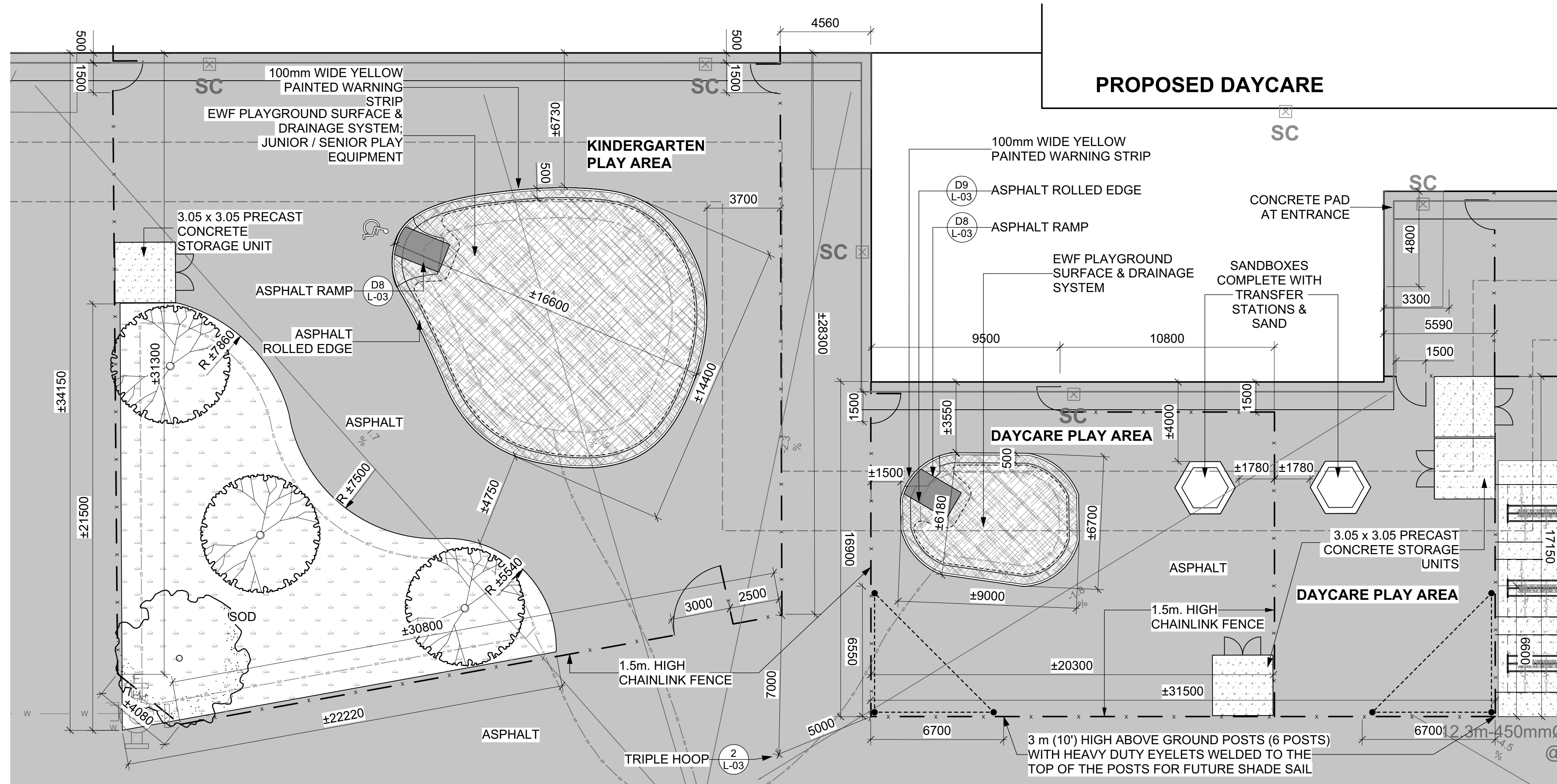
NOTE:
SITE SERVICING ELEMENTS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY.
SEE CIVIL DRAWINGS FOR SITE SERVICING / GRADING.

PLAN TO BE READ IN CONJUNCTION WITH 'TREE CONSERVATION REPORT FOR 700 SPRING VALLEY, OTTAWA ON' JULY 08, 2024 BY Andrew K. Boyd, Certified Arborist #ON-0496A, IFS Associates.

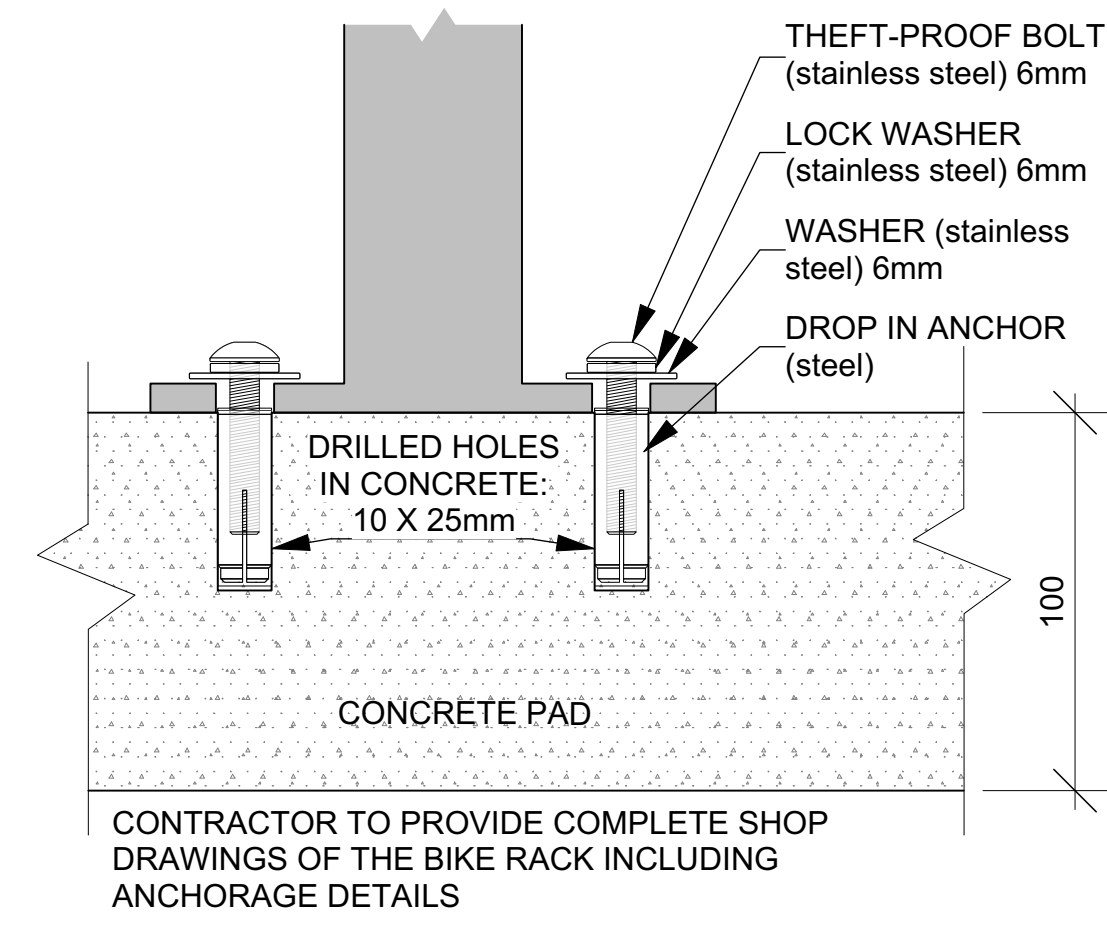
TRANSPLANTING & REFORESTATION NOTES
TRANSPLANTING OF TREES TO BE COMPLETED AT THE PROJECT STARTUP, IDEALLY IN FALL.

BASE CONTRACT: ASSUME ALL THE TREES CAN BE TRANSPLANTED. IF NOT THEN A MEDIUM TO LARGE NATIVE DECIDUOUS TREE (70CM CALIPER) FROM THE PLANT LIST SHOULD BE PLANTED INSTEAD.

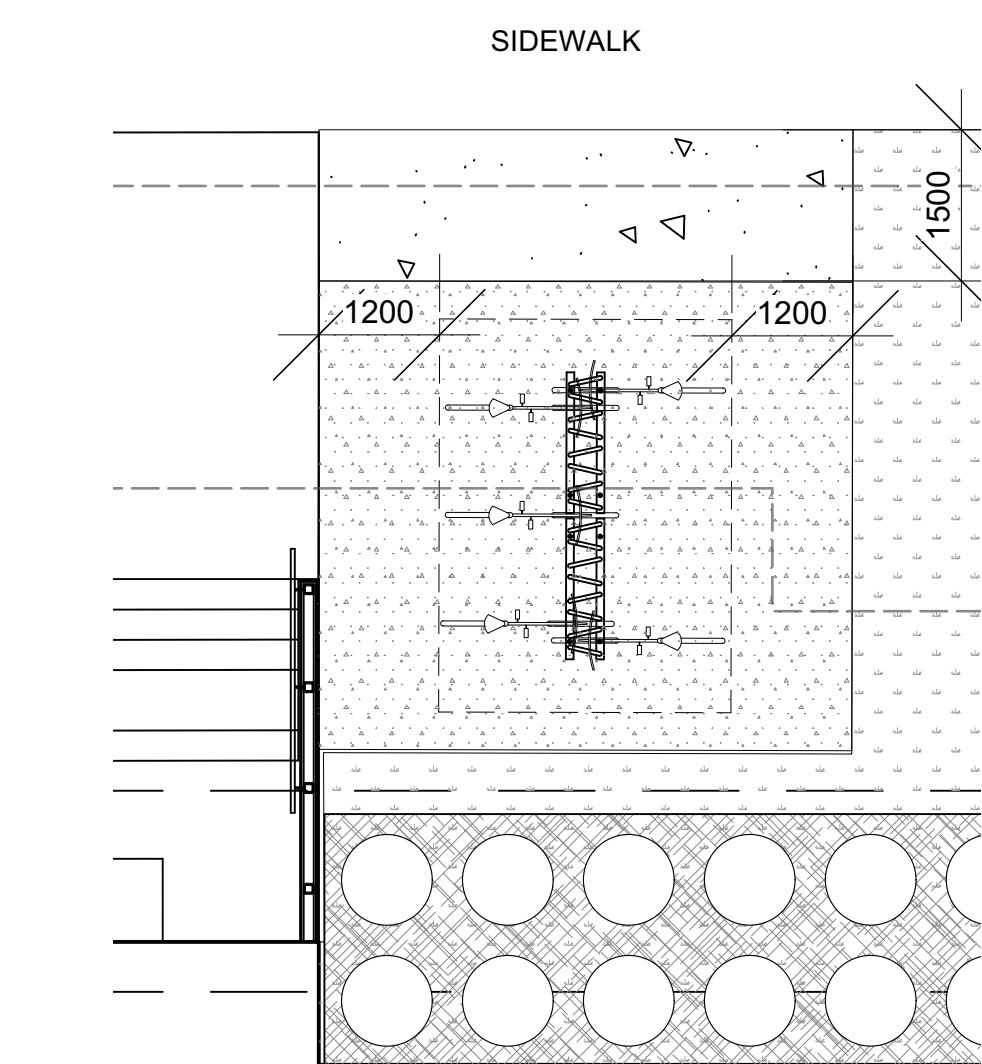
1 LANDSCAPE PLAN
Scale: 1:400



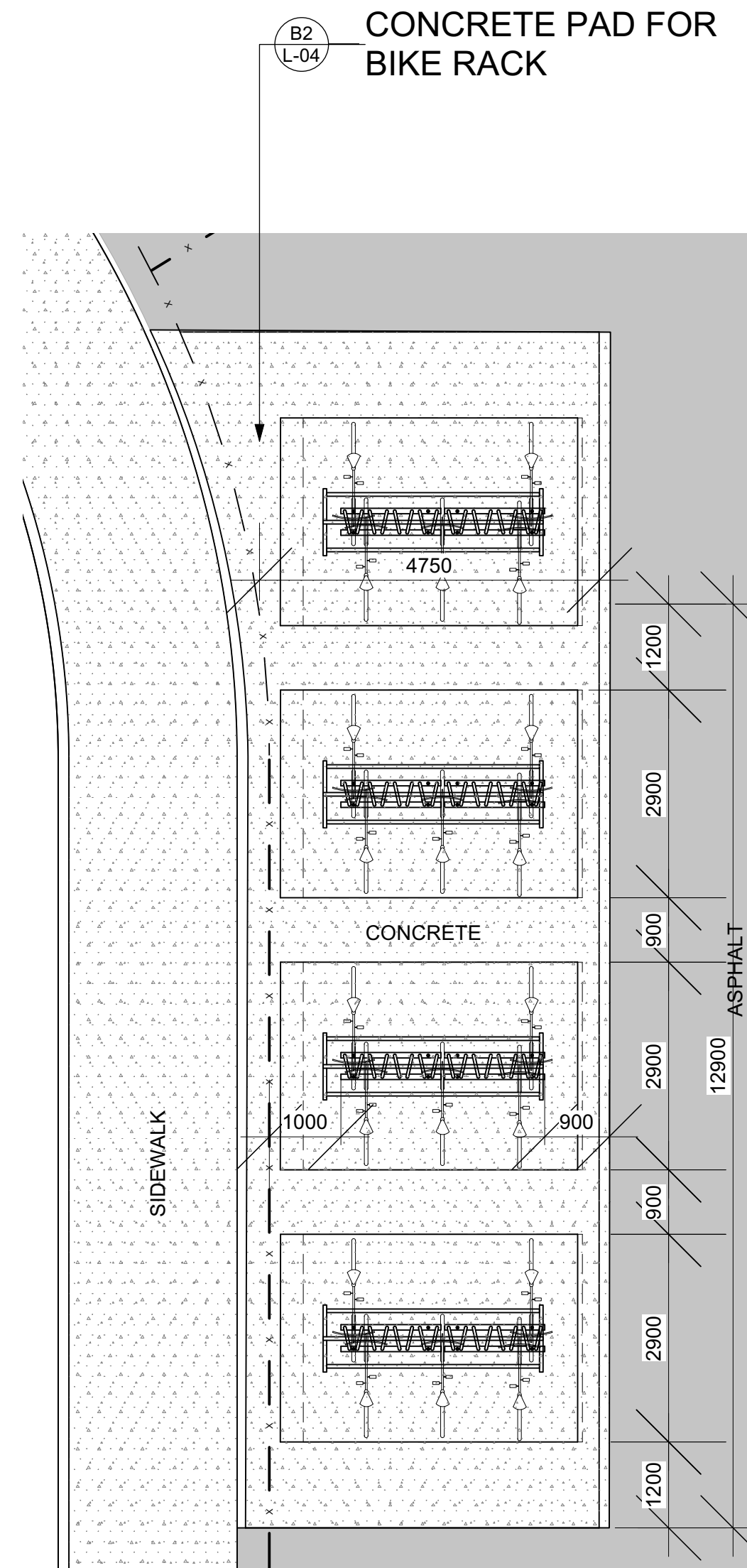
2 ENLARGEMENT - KINDERGARTEN & DAYCARE PLAY AREA
Scale: 1:150



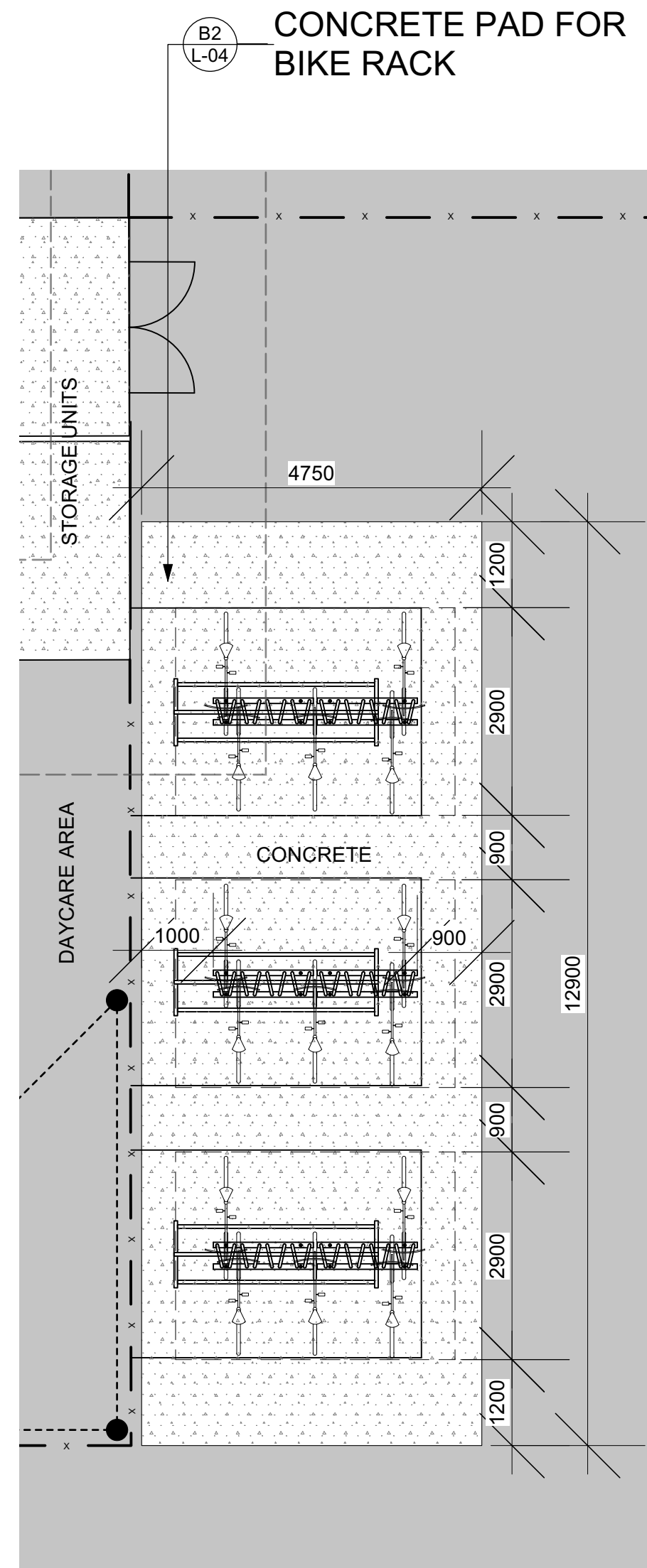
B1 BIKE RACK ANCHORING
Scale: NTS



EN-1 ENLARGEMENT - BIKE RACK 1
Scale: NTS
4 BIKE RACKS - EQUIPARC EP5911-7, 30 BIKES



EN-2 ENLARGEMENT - BIKE RACK 2
Scale: NTS
6 BIKE RACKS - EQUIPARC EP5911-7, 45 BIKES



EN-3 ENLARGEMENT - BIKE RACK 3
Scale: NTS
6 BIKE RACKS - EQUIPARC EP5911-7, 45 BIKES



GENERAL NOTES

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- Maintain positive surface runoff through the entire construction period.
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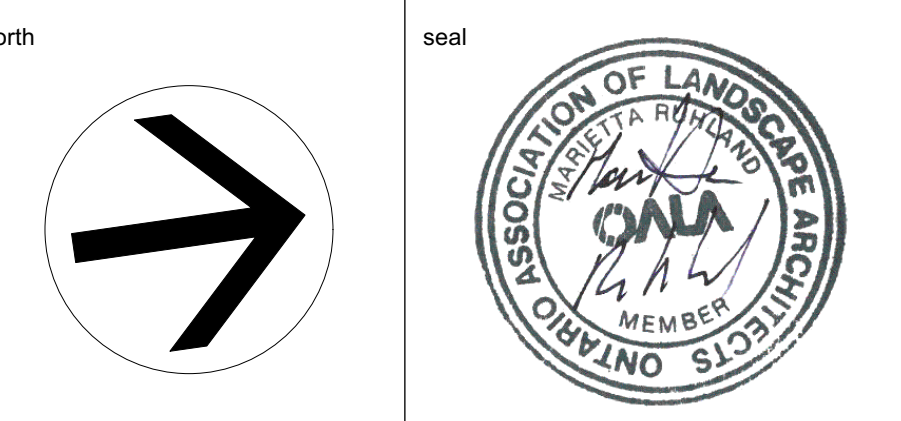


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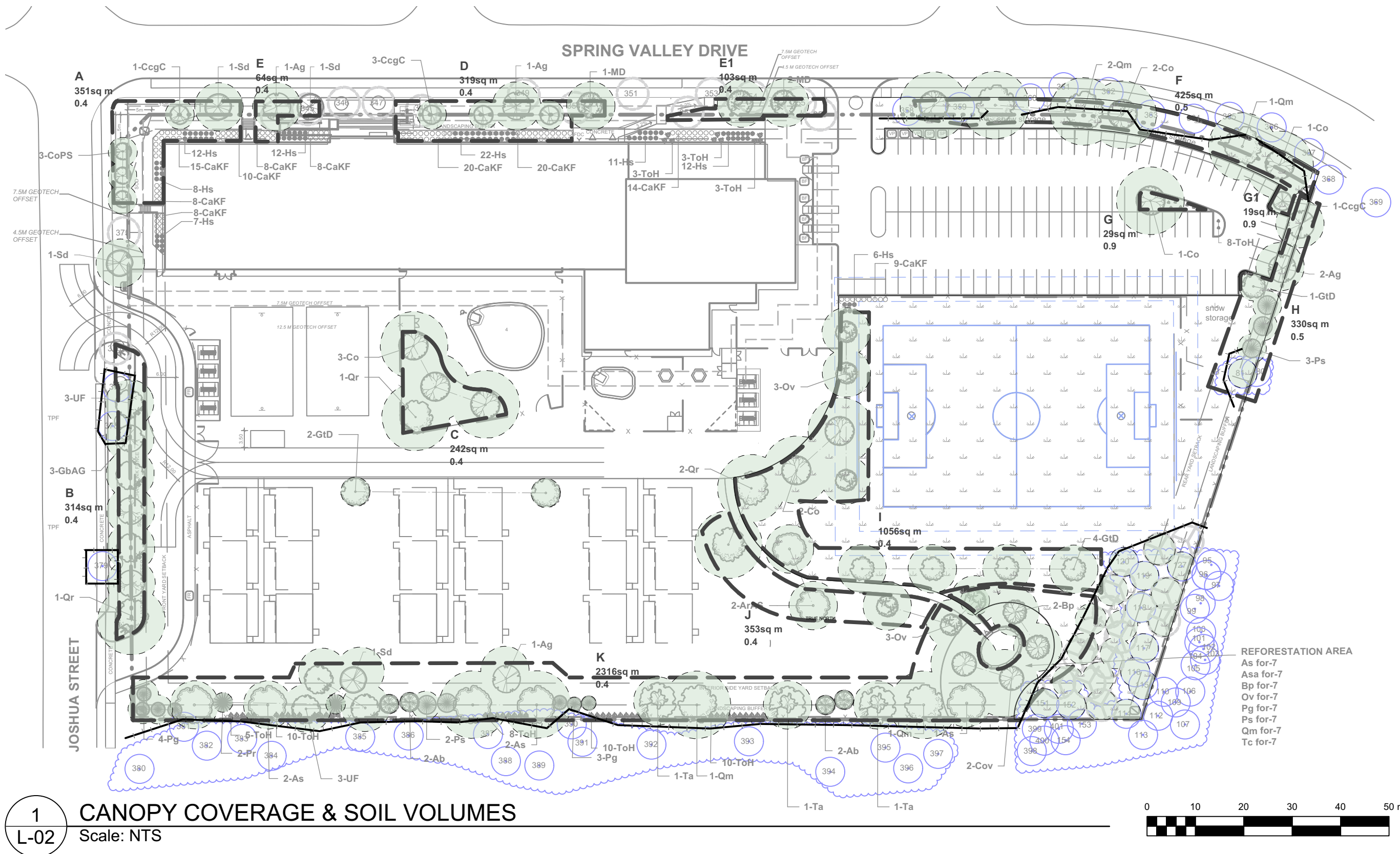
N45 ARCHITECTURE INC.
71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N2
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Ph: 613-224-4244 Fx: 613-224-4331 info@rala.ca www.rala.ca

East Urban Centre Elementary School
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Ottawa, ON, K1W 0H2.



LANDSCAPE PLAN			
scale	As Shown	drawn by	D.A.
date	2025-02-25	checked by	M.R.
project number	N45 24-828	drawing number	
RA	24-1743		
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES			
DO NOT SCALE DRAWINGS			



- LEGEND**
- EXISTING TREES TO BE PRESERVED
 - EXISTING TREES TO BE TRANSPLANTED
 - TRANSPLANTED TREE
 - PROPOSED PLANTING
 - TREE PROTECTION FENCE (TPF)

TREE CANOPY COVERAGE			
TOTAL CANOPY AREA	7112	m2	
TOTAL SITE AREA	28345	m2	
PERCENT COVERAGE	25.09%		

Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m³)	Design Soil Volume	Soil Adequacy percentage	%Soil to be supplied by contractor
AREA A - 1 Medium, 1 Small, 3 L - Columnar Trees					SEE NOTE
plant bed (351 sq m x 0.4 ave metre deep)	5	87.0	140.4	161%	2
AREA B - 1 Large, 6 Medium, 2 Ex. Trees					SEE NOTE
plant bed (314 sq m x 0.4 ave metre deep)	8	144.0	125.6	87%	2
AREA C - 4 Large Trees					SEE NOTE
plant bed (242 sq m x 0.4 ave metre deep)	4	72.0	96.8	134%	1
AREA D - 3 Small, 2 Medium Trees					SEE NOTE
plant bed (319 sq m x 0.4 ave metre deep)	4	66.0	127.6	193%	2
AREA E - 1 Medium Tree					SEE NOTE
plant bed (61 sq m x 0.7 ave metre deep)	2	36.0	42.7	119%	2
AREA E1 - 2 Medium Trees					SEE NOTE
plant bed (103 sq m x 0.4 ave metre deep)	2	36.0	41.2	114%	2
AREA F - 6 Large, 3 Ex. Trees					SEE NOTE
plant bed (425 sq m x 0.4 ave metre deep)	6	108.0	170.0	157%	2
AREA G - 1 Large Tree					SEE NOTE
plant bed (29.5 sq m x 1.2ave metre deep)	1	30.0	35.4	118%	1
AREA G1 - 1 Small Tree					SEE NOTE
plant bed (19 sq m x 1.1ave metre deep)	1	25.0	20.9	84%	1
AREA H - 3 Medium Trees, 3 Conifers					SEE NOTE
plant bed (330 sq m x 0.4ave metre deep)	6	108.0	132.0	122%	3
AREA I - 3 Large, 8 Medium Trees					SEE NOTE
plant bed (1056 sq m x 0.4ave metre deep)	11	198.0	422.4	213%	4
AREA J - 1 Large, 2 Medium Trees					SEE NOTE
plant bed (353 sq m x 0.4ave metre deep)	3	54.0	141.2	261%	4
AREA K - 8 Large, 13 Medium Trees, 13 Con.					SEE NOTE
plant bed (2316 sq m x 0.4ave metre deep)	28	504.0	926.4	184%	4

* 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

Reforestation Trees				
As for	7	Acer saccharum	Sugar Maple	150 cm ht.
Asa for	7	Acer rubrum	Red Maple	150 cm ht.
Bp for	7	Betulus papyrifera	White Birch	150 cm ht.
Ov for	7	Ostrya virginiana	American Hophornbeam	150 cm ht.
Pg for	7	Picea glauca	White Spruce	75 cm ht.
Ps for	7	Pinus strobus	White Pine	50 cm ht.
Qm for	7	Quercus macrocarpa	Bur Oak	150 cm ht.
Tc for	7	Tsuga canadensis	Canadian Hemlock	75 cm ht.

3 Reforestation Planting & Detail

Scale: NTS

NOTES:

1 WHERE SOIL VOLUMES ARE WITHIN EXCAVATED DEVELOPMENT AREA:

PROVIDE 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.

2 WHERE SOIL VOLUMES INCLUDE SOIL VOLUMES IN R.O.W. AT PROPERTY LINE

R.O.W. AND WITHIN SUBJECT PROPERTY.

ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET WITHIN THE R.O.W. AREA. REINSTATE ANY DISTURBED AREAS IN R.O.W. OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.

PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME CHART) AT ALL DISTURBED AREAS WHERE EXISTING SOILS ARE REMOVED, OR WHERE EXISTING SOILS ARE NOT CONDUCTIVE TO PLANT GROWTH.

ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE R.O.W. 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 FURTHER DEPTH OF 300mm.

BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCTIVE TO PLANT GROWTH.

3 WHERE SOIL VOLUMES INCLUDE SOIL VOLUMES ON ADJACENT PROPERTY AT PROPERTY LINE

ADJACENT PROPERTY AND WITHIN SUBJECT PROPERTY.

ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET WITHIN THE ADJACENT PROPERTY AREA. REINSTATE ANY DISTURBED AREAS ON ADJACENT PROPERTY OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.

PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME CHART) AT ALL DISTURBED AREAS WHERE EXISTING SOILS ARE REMOVED, OR WHERE EXISTING SOILS ARE NOT CONDUCTIVE TO PLANT GROWTH.

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4 AREAS NEAR SOCCER FIELD AND OUTDOOR CLASSROOM

ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET, REINSTATE ANY DISTURBED AREAS ON ADJACENT PROPERTY OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.

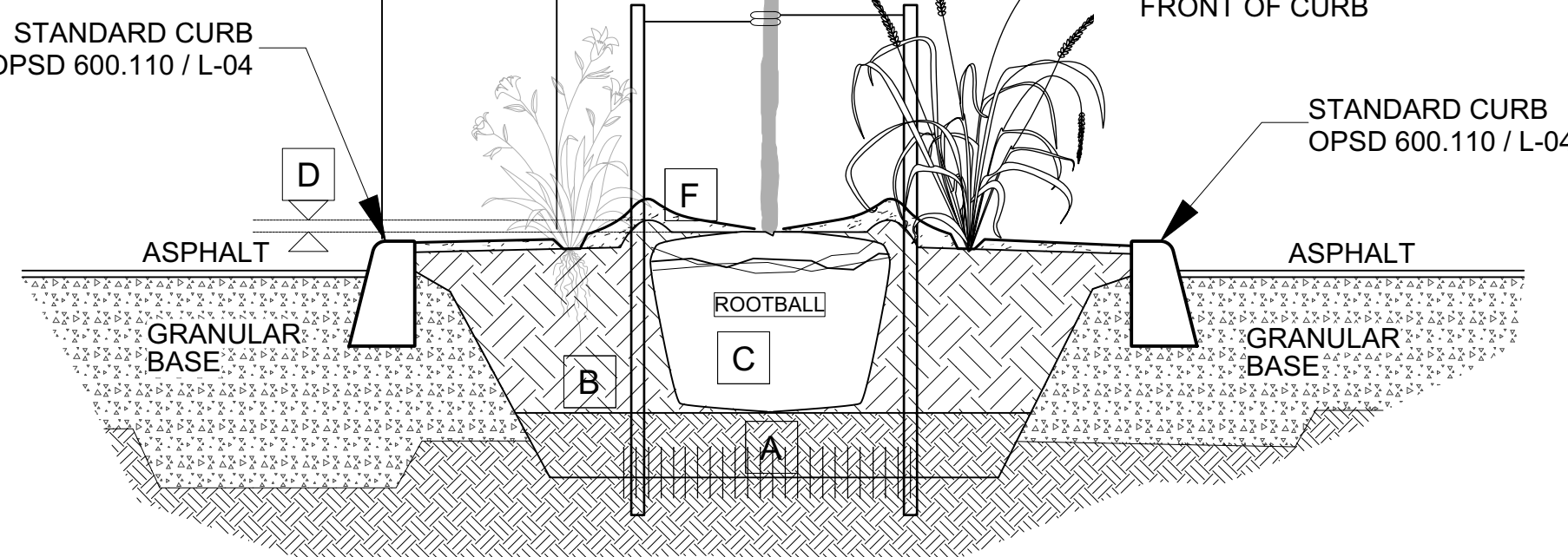
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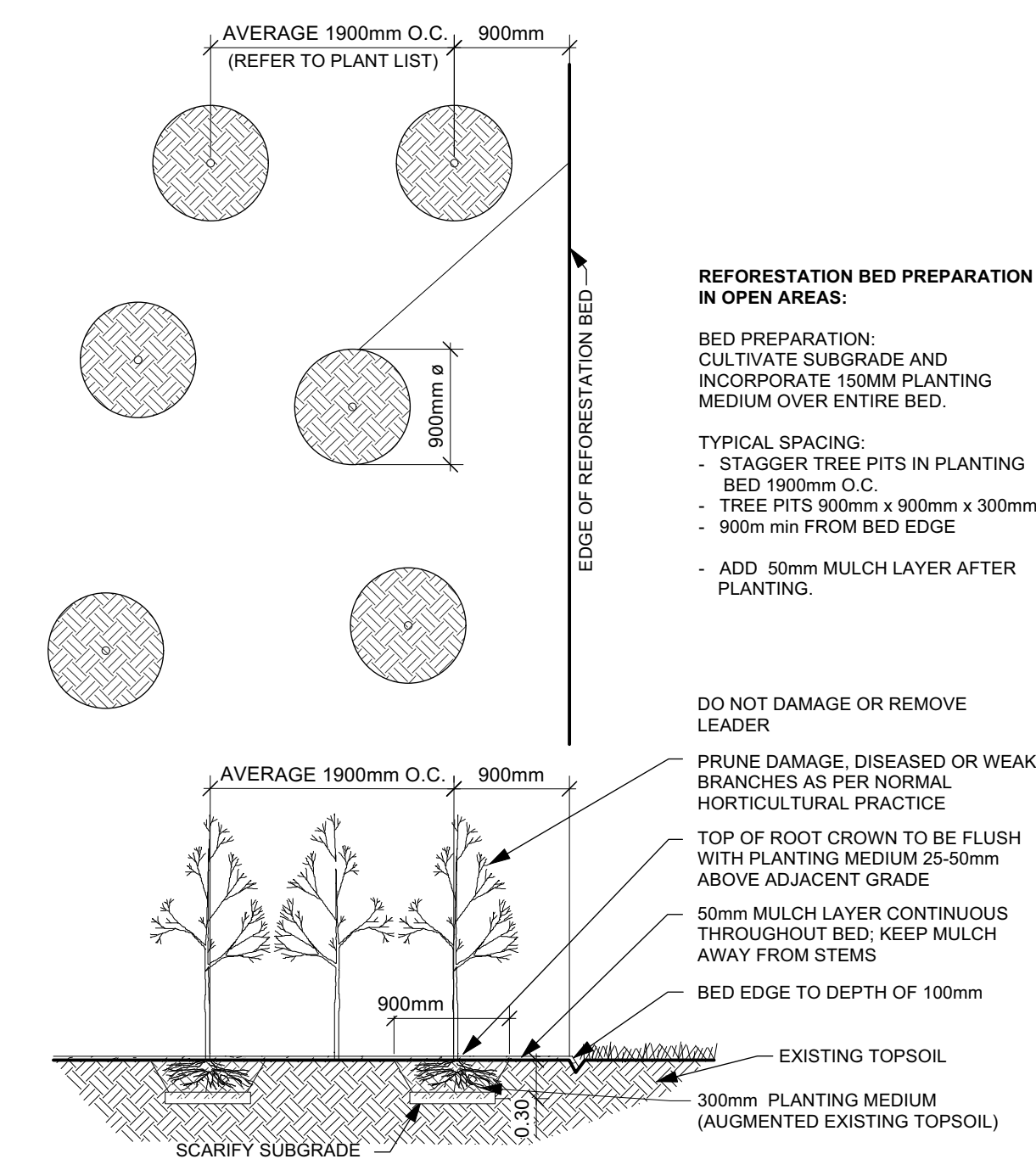
Bed Preparation

- EXCAVATE OR PLACE FILL FOR PLANTING BED TO PROVIDE 750mm MINIMUM DEPTH OF PLANTING MEDIUM AND 300mm MIN DEPTH SUBSOIL (CONTINUOUS BETWEEN TREES).
- WHERE DISTANCE BETWEEN CURB ALLOWS, EXTEND DEPTH OF SUBSOIL. SUBSOIL TO BE APPROVED FILL OR OPSS GRANULAR 'B' TYPE 1 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.

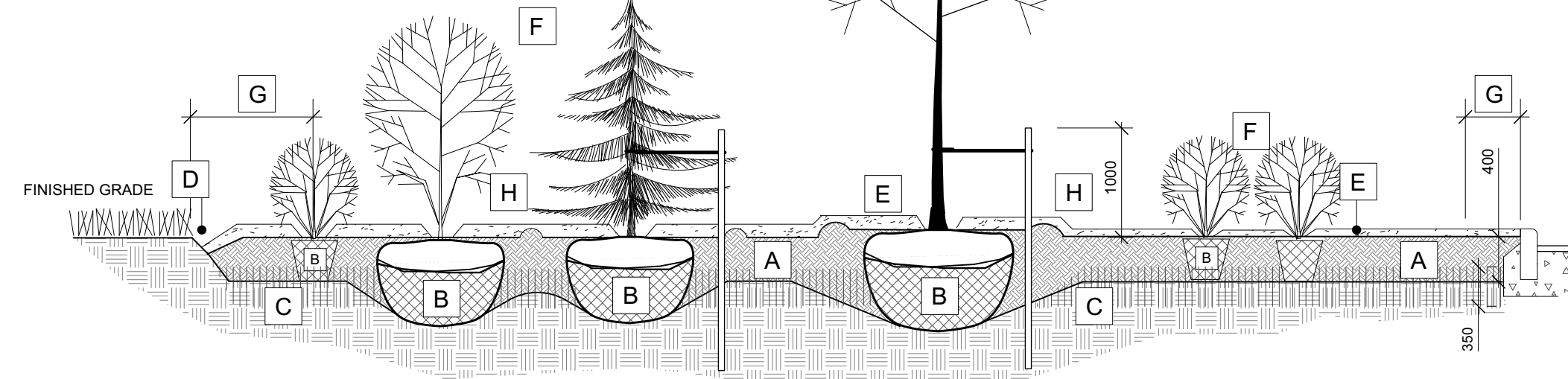


2 TREE & PERENNIAL PLANTING IN CURBED PLANTER

Scale: NTS



- 450mm COMPACTED PLANTING MEDIUM, DEEPEN AT TREES
- ROOTBALL, TOP OF ROOT CROWN TO BE FLUSH WITH PLANTING SOIL AND 50mm ABOVE SOIL OUTSIDE PLANTING PIT / POT.
- 350mm PLANTING MEDIUM / SUBSOIL CULTIVATED LAYER. CULTIVATE AT TREE PIT BOTTOM. SEE NOTE BELOW.
- EDGE TO DEPTH OF 100mm.
- 50-75 mm MULCH LAYER, KEEP MULCH AWAY FROM STEMS.
- PRUNE DAMAGE, DISEASED OR WEAK BRANCHES AS PER ACCEPTED HORTICULTURAL PRACTICE. DO NOT DAMAGE OR REMOVE LEADER.
- FIRST ROW OF PERENNIALS TO BE PLANTED 800mm FROM EDGE OF BED/CURB FIRST ROW OF SHRUBS TO BE PLANTED 900mm FROM EDGE OF BED/CURB
- PROVIDE 150 mm DEEP SAUCER AT TREES



BED PREPARATION

- EXCAVATE OR PLACE FILL FOR PLANTING BED TO PROVIDE 450mm MINIMUM DEPTH OF PLANTING MEDIUM. PLANTING BED TO BE DEEPENED AT TREE LOCATIONS. FILL OF PIT IS OVER. EXCAVATED, RAISE BOTTOM TO PROPER LEVEL WITH COMPACTED PLANTING MEDIUM.
- PLACE 150mm PLANTING MEDIUM ON SUBGRADE AND CULTIVATE INTO TOP 200mm OF SUBSOIL. SEE NOTE BELOW.
- PLACE REMAINDER OF PLANTING MEDIUM OVER CULTIVATED PORTION TO ACHIEVE FINAL GRADE.
- CENTRE OF BED TO BE CROWNED ABOVE ADJACENT GRADE TO APPROVAL OF CONSULTANT.
- ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING WALLS WHERE APPLICABLE.

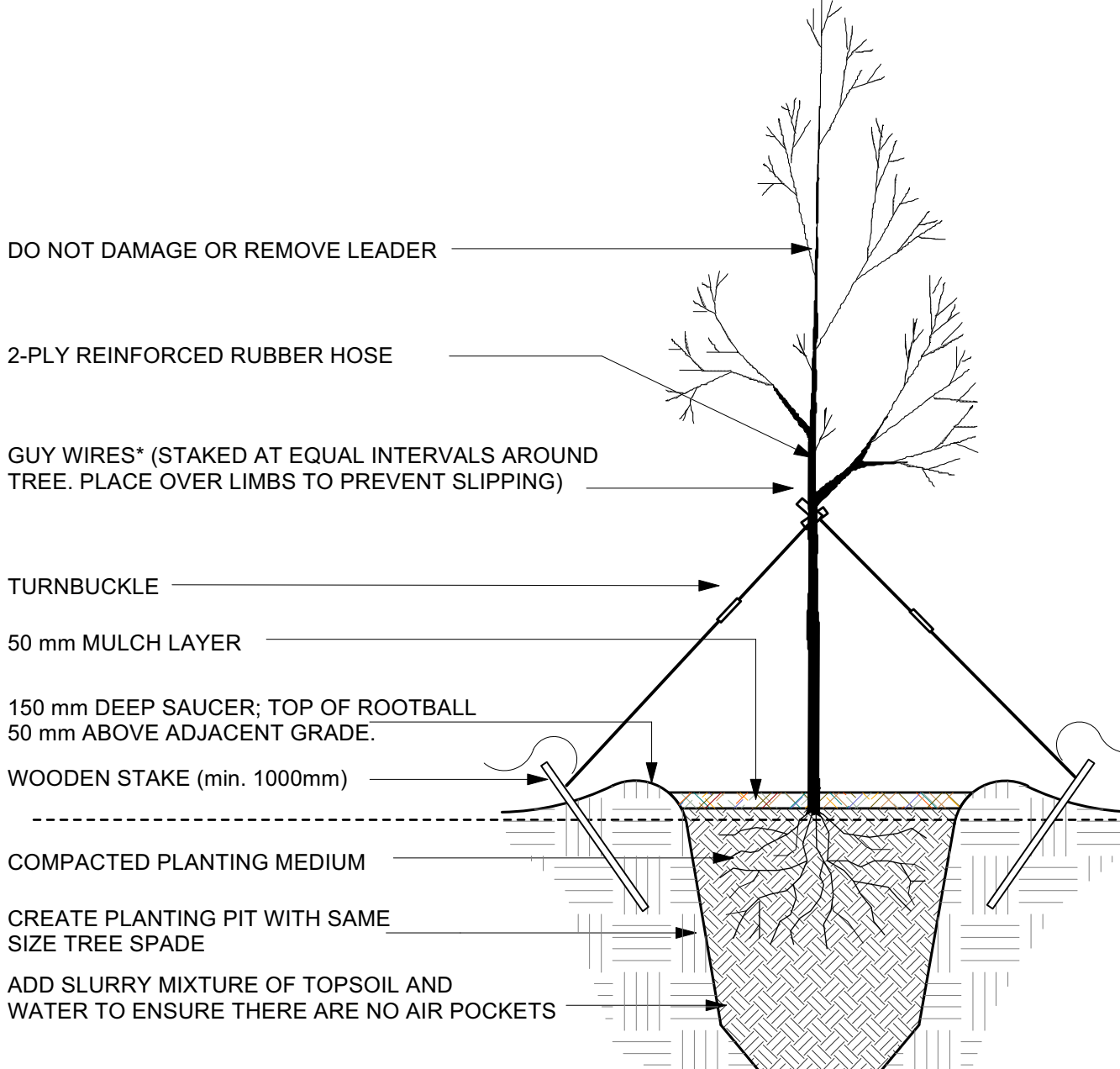
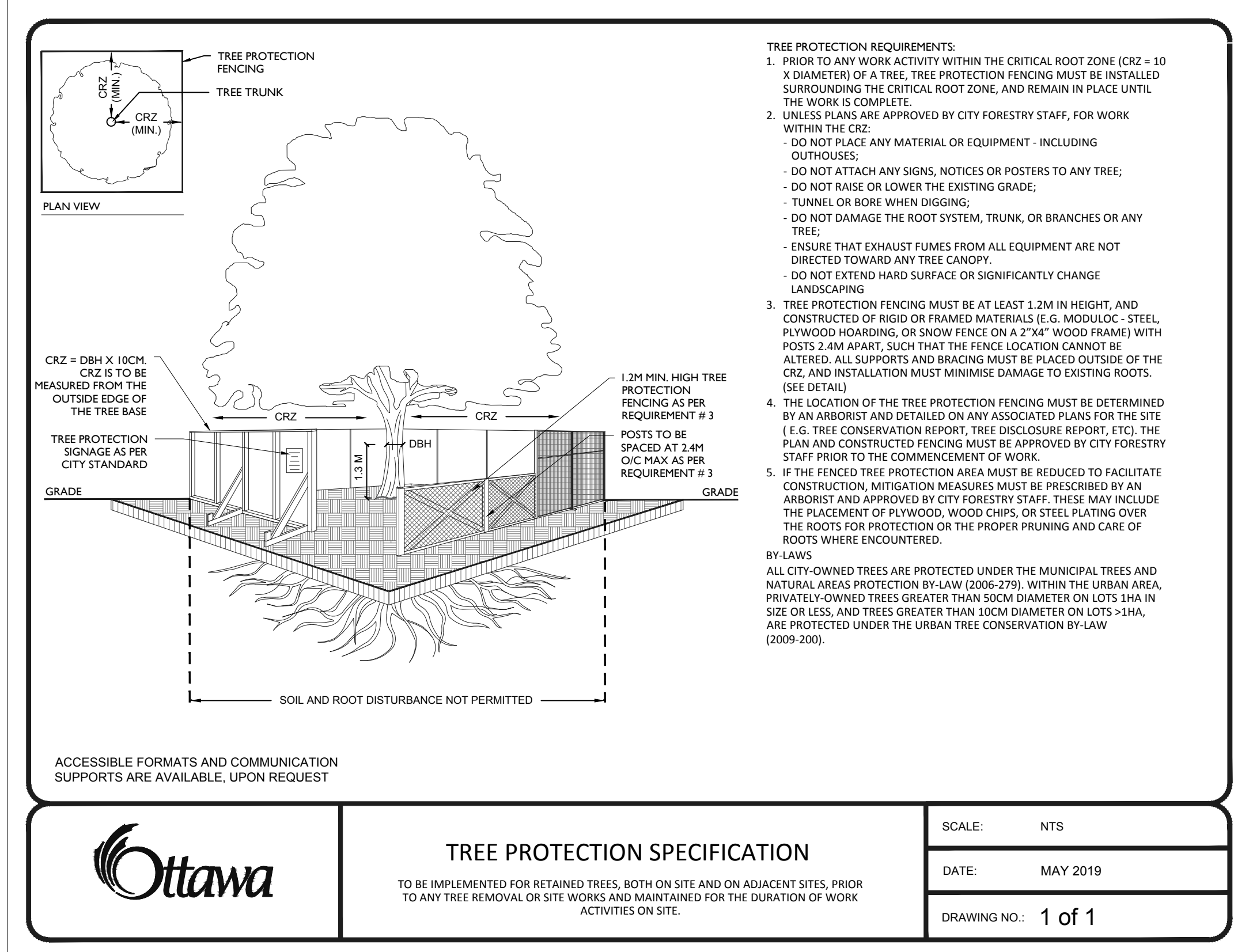
TREE PLANTING:

- CUT AND REMOVE TOP 2/3 OF BURLAP AND WIRE BASKET FROM ROOTBALL.
- PLACE 1-METAL POST (40 x 40 x 2100 mm) AT OUTSIDE OF ROOTBALL ON THE PREVAILING WIND SIDE AND FASTEN TO TRUNK WITH APPROVED TREE TIES.
- WATER THOROUGHLY SUBSEQUENT TO PLANTING AND THROUGHOUT THE WARRANTY PERIOD.
- WRAP TREE TRUNK AFTER INSPECTION OF TREES BY LANDSCAPE ARCHITECT.
- INSTALL RODENT GUARD AND PROTECT TREE FROM RODENT DAMAGE.
- REMOVE TREE RINGS, STAKES AND TRUNK WRAPPING AFTER WARRANTY PERIOD.
- ENSURE THAT ALL TREES MEET THEIR REQUIRED SETBACKS WHEN PLANTED AS PER CITY'S TREE PLANTING GUIDELINE (2006). DECIDUOUS SPECIES SHALL BE A MINIMUM 1.5 METERS AND CONIFEROUS SPECIES SHALL BE A MINIMUM OF 4.5 METER FROM ROADWAY, DRIVEWAY, SIDEWALK.

6 PLANTING DETAIL

Scale: NTS

- PLANTING BED AREAS EXCAVATED TO 500mm BELOW FINAL GRADE FOR ROUGH GRADE.
- REFER TO PLANT LIST FOR PLANT SPACING.

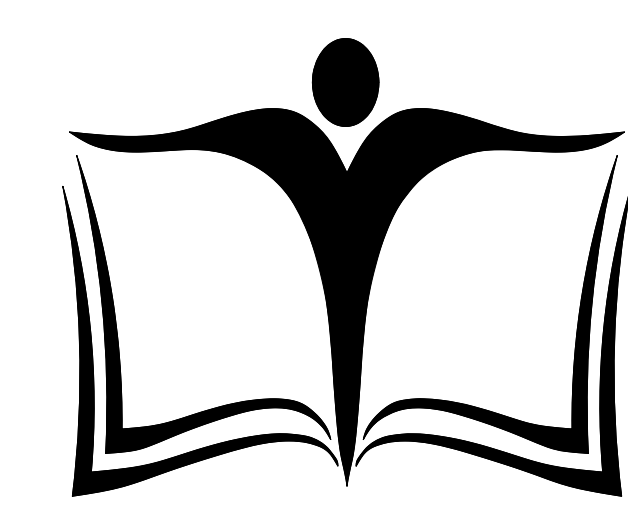


- FERTILIZE TREES AFTER PLANTING.
- WATER THOROUGHLY SUBSEQUENT TO PLANTING.
- WRAP TREE TRUNK FOR PROTECTION FROM CLIMATIC CONDITIONS.
- PROTECT TREE FROM RODENT DAMAGE.
- REMOVE TREE RING AND STAKES AFTER ONE YEAR.

- FOR TREES UP TO 150mm: PROVIDE 3 GUY WIRES OF 3mm.
- FOR TREES OVER 150mm: PROVIDE 3 GUY WIRES CONSISTING EACH OF 3 WIRES OF 4mm TWISTED TOGETHER.

4 TREE TRANSPLANTING DETAIL

Scale: NTS



OTTAWA - CARLETON
DISTRICT SCHOOL BOARD

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N45 ARCHITECTURE INC.

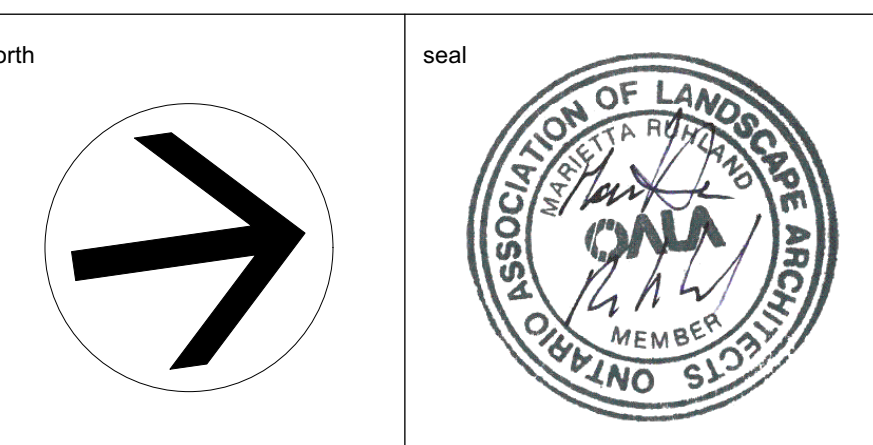
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East Urban Centre Elementary School

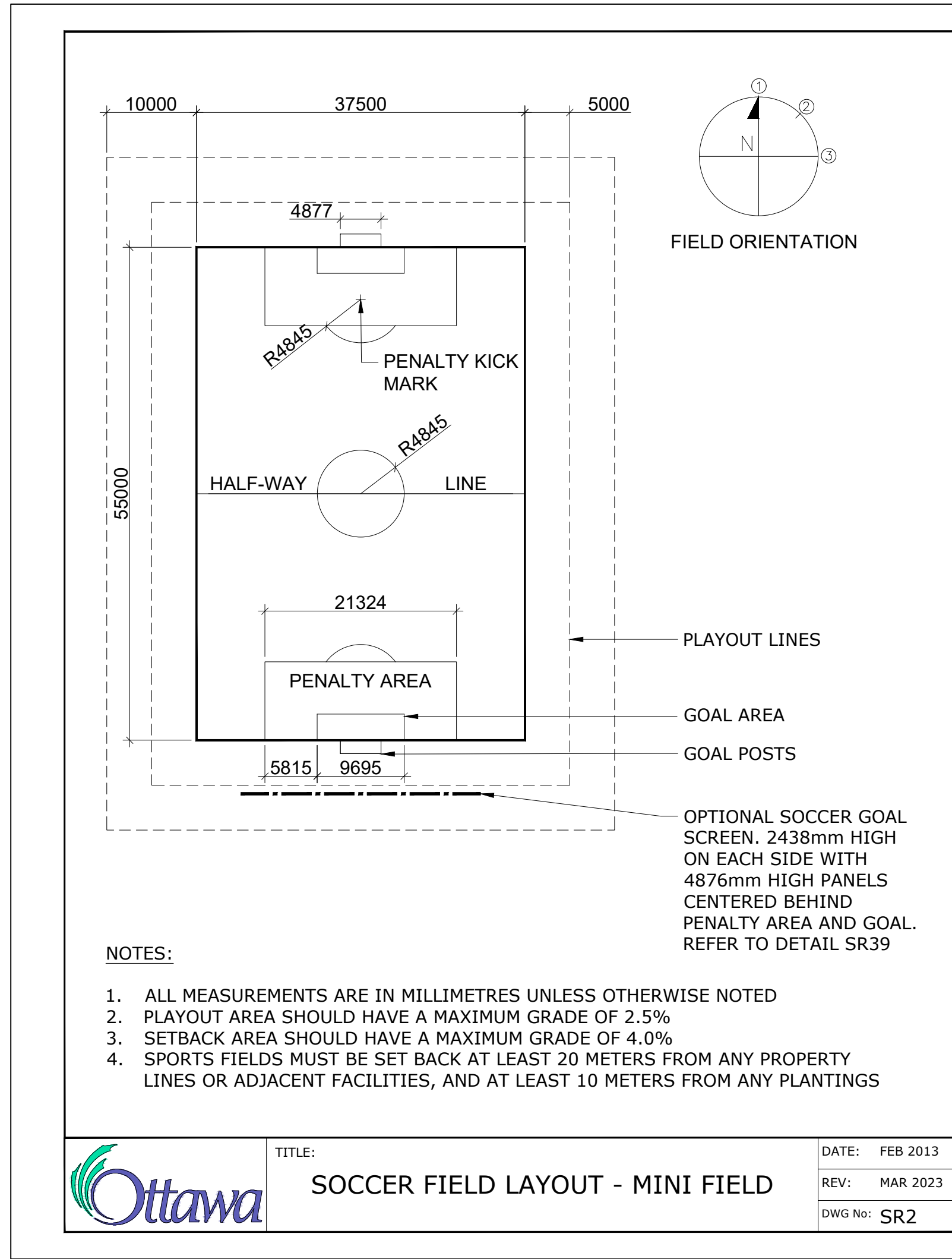
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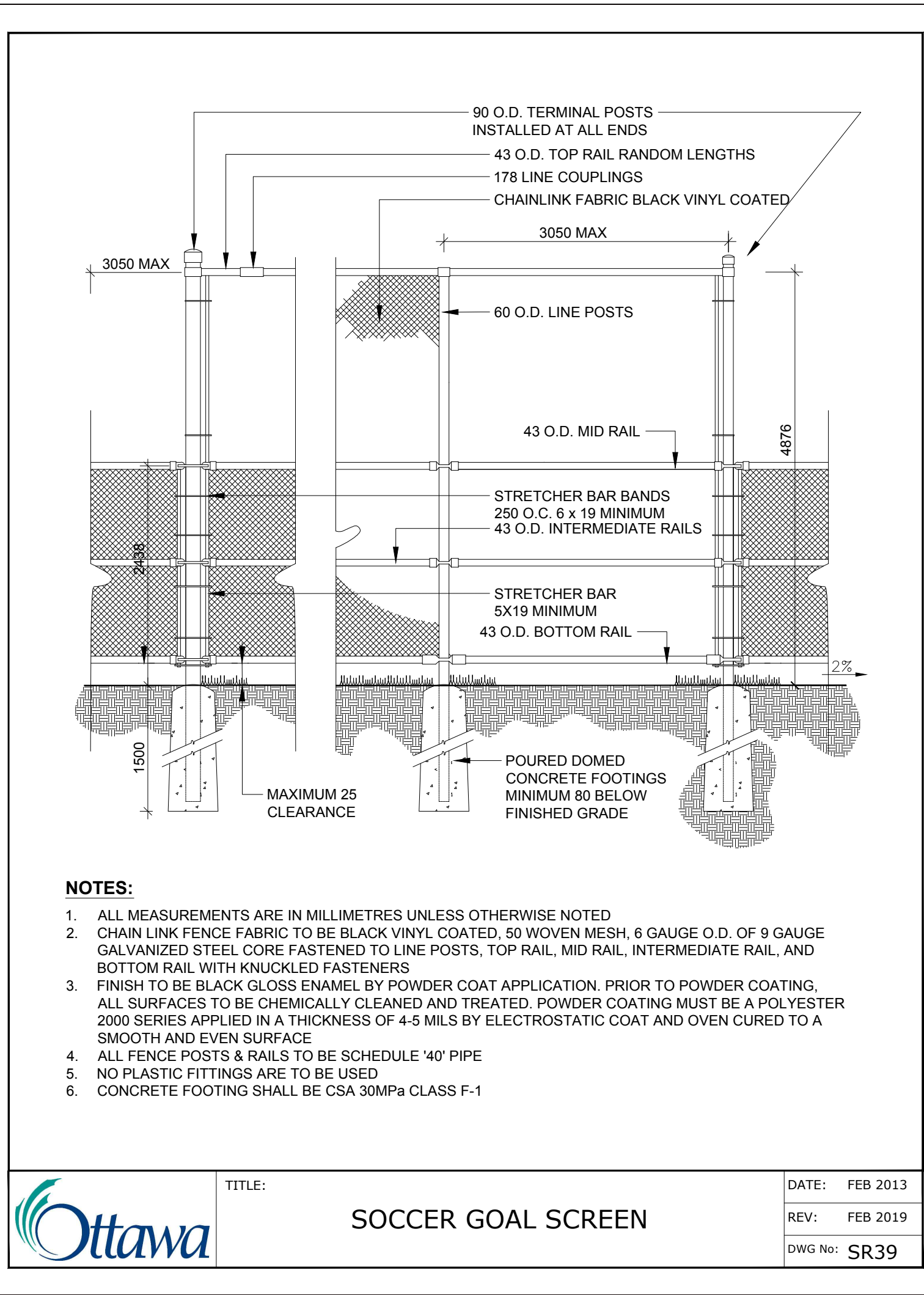
drawing title

LANDSCAPE SOIL VOLUMES / DETAILS

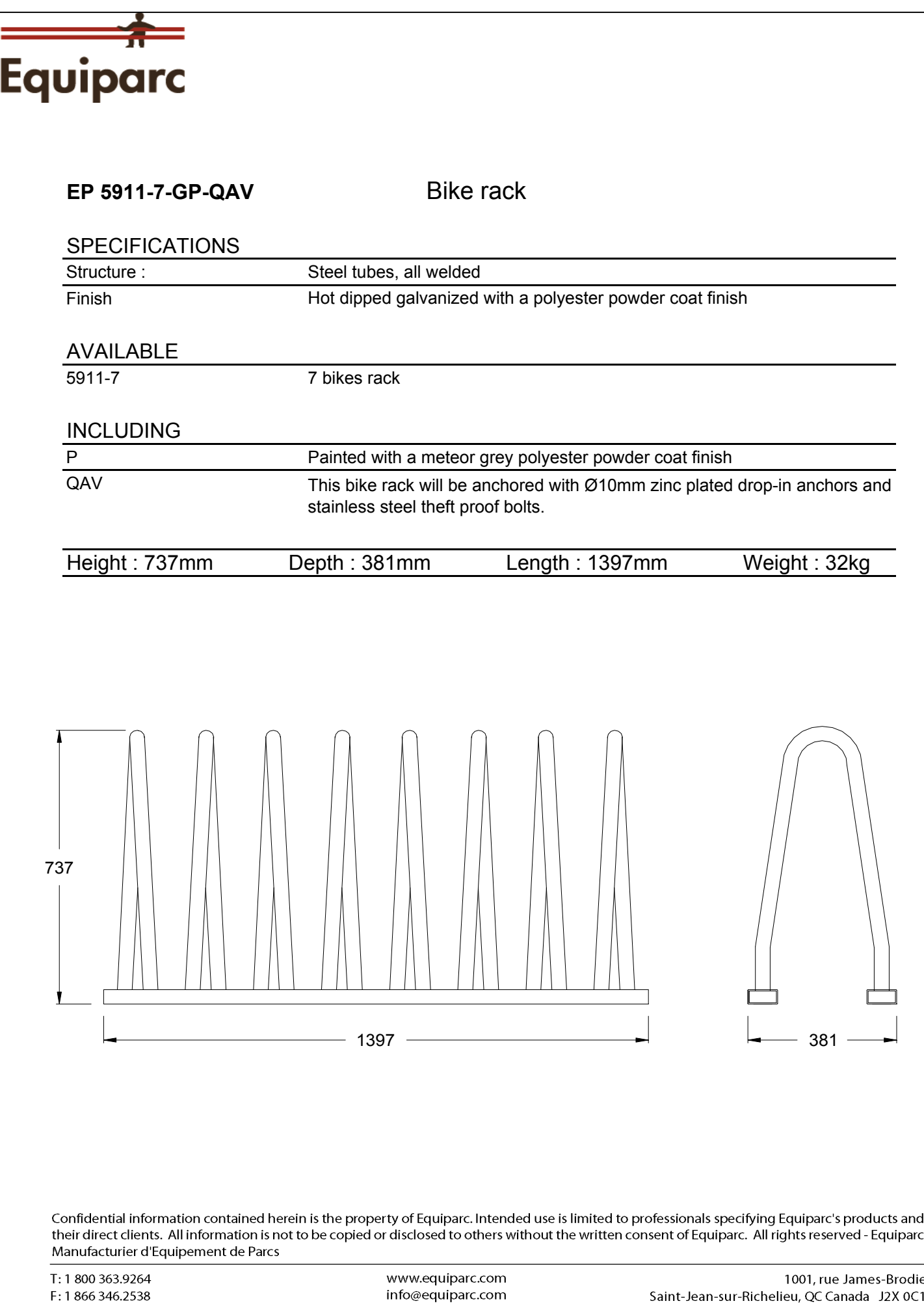
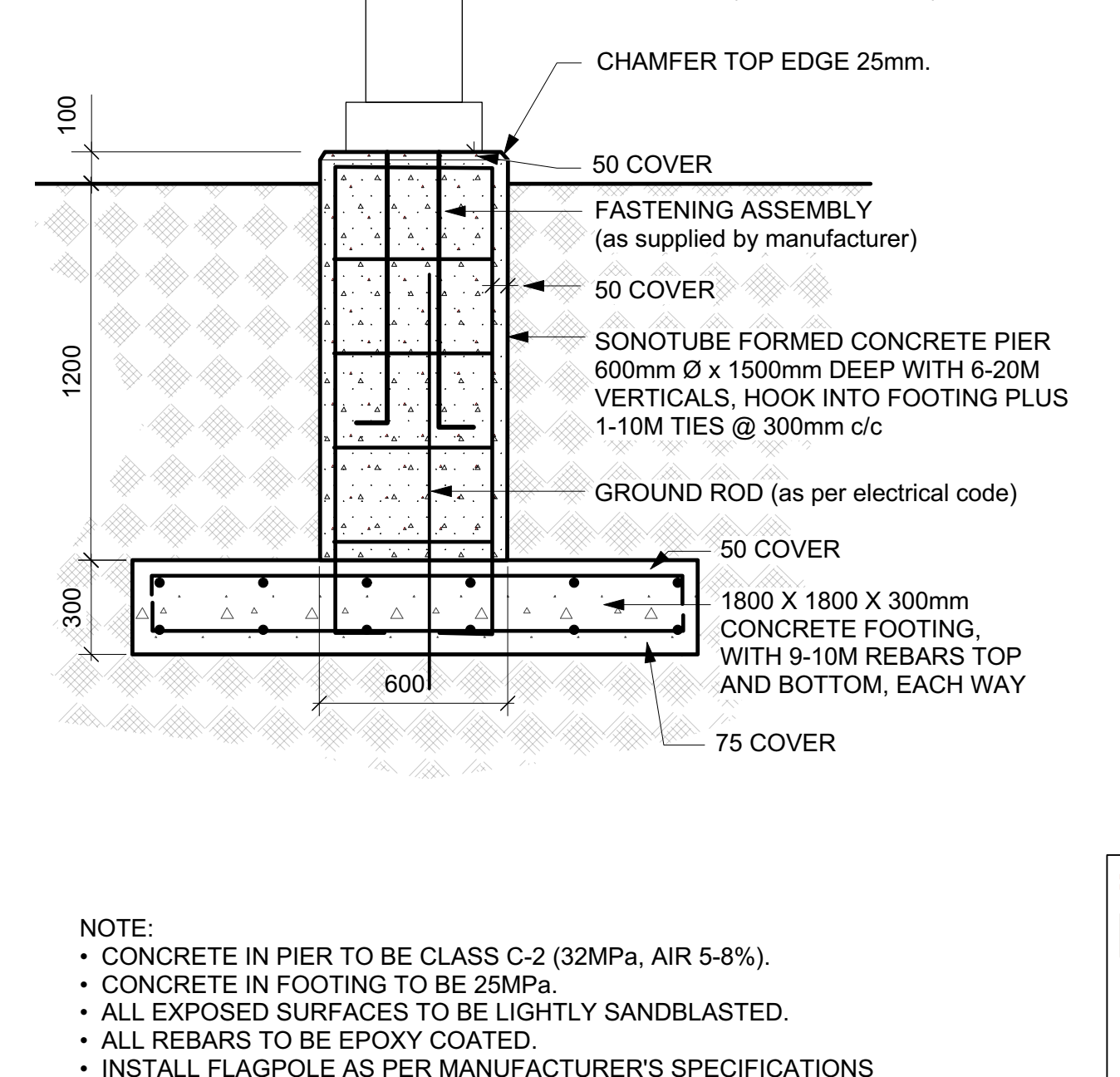
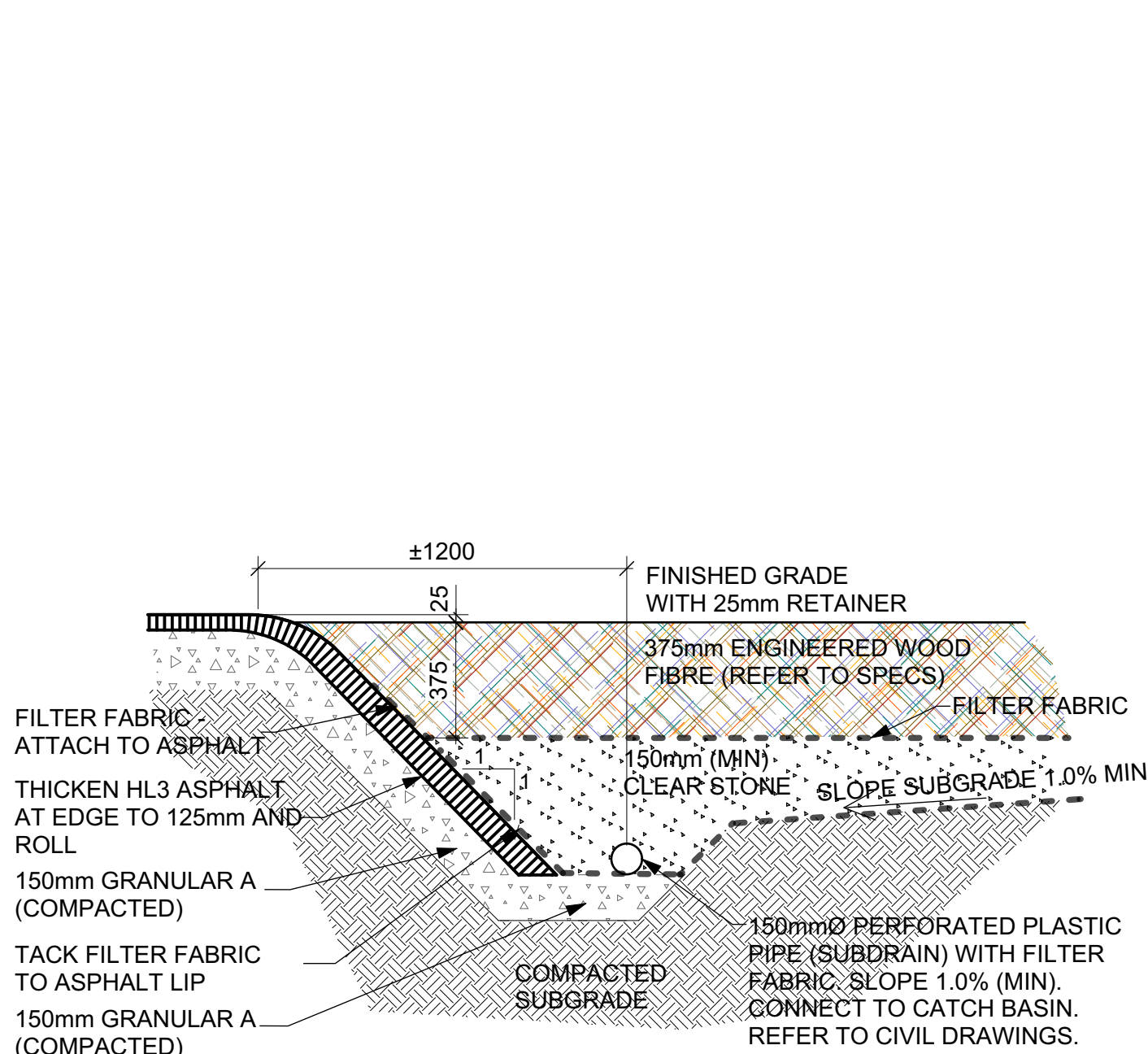
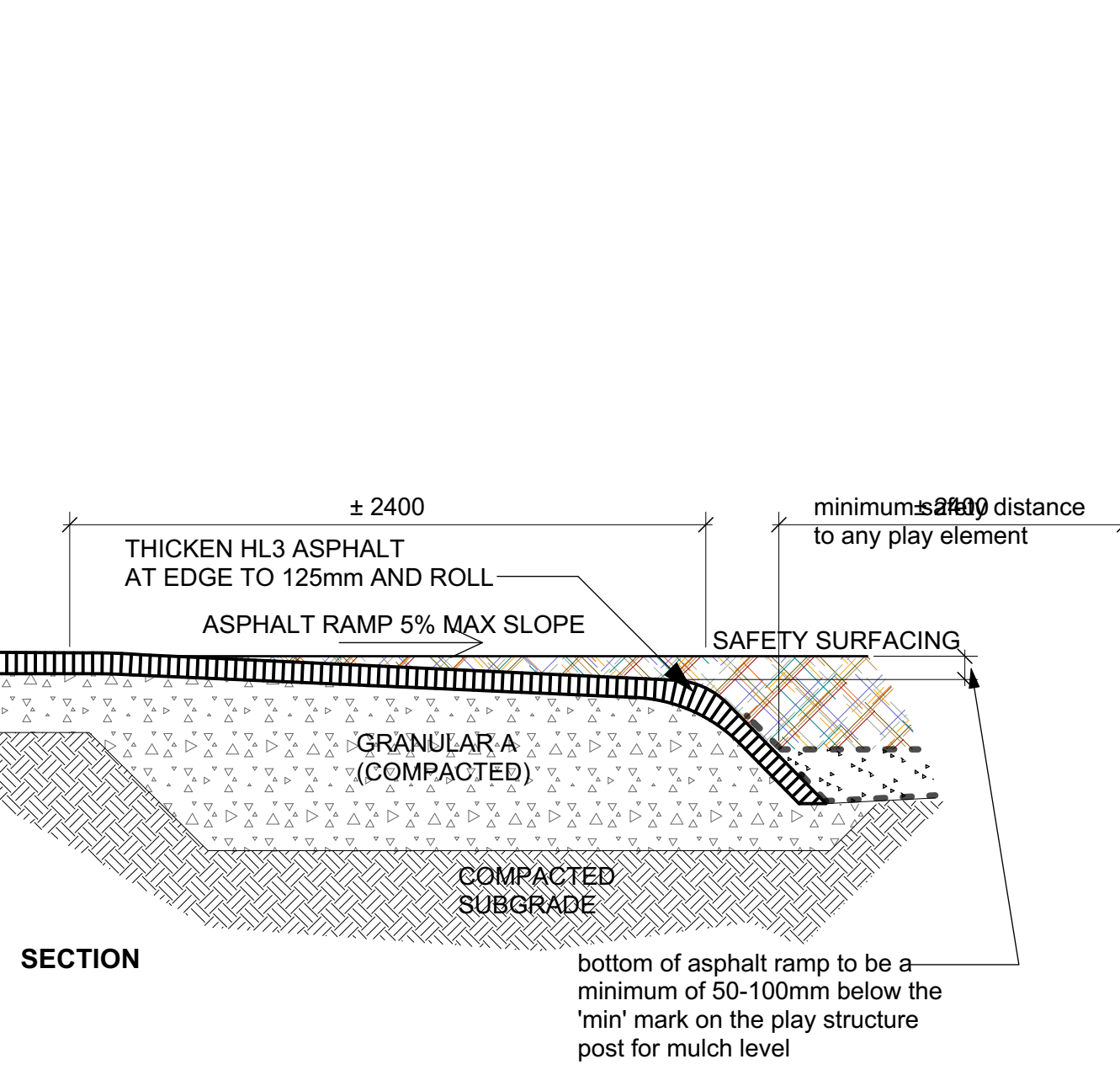
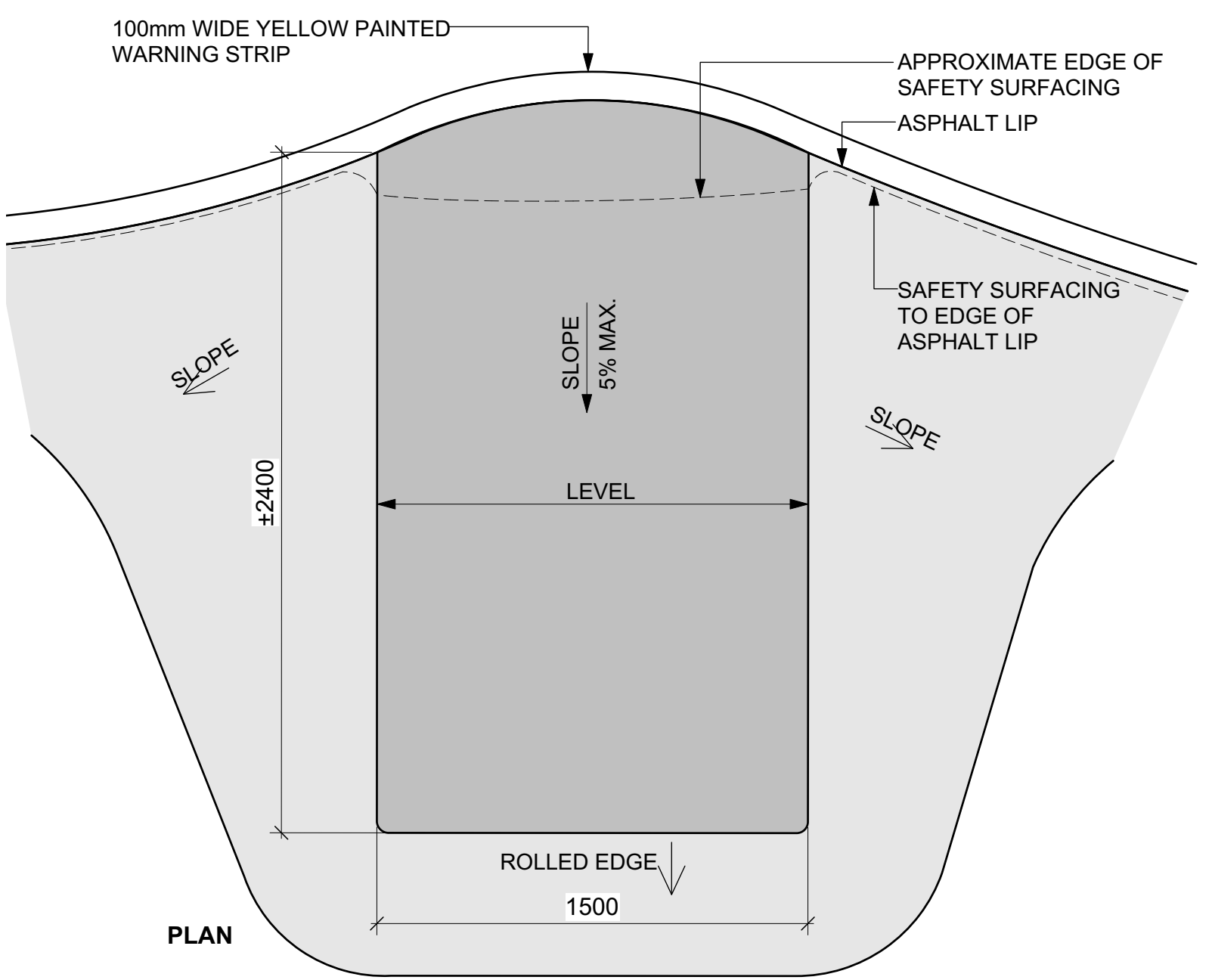
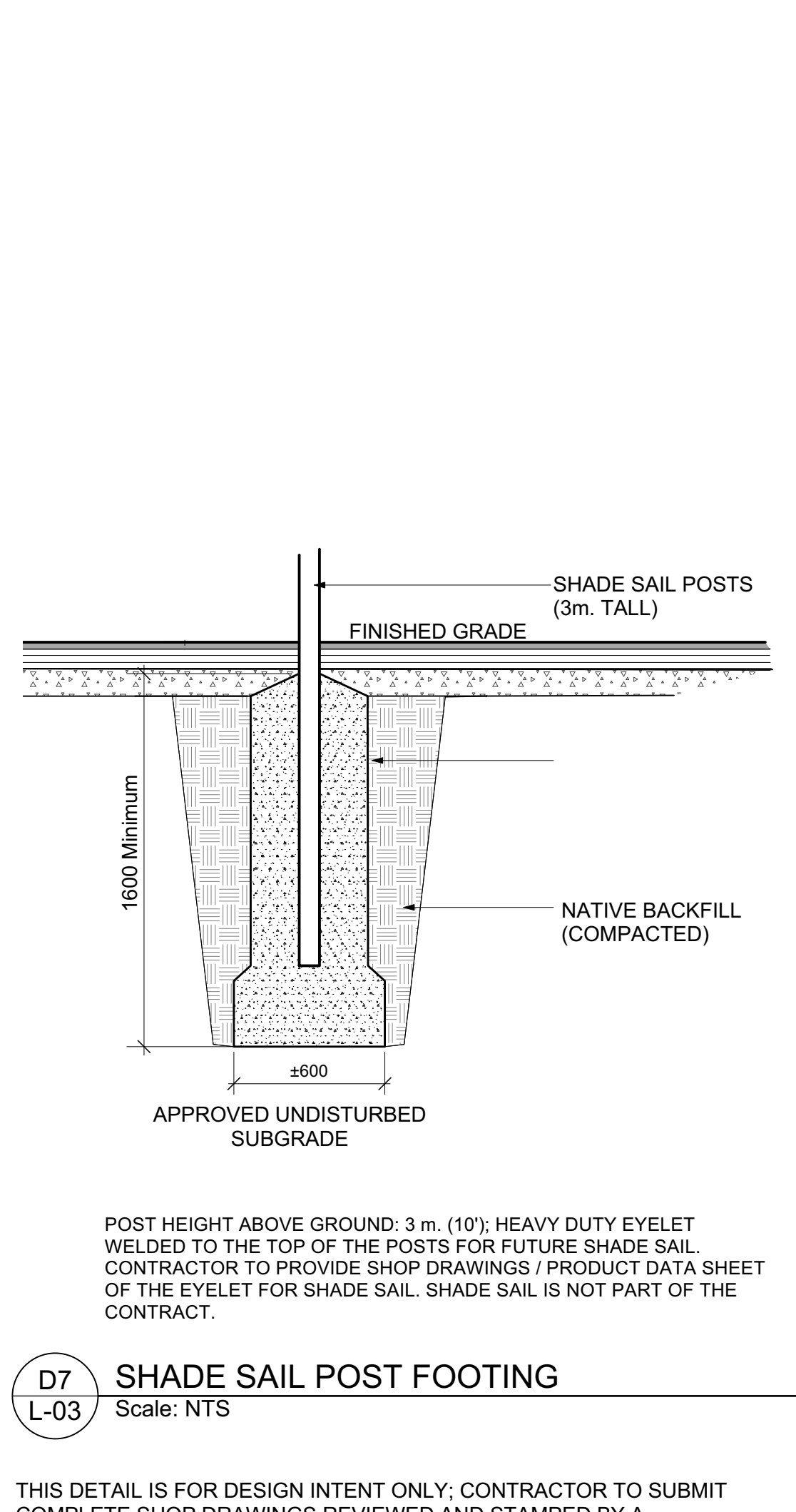
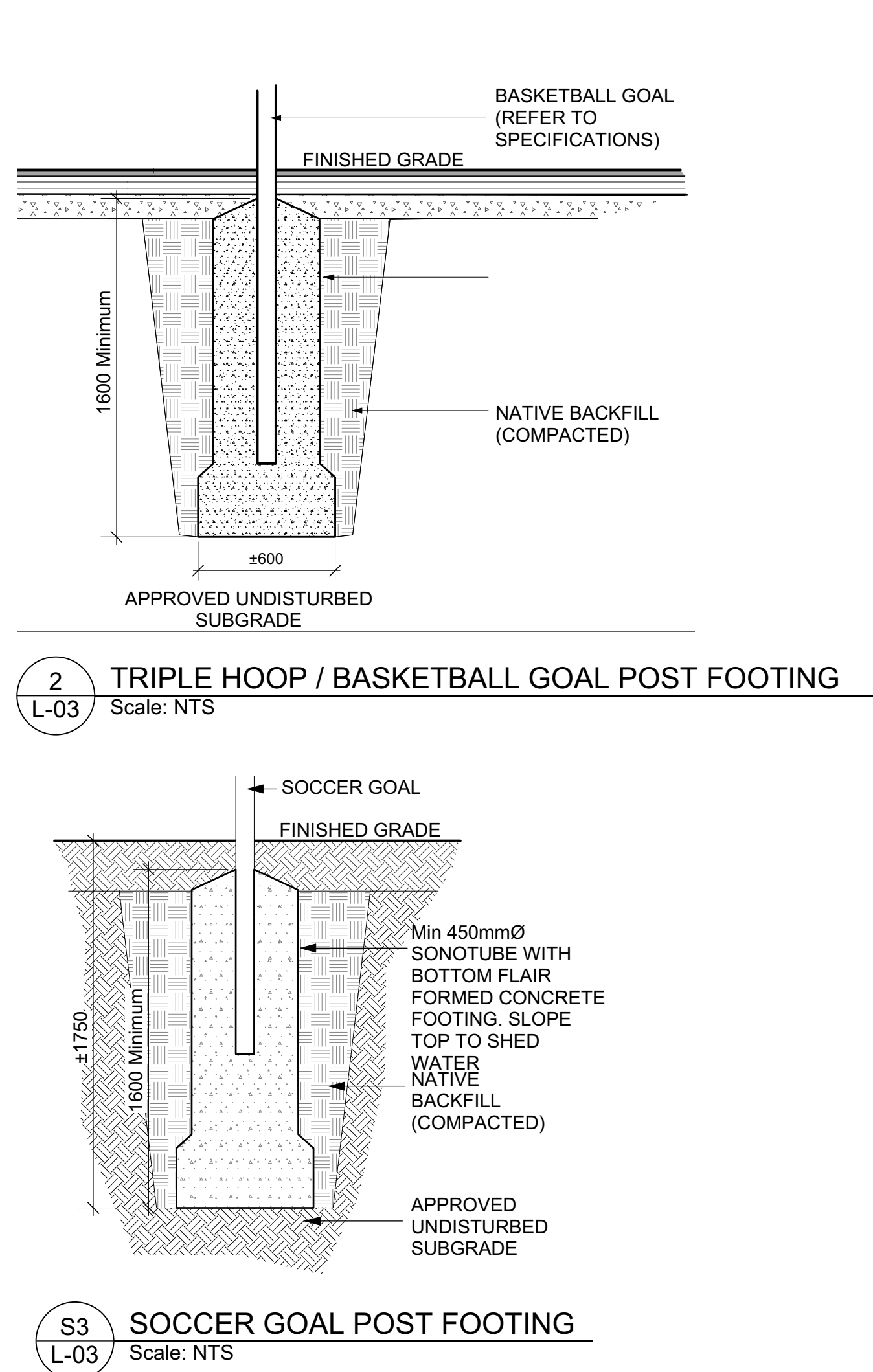
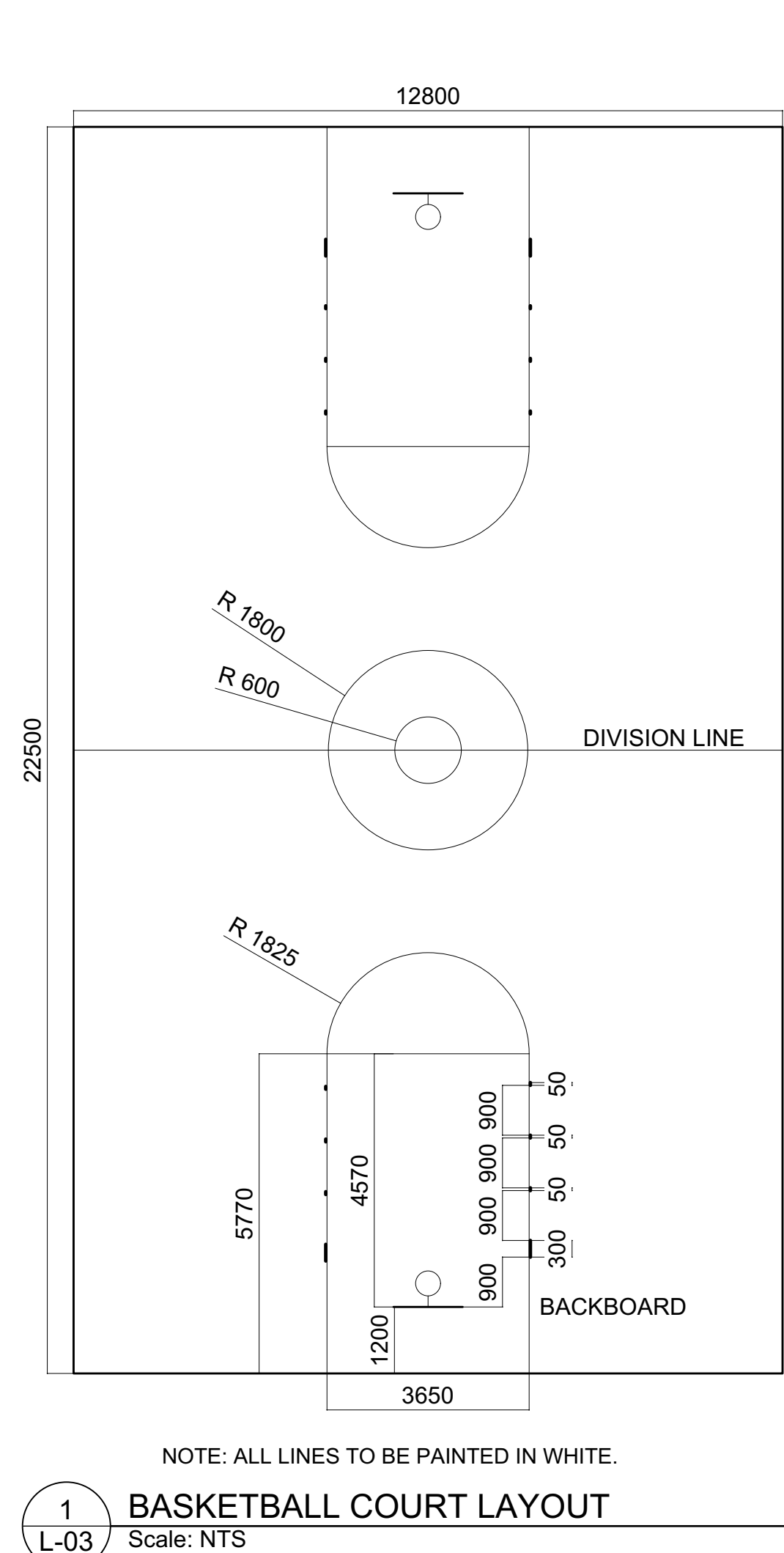
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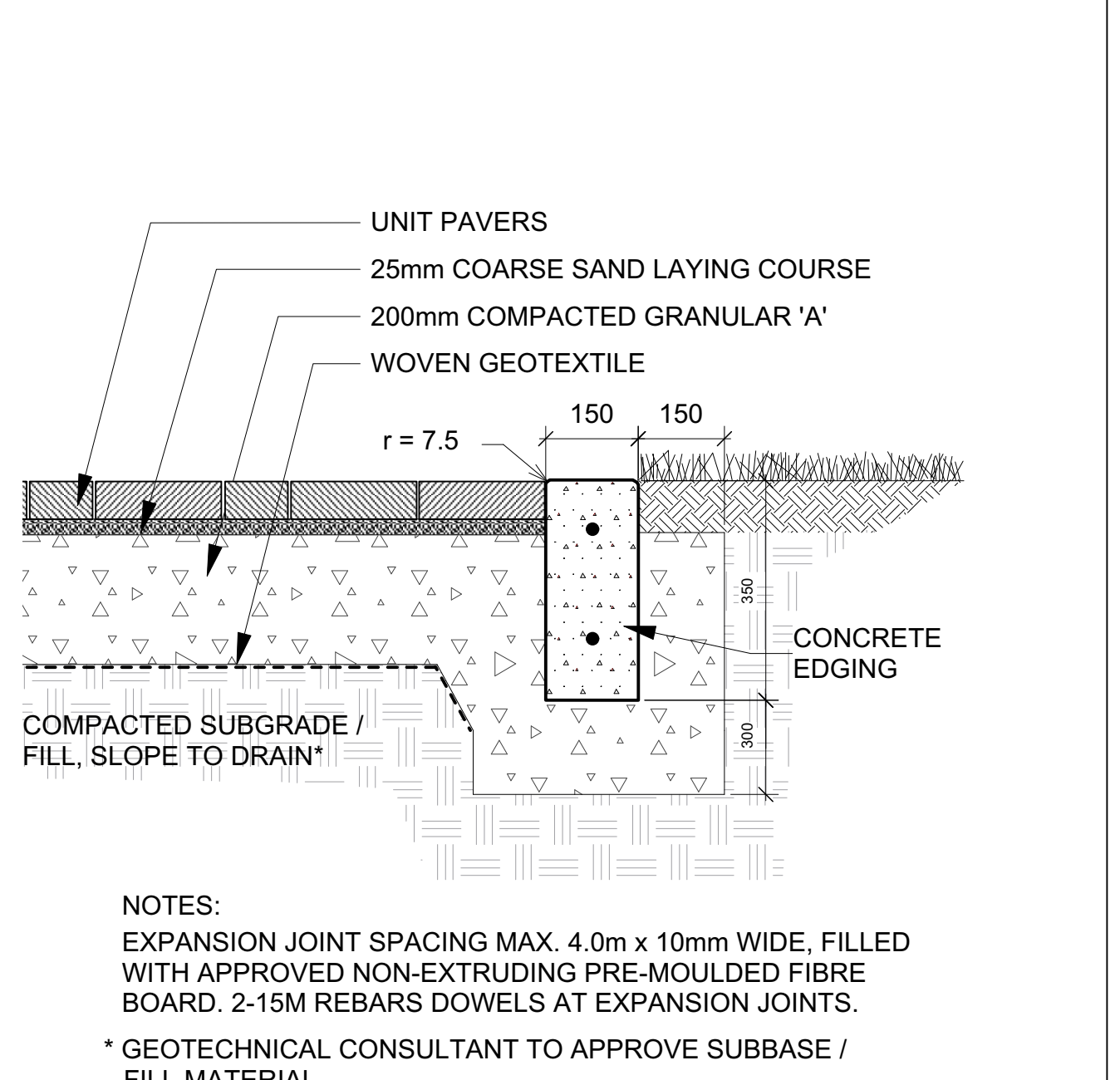
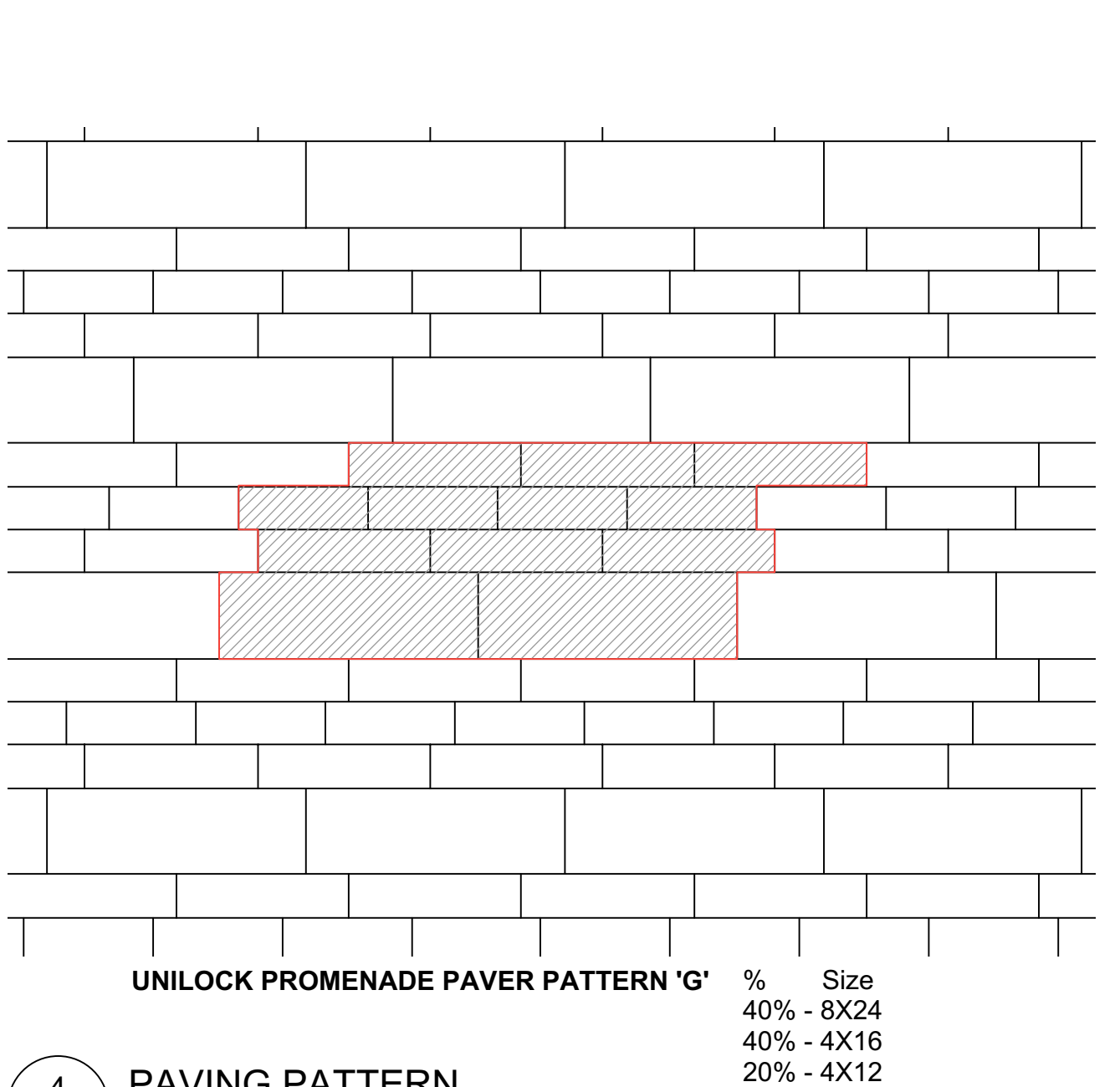
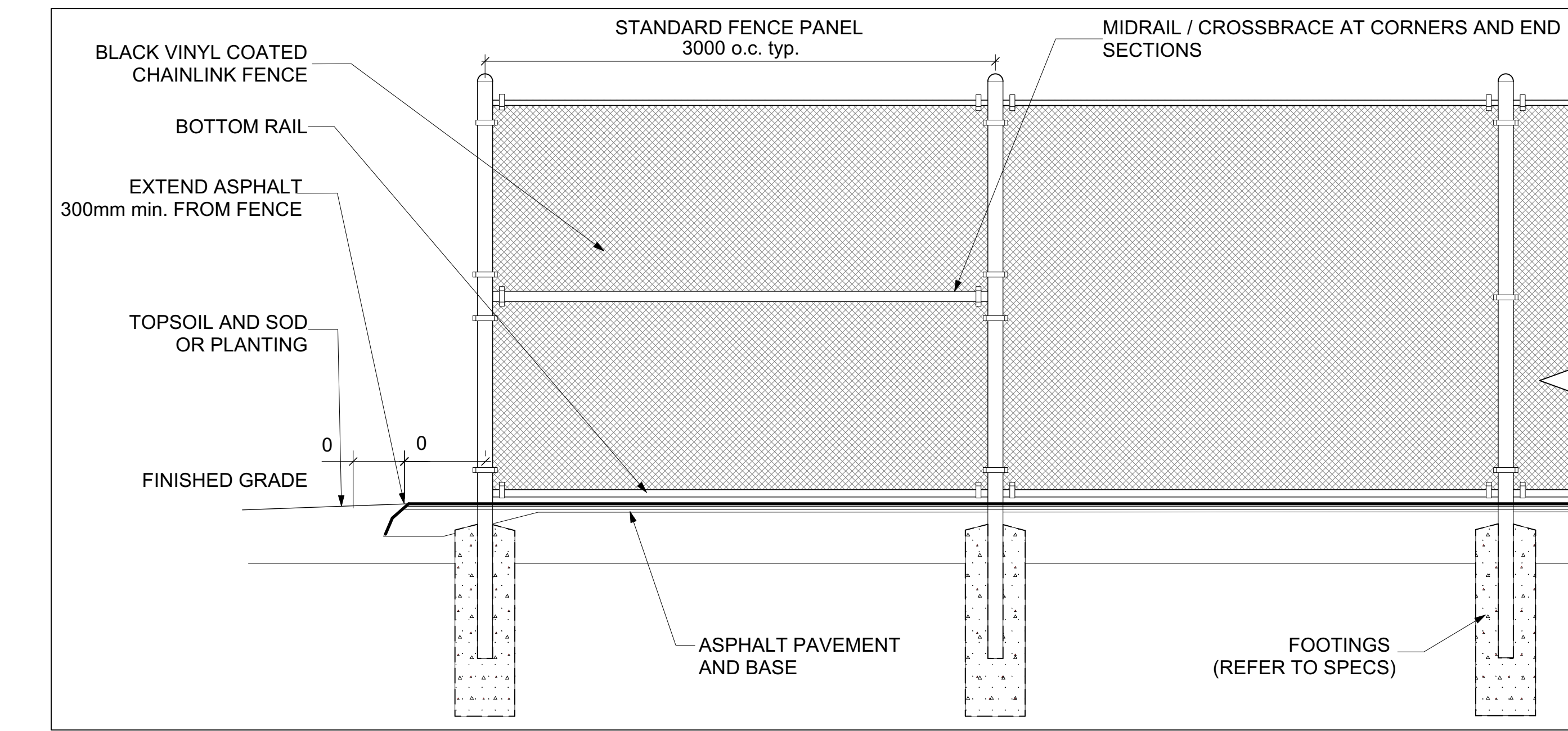
S1 L-03 SOCCER FIELD LAYOUT
Scale: NTS



S2 L-03 SOCCER GOAL SCREEN
Scale: NTS



D4 L-03 BIKE RACK - EQUIPARC EP 5911
Scale: NTS



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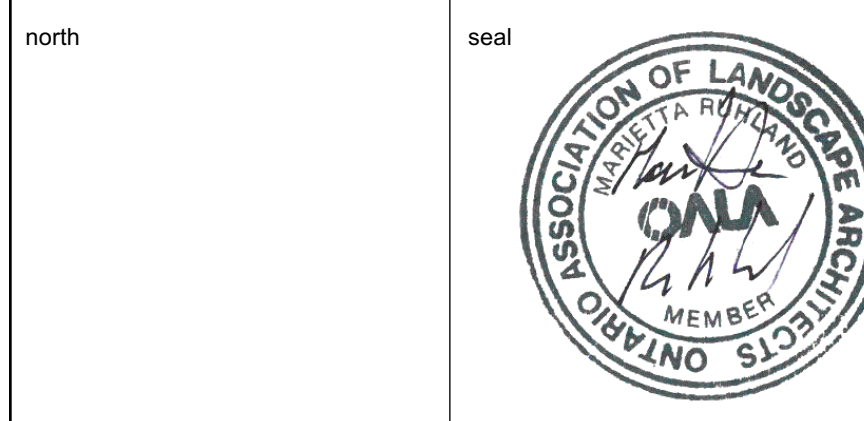


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03	Reissued for SPC	2025/04/07
02	Issued for Permit	2025/02/04
01	Issued for Coordination	2025/01/30
no.	revision	date

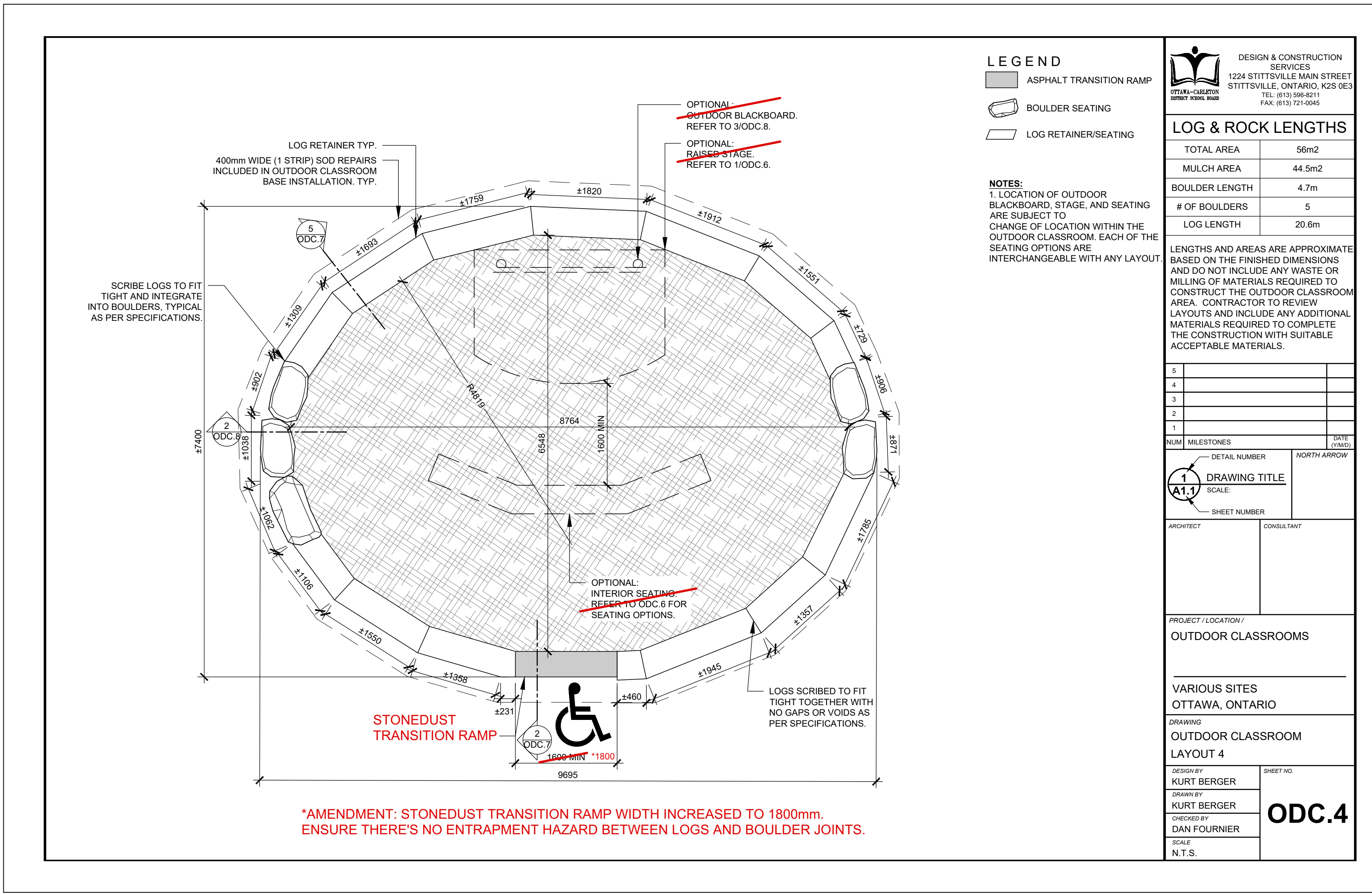
N45 ARCHITECTURE INC.
71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N2
tel. 613.224.0095 fax 613.224.9811

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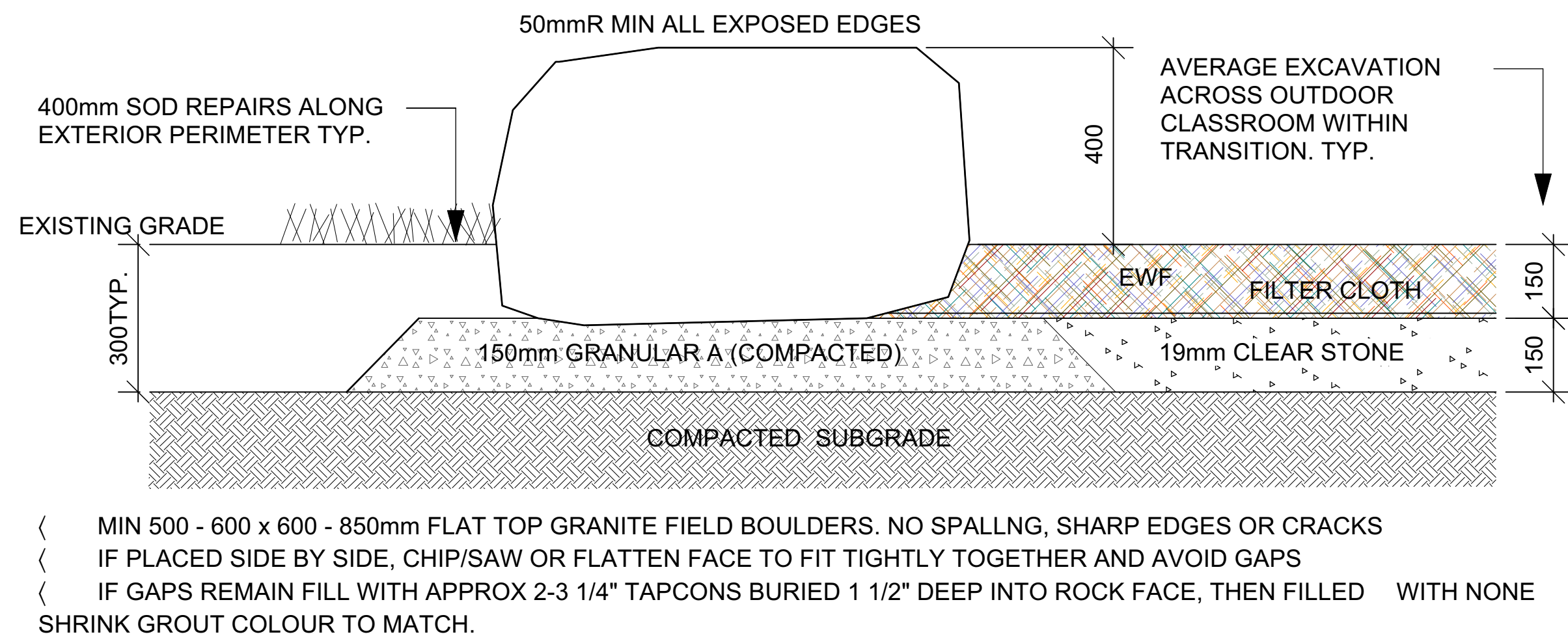


drawing title	
LANDSCAPE DETAILS	
scale	As Shown
date	2025-02-25
project number	N45 24-828
RA	24-1743
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES	revision
DO NOT SCALE DRAWINGS	



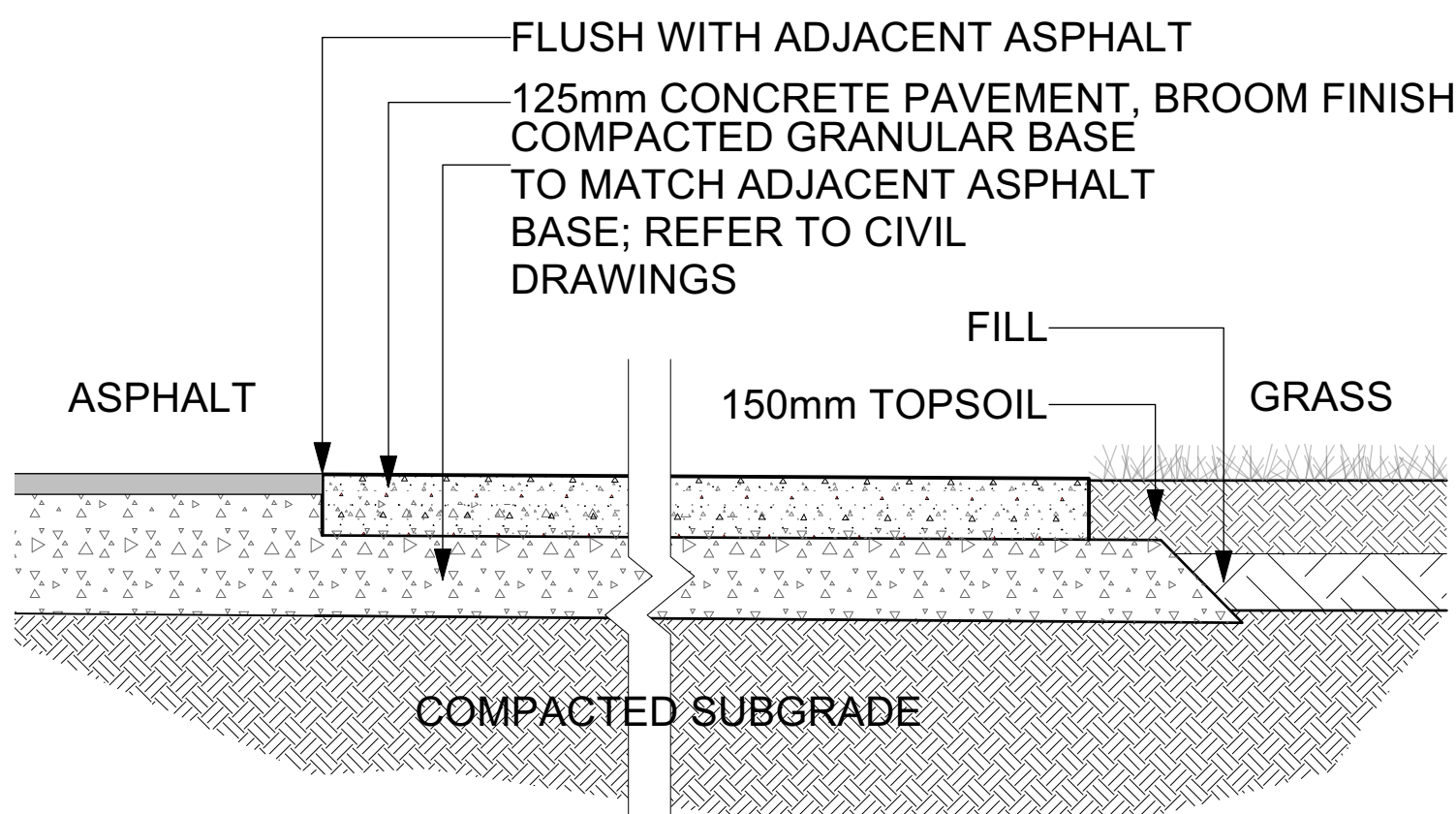
ODC.4
L-04

OUTDOOR CLASSROOM
Scale: NTS



ODC.8
L-04

BOULDER RETAINER
Scale: NTS

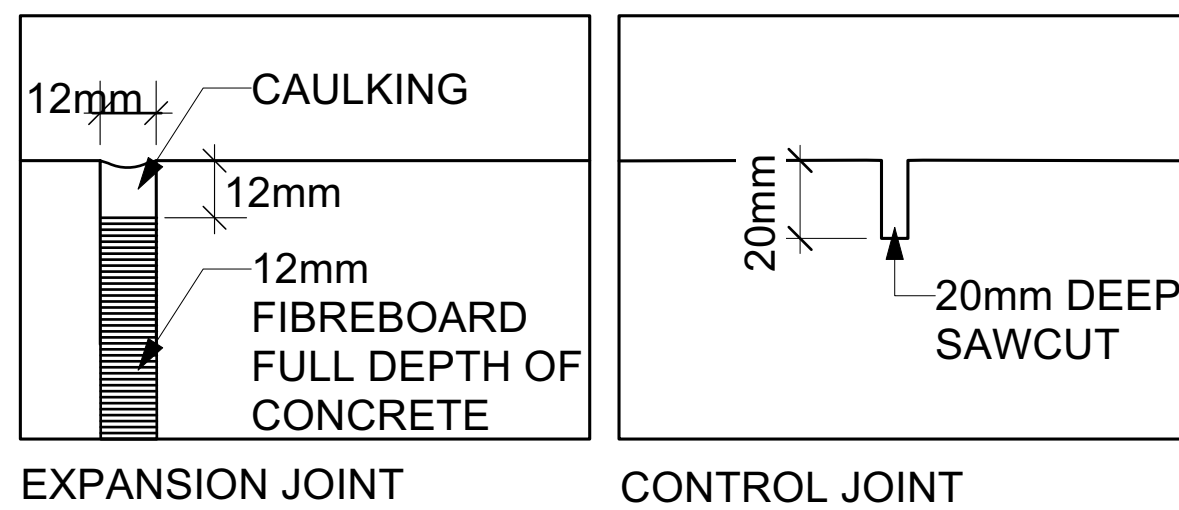


CONCRETE:

- CONCRETE TO BE CLASS C-2 (32MPa, AIR 5-8%, TYPE 10 CEMENT, SLUMP 80mm WITH A TOLERANCE OF ± 30 mm).
- AGGREGATE SIZE 20mm.
- PROVIDE SHOP DRAWINGS CONFIRMING THE LOCATIONS OF CONTROL JOINTS, ANY REQUIRED EXPANSION JOINTS.

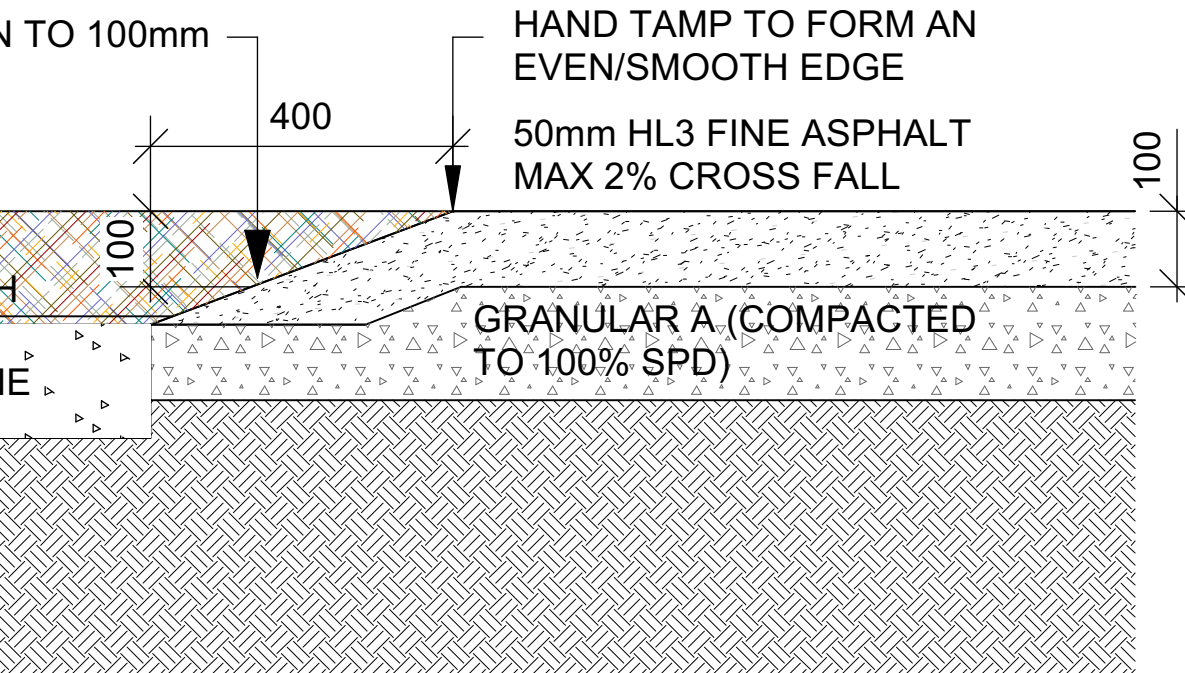
B2
L-04

CONCRETE PAD FOR BIKE RACK
Scale: NTS



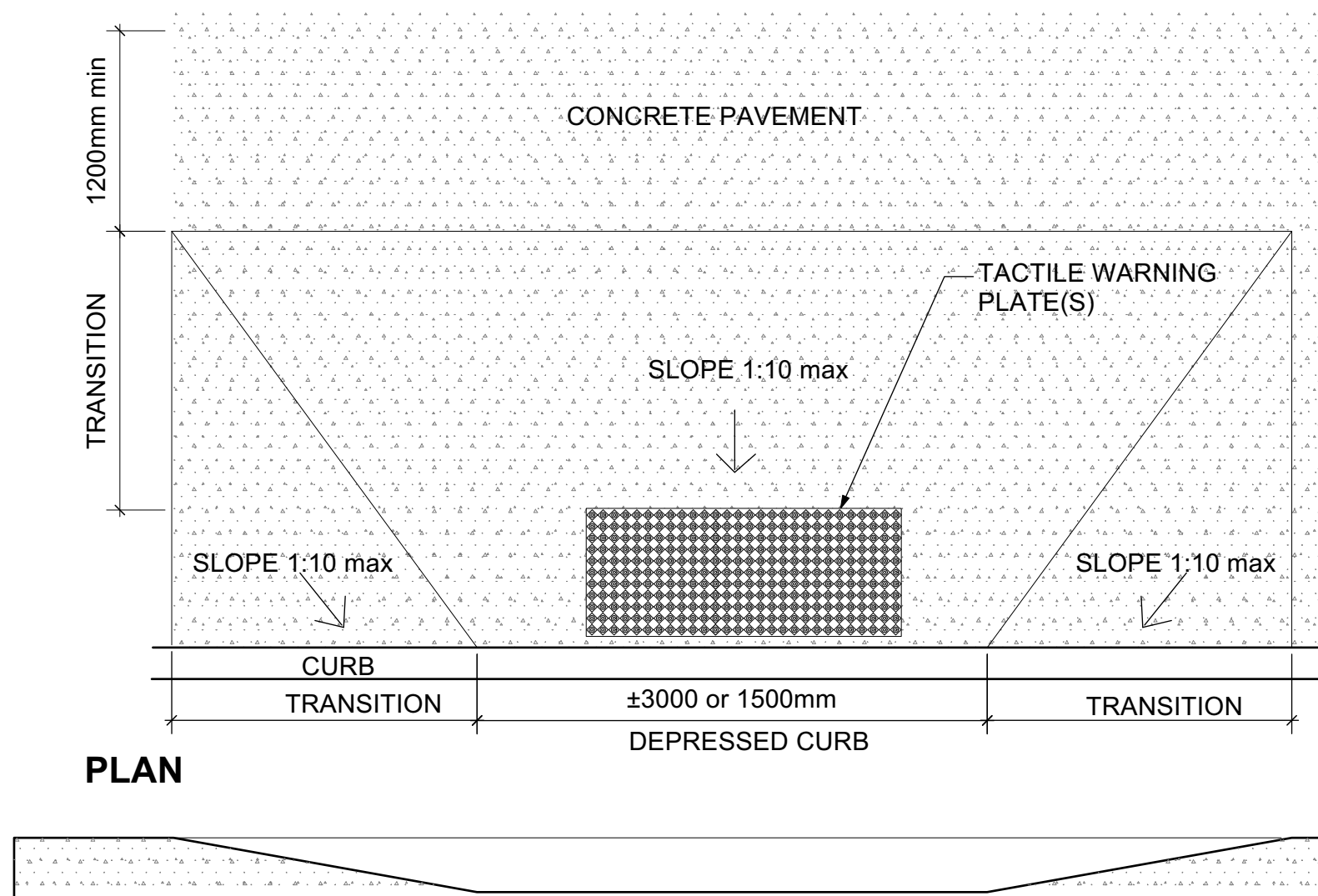
JOINTS:

- SAWCUT CONTROL JOINTS AND EXPANSION JOINTS AS DETAILED.
- ONLY TOOL EDGES AT OUTSIDE EDGES OF PAD.
- EXPANSION JOINTS TO BE SPACED AT 6m o.c. max.
- CONTROL JOINTS TO BE SPACED AT 1.5m o.c. max.



2
L-04

STONEDUST MINI RAMP
Scale: NTS

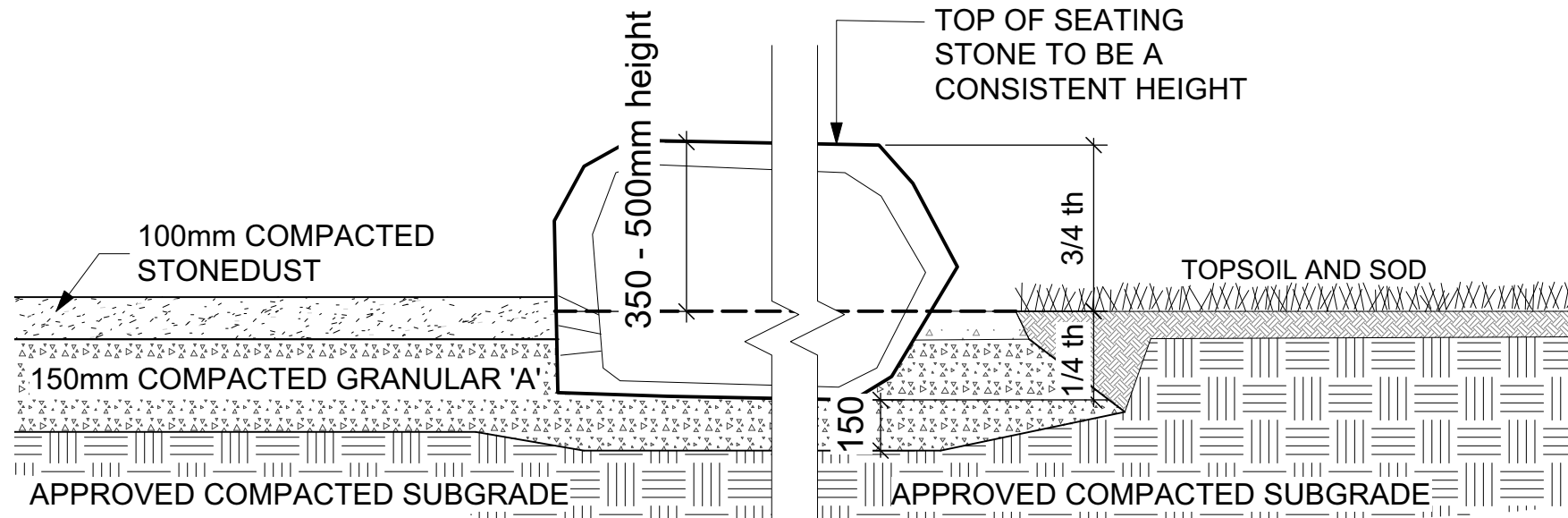
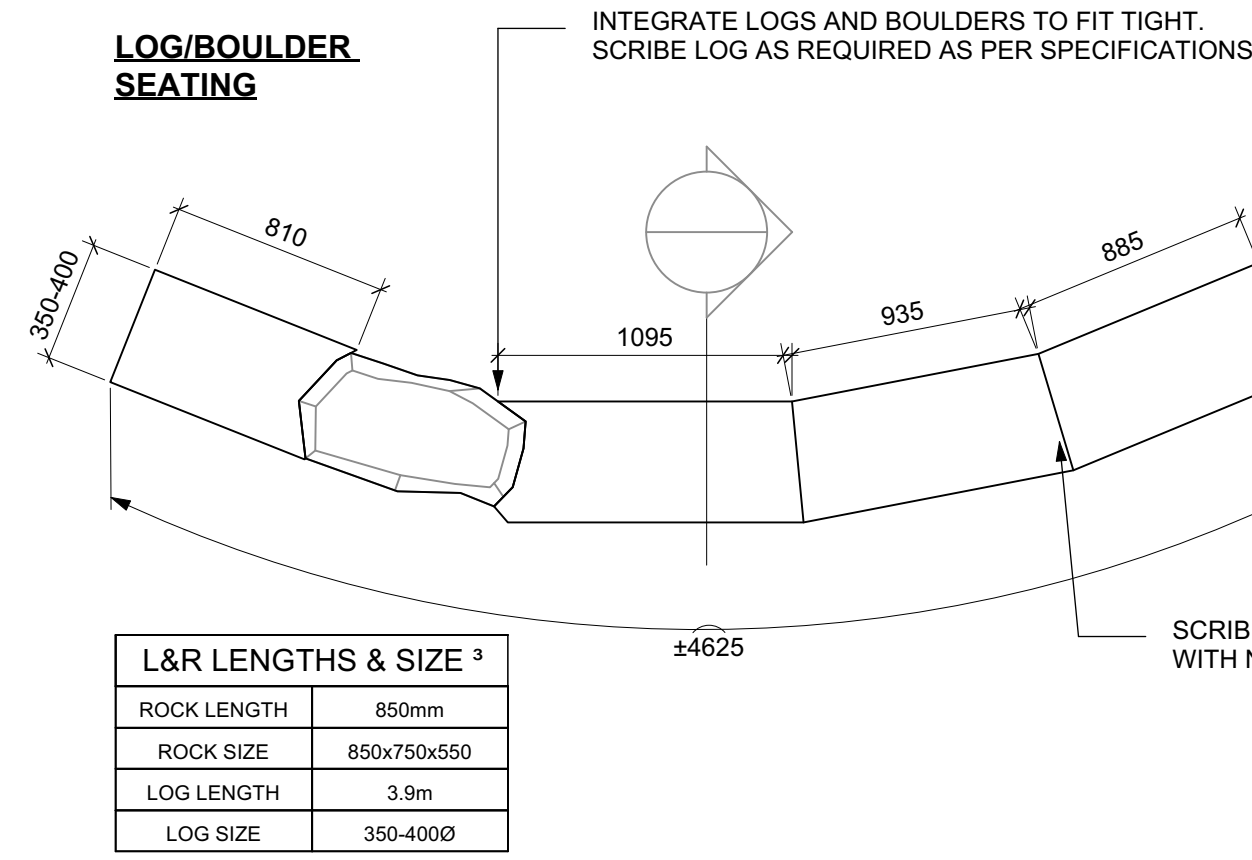


SECTION - DEPRESSED CURB

NOTE: REFER TO CITY OF OTTAWA STANDARD DETAIL SC7.3

D4
L-04

TACTILE WALKING SURFACE INDICATOR (TWSI)
Scale: NTS

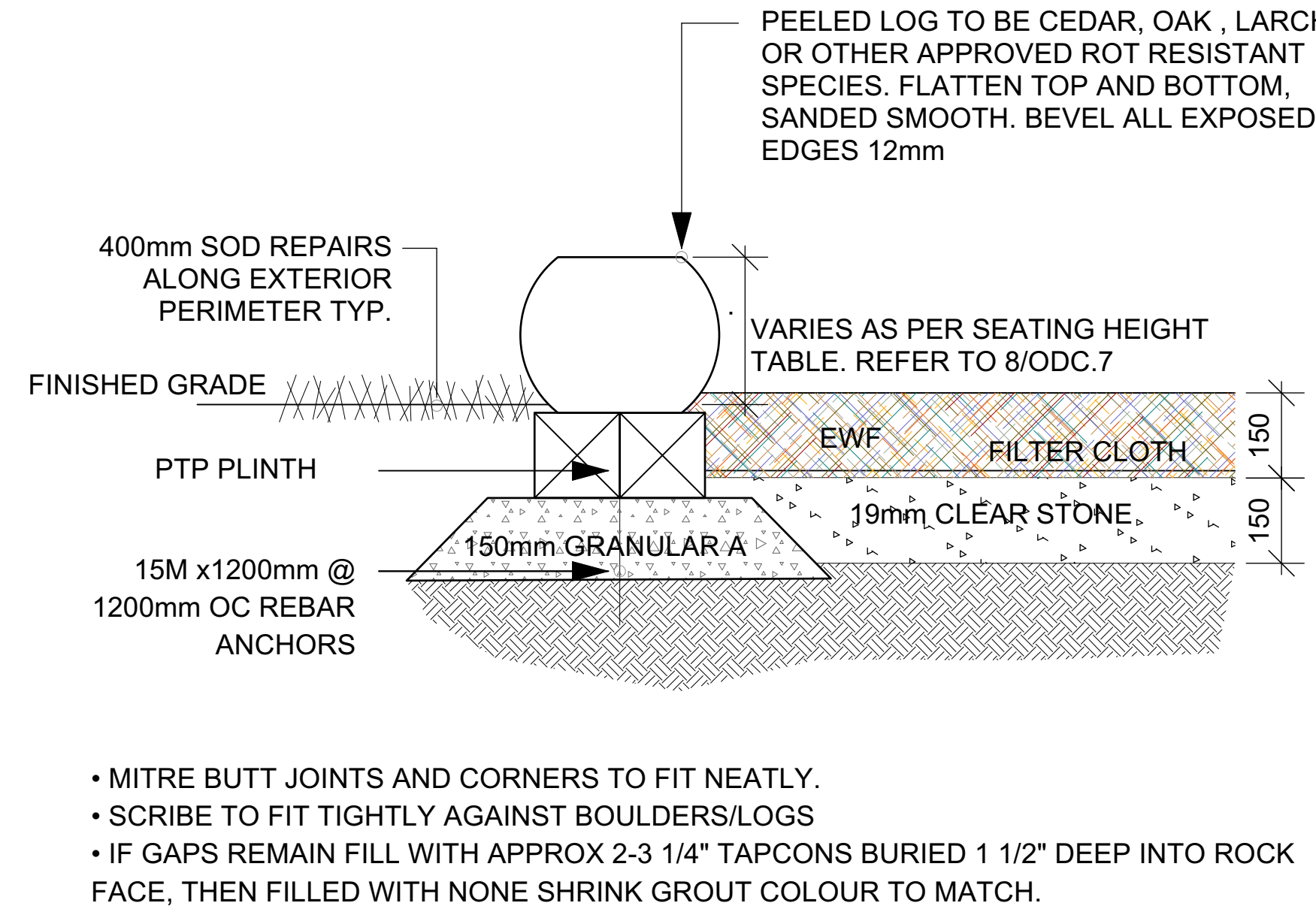


NOTES:

1. Large, solid granite boulders (non-susceptible to frost - weathered) with flat top surface free from spalling, cracks, sharp edges, entrapment holes
2. Size of boulders: 300-400mm
3. Height: 685 - 765mm
4. Width: 600-800mm; Length: 1000 -1500mm
5. QTY: 15-21 stones. Additional boulders may be required to accomplish the desired concept, as per plan.
6. Boulders to be set below grade by minimum of 150mm on stable grade.
7. Top of boulder to be flat and level with the recommended sitting heights as follows, to be approved by the OCDSB's Project Manager on site: JK/SK: 250-300mm (10-12"); J/SK: 300-375mm (12-15"); Junior: 375-500mm (15-20")

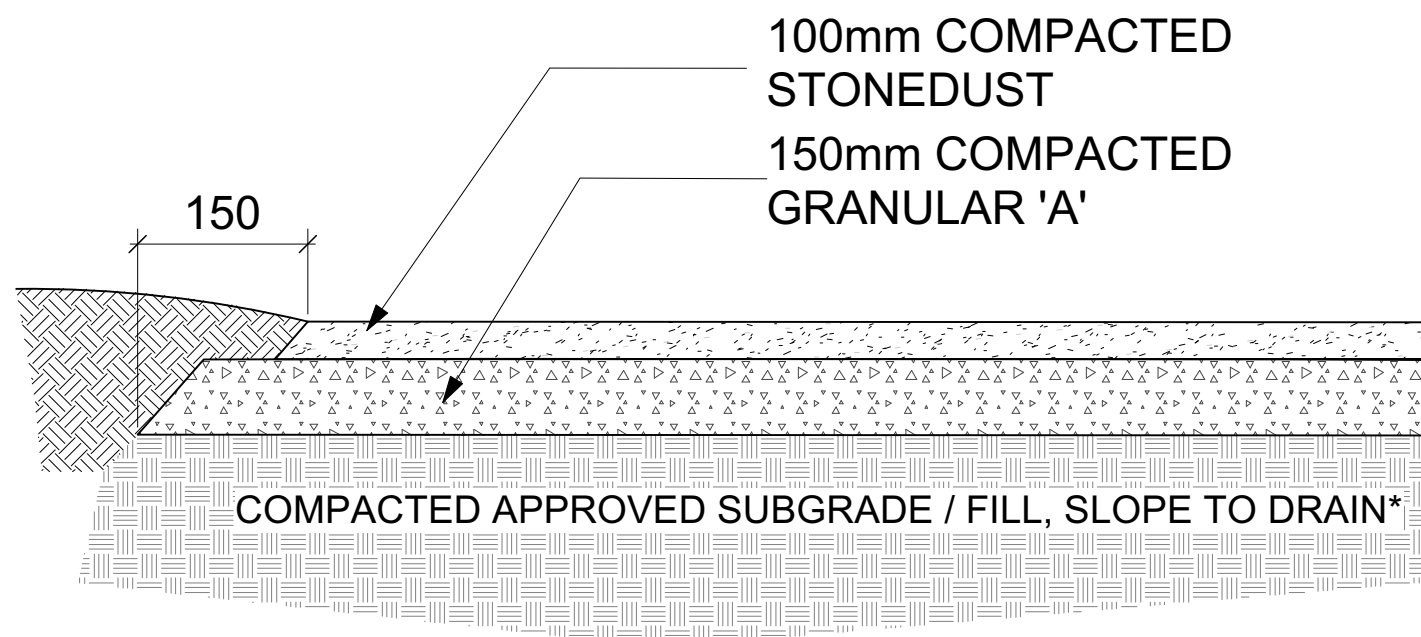
1
L-04

SEATING BOULDER / STONEDUST PATH
Scale: NTS



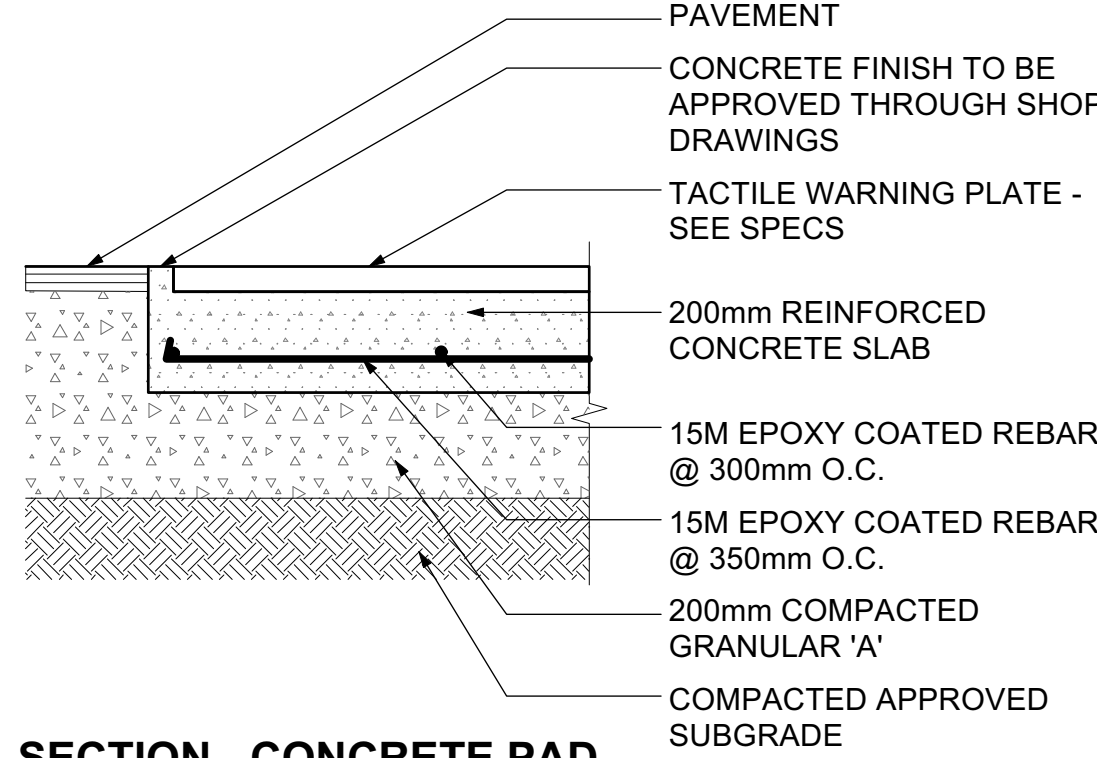
ODC.7
L-04

LOG RETAINER
Scale: NTS



3
L-04

STONEDUST PATHWAY
Scale: NTS



SECTION - CONCRETE PAD

NOTE: BARRIER FREE PATH OF ACCESS AND DEPRESSED CURB TO COMPLY WITH A.O.D.A. STANDARDS AND CITY OF OTTAWA ACCESSIBLE GUIDELINES. WIDTH OF DEPRESSED CURBS AT HANDICAP PARKING STALLS IS ± 1500 mm. WIDTH OF DEPRESSED CURB AT DROP OFF ZONE IS ± 3000 mm.



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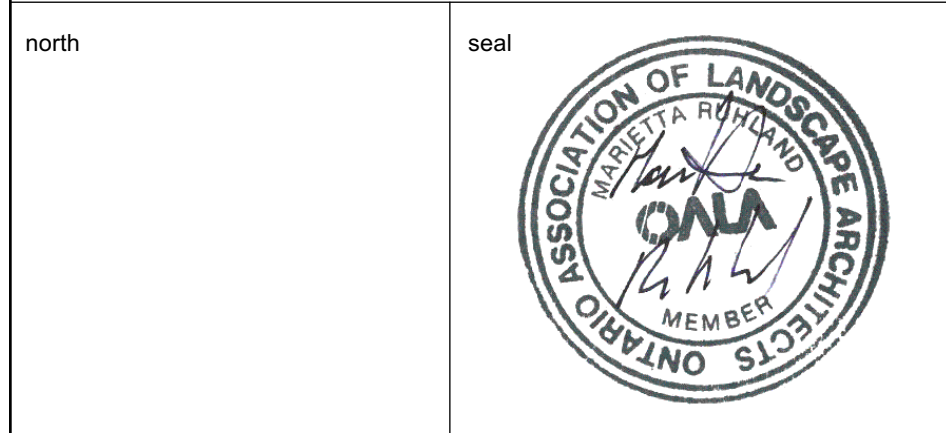
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