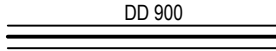
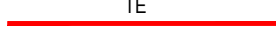
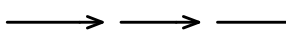
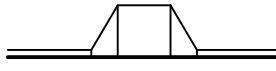
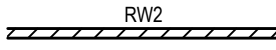
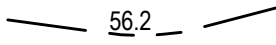
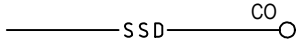
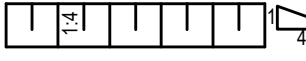


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CIVIL LEGEND PROPOSED

	_____ DISH DRAIN WITH WIDTH
	_____ TIMBER EDGE
	_____ STORMWATER OVERLAND FLOW PATH
	_____ GRASS LINED SWALE DRAIN (GRASS TO BE LAID KIKUYU OR EQUAL)
	_____ PRAM RAMP
	_____ RETAINING WALL AND NUMBER
• P56.20 _____	FINISHED SURFACE LEVEL
• EX56.20 _____	EXISTING SURFACE LEVEL
BEL 126.00 _____	BULK EARTHWORKS LEVEL
	_____ FINISHED SURFACE CONTOUR
	_____ GRATED DRAIN
	_____ SUBSOIL DRAINAGE LINE WITH CLEAR OUT
	_____ BATTER WITH SLOPES 1(VERT): 4(HORIZONTAL) UNO
	_____ STORMWATER DRAINAGE HEADWALL (REFER STORMWATER DRAINAGE STRUCTURES SCHEDULE)
	_____ DOWNPIPE CONNECTION (Ø150 uPVC UNO)
(COS) _____	CONFIRM ON SITE
	_____ STORMWATER DRAINAGE STRUCTURE
	_____ RAINWATER REUSE
	_____ STORMWATER DRAINAGE LINE WITH;
	_____ SAWCUT CONTRACTION JOINT
	_____ ISOLATION JOINT
	_____ DOWELLED CONSTRUCTION JOINT
	_____ 2 x N12 STEEL REINFORCEMENT BARS PLACED IN PARALLEL TO ACT AS TRIMMER BARS

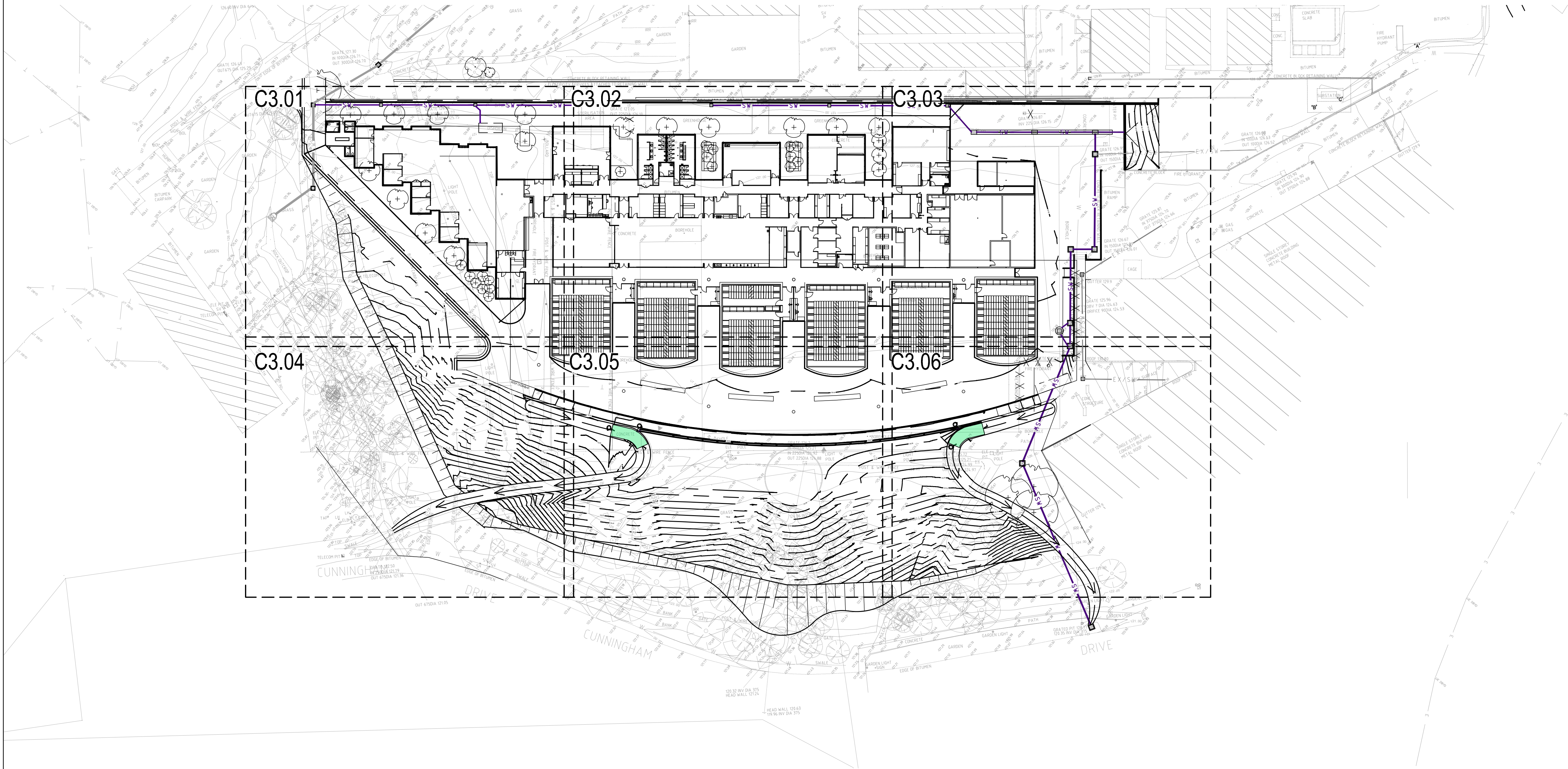
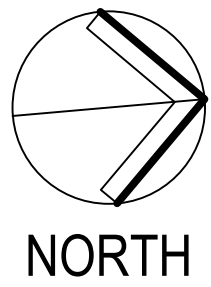


LOCALITY PLAN

I	ISSUE FOR DA		06.07.2019
H	ISSUE FOR DA		02.07.2019
G	ISSUE FOR DA		26.06.2019
F	ISSUE FOR DA		21.06.2019
E	100% DESIGN DEVELOPMENT		28.05.2019
D	100% DESIGN DEVELOPMENT		22.05.2019
C	ISSUE FOR INFORMATION		02.05.2019
B	ISSUE FOR DA		26.04.2019
A	50% DESIGN DEVELOPMENT		19.04.2019
Rev#	Revising Description		Date

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L2 Danchen House 507 Kent St Sydney NSW 2000 ABN 80 003 076 024			
Client			
Project		NATIONAL HERBARIUM OF NSW	
Title		COVER SHEET, DRAWING LIST, LEGEND - HERBARIUM	
Scale		NOT TO SCALE	
Drawn	Checked	Approved	
LW	MP	---	
Project Number			Revision
180111			I
Drawing Number			
C1.00			

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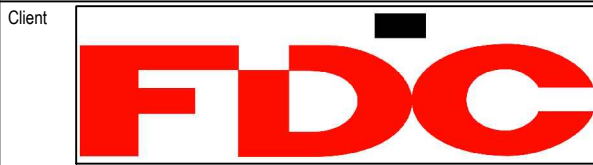
Rev	Revision Description	Date
K	ISSUE FOR DA	11.07.2019
J	ISSUE FOR DA	02.07.2019
I	ISSUE FOR DA	27.06.2019
H	ISSUE FOR DA	26.06.2019
G	ISSUE FOR DA	21.06.2019
F	100% DESIGN DEVELOPMENT	17.06.2019
E	100% DESIGN DEVELOPMENT	28.05.2019
D	100% DESIGN DEVELOPMENT	22.05.2019
C	ISSUE FOR DA	02.05.2019
B	ISSUE FOR DA	27.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019



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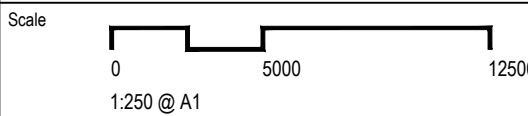
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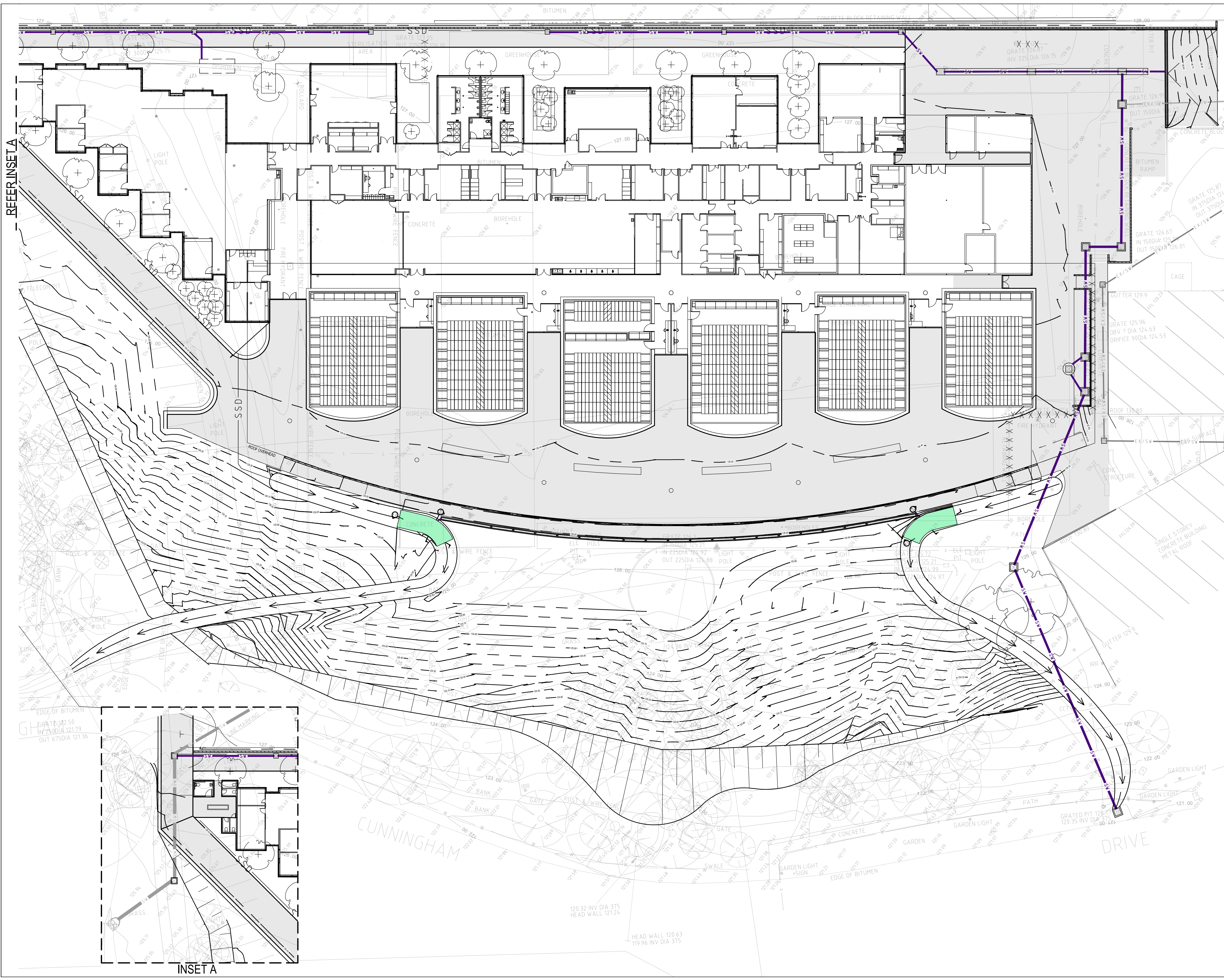
KEY PLAN - HERBARIUM



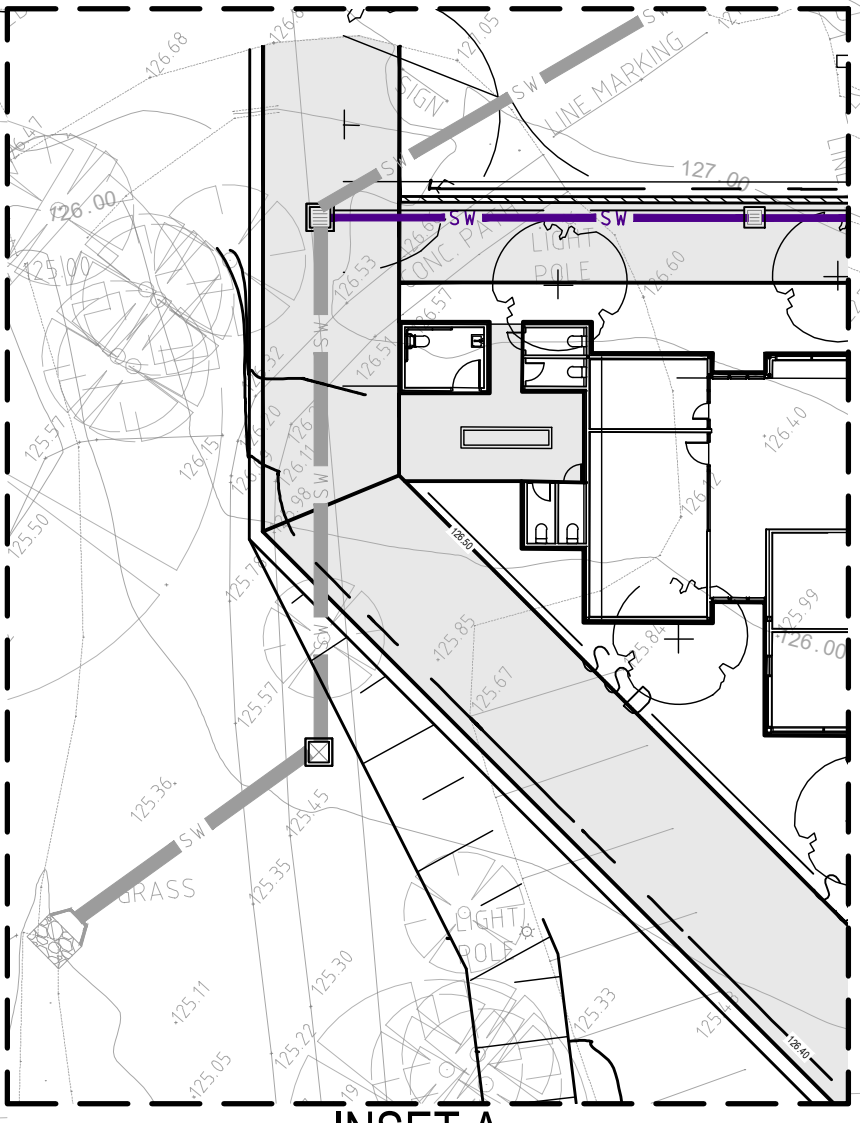
Drawn LW	Checked MP	Approved ---	Revision K
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Project Number
180111

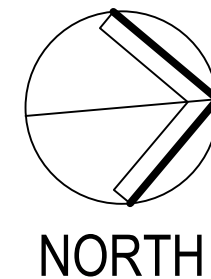
Drawing Number
C2.01



REFER INSET A



INSET A



Rev	Revision Description	Date
G	ISSUE FOR DA	11.07.2019
F	ISSUE FOR DA	02.07.2019
E	ISSUE FOR DA	27.06.2019
D	ISSUE FOR DA	26.06.2019
C	ISSUE FOR DA	21.06.2019
B	ISSUE FOR INFORMATION	17.06.2019
A	ISSUE FOR INFORMATION	02.05.2019



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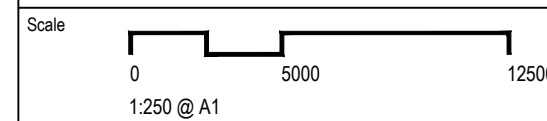
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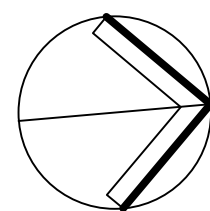
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SITE PLAN - HERBARIUM



Drawn	Checked	Approved	Revision
LW	MP	---	
Project Number	Drawing Number		
180111	C2.02		G

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NORTH



CUT/FILL VOLUMES
CUT - 2844.032 cu.m
FILL - 3219.410 cu.m

NET - 375.378 cu.m FILL

200mm STRIPPED TOPSOIL
ACROSS SITE - 2,590 cu.m

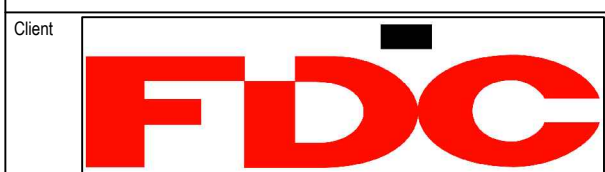
FOR CONTINUATION REFER DRAWING C2.11

Rev	Revision Description	Date
F	ISSUE FOR DA	02.07.2019
E	ISSUE FOR DA	26.06.2019
D	ISSUE FOR DA	21.06.2019
C	ISSUE FOR INFORMATION	19.06.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019



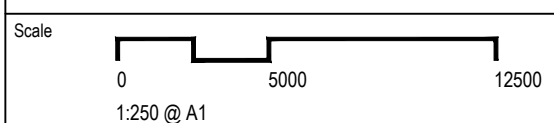
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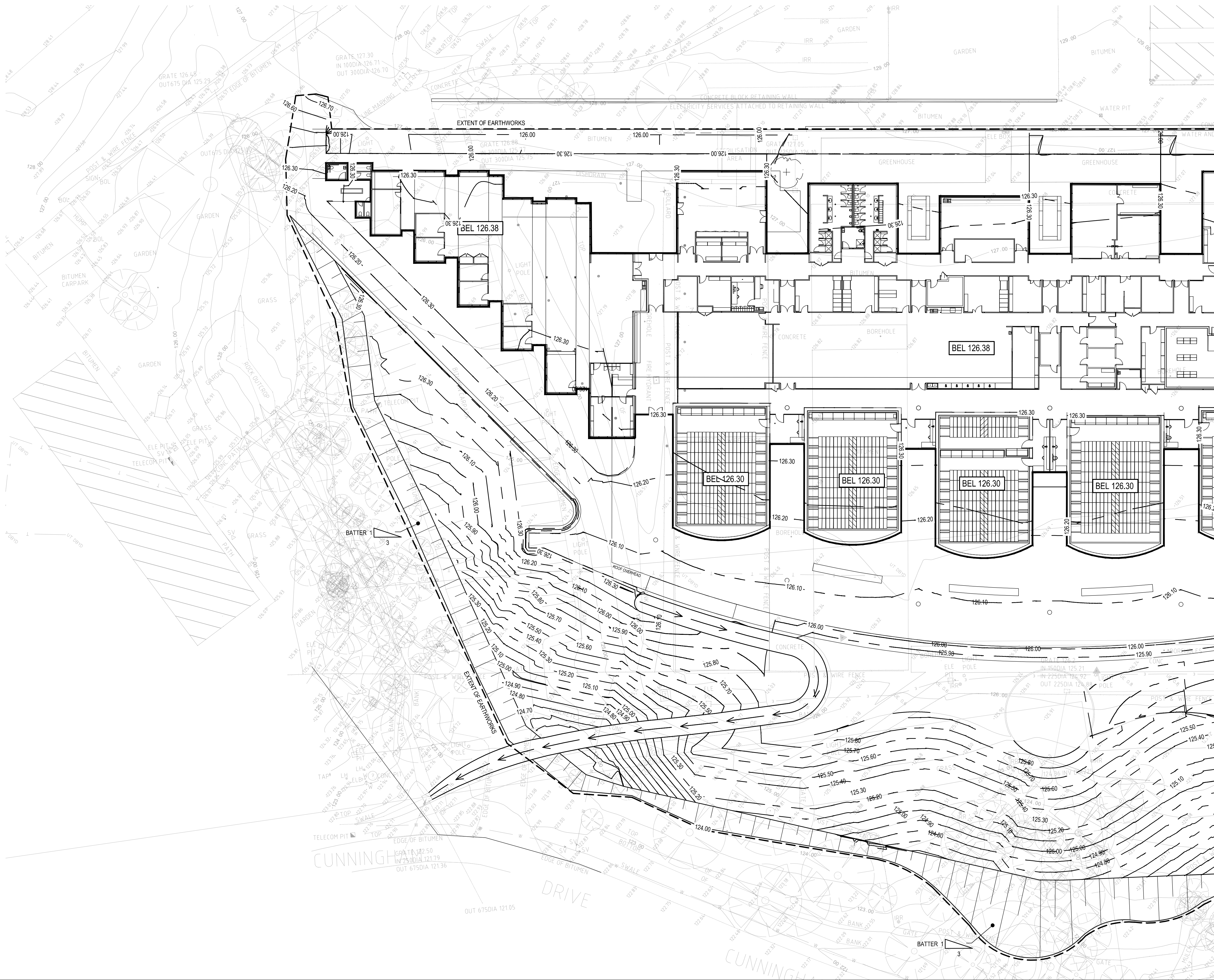
Project
NATIONAL HERBARIUM OF NSW

Title
BULK EARTHWORKS PLAN - SHEET 1



Drawn	Checked	Approved
LW	MP	---

Project Number	Drawing Number	Revision
180111	C2.10	F





NORTH



NET - 245.378 cu.m FILL

200mm STRIPPED TOPSOIL
ACROSS SITE - 2,500 cu.m

F	ISSUE FOR DA	02.07.2019
E	ISSUE FOR DA	26.06.2019
D	ISSUE FOR DA	21.06.2019
C	ISSUE FOR INFORMATION	19.06.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019
Rev	Revision Description	Date



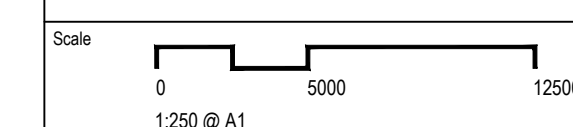
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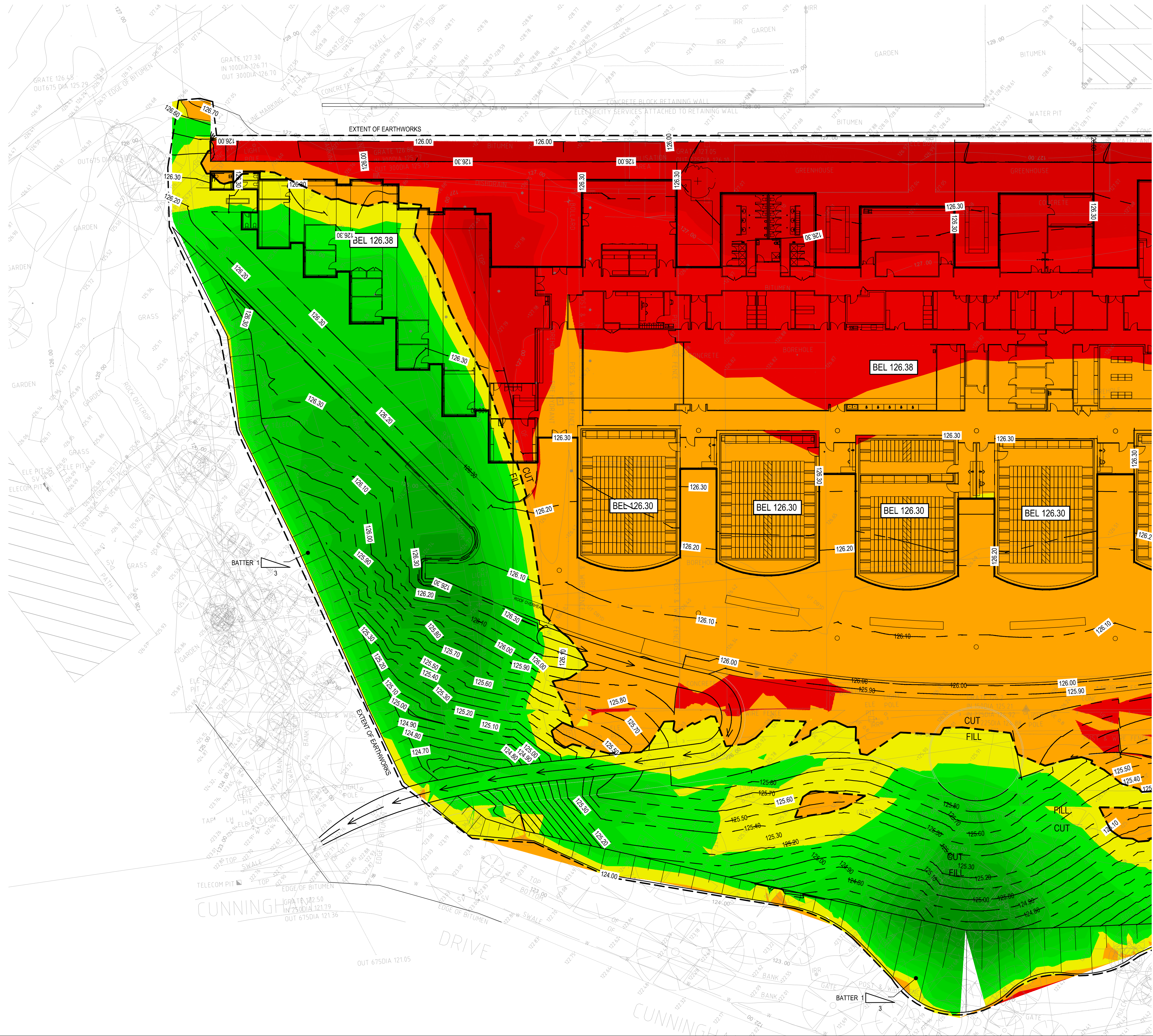
Title	BULK EARTHWORKS PLAN - SHEET 2
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Drawn LW	Checked MP	Approved ---	
Project Number 180111		Drawing Number C2.11	Revision F

FOR CONTINUATION REFER DRAWING C2.10

03/28/2019 - 8:28:34 AM
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Scale

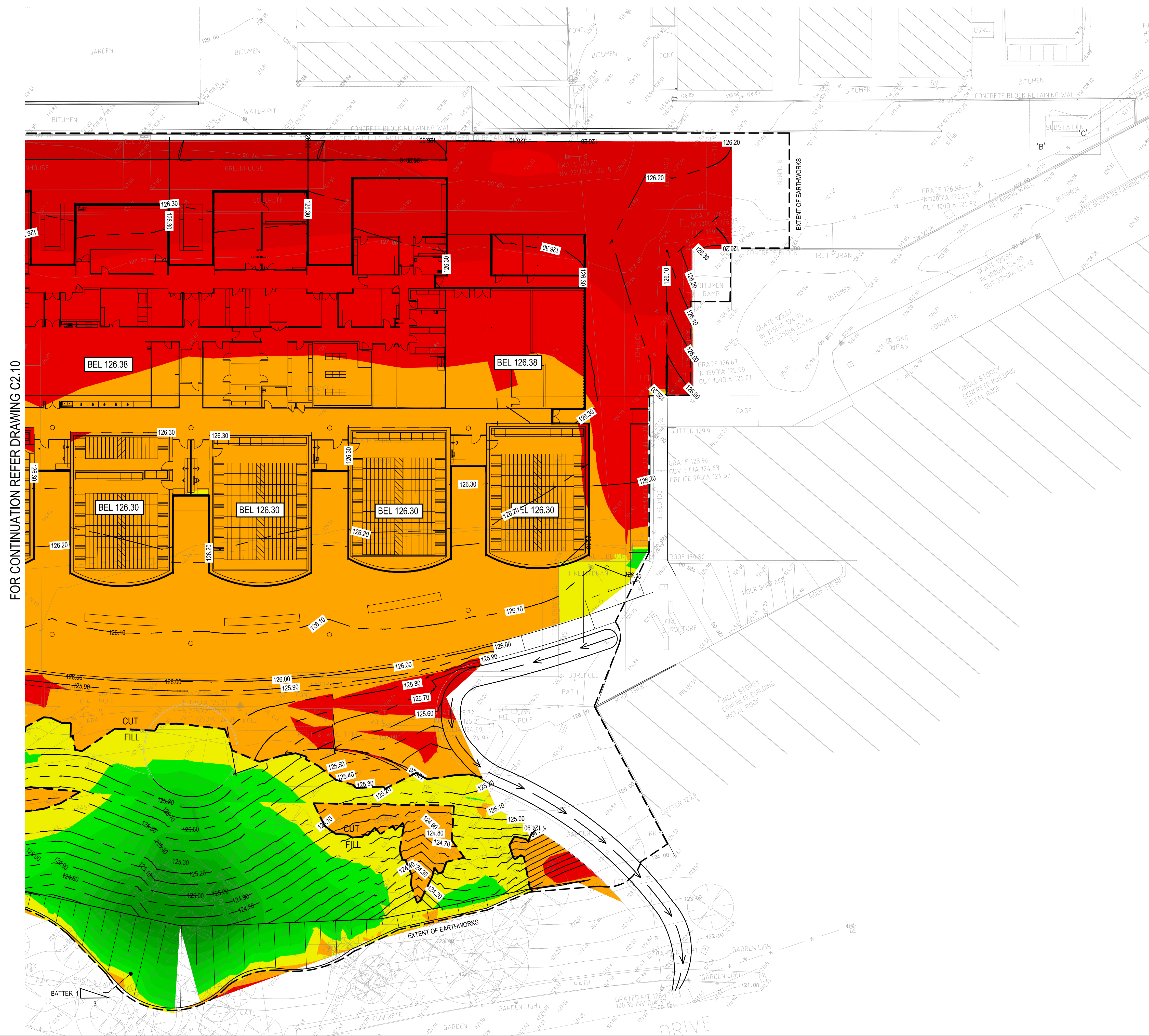


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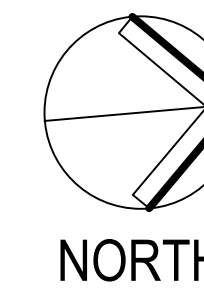
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Drawn LW	Checked MP	Approved ---	
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Project Number	Drawing Number	Revision
180111	C2.15	



LEGEND	Lower		Upper	Color
-9999	to	-3.75	Meters	
-3.75	to	-3.5	Meters	
-3.5	to	-3.25	Meters	
-3.25	to	-3	Meters	
-3	to	-2.75	Meters	
-2.75	to	-2.5	Meters	
-2.5	to	-2.25	Meters	
-2.25	to	-2	Meters	
-2	to	-1.75	Meters	
-1.75	to	-1.5	Meters	
-1.5	to	-1.25	Meters	
-1.25	to	-1	Meters	
-1	to	-.75	Meters	
-0.75	to	-.5	Meters	
-0.5	to	-.25	Meters	
-0.25	to	-0	Meters	
0	to	0.25	Meters	
0.25	to	.5	Meters	
.5	to	.75	Meters	
.75	to	1	Meters	
1	to	1.25	Meters	
1.25	to	1.5	Meters	
1.5	to	1.75	Meters	
1.75	to	2	Meters	
2	to	2.25	Meters	
2.25	to	2.5	Meters	
2.5	to	2.75	Meters	
2.75	to	3	Meters	
3	to	3.25	Meters	
3.25	to	3.5	Meters	
3.5	to	3.0	Meters	
3.0	to	3.25	Meters	
3.25	to	3.5	Meters	
3.5	to	3.75	Meters	
3.75	to	9999	Meters	



B	ISSUE FOR DA	02.07.2019
A	ISSUE FOR DA	26.06.2019
Rev	Revision Description	Date



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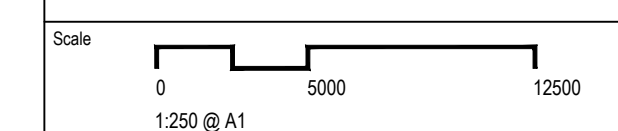
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Project
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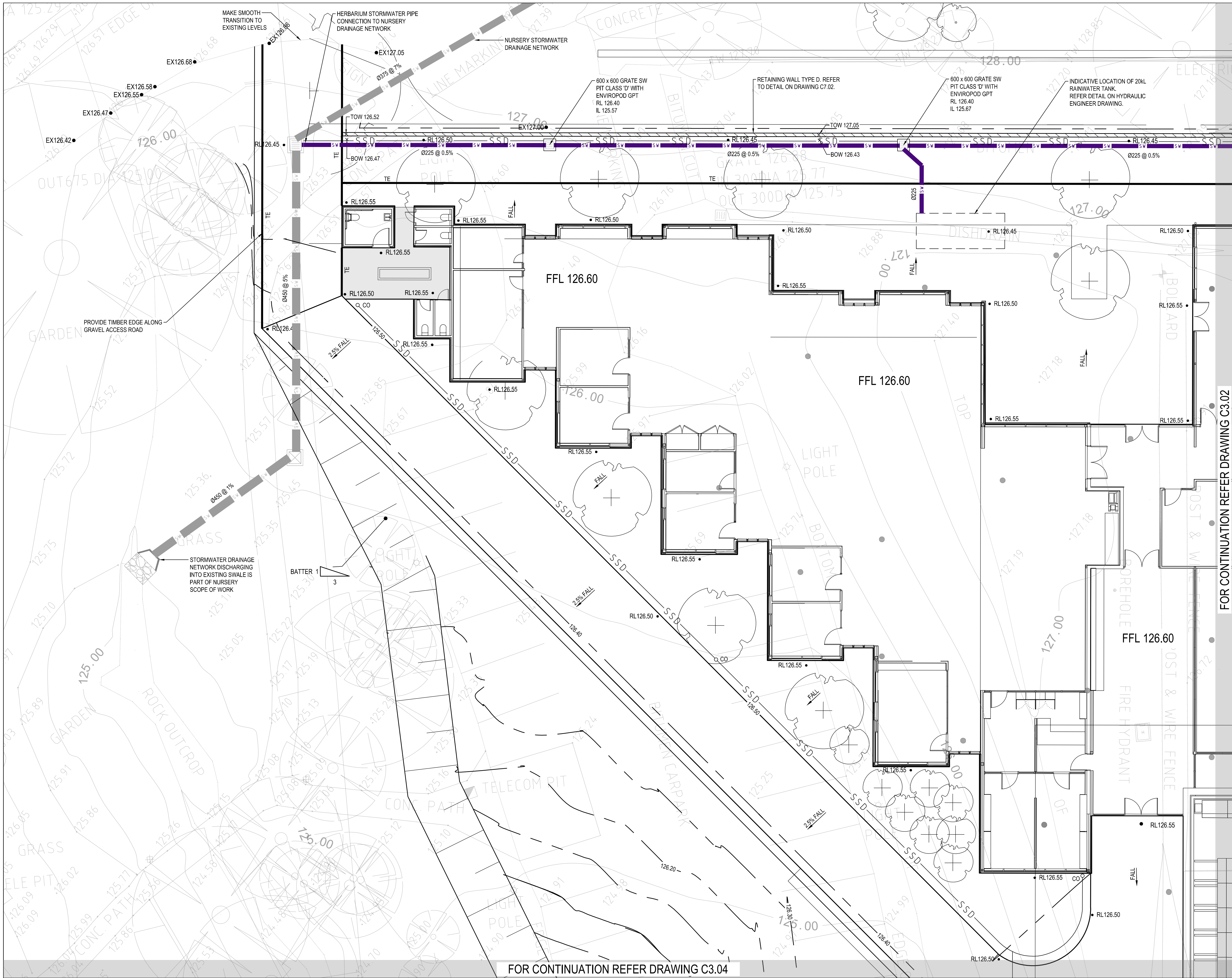
Title

BULK EARTHWORKS CUT FILL PLAN

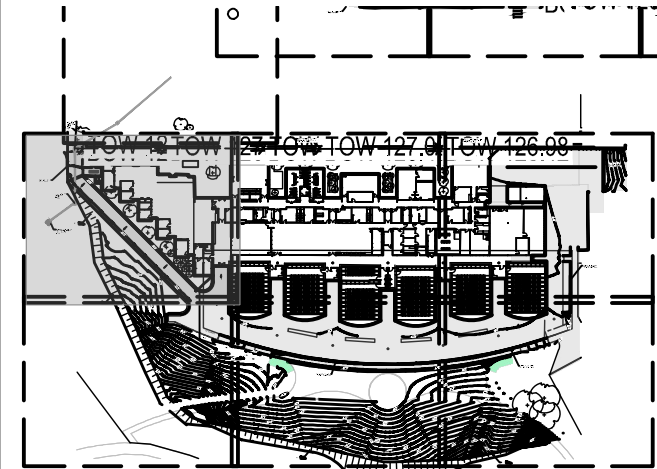
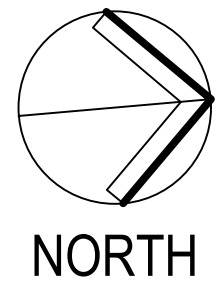
HERBARIUM - SHEET 2



Drawn LW	Checked MP	Approved ---	
Project Number 180111		Drawing Number C2.16	Revision B



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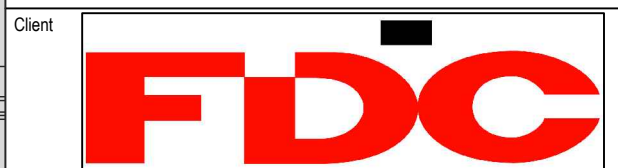
FOR CONTINUATION REFER DRAWING C3.02

Rev	Revision Description	Date
J	ISSUE FOR DA	04.07.2019
I	ISSUE FOR DA	02.07.2019
H	ISSUE FOR DA	27.06.2019
G	ISSUE FOR DA	26.06.2019
F	ISSUE FOR DA	21.06.2019
E	ISSUE FOR INFORMATION	19.06.2019
D	ISSUE FOR INFORMATION	17.06.2019
C	ISSUE FOR INFORMATION	15.05.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019



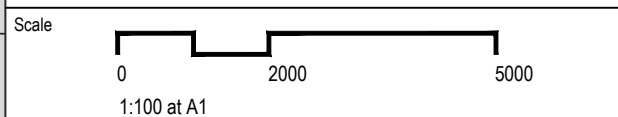
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ABN 80 003 076 024

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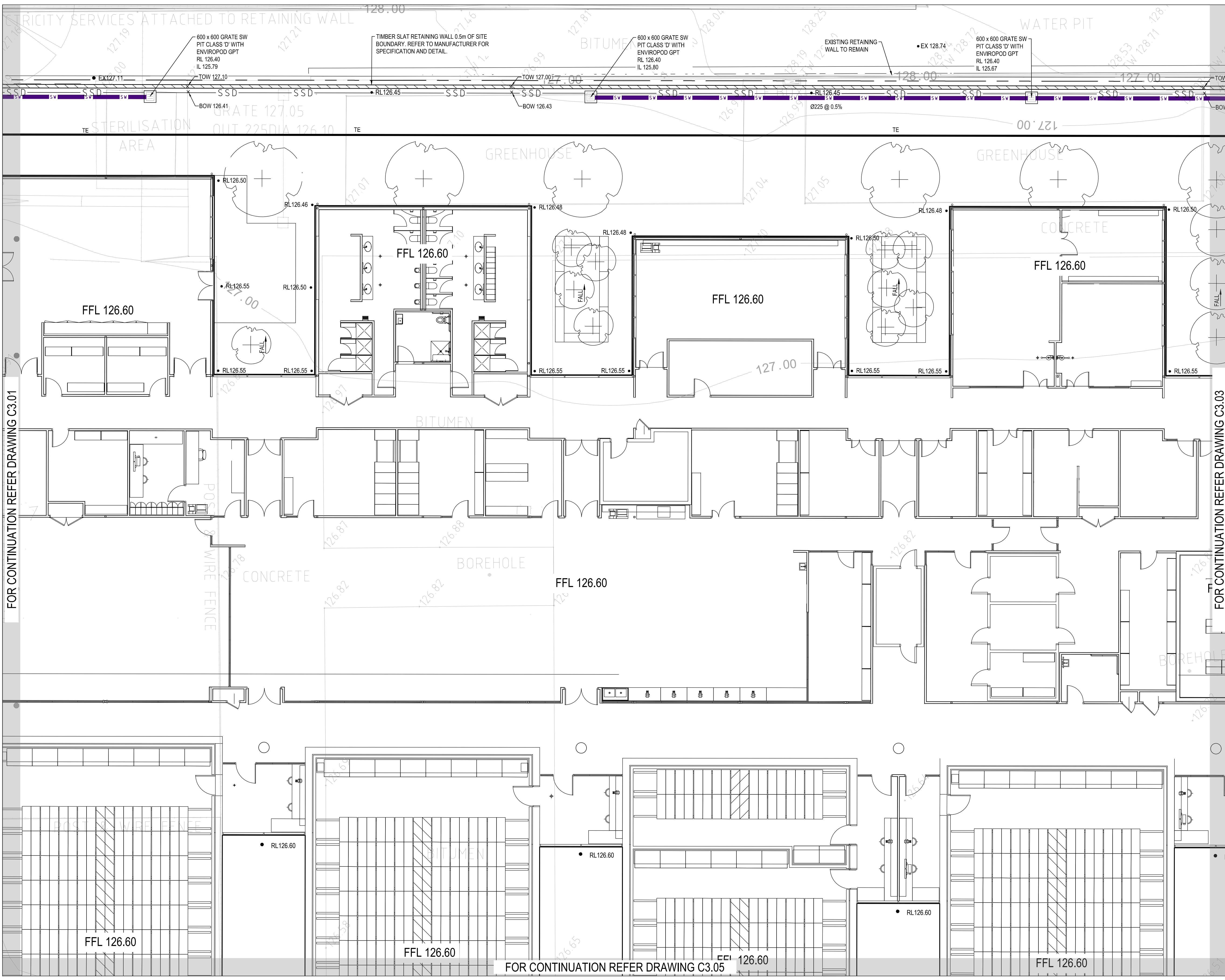
CIVIL GRADING AND DRAINAGE PLAN
HERBARIUM - SHEET 1



Drawn	Checked	Approved
LW	MP	---

Project Number	Drawing Number	Revision
180111	C3.01	J

FOR CONTINUATION REFER DRAWING C3.04



FOR CONTINUATION REFER DRAWING C3.01

FOR CONTINUATION REFER DRAWING C3.03

FOR CONTINUATION REFER DRAWING C3.05

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Rev	Revision Description	Date
I	ISSUE FOR DA	04.07.2019
H	ISSUE FOR DA	02.07.2019
G	ISSUE FOR DA	27.06.2019
F	ISSUE FOR DA	26.06.2019
E	ISSUE FOR DA	21.06.2019
D	ISSUE FOR INFORMATION	19.06.2019
C	ISSUE FOR INFORMATION	17.06.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019

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Project

NATIONAL HERBARIUM OF NSW

Title

CIVIL GRADING AND DRAINAGE PLAN
HERBARIUM - SHEET 2

Scale

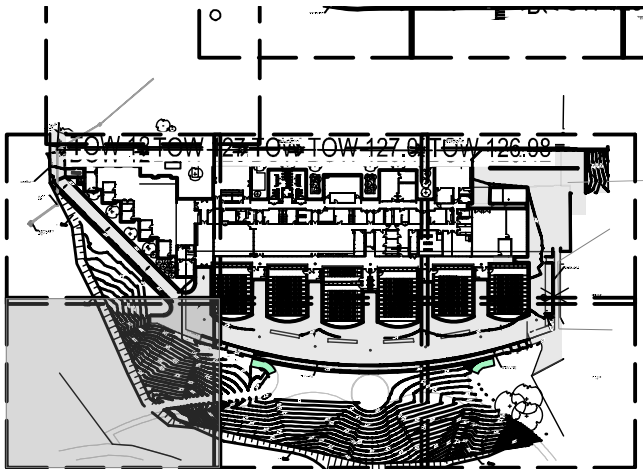
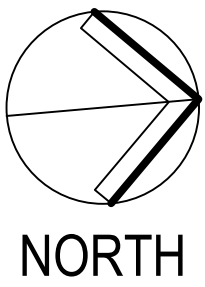
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Drawn	Checked	Approved
LW	MP	---

Project Number	Drawing Number	Revision
180111	C3.02	I

FOR CONTINUATION REFER DRAWING C3.01

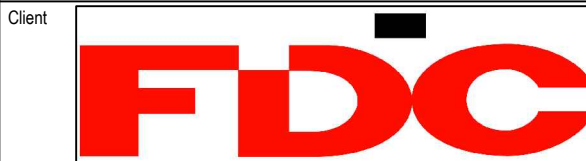
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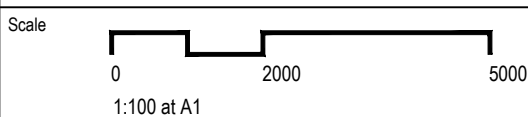
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I	ISSUE FOR DA	02.07.2019
H	ISSUE FOR DA	27.06.2019
G	ISSUE FOR DA	26.06.2019
F	ISSUE FOR DA	21.06.2019
E	ISSUE FOR INFORMATION	19.06.2019
D	ISSUE FOR INFORMATION	17.06.2019
C	ISSUE FOR INFORMATION	15.05.2019
B	ISSUE FOR DA	28.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019
Rev	Revision Description	Date

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NATIONAL HERBARIUM OF NSW

CIVIL GRADING AND DRAINAGE PLAN
HERBARIUM - SHEET 4



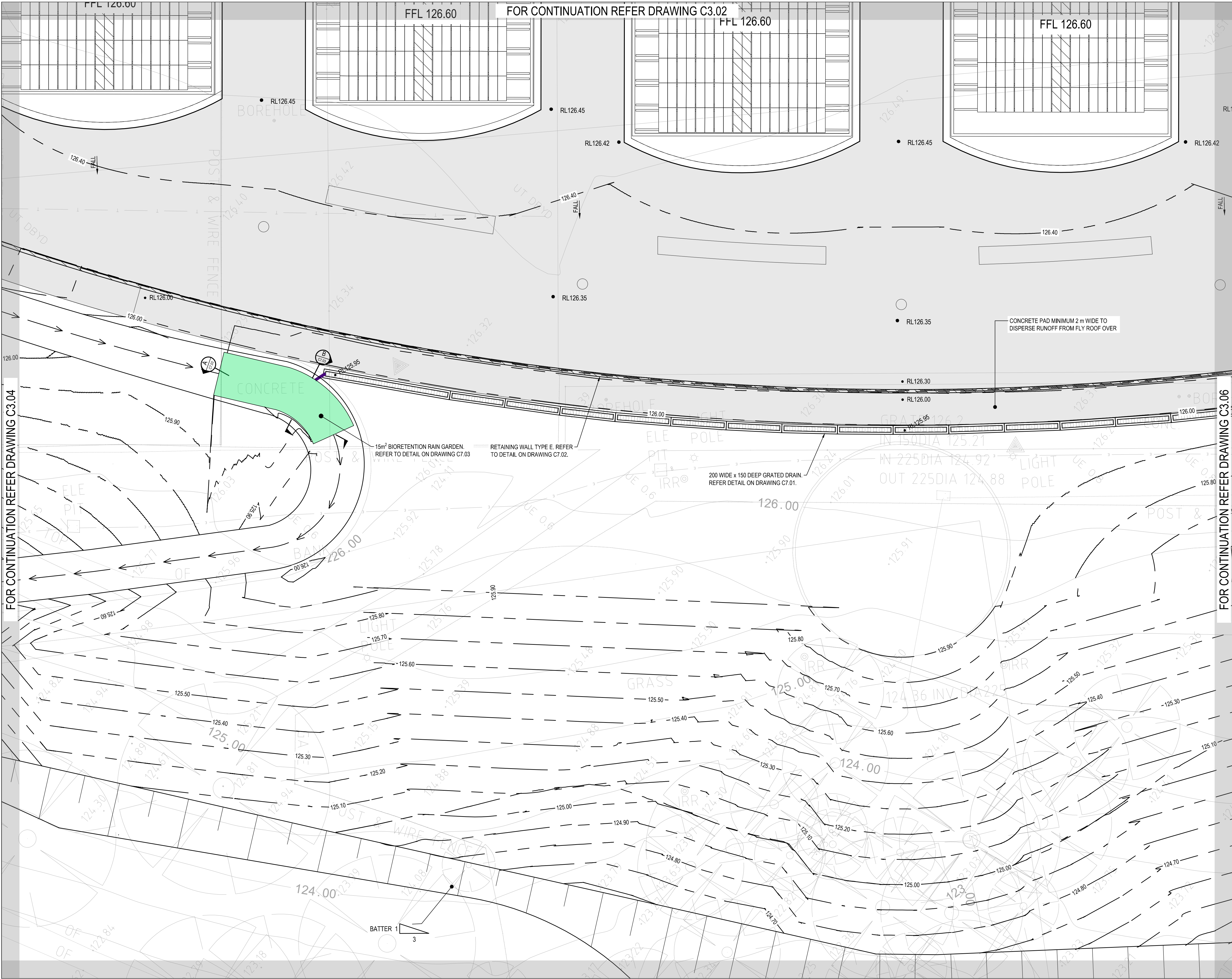
Drawn	Checked	Approved	Revision
LW	MP	---	J
Project Number	Drawing Number		
180111	C3.04		

BATTER 1
3

2.5m WIDE x 0.3m DEEP GRASS LINED SWALE. MIN 1% FALL REFER TO DETAIL ON DRAWING C7.01.

EXISTING 900 x 900 GRATE SW PIT TO REMAIN. INSTALL ENVIROPOD GPT TO THE PIT.

EXISTING Ø675 SW PIPE UNDER CUNNINGHAM DRIVE TO REMAIN



FOR CONTINUATION REFER DRAWING C3.04

FOR CONTINUATION REFER DRAWING C3.06

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Client: **FDC**

Project: **NATIONAL HERBARIUM OF NSW**

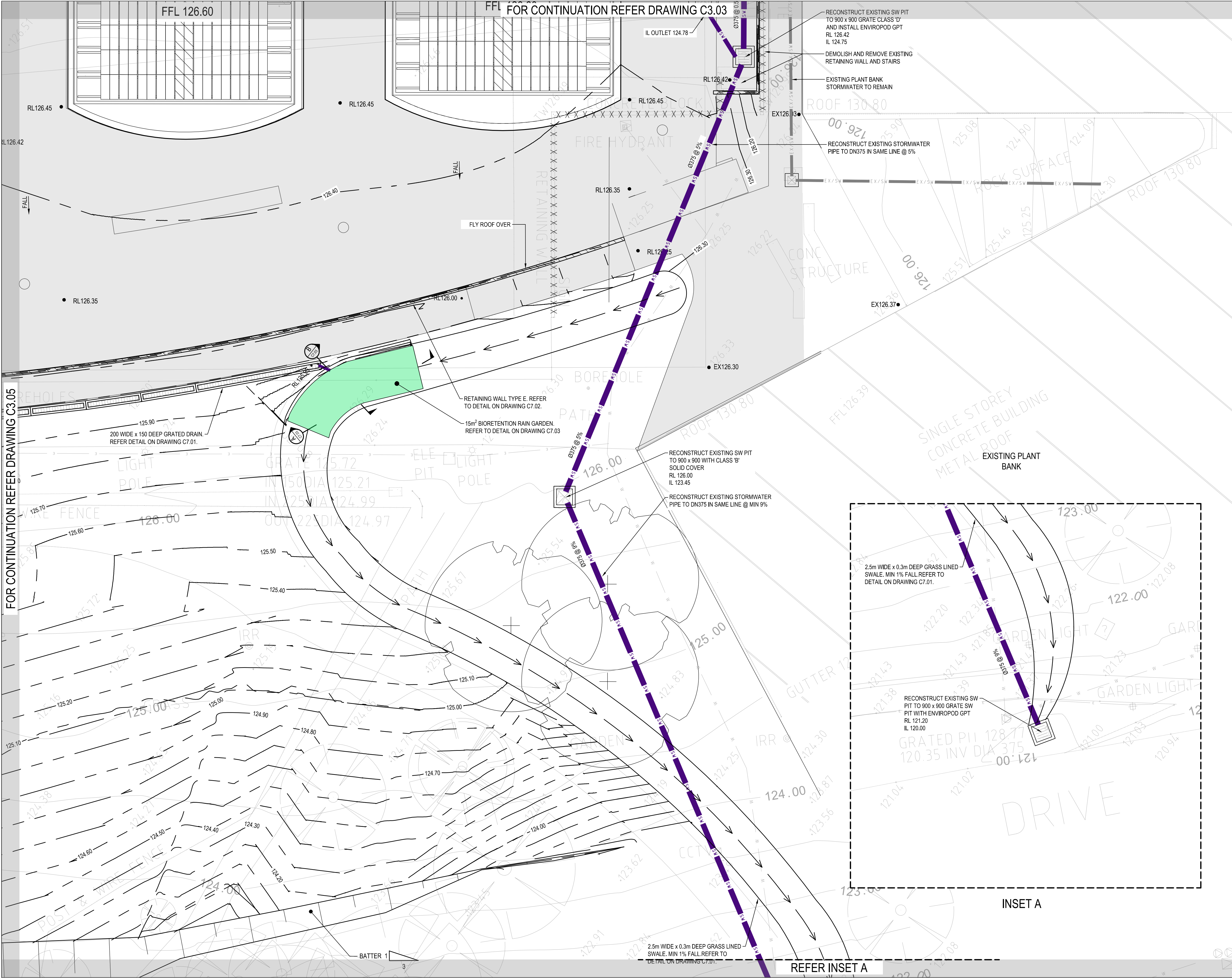
Title: **CIVIL GRADING AND DRAINAGE PLAN
HERBARIUM - SHEET 5**

Scale: 1:100 at A1

Drawn: LW
Checked: MP
Approved: ---

Project Number: 180111
Drawing Number: C3.05
Revision: J

Rev	Revision Description	Date
J	ISSUE FOR DA	10.07.2019
I	ISSUE FOR DA	04.07.2019
H	ISSUE FOR DA	02.07.2019
G	ISSUE FOR DA	27.06.2019
F	ISSUE FOR DA	26.06.2019
E	ISSUE FOR DA	21.06.2019
D	ISSUE FOR INFORMATION	19.06.2019
C	ISSUE FOR INFORMATION	17.06.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019



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Rev	Revision Description	Date
J	ISSUE FOR DA	10.07.2019
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H	ISSUE FOR DA	02.07.2019
G	ISSUE FOR DA	27.06.2019
F	ISSUE FOR DA	26.06.2019
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D	ISSUE FOR INFORMATION	19.06.2019
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A	50% DESIGN DEVELOPMENT	15.04.2019

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Title

CIVIL GRADING AND DRAINAGE PLAN
HERBARIUM - SHEET 6

Scale

0 2000 5000
1:100 at A1

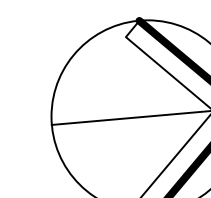
Drawn	Checked	Approved
LW	MP	---

Project Number
180111

Drawing Number
C3.06

Revision
J

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NORTH



TOTAL SITE AREA - 12,060m²

TOTAL EXISTING
IMPERVIOUS AREA - 9.900m²

TOTAL IMPERVIOUS
PERCENTAGE - 82%

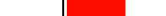


B	ISSUE FOR DA		09.07.2019
A	ISSUE FOR DA		28.04.2019
Doc.	Description Description	Date	



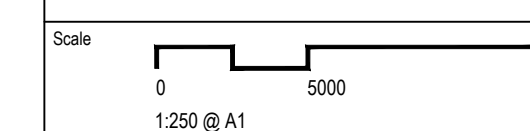
L2 Danchen House
507 Kent St Sydney NSW 2000
ABN 80 003 076 024

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mail@scpcconsult.com.au
www.scpcconsult.com.au

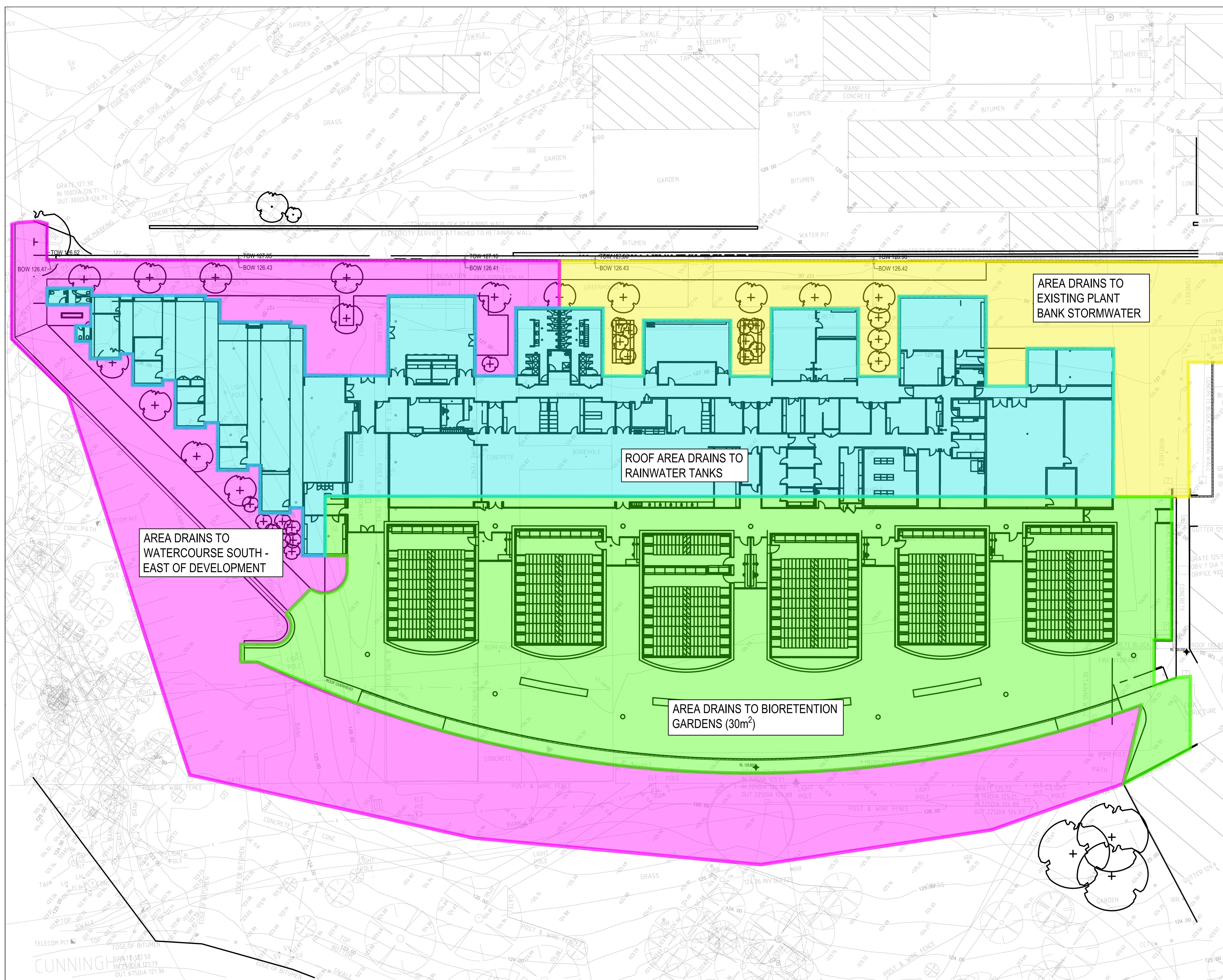
Client 

NATIONAL HERBARIUM OF NSW

Title	EXISTING CATCHMENT PLAN - HERBARIUM
-------	--



Drawn LW	Checked MP	Approved ---	
Project Number 180111		Drawing Number C3.20	Revision B



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NORTH

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TOTAL SITE AREA - 12,290m²

TOTAL CATCHMENT DRAINING TO BIORETENTION - 4,340m²

TOTAL CATCHMENT DRAINING TO RAINWATER TANK - 3,160m²

TOTAL PERVIOUS AREA BYPASSING BIORETENTION & RAINWATER TANK - 3,510m²

TOTAL IMPERVIOUS AREA BYPASSING BIORETENTION & RAINWATER TANK - 1,280m²

TOTAL IMPERVIOUS PERCENTAGE - 72%

Rev	Revision Description	Date
D	ISSUE FOR DA	02.07.2019
C	ISSUE FOR DA	26.06.2019
B	ISSUE FOR DA	21.06.2019
A	ISSUE FOR DA	26.04.2019

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Client

FDC

Project

NATIONAL HERBARIUM OF NSW

Title

PROPOSED CATCHMENT PLAN - HERBARIUM

Scale

0 5000 12500

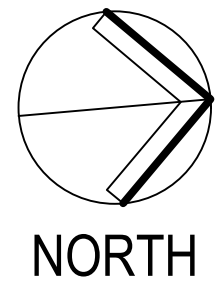
1:250 @ A1

Drawn	Checked	Approved	Revision
LW	MP	---	

Project Number	Drawing Number	Revision
180111	C3.21	D

SCPs Consulting Pty Ltd K18611 Macquarie Business Gardens Westmead NSW 2145
02 9267 9312
02 9267 9312
02 9267 9312

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FOR CONTINUATION REFER DRAWING C4.02

F	ISSUE FOR DA	04.07.2019
E	ISSUE FOR DA	02.07.2019
D	ISSUE FOR DA	26.06.2019
C	ISSUE FOR DA	21.06.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019
Rev	Revision Description	Date



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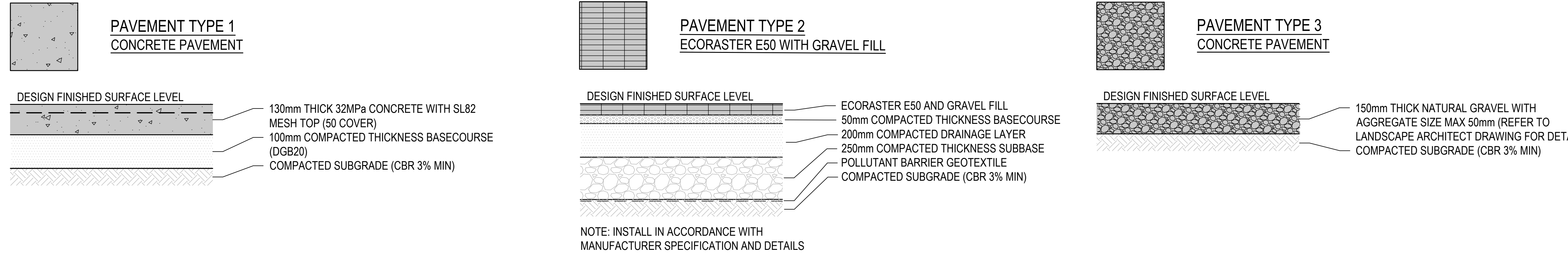
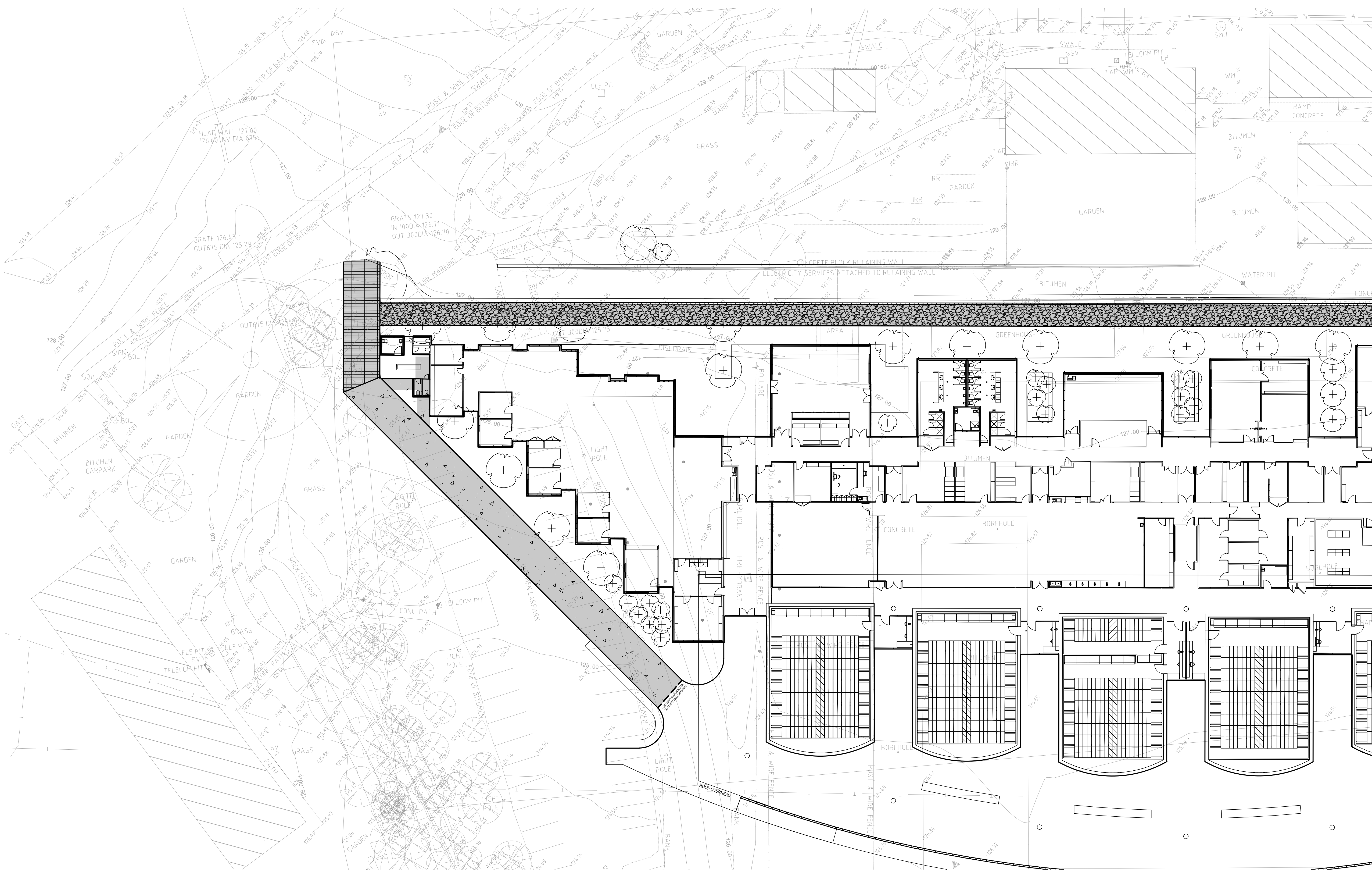
NATIONAL HERBARIUM OF NSW

Title
PAVEMENT PLAN HERBARIUM - SHEET 1

Scale
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1:250 @ A1

Drawn	Checked	Approved
LW	MP	---

Project Number	Drawing Number	Revision
180111	C4.01	F





NORTH



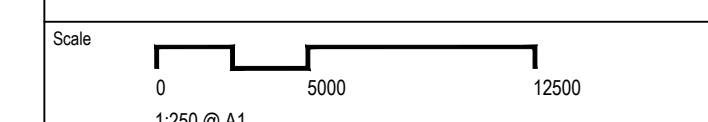
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Client	
Project	NATIONAL HERBARIUM OF NSW

Title	PAVEMENT PLAN HERBARIUM - SHEET 2
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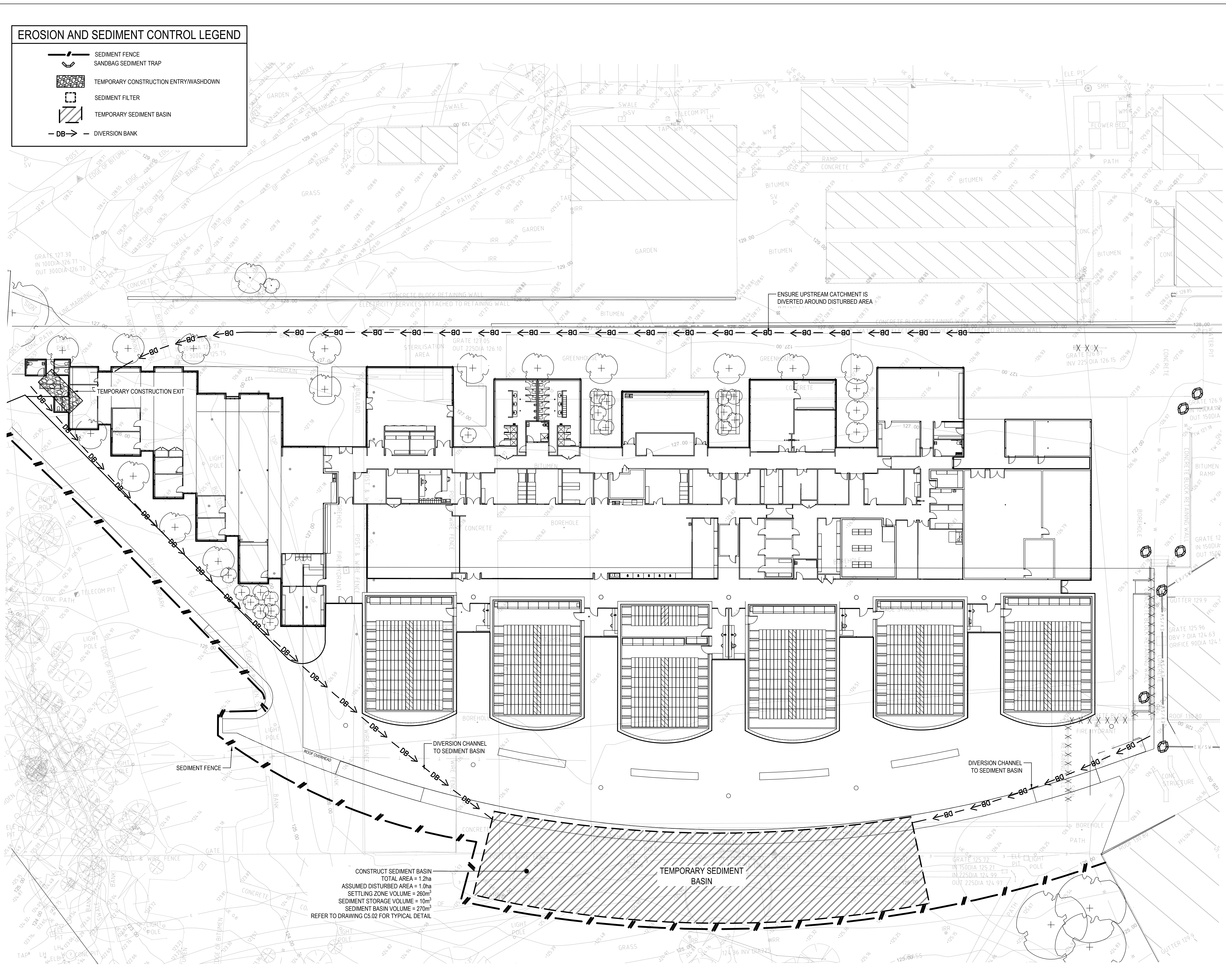
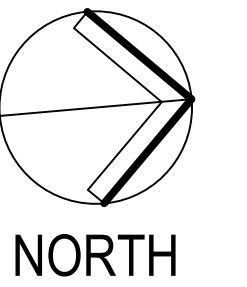
Drawn LW	Checked MP	Approved ---	
Project Number 180111		Drawing Number C4.02	Revision G

FOR CONTINUATION REFER DRAWING C4.01

LOTTED BY CAD 04/27/2019 - 12:27:27 PM SCP Consulting, File Path: K:\180111 Mount Ararat Botanical Gardens Herbier\art07_Civil\BMD\Drawings\180111_CA-01 PAVEMENT PLAN.dwg

EROSION AND SEDIMENT CONTROL LEGEND

- SEDIMENT FENCE
- SANDBAG SEDIMENT TRAP
- TEMPORARY CONSTRUCTION ENTRY/WASHDOWN
- SEDIMENT FILTER
- TEMPORARY SEDIMENT BASIN
- DIVERSION BANK



E	ISSUE FOR DA	02.07.2019
D	ISSUE FOR DA	26.06.2019
C	ISSUE FOR DA	21.06.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019

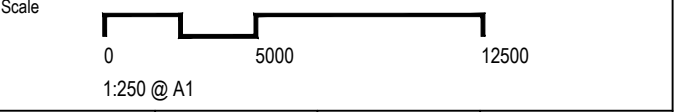
Rev	Revision Description	Date
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NATIONAL HERBARIUM OF NSW

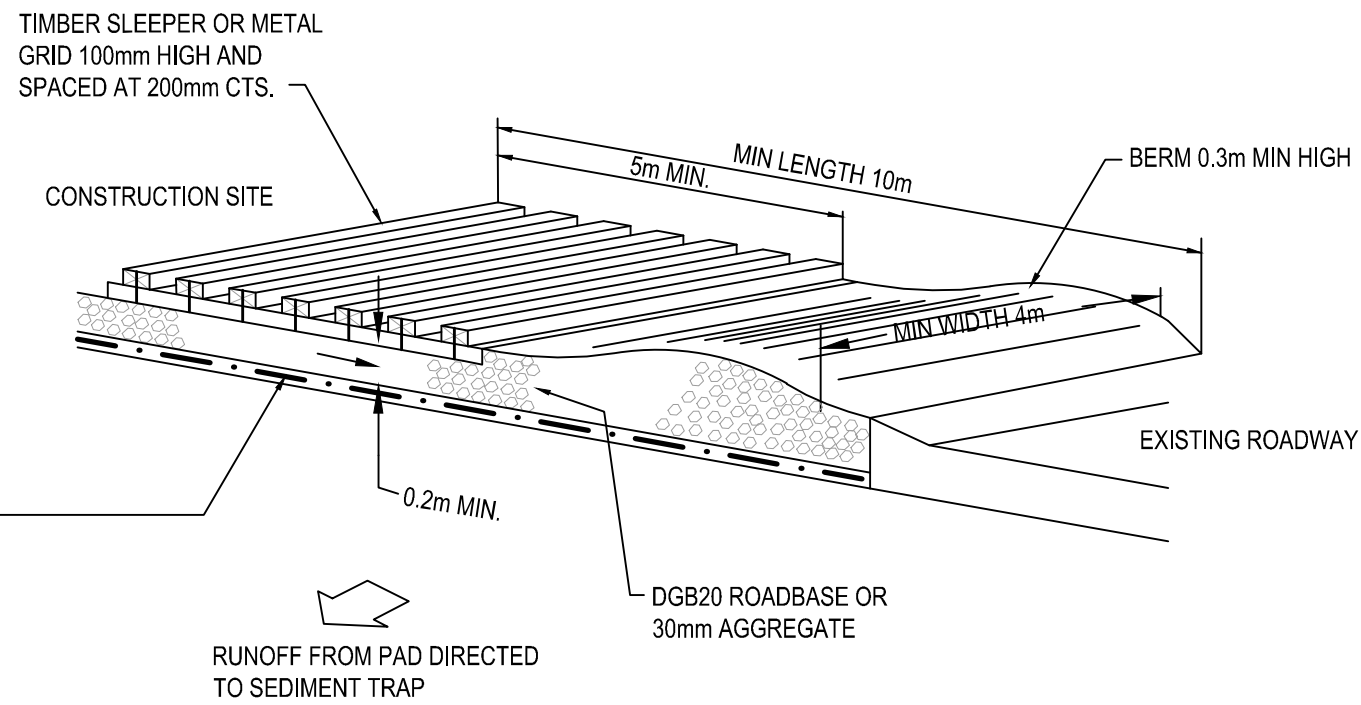
Soil Sediment and Erosion Plan - Herbarium



Drawn	Checked	Approved	Revision
LW	MP	---	E
Project Number	Drawing Number		
180111	C5.01		

- NOTE:
1. CONTRACTOR SHALL CONDUCT A DIAL BEFORE YOU DIG SEARCH PRIOR TO COMMENCEMENT OF ANY WORK.
 2. ENSURE THAT ALL COUNCIL AND PUBLIC UTILITY ASSETS ARE MAINTAINED AND PROTECTED AT ALL TIMES IN THE VICINITY OF THE TEMPORARY CONSTRUCTION EXIT.

GEOTEXTILE FABRIC DESIGNED TO PREVENT INTERMIXING OF SUBGRADE AND BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUB-BASE LAYERS. GEOTEXTILE MAY BE WOVEN OR NEEDLE PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706.4-90) OF 2500N.



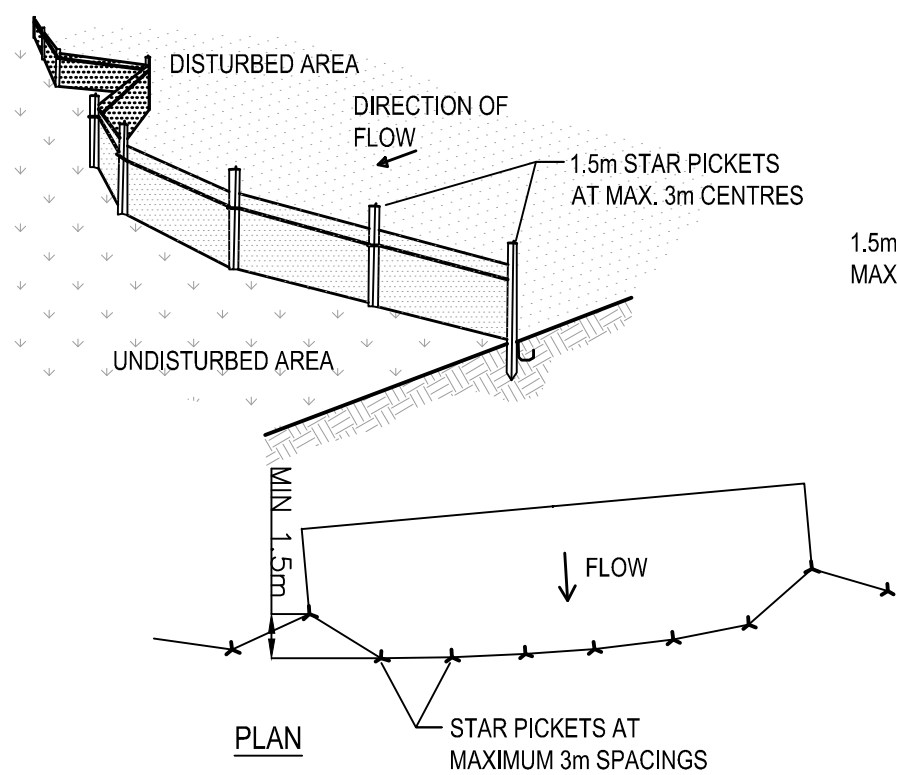
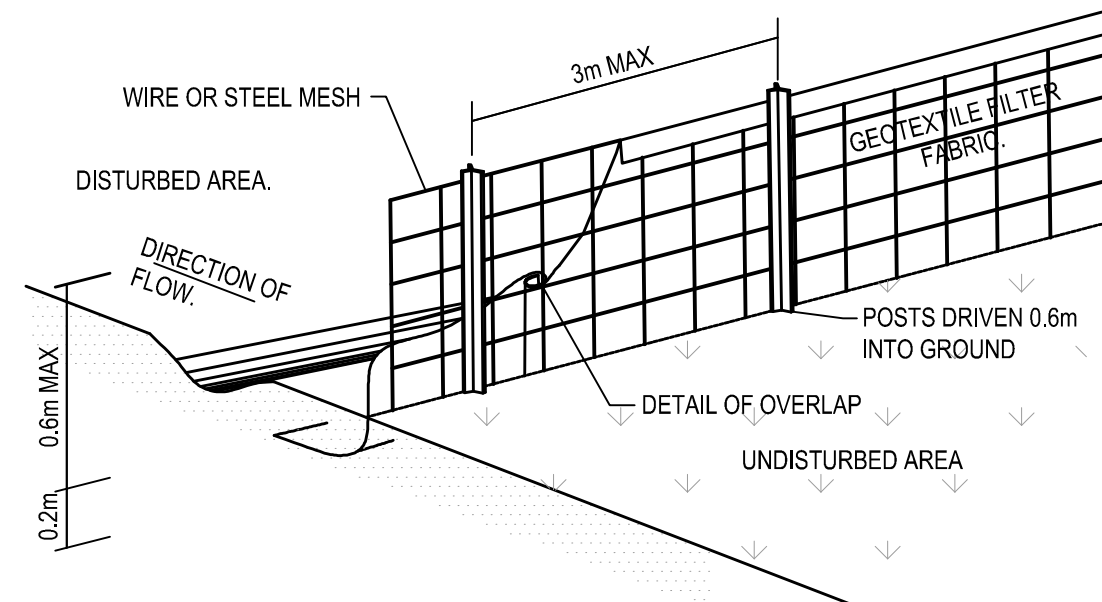
CONSTRUCTION NOTES

1. STRIP TOPSOIL AND LEVEL SITE.
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200MM THICK PAD OVER GEOTEXTILE USING ROADBASE OR 30MM AGGREGATE.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP WHERE THE SEDIMENT IS COLLECTED AND REMOVED.

MAINTENANCE NOTES

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS TRACKING OR FLOWING OF SEDIMENT OFF THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED OFF THE CONSTRUCTION SITE MUST BE REMOVED IMMEDIATELY.

TEMPORARY STABILISED CONSTRUCTION EXIT

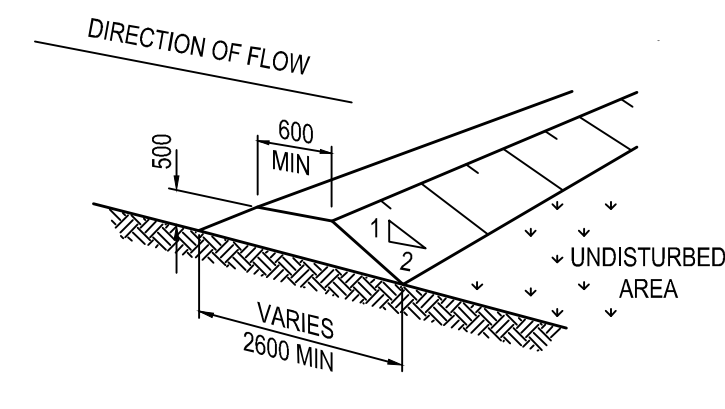


CONSTRUCTION NOTES

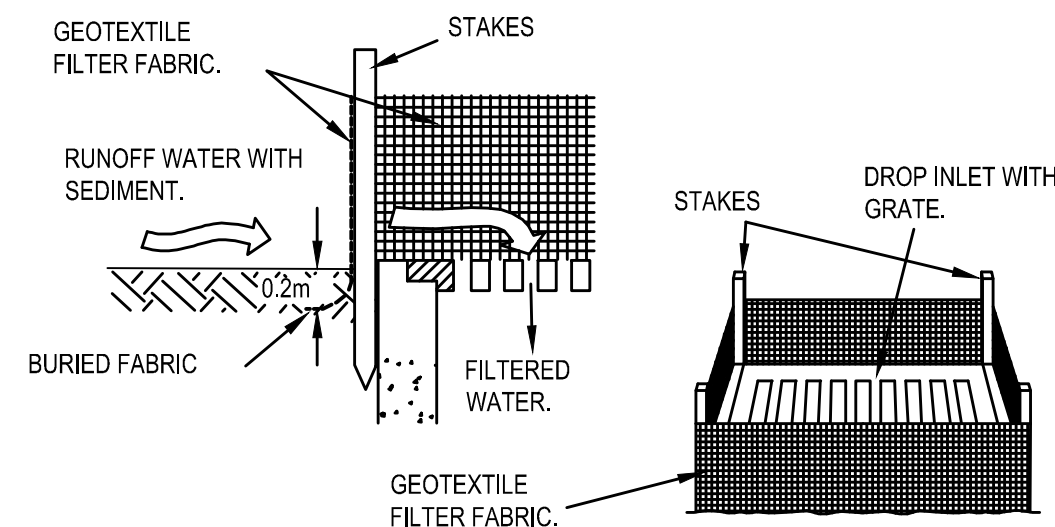
1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 3 METRES APART.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

SEDIMENT CONTROL FENCE

NTS

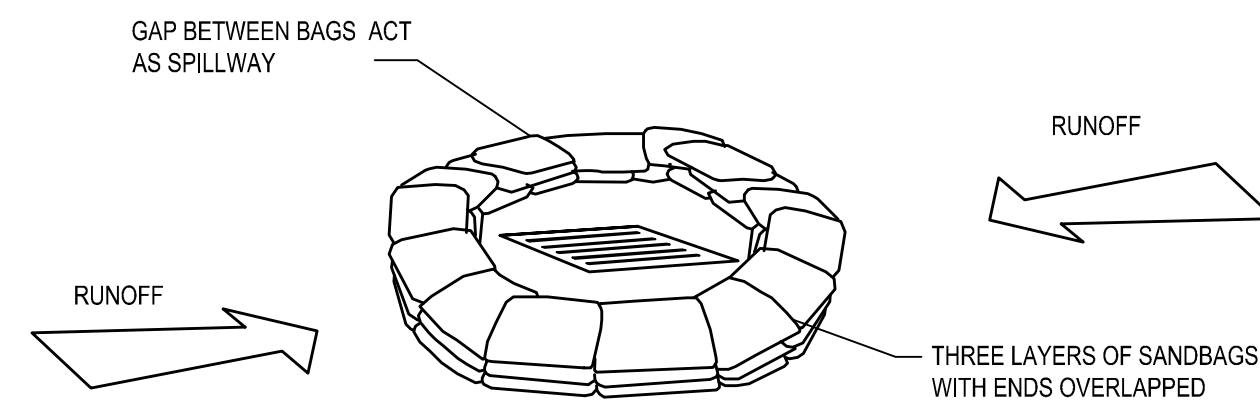


DIVERSION BANK



GEOTEXTILE FILTER FABRIC DROP INLET SEDIMENT TRAP.

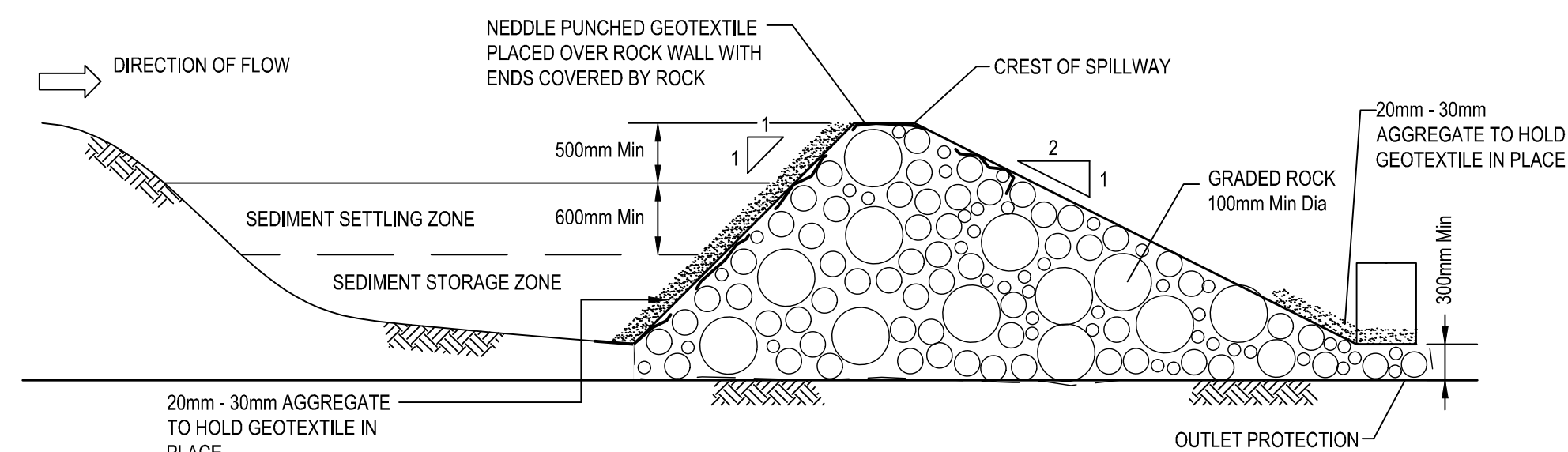
NTS



SANDBAG SEDIMENT TRAP - AT OTHER THAN KERB SAG PIT

SANDBAG SEDIMENT TRAP DETAILS

NTS



SEDIMENT BASIN DETAIL

NTS

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

- E1. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND ANY OTHER PLANS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED AND RELATING TO DEVELOPMENT AT THE SUBJECT SITE.
- E2. THE SITE SUPERINTENDENT WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS INSTRUCTED IN THIS SPECIFICATION.
- E3. ALL BUILDERS AND SUB-CONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.

CONSTRUCTION SEQUENCE

- E4. THE SOIL EROSION POTENTIAL ON THIS SITE SHALL BE MINIMISED. HENCE WORKS SHALL BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
 - a. INSTALL SEDIMENT FENCES, TEMPORARY CONSTRUCTION EXIT AND SANDBAG KERB INLET SEDIMENT TRAP.
 - b. UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

- E5. DURING WINDY CONDITIONS, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
- E6. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

FENCING

- E7. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
- E8. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- E9. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

- E10. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- E11. RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER ARE TO BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE SHALL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT.

SITE INSPECTION & MAINTENANCE

- E12. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AFTER RAINFALL EVENTS TO ENSURE THAT THEY OPERATE EFFECTIVELY. REPAIR AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED.

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F	ISSUE FOR DA	02.07.2019
E	ISSUE FOR DA	26.06.2019
D	ISSUE FOR DA	21.06.2019
C	100% DESIGN DEVELOPMENT	22.05.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019
Rev	Revision Description	Date



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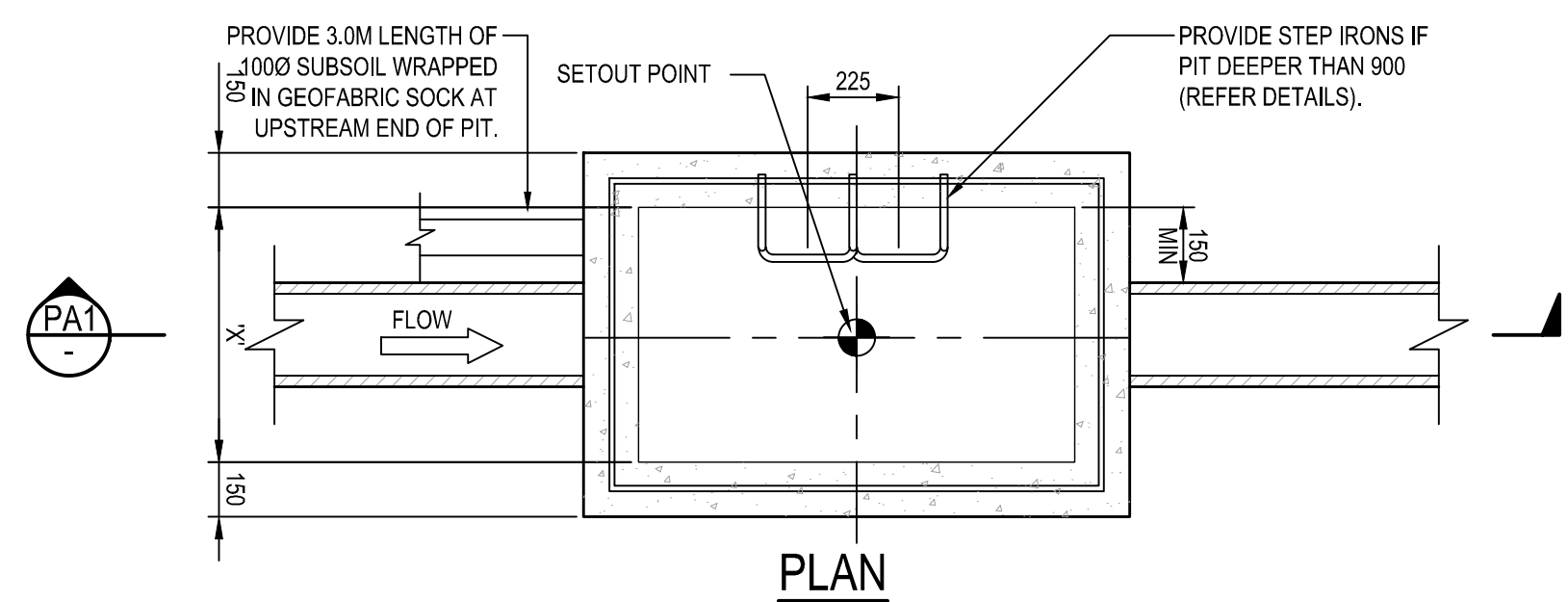
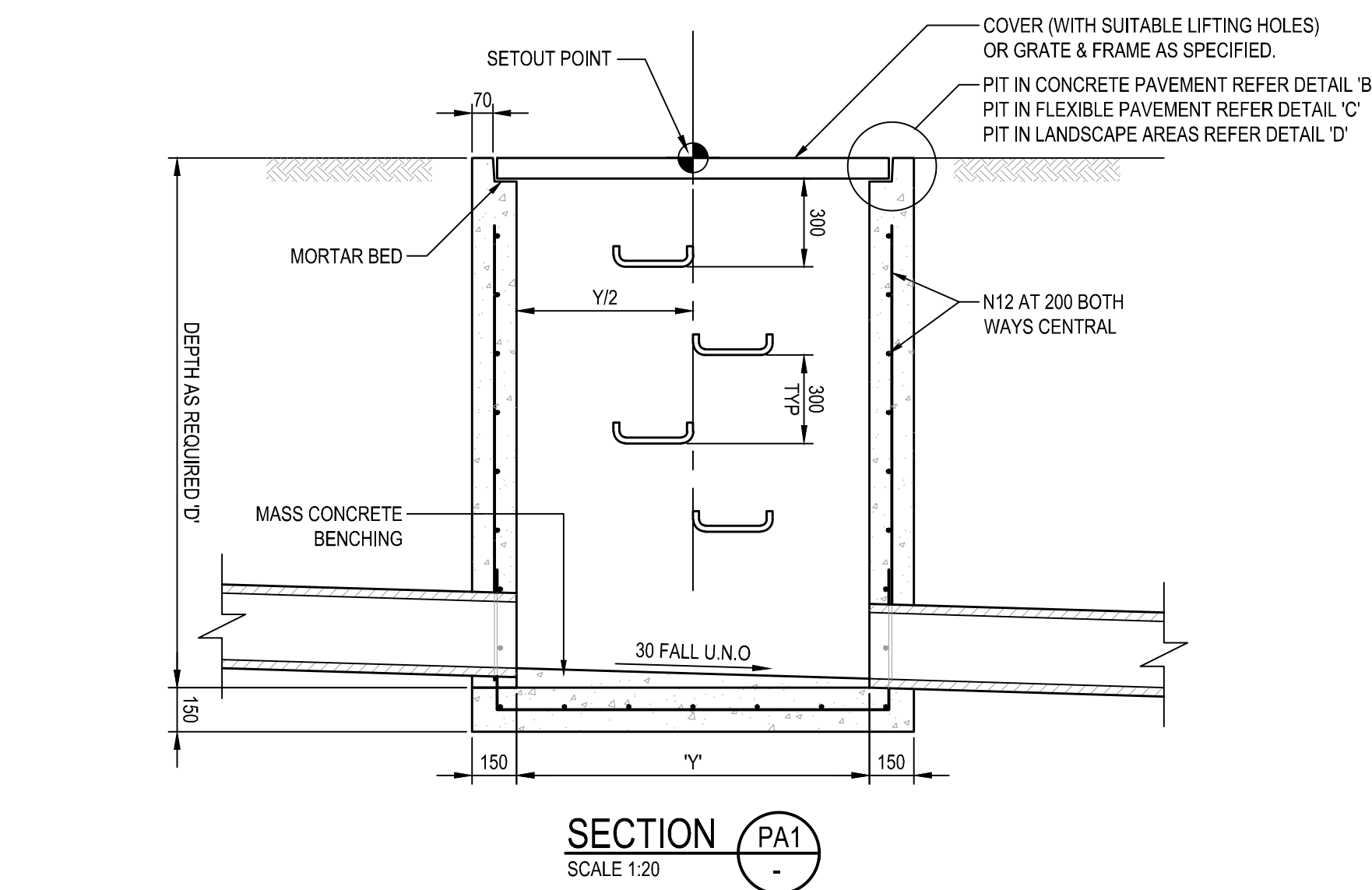
Project
NATIONAL HERBARIUM OF NSW

Title
SOIL SEDIMENT AND EROSION DETAILS

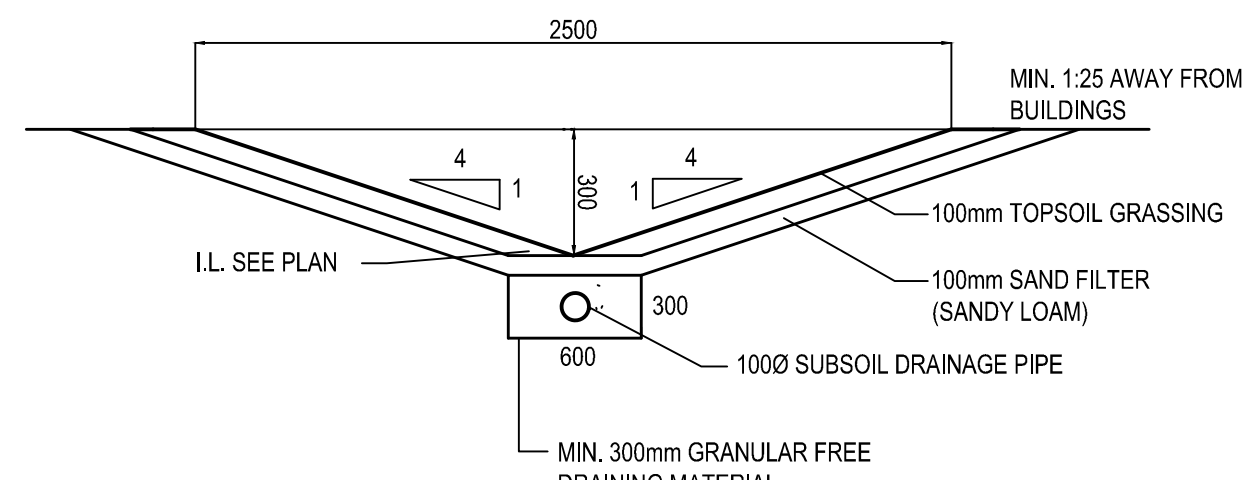
Scale
AS SHOWN AT A1

Drawn LW	Checked MP	Approved ---	
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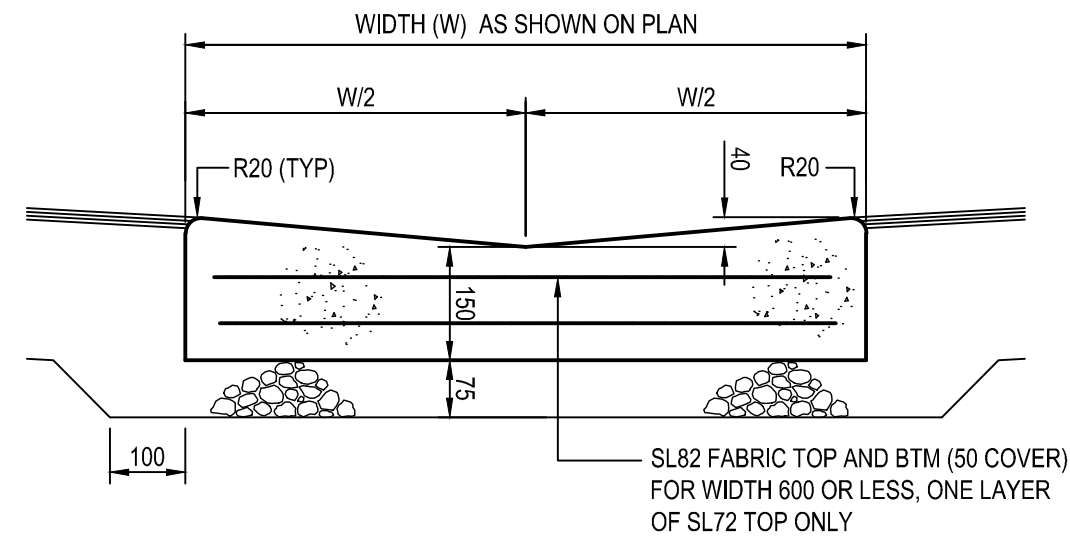
Project Number 180111	Drawing Number C5.02	Revision F
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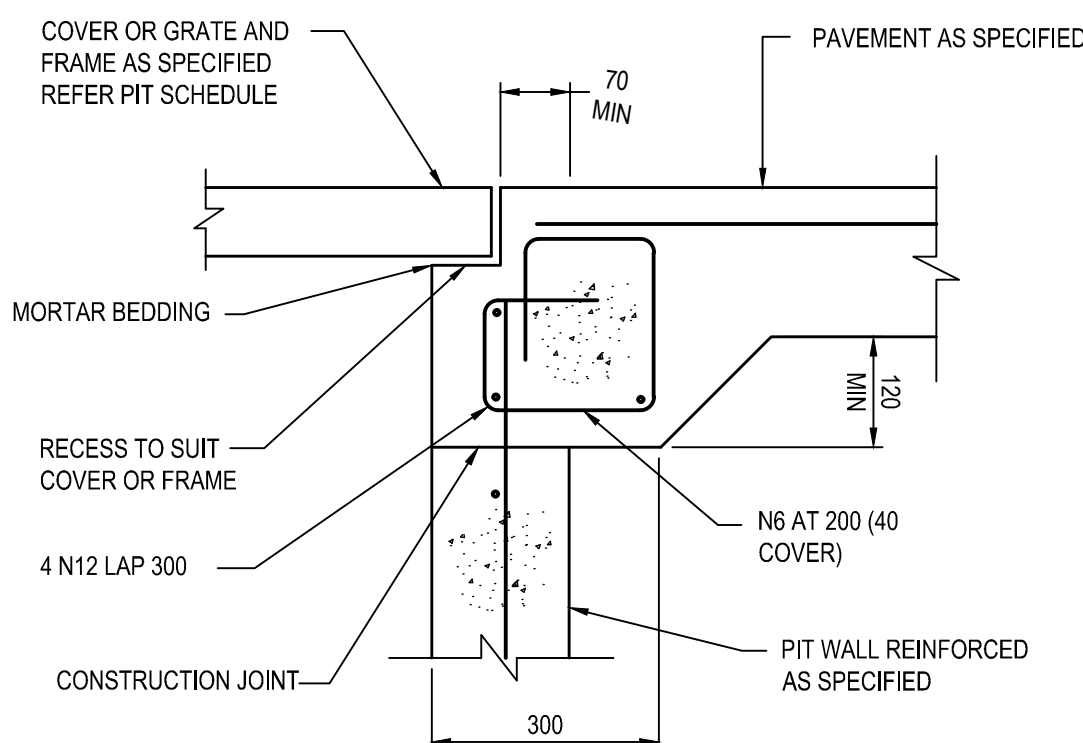
SURFACE INLET/JUNCTION PIT TYPE 'A'
SCALE 1:20



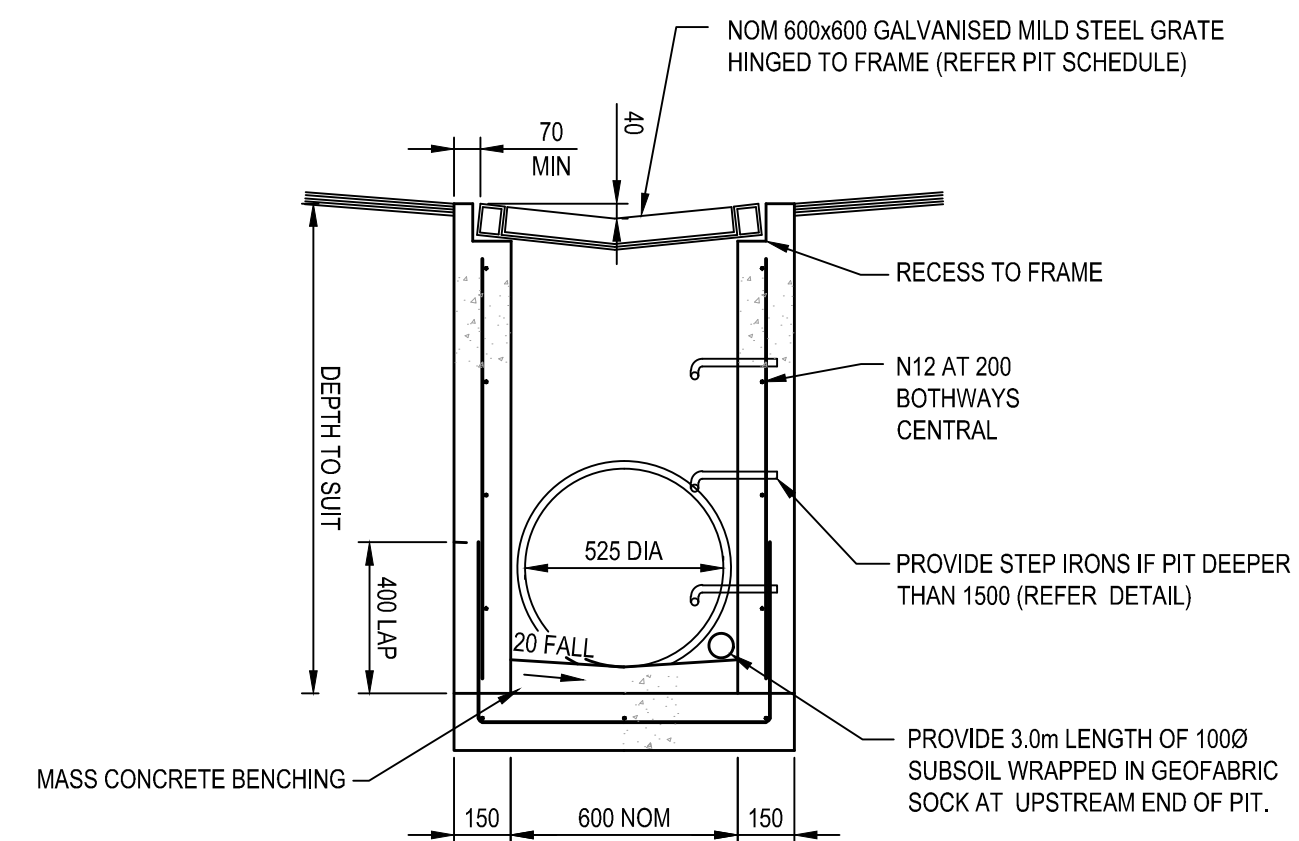
TYPICAL SECTION THROUGH GRASS LINED SWALE
N.T.S.



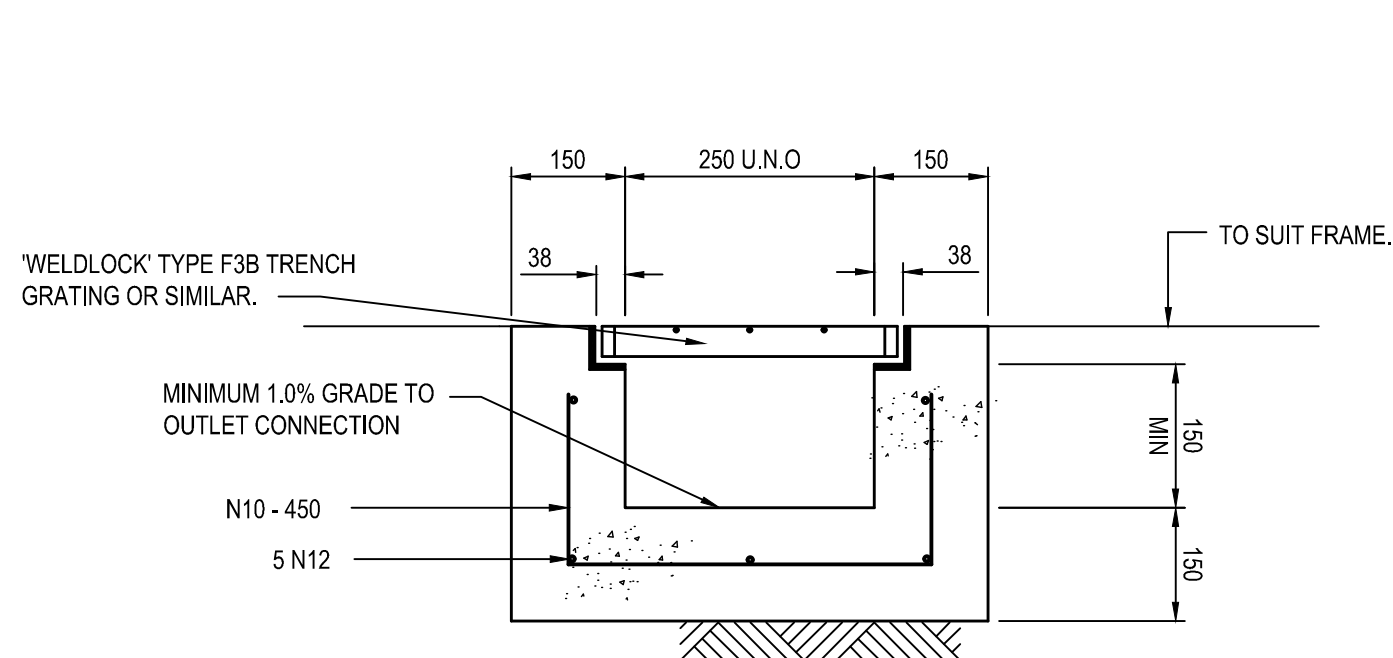
DISH DRAIN
SCALE 1:10



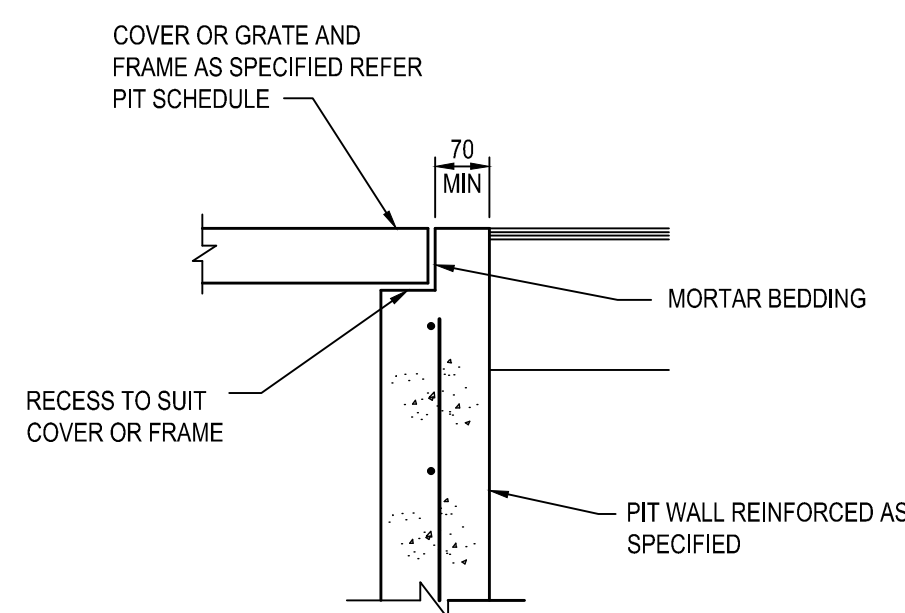
PIT EDGE DETAIL 'B'
SCALE 1:10



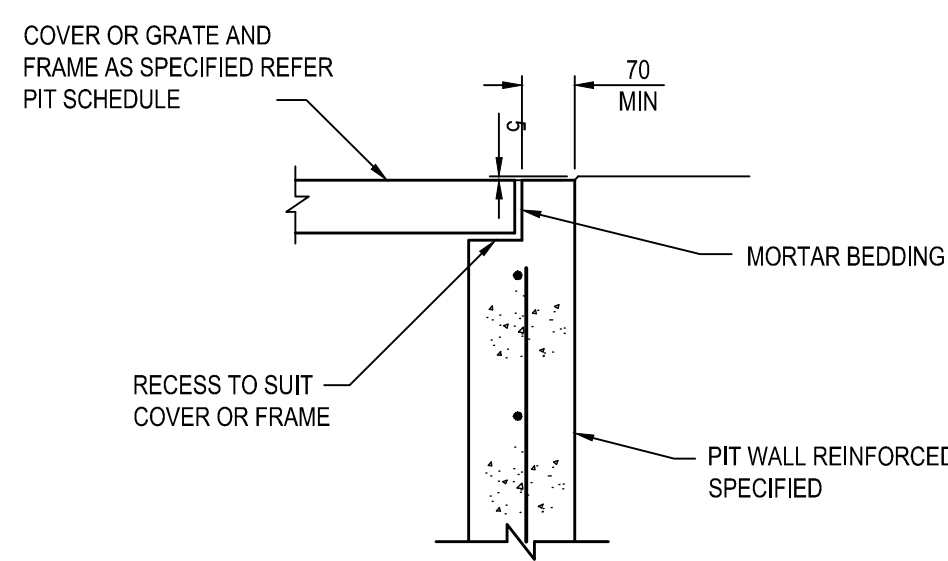
SECTION PE1
SCALE 1:20



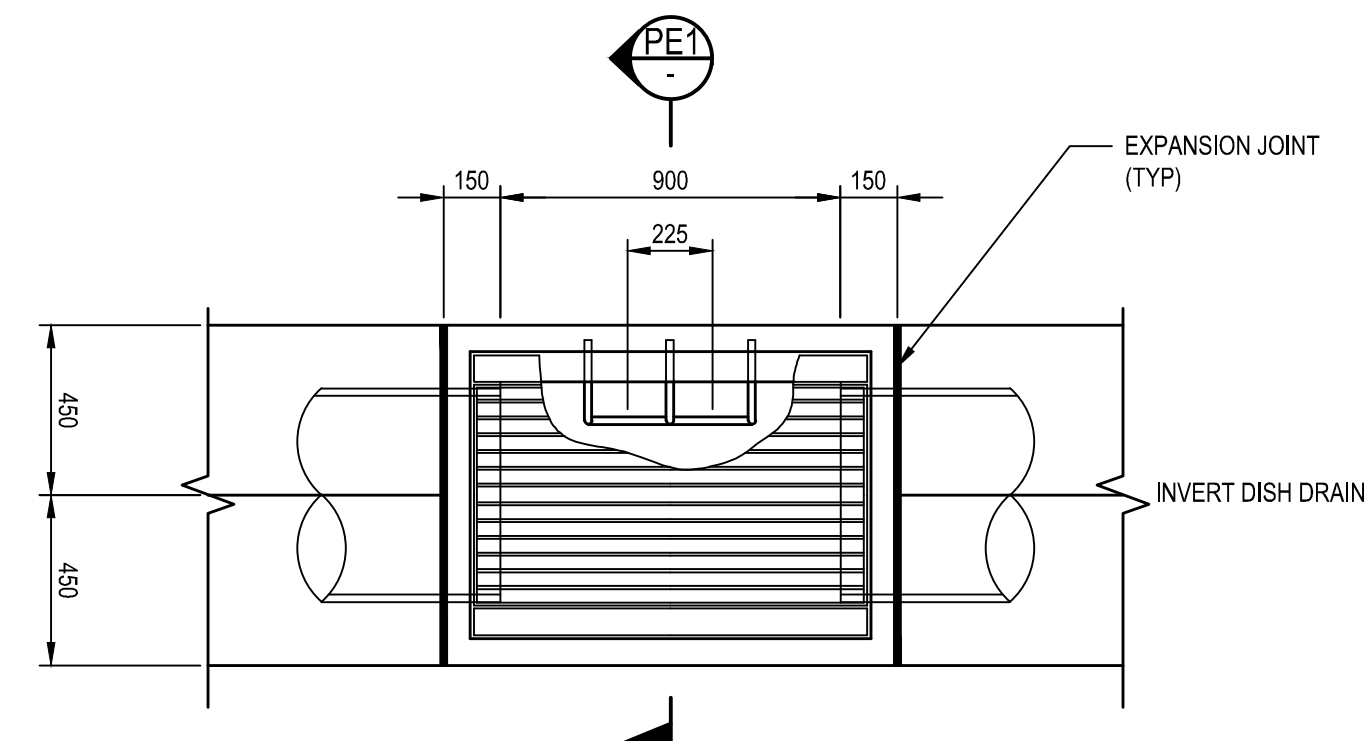
GRATED DRAIN TYPE 'B'
SCALE 1:10



PIT EDGE DETAIL 'C'
SCALE 1:10



PIT EDGE DETAIL 'D'
SCALE 1:10



DISH DRAIN PIT TYPE 'E'
SCALE 1:20

MINIMUM INTERNAL PIT DIMENSIONS			
D'	X'	Y'	
D ≤ 600	450	450*	
D ≤ 900	600	600*	
D ≤ 1200	600	900	
D > 1200	900	900	

NOTE: PITS DENOTED * SHALL BE USED ONLY WHERE SPECIFIED IN DRAINAGE SCHEDULE OR ON PLAN.

SURFACE INLET/JUNCTION PIT WITH ENVIROPODS PIT TYPE 'A'
SCALE 1:20

G	ISSUE FOR DA	02.07.2019
F	ISSUE FOR DA	26.06.2019
E	ISSUE FOR DA	21.06.2019
D	100% DESIGN DEVELOPMENT	28.05.2019
C	100% DESIGN DEVELOPMENT	22.05.2019
B	ISSUE FOR DA	26.04.2019
A	50% DESIGN DEVELOPMENT	15.04.2019

Rev	Revision Description	Date
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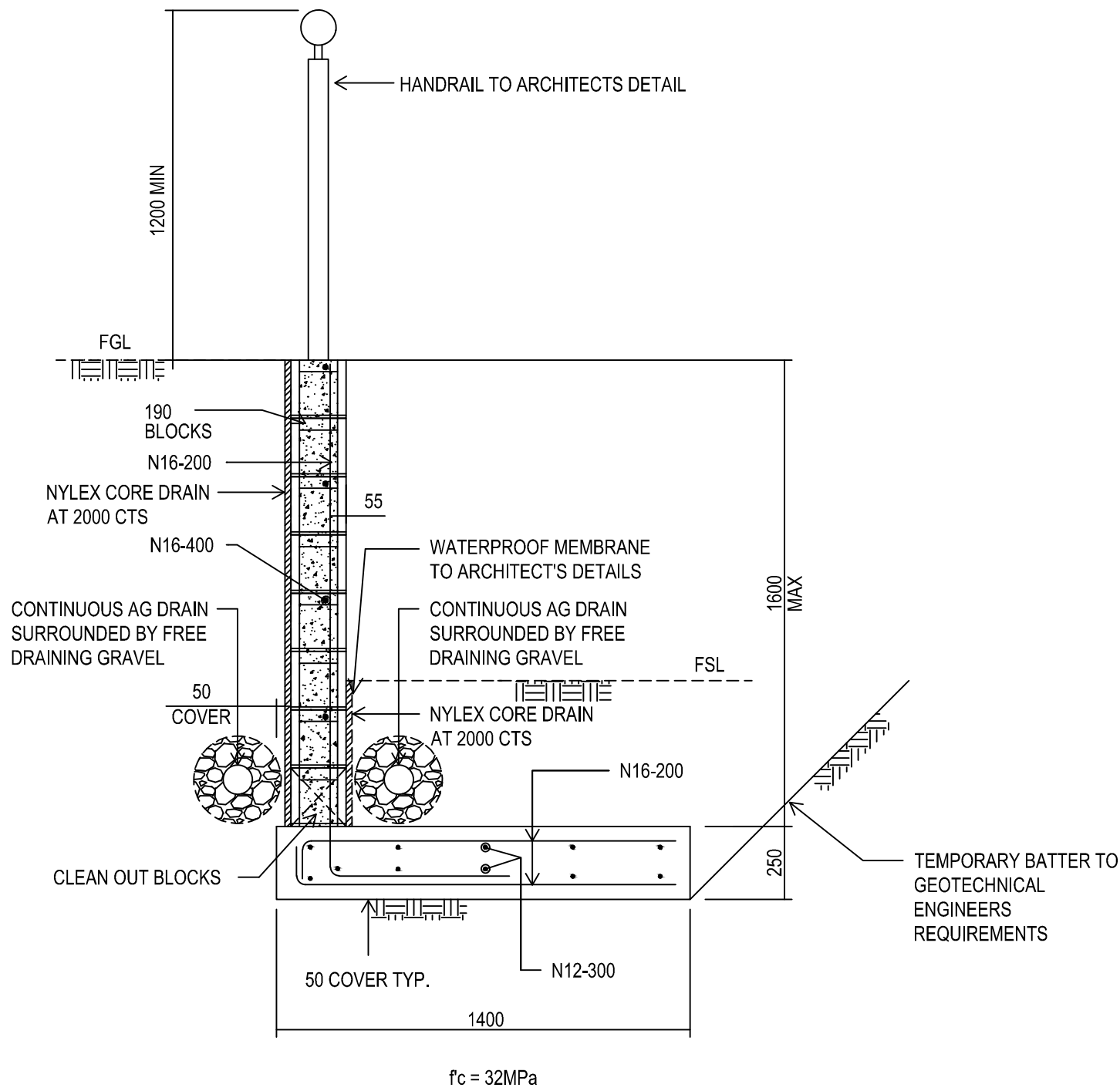
NATIONAL HERBARIUM OF NSW

CIVIL DETAILS - SHEET 1

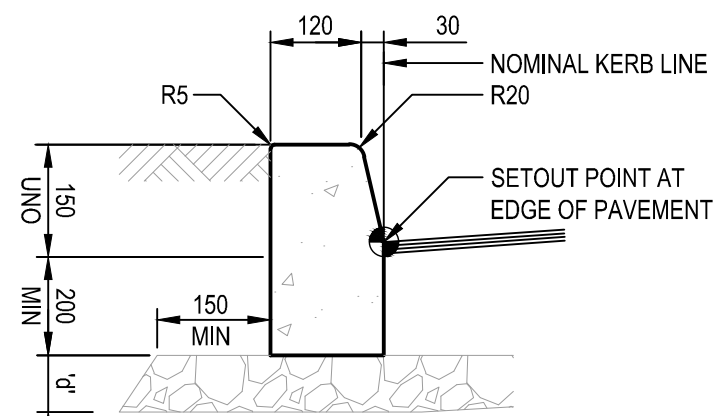
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AS SHOWN AT A1

Drawn LW	Checked MP	Approved ---
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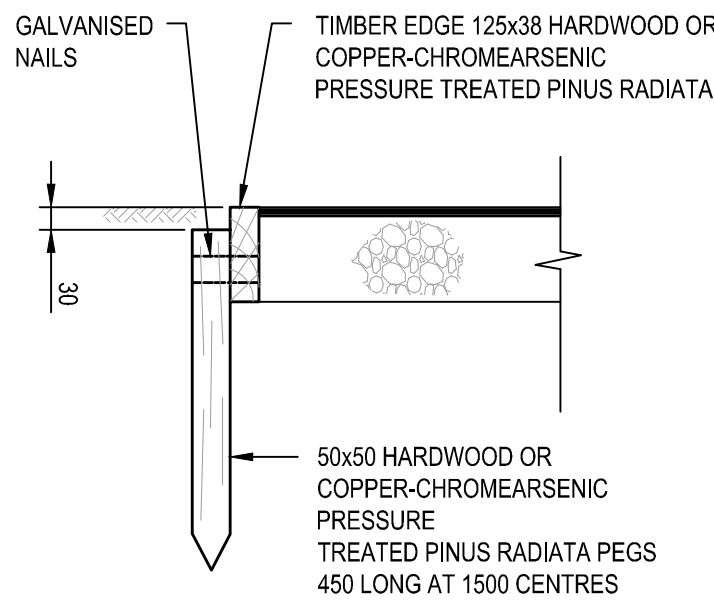
Project Number 180111	Drawing Number C7.01	Revision G
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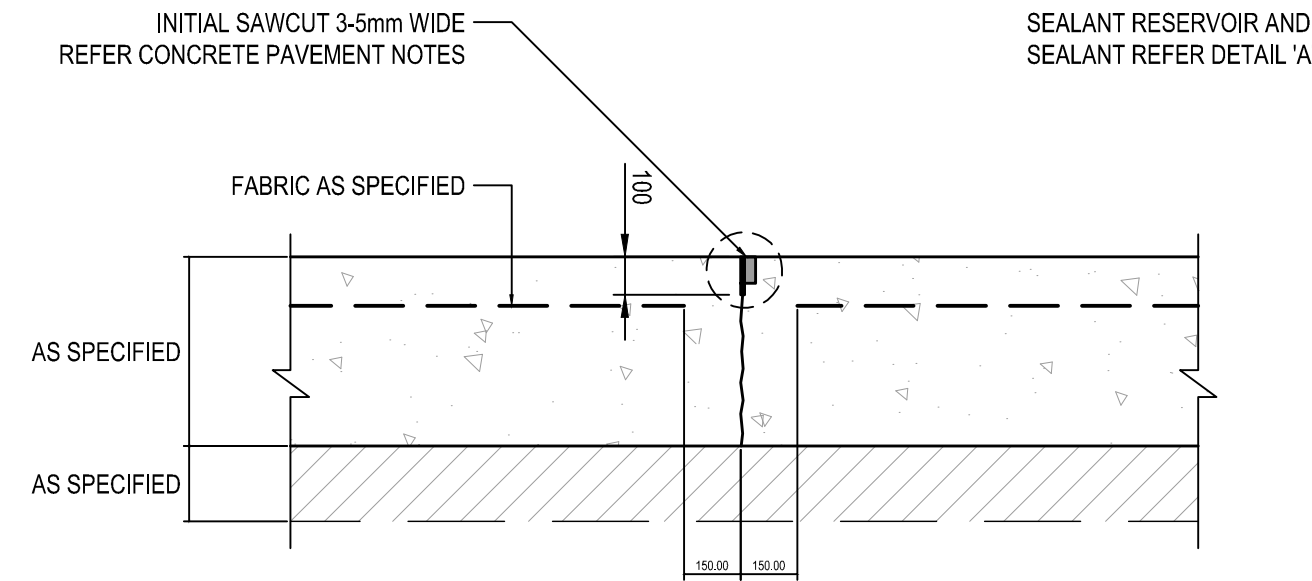
TYPICAL RETAINING WALL - TYPE D
N.T.S.



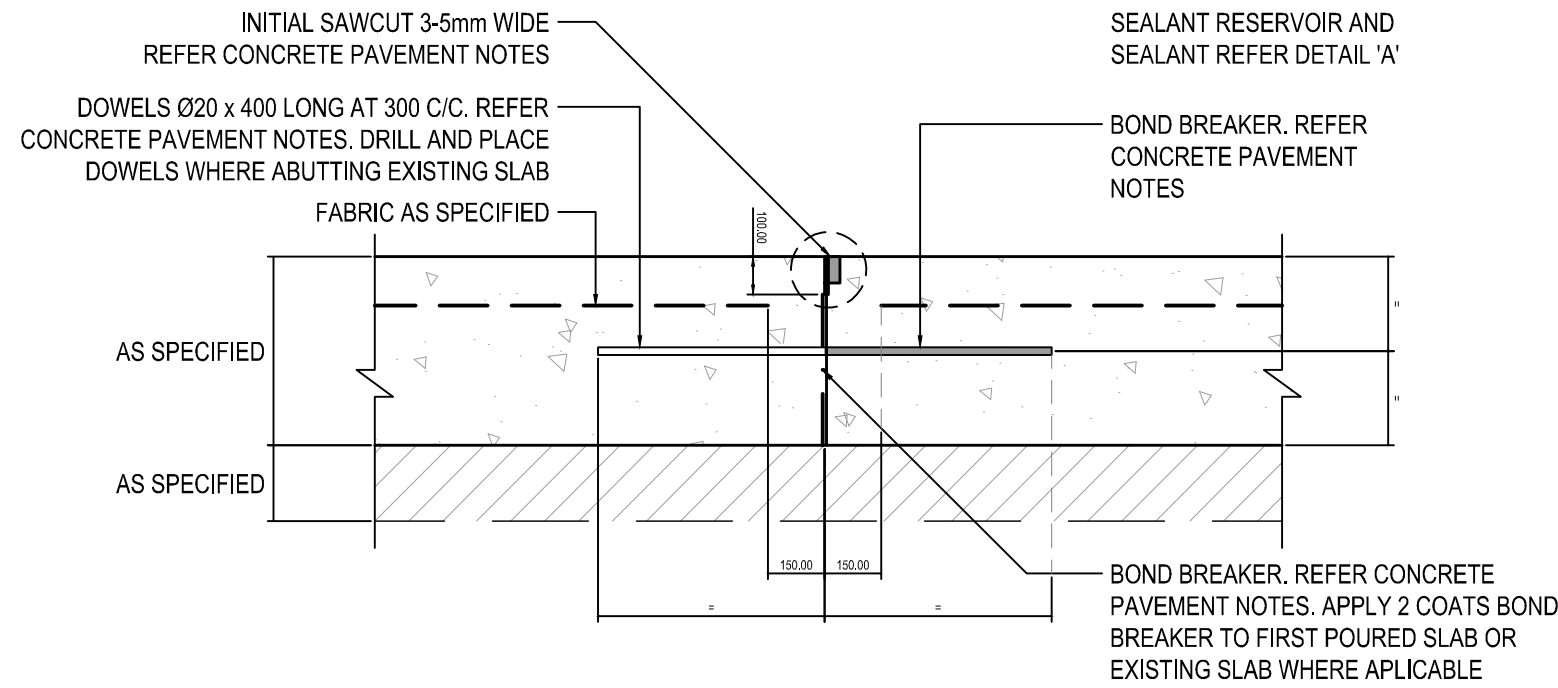
KERB ONLY (KO)
SCALE 1:10
NOTE:
'd' = SUBBASE THICKNESS TO MATCH DEPTH OF PAVEMENT SUBBASE, BUT NOT LESS THAN 75



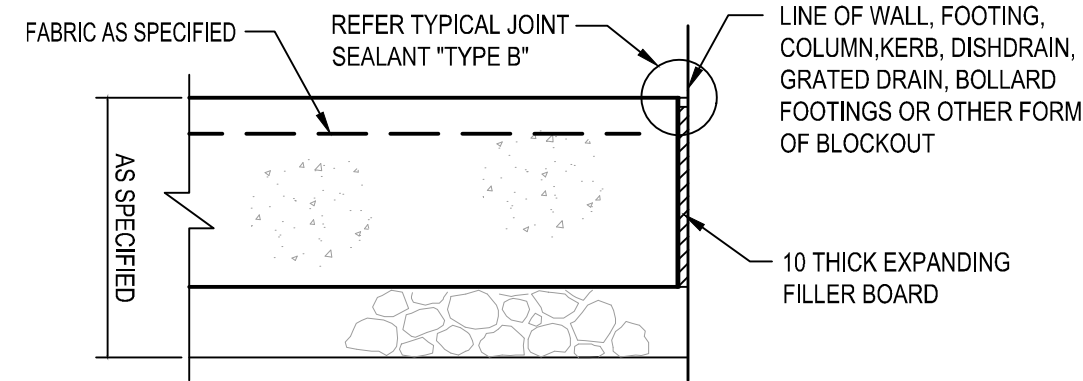
TIMBER EDGE STRIP DETAIL (TE)
SCALE 1:10



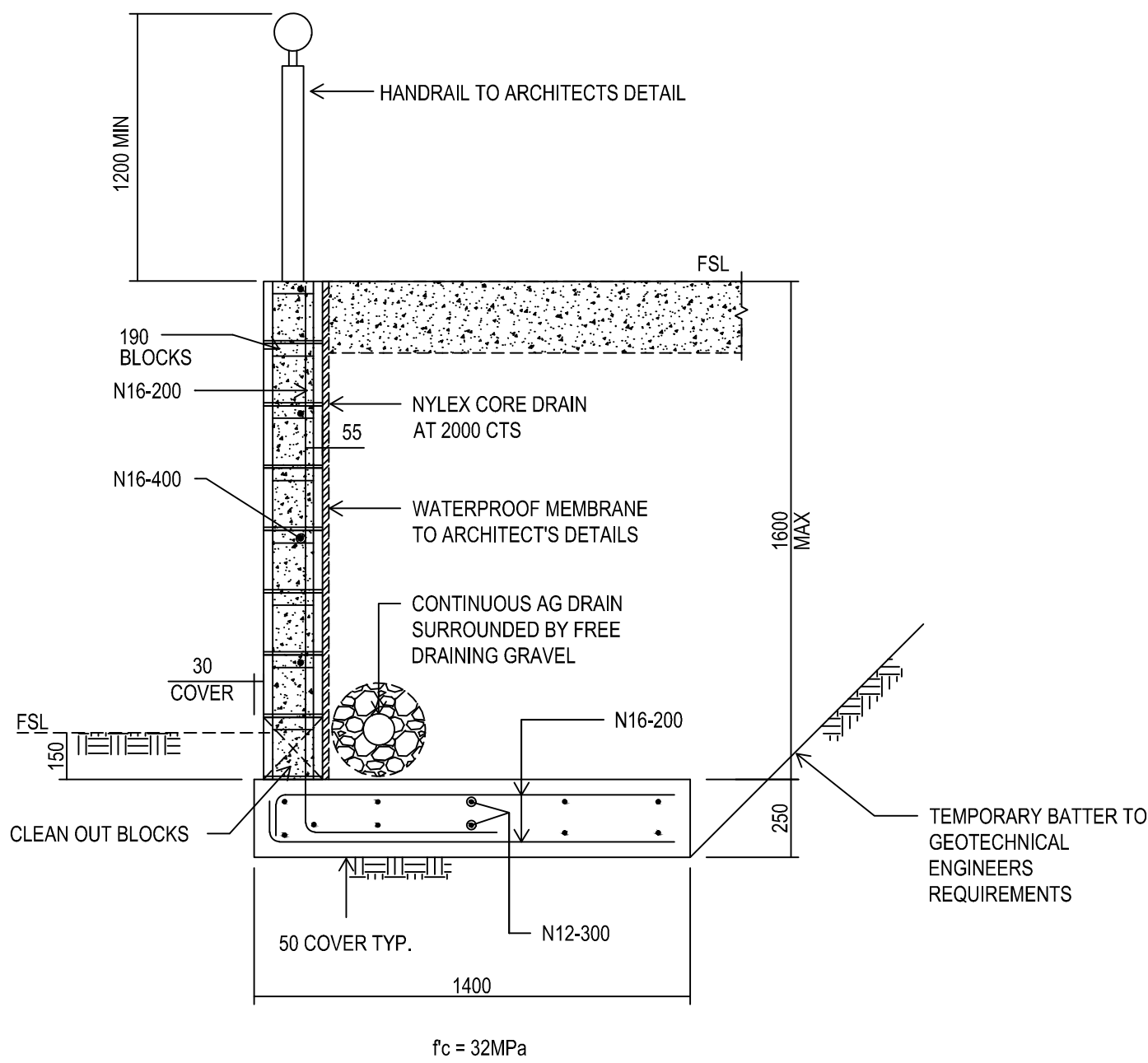
SAW CONTRACTION JOINT
SCALE 1:10
SHOWN AS 'S' ON PLAN



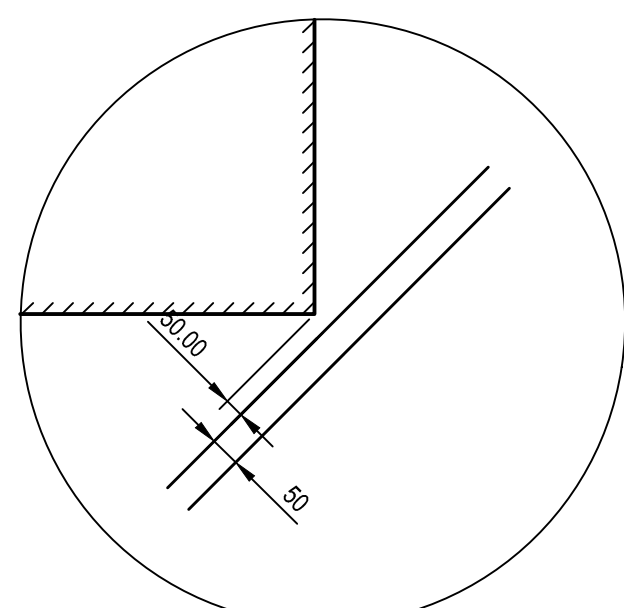
DOWELLED CONSTRUCTION JOINT
SCALE 1:10
SHOWN AS 'D' ON PLAN



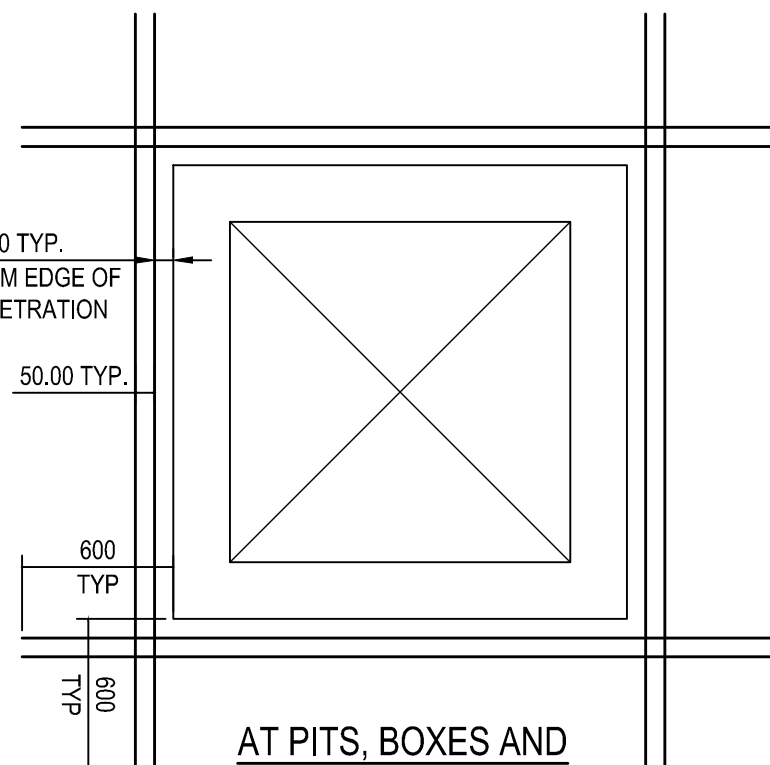
TYPICAL ISOLATION JOINT DETAIL
SHOWN AS 'I' ON PLAN AND TO ALSO BE CONSTRUCTED IN LOCATIONS WHERE CONCRETE PAVEMENTS ABUT FORMS OF BLOCKOUT AS SPECIFIED BY THIS ISOLATION JOINT DETAIL UNLESS NOTIFIED OTHERWISE. N.T.S.



TYPICAL RETAINING WALL - TYPE E
N.T.S.



AT CORNERS



AT PITS, BOXES AND OTHER PENETRATIONS

TYPICAL TRIMMER BAR DETAIL

- SCALE 1:20
- TRIMMER BARS:
 - TO BE CONSTRUCTED AT ALL PENETRATIONS IN AIRCRAFT/VEHICLE CONCRETE PAVEMENTS INCLUDING BUT NOT LIMITED TO:
 - ALL SERVICE PITS
 - ALL DRAINAGE STRUCTURES
 - ALL VALVE BOXES
 - ALL IN-GROUND FIRE HYDRANTS
 - ALL PROTRUDING CORNERS OF STRUCTURES OR SLABS
 - ALL COLUMNS PENETRATING CONCRETE PAVEMENT
 - CONSTRUCT 2-N16 TRIMMER BARS (1200 LONG, TOP AND BOTTOM) AT ALL MISMATCHED OR DISCONTINUOUS JOINTS. TYPICAL

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Rev	Revision Description	Date
I	ISSUE FOR DA	02.07.2019
H	ISSUE FOR DA	27.06.2019
G	ISSUE FOR DA	26.06.2019
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E	100% DESIGN DEVELOPMENT	17.06.2019
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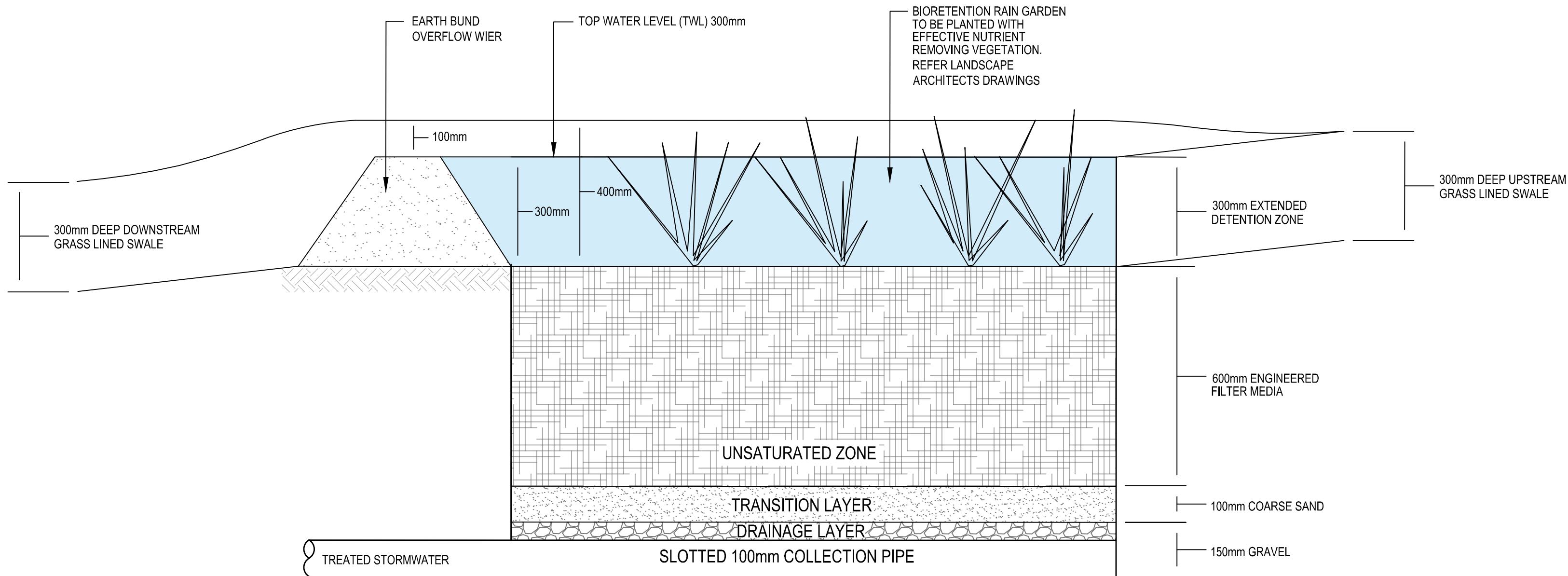
Project
NATIONAL HERBARIUM OF NSW

Title
CIVIL DETAILS - SHEET 2

Scale
AS SHOWN AT A1

Drawn LW	Checked MP	Approved ---
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Project Number 180111	Drawing Number C7.02	Revision I
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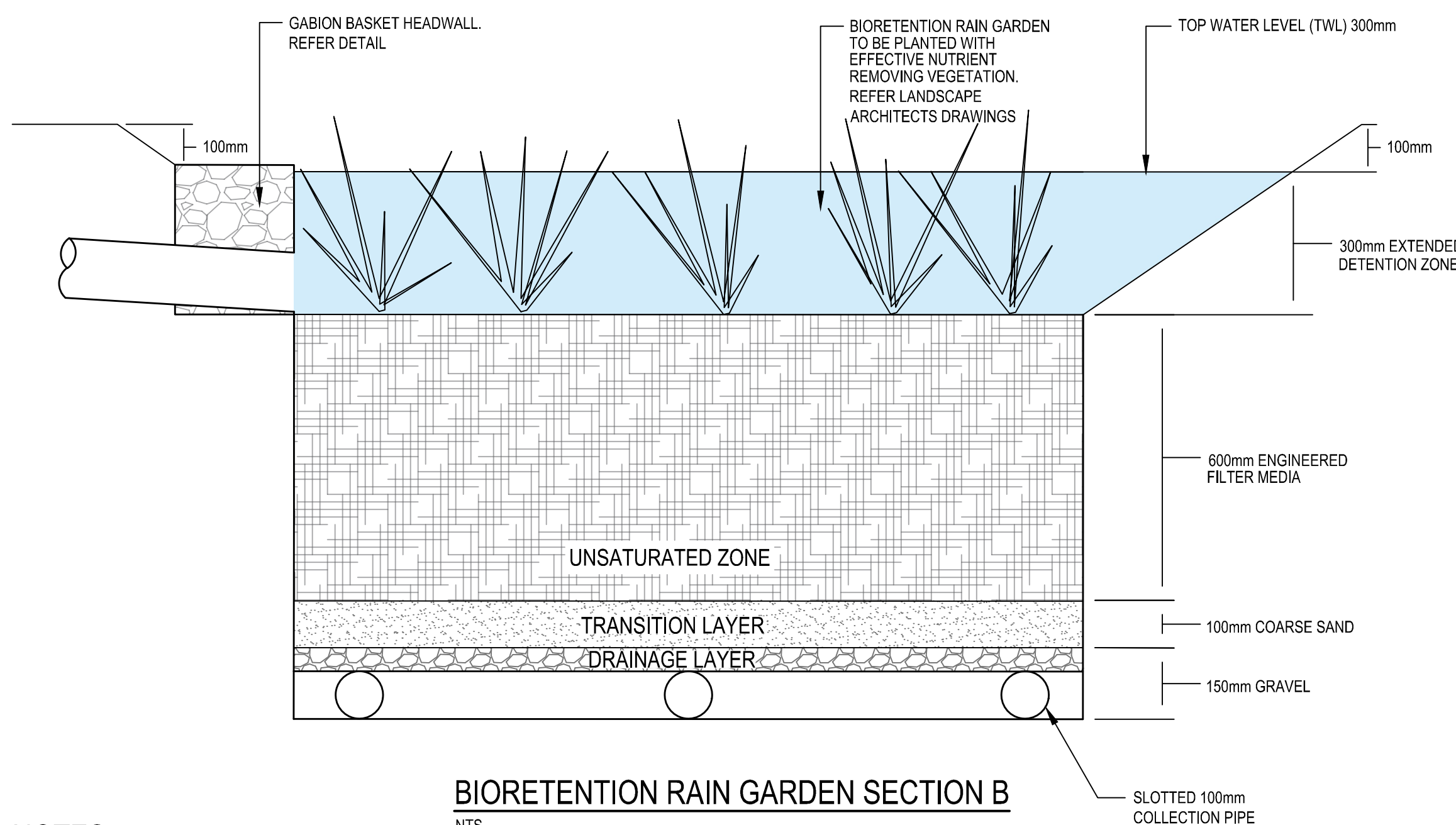


BIORETENTION RAIN GARDEN SECTION A

NTS

NOTES:

ENGINEERED FILTER MEDIA, COARSE SAND AND GRAVEL LAYERS TO BE SUPPLIED IN ACCORDANCE WITH THE FAWB GUIDELINES FOR FILTER MEDIA IN BIOFILTRATION SYSTEMS (2009)

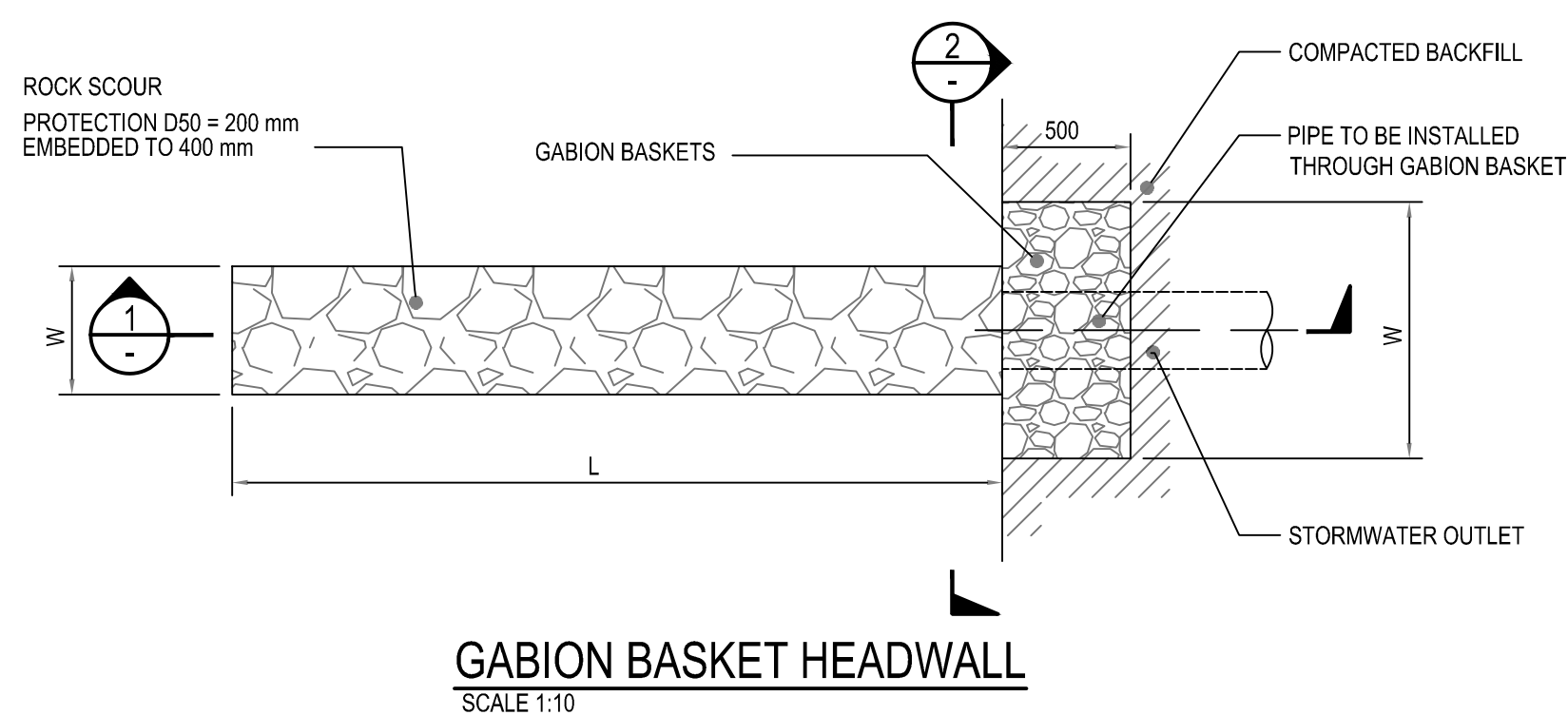


BIORETENTION RAIN GARDEN SECTION B

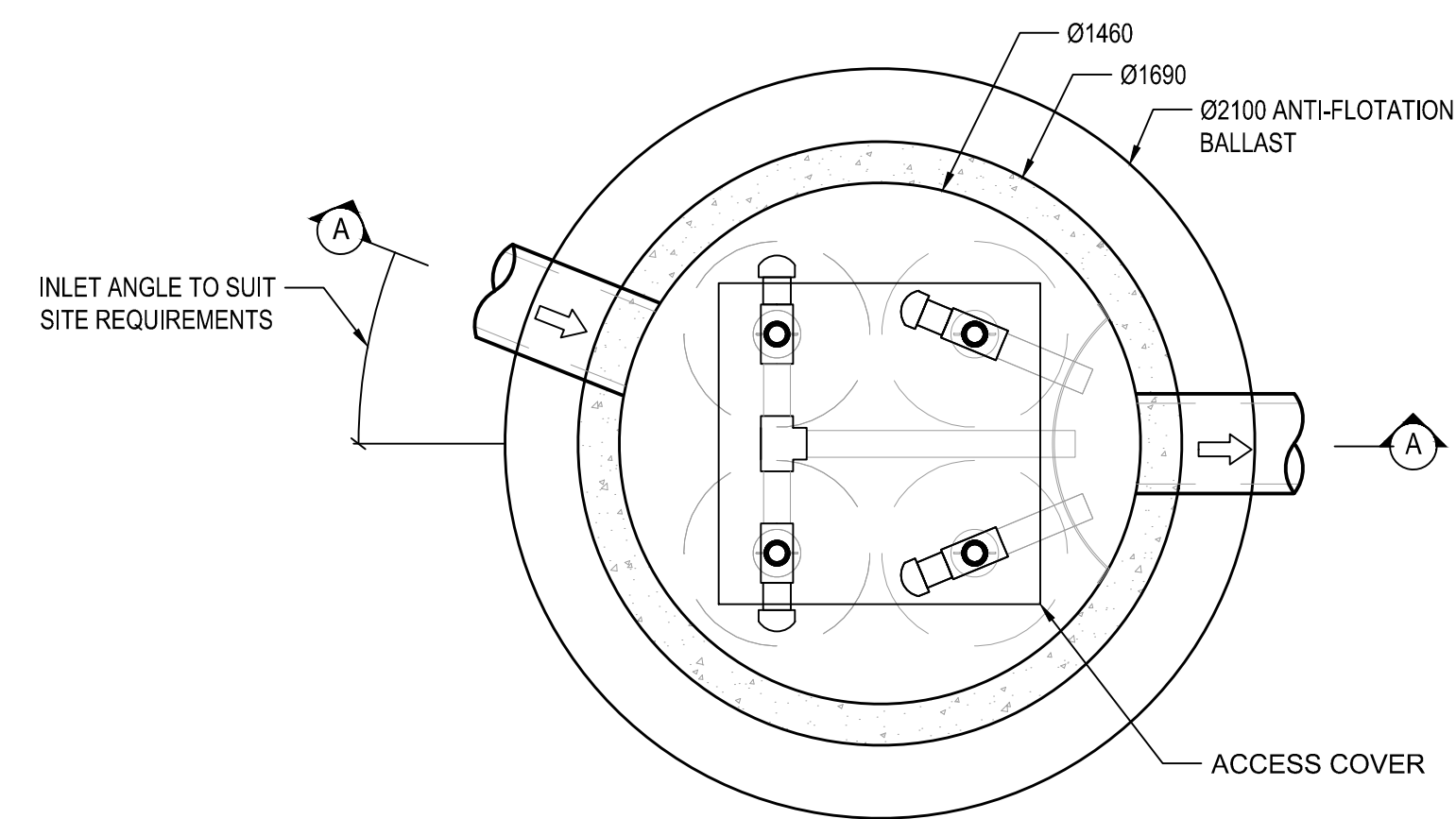
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NOTES:

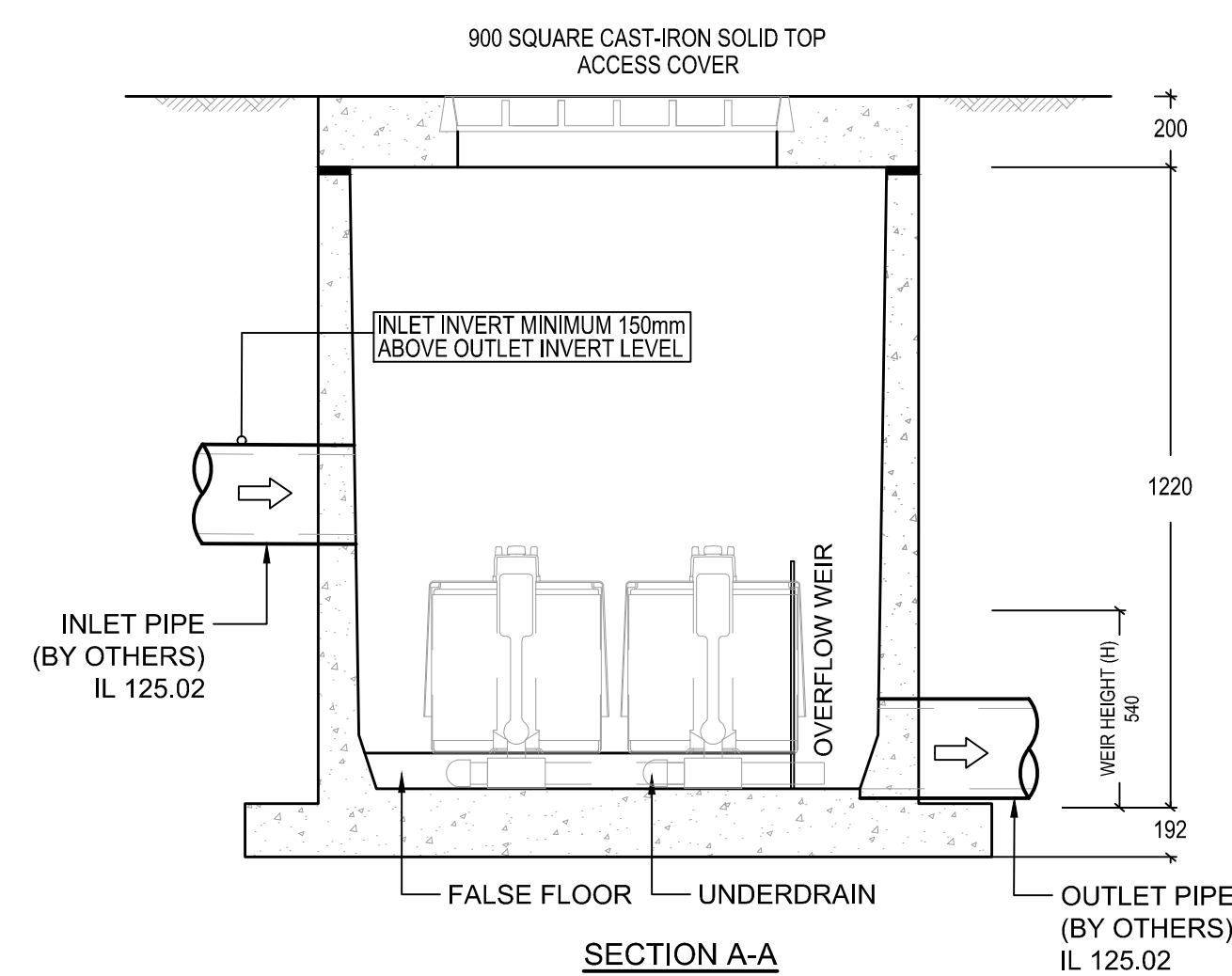
ENGINEERED FILTER MEDIA, COARSE SAND AND GRAVEL LAYERS TO BE SUPPLIED IN ACCORDANCE WITH THE FAWB GUIDELINES FOR FILTER MEDIA IN BIOFILTRATION SYSTEMS (2009)



GABION BASKET HEADWALL
SCALE 1:10



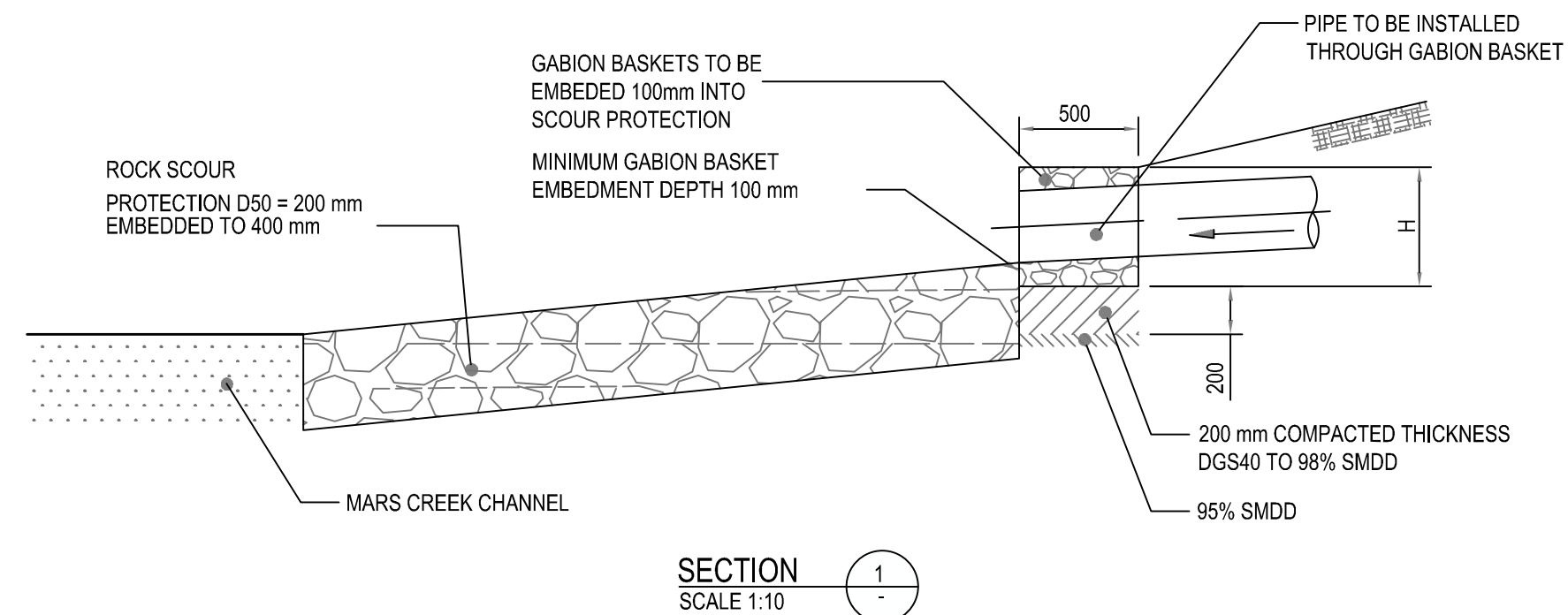
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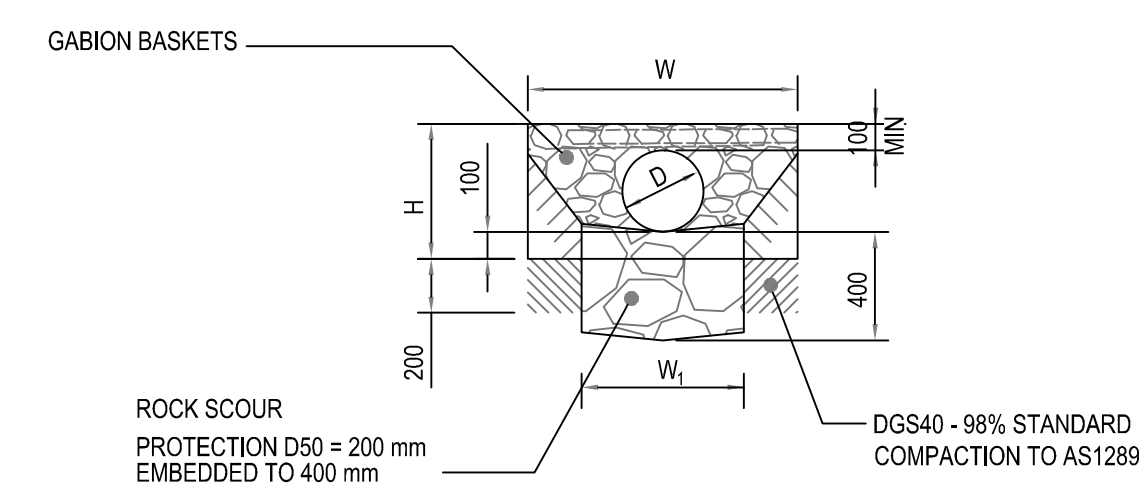
SECTION A-A

HERBARIUM - SQID No.3

NTS



SECTION 1
SCALE 1:10



SECTION 2
SCALE 1:10

GABION DIMENSIONS		
OUTLET PIPE Ø (mm)	W (mm)	H (mm)
225	500	500
300	600	600

SCOUR PROTECTION DIMENSIONS		
OUTLET PIPE Ø (mm)	W _s (mm)	H (mm)
225	700	1200
300	900	1500

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Rev	Revision Description	Date
F	ISSUE FOR DA	09.07.2019
E	ISSUE FOR DA	02.07.2019
D	ISSUE FOR DA	26.06.2019
C	ISSUE FOR DA	21.06.2019
B	100% DESIGN DEVELOPMENT	17.06.2019
A	100% DESIGN DEVELOPMENT	28.05.2019

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Project
NATIONAL HERBARIUM OF NSW

Title
CIVIL DETAILS HERBARIUM - SHEET 3

Scale
AS SHOWN AT A1

Drawn	Checked	Approved	Revision
LW	MP	---	F

Project Number
180111

Drawing Number
C7.03