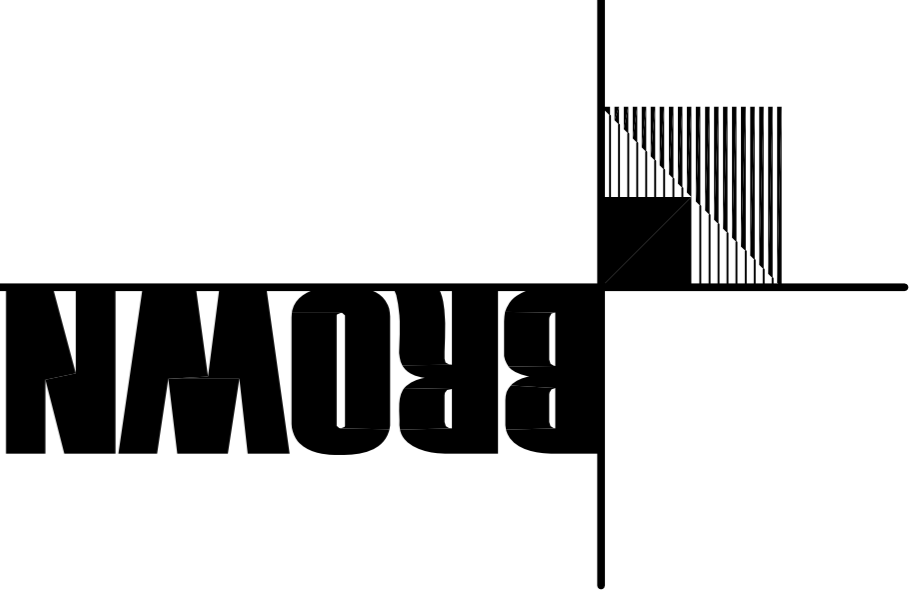


ERSKINE PARK EASTERN SITE WORKS

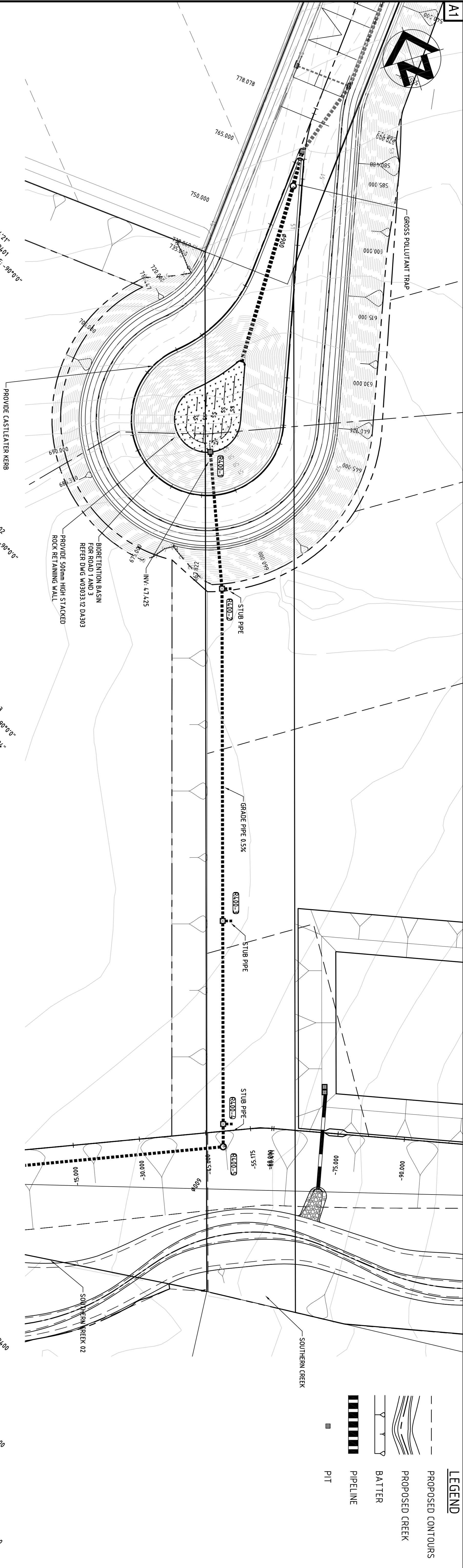


SUBDIVISION

BULK EARTHWORKS STREAMWORKS AND * STORMWATER CONCEPT PLAN PROJECT APPLICATION

DRAWING SCHEDULE

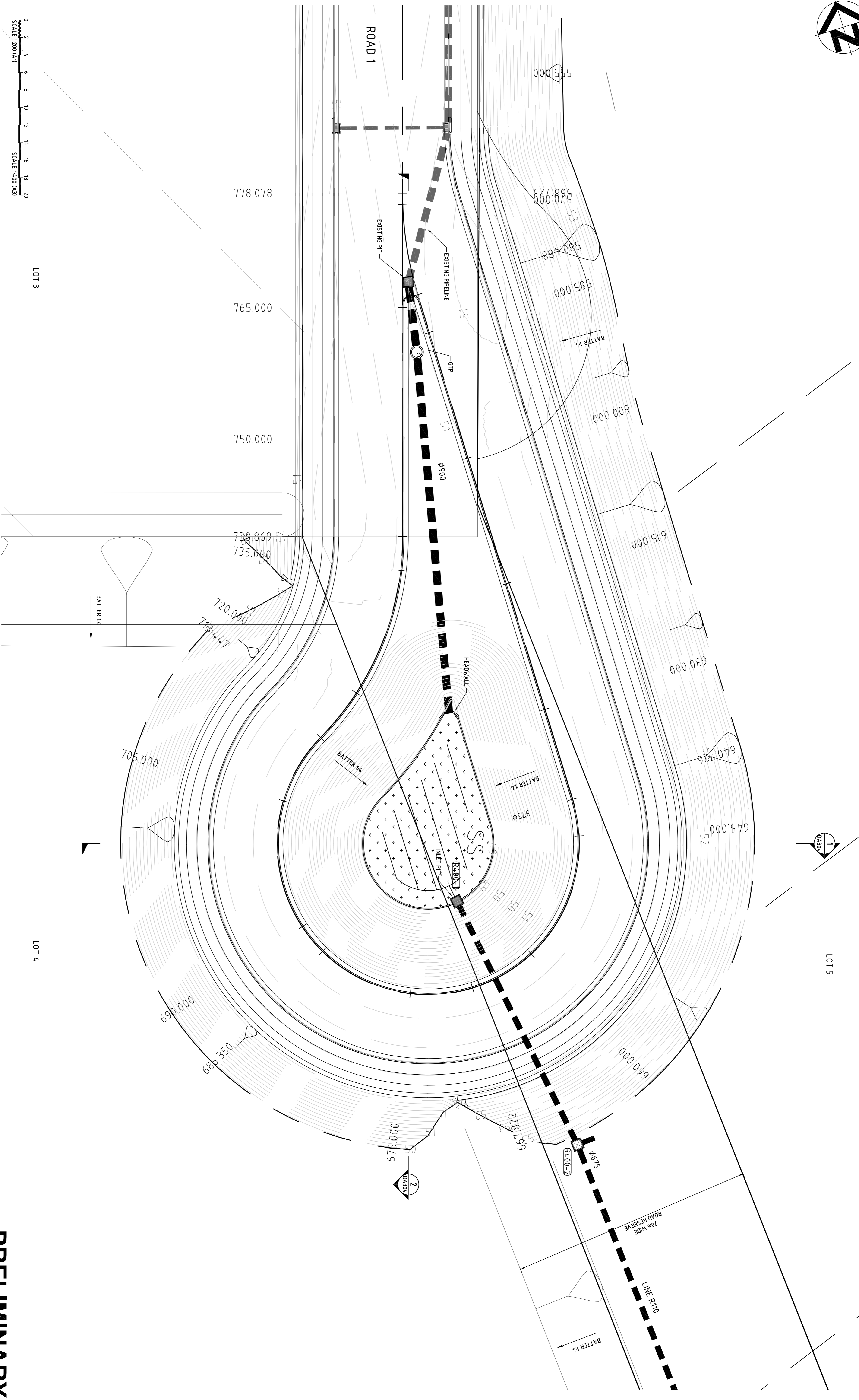
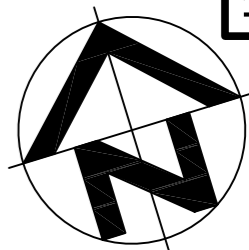
DRAWING No.	TITLE
DA301	STORMWATER CONCEPT PLAN
DA302	SOUTHERN CREEK DRAINAGE LINE PLAN AND LONGSECTION
DA303	SOUTHERN CREEK ROAD 1 DETENTION AND BIOFILTRATION BASIN PLAN
DA304	SOUTHERN CREEK ROAD 1 LONGSECTION AND BASIN SECTION
DA305	SOUTHERN CREEK DRAINAGE LINE PLAN AND LONGSECTION
DA306	DETAIL PLAN, LONGITUDINAL SECTION CH 1110 TO 1368.15
DA307	DETAIL PLAN, LONGITUDINAL SECTION CH 1110 TO 1368.15 INTERIM DESIGN
DA308	TYPICAL STORMWATER CONTROL BASIN PAD 4
DA309	TYPICAL STORMWATER CONTROL BASIN PAD 5
DA310	TYPICAL STORMWATER CONTROL BASIN PAD 7
DA311	TYPICAL STORMWATER CONTROL BASIN PAD 8
DA312	TYPICAL STORMWATER CONTROL BASIN PAD 9



LINE	CHAINAGE	VELOCITY (m/s)	DISCHARGE (cum/s)	PIPE SIZE (mm)	DESIGN GRADE	DATE	HGL LEVEL	INVERT LEVEL	SURFACE LEVEL	ROAD CHAINAGE	PIPE CHAINAGE
LINE R400	0.000			675 RR12	0.5%	4.0.0	47.423	47.268	48.373	664.366	0.000
	30.993			675 RR12	0.5%		47.268	47.268	53.134	664.366	30.993
	105.993			675 RR12	0.5%		46.893	46.893	52.927	664.366	105.993
	151.834			675 RR12	0.5%		46.664	46.664	52.800	664.366	151.834
	156.962			675 RR12	0.5%		46.638	46.638	52.570	664.366	156.962
	211.155			675 RR12	0.5%		46.368	46.368	49.668	664.366	211.155
	262.737			675 RR12	0.5%		46.110	46.110	48.755	664.366	262.737
	291.698			675 RR12	0.5%		45.965	45.965	46.650	664.366	291.698
LINE R401	0.000			375 RR12	1.02%	4.0.0	49.863	0.000	53.134	664.366	0.000
	17.500			375 RR12	1.02%		49.684	47.268	53.134	664.366	17.500
LINE R402	0.000			375 RR12	1.02%	4.0.0	49.488	0.000	52.927	664.366	0.000
	17.500			375 RR12	1.02%		49.309	46.893	52.927	664.366	17.500
LINE R403	0.000			375 RR12	1.02%	4.0.0	49.258	0.000	52.800	664.366	0.000
	17.500			375 RR12	1.02%		49.079	46.664	52.800	664.366	17.500

PRELIMINARY

<p>03 05/02/2006 REVISOR: DAJ/AR</p> <p>02 14/03/06 ISSUE FOR PROJECT APPLICATION</p> <p>01 07/02/06 ISSUE FOR COMMENTS</p> <p>REV. DATE DESCRIPTION AMENDMENTS</p>	<p>03 05/02/2006 REVISOR: DAJ/AR</p> <p>02 14/03/06 ISSUE FOR PROJECT APPLICATION</p> <p>01 07/02/06 ISSUE FOR COMMENTS</p> <p>REV. DATE DESCRIPTION AMENDMENTS</p>	<p>03 05/02/2006 REVISOR: DAJ/AR</p> <p>02 14/03/06 ISSUE FOR PROJECT APPLICATION</p> <p>01 07/02/06 ISSUE FOR COMMENTS</p> <p>REV. DATE DESCRIPTION AMENDMENTS</p>	<p>03 05/02/2006 REVISOR: DAJ/AR</p> <p>02 14/03/06 ISSUE FOR PROJECT APPLICATION</p> <p>01 07/02/06 ISSUE FOR COMMENTS</p> <p>REV. DATE DESCRIPTION AMENDMENTS</p>						
<p>Dissemination and Copyright:</p> <p>ALL DIMENSIONS TO BE CHECKED ON SITE BY SUPERINTENDANT PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.</p>									
<p>Legend:</p> <ul style="list-style-type: none"> PROPOSED CONTOURS PROPOSED CREEK BATTER PIPELINE PIT 									
<p>Scale:</p> <p>SCALE 1:500 (A1)</p> <p>SCALE 1:100 (A3)</p> <p>SCALE 1:100 (A1)</p> <p>SCALE 1:200 (A3)</p>									
<p>Client:</p> <p>CSR LIMITED</p> <p>ROAD 1 CUL-DE SAC PLAN AND DRAINAGE LONGSECTION</p>									
<p>Project:</p> <p>EASTERN SITE WORKS SUBDIVISION STORMWATER CONCEPT PLAN</p>									
<p>Design:</p> <p>Drawn By: AK</p> <p>Design By: AK, JAR</p> <p>Project No: W03033.12</p> <p>Drawing No: DA302</p> <p>Sheet: 2 of 12</p> <p>Scale: 1:500 (A1)</p> <p>1:100 (A)</p>									
<p>Verification:</p> <table border="1"> <tr> <th>INITIALS</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>				INITIALS	SIGNATURE	DATE			
INITIALS	SIGNATURE	DATE							
<p>Approval:</p> <table border="1"> <tr> <th>DESIGN</th> <th>VERIFY</th> <th>APPROVED</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>				DESIGN	VERIFY	APPROVED			
DESIGN	VERIFY	APPROVED							
<p>Company:</p> <p>BROWN</p> <p>Level 2, 82 Waterloo Road Marquarie Park NSW Australia 2113</p> <p>Telephone: 02 9900 1000 Facsimile: 02 9900 1099</p> <p>Brown Consulting (NSW) Pty Ltd</p> <p>Sydney Brisbane Melbourne Singapore</p>									



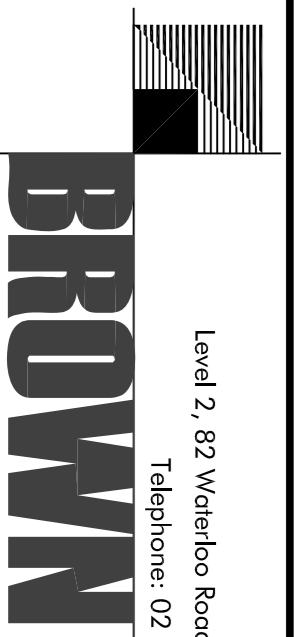
LOT 3

LOT 4

LOT 5

REV	DATE	DESCRIPTION	BY	VER	APP
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02	14/03/06	ISSUE FOR PROJECT APPLICATION	AMK	RAP	
01	07/02/06	ISSUE FOR COMMENTS	AMK	RAP	

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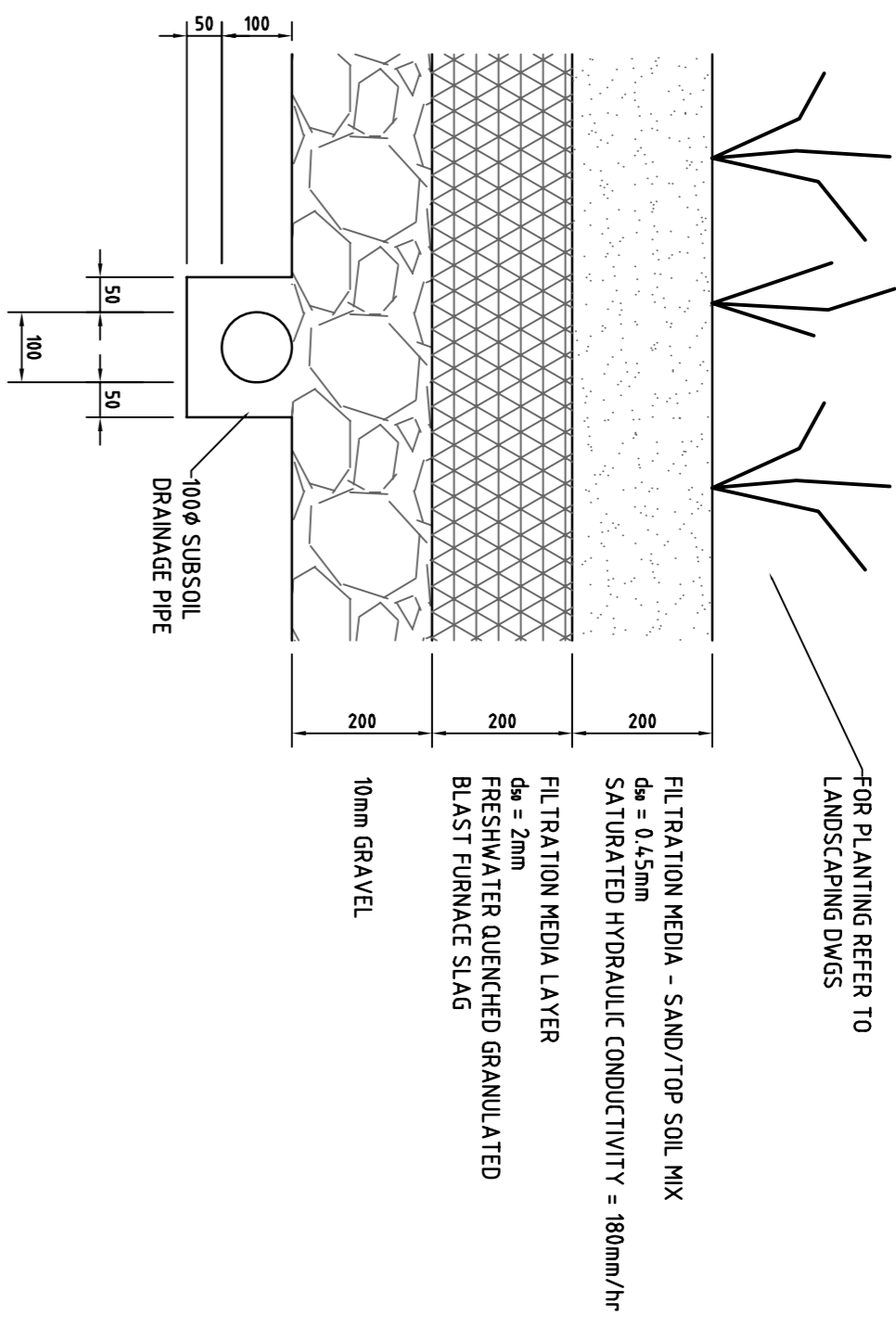
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Client: **CSR LIMITED**
 Project: **EASTERN SITE WORKS SUBDIVISION STORMWATER CONCEPT PLAN**

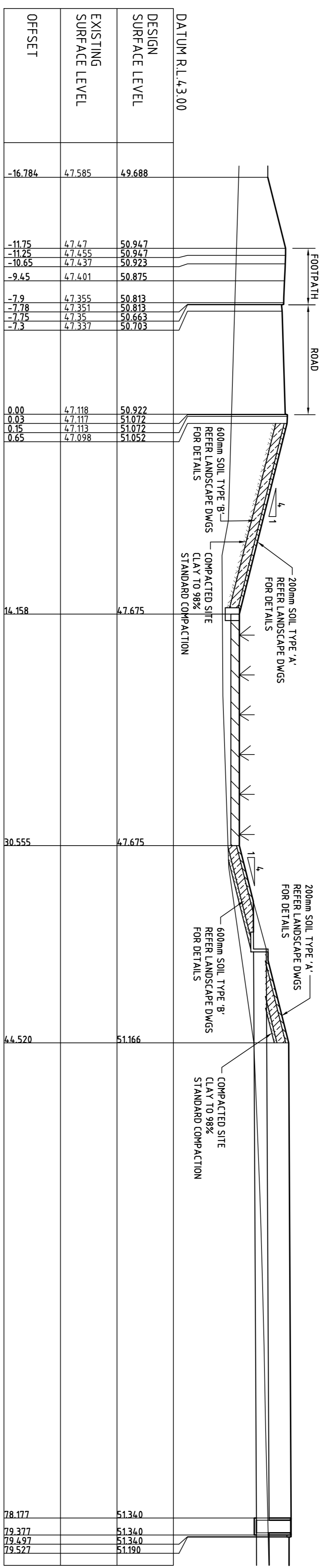
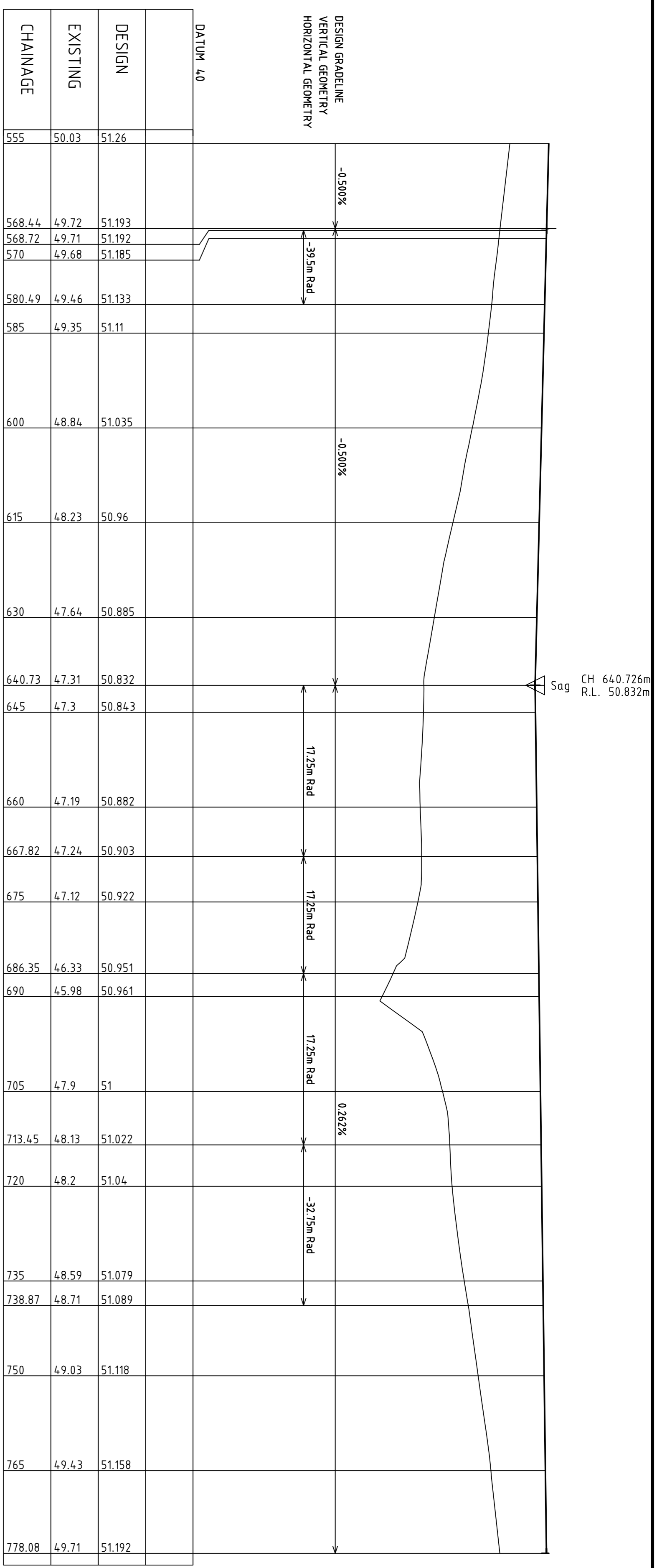
Drawing: **ROAD 1 DETENTION AND BIOFILTRATION BASIN PLAN**
 Drawn by: AK
 Design by: AK / JR
 Project No: W09033.12
 Drawing No: DA303

PRELIMINARY

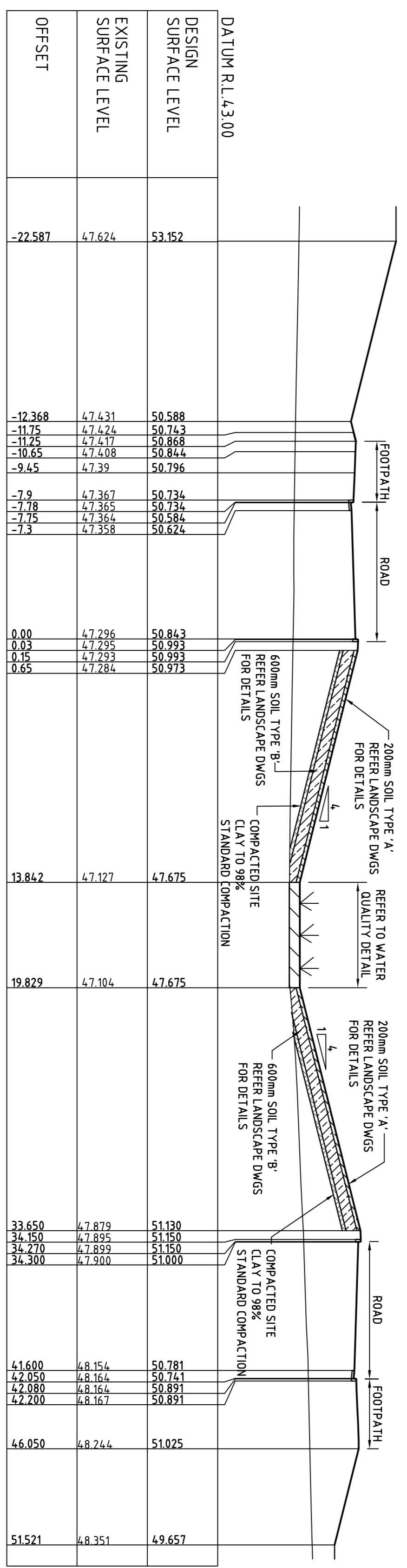
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Design by:	AK / JR	Scale:	1:200
Project No:	W09033.12	Rev:	03
Drawing No:	DA303		



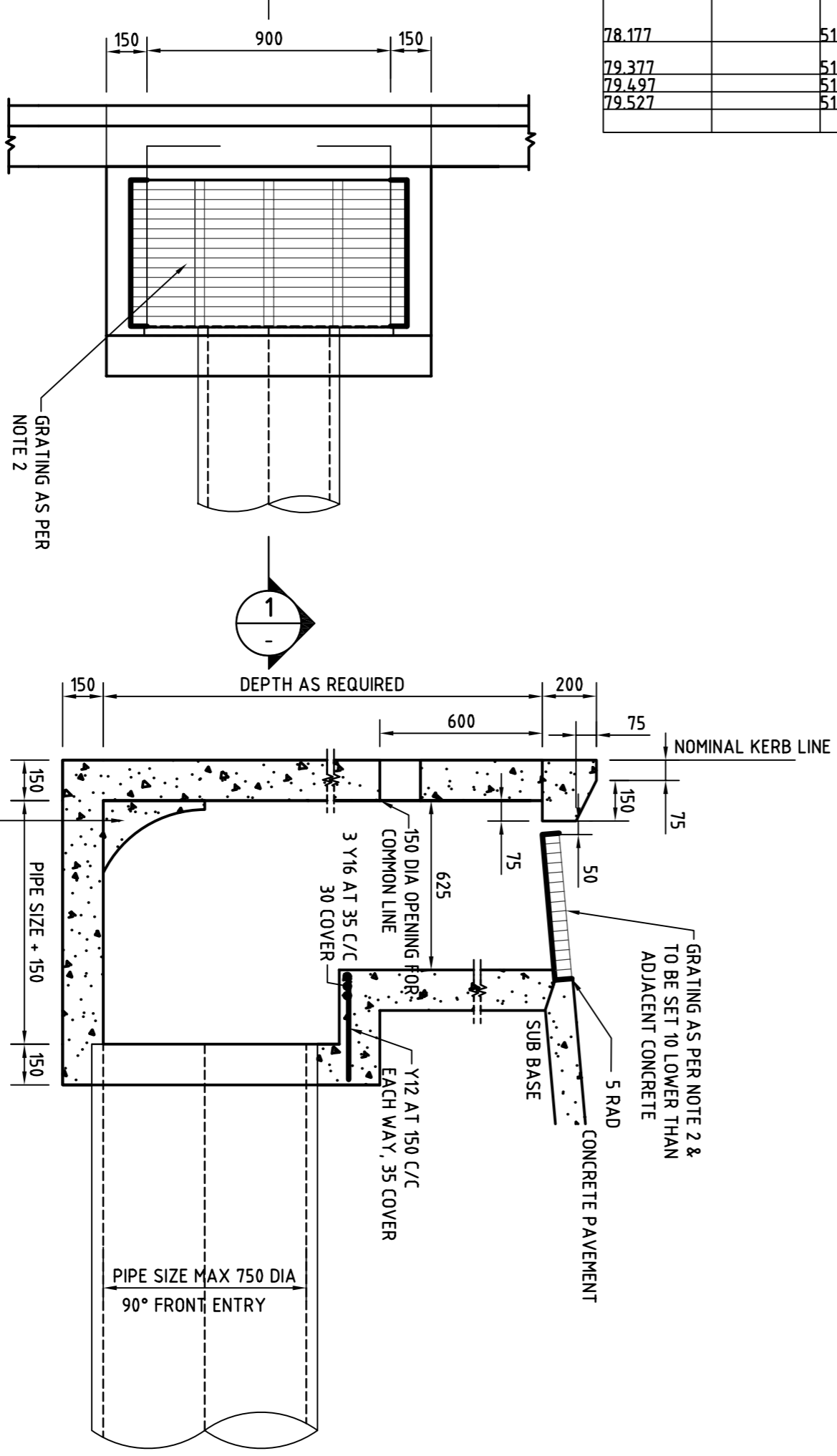
WATER QUALITY BIORETENTION MEDIA DETAIL
SCALE 1:100



SECTION 2
SCALE 1:200
DA303



SECTION 1
SCALE 1:200
DA303



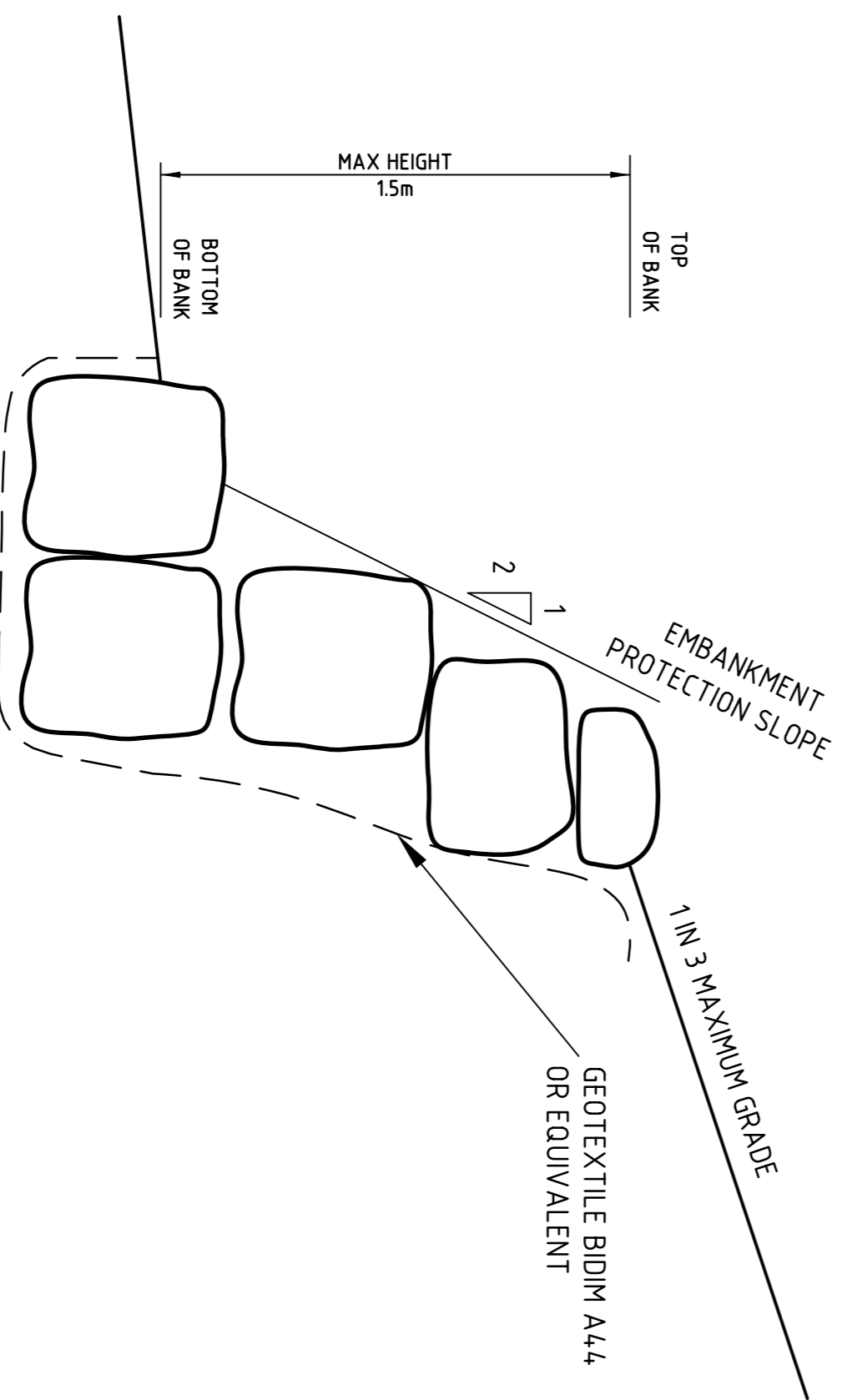
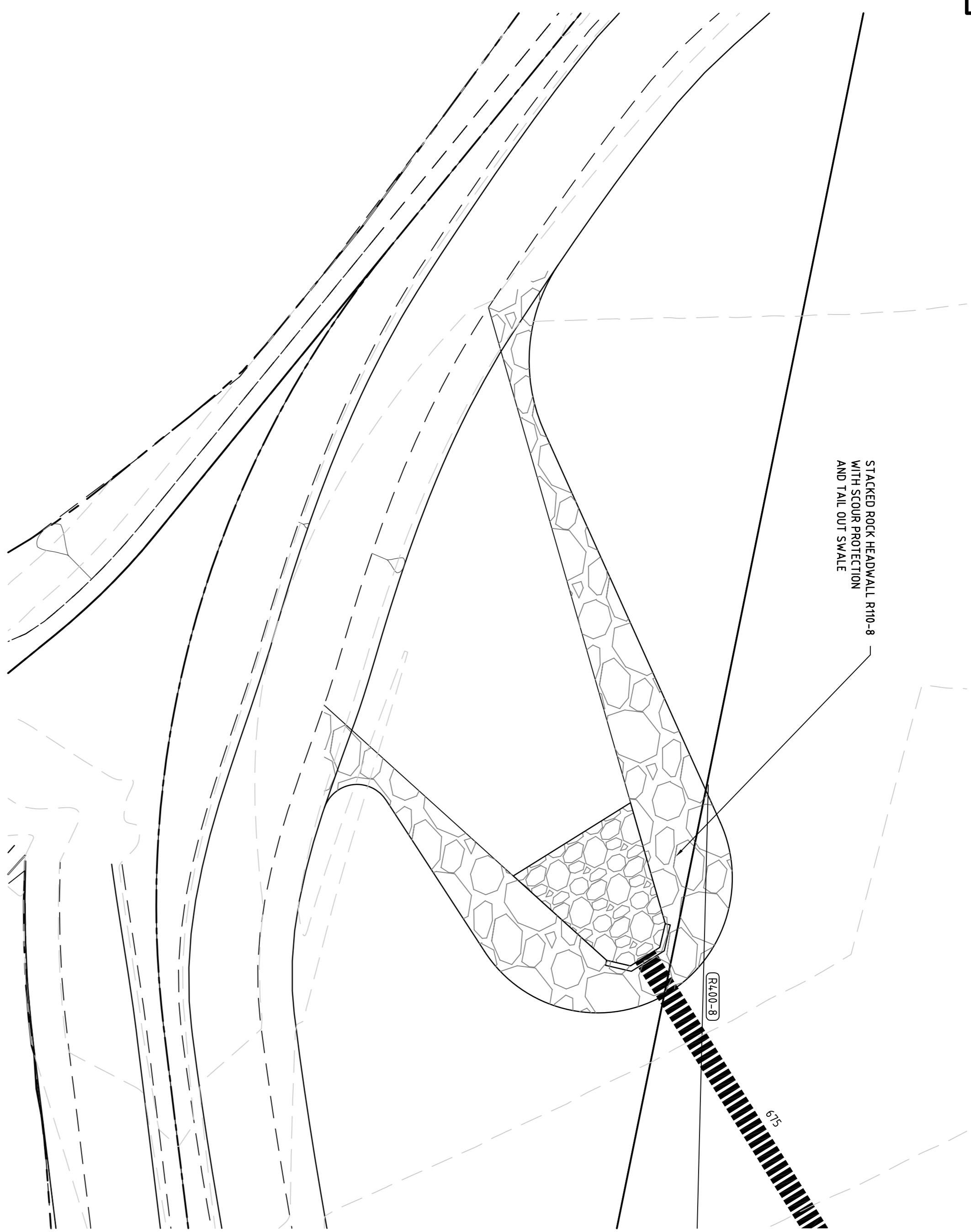
SECTION 1
SCALE 1:20
FOR PIPE Ø600 AND OVER.

PRELIMINARY

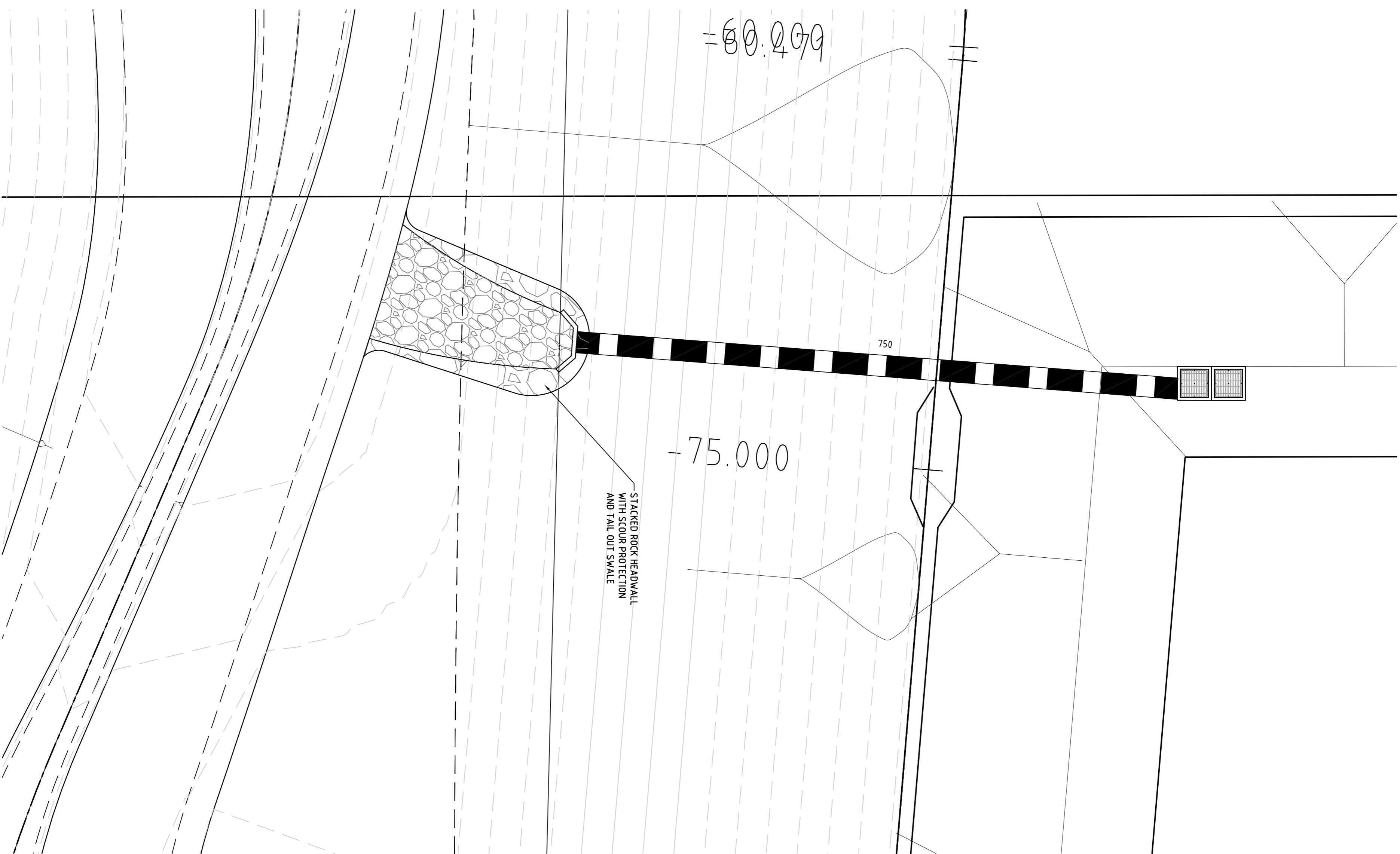
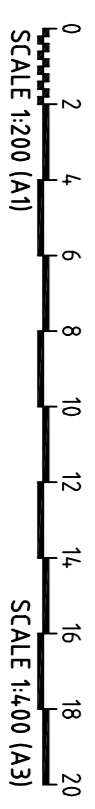
03 05/06/2006	REVISED DRAWINGS	AMK	APP	Designer and Copyright: ALL DIMENSIONS TO BE CHECKED ON SITE BY SUPERINTENDANT PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. © Brown Consulting (NSW) Pty Ltd
02 14/03/06	ISSUE FOR PROJECT APPLICATION	AMK	APP	
01 07/02/06	ISSUE FOR COMMENTS	AMK	APP	
REV	DATE	DESCRIPTION	BY	
DATE	AMENDMENTS	VER	APP	

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BROWN
 Sydney Brisbane Melbourne Perth
 Quality Management ISO 9001
 Environmental Management ISO 14001
 Health & Safety Management ISO 45001

Project:	EASTERN SITE WORKS SUBDIVISION STORMWATER CONCEPT PLAN
Client:	CSR LIMITED
Drawing:	ROAD 1 LONGSECTION AND BASIN SECTIONS
Drawn by:	AK
Checked by:	AK
Scale:	1:500 (H) 1:100 (V)
Project No.:	M03033.12
Drawing No.:	DA304
Rev.:	03



ROCK RETAINING WALL
DETAIL
NTS

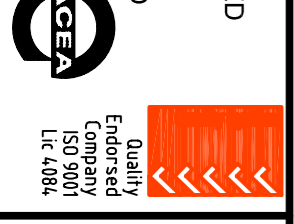


LEGEND

- PROPOSED CONTOURS
- PROPOSED CREEK
- BATTER
- PIPELINE
- PIT

REV	DATE	DESCRIPTION	BY	VER	APP
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02	14/03/06	ISSUE FOR PROJECT APPLICATION	AMK	RAJ	
01	07/02/06	ISSUE FOR COMMENTS	AMK	RAJ	
		AMENDMENTS			

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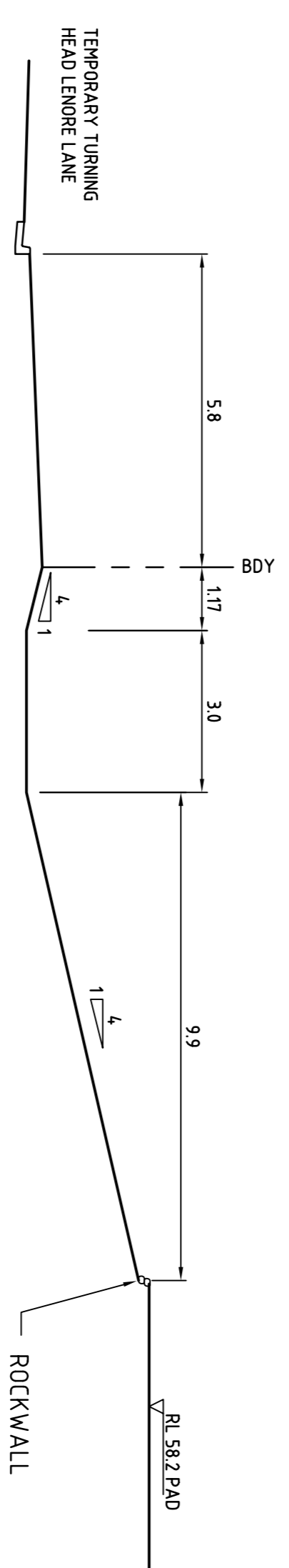
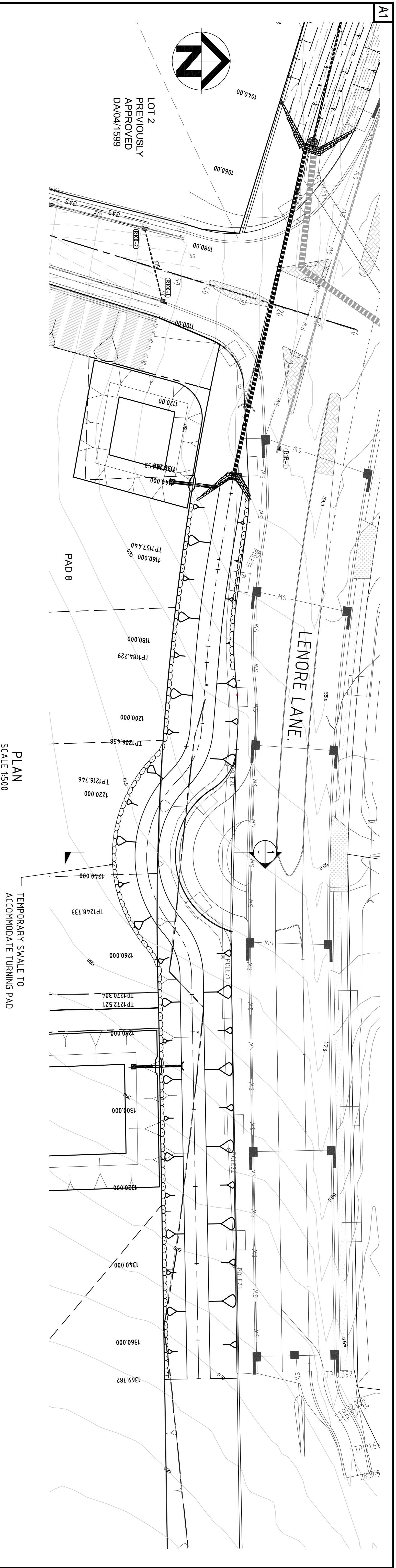
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Telephone: 02 9900 1000 Facsimile: 02 9900 1099

VERIFICATION	INITIALS	SIGNATURE	DATE
DRAFTING			
DESIGN			
VERIFY			
APPROVED			

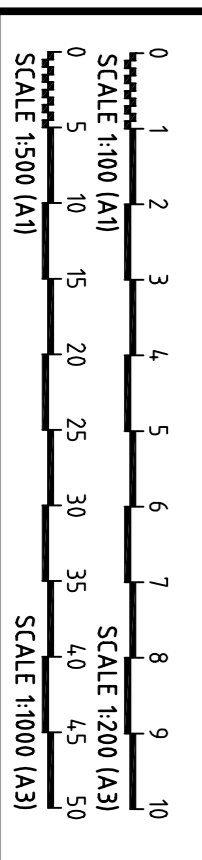
Client: **CSR LIMITED**
Project: **EASTERN SITE WORKS SUBDIVISION BULK EARTHWORKS**

Drawing: **PIPE OUTLET PLAN & DETAILS**
Drawn by: AK
Design by: AK / JR
Project No: M09033.12
Drawing No: DA305
Sheet: 5 of 12
Scale: 1:200
Rev: 03

PRELIMINARY



SECTION 1
SCALE 1:100 (H)
SCALE 1:100 (V)



REV	DATE	DESCRIPTION	BY	VER	APP
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02	14/03/06	ISSUE FOR PROJECT APPLICATION	AMK	RAP	
01	07/02/06	ISSUE FOR COMMENTS	AMK	RAP	
		AMENDMENTS			

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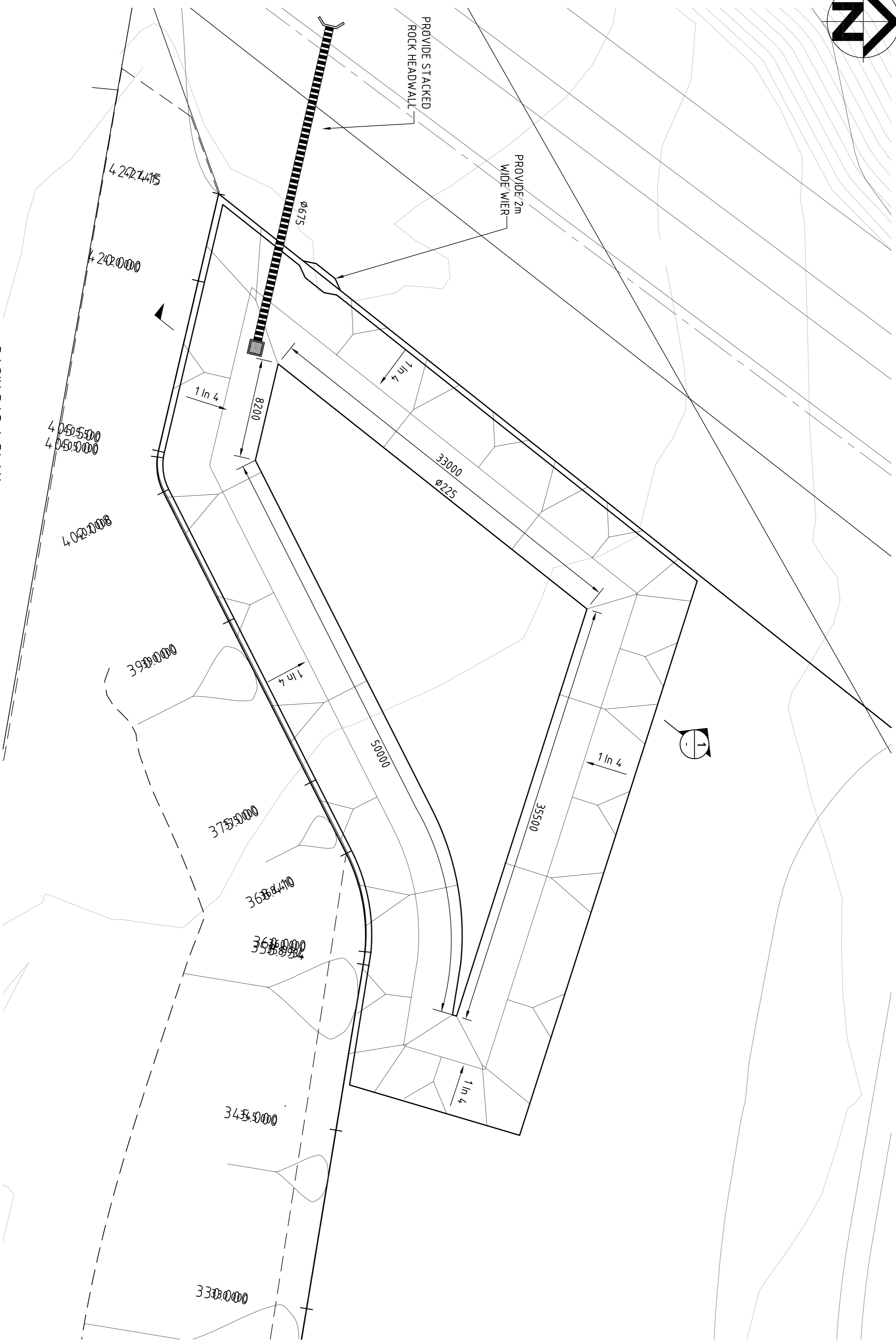
VERIFICATION	INITIALS	SIGNATURE	DATE
DRAFTING			
DESIGN			
VERIFY			
APPROVED			

Client: **CSR LIMITED**
Project: **EASTERN SITE WORKS SUBDIVISION STORMWATER CONCEPT PLAN**

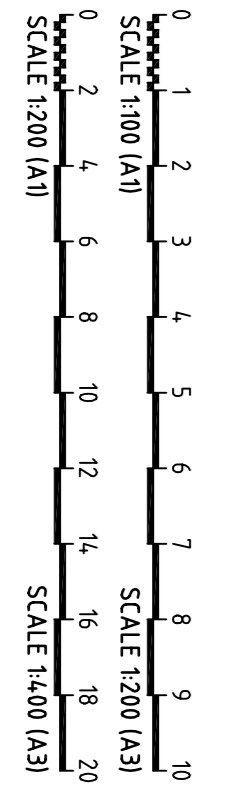
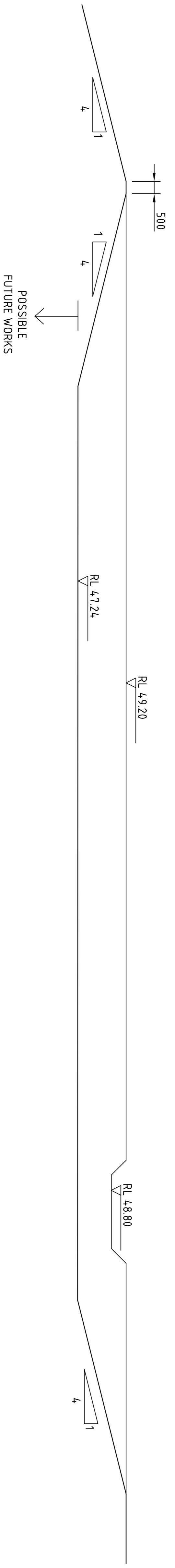
Drawing: **DETAIL PLAN, LONGITUDINAL SECTION CH. 1110 TO CH. 1368.15 LENORE LANE CHANNEL INTERIM DESIGN**

Drawn by:	Sheet:
AK	7 OF 12
Design by:	Scale:
AK/WA	1:500
Project No:	Rev:
W03033.12	03
Drawing No:	
DA307	

PRELIMINARY



NOTE:
 1) BASIN IS SHOWN DIAGRAMATICALLY AND WILL NEED TO BE DESIGNED TO SUIT THE FUTURE DEVELOPMENT OF THE SITE.
 2) BIO RETENTION FILTER AND ASSOCIATED DRAINAGE NOT TO BE PROVIDED UNTIL AFTER STRUCTURE CONSTRUCTION IS COMPLETE.
 3) BASIN IS TO BE CONSTRUCTED AS EROSION & SEDIMENT CONTROL BASIN AS INDICATED ON DWG DATA10.



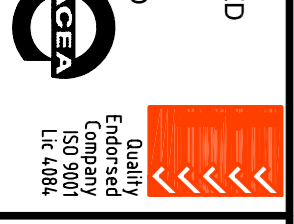
BASIN PAD 4 PLAN
SCALE:1:200

SECTION 1
SCALE 1:100 (H)

PRELIMINARY

REV	DATE	DESCRIPTION	BY	VER	APP
03	05/06/2006	REVISED DRAUGHTS	AMK	RAP	
02	14/03/06	ISSUE FOR PROJECT APPLICATION	AMK	RAP	
01	07/02/06	ISSUE FOR COMMENTS	AMK	RAP	
		AMENDMENTS			

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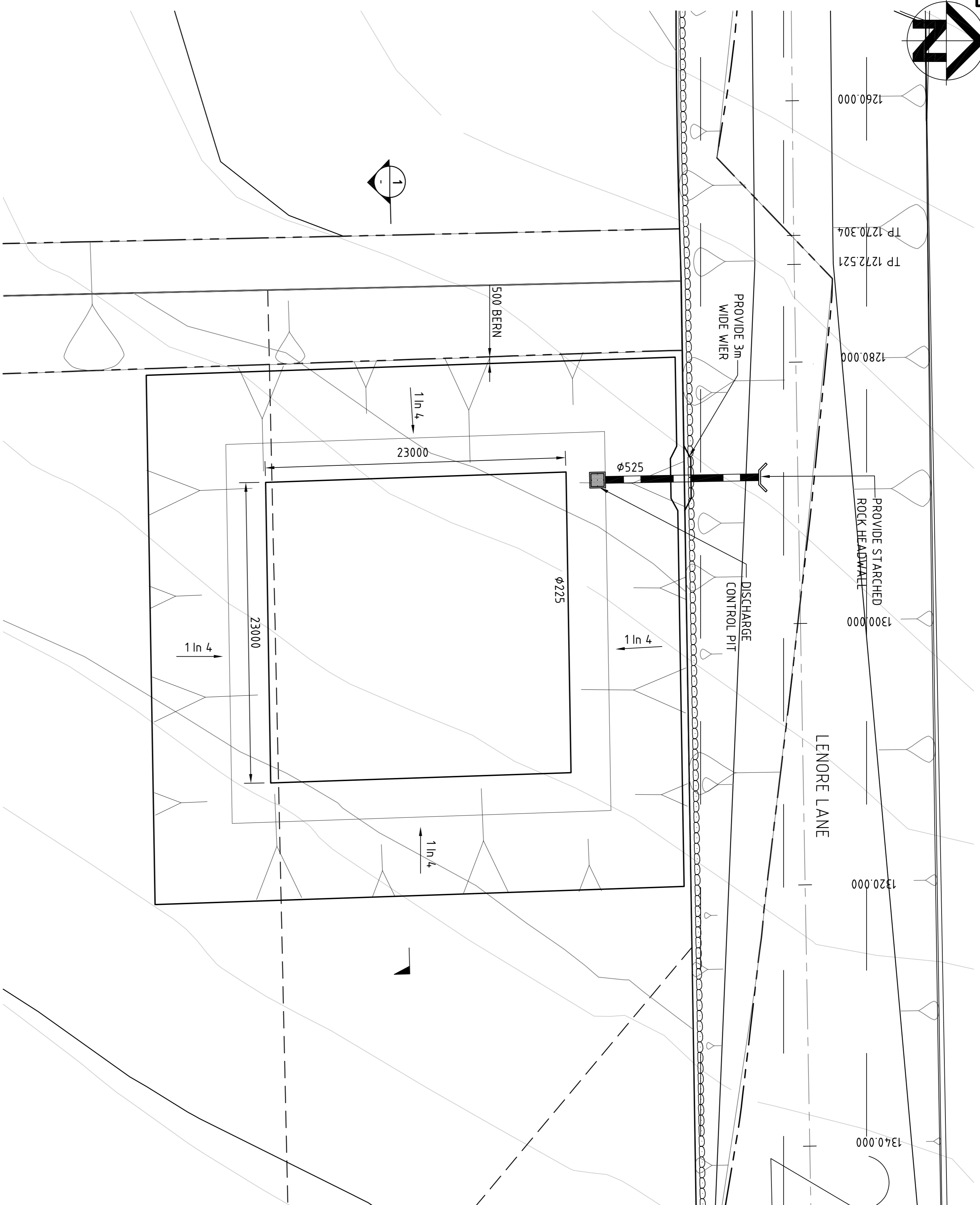
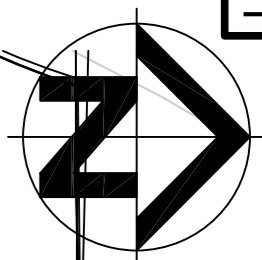


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DESIGN			
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VERIFY			
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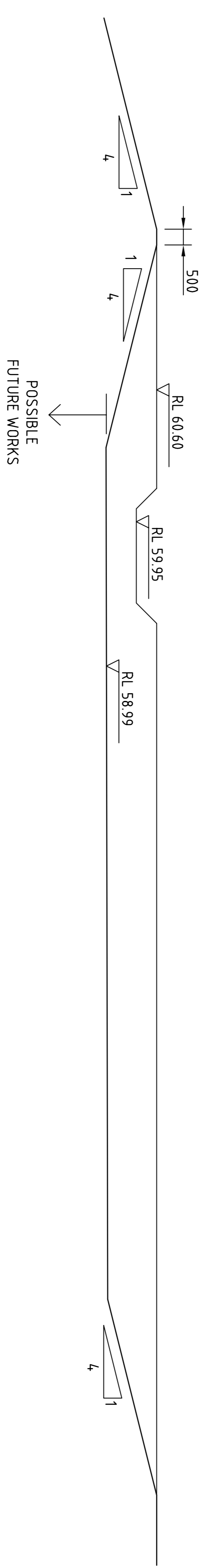
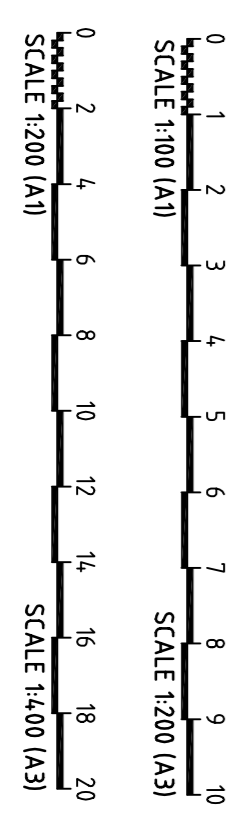
Client: **CSR LIMITED**
 Project: **EASTERN SITE WORKS SUBDIVISION STORMWATER CONCEPT PLAN**

Drawing: **TYPICAL STORMWATER CONTROL BASIN PAD 4**
 Drawn by: MRJ
 Design by: TJS
 Project No: W09033.12
 Drawing No: DA308
 Sheet: 8 OF 12
 Scale: 1:200
 Ref: 03



BASIN PAD 7 PLAN
SCALE: 1:200

NOTE:
 1) BASIN IS SHOWN DIAGRAMATICALLY AND WILL NEED TO BE DESIGNED TO SUIT THE FUTURE DEVELOPMENT OF THE SITE.
 2) BIO RETENTION FILTER AND ASSOCIATED DRAINAGE NOT TO BE PROVIDED UNTIL AFTER STRUCTURE CONSTRUCTION IS COMPLETE.
 3) BASIN IS TO BE CONSTRUCTED AS EROSION & SEDIMENT CONTROL BASIN AS INDICATED ON DWG DA110.



SECTION 1
SCALE 1:100 (H)

PRELIMINARY

REV	DATE	DESCRIPTION	BY	VER	APP
03	05/06/2006	REVISED PALETTE	AMK	RAP	
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01	07/02/06	ISSUE FOR COMMENTS	AMK	RAP	
		AMENDMENTS			

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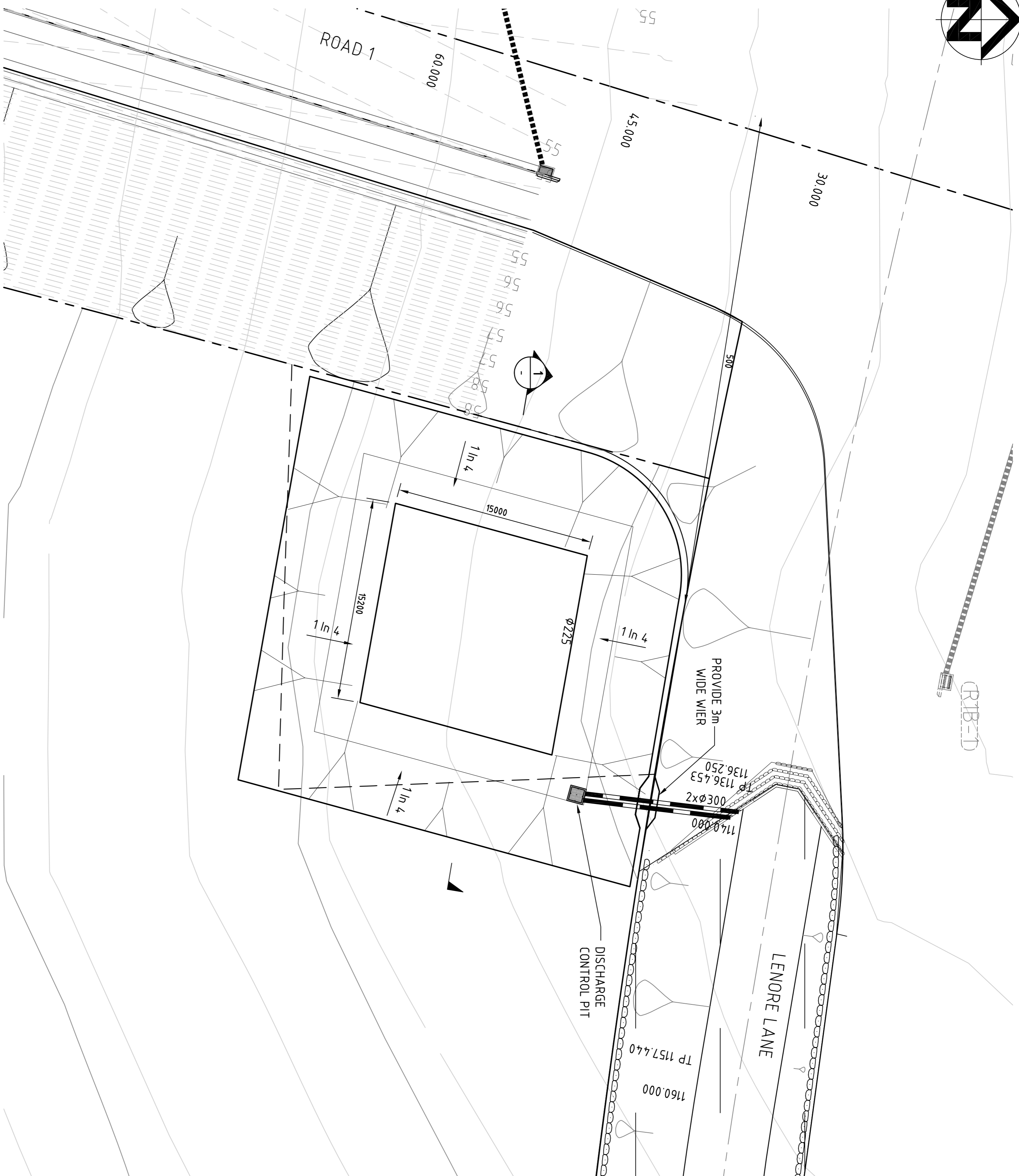


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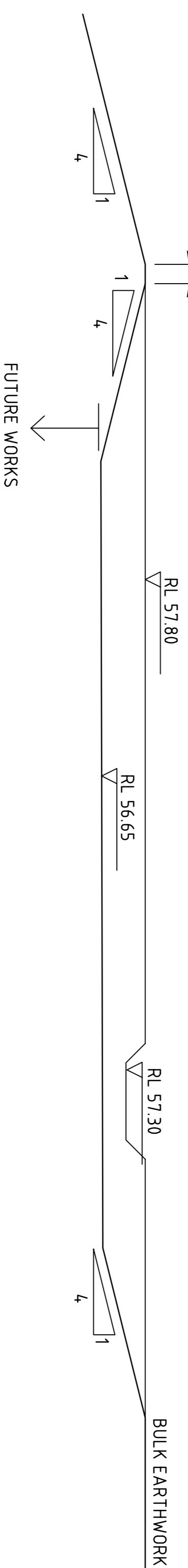
Client: **CSR LIMITED**
 Project: **EASTERN SITE WORKS SUBDIVISION STORMWATER CONCEPT PLAN**

Drawn by:	Sheet:
JMW	10 OF 12
Design by:	Scale:
TIS	1:200
Project No.:	Ref.:
W09033.12	03
Drawing No.:	
DA310	



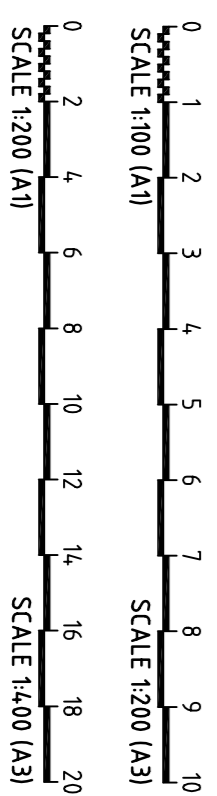
NOTE:
 1) BASIN IS SHOWN DIAGRAMATICALLY AND WILL NEED TO BE DESIGNED TO SUIT THE FUTURE DEVELOPMENT OF THE SITE.
 2) BIO RETENTION FILTER AND ASSOCIATED DRAINAGE NOT TO BE PROVIDED UNTIL AFTER STRUCTURE CONSTRUCTION IS COMPLETE.
 3) BASIN IS TO BE CONSTRUCTED AS EROSION & SEDIMENT CONTROL BASIN AS INDICATED ON DWG DA110.

BASIN PAD 8 PLAN
 SCALE:1:200



SECTION 1
 SCALE 1:500 (H)

PRELIMINARY



03	05/06/2006	REVISED DRAUGHTS	AMK	RAP
02	14/03/06	ISSUE FOR PROJECT APPLICATION	AMK	RAP
01	07/02/06	ISSUE FOR COMMENTS	AMK	RAP
REV	DATE	DESCRIPTION	BY	VER

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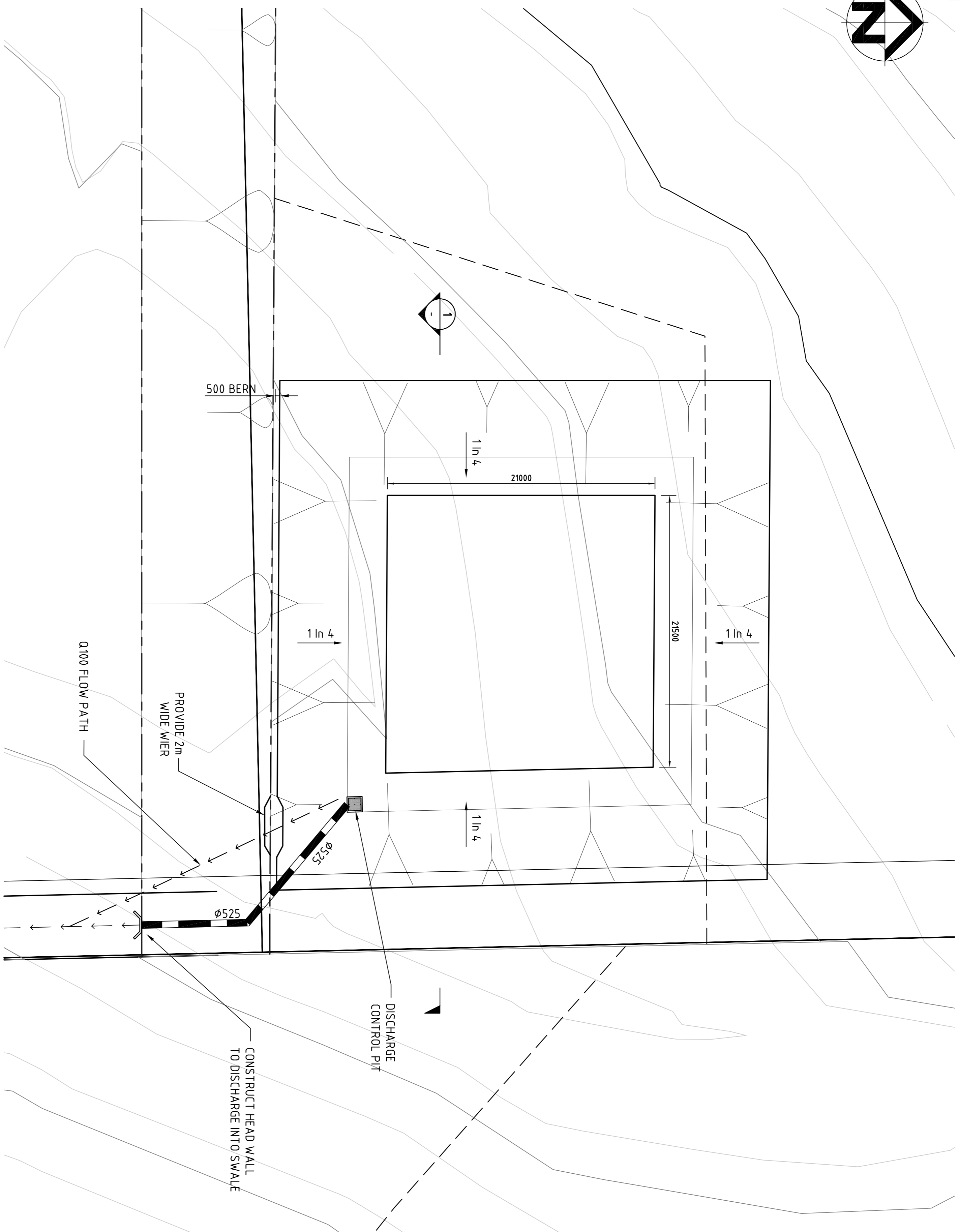
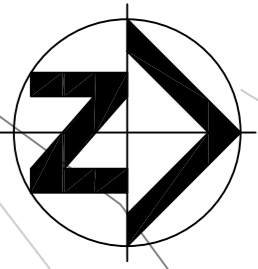
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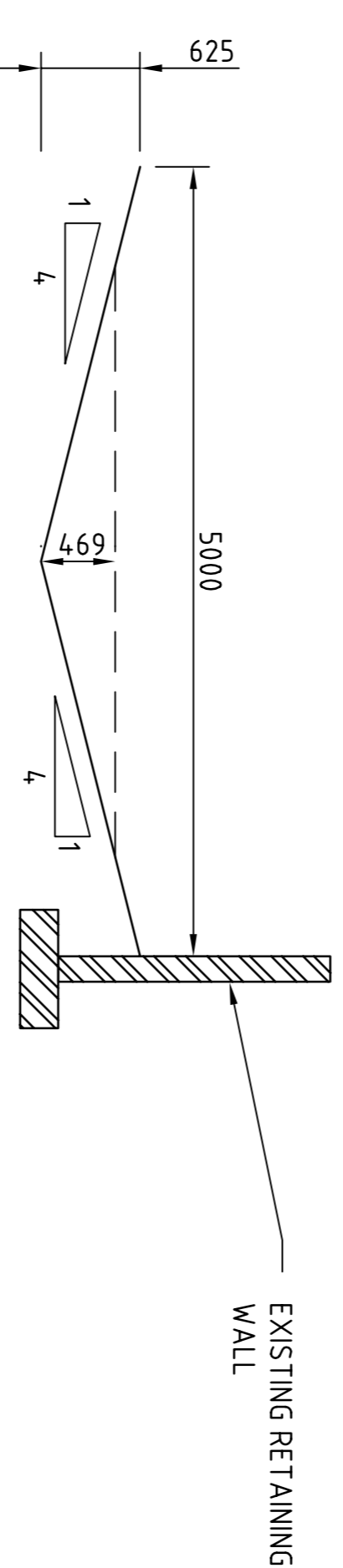
VERIFICATION	
INITIALS	SIGNATURE
DATE	
DRAFTING	
DESIGN	
VERIFY	
APPROVED	

Client: **CSR LIMITED**
 Project: **EASTERN SITE WORKS SUBDIVISION STORMWATER CONCEPT PLAN**

Drawing: **TYPICAL STORMWATER CONTROL BASIN PAD 8**
 Drawn by: JMW
 Design by: TJS
 Project No: M09033.12
 Drawing No: DA311
 Sheet: 11 OF 12
 Scale: 1:200
 Ref: 03

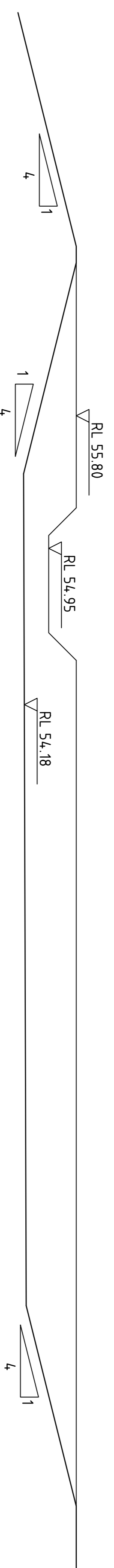
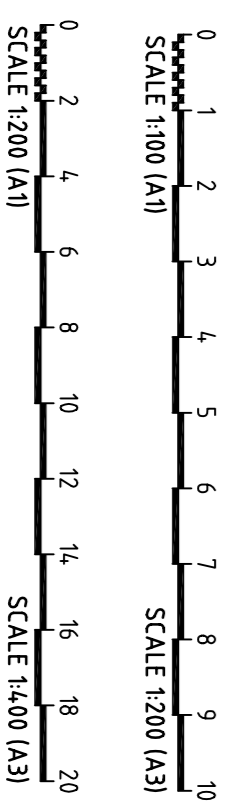


BASIN PAD 9 PLAN
SCALE: 1:200



TYPICAL SWALE SECTION

- NOTE:**
- 1) BASIN IS SHOWN DIAGRAMMATICALLY AND WILL NEED TO BE DESIGNED TO SUIT THE FUTURE DEVELOPMENT OF THE SITE.
 - 2) BIO RETENTION FILTER AND ASSOCIATED DRAINAGE NOT TO BE PROVIDED UNTIL AFTER STRUCTURE CONSTRUCTION IS COMPLETE.
 - 3) BASIN IS TO BE CONSTRUCTED AS EROSION & SEDIMENT CONTROL BASIN AS INDICATED ON DWG DA110.

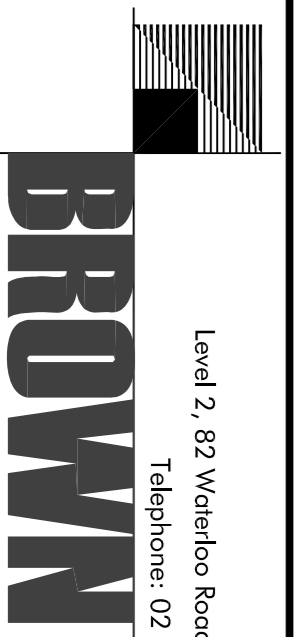


SECTION 1-1
SCALE 1:100 (H)

PRELIMINARY

REV	DATE	DESCRIPTION	BY	VER	APP
02	05/06/2006	REVISED PAQ LEVELS	AMK	RAP	
01	07/02/06	ISSUE FOR COMMENTS	AMK	RAP	

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VERIFICATION		Client:
INITIALS	SIGNATURE	DATE

Project:		Drawing:	
EASTERN SITE WORKS SUBDIVISION STORMWATER CONCEPT PLAN		TYPICAL STORMWATER CONTROL BASIN PAD 9	
Drawn by:	Sheet:	Design by:	Scale:
JMW	12 OF 12	TJS	1:200
Project No:	Project Name:	Project No:	Project Name:
W03033.12		W03033.12	
Drawing No:	Rev:	Drawing No:	Rev:
DA312	02	DA312	02