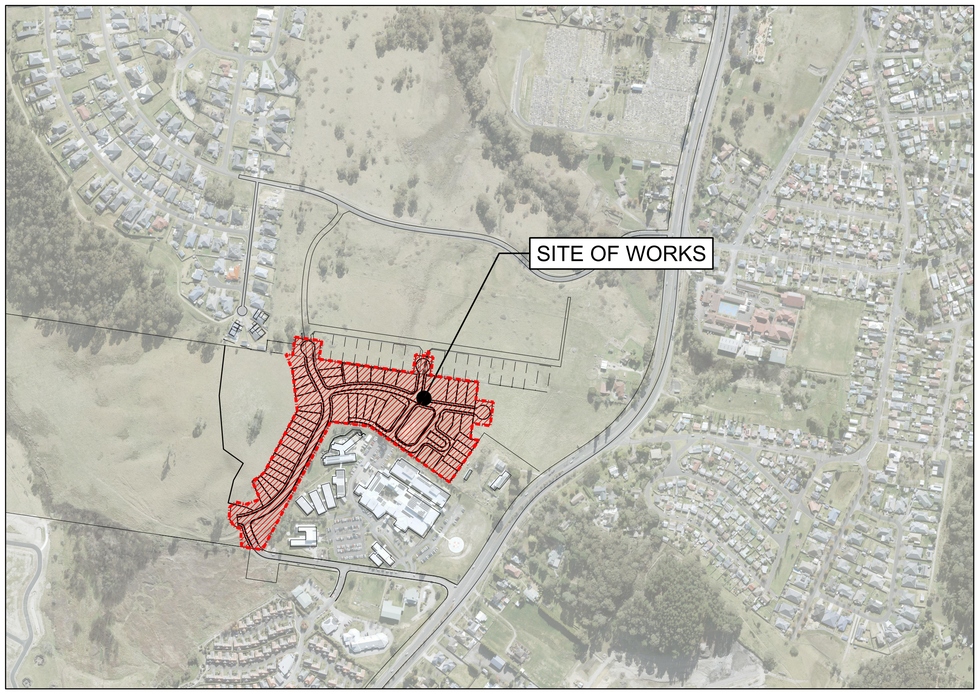
SOUTH BOWENFELS
DEVELOPMENT APPLICATION
PROPOSED LOT, ROAD AND DRAINAGE WORKS

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



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CIVIL PLAN INDEX		
PLAN NO.	PLAN NAME	REV
110698-03-CC001	COVER SHEET, NOTES, LEGEND & INDEX	J
110698-03-CC002	LAYOUT PLAN	H
110698-03-CC003	LOT ARRANGEMENT PLAN	H
110698-03-CC004	TYPICAL SECTIONS	D
110698-03-CC005	PROPOSED SERVICES PLAN	F
110698-03-CC006	STAGING PLAN	G
110698-03-CC007	LOT ARRANGEMENT PLAN WITH EXISTING CADASTRAL BOUNDARIES	C
110698-03-CC008	LOT ARRANGEMENT PLAN WITH ZONE BOUNDARIES	C
110698-03-CC010	CUT & FILL PLAN	I
110698-03-CC011	SITE SECTIONS SHEET 1	C
110698-03-CC012	SITE SECTIONS SHEET 2	D
110698-03-CC050	ENGINEERING PLAN SHEET 1	G
110698-03-CC051	ENGINEERING PLAN SHEET 2	E
110698-03-CC100	ROAD LONGITUDINAL SECTIONS SHEET 1	F
110698-03-CC101	ROAD LONGITUDINAL SECTIONS SHEET 2	C
110698-03-CC102	ROAD LONGITUDINAL SECTIONS	C
110698-03-CC200	SOIL & WATER MANAGEMENT PLAN	H
110698-03-CD250	OSD AND RAINGARDEN PLAN	D
110698-03-CD251	NORTH RAINGARDEN PLAN	B
110698-03-CD300	SIGNAGE & LINEMARKING PLAN SHEET 1	C
110698-03-CD301	SIGNAGE & LINEMARKING PLAN SHEET 2	D
110698-03-CD400	TURNING PATHS SHEET 1	C
110698-03-CD401	TURNING PATHS SHEET 2	C

Survey By:
CEH SURVEY
CUNSULTING 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
CUNSULTING 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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DIMENSIONS & AREAS SHOWN ARE APPROXIMATE ONLY & ARE SUBJECT TO SURVEY.

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

THIS PLAN IS FOR DEVELOPMENT APPLICATION PURPOSES ONLY.

EASEMENTS FOR SERVICES TO BE CREATED WHERE NECESSARY.

BEFORE YOU DIG
www.byda.com.au

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

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

	AMENDMENT	DES	DRN	CKD	APR	DATE
J	INDEX UPDATED	CC	CC	PK	KE	16/02/24
I	INDEX UPDATED	CC	JM	KE	KE	17/01/24
H	INDEX UPDATED	CC	JM	KE	KE	16/08/23
G	INDEX UPDATED	CC	JM	MS	MS	02/06/23
F	LIMIT OF WORKS & INDEX UPDATED	CC	JM	MS	MS	19/05/23
E	INDEX UPDATED	CC	JM	KE	MS	03/03/23
D	INDAEX UPDATED	CC	JM	KE	KE	20/01/23
C	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
B	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
A	ISSUE FOR CLIENT REVIEW	CC	JM			

J. WYNDHAM PRINCE
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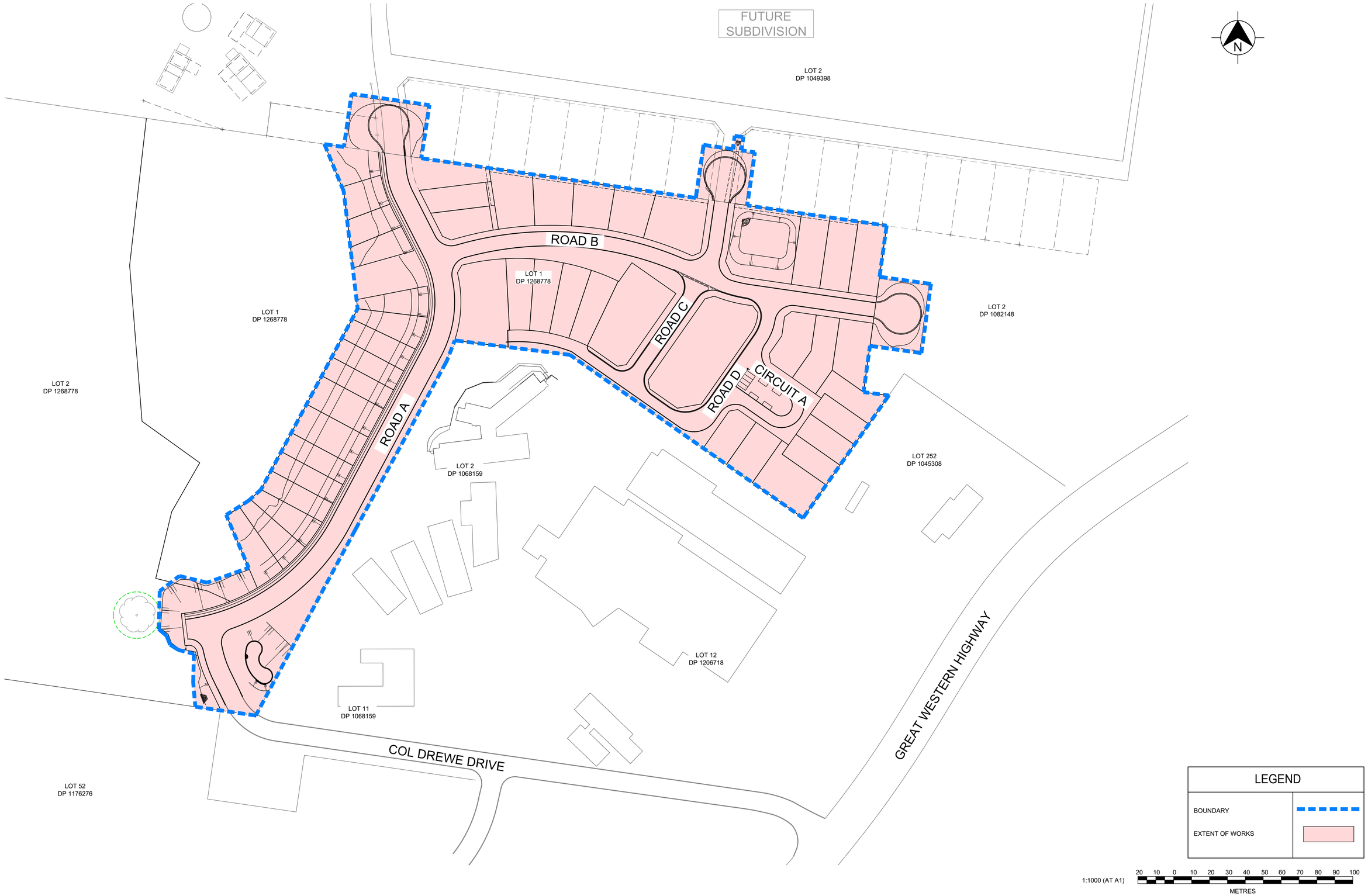
SOUTH BOWENFELS
STAGE 1 & 2
COVER SHEET, NOTES, LEGEND & INDEX

PROJECT No: 110698-03
SHEET No: CD001

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD001 | J

Plotted: 16 February, 2024 3:59:32 PM File Name: C:\SynergyWS\data\ASJWP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD001.dwg



H	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
G	EXTENT OF WORKS UPDATED	CC	JM	KE	KE	17/01/24
F	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
E	EXTENT PF WORKS & LOT LAYOUT AMENDED	CC	JM	MS	MS	19/05/23
D	RAINGARDEN ADDED & LIMIT OF WORKS AMENDED	CC	JM	KE	MS	03/03/23
C	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
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
LAYOUT PLAN

PROJECT No: 110698-03

SHEET No: CD002

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

Plotted: 16 February , 2024 4:01:13 PM File Name: C:\SynergyWS\data\AS.JWP\04110698 - 03 - Development Application_13584\Design\CD\110698-03-CD002.dwg

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G	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
F	LOT LAYOUT AMENDED	CC	JM	MS	MS	19/05/23
E	EASEMENT ADDED	CC	JM	KE	MS	03/03/23
D	NOTE ADDED	CC	JM	KE	KE	20/01/23
C	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
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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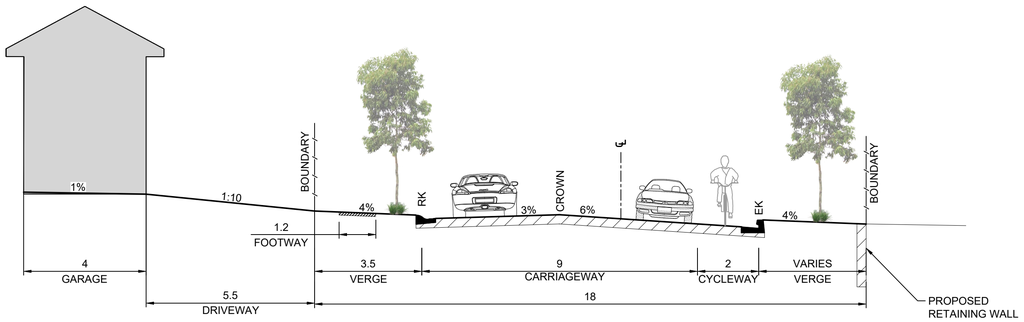
SOUTH BOWENFELS
STAGE 1 & 2
LOT ARRANGEMENT PLAN

PROJECT No: 110698-03

SHEET No: CD003

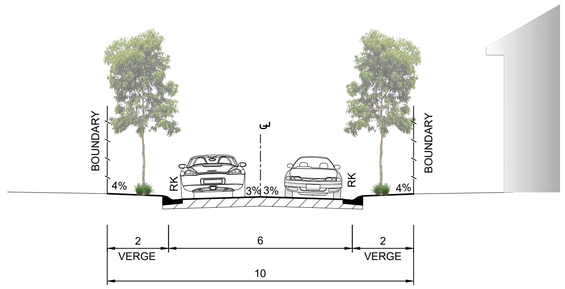
AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD003 | H

Plotted: 16 February , 2024 4:01:13 PM File Name: C:\SynergyWS\data\ASJWP04\110698 _03 - Development Application_135841\Design\CD\110698-03-CD003.dwg



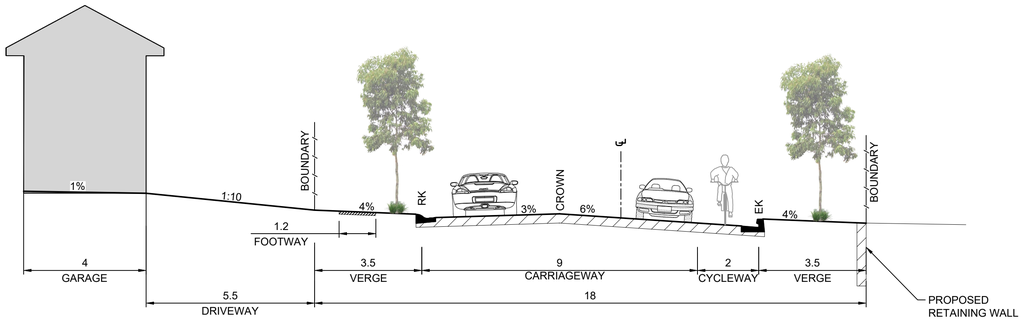
ROAD A TYPICAL SECTION - CH 18.400 - CH 126.884

SCALE: 1:100



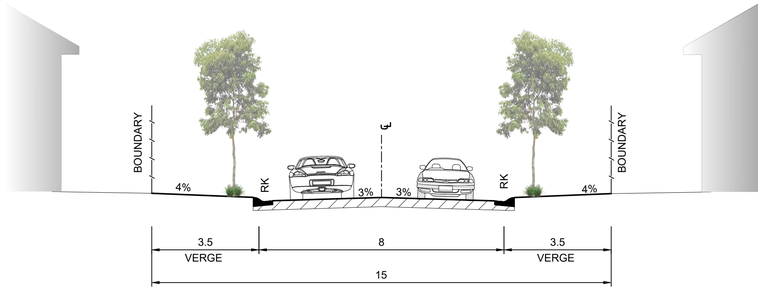
ROAD D CH 102.698 TO CH 204.615

SCALE: 1:100



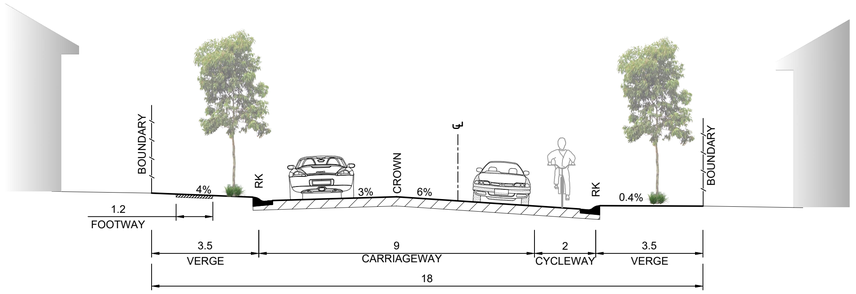
ROAD A TYPICAL SECTION - CH 126.884 - CH 246.616

SCALE: 1:100



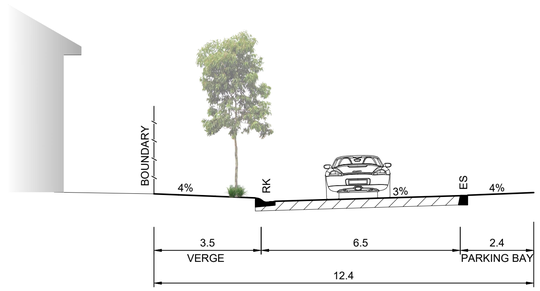
ROAD B, C & D CH 0.000 TO CH 69.668

SCALE: 1:100



ROAD A CH 246.616.000 TO CH 371.110

SCALE: 1:100



CIRCUIT A

SCALE: 1:100

1:100 (AT A1) 2 1 0 1 2 3 4 5 6 7 8 9 10

METRES

D	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
C	TYPICAL SECTION UPDATED	CC	JM	MS	MS	19/05/23
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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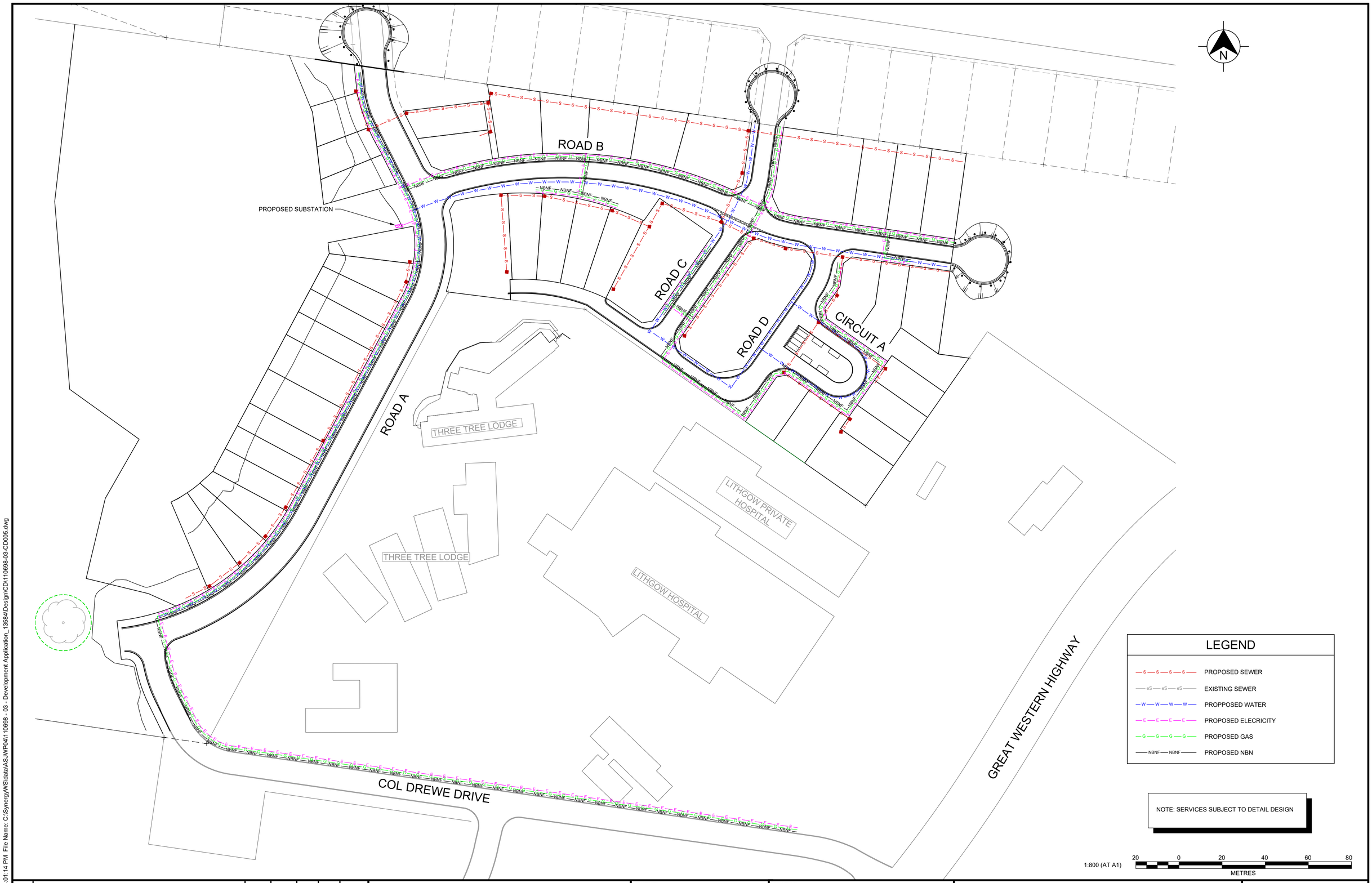
SOUTH BOWENFELS
STAGE 1 & 2
TYPICAL SECTIONS

PROJECT No: 110698-03

SHEET No: CD004

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

Plotted: 16 August, 2023 8:44:57 AM File Name: C:\SynergyWS\data\ASJWP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD004.dwg



F	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
E	TREE PROTECTION ZONE ADDED	CC	JM	KE	KE	17/01/24
D	LOT LAYOUT & SERVICES AMENDED	CC	JM	MS	MS	19/05/23
C	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
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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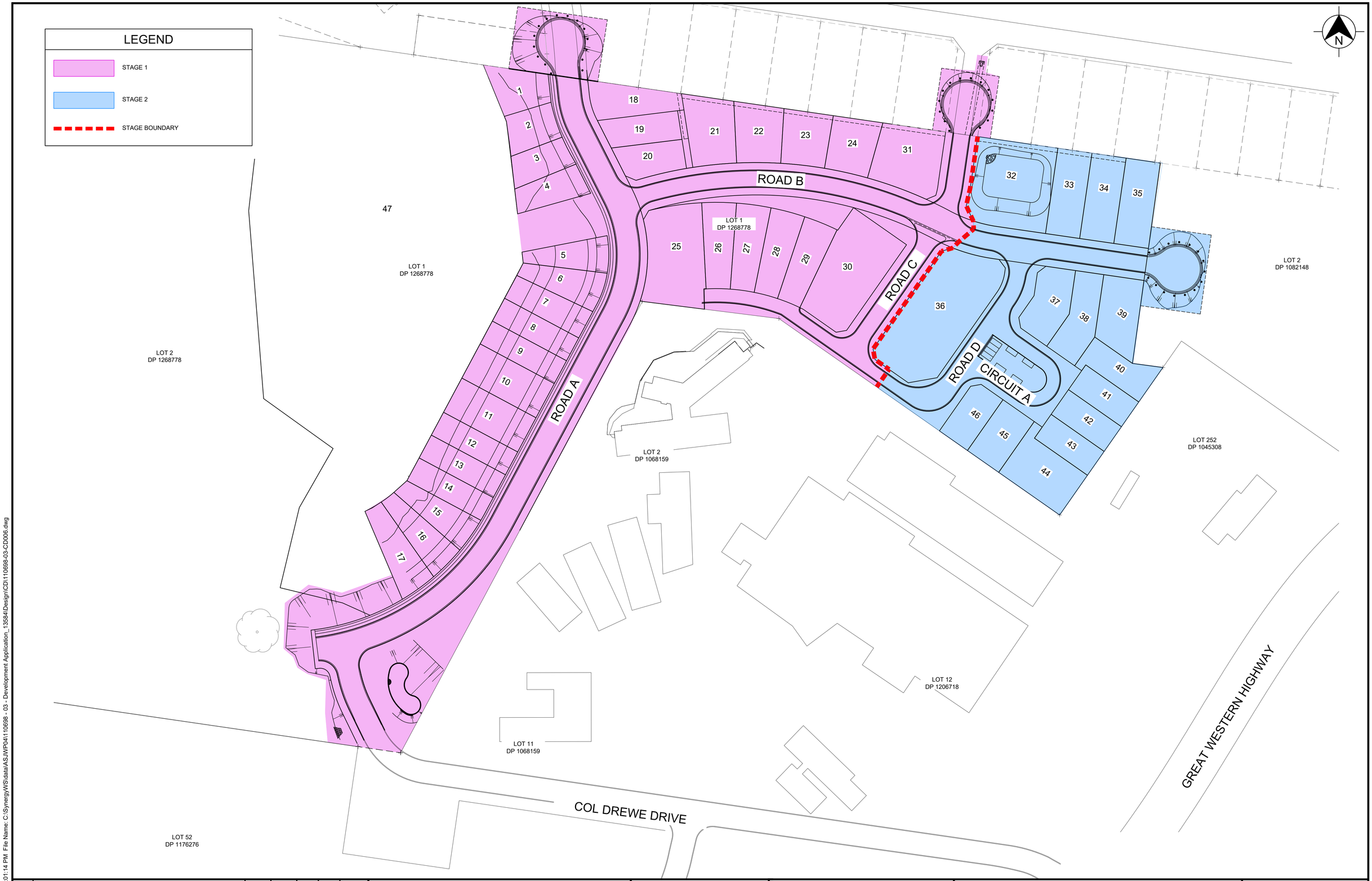
SOUTH BOWENFELS
STAGE 1 & 2
PROPOSED SERVICES PLAN

PROJECT No: 110698-03

SHEET No: CD005

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD005 | F

Plotted: 16 February , 2024 4:01:14 PM File Name: C:\SynergyWS\data\AS.JWP04110698 - 03 - Development Application_13584\Design\CD110698-03-CD005.dwg



G	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
F	STAGE 1 HATCH UPDATED	CC	JM	KE	KE	17/01/24
E	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
D	STAGING AREAS & LOT LAYOUT AMENDED	CC	JM	MS	MS	19/05/23
C	RAINGARDEN & EASEMENT ADDED & STAGE BOUNDARY AMENDED	CC	JM	KE	MS	03/03/23
B	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
A	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

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SOUTH BOWENFELS
STAGE 1 & 2
STAGING PLAN

PROJECT No: 110698-03

SHEET No: CD006

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

Plotted: 16 February , 2024 4:01:14 PM File Name: C:\SynergyWS\data\ASJWP04\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD006.dwg

C	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
B	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
A	ISSUE FOR DA APPROVAL	CC	JM	MS	MS	19/05/23
	AMENDMENT	DES	DRN	CKD	APR	DATE

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SOUTH BOWENFELS
STAGE 1 & 2
LOT ARRANGEMENT PLAN
WITH EXISTING CADASTRAL BOUNDARIES

PROJECT No: 110698-03

SHEET No: CD007

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

PLAN No: 110698-03-CD007 | C

Plotted: 16 February, 2024 4:01:14 PM File Name: C:\SynergyWS\data\AS\JWP04\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD007.dwg

C	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
B	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
A	ISSUE FOR DA APPROVAL	CC	JM	MS	MS	19/05/23
	AMENDMENT	DES	DRN	CKD	APR	DATE

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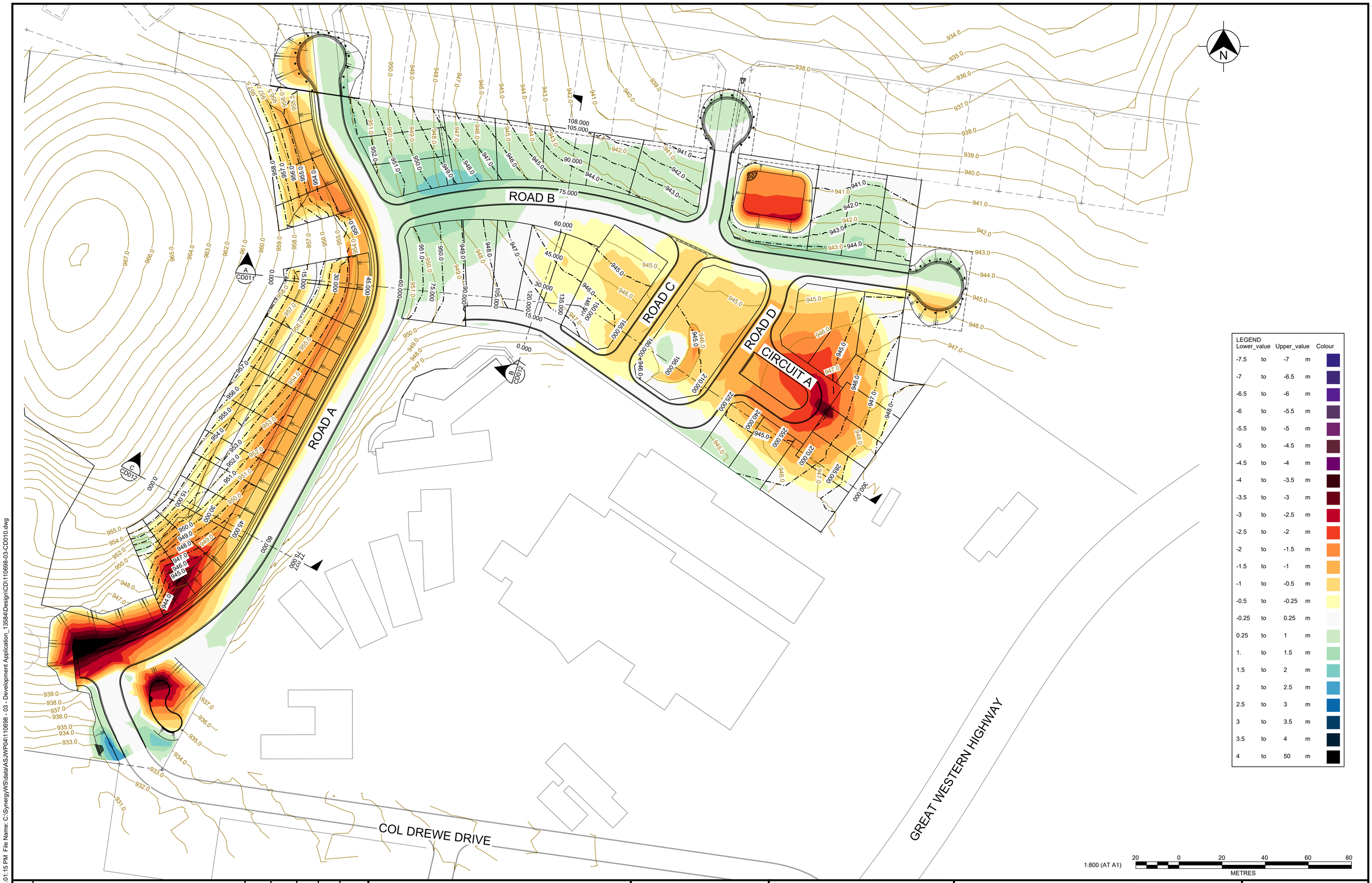
SOUTH BOWENFELS
STAGE 1 & 2
LOT ARRANGEMENT PLAN
WITH ZONE BOUNDARIES

PROJECT No: 110698-03

SHEET No: CD008

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD008 | C

Plotted: 16 February, 2024 4:01:14 PM File Name: C:\SynergyWS\data\ASJWP04\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD008.dwg



I	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
H	CUT & FILL UPDATED	CC	JM	KE	KE	17/01/24
G	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
F	CUT FILL UPDATED	CC	JM	MS	MS	02/06/23
E	ROAD A , BASIN & CUT FILL UPDATED	CC	JM	MS	MS	19/05/23
D	RAINGARDEN & EASEMENT ADDED & CUT & FILL HATCH AMENDED	CC	JM	KE	MS	03/03/23
C	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
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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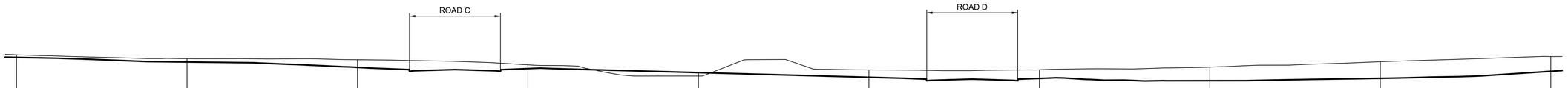
SOUTH BOWENFELS
STAGE 1 & 2
CUT & FILL PLAN

PROJECT No: 110698-03
SHEET No: CD010

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD010 | I

Plotted: 16 February , 2024 4:01:15 PM File Name: C:\SynergyWS\data\ASJWP04110698 - 03 - Development Application_13584\Design\CD\110698-03-CD010.dwg



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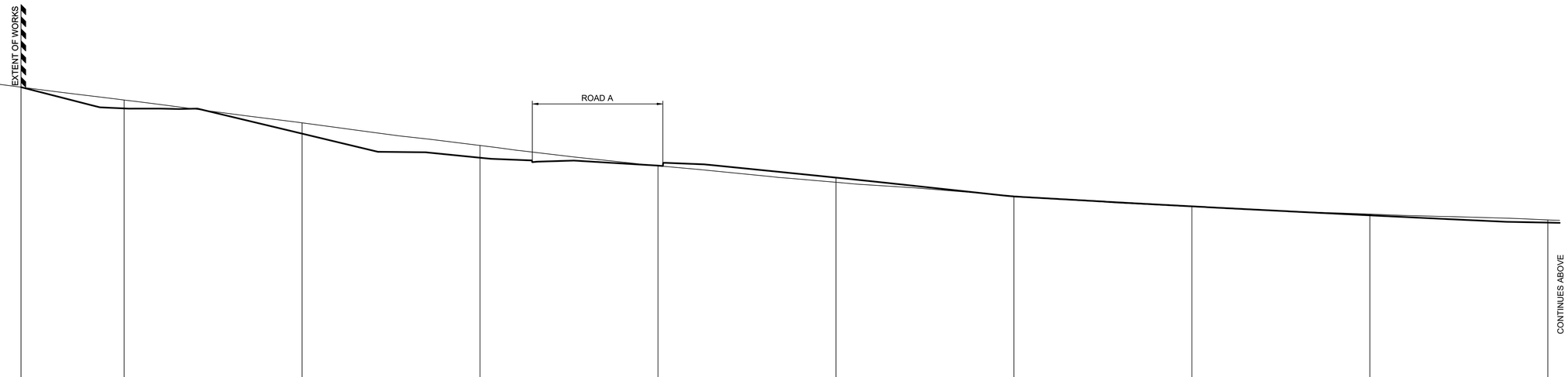
REFER DRAWING CD012 FOR CONTINUATION

DATUM 926.0

DESIGN SURFACE	946.788	946.384	945.912	945.802	945.448	945.033	944.934	944.732	944.942	945.562
EXISTING SURFACE	947.014	946.680	946.588	946.135	945.140	945.691	945.698	945.938	946.410	946.861
CHAINAGE	135.000	150.000	165.000	180.000	195.000	210.000	225.000	240.000	255.000	270.000

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



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DATUM 933.0

DESIGN SURFACE		958.210	956.417	954.290	952.259	951.592	950.582	948.990	948.159	947.403	946.788
EXISTING SURFACE	959.000	958.211	957.126	955.203	953.291	951.579	950.189	949.036	948.131	947.504	947.014
CHAINAGE	0.000	6.310	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000

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

1:200 (AT A1) 4 2 0 4 8 12 16 20
METRES

C	SITE SECTION A UPDATED	CC	JM	MS	MS	02/06/23
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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CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS
PO Box 4366 PENRITH WESTFIELD NSW 2750
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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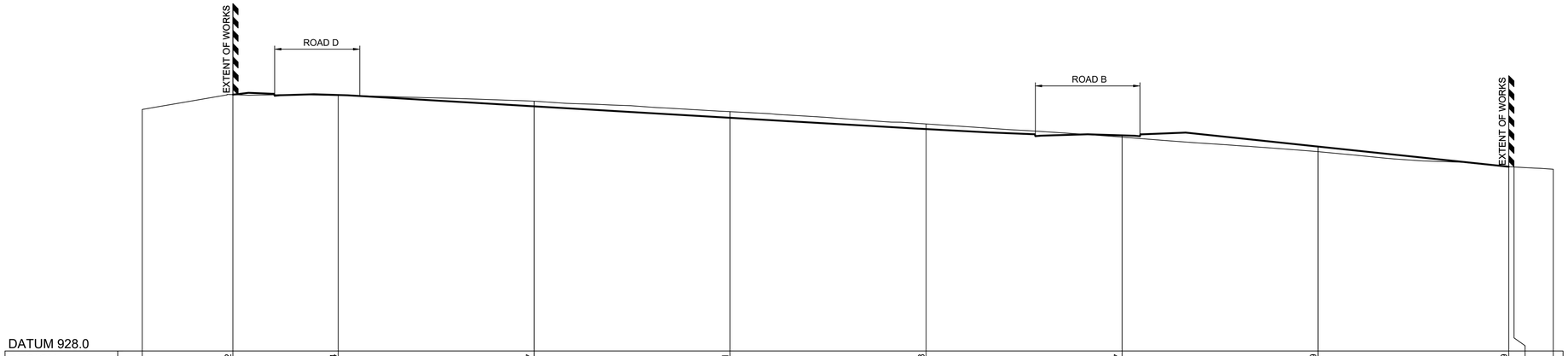
SOUTH BOWENFELS
STAGE 1 & 2
SITE SECTIONS
SHEET 1

PROJECT No: 110698-03

SHEET No: CD011

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

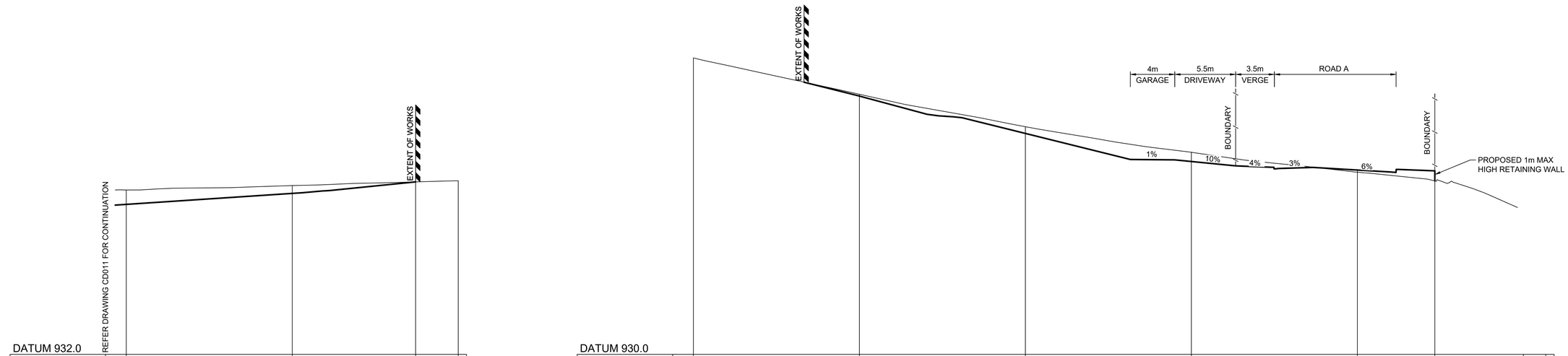
Plotted: 16 August, 2023 8:45:00 AM File Name: C:\SynergyWS\data\AS\JWP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD010.dwg



DATUM 928.0

DESIGN SURFACE		947.602	947.574	946.707	945.831	944.968	944.487	943.629	942.089			
EXISTING SURFACE	946.467	947.602	947.540	947.099	946.301	945.360	944.353	943.241	942.089	942.067	941.896	
CHAINAGE	0.000	6.940	15.000	30.000	45.000	60.000	75.000	90.000	104.596	105.000	108.000	

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



DATUM 932.0

DESIGN SURFACE	945.562	946.554			
EXISTING SURFACE	946.861	947.263	947.594	947.897	
CHAINAGE	270.000	285.000	296.150	300.000	

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

DATUM 930.0

DESIGN SURFACE		953.353	949.975	947.438	946.666	946.592			
EXISTING SURFACE	956.799	953.516	950.583	948.273	946.469	945.685			
CHAINAGE	0.000	15.000	30.000	45.000	60.000	67.000	75.000	77.027	

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

1:200 (AT A1) 4 2 0 4 8 12 16 20
METRES

D	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
C	SITE SECTION A UPDATED	CC	JM	MS	MS	02/06/23
B	SITE SECTION C UPDATED	CC	JM	MS	MS	19/05/23
A	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

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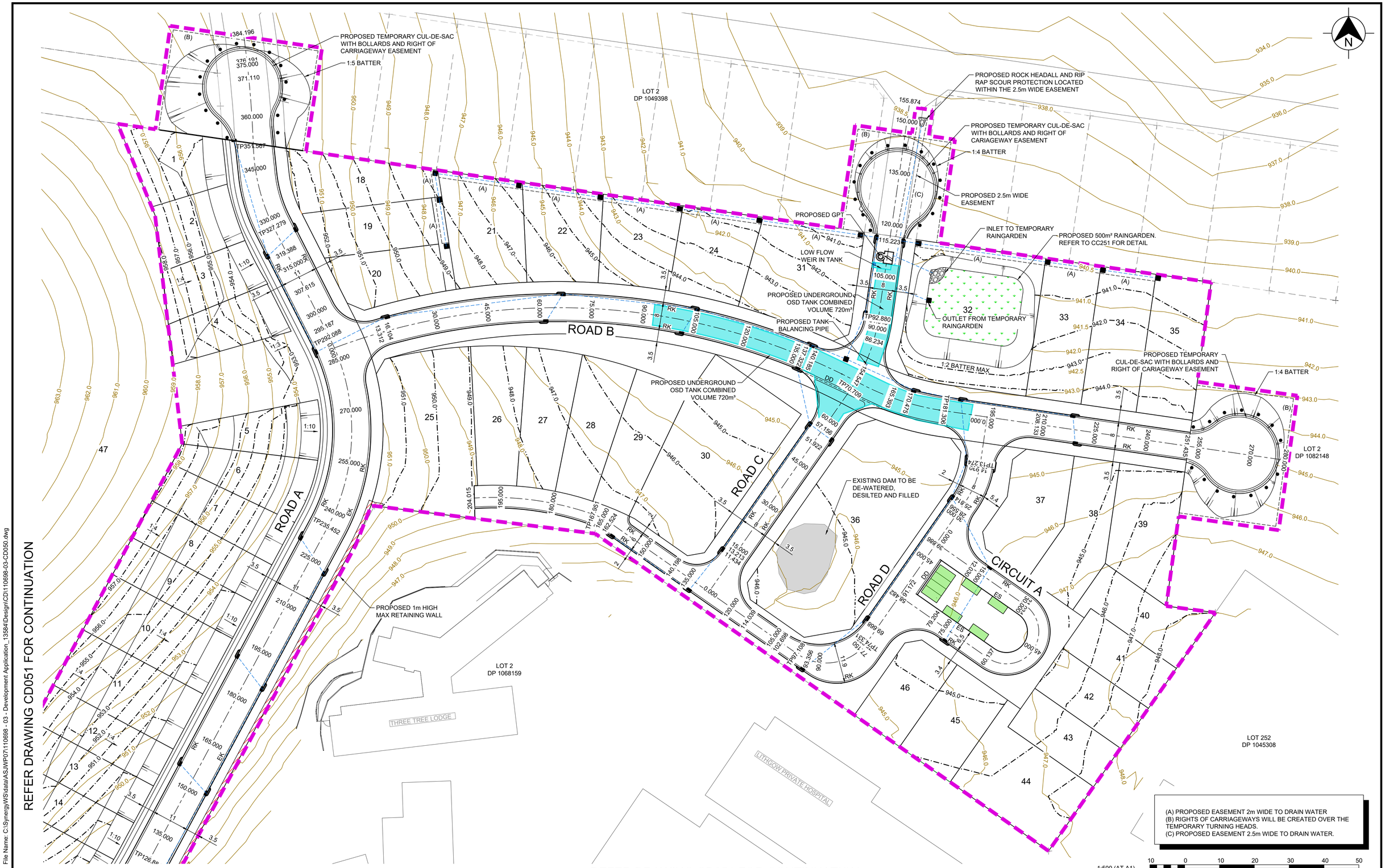
SOUTH BOWENFELS
STAGE 1 & 2
SITE SECTIONS
SHEET 2

PROJECT No: 110698-03
SHEET No: CD012

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

Plotted: 16 August , 2023 8:45:00 AM File Name: C:\SynergyWS\data\ASJWP07110698 - 03 - Development Application_13584\Design\CD\110698-03-CD010.dwg



G	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
F	OSD TANK UPDATED	CC	JM	MS	MS	02/06/23
E	ROAD A AMENDED	CC	JM	MS	MS	18/05/23
D	OSD, DRAINAGE & LOW AMENDED & RAINGARDEN & EASEMENT ADDED	CC	JM	KE	MS	03/03/23
C	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
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
ENGINEERING PLAN
SHEET 1

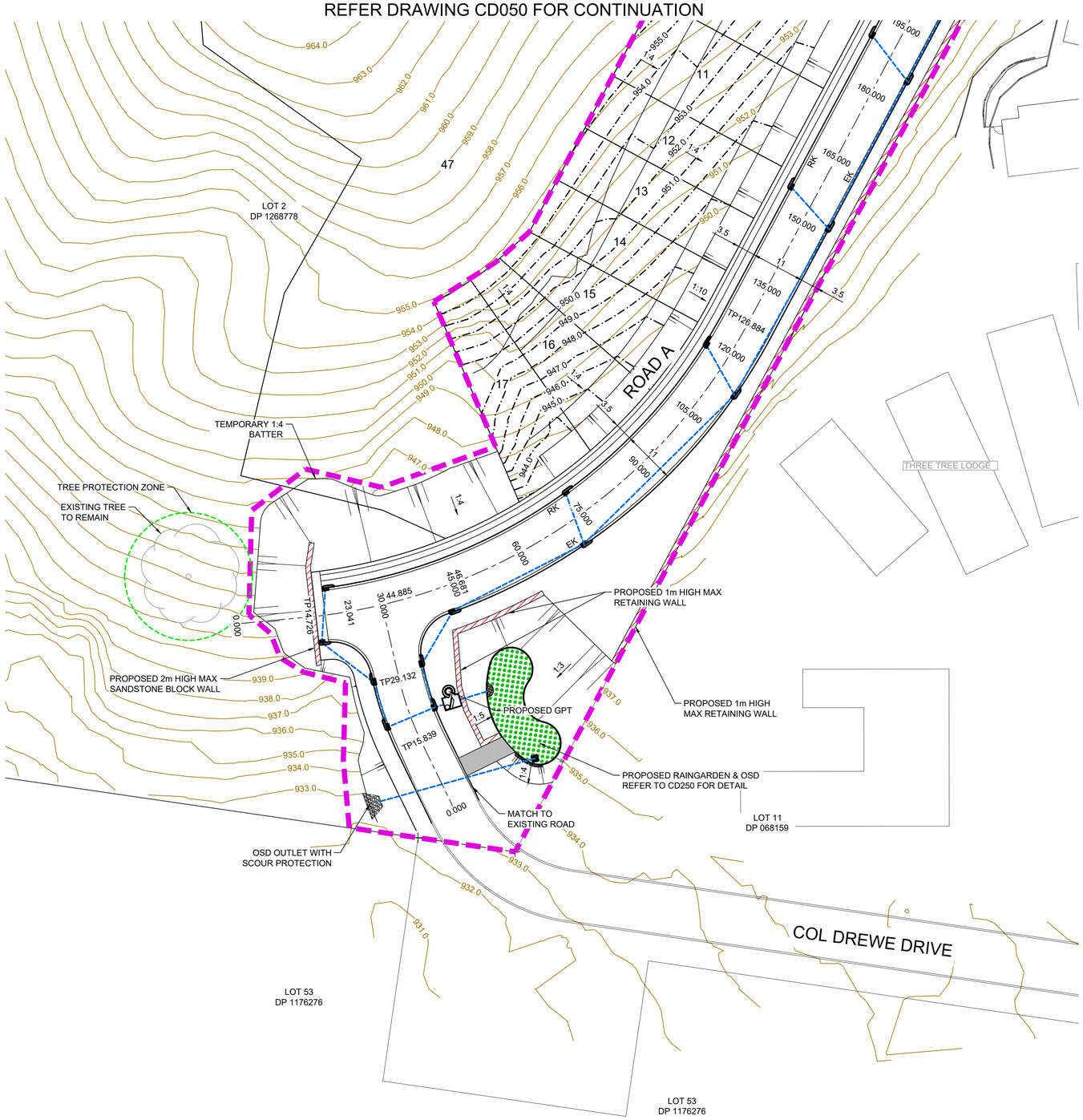
PROJECT No: 110698-03

SHEET No: CD050

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

Plotted: 16 August , 2023 8:38:13 AM File Name: C:\Synergy\WS\data\ASJWP07110698 - 03 - Development Application_13594\Design\CD110698-03-CD050.dwg

REFER DRAWING CD050 FOR CONTINUATION



1:500 (AT A1)

10 0 10 20 30 40 50

METRES

E	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
D	TREE PROTECTION ZONE & RETAINING WALL ADDED	CC	JM	KE	KE	17/01/24
C	ROAD A & BASIN AMENDED	CC	JM	MS	MS	18/05/23
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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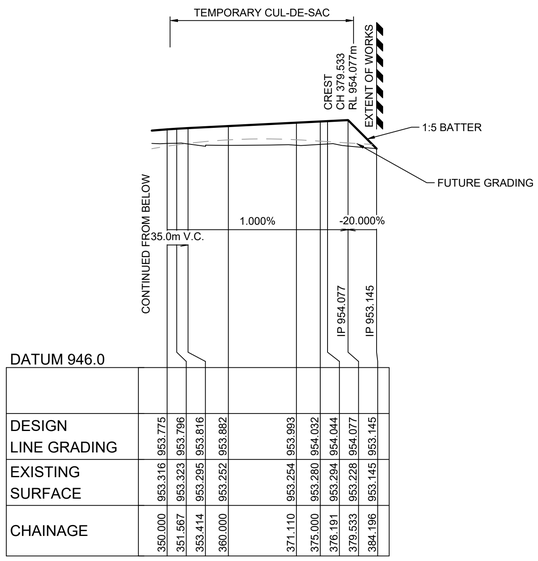
SOUTH BOWENFELS
STAGE 1 & 2
ENGINEERING PLAN
SHEET 2

PROJECT No: 110698-03

SHEET No: CD051

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

Plotted: 16 February , 2024 4:01:14 PM File Name: C:\SynergyWS\data\ASJ\WP04\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD050.dwg

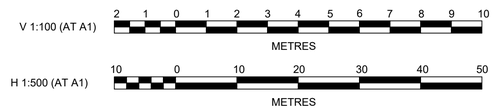


LONGITUDINAL SECTION ROAD A

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

LONGITUDINAL SECTION ROAD A

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



F	FUTURE GRADING REMOVED	CC	CC	PK	KE	16/02/24
E	RETAINING WALL ADDED TO ROAD A LONG SECTION	CC	JM	KE	KE	17/01/24
D	ROAD LONG SECTION UPDATED	CC	JM	MS	MS	19/05/23
C	LONG SECTION AMENDED	CC	JM	KE	MS	03/03/23
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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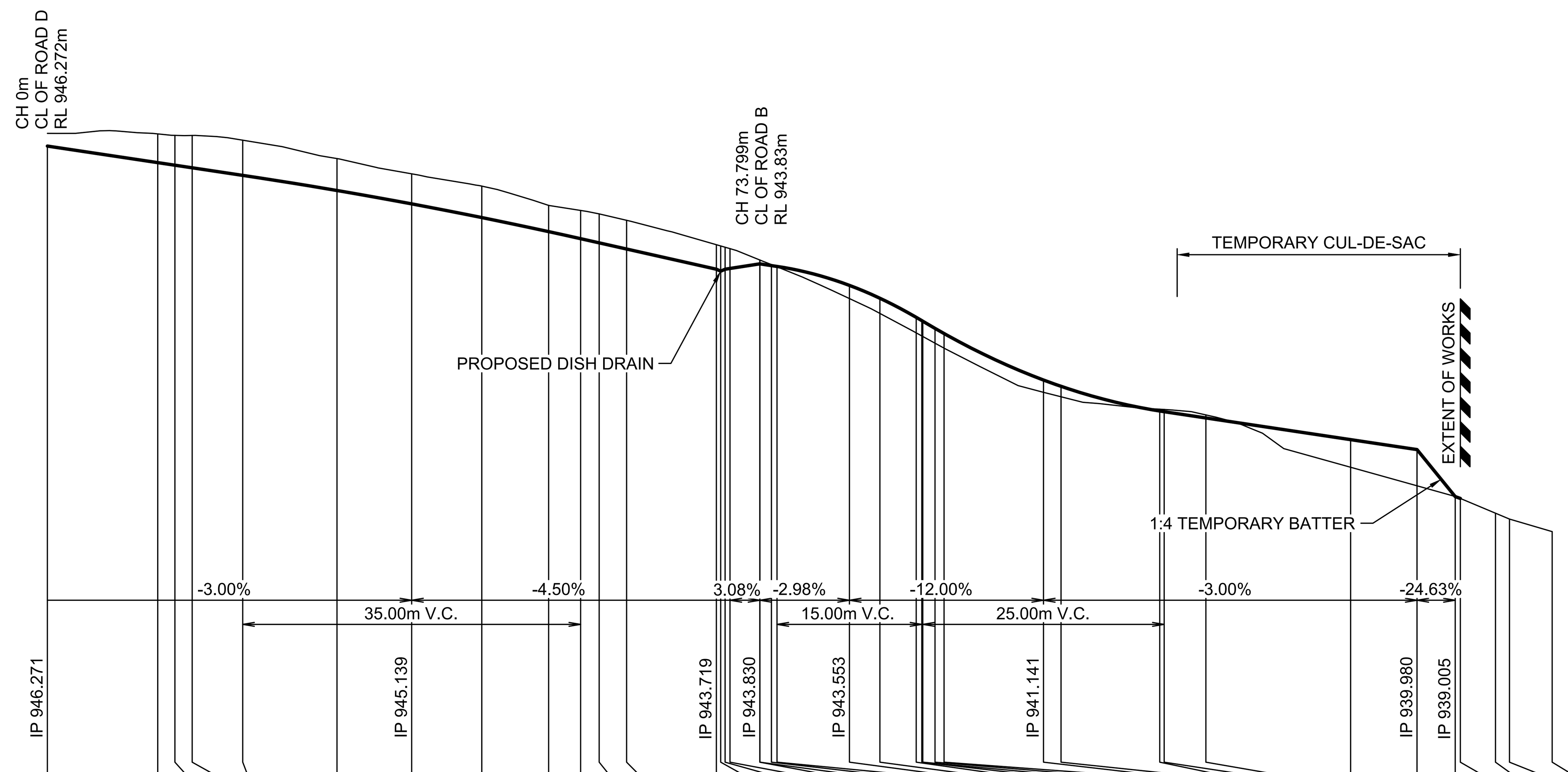
SOUTH BOWENFELS
STAGE 1 & 2
ROAD LONGITUDINAL SECTIONS
SHEET 1

PROJECT No: 110698-03

SHEET No: CD100

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD100 | F

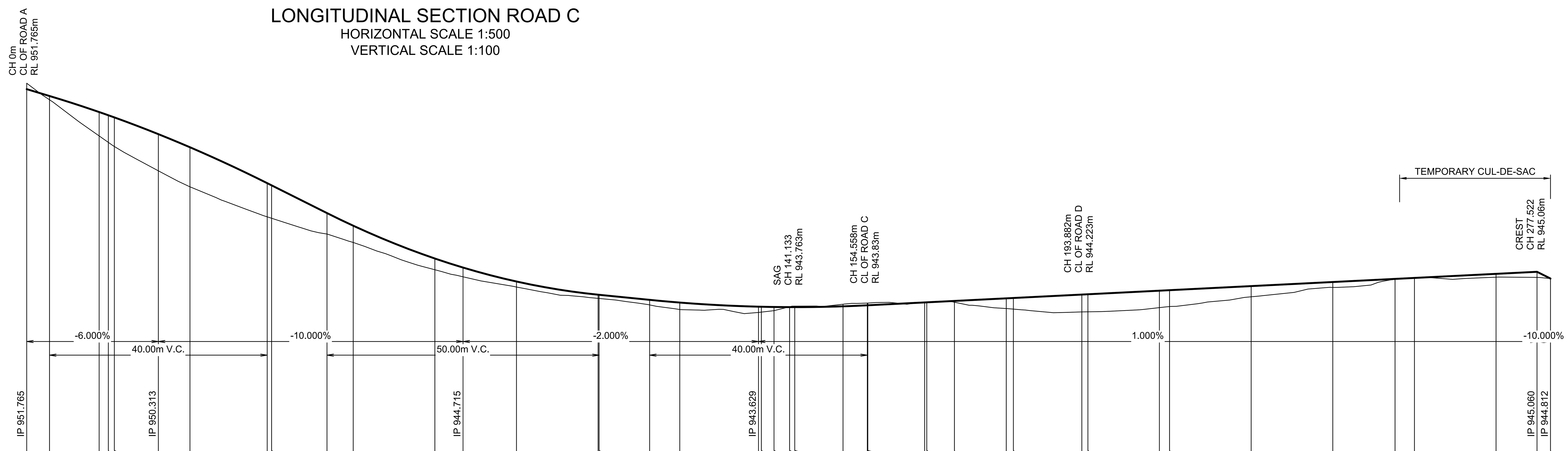
Plotted: 16 February , 2024 4:01:15 PM File Name: C:\SynergyWS\data\ASJWP04\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD100.dwg



DATUM 933.0

CHAINAGE	DESIGN LINE GRADING	EXISTING SURFACE
-0.000	946.271	
11.434	945.928	946.524
13.213	945.875	946.493
15.000	945.821	946.492
20.236	945.664	946.394
30.000	945.351	946.013
37.736	945.074	945.697
45.000	944.790	945.442
51.922	944.499	945.043
55.236	944.352	944.938
57.156	944.265	944.866
60.000	944.137	944.733
69.299	943.719	944.227
69.749	943.679	944.201
70.199	943.719	944.175
70.709	943.735	944.146
73.799	943.830	943.911
73.799	943.830	943.911
75.000	943.794	943.815
75.579	943.777	943.769
83.079	943.384	943.112
86.234	943.118	942.803
90.000	942.722	942.400
90.579	942.653	942.336
90.683	942.641	942.325
91.946	942.492	942.186
92.880	942.386	942.083
103.183	941.422	941.167
105.000	941.291	941.075
115.223	940.780	940.817
115.683	940.766	940.812
120.000	940.636	940.699
135.000	940.186	939.613
141.874	939.980	939.229
145.831	939.005	939.005
146.361		938.968
150.000		938.662
151.451		938.540
155.874		938.279

LONGITUDINAL SECTION ROAD C
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



DATUM 937.0

CHAINAGE	DESIGN LINE GRADING	EXISTING SURFACE
0.000	951.765	951.983
4.193	951.513	951.375
13.312	950.925	950.047
15.000	950.807	949.811
16.104	950.728	949.660
24.193	950.113	948.765
30.000	949.632	948.179
44.193	948.313	947.075
45.000	948.233	947.022
55.177	947.215	946.442
60.000	946.751	946.136
75.000	945.547	945.131
80.177	945.215	944.875
90.000	944.703	944.500
105.000	944.219	944.077
105.177	944.215	944.074
114.467	944.029	943.839
120.000	943.930	943.675
134.467	943.779	943.564
135.000	943.777	943.575
137.322	943.768	943.629
140.185	943.763	943.777
141.133	943.763	943.798
150.000	943.792	943.869
154.467	943.829	943.910
154.547	943.830	943.911
154.558	943.830	943.911
165.000	943.935	943.948
165.393	943.938	943.954
170.475	943.989	943.943
180.000	944.085	943.711
181.306	944.098	943.690
193.882	944.223	943.587
195.000	944.235	943.591
208.133	944.366	943.744
210.000	944.385	943.783
225.000	944.535	944.141
240.000	944.685	944.486
251.435	944.799	944.779
255.000	944.835	944.834
270.000	944.985	944.862
277.522	945.060	944.855
280.000	944.812	944.812

LONGITUDINAL SECTION ROAD B
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

V 1:100 (AT A1) 2 1 0 1 2 3 4 5 6 7 8 9 10 METRES

H 1:500 (AT A1) 10 0 10 20 30 40 50 METRES

	AMENDMENT	DES	DRN	CKD	APR	DATE
C	LONG SECTION AMENDED	CC	JM	KE	MS	03/03/23
B	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
A	ISSUE FOR CLIENT REVIEW	CC	JM			

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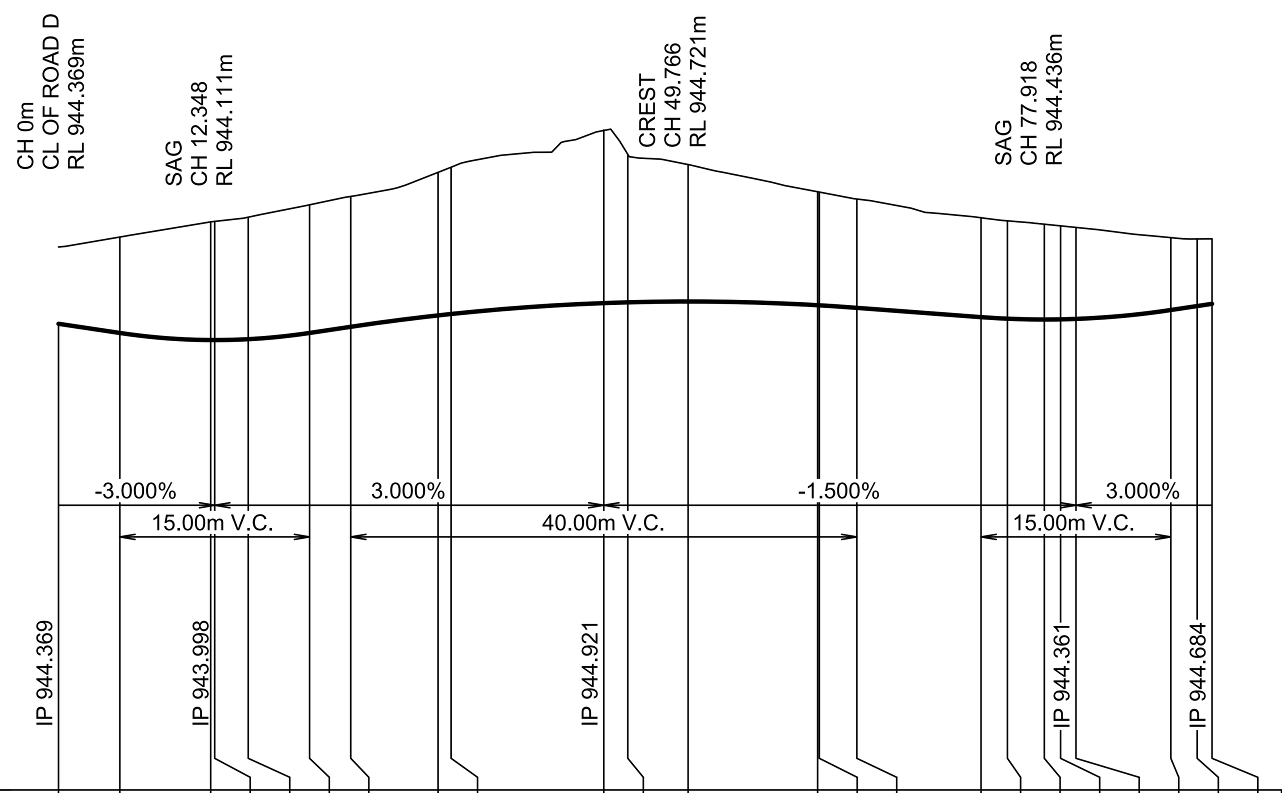
SOUTH BOWENFELS
STAGE 1 & 2
ROAD LONGITUDINAL SECTIONS
SHEET 2

PROJECT No: 110698-03
SHEET No: CD101

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

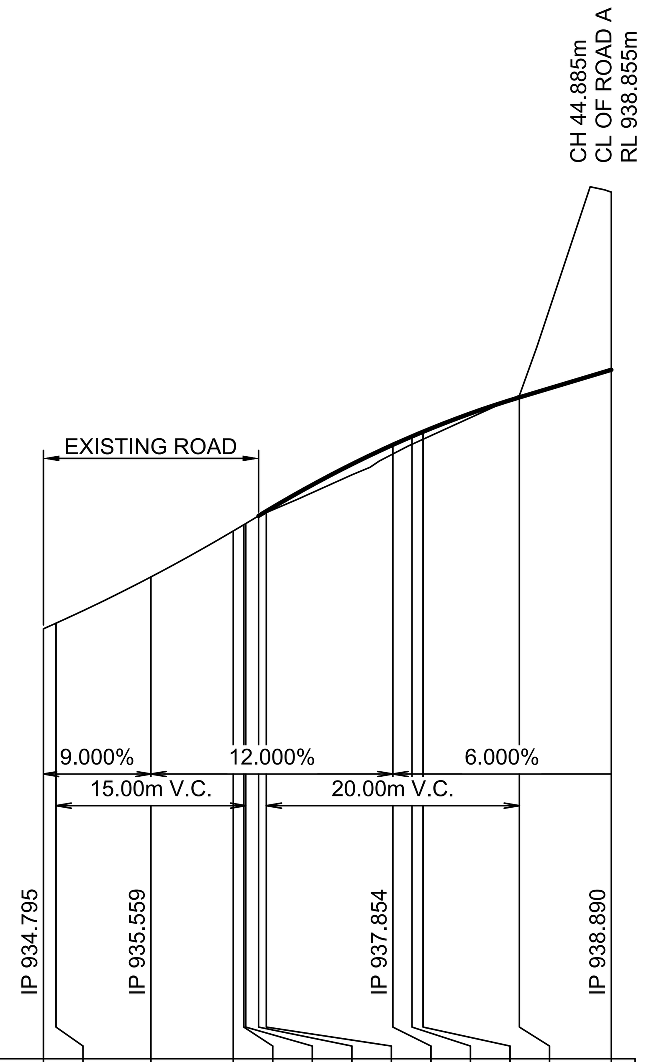
Plotted: 16 August , 2023 8:45:01 AM File Name: C:\SynergyWS\data\ASJWP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD100.dwg



CHAINAGE	DESIGN LINE GRADING	EXISTING SURFACE
-0.000	944.369	
4.848	944.223	945.740
12.030	944.111	945.979
12.348	944.111	945.987
15.000	944.125	946.054
19.848	944.223	946.249
23.100	944.321	946.382
30.000	944.501	946.762
31.034	944.524	946.843
43.100	944.696	947.432
45.000	944.708	947.046
49.766	944.721	946.886
60.000	944.662	946.455
60.137	944.660	946.450
63.100	944.621	946.340
72.918	944.474	946.044
75.000	944.449	945.996
77.918	944.436	945.943
79.204	944.439	945.917
80.418	944.446	945.892
87.918	944.586	945.730
90.000	944.649	945.709
91.172	944.684	945.711

LONGITUDINAL SECTION CIRCUIT A

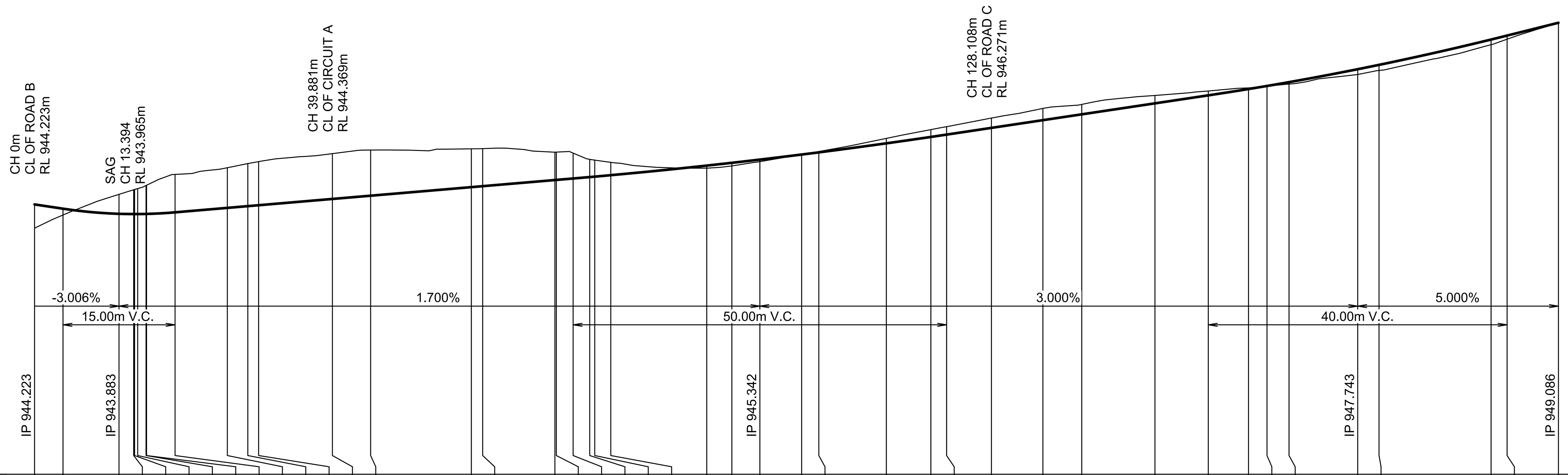
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



CHAINAGE	DESIGN LINE GRADING	EXISTING SURFACE
0.000		934.795
0.993		934.888
8.493		935.637
15.000		936.346
15.839		936.437
15.993		936.454
17.000	936.580	936.566
17.617	936.654	936.621
27.617	937.704	937.559
29.132	937.837	937.712
30.000	937.910	937.791
37.617	938.454	938.485
44.885	938.890	941.698

LONGITUDINAL SECTION COL DREW DRIVE

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



CHAINAGE	DESIGN LINE GRADING	EXISTING SURFACE
0.000	944.223	
3.812	944.109	943.940
11.312	943.972	944.493
13.274	943.965	944.614
13.394	943.965	944.622
13.812	943.965	944.647
14.930	943.968	944.730
15.000	943.969	944.737
18.812	944.011	945.026
25.814	944.130	945.205
28.556	944.176	945.316
30.000	944.201	945.368
39.881	944.369	945.583
45.000	944.456	945.678
58.482	944.685	945.711
60.000	944.711	945.717
69.668	944.875	945.621
69.856	944.878	945.623
72.108	944.917	945.597
74.331	944.955	945.428
75.000	944.967	945.409
77.150	945.006	945.349
90.000	945.263	945.194
93.356	945.337	945.254
97.108	945.423	945.369
102.698	945.558	945.558
105.000	945.617	945.640
114.039	945.858	945.991
120.000	946.029	946.225
122.108	946.092	946.305
128.108	946.272	946.535
135.000	946.478	946.793
140.198	946.634	946.901
150.000	946.928	947.139
157.146	947.143	947.259
162.524	947.311	947.342
165.000	947.394	947.390
167.951	947.496	947.445
177.146	947.843	947.700
180.000	947.959	947.809
195.000	948.637	948.498
197.146	948.743	948.646
204.015	949.086	949.086

LONGITUDINAL SECTION ROAD D

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

V 1:100 (AT A1) 2 1 0 1 2 3 4 5 6 7 8 9 10 METRES

H 1:500 (AT A1) 10 0 10 20 30 40 50 METRES

	AMENDMENT	DES	DRN	CKD	APR	DATE
C	LONG SECTION ADDED	CC	JM	MS	MS	19/05/23
B	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
A	ISSUE FOR CLIENT REVIEW	CC	JM			

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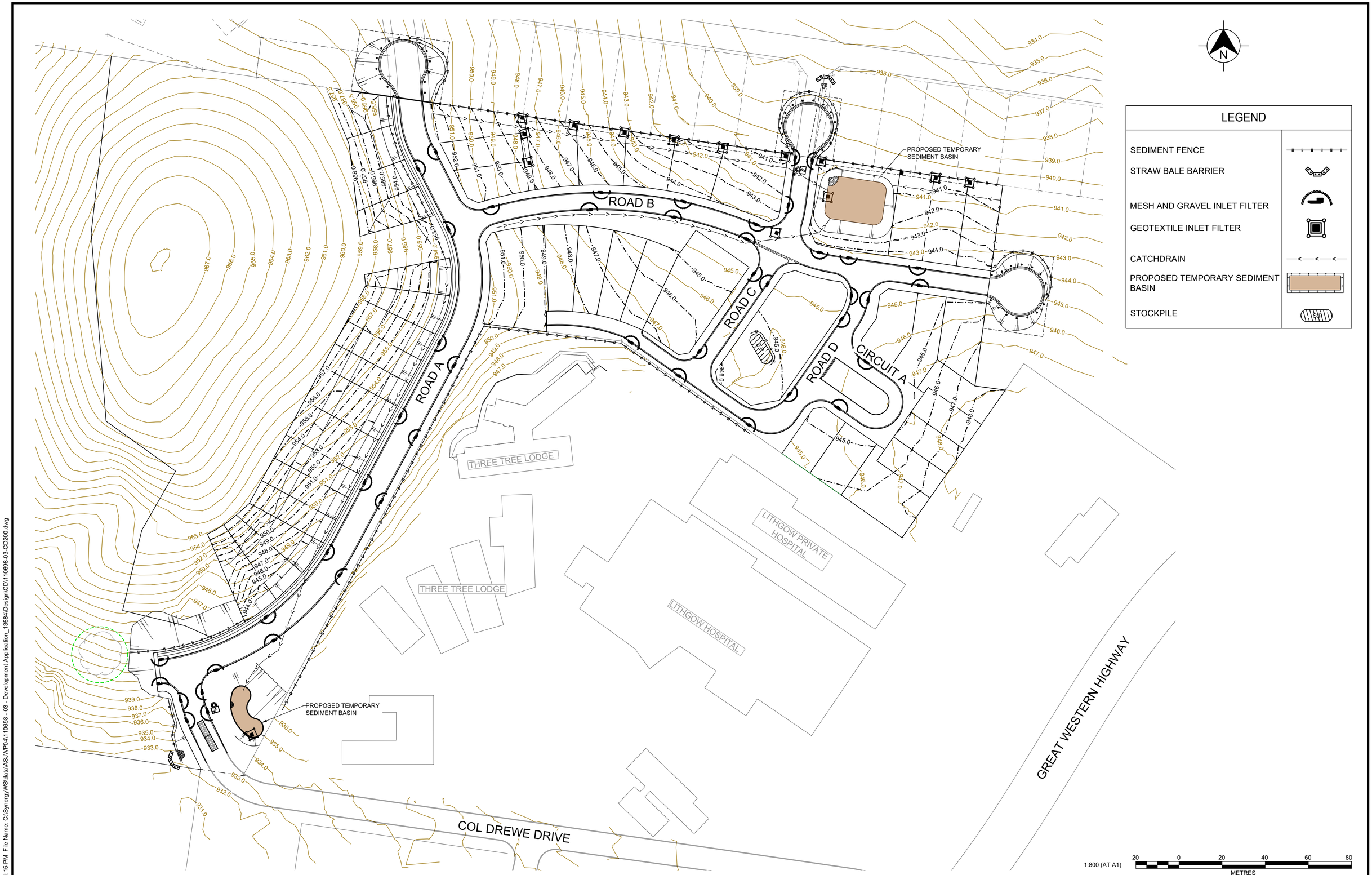
SOUTH BOWENFELS
STAGE 1 & 2
ROAD LONGITUDINAL SECTIONS

PROJECT No: 110698-03
SHEET No: CD102

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD102 | C

Plotted: 16 August , 2023 8:45:01 AM File Name: C:\SynergyWS\data\ASJWP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD100.dwg



H	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
G	TREE PROTECTION ZONE	CC	JM	KE	KE	17/01/24
F	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
E	ROAD A AND BASIN AMENDED	CC	JM	MS	MS	19/05/23
D	OSD & DRAINAGE AMENDED & RAINGARDEN & EASEMENT ADDED	CC	JM	KE	MS	03/03/23
C	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
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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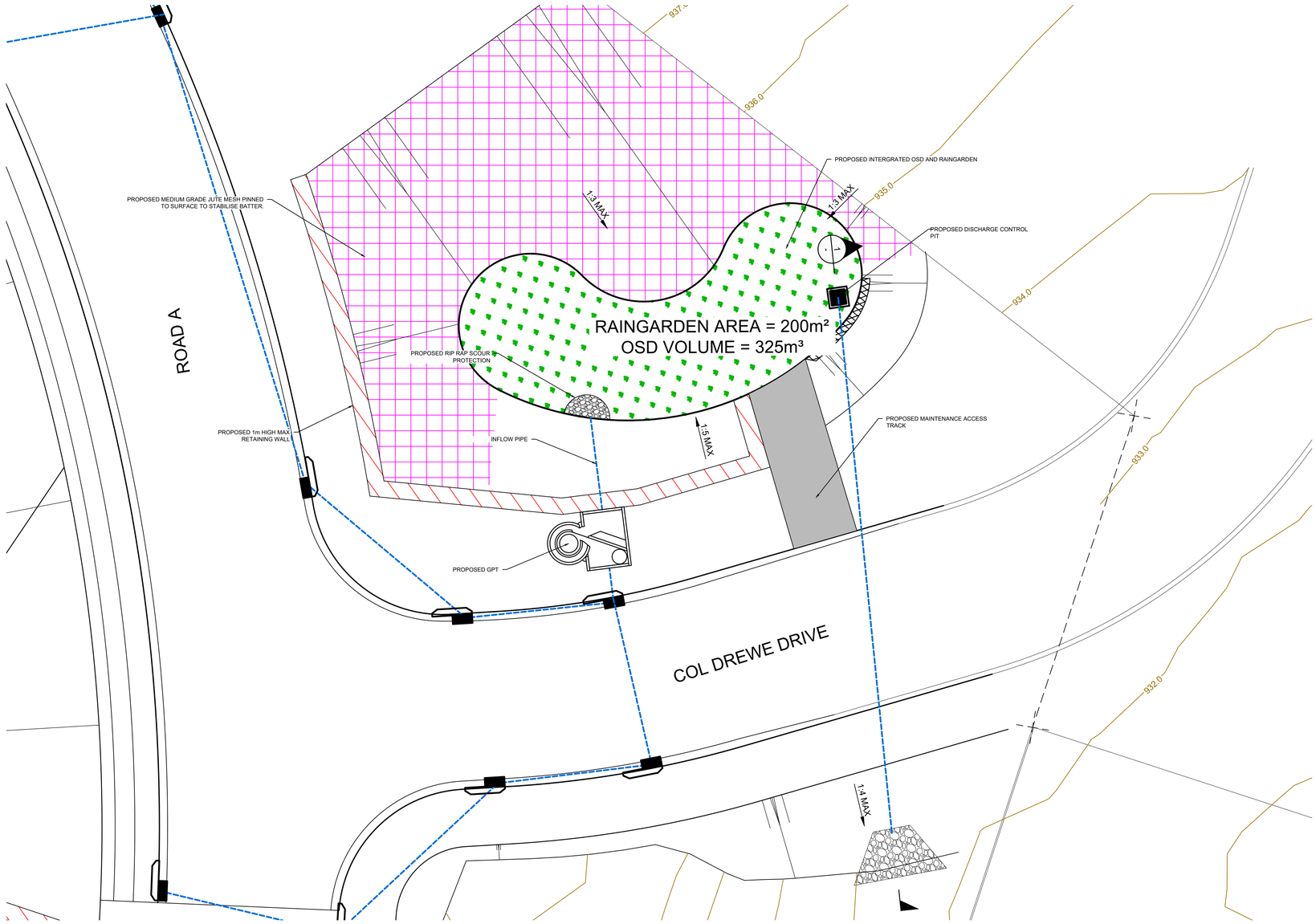
SOUTH BOWENFELS
STAGE 1 & 2
SOIL & WATER MANAGEMENT PLAN

PROJECT No: 110698-03
SHEET No: CD200

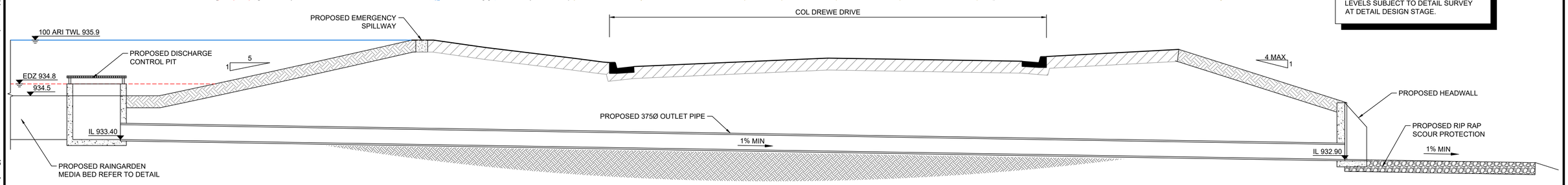
AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD200 | H

Plotted: 16 February , 2024 4:01:15 PM File Name: C:\SynergyWS\data\ASJWP04\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD200.dwg



NOTE:

LEVELS SUBJECT TO DETAIL SURVEY AT DETAIL DESIGN STAGE.



SECTION 1
SCALE 1:50

1:50 (AT A1) 1 0 1 2 3 4 5
METRES
1:150 10 0 10 20 30 40 50 60
METRES (FOR A1 PLOT)

D	FUTURE BOUNDARIES, FOOTPATH AND KERBS REMOVED	CC	CC	PK	KE	16/02/24
C	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
B	BASIN AMENDED	CC	JM	MS	MS	19/05/23
A	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

J. WYNDHAM PRINCE
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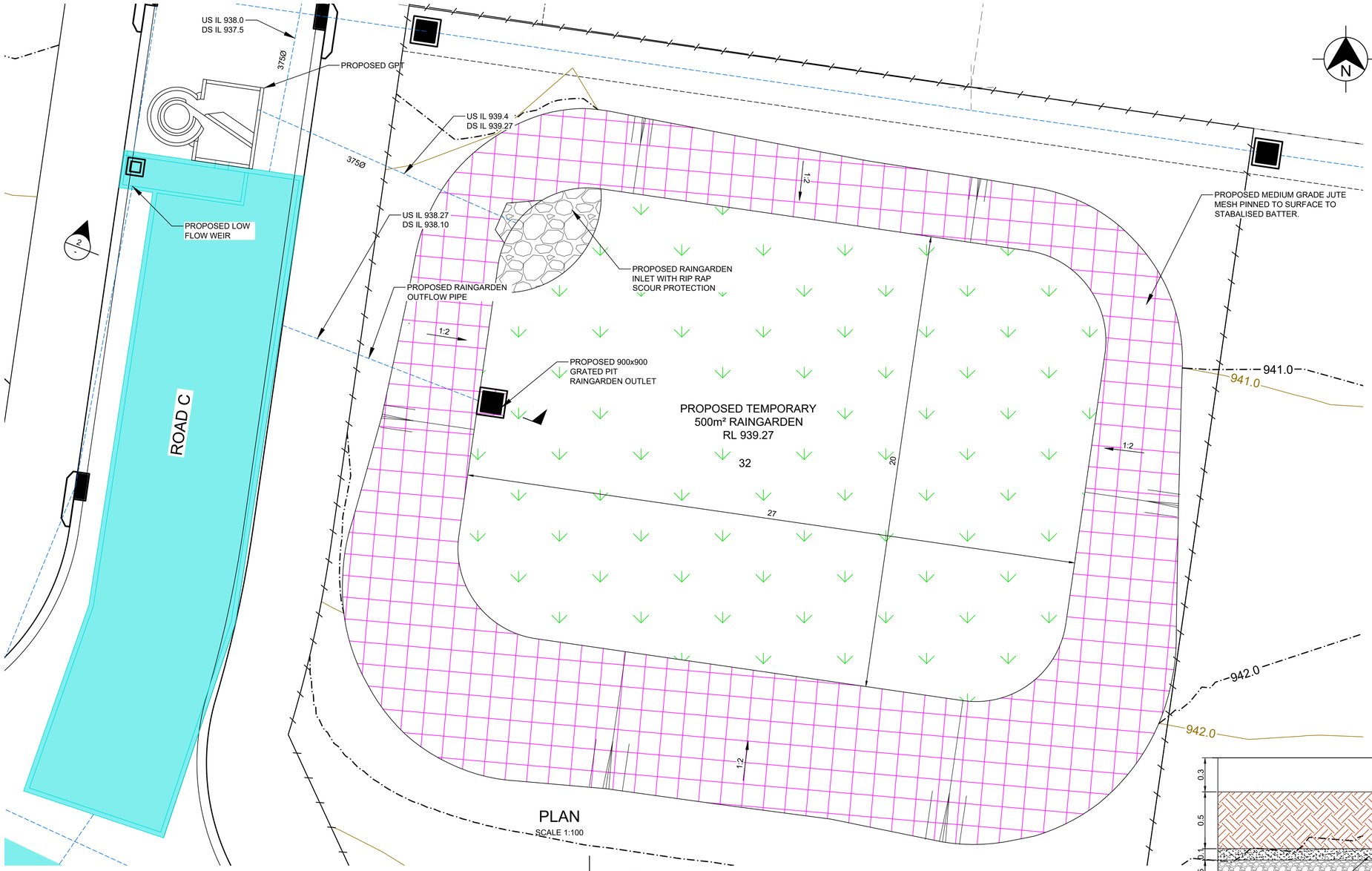
SOUTH BOWENFELS
STAGE 1 & 2
OSD AND RAINGARDEN PLAN

PROJECT No: 110698-03

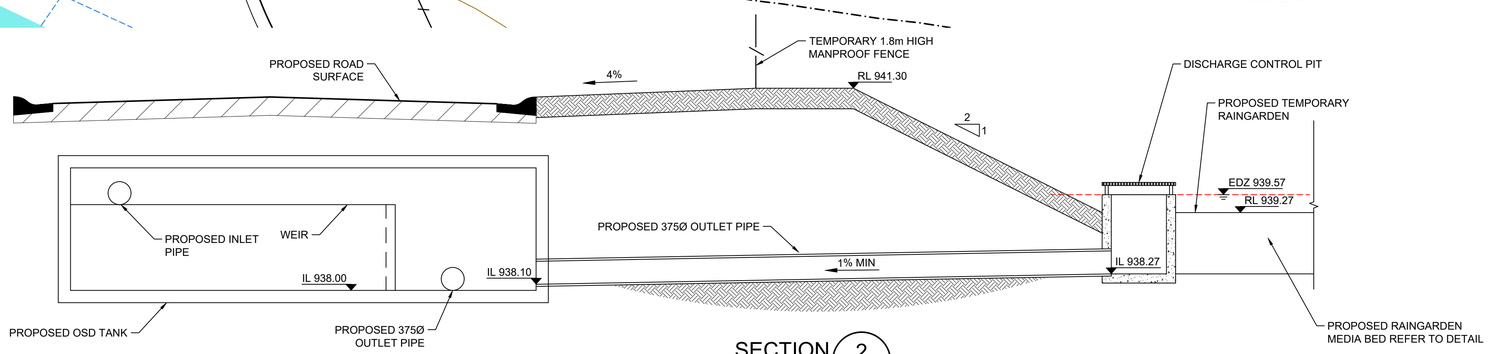
SHEET No: CD250

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD250 | D

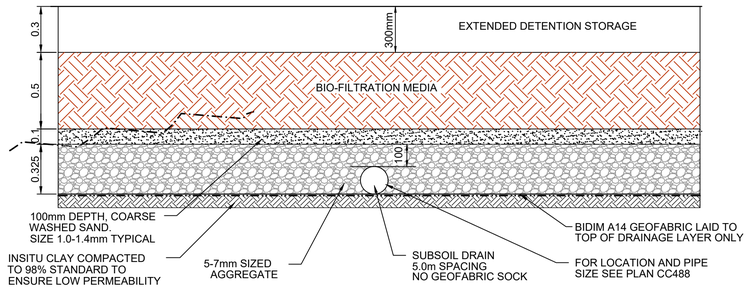
Plotted: 16 February , 2024 4:01:16 PM File Name: C:\SynergyWS\data\ASJWP04\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD250.dwg



PLAN
SCALE 1:100



SECTION 2
SCALE 1:50



RAINGARDEN MEDIA BED DETAIL
SCALE 1:20

1:20 (AT A1) 0.4 0.2 0 0.4 0.8 1.2 1.6 2.0 METRES

1:50 (AT A1) 1 0 1 2 3 4 5 METRES

1:100 (AT A1) 2 1 0 1 2 3 4 5 6 7 8 9 10 METRES

B	COUNCIL COMMENTS ADDRESSED	CC	JM	KE	KE	16/08/23
A	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	03/03/23
	AMENDMENT	DES	DRN	CKD	APR	DATE

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SOUTH BOWENFELS
STAGE 1 & 2
NORTH RAINGARDEN PLAN

PROJECT No: 110698-03
SHEET No: CD251

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD251 | B

Plotted: 16 August, 2023 8:38:14 AM File Name: C:\SynergyWS\data\ASJWP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD250.dwg

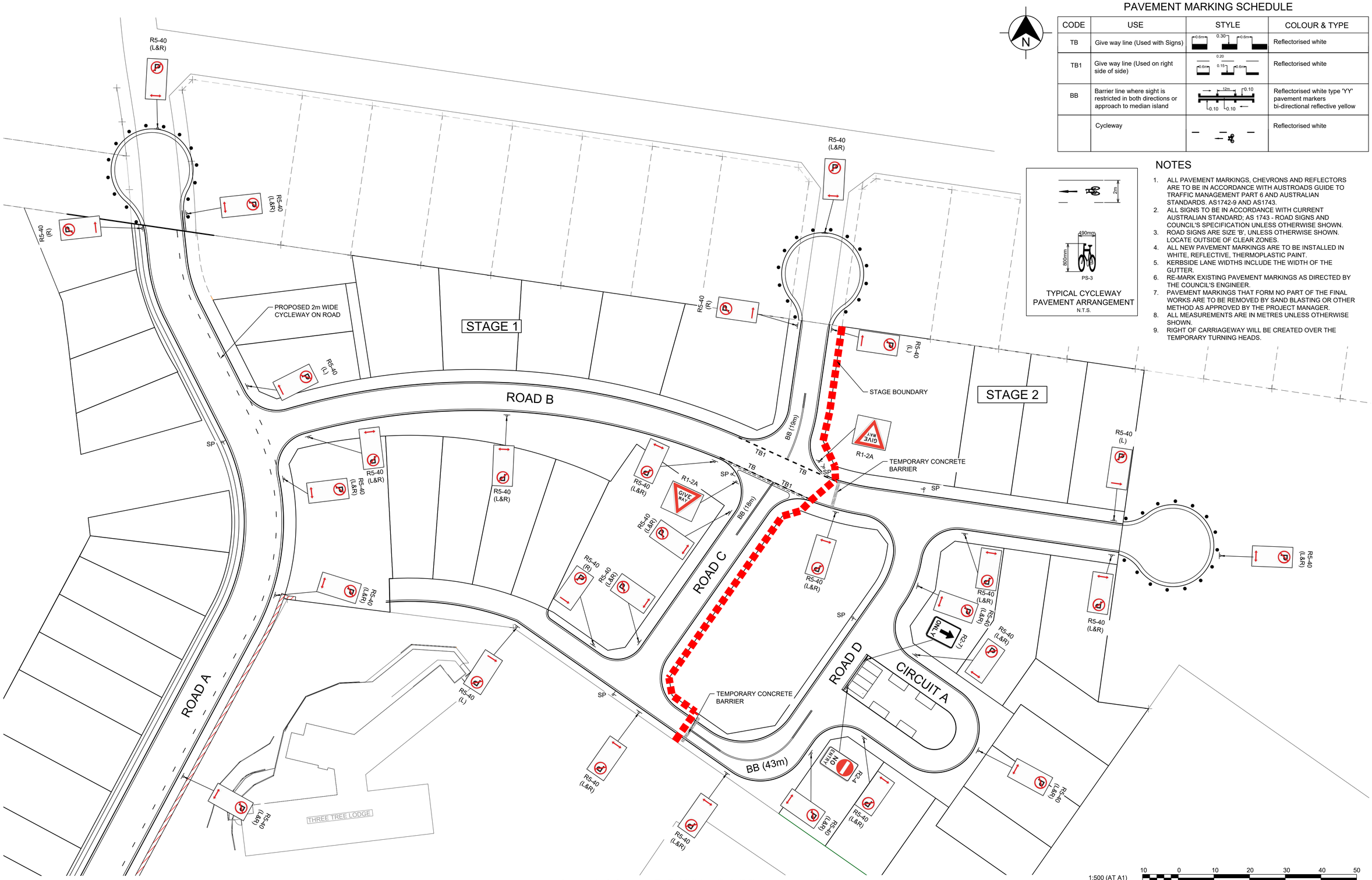
PAVEMENT MARKING SCHEDULE

CODE	USE	STYLE	COLOUR & TYPE
TB	Give way line (Used with Signs)	0.6m 0.30 0.6m	Reflectorised white
TB1	Give way line (Used on right side of side)	0.20 0.6m 0.15 0.6m	Reflectorised white
BB	Barrier line where sight is restricted in both directions or approach to median island	12m 0.10 0.10 0.10	Reflectorised white type 'YY' pavement markers bi-directional reflective yellow
	Cycleway		Reflectorised white

TYPICAL CYCLEWAY PAVEMENT ARRANGEMENT
N.T.S.

NOTES

1. ALL PAVEMENT MARKINGS, CHEVRONS AND REFLECTORS ARE TO BE IN ACCORDANCE WITH AUSTROADS 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.
9. RIGHT OF CARRIAGEWAY WILL BE CREATED OVER THE TEMPORARY TURNING HEADS.



REFER DRAWING CD301 FOR CONTINUATION

C	EASEMENT ADDED	CC	JM	KE	MS	03/03/23
B	LOTS 20 & 25 BOUNDARIES AMENDED	CC	JM	KE	KE	19/01/23
A	ISSUE FOR DA APPROVAL	CC	JM	KE	MS	08/12/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

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

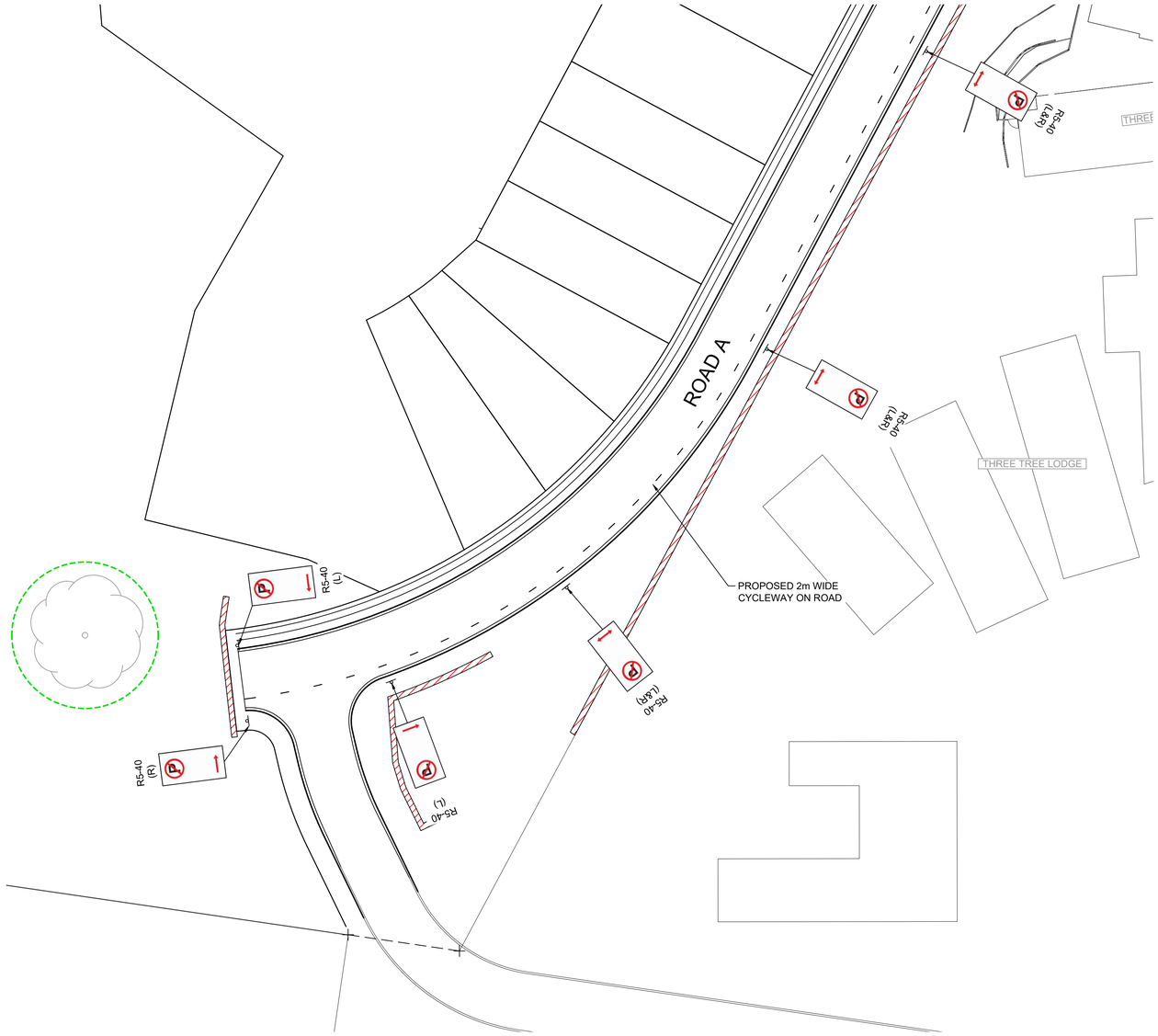
PROJECT No: 110698-03

SHEET No: CD300

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD300 | C

Plotted: 16 August, 2023 8:45:02 AM File Name: C:\Synergy\WSdata\ASJWP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD300.dwg

REFER DRAWING CD300 FOR CONTINUATION



1:500 (AT A1)

10 0 10 20 30 40 50

METRES

D	DA-5 SIGN REMOVED AND NO PARKING SIGN ADDED	CC	CC	PK	KE	16/02/24
C	ROAD A AMENDED	CC	JM	MS	MS	19/05/23
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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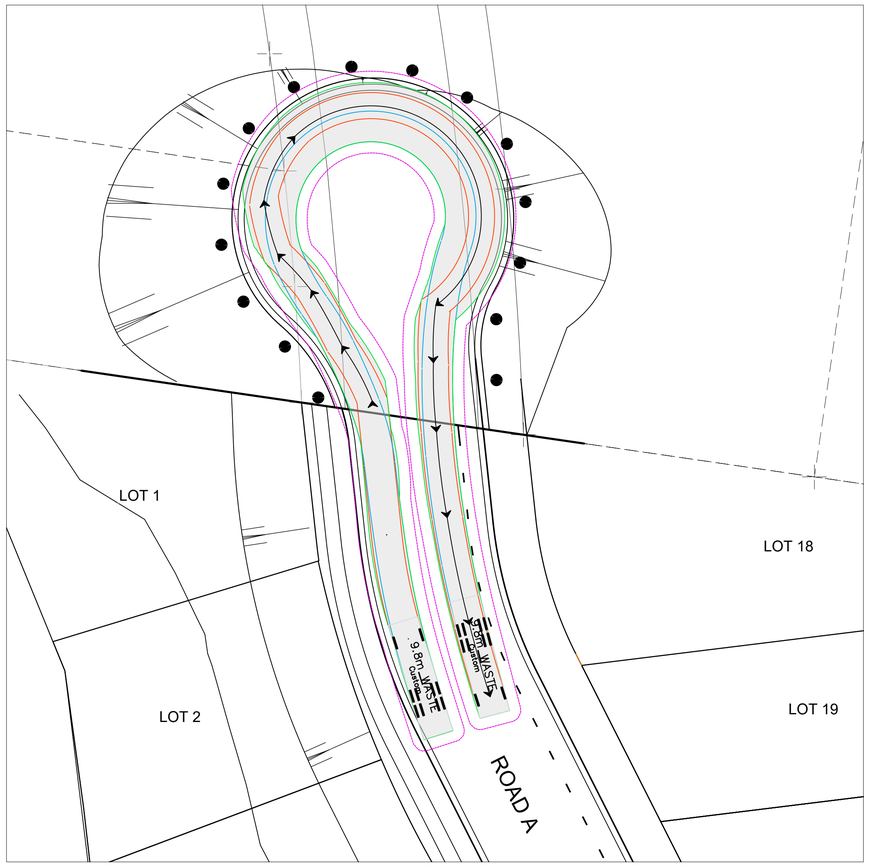
SOUTH BOWENFELS
STAGE 1 & 2
SIGNAGE & LINEMARKING PLAN
SHEET 2

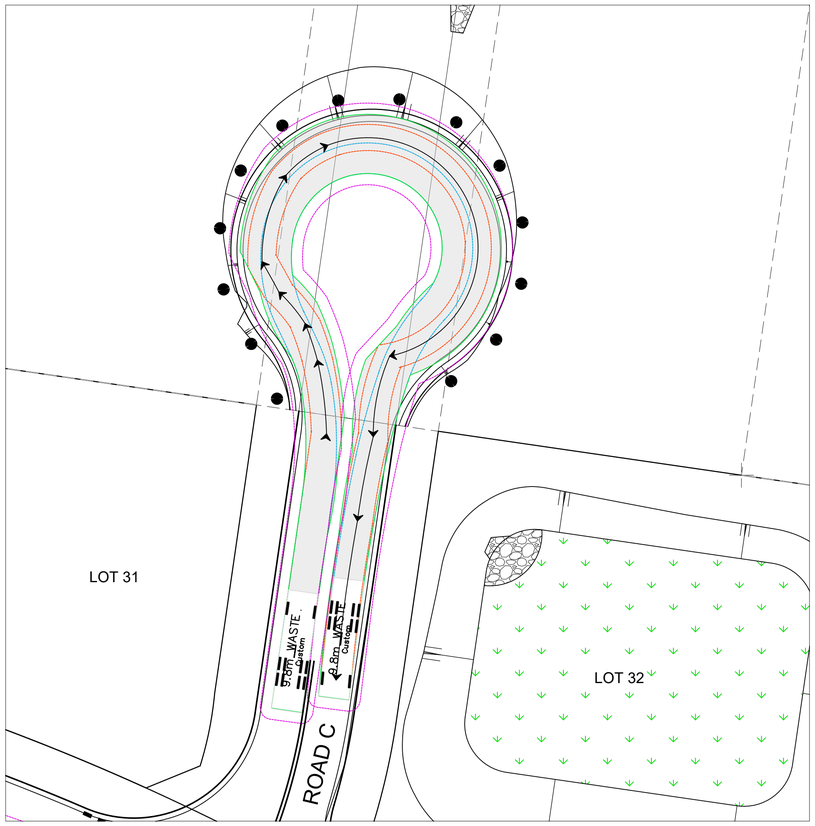
PROJECT No: 110698-03

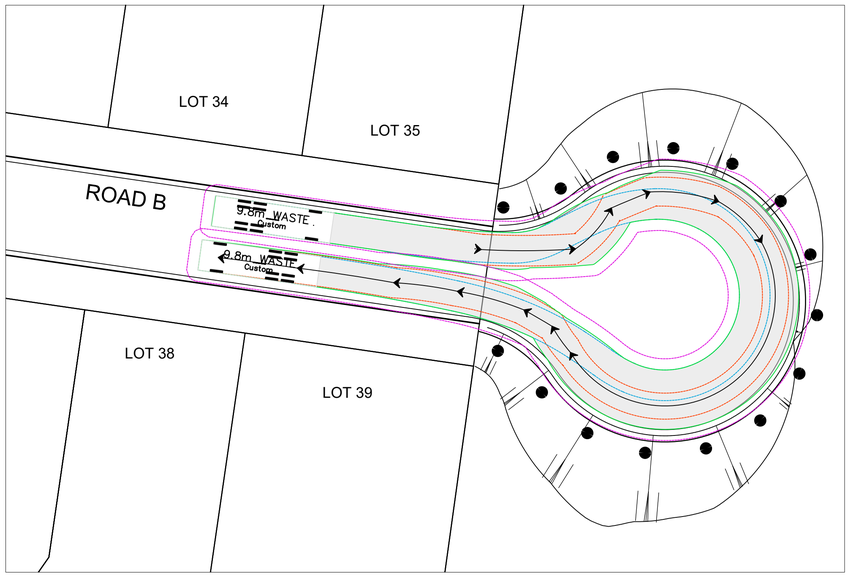
SHEET No: CD301

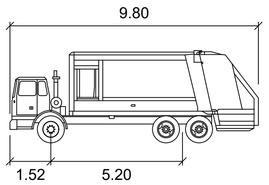
AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD301 | D

Plotted: 16 February, 2024 4:01:16 PM File Name: C:\SynergyWS\data\AS.IWP04\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD300.dwg









9.8m WASTE

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

1:250 (AT A1)

5 0 5 10 15 20 25

METRES

C	EASEMENT & RAINGARDEN ADDED	CC	JM	KE	MS	03/03/23
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
TURNING PATHS
SHEET 1

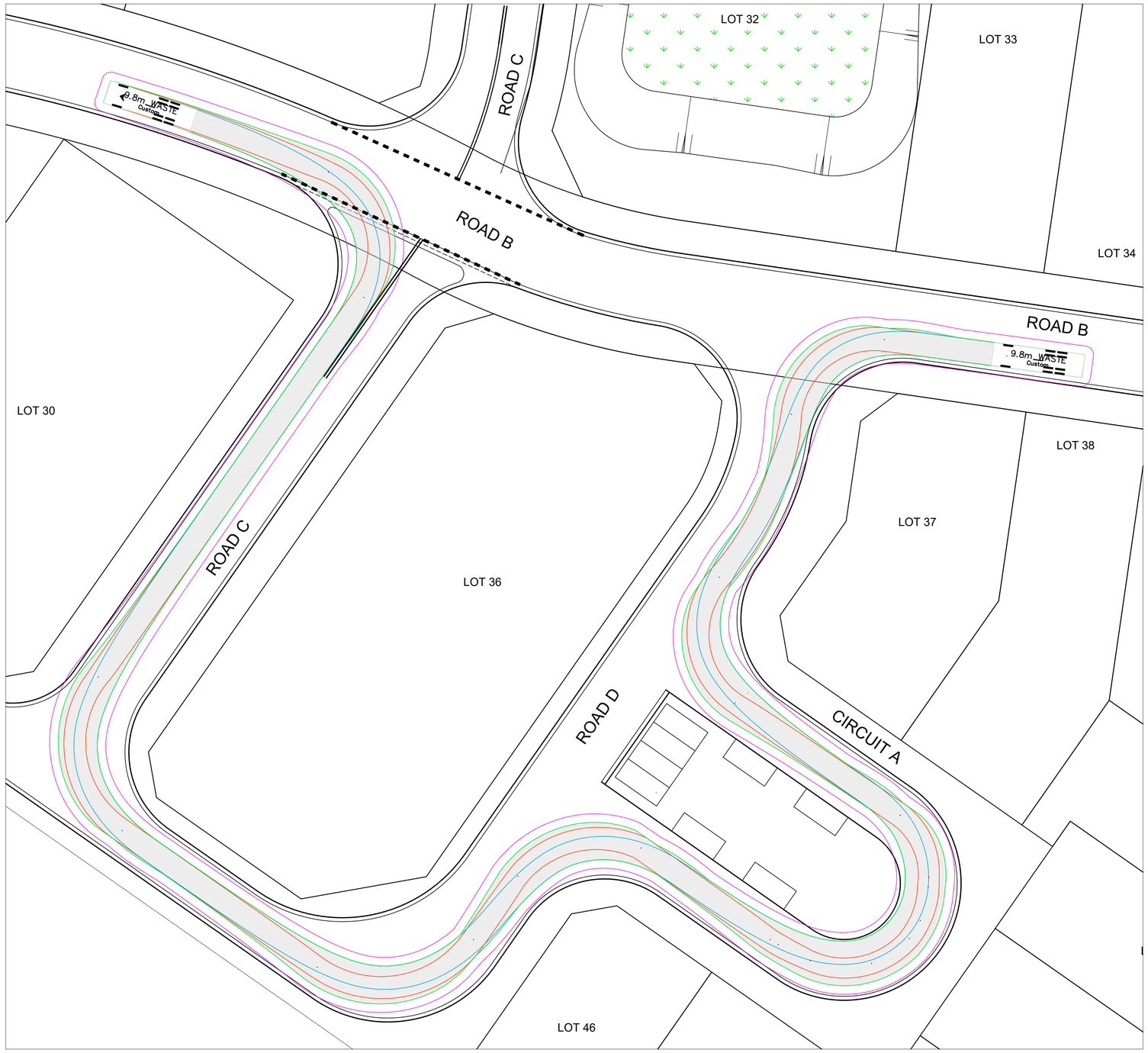
PROJECT No: 110698-03

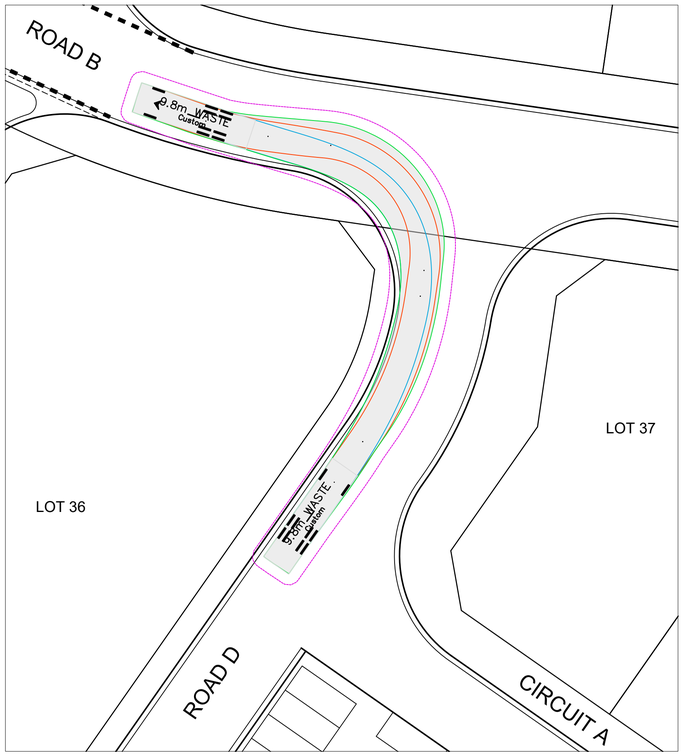
SHEET No: CD400

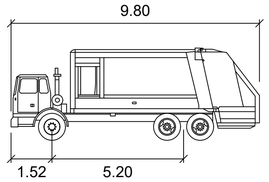
AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN:

PLAN No: 110698-03-CD400 | C

Plotted: 16 August , 2023 8:45:03 AM File Name: C:\Synergy\WSdata\ASJWP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD400.dwg







9.8m WASTE

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

1:250 (AT A1)

5 0 5 10 15 20 25

METRES

C	RAINGARDEN ADDED	CC	JM	KE	MS	03/03/23
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 & 3
TURNING PATHS
SHEET 2

PROJECT No: 110698-03

SHEET No: CD401

AZIMUTH: M.G.A.2020 | DATUM: A.H.D. | ORIGIN: | PLAN No: 110698-03-CD401 | C

Plotted: 16 August , 2023 8:45:03 AM File Name: C:\Synergy\WS\data\ASJ\WP07\110698 - 03 - Development Application_13584\Design\CD\110698-03-CD400.dwg