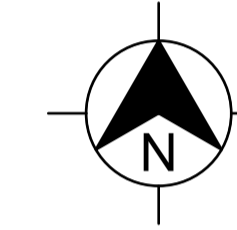
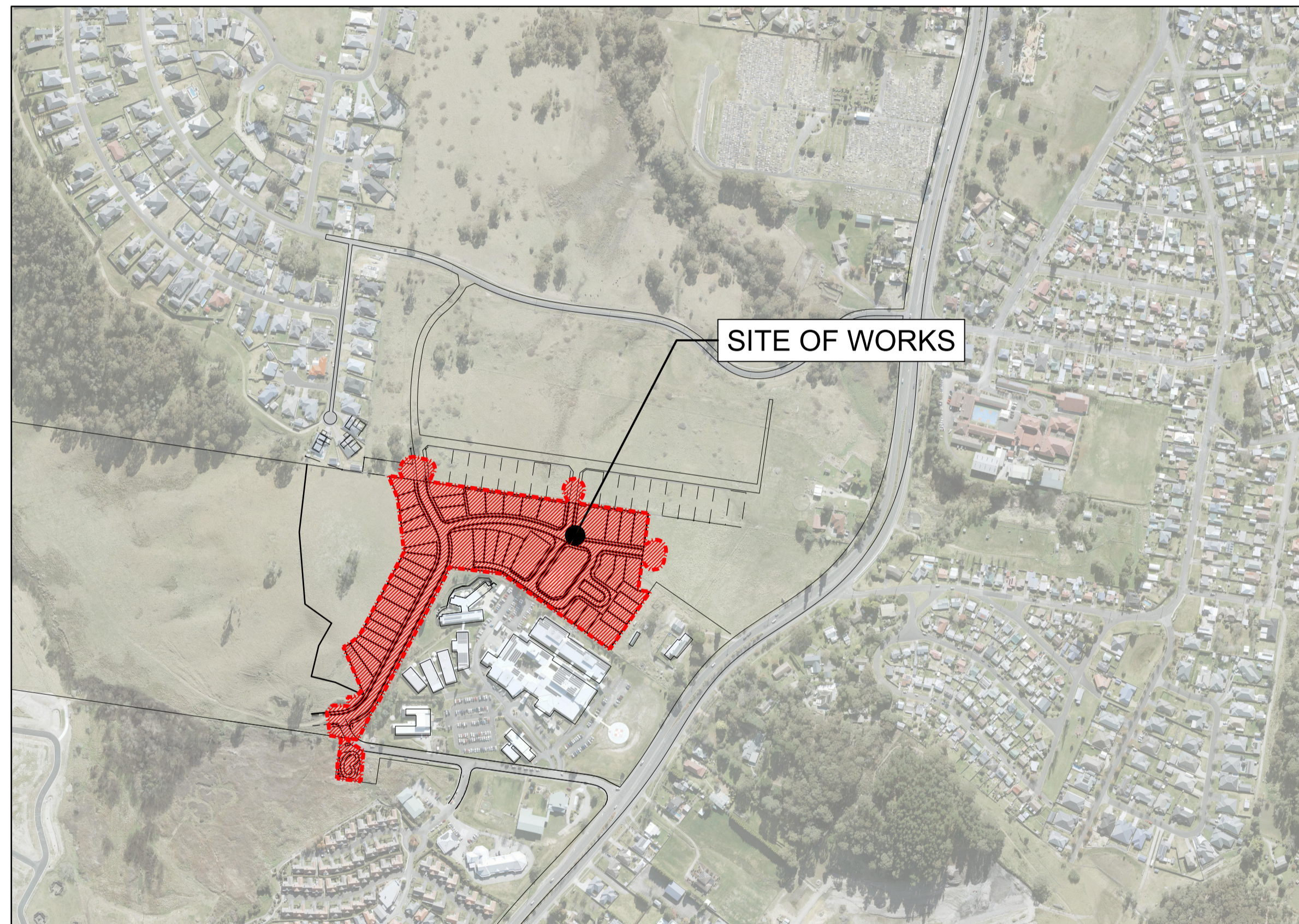




# Lithgow CITY COUNCIL

## SOUTH BOWENFELS DEVELOPMENT APPLICATION PROPOSED LOT, ROAD AND DRAINAGE WORKS

LEGEND			
DESCRIPTION	PROPOSED	EXISTING	FUTURE
EXTENT OF WORKS			
ELSHOLZ KERB			
ROLL KERB			
KERB ONLY			
DISH DRAIN			
EDGE STRIP			
CONTOURS			
BOUNDARIES			
DRAINAGE LINE & PIT			
HEADWALL			
CATCHDRAIN			
RETAINING WALLS			
ZONE BOUNDARY			
PARKING BAY			



CIVIL PLAN INDEX		
PLAN NO.	PLAN NAME	REV
110698-03-CC001	COVER SHEET, NOTES, LEGEND & INDEX	B
110698-03-CC002	LAYOUT PLAN	B
110698-03-CC003	LOT ARRANGEMENT PLAN	B
110698-03-CC004	TYPICAL SECTIONS	B
110698-03-CC005	SERVICES PLAN	B
110698-03-CC006	STAGING PLAN	A
110698-03-CC010	CUT & FILL PLAN	B
110698-03-CC011	SITE SECTIONS SHEET 1	B
110698-03-CC012	SITE SECTIONS SHEET 2	A
110698-03-CC050	ENGINEERING PLAN SHEET 1	B
110698-03-CC051	ENGINEERING PLAN SHEET 2	B
110698-03-CC100	ROAD LONGITUDINAL SECTIONS SHEET 1	B
110698-03-CC101	ROAD LONGITUDINAL SECTIONS SHEET 2	B
110698-03-CC102	ROAD LONGITUDINAL SECTIONS	B
110698-03-CC200	SOIL & WATER MANAGEMENT PLAN	B
110698-03-CD250	OSD AND RAINGARDEN PLAN	A
110698-03-CD300	SIGNAGE & LINEMARKING PLAN SHEET 1	A
110698-03-CD301	SIGNAGE & LINEMARKING PLAN SHEET 2	B
110698-03-CD400	TURNING PATHS SHEET 1	B
110698-03-CD401	TURNING PATHS SHEET 2	B

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DIMENSIONS & AREAS SHOWN ARE APPROXIMATE ONLY & ARE SUBJECT TO SURVEY.

THE POSITION OF FEATURES SHOWN MAY BE DIAGRAMMATIC ONLY & ARE SUBJECT TO SURVEY.

THIS PLAN IS FOR DEVELOPMENT APPLICATION PURPOSES ONLY.

EASEMENTS FOR SERVICES TO BE CREATED WHERE NECESSARY.



UTILITIES SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES & STANDARDS.

NOTE: UTILITIES SHOWN MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS

Survey By:  
**CEH SURVEY**  
CONSULTING LAND, ENGINEERING AND MINING SURVEYORS  
"ASTROLABE" 1 RUTHERFORD LANE, LITHGOW, 2790  
Ph. (02) 6351 2281  
Subdivision Survey:  
Surveyed On: 04/06/2021      Plan Number: 4882\_DETAIL\_0621

Survey By:  
**CEH SURVEY**  
CONSULTING LAND, ENGINEERING AND MINING SURVEYORS  
"ASTROLABE" 1 RUTHERFORD LANE, LITHGOW, 2790  
Ph. (02) 6351 2281  
Subdivision Survey:  
Surveyed On: 21/04/2016  
Plan Number: TTL MASTER PLAN, JOB:TTL MASTER-TTL001

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B	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
A	ISSUE FOR CLIENT REVIEW	CC	JM			
	AMENDMENT	DES	DRN	CKD	APR	DATE

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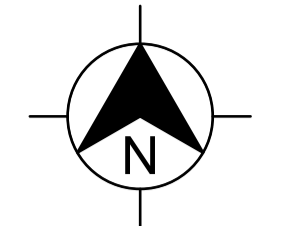
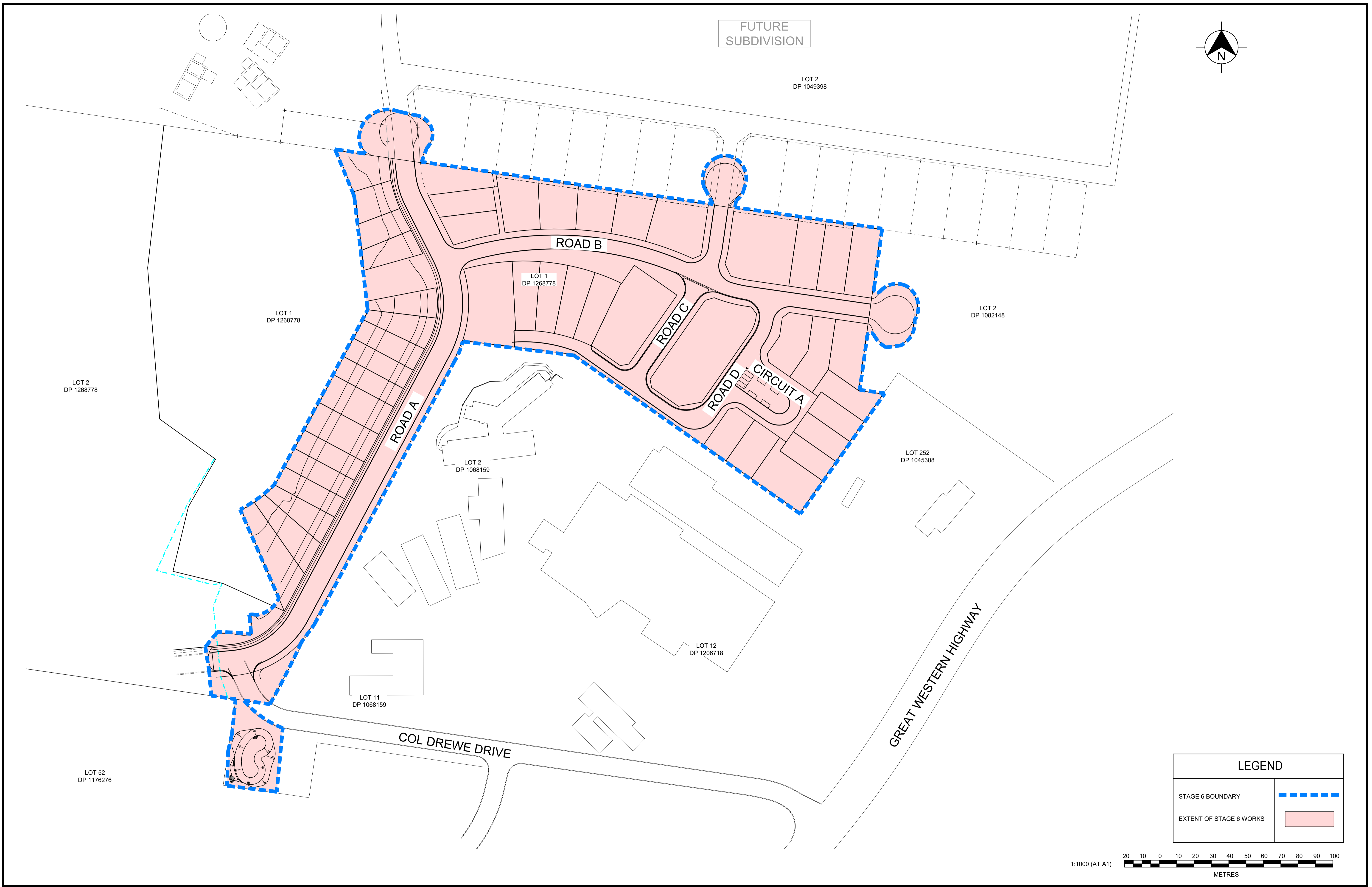
**SOUTH BOWENFELS**  
**STAGE 1 & 2**  
COVER SHEET, NOTES, LEGEND & INDEX

PROJECT No: **110698-03**  
SHEET No: **CD001**

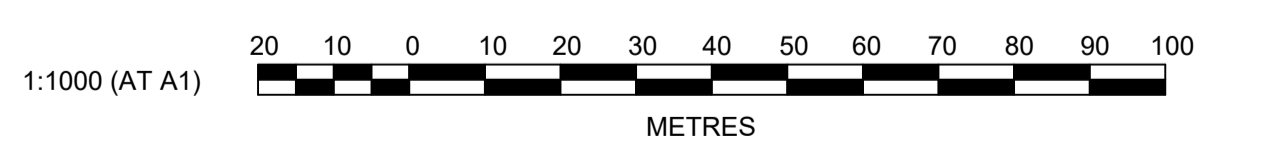
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AZIMUTH: M.G.A.2020    DATUM: A.H.D.    ORIGIN:    B

PROJECT No: **110698-03**  
SHEET No: **CD001**



LEGEND	
STAGE 6 BOUNDARY	
EXTENT OF STAGE 6 WORKS	



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**SOUTH BOWENFELS**  
**STAGE 1 & 2**  
 LAYOUT PLAN

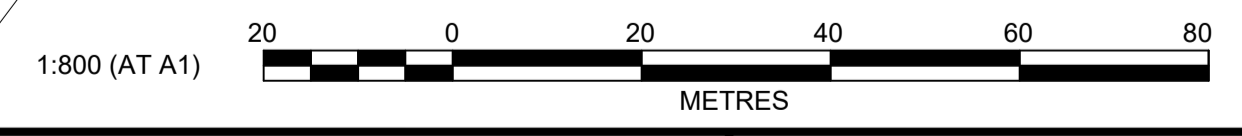
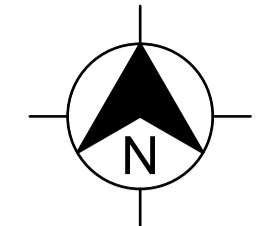
PROJECT No: **110698-03**  
 SHEET No: **CD002**

AMENDMENT

PLAN No: **110698-03-CD002**

PROJECT No: **110698-03**  
 SHEET No: **CD002**

AZIMUTH: M.G.A.2020    DATUM: A.H.D.    ORIGIN:    PLAN No: **110698-03-CD002**



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AMENDMENT	DES	DRN	CKD	APR	DATE
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A	CC	JM			

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**SOUTH BOWENFELS STAGE 1 & 2**

**LOT ARRANGEMENT PLAN**

PROJECT No: **110698-03**

SHEET No: **CD003**

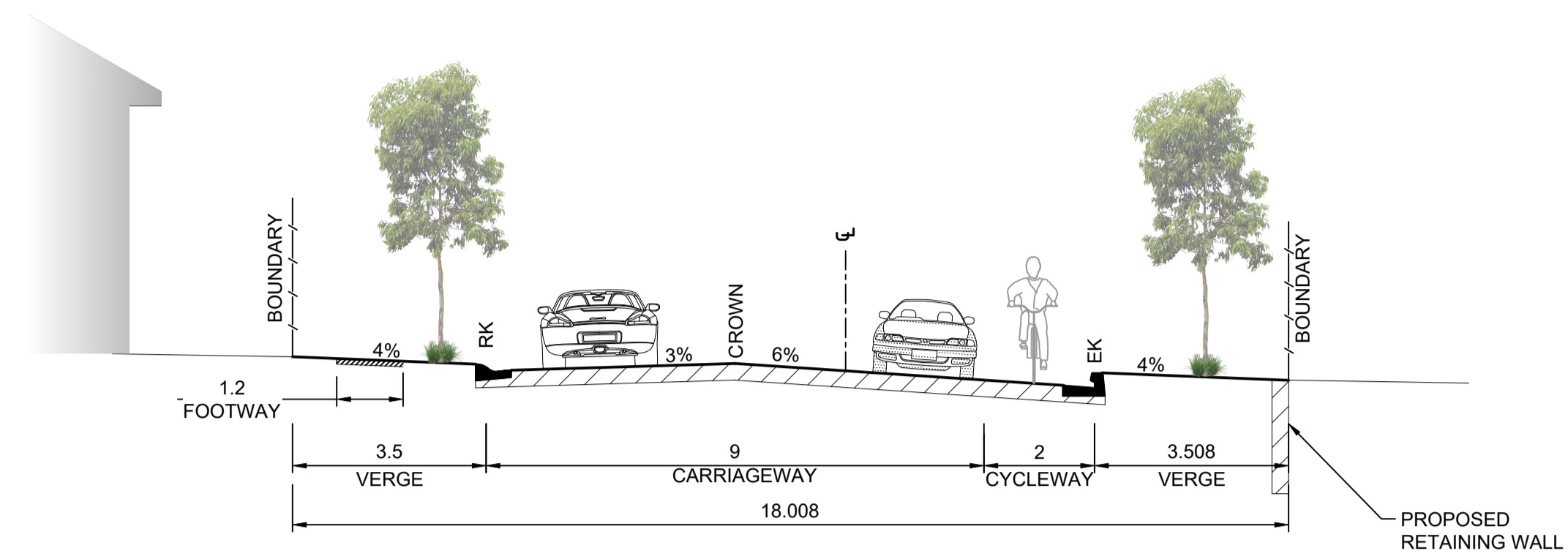
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PROJECT No: **110698-03**

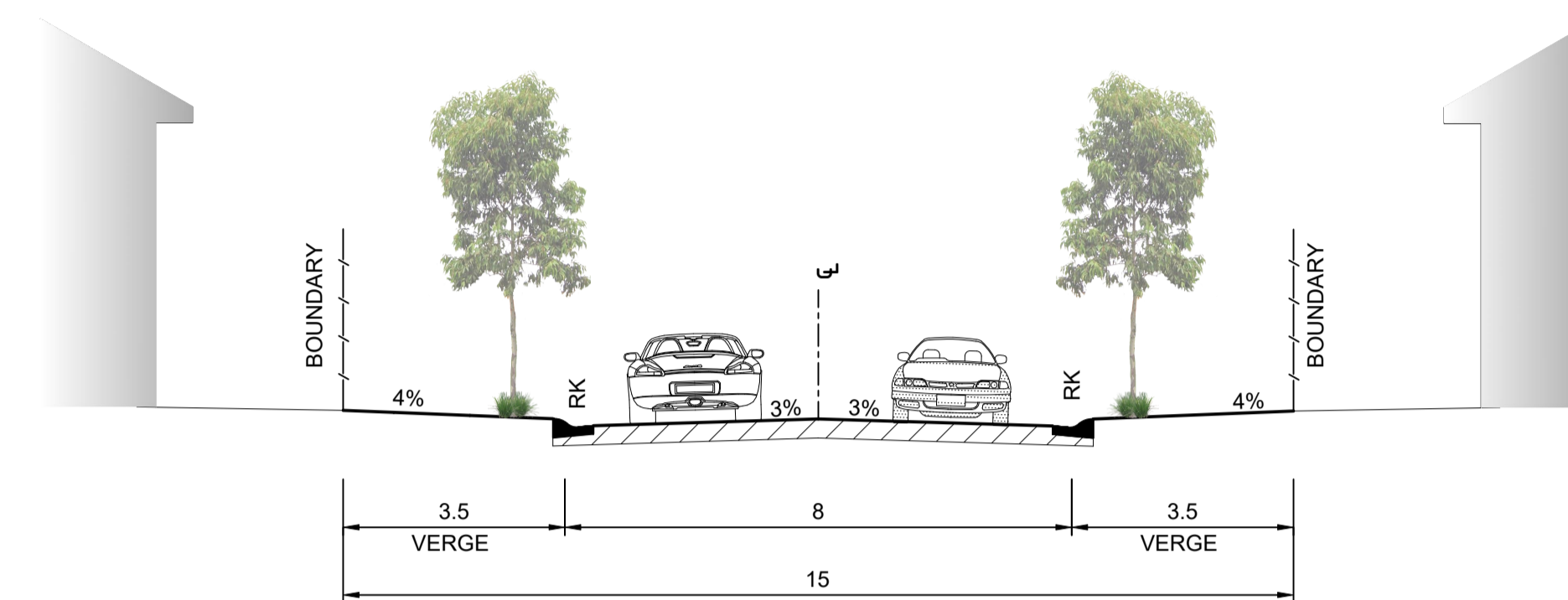
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PLAN No: **110698-03-CD003**

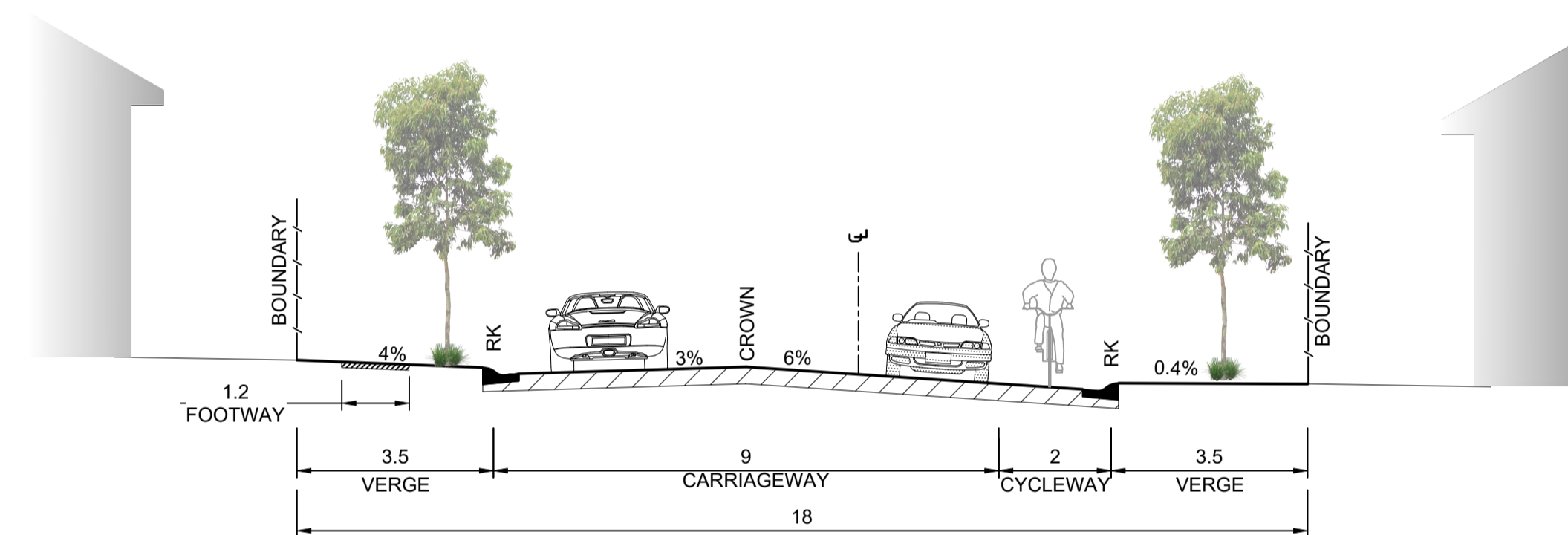
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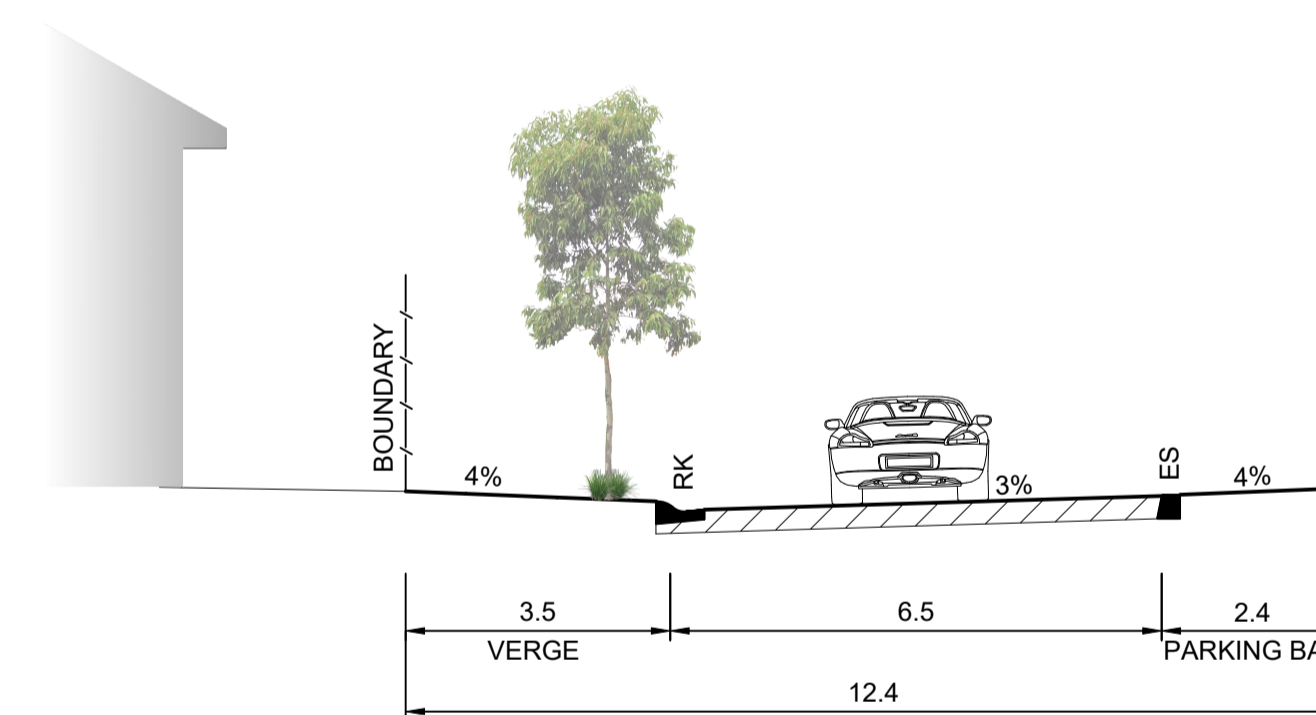
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SCALE: 1:100



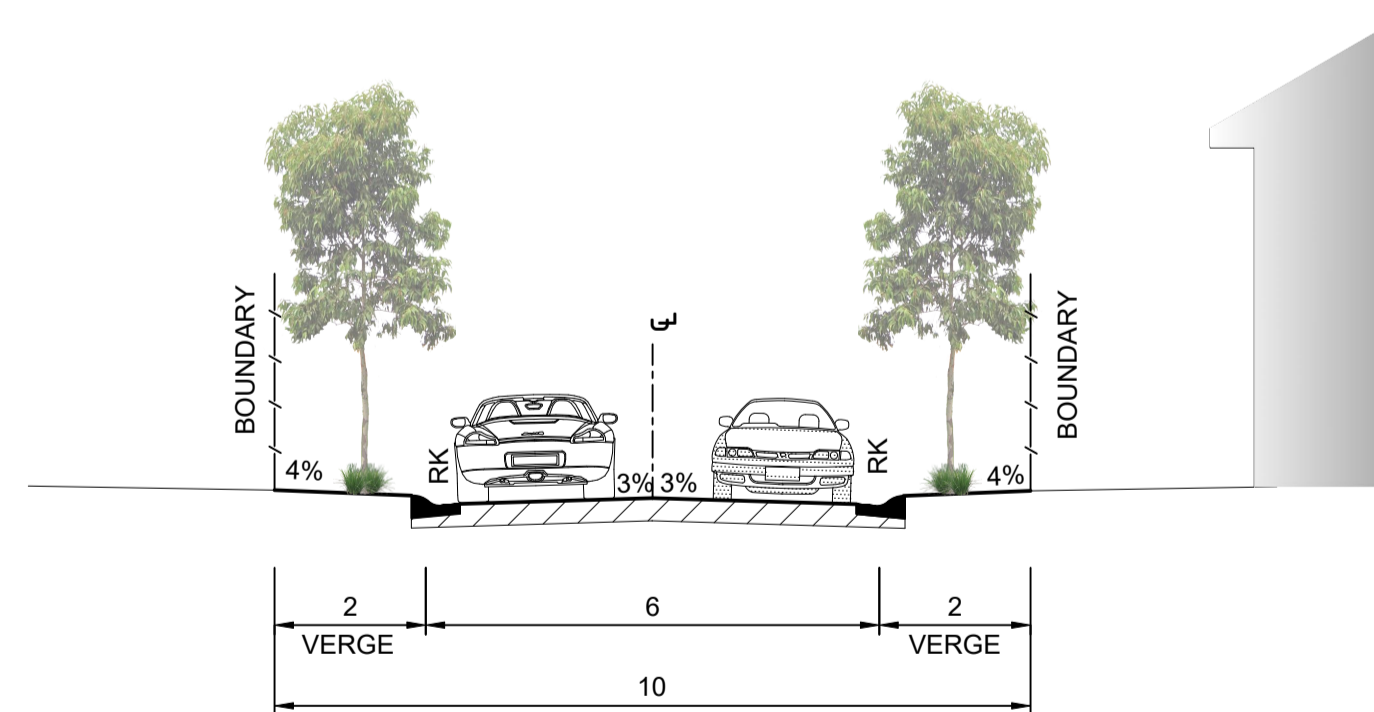
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SCALE: 1:100



ROAD A CH 270.000 TO CH 371.110  
SCALE: 1:100



CIRCUIT A  
SCALE: 1:100



ROAD D CH 102.698 TO CH 204.615  
SCALE: 1:100



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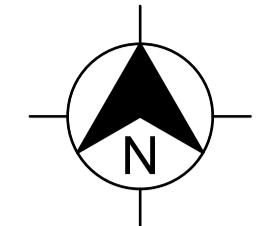
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SOUTH BOWENFELS  
 STAGE 1 & 2  
 TYPICAL SECTIONS

AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD004

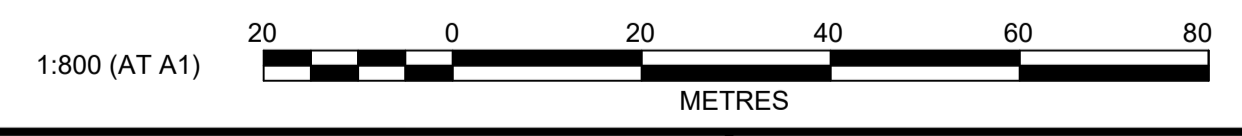
PROJECT No:  
**110698-03**  
 SHEET No:  
**CD004**

B



LEGEND	
	PROPOSED SEWER
	EXISTING SEWER
	PROPOSED WATER
	PROPOSED ELECTRICITY
	PROPOSED GAS
	PROPOSED NBN

NOTE: SERVICES SUBJECT TO DETAIL DESIGN



REV	DESCRIPTION	DES	DRN	CKD	APR	DATE
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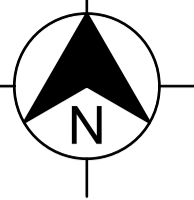
**SOUTH BOWENFELS**  
STAGE 1 & 2  
PROPOSED SERVICES PLAN

PROJECT No: **110698-03**  
SHEET No: **CD005**

PLAN No: **110698-03-CD005**

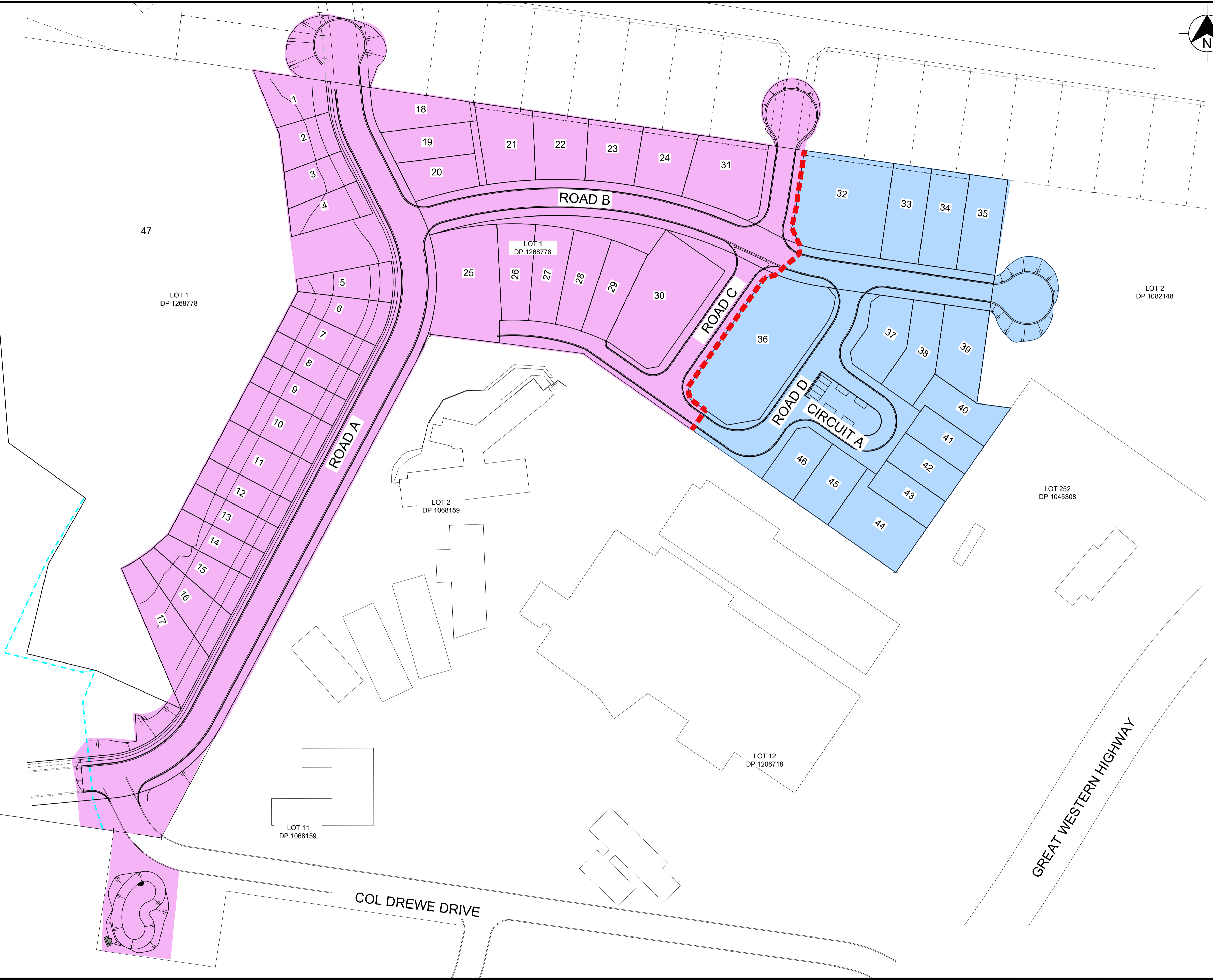
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SHEET No:	CD005
PLAN No:	110698-03-CD005
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**LEGEND**

- STAGE 1
- STAGE 2
- STAGE BOUNDARY



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	AMENDMENT	DES	DRN	CKD	APR
		DATE			

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**SOUTH BOWENFELS**  
 STAGE 1 & 2  
 STAGING PLAN

PROJECT No: **110698-03**  
 SHEET No: **CD006**

PLAN No: **110698-03-CD006**

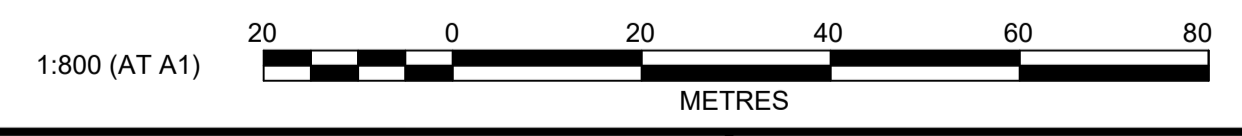
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 SHEET No: **CD006**

AZIMUTH: M.G.A.2020    DATUM: A.H.D.    ORIGIN:    PLAN No: **110698-03-CD006**    A



**LEGEND**

Lower_value	Upper_value	Colour
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-3	to -2.5	Red
-2.5	to -2	Orange-Red
-2	to -1.5	Orange
-1.5	to -1	Light Orange
-1	to -0.5	Yellow-Orange
-0.5	to 0	Yellow
0	to 0.5	Light Green
0.5	to 1	Green
1	to 1.5	Dark Green
1.5	to 2	Teal
2	to 2.5	Blue



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**SOUTH BOWENFELS**  
STAGE 1 & 2  
CUT & FILL PLAN

PROJECT No: **110698-03**  
SHEET No: **CD010**

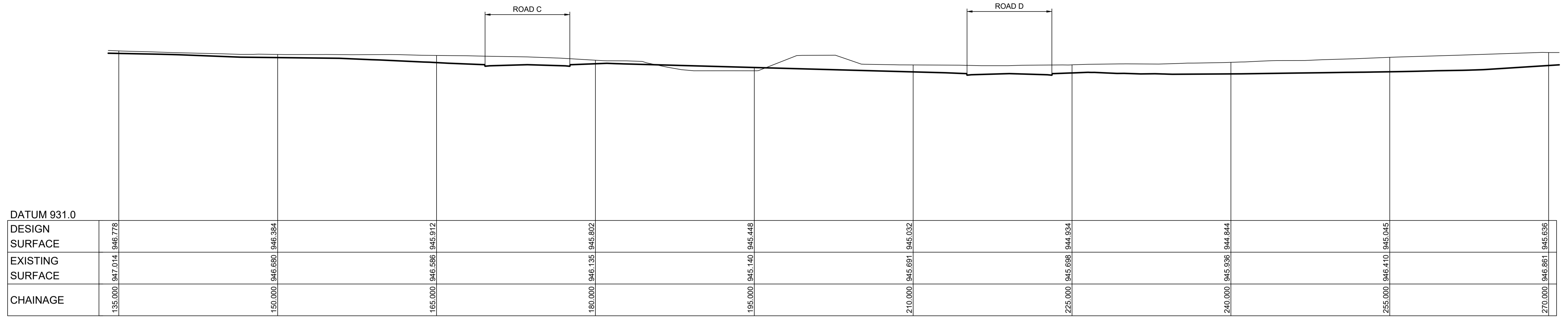
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PROJECT No: **110698-03**  
SHEET No: **CD010**

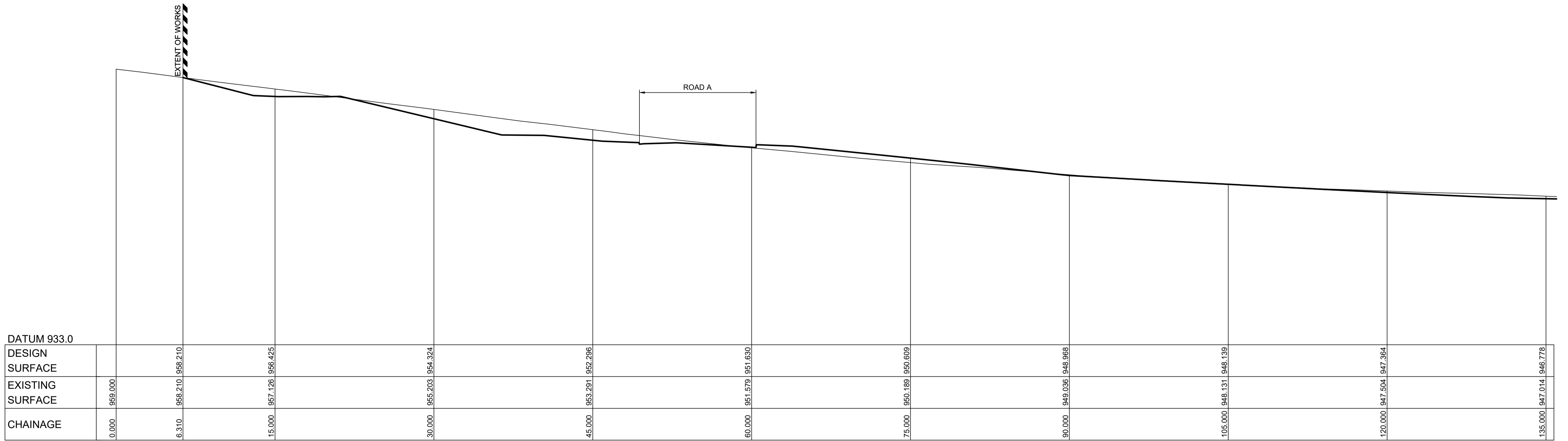
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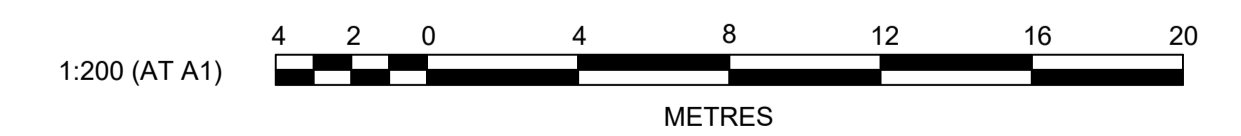
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SECTION A  
SCALE H 1:200  
V 1:200  
CD010



SECTION A  
SCALE H 1:200  
V 1:200  
CD010



AMENDMENT	DES	DRN	CKD	APR	DATE
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A	CC	JM			

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SOUTH BOWENFELS  
STAGE 1 & 2  
SITE SECTIONS  
SHEET 1

AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD011

PROJECT No:  
**110698-03**

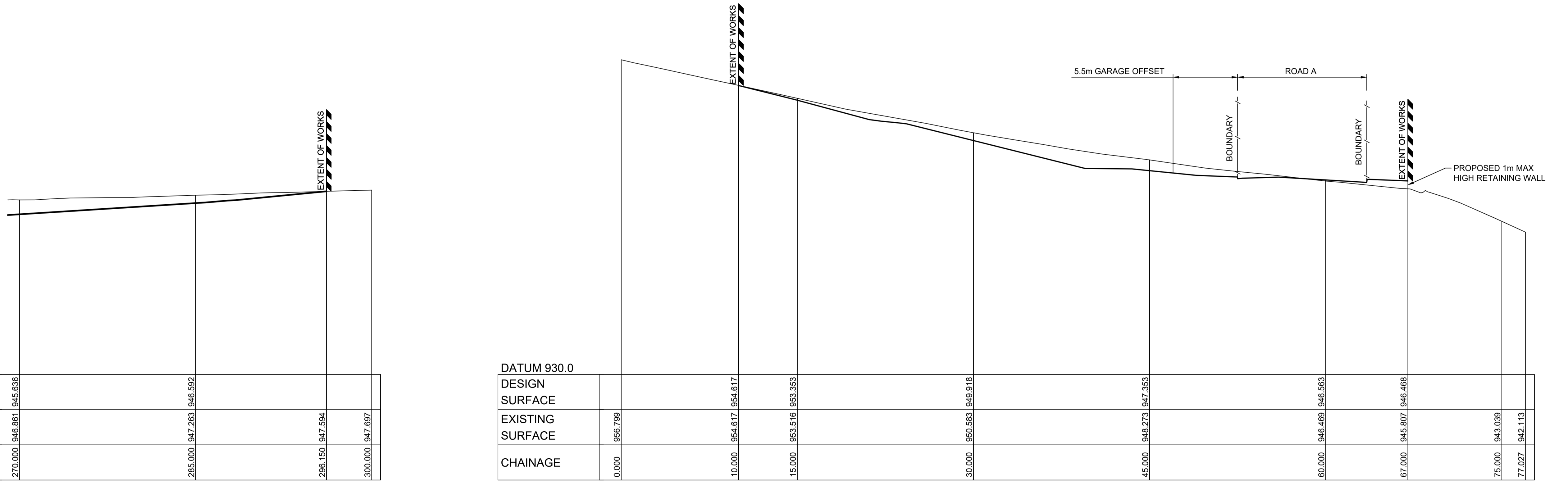
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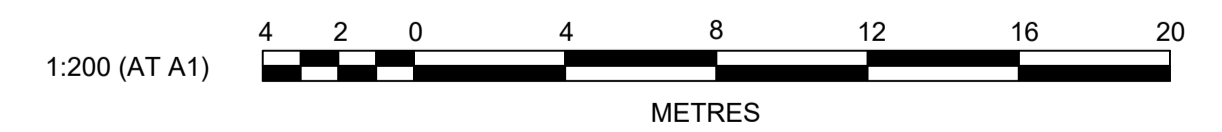


**SECTION B**  
SCALE H 1:200  
V 1:200  
CD010



**SECTION A**  
SCALE H 1:200  
V 1:200  
CD010

**SECTION C**  
SCALE H 1:200  
V 1:200  
CD010



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	AMENDMENT	CC	JM	KE	MS										
		DES	DRN	CKD	APR	DATE									

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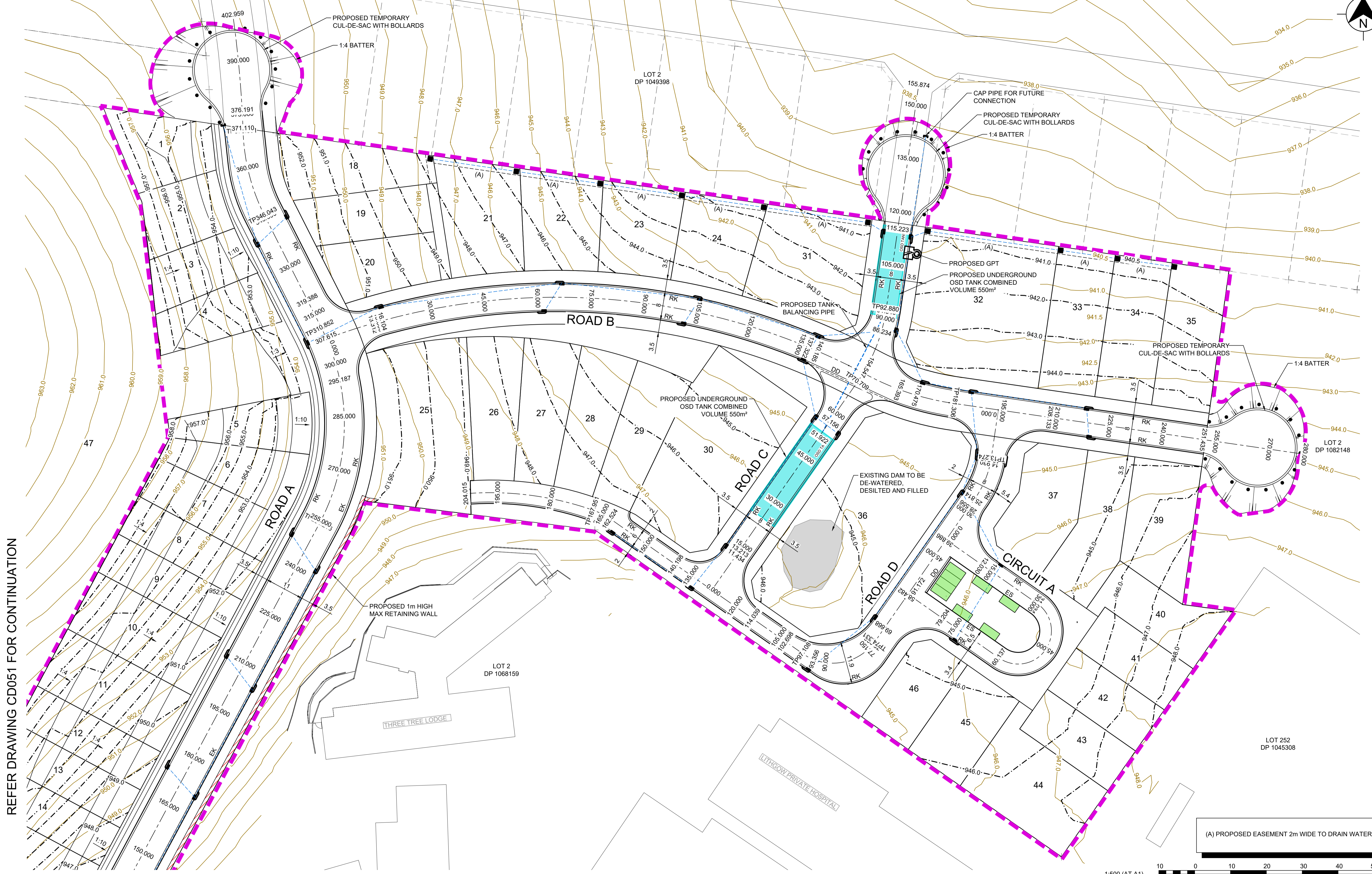
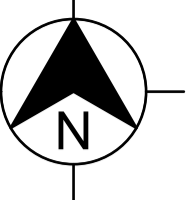
SOUTH BOWENFELS  
STAGE 1 & 2  
SITE SECTIONS  
SHEET 2

AZIMUTH: M.G.A.2020    DATUM: A.H.D.    ORIGIN:    PLAN No: 110698-03-CD012

PROJECT No:  
**110698-03**

SHEET No:  
**CD012**

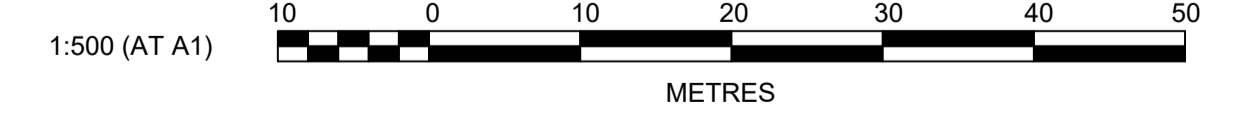
A



REFER DRAWING CD051 FOR CONTINUATION

REFER DRAWING CD051 FOR CONTINUATION

(A) PROPOSED EASEMENT 2m WIDE TO DRAIN WATER



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	AMENDMENT	DES	DRN	CKD	APR	DATE

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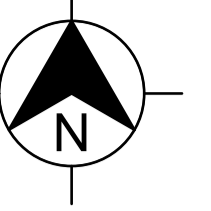
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**SOUTH BOWENFELS**  
STAGE 1 & 2  
ENGINEERING PLAN  
SHEET 1

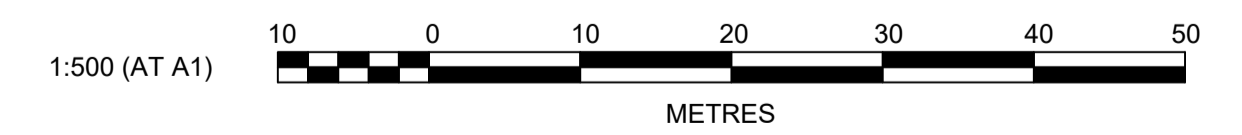
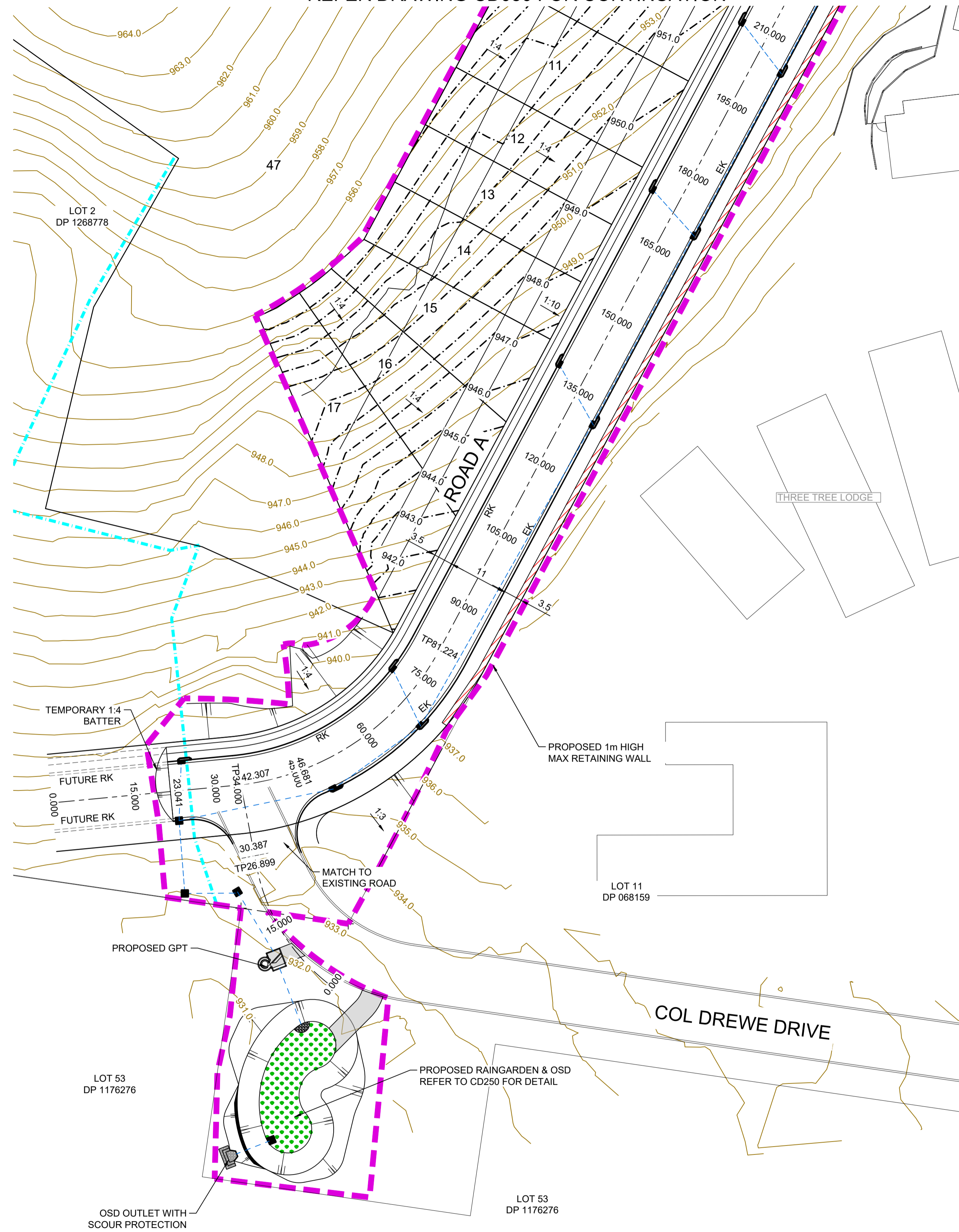
AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD050

PROJECT No: **110698-03**  
SHEET No: **CD050**

B



REFER DRAWING CD050 FOR CONTINUATION



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A	ISSUE FOR CLIENT REVIEW	CC	JM				
	AMENDMENT	DES	DRN	CKD	APR	DATE	

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P 02 4720 3300 W [www.jwprince.com.au](http://www.jwprince.com.au) E [ejwp@jwprince.com.au](mailto:ejwp@jwprince.com.au)



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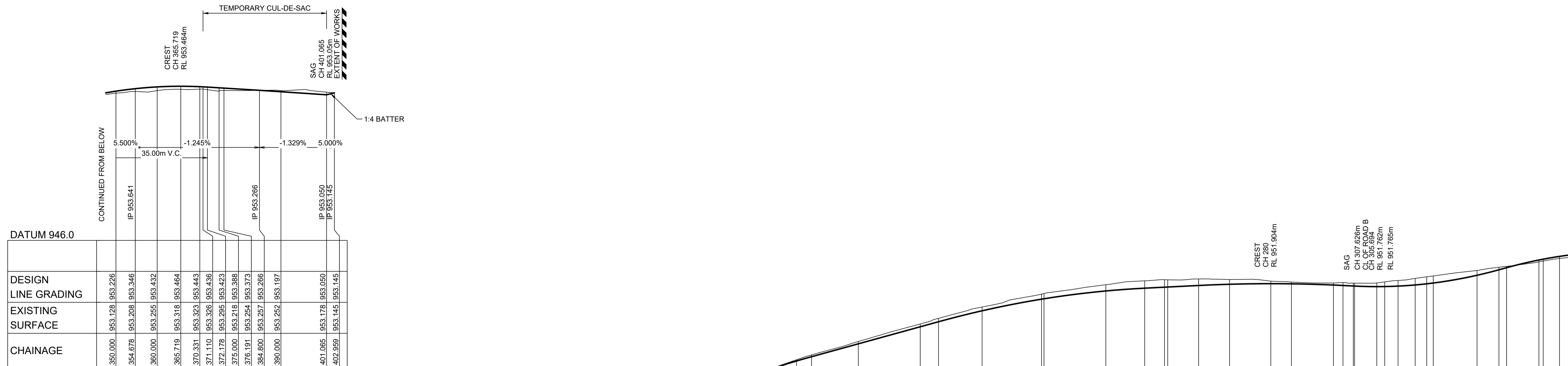
SOUTH BOWENFELS  
STAGE 1 & 2  
ENGINEERING PLAN  
SHEET 2

AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD051

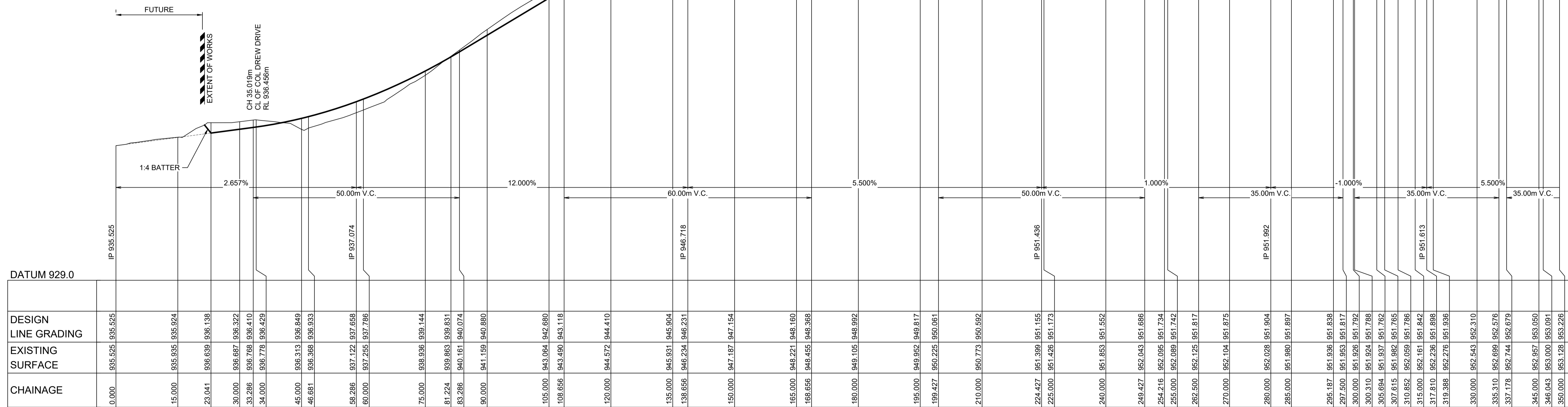
PROJECT No: 110698-03  
SHEET No: CD051

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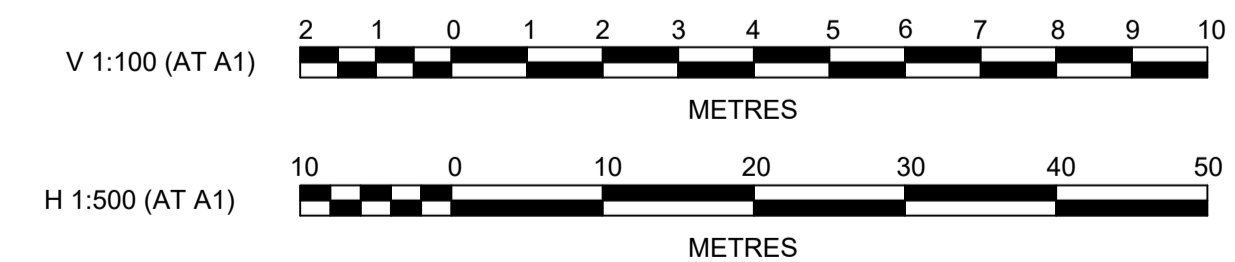
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**LONGITUDINAL SECTION ROAD A**  
 HORIZONTAL SCALE 1:500  
 VERTICAL SCALE 1:100



**LONGITUDINAL SECTION ROAD A**  
 HORIZONTAL SCALE 1:500  
 VERTICAL SCALE 1:100



AMENDMENT	DES	DRN	CKD	APR	DATE	
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A	ISSUE FOR CLIENT REVIEW	CC	JM			

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 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

CLIENT: **Lithgow CITY COUNCIL**

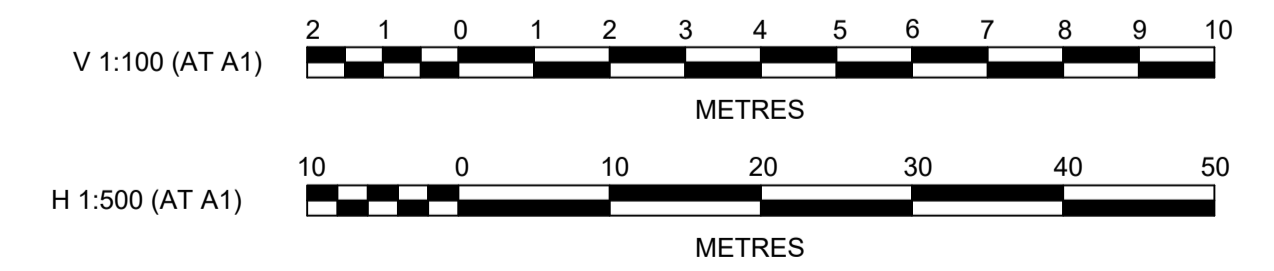
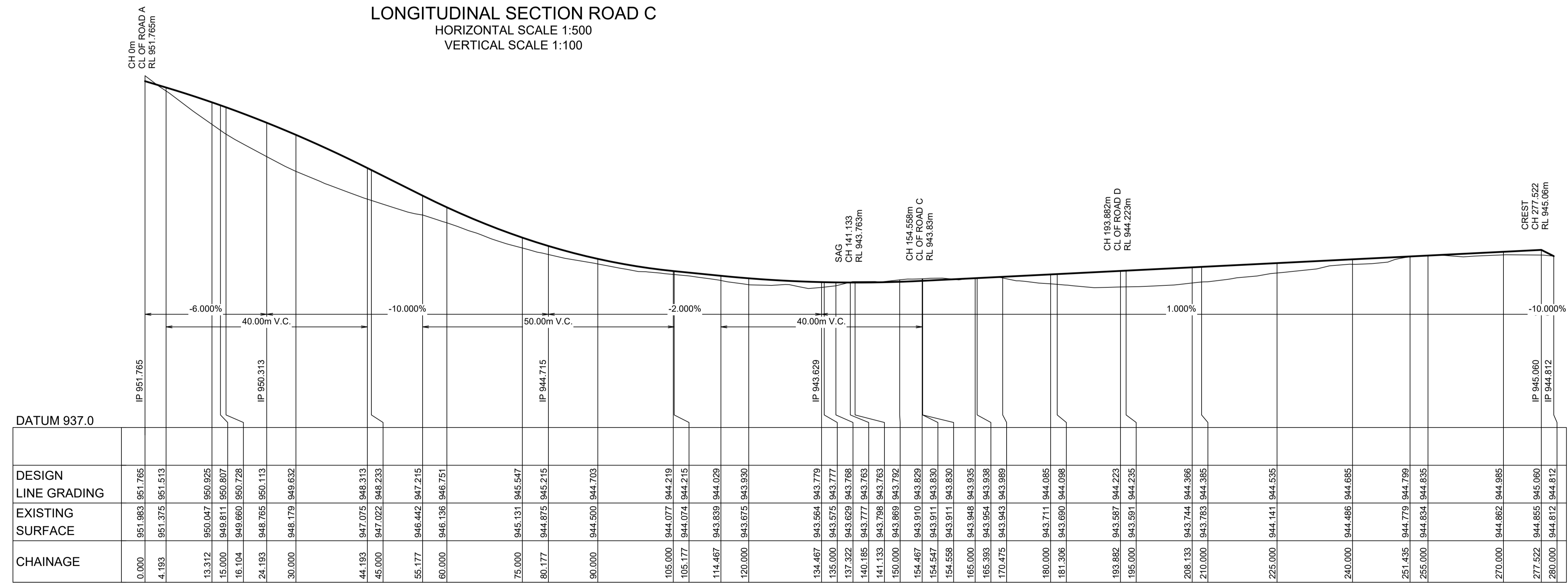
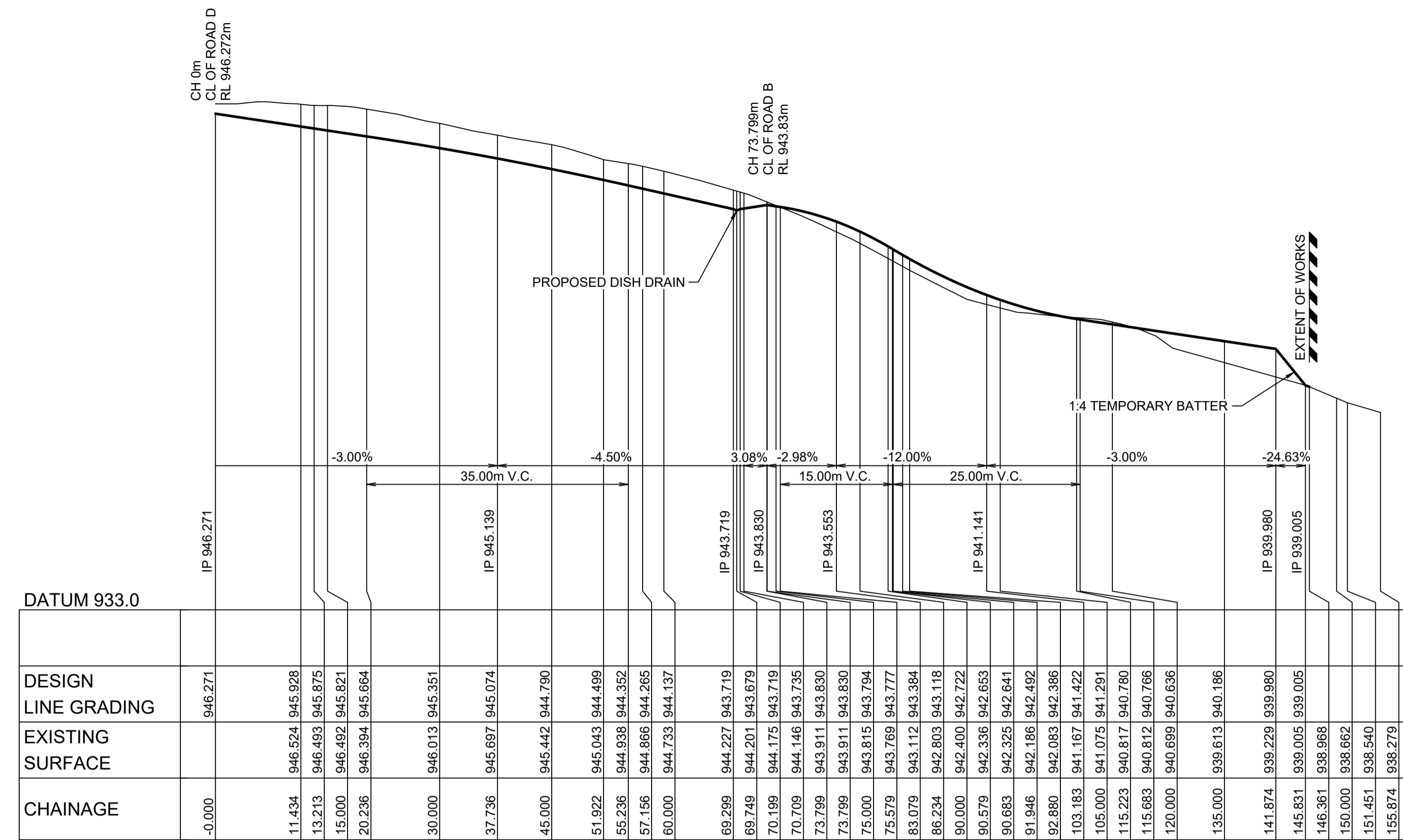
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SOUTH BOWENFELS  
 STAGE 1 & 2  
 ROAD LONGITUDINAL SECTIONS  
 SHEET 1

PROJECT No: **110698-03**  
 SHEET No: **CD100**  
 PLAN No: **110698-03-CD100**

B

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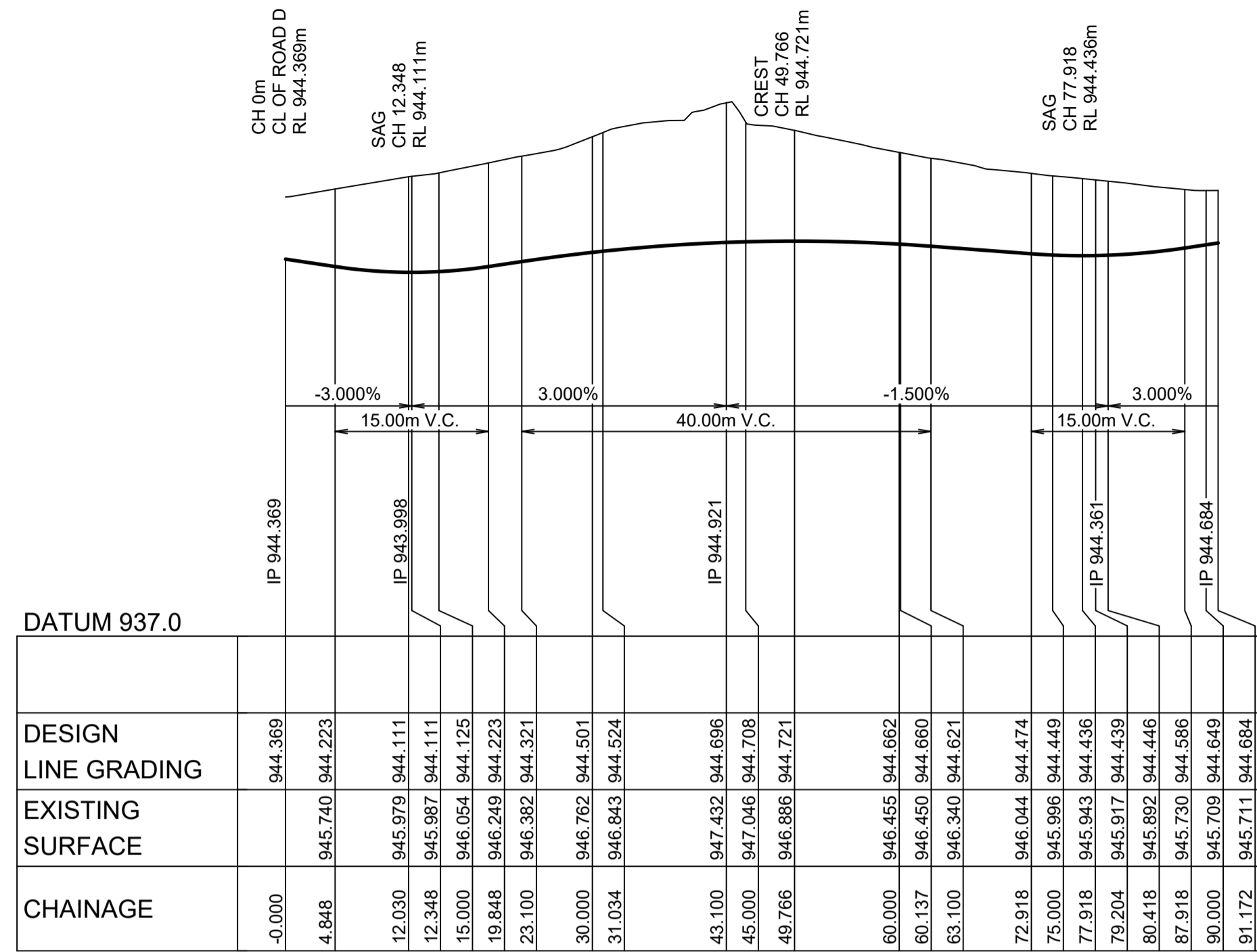
**SOUTH BOWENFELS**  
 STAGE 1 & 2  
 ROAD LONGITUDINAL SECTIONS  
 SHEET 2

AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD101

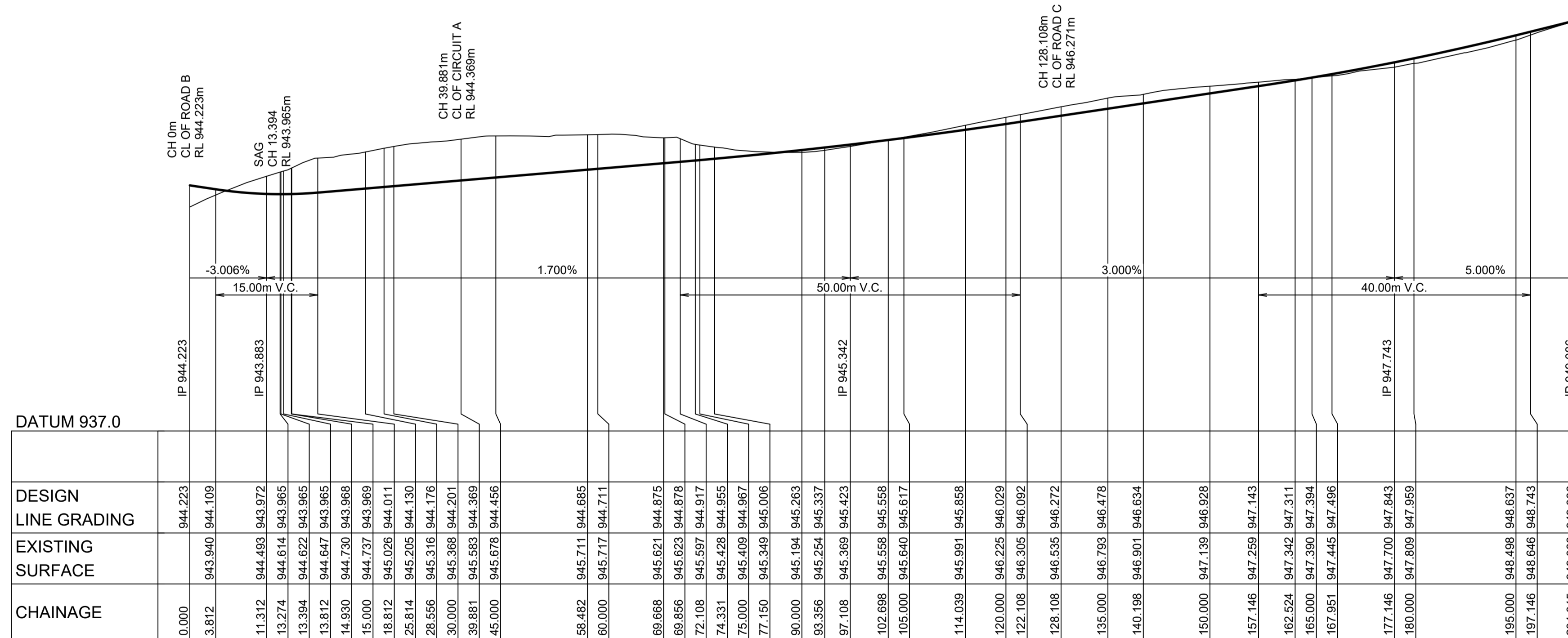
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 SHEET No: **CD101**

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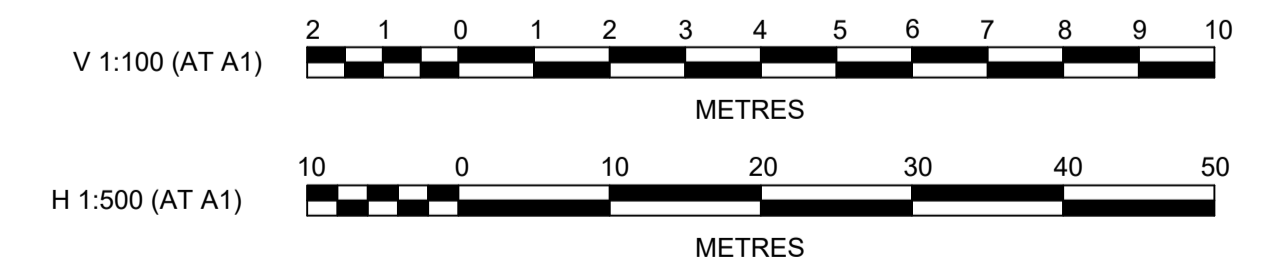
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**LONGITUDINAL SECTION CIRCUIT A**  
 HORIZONTAL SCALE 1:500  
 VERTICAL SCALE 1:100



**LONGITUDINAL SECTION ROAD D**  
 HORIZONTAL SCALE 1:500  
 VERTICAL SCALE 1:100



AMENDMENT	DES	DRN	CKD	APR	DATE	
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A	ISSUE FOR CLIENT REVIEW	CC	JM			

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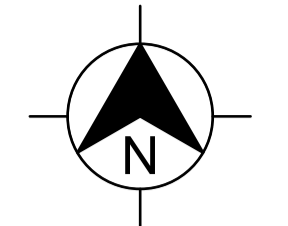
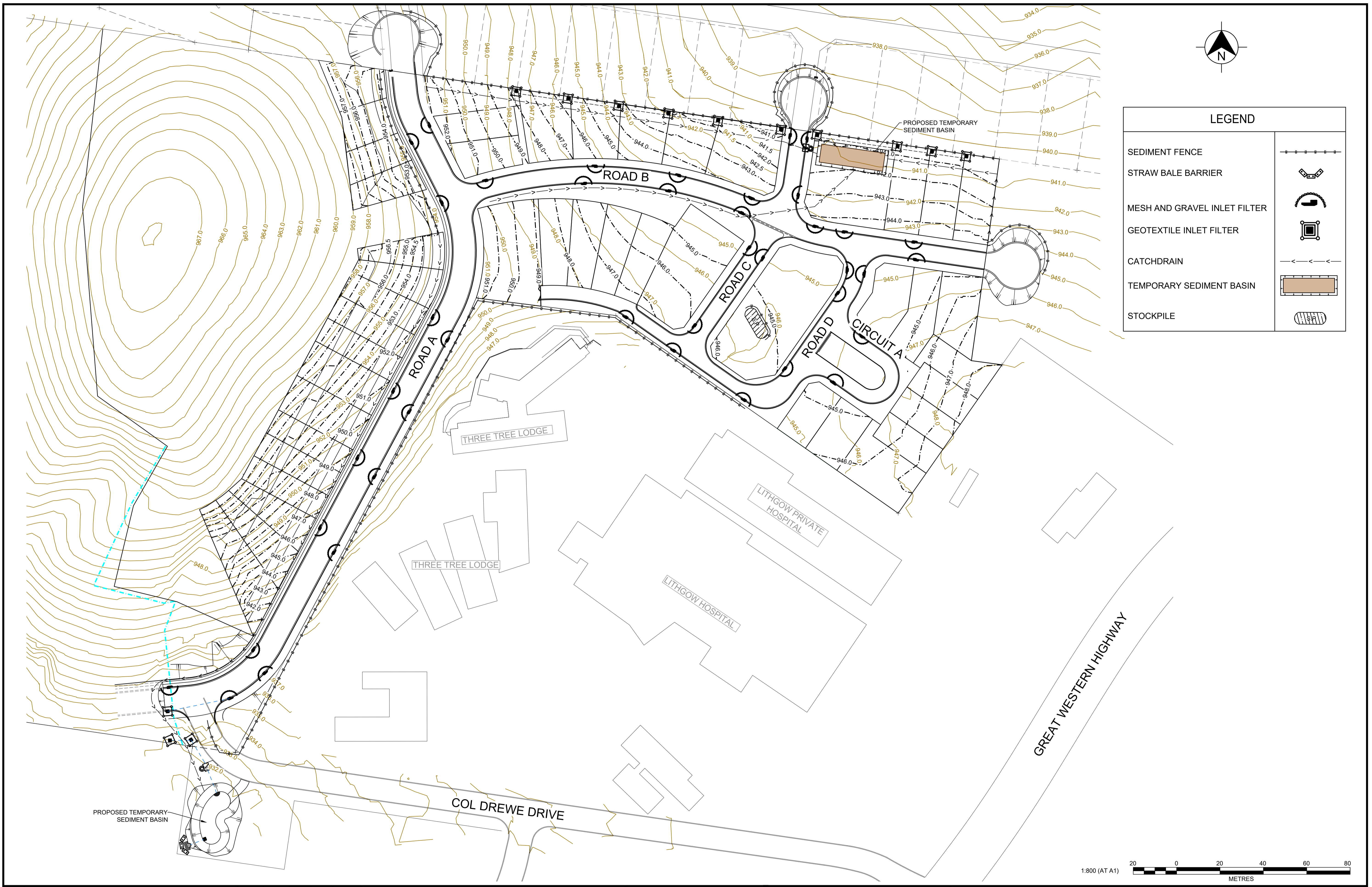


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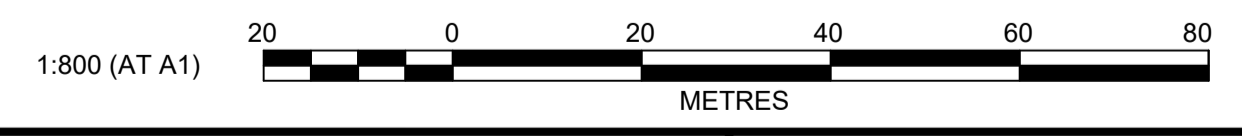
SOUTH BOWENFELS  
 STAGE 1 & 2  
 ROAD LONGITUDINAL SECTIONS

PROJECT No: **110698-03**  
 SHEET No: **CD102**  
 PLAN No: **110698-03-CD102**

B



LEGEND	
SEDIMENT FENCE	
STRAW BALE BARRIER	
MESH AND GRAVEL INLET FILTER	
GEOTEXTILE INLET FILTER	
CATCHDRAIN	
TEMPORARY SEDIMENT BASIN	
STOCKPILE	



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 Version: 1, Version Date: 09/12/2022

AMENDMENT	DES	DRN	CKD	APR	DATE
B	CC	JM	KE	MS	08/12/22
A	CC	JM			

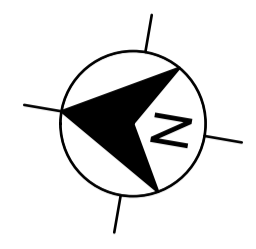
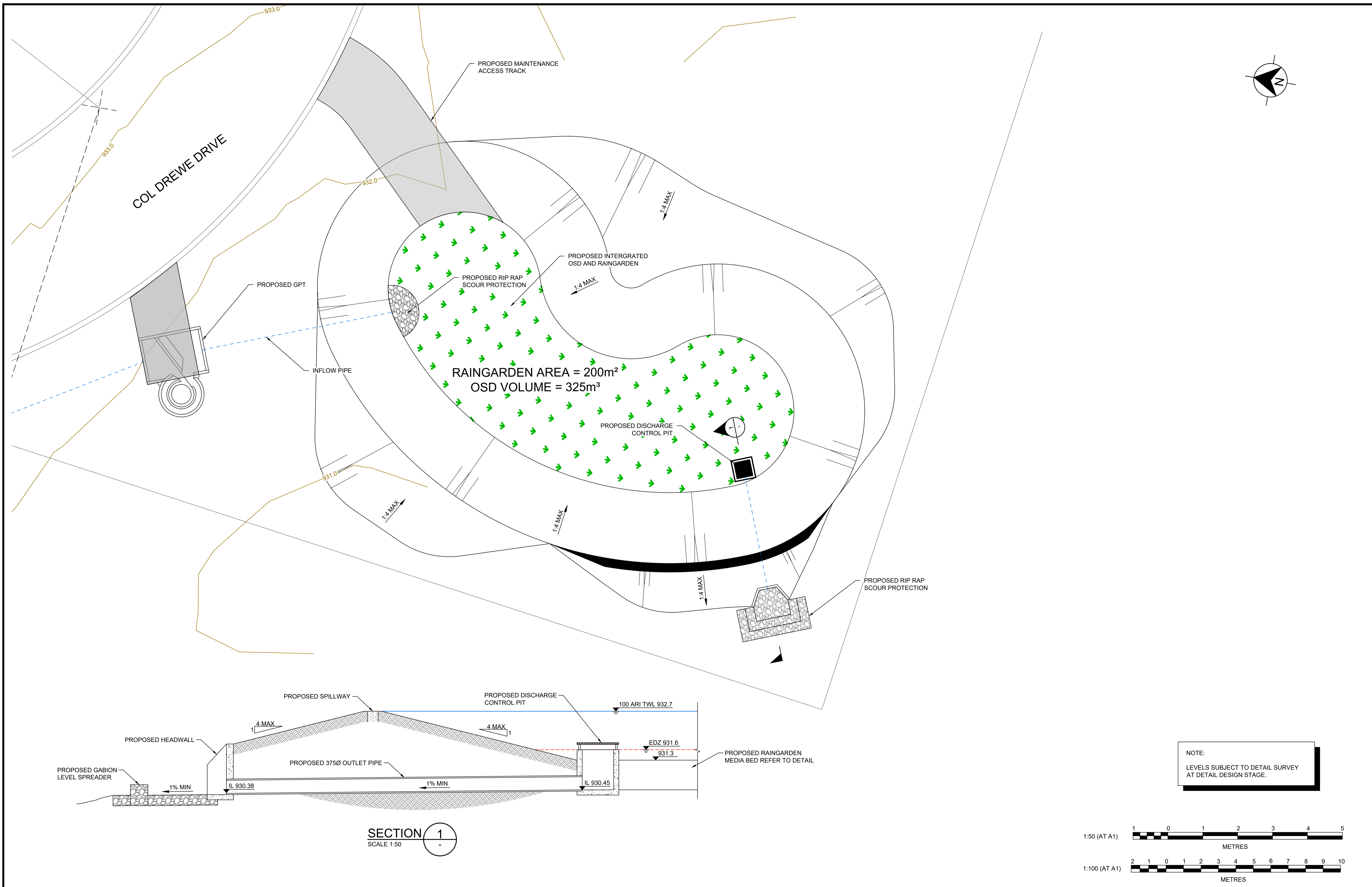
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CLIENT:  
  
 LITHGOW CITY COUNCIL

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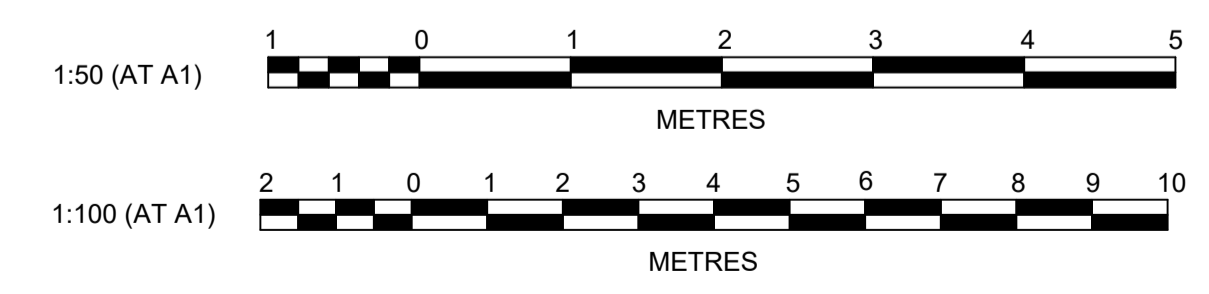
SOUTH BOWENFELS  
 STAGE 1 & 2  
 SOIL & WATER MANAGEMENT PLAN  
 AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD200

PROJECT No:  
**110698-03**  
 SHEET No:  
**CD200**  
 B



NOTE:  
LEVELS SUBJECT TO DETAIL SURVEY  
AT DETAIL DESIGN STAGE.

SECTION 1  
SCALE 1:50



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NO.	REVISION	DATE	BY	CHECKED	APPROVED

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**SOUTH BOWENFELS**  
STAGE 1 & 2  
OSD AND RAINGARDEN PLAN

PROJECT No:  
**110698-03**

SHEET No:  
**CD250**

AMENDMENT

DES DRN CKD APR DATE

CC JM KE MS

PLAN No: 110698-03-CD250

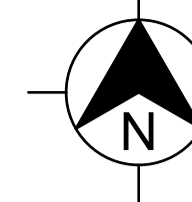
AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN:

A



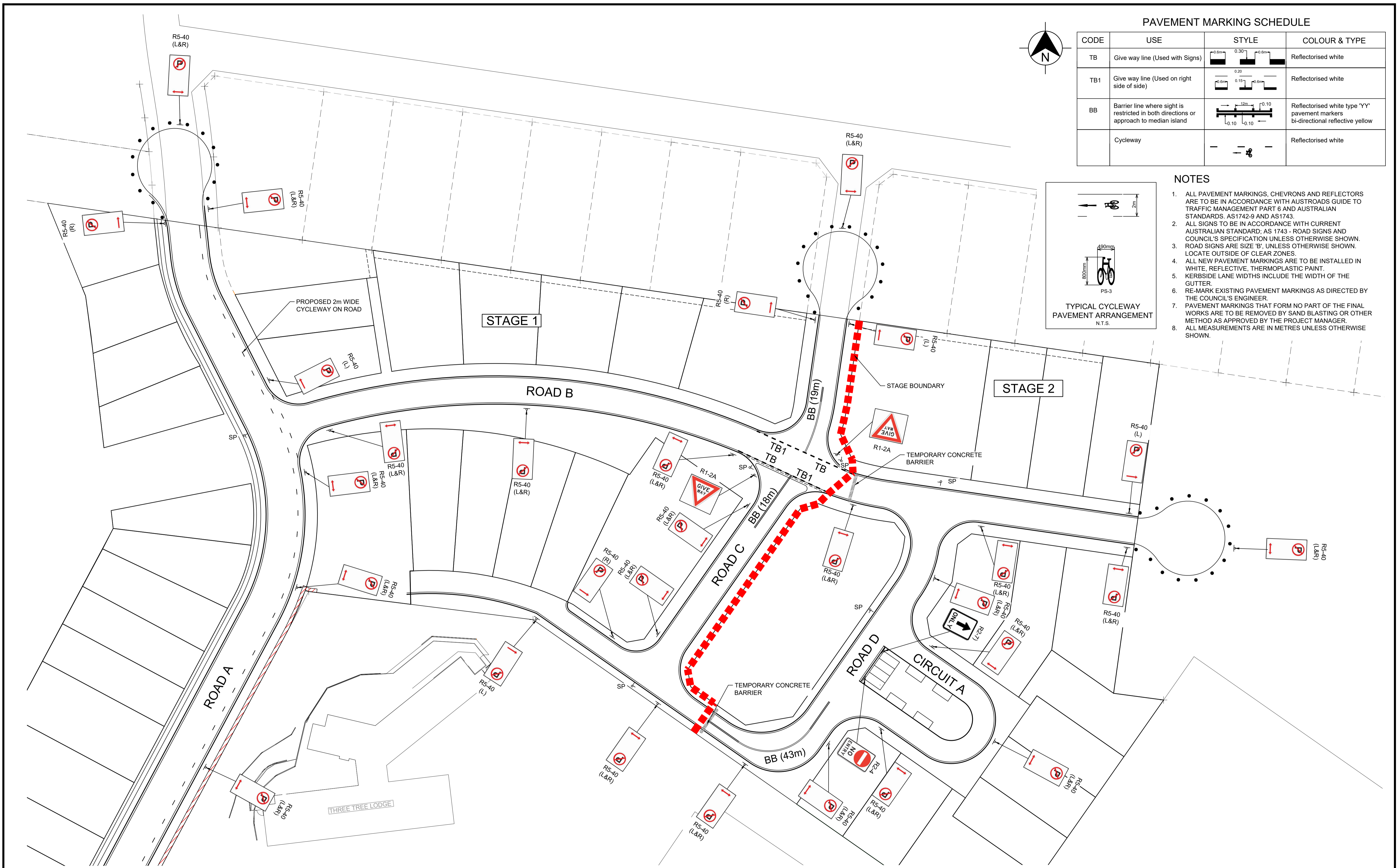
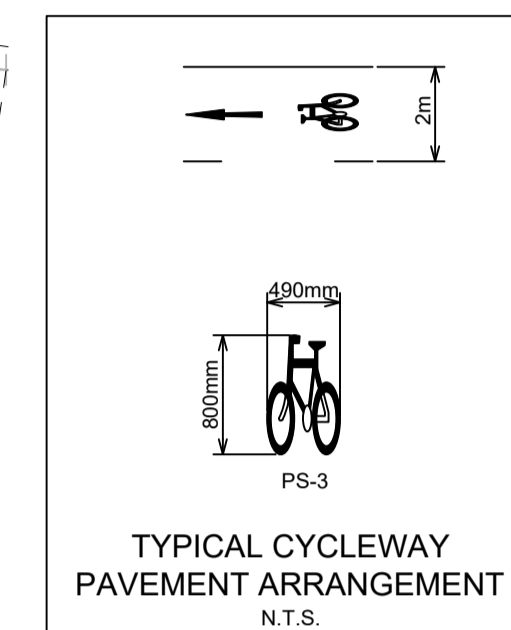
PAVEMENT MARKING SCHEDULE

CODE	USE	STYLE	COLOUR & TYPE
TB	Give way line (Used with Signs)		Reflectorised white
TB1	Give way line (Used on right side of side)		Reflectorised white
BB	Barrier line where sight is restricted in both directions or approach to median island		Reflectorised white type 'YY' pavement markers bi-directional reflective yellow
	Cycleway		Reflectorised white

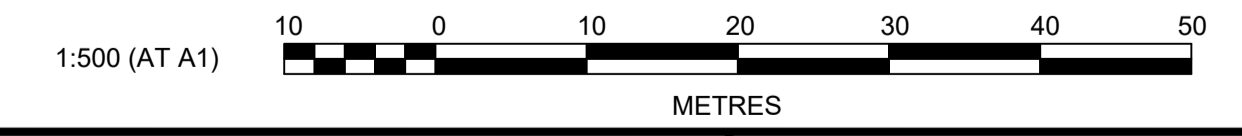


NOTES

1. ALL PAVEMENT MARKINGS, CHEVRONS AND REFLECTORS ARE TO BE IN ACCORDANCE WITH AUSTRADS GUIDE TO TRAFFIC MANAGEMENT PART 6 AND AUSTRALIAN STANDARDS, AS1742-9 AND AS1743.
2. ALL SIGNS TO BE IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARD; AS 1743 - ROAD SIGNS AND COUNCIL'S SPECIFICATION UNLESS OTHERWISE SHOWN.
3. ROAD SIGNS ARE SIZE 'B', UNLESS OTHERWISE SHOWN. LOCATE OUTSIDE OF CLEAR ZONES.
4. ALL NEW PAVEMENT MARKINGS ARE TO BE INSTALLED IN WHITE, REFLECTIVE, THERMOPLASTIC PAINT.
5. KERBSIDE LANE WIDTHS INCLUDE THE WIDTH OF THE GUTTER.
6. RE-MARK EXISTING PAVEMENT MARKINGS AS DIRECTED BY THE COUNCIL'S ENGINEER.
7. PAVEMENT MARKINGS THAT FORM NO PART OF THE FINAL WORKS ARE TO BE REMOVED BY SAND BLASTING OR OTHER METHOD AS APPROVED BY THE PROJECT MANAGER.
8. ALL MEASUREMENTS ARE IN METRES UNLESS OTHERWISE SHOWN.



REFER DRAWING CD301 FOR CONTINUATION



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 Version: 1, Version Date: 09/12/2022

NO.	DESCRIPTION	CC	JM	KE	MS
DES	DRN	CKD	APR	DATE	
A	ISSUE FOR DA APPROVAL				
	AMENDMENT				

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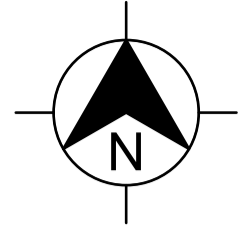
CLIENT:  
  
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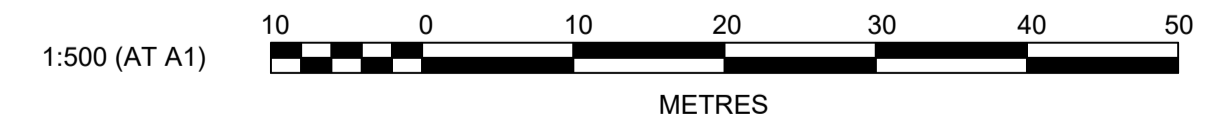
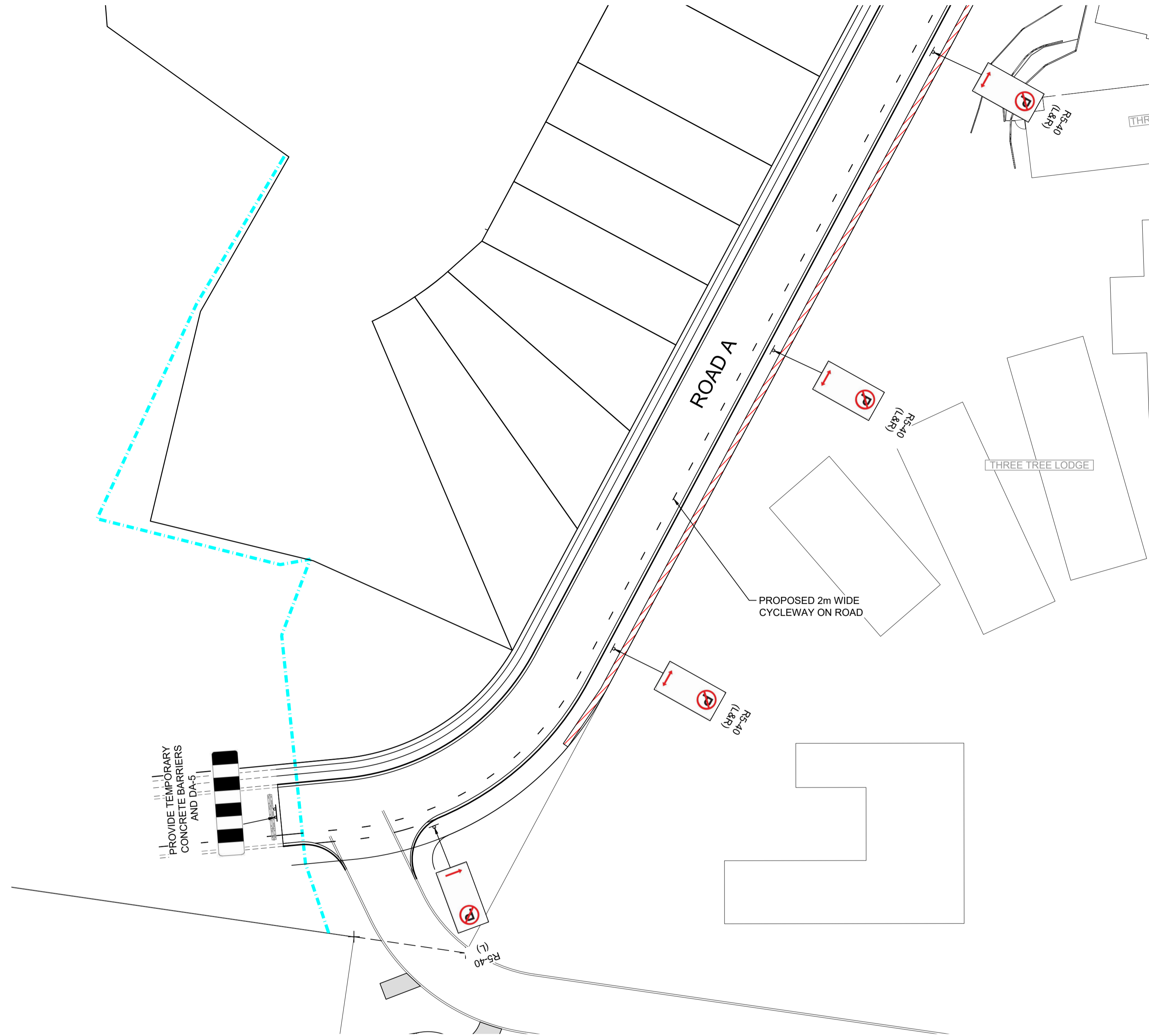
**SOUTH BOWENFELS**  
**STAGE 1 & 2**  
 SIGNAGE & LINEMARKING PLAN  
 SHEET 1

PROJECT No:  
**110698-03**  
 SHEET No:  
**CD300**  
 PLAN No: 110698-03-CD300

AZIMUTH: M.G.A.2020	DATUM: A.H.D.	ORIGIN:	PLAN No: 110698-03-CD300	A
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REFER DRAWING CD300 FOR CONTINUATION



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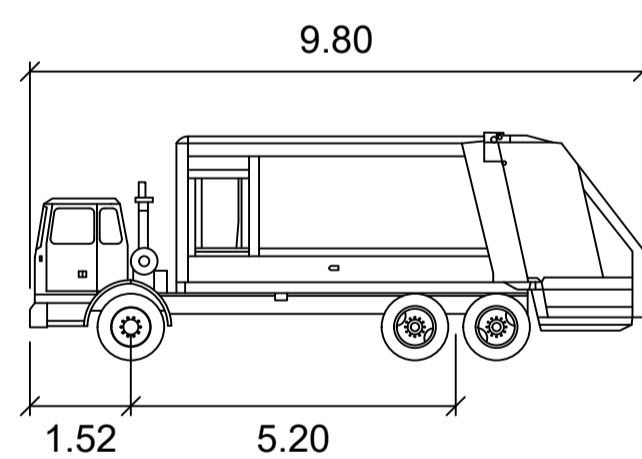
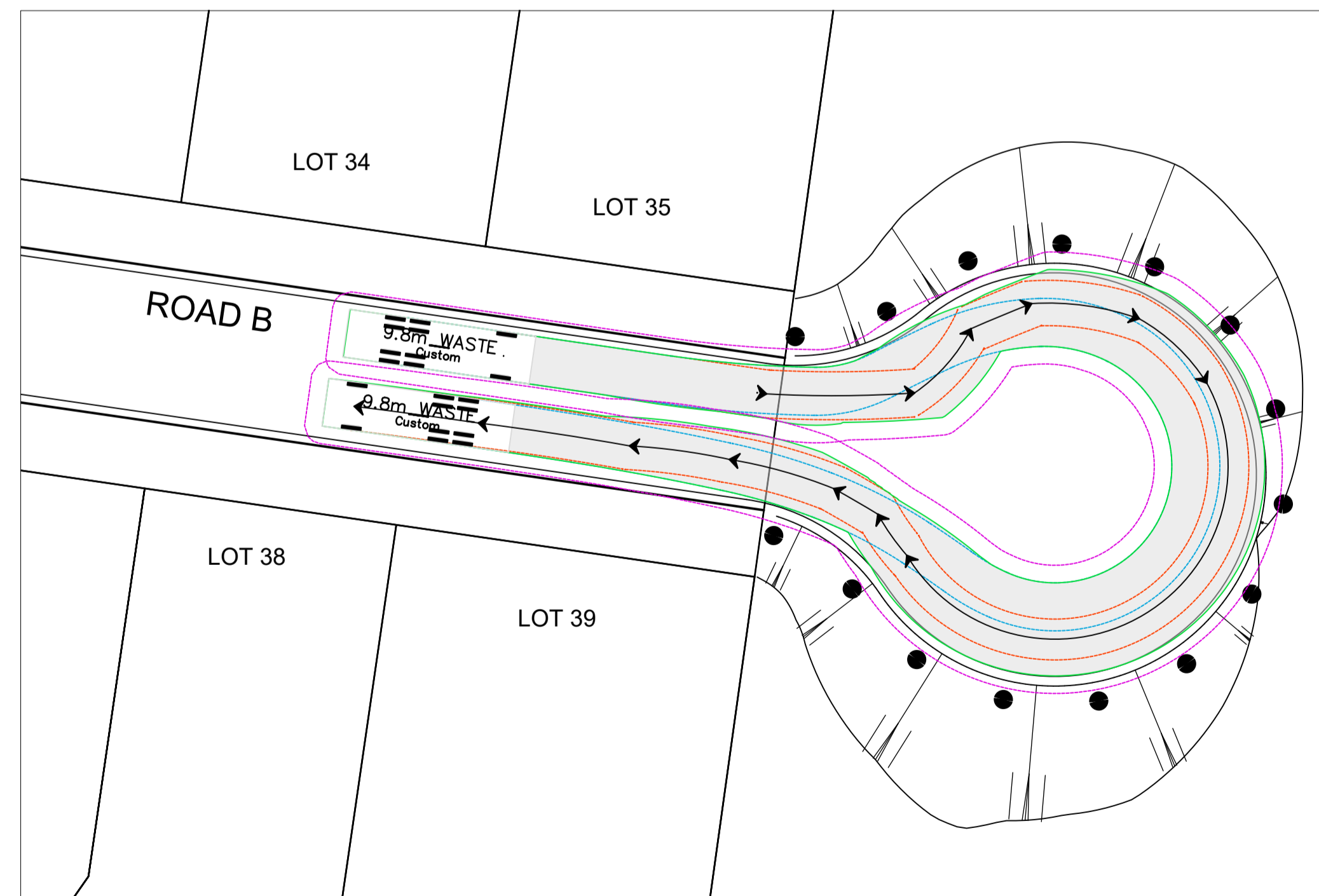
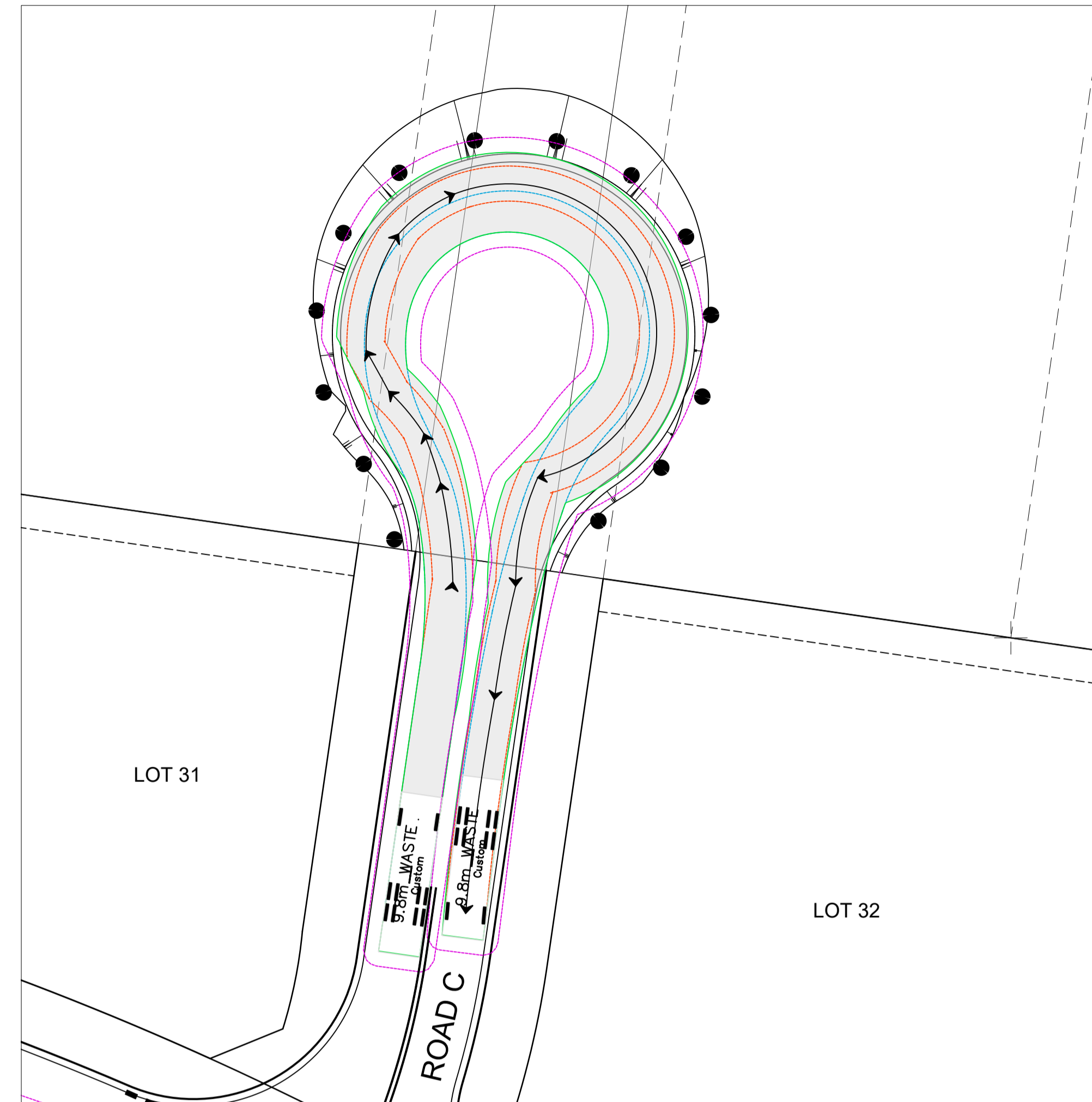
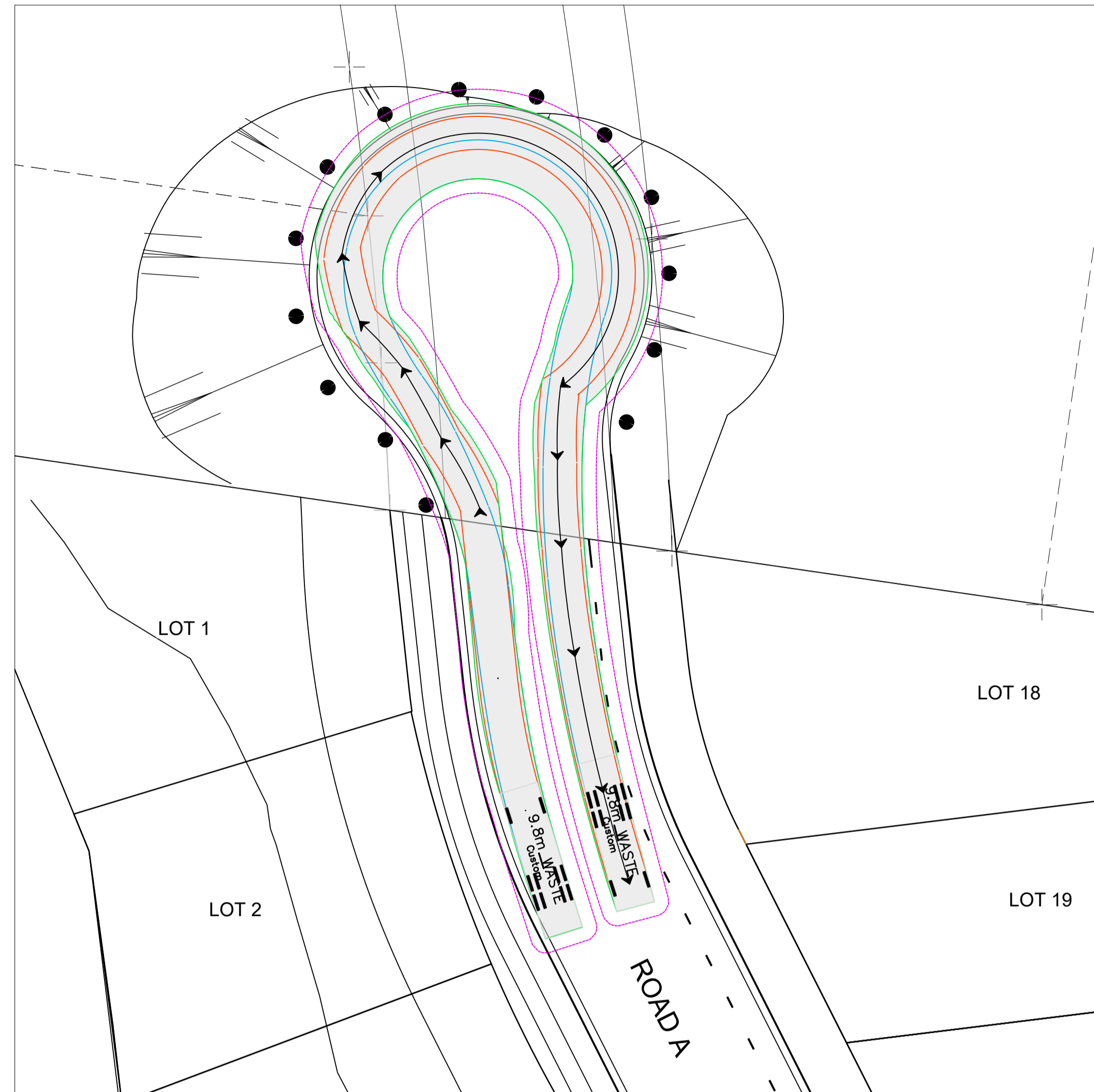
SOUTH BOWENFELS  
STAGE 1 & 2  
SIGNAGE & LINEMARKING PLAN  
SHEET 2

AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD301

PROJECT No:  
**110698-03**

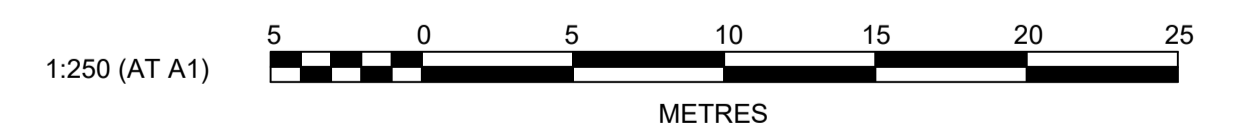
SHEET No:  
**CD301**

B



9.8m WASTE

	units
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 35.3



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 Version: 1, Version Date: 09/12/2022

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A	ISSUE FOR CLIENT REVIEW	CC	JM			
	AMENDMENT	DES	DRN	CKD	APR	DATE

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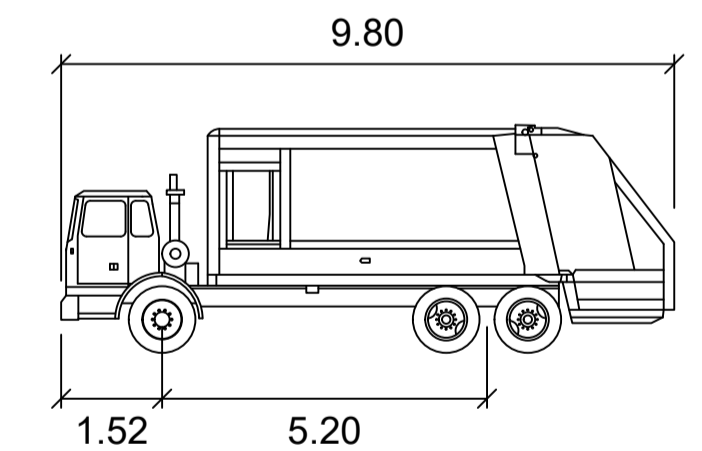
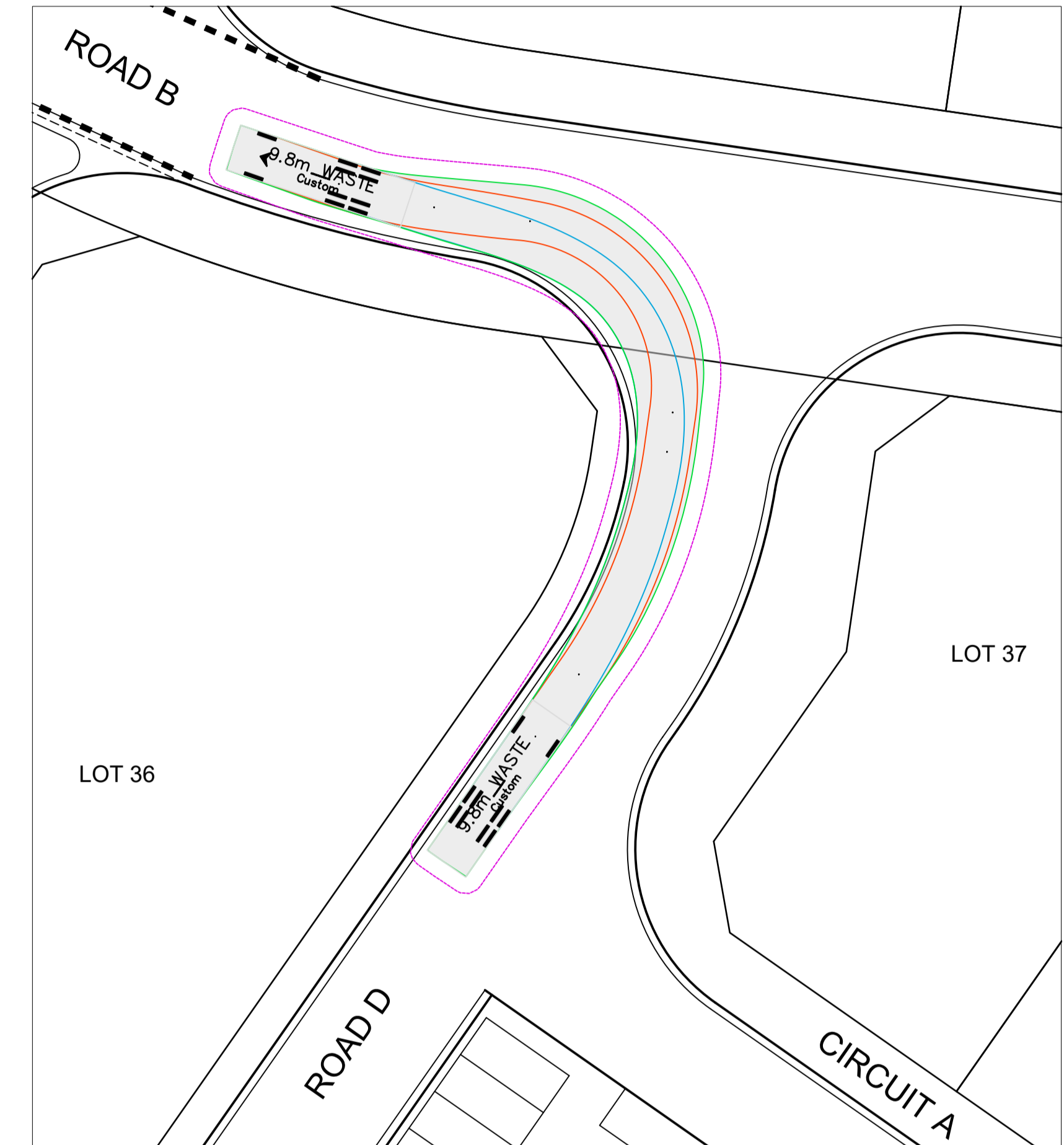
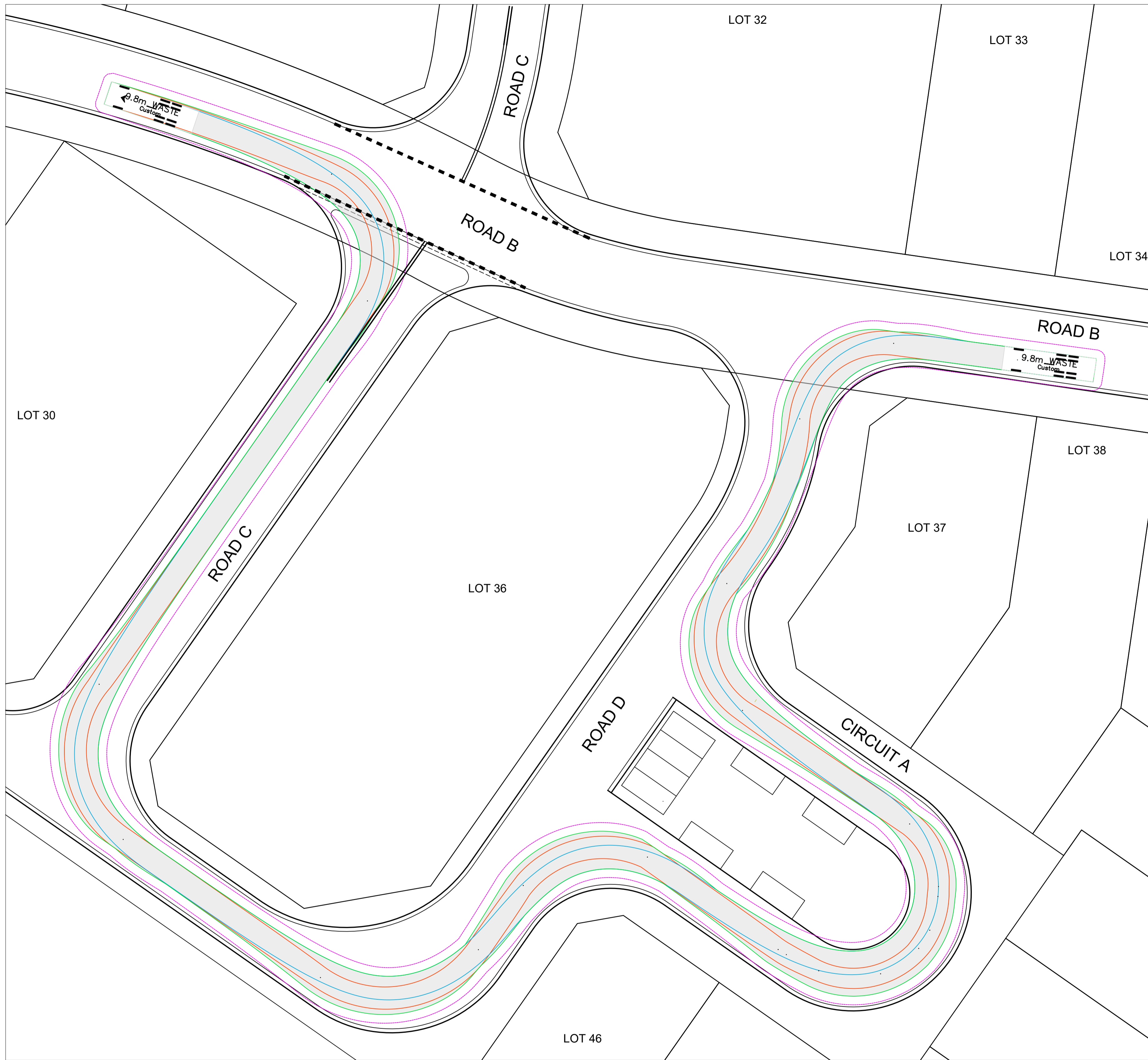
**SOUTH BOWENFELS**  
 STAGE 1 & 2  
 TURNING PATHS  
 SHEET 1

AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD400

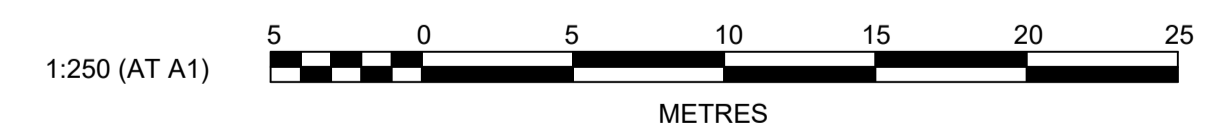
PROJECT No: **110698-03**  
 SHEET No: **CD400**

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 Version: 1, Version Date: 09/12/2022



**9.8m WASTE**  
 meters  
 Width : 9.80  
 Track : 5.20  
 Lock to Lock Time : 6.0  
 Steering Angle : 35.3



REV	DESCRIPTION	DES	DRN	CKD	APR	DATE
B	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
A	ISSUE FOR CLIENT REVIEW	CC	JM			
	AMENDMENT	DES	DRN	CKD	APR	DATE

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 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au



CLIENT: **Lithgow City Council**  
 STATUS: **ISSUE FOR DA APPROVAL**  
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SOUTH BOWENFELS  
 STAGE 1 & 3  
 TURNING PATHS  
 SHEET 2  
 AZIMUTH: M.G.A.2020 DATUM: A.H.D. ORIGIN: PLAN No: 110698-03-CD401

PROJECT No: **110698-03**  
 SHEET No: **CD401**  
 B