

WALKER ROSEDALE

BEVIAN ROAD ROSEDALE NSW 2536 CIVIL ENGINEERING WORKS

DRAWING SCHEDULE

DRAWING NUMBER	DESCRIPTION		
210123-00-C-C01.01	COVER SHEET AND DRAWING SCHEDULE	210123-00-C-C18.51	CONCEPT BASIN PLAN AND SECTIONS - SHEET 01
210123-00-C-C01.31	CONTEXT-STAGING PLAN	210123-00-C-C18.52	CONCEPT BASIN PLAN AND SECTIONS - SHEET 02
210123-00-C-C01.41	GENERAL ARRANGEMENT PLAN	210123-00-C-C18.53	CONCEPT BASIN PLAN AND SECTIONS - SHEET 03
210123-00-C-C01.51	ROAD HIERARCHY PLAN	210123-00-C-C18.54	CONCEPT BASIN PLAN AND SECTIONS - SHEET 04
210123-00-C-C02.01	EXISTING SITE CONDITIONS PLAN - SHEET 01	210123-00-C-C18.55	CONCEPT BASIN PLAN AND SECTIONS - SHEET 05
210123-00-C-C02.02	EXISTING SITE CONDITIONS PLAN - SHEET 02	210123-00-C-C18.56	CONCEPT BASIN PLAN AND SECTIONS - SHEET 06
210123-00-C-C03.01	EROSION AND SEDIMENTATION CONTROL PLAN - SHEET 01	210123-00-C-C18.57	CONCEPT BASIN PLAN AND SECTIONS - SHEET 07
210123-00-C-C03.02	EROSION AND SEDIMENTATION CONTROL PLAN - SHEET 02	210123-00-C-C19.01	RIPARIAN OFFSET PLAN - SHEET 01
210123-00-C-C03.21	EROSION AND SEDIMENTATION CONTROL DETAILS	210123-00-C-C19.02	RIPARIAN OFFSET PLAN - SHEET 02
210123-00-C-C04.01	BULK EARTHWORKS CUT AND FILL PLAN	210123-00-C-C20.01	PRE-DEVELOPMENT CATCHMENT PLAN
210123-00-C-C04.21	SITE SECTIONS - SHEET 01	210123-00-C-C20.51	POST-DEVELOPMENT CATCHMENT PLAN
210123-00-C-C04.22	SITE SECTIONS - SHEET 02		
210123-00-C-C04.23	SITE SECTIONS - SHEET 03		
210123-00-C-C04.24	SITE SECTIONS - SHEET 04		
210123-00-C-C04.25	SITE SECTIONS - SHEET 05		
210123-00-C-C04.26	SITE SECTIONS - SHEET 06		
210123-00-C-C05.01	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 01		
210123-00-C-C05.02	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 02		
210123-00-C-C05.03	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 03		
210123-00-C-C05.04	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 04		
210123-00-C-C05.05	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 05		
210123-00-C-C05.06	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 06		
210123-00-C-C05.07	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 07		
210123-00-C-C05.08	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 08		
210123-00-C-C05.09	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 09		
210123-00-C-C05.51	PROPOSED ROAD CORRIDOR		
210123-00-C-C06.01	ROAD TYPICAL CROSS SECTIONS - SHEET 01		
210123-00-C-C06.02	ROAD TYPICAL CROSS SECTIONS - SHEET 02		
210123-00-C-C07.01	ROAD LONGITUDINAL SECTIONS - SHEET 01		
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210123-00-C-C07.03	ROAD LONGITUDINAL SECTIONS - SHEET 03		
210123-00-C-C07.04	ROAD LONGITUDINAL SECTIONS - SHEET 04		
210123-00-C-C07.05	ROAD LONGITUDINAL SECTIONS - SHEET 05		
210123-00-C-C07.06	ROAD LONGITUDINAL SECTIONS - SHEET 06		
210123-00-C-C07.07	ROAD LONGITUDINAL SECTIONS - SHEET 07		
210123-00-C-C07.08	ROAD LONGITUDINAL SECTIONS - SHEET 08		
210123-00-C-C07.09	ROAD LONGITUDINAL SECTIONS - SHEET 09		
210123-00-C-C07.10	ROAD LONGITUDINAL SECTIONS - SHEET 10		
210123-00-C-C07.11	ROAD LONGITUDINAL SECTIONS - SHEET 11		
210123-00-C-C07.12	ROAD LONGITUDINAL SECTIONS - SHEET 12		
210123-00-C-C07.13	ROAD LONGITUDINAL SECTIONS - SHEET 13		
210123-00-C-C07.14	ROAD LONGITUDINAL SECTIONS - SHEET 14		
210123-00-C-C07.15	ROAD LONGITUDINAL SECTIONS - SHEET 15		
210123-00-C-C07.16	ROAD LONGITUDINAL SECTIONS - SHEET 16		
210123-00-C-C07.17	ROAD LONGITUDINAL SECTIONS - SHEET 17		
210123-00-C-C07.18	ROAD LONGITUDINAL SECTIONS - SHEET 18		
210123-00-C-C07.19	ROAD LONGITUDINAL SECTIONS - SHEET 19		
210123-00-C-C07.20	ROAD LONGITUDINAL SECTIONS - SHEET 20		
210123-00-C-C07.21	ROAD LONGITUDINAL SECTIONS - SHEET 21		
210123-00-C-C07.22	ROAD LONGITUDINAL SECTIONS - SHEET 22		
210123-00-C-C07.23	ROAD LONGITUDINAL SECTIONS - SHEET 23		
210123-00-C-C07.24	ROAD LONGITUDINAL SECTIONS - SHEET 24		
210123-00-C-C07.25	ROAD LONGITUDINAL SECTIONS - SHEET 25		
210123-00-C-C07.26	ROAD LONGITUDINAL SECTIONS - SHEET 26		
210123-00-C-C07.27	ROAD LONGITUDINAL SECTIONS - SHEET 27		
210123-00-C-C12.01	CONCEPT LEAD IN SERVICES PLAN - SHEET 01		
210123-00-C-C12.02	CONCEPT LEAD IN SERVICES PLAN - SHEET 02		

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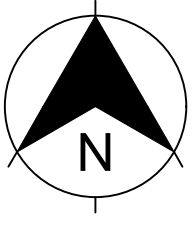


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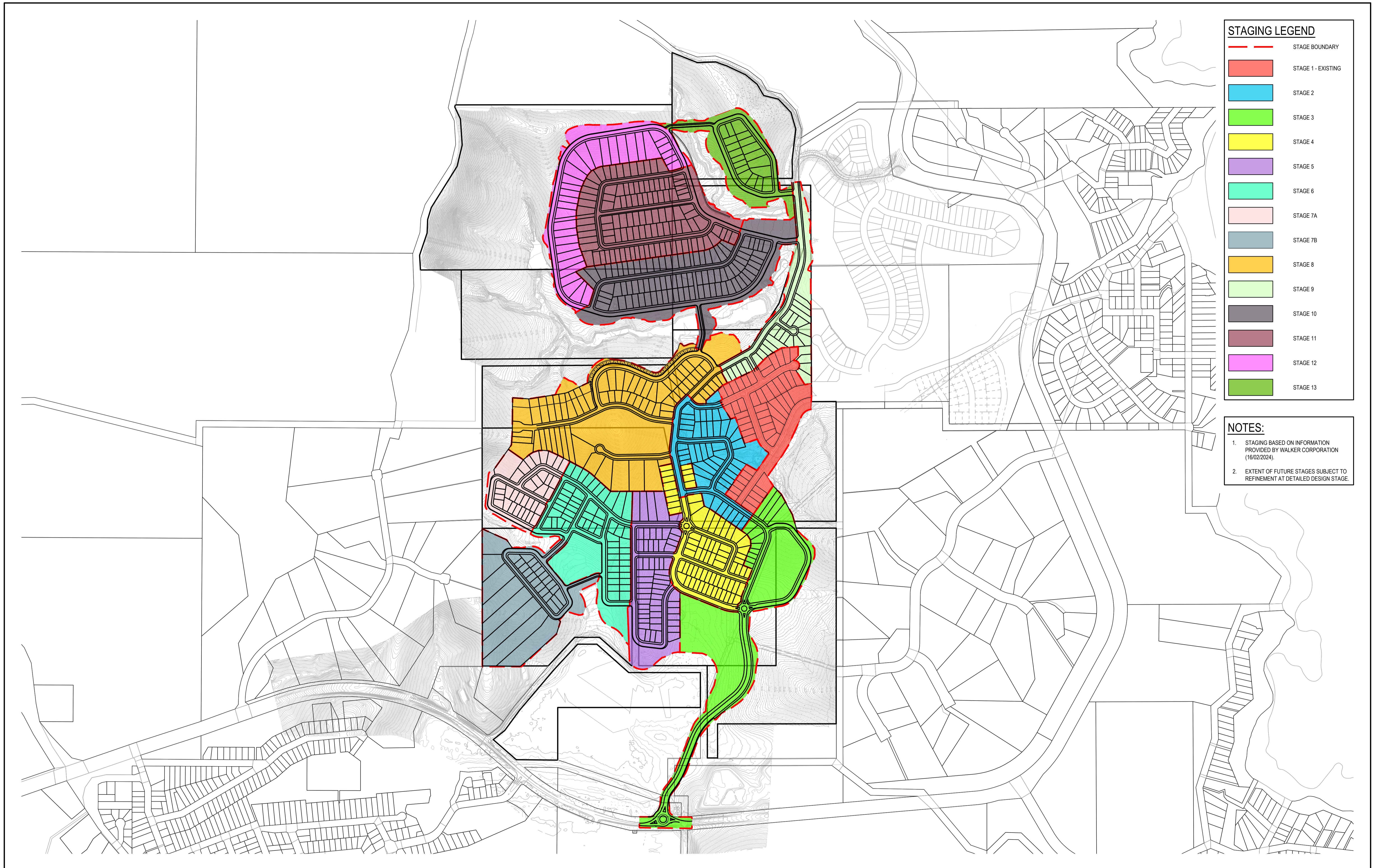
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Datum	MGA 2020			



STAGING LEGEND	
	STAGE BOUNDARY
	STAGE 1 - EXISTING
	STAGE 2
	STAGE 3
	STAGE 4
	STAGE 5
	STAGE 6
	STAGE 7A
	STAGE 7B
	STAGE 8
	STAGE 9
	STAGE 10
	STAGE 11
	STAGE 12
	STAGE 13

NOTES:

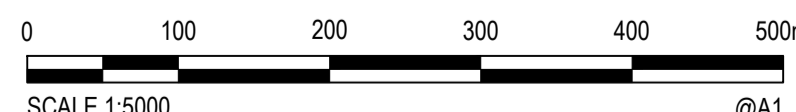
1. STAGING BASED ON INFORMATION PROVIDED BY WALKER CORPORATION (16/02/2024).
2. EXTENT OF FUTURE STAGES SUBJECT TO REFINEMENT AT DETAILED DESIGN STAGE.

REV.	DATE	DESCRIPTION	CB	EZ	MTL
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Project
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CIVIL ENGINEERING WORKS

Title
CONTEXT-STAGING PLAN

Scale
1:5000

Date
R.I.P

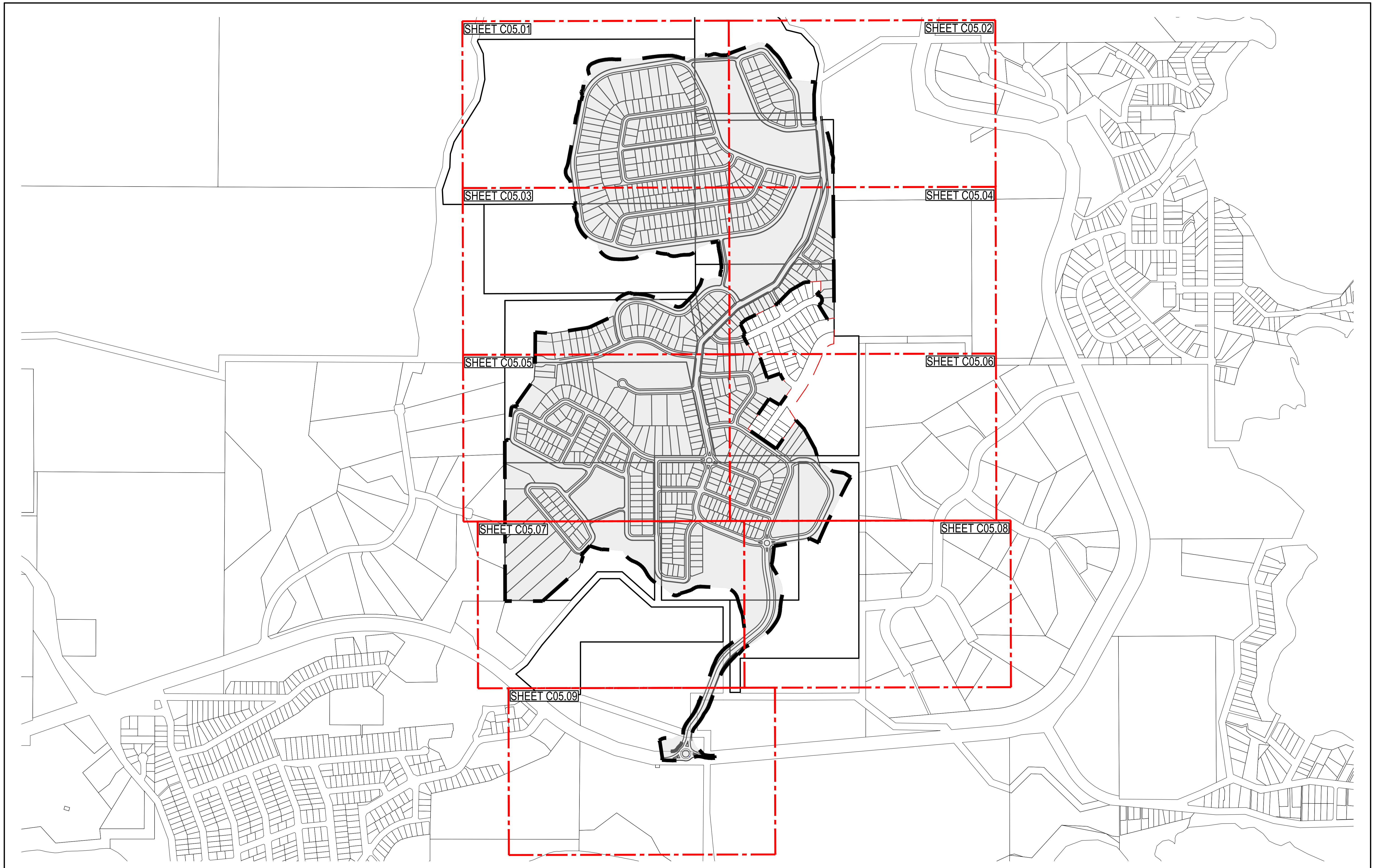
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Datum
MGA 2020

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210123-00-C-C01.31

Revision
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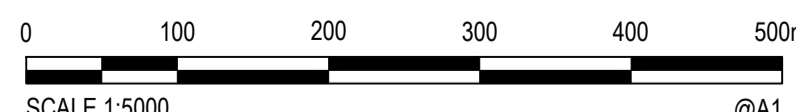


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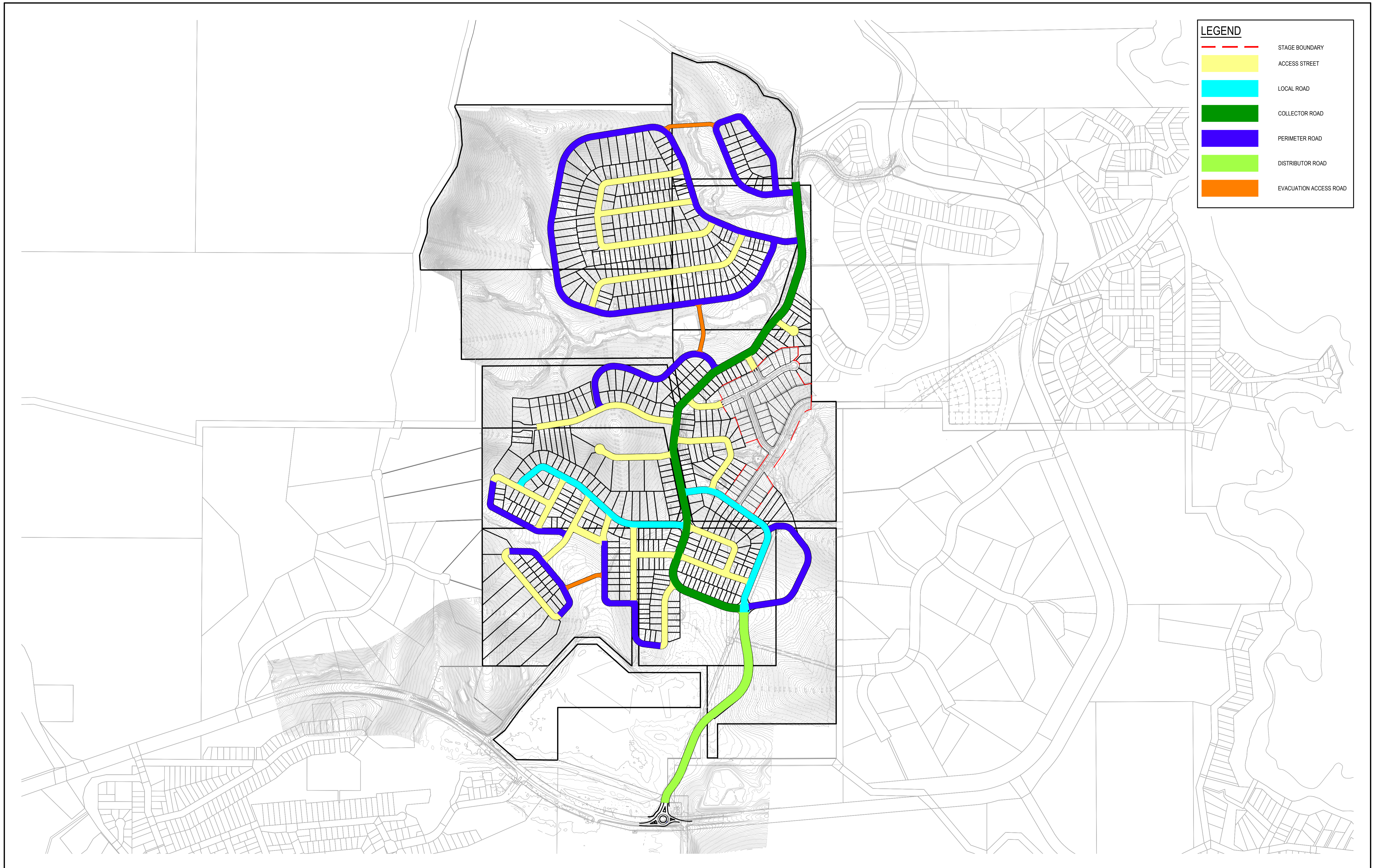



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Title
GENERAL ARRANGEMENT PLAN

Scale 1:5000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C01.41
Size A1	Revision 1
Datum MGA 2020	



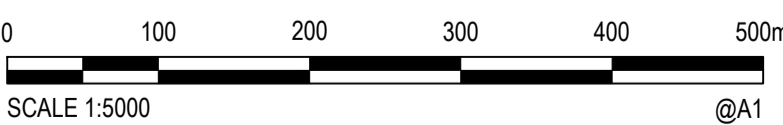
LEGEND	
	STAGE BOUNDARY
	ACCESS STREET
	LOCAL ROAD
	COLLECTOR ROAD
	PERIMETER ROAD
	DISTRIBUTOR ROAD
	EVACUATION ACCESS ROAD

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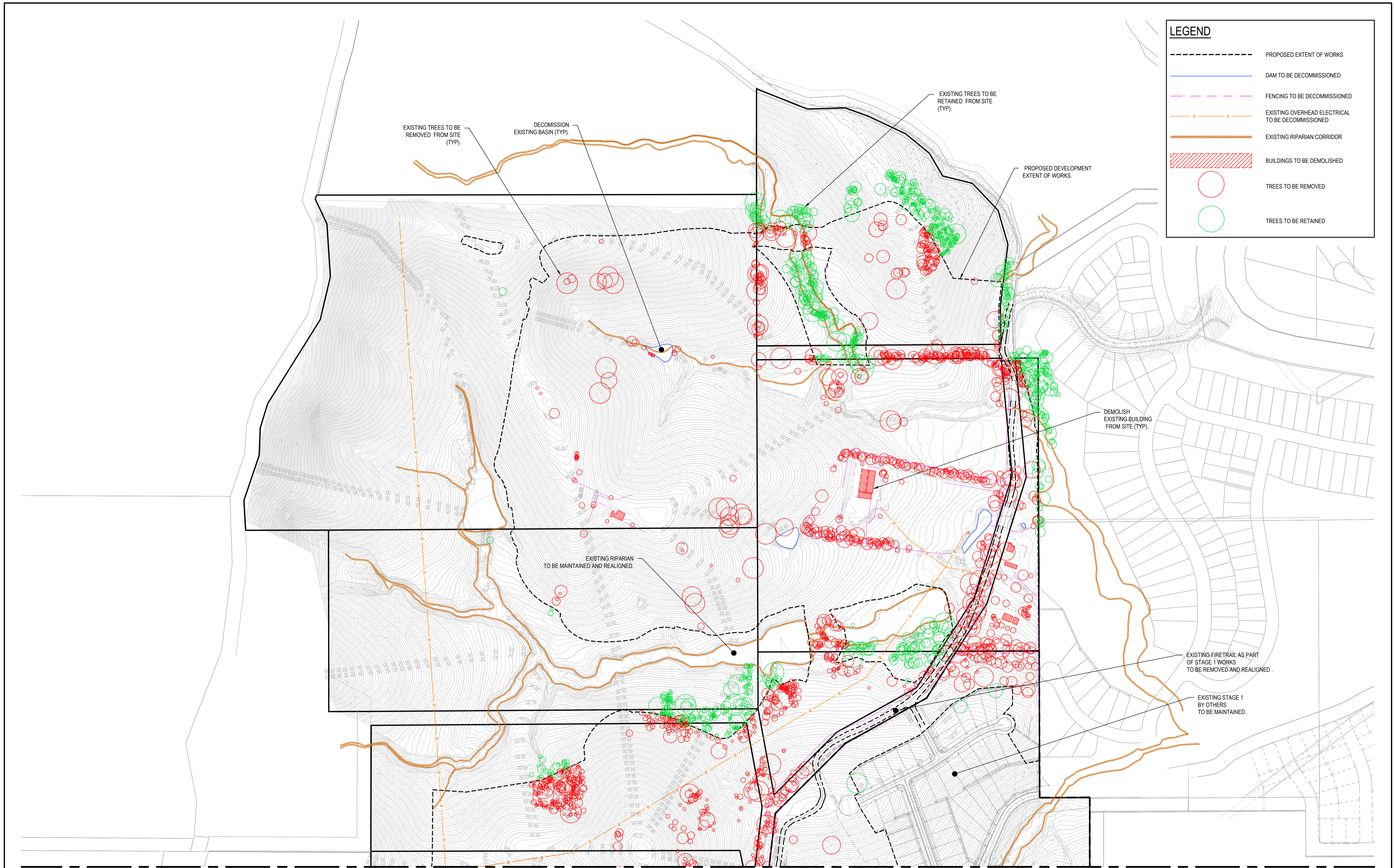



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Title
ROAD HIERARCHY PLAN

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Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C01.51
Datum MGA 2020	Revision 1



LEGEND	
	PROPOSED EXTENT OF WORKS
	DAM TO BE DECOMMISSIONED
	FENCING TO BE DECOMMISSIONED
	EXISTING OVERHEAD ELECTRICAL TO BE DECOMMISSIONED
	EXISTING RIPARIAN CORRIDOR
	BUILDINGS TO BE DEMOLISHED
	TREES TO BE REMOVED
	TREES TO BE RETAINED

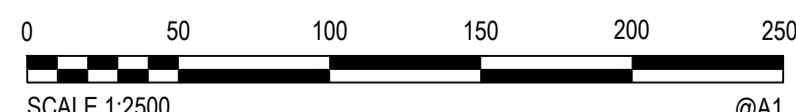
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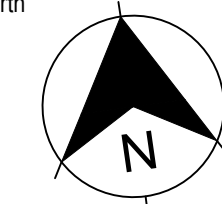


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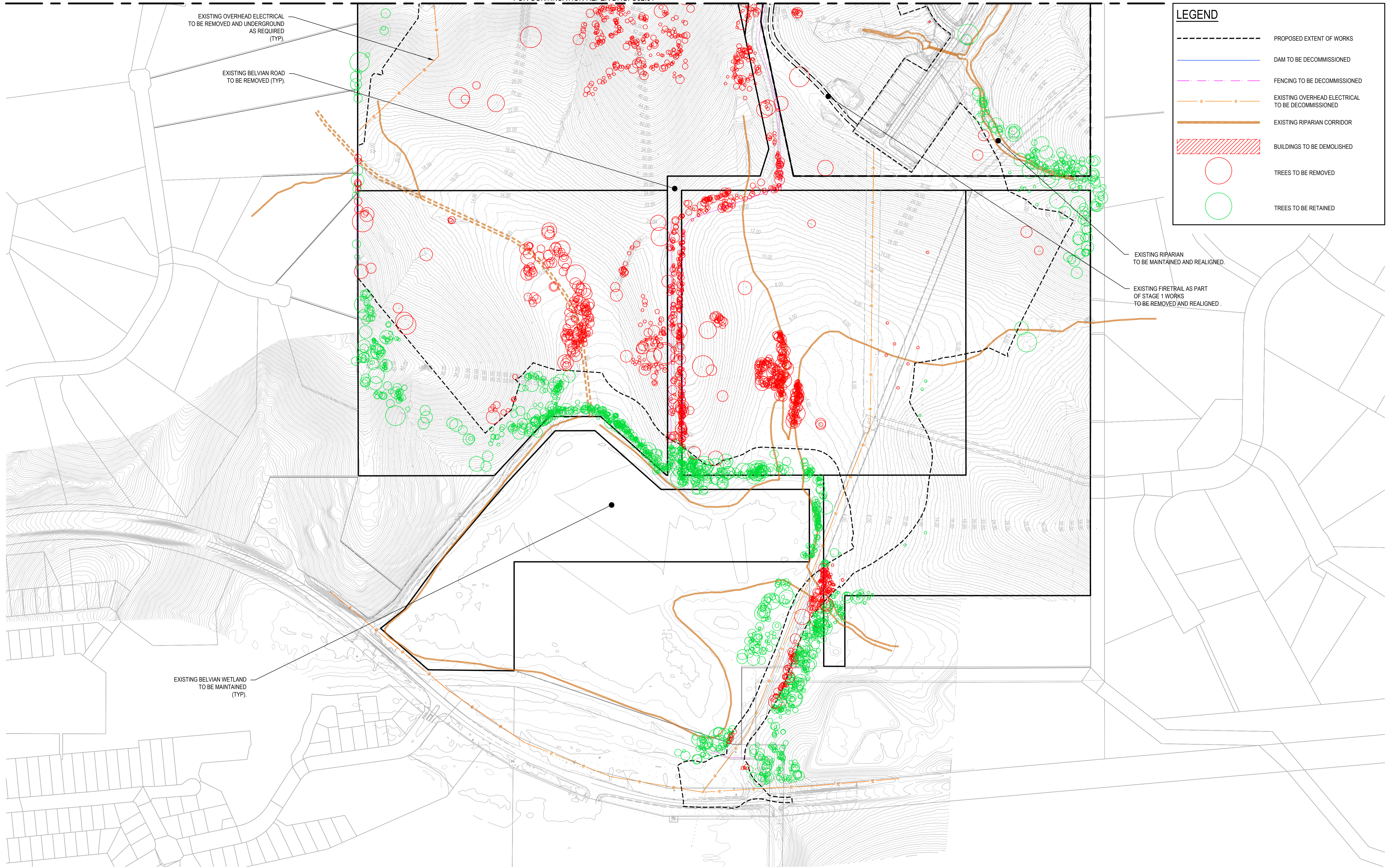
Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
EXISTING SITE CONDITIONS PLAN

SHEET 01

Scale 1:5000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C02.01
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FOR CONTINUATION REFER DRG: C02.01



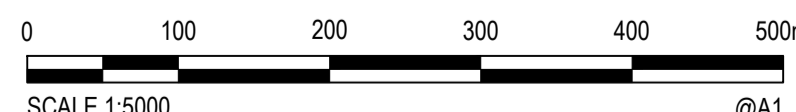
LEGEND	
	PROPOSED EXTENT OF WORKS
	DAM TO BE DECOMMISSIONED
	FENCING TO BE DECOMMISSIONED
	EXISTING OVERHEAD ELECTRICAL TO BE DECOMMISSIONED
	EXISTING RIPARIAN CORRIDOR
	BUILDINGS TO BE DEMOLISHED
	TREES TO BE REMOVED
	TREES TO BE RETAINED

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Title
EXISTING SITE CONDITIONS PLAN

SHEET 02

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Date R.I.P	Project Number/Drawing Number 210123-00-C-C02.02
Size A1	Revision 1
Datum MGA 2020	

LEGEND	
	SEDIMENT FENCE (SD 6-8) REFER TO DRG. C03.21 FOR DETAIL
	CATCH DRAIN REFER TO DRG. C03.21 FOR DETAIL



1. Erosion Hazard and Sediment Basins

Site Name:
 Site Location: 73 Bevia Road, Rosedale
 Precinct/Stage:
 Other Details:

Site area	Sub-catchment or Name of Structure						Notes
	A	B	C	D	E	F	
Total catchment area (ha)	3.37	26.81	2.24	4.79	13.06	2.22	
Disturbed catchment area (ha)	3.37	26.81	2.24	4.79	13.06	2.22	

Soil analysis (enter sediment type if known, or laboratory particle size data)							
Sediment Type (C, F or D) if known:	D	D	D	D	D	D	From Appendix C (if known)
% sand (fraction 0.02 to 2.00 mm)							Enter the percentage of each soil fraction. E.g. enter 10 for 10%
% silt (fraction 0.002 to 0.02 mm)							
% clay (fraction finer than 0.002 mm)							
Dispersion percentage							E.g. enter 10 for dispersion of 10%
% of whole soil dispersible							See Section 6.3.3(e). Auto-calculated
Soil Texture Group	D	D	D	D	D	D	Automatic calculation from above

Rainfall data							
Design rainfall depth (no of days)	5	5	5	5	5	5	
Design rainfall depth (percentile)	85	85	85	85	85	85	See Section 6.3.4 and, particularly, Table 6.3 on pages 6-24 and 6-25.
x-day, y-percentile rainfall event (mm)	37.4	37.4	37.4	37.4	37.4	37.4	
Rainfall R-factor (if known)							
IFD: 2-year, 6-hour storm (if known)	10.1	10.1	10.1	10.1	10.1	10.1	Only need to enter one or the other here


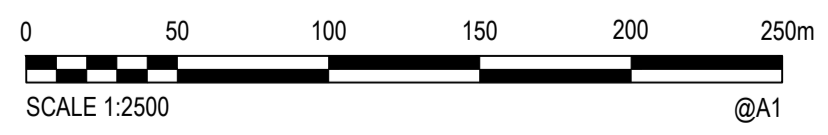
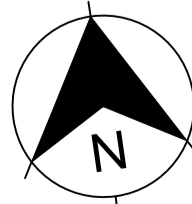

RUSLE Factors							
Rainfall erosivity (R-factor)	2250	2250	2250	2250	2250	2250	Auto-filled from above
Soil erodibility (K-factor)	0.04	0.04	0.04	0.04	0.04	0.04	
Slope length (m)	80	80	80	80	80	80	
Slope gradient (%)	11	8	5	9	11	21	RUSLE LS factor calculated for a high hill/interrill ratio.
Length/gradient (LS-factor)	3.25	2.05	1.19	2.37	3.25	7.77	
Erosion control practice (P-factor)	1.3	1.3	1.3	1.3	1.3	1.3	
Ground cover (C-factor)	1	1	1	1	1	1	

Sediment Basin Design Criteria (for Type D/F basins only. Leave blank for Type C basins)							
Storage (soil) zone design (no of months)	2	2	2	2	2	2	Minimum is generally 2 months
Cv (Volumetric runoff coefficient)	0.64	0.64	0.64	0.64	0.64	0.64	See Table F2, page F-4 in Appendix F

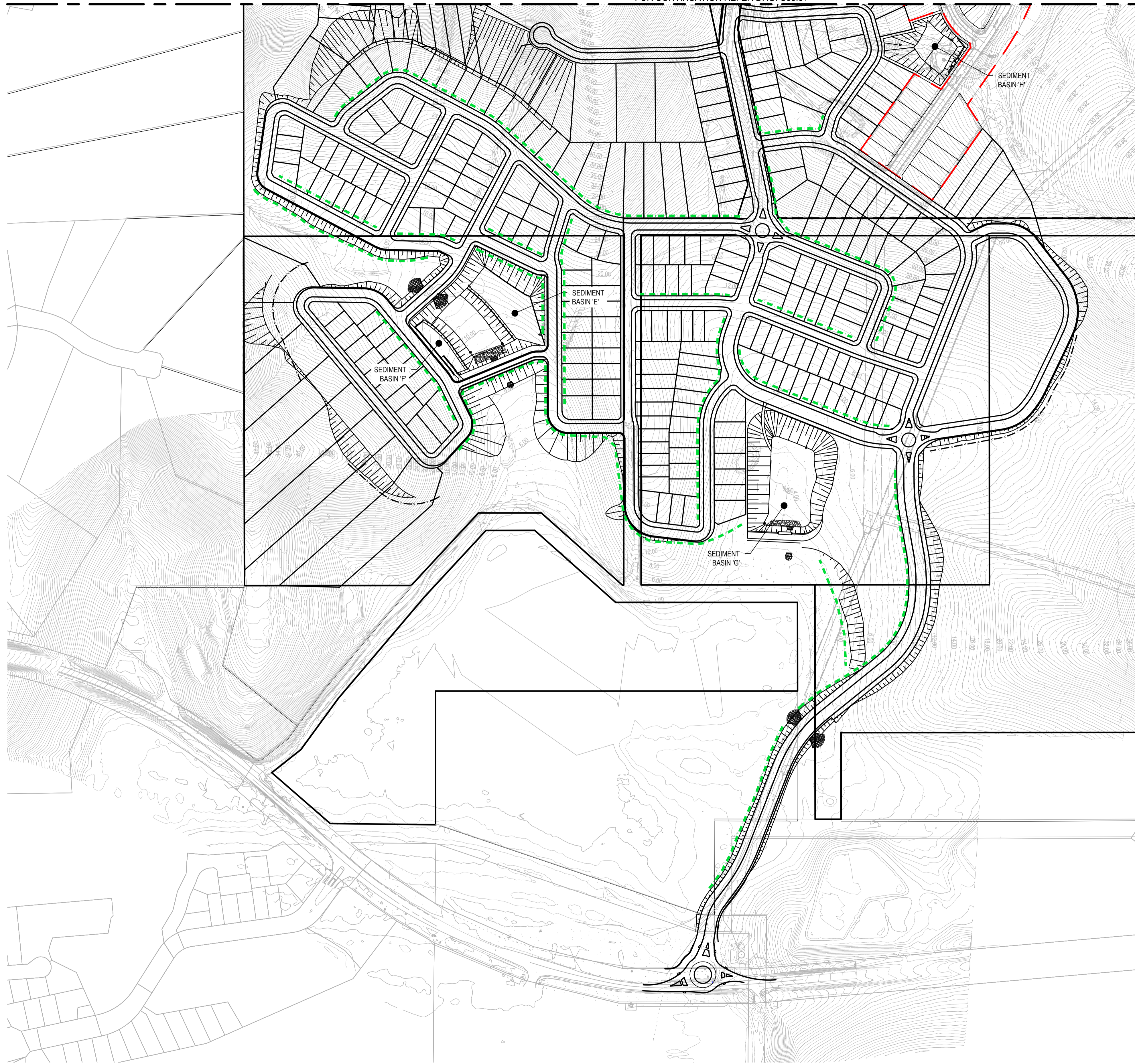
Calculations and Type D/F Sediment Basin Volumes							
Soil loss (t/ha/yr)	381	240	139	277	381	909	
Soil Loss Class	4	3	1	3	4	6	See Table 4.2, page 4-13
Soil loss (m ³ /ha/yr)	293	185	107	213	293	699	Conversion to cubic metres
Sediment basin storage (soil) volume (m ³)	164	825	40	170	637	259	See Sections 6.3.4(i) for calculations
Sediment basin settling (water) volume (m ³)	807	6417	536	1147	3126	531	See Sections 6.3.4(i) for calculations
Sediment basin total volume (m ³)	971	7242	576	1317	3763	790	

NB for sizing of Type C (coarse) sediment basins, see Worksheet 3 (if required).

FOR CONTINUATION REFER DRG: C03.02

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FOR CONTINUATION REFER DRG: C03.01



LEGEND	
	SEDIMENT FENCE (SD 6-8) REFER TO DRG. C03.21 FOR DETAIL
	CATCH DRAIN REFER TO DRG. C03.21 FOR DETAIL

1. Erosion Hazard and Sediment Basins

Site Name:
 Site Location: 73 Bevia Road, Rosedale
 Precinct/Stage:
 Other Details:

Site area	Sub-catchment or Name of Structure		Notes
	G	H	
Total catchment area (ha)	22.47	4.6	
Disturbed catchment area (ha)	22.47	4.6	

Soil analysis (enter sediment type if known, or laboratory particle size data)					
Sediment Type (C, F or D), if known:	D	D	D	D	From Appendix C (if known)
% sand (fraction 0.02 to 2.00 mm)					Enter the percentage of each soil fraction. E.g. enter 10 for 10%
% silt (fraction 0.002 to 0.02 mm)					
% clay (fraction finer than 0.002 mm)					E.g. enter 10 for dispersion of 10%
Dispersion percentage					See Section 6.3.3(e). Auto-calculated
% of whole soil dispersible					Automatic calculation from above
Soil Texture Group	D	D	D	D	

Rainfall data					
Design rainfall depth (no of days)	5	5			
Design rainfall depth (percentile)	85	85			See Section 6.3.4 and, particularly, Table 6.3 on pages 6-24 and 6-25.
x-day, y-percentile rainfall event (mm)	37.4	37.4			
Rainfall R-factor (if known)					Only need to enter one or the other here
IFD: 2-year, 6-hour storm (if known)	10.1	10.1			

RUSLE Factors					
Rainfall erosivity (R-factor)	2250	2250			Auto-filled from above
Soil erodibility (K-factor)	0.04	0.04			
Slope length (m)	80	80			
Slope gradient (%)	9	10			RUSLE LS factor calculated for a high hill/interill ratio.
Length/gradient (LS-factor)	2.37	2.81			
Erosion control practice (P-factor)	1.3	1.3	1.3	1.3	1.3
Ground cover (C-factor)	1	1	1	1	1

Sediment Basin Design Criteria (for Type D/F basins only. Leave blank for Type C basins)					
Storage (soil) zone design (no of months)	2	2			Minimum is generally 2 months
Cv (Volumetric runoff coefficient)	0.64	0.64			See Table F2, page F-4 in Appendix F

Calculations and Type D/F Sediment Basin Volumes					
Soil loss (t/ha/yr)	277	328			
Soil Loss Class	3	3			See Table 4.2, page 4-13
Soil loss (m ³ /ha/yr)	213	253			Conversion to cubic metres
Sediment basin storage (soil) volume (m ³)	798	194			See Sections 6.3.4(i) for calculations
Sediment basin settling (water) volume (m ³)	5378	1101			See Sections 6.3.4(i) for calculations
Sediment basin total volume (m ³)	6176	1295			

NB for sizing of Type C (coarse) sediment basins, see Worksheet 3 (if required).

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Project
 BEVIAN ROAD
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 CIVIL ENGINEERING WORKS

Title
 EROSION AND SEDIMENTATION
 CONTROL PLAN
 SHEET 02

Scale
 1:2500

Date
 R.I.P

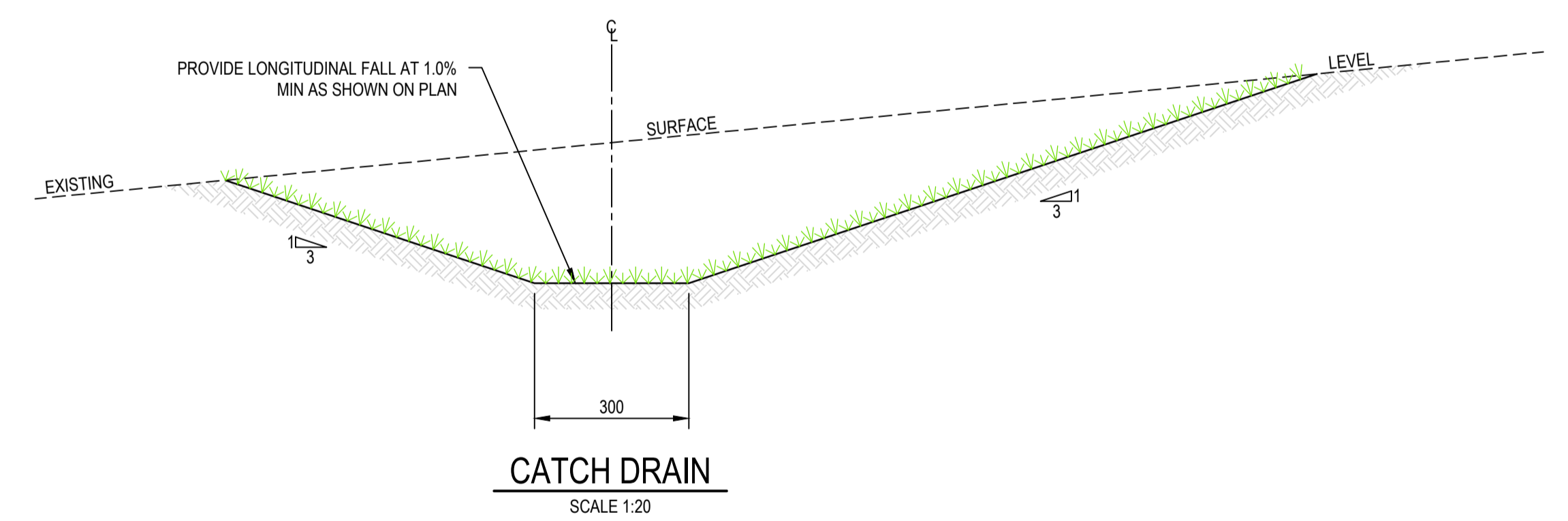
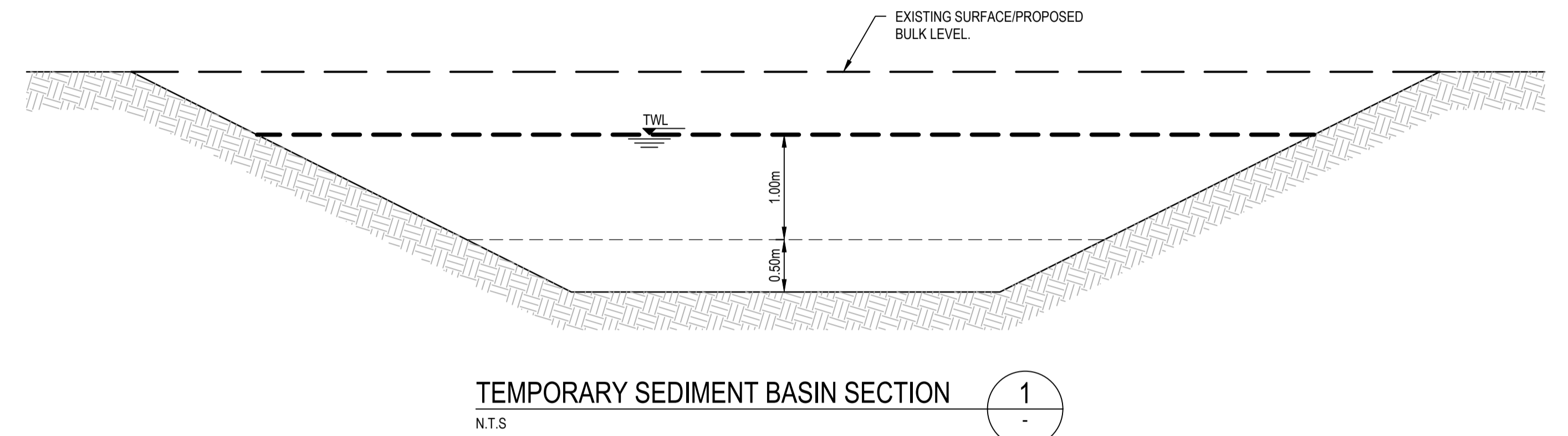
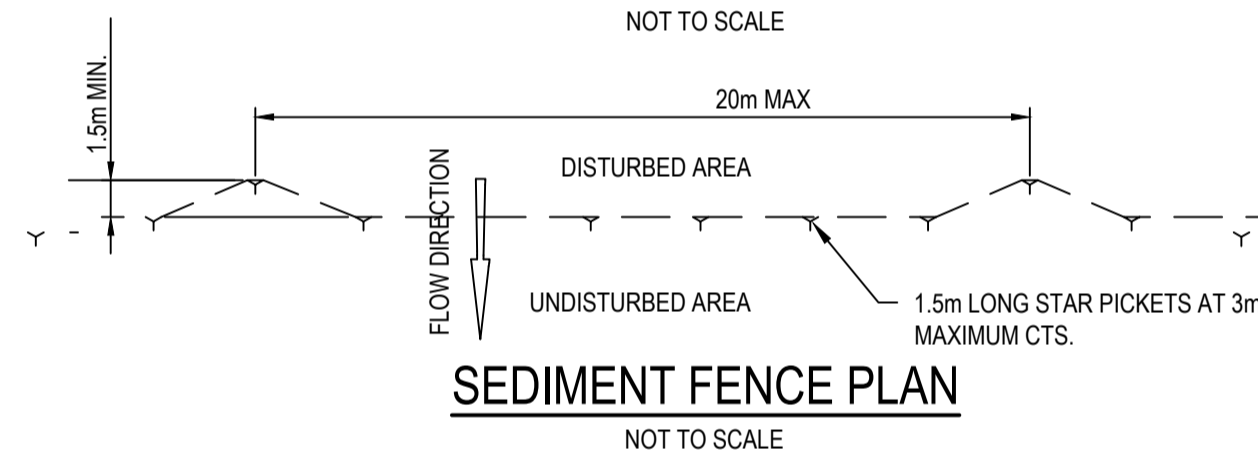
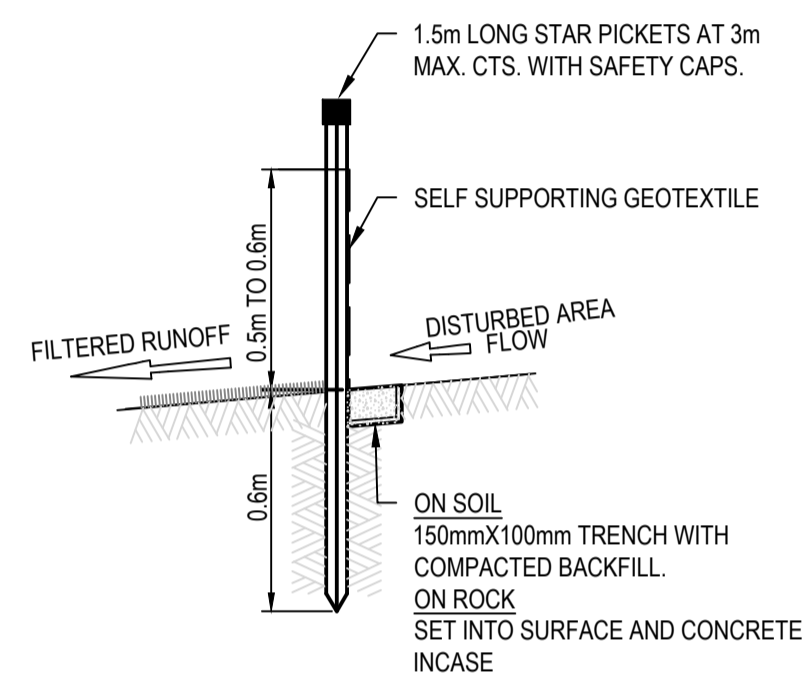
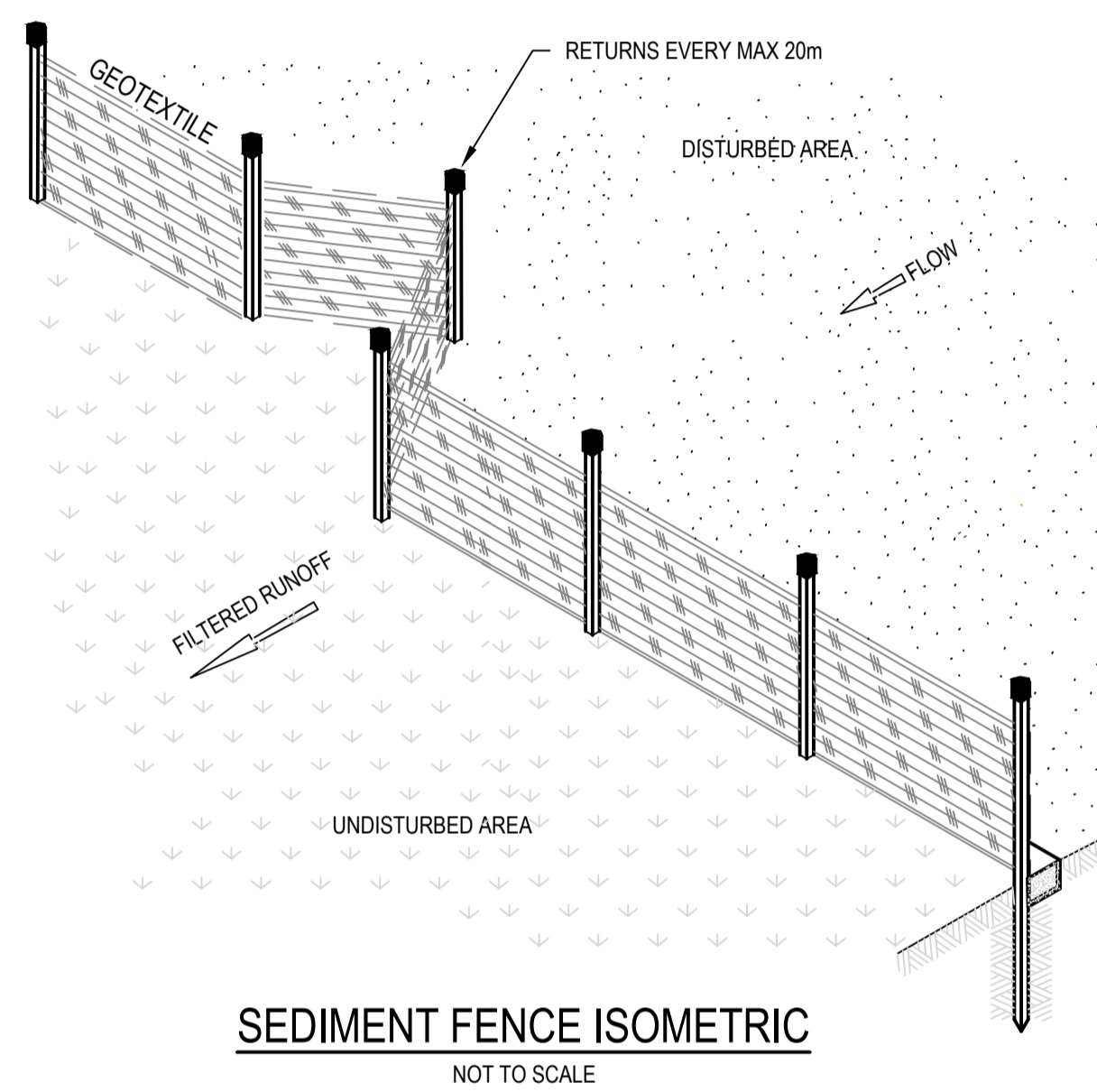
Size
 A1

Datum
 MGA 2020

Status
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Project Number/Drawing Number
210123-00-C-C03.02

Revision
1



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Scale

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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
EROSION AND SEDIMENTATION
CONTROL DETAILS

Scale N.T.S	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C03.21
Datum MGA 2020	Revision 1



LEGEND

[Red]	GREATER THAN 7.0m CUT
[Orange]	6.0m TO 7.0m CUT
[Yellow-Orange]	5.0m TO 6.0m CUT
[Yellow]	4.0m TO 5.0m CUT
[Light Orange]	3.0m TO 4.0m CUT
[Light Red]	2.0m TO 3.0m CUT
[Pink]	1.0m TO 2.0m CUT
[Light Pink]	0.0m TO 1.0m CUT
[Light Green]	0.0m TO 1.0m FILL
[Green]	1.0m TO 2.0m FILL
[Dark Green]	2.0m TO 3.0m FILL
[Blue-Green]	3.0m TO 4.0m FILL
[Blue]	4.0m TO 5.0m FILL
[Dark Blue]	GREATER THAN 5.0m FILL

NOTES


- NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS. NOTE ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND MAY NOT REFLECT DETAILED EARTHWORKS.
- NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS, ie SERVICE TRENCHING, DETAILED EXCAVATION AND THE LIKE.
- APPROXIMATE BULK EARTHWORKS VALUES AS FOLLOWS:
 CUT 1,097.715m³
 FILL 1,058.616m³
 BALANCE 39.099m³ (EXPORT)
- VOLUMES BASED ON:
 TOPSOIL STRIP 200mm

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			
			DRN	DES.	VERIF
				APPD	

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Scale



SCALE 1:5000 @A1

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Project
 BEVIAN ROAD
 ROSEDALE NSW 2536
 CIVIL ENGINEERING WORKS

Title
 BULK EARTHWORKS
 CUT AND FILL PLAN

Scale
 1:5000

Date
 R.I.P

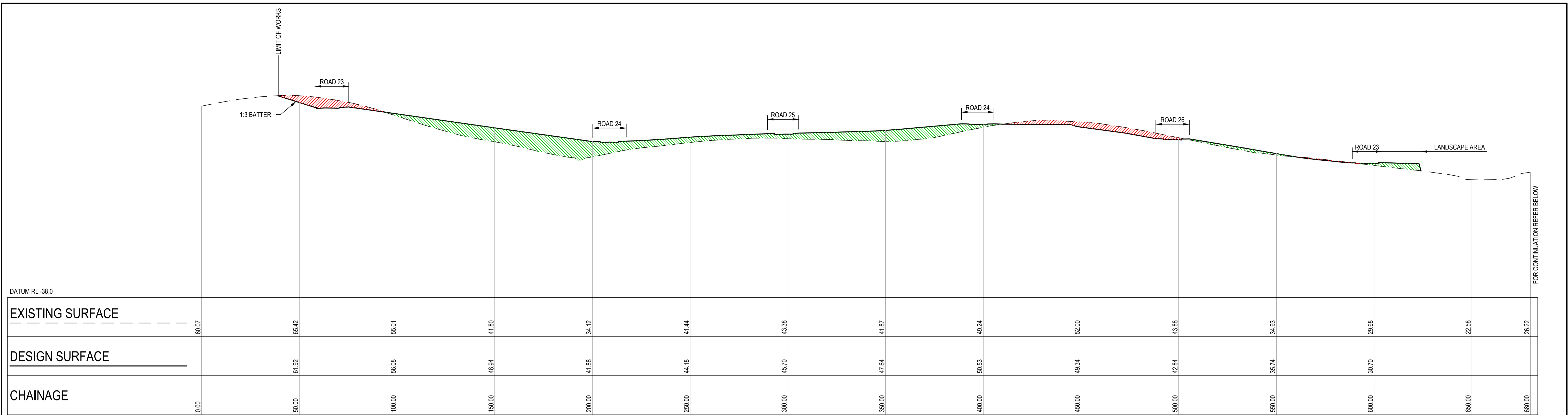
Size
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Datum
 MGA 2020

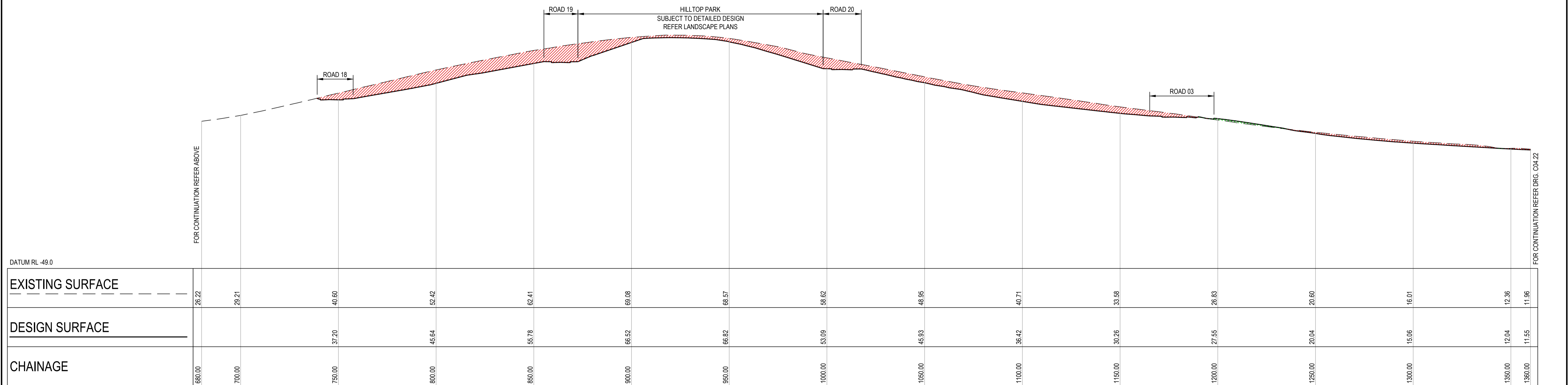
Status
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Project Number/Drawing Number
210123-00-C-C04.01

Revision
1



CUT AND FILL SECTION 1
 SCALE 1:1000
 SCALR 1:1000
 C04.01



CUT AND FILL SECTION 1
 SCALE 1:1000
 SCALR 1:1000
 C04.01

REV	DATE	DESCRIPTION	DRN	DES.	VERIF	APPD
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

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Scale

SCALE 1:1000 @A1

North

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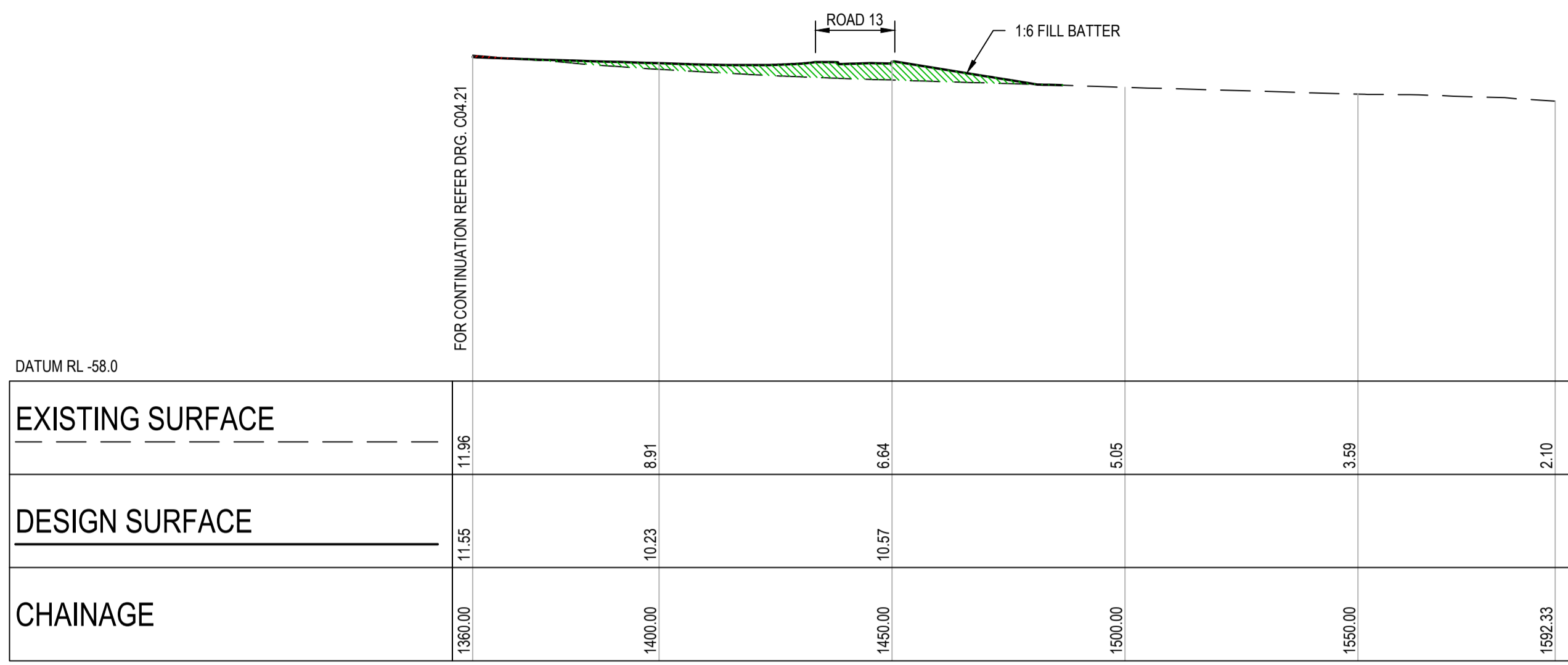
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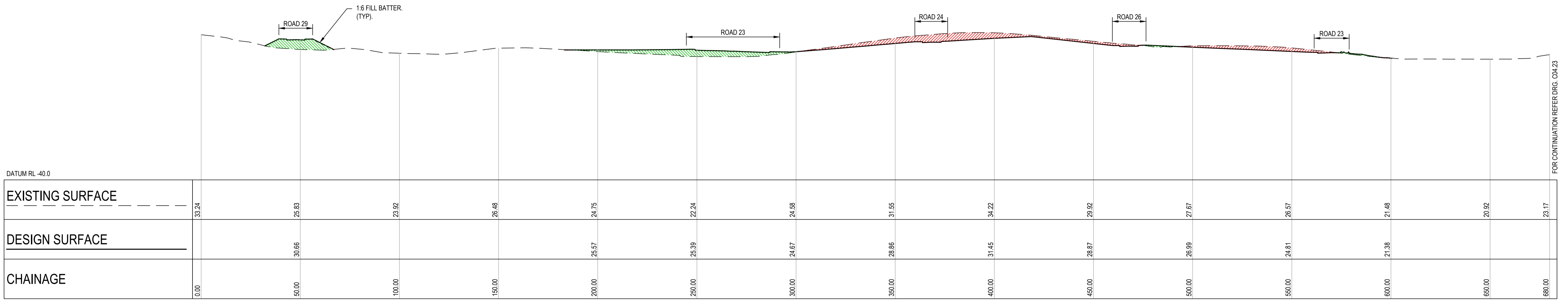
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 SITE SECTIONS

SHEET 01

Scale 1:1000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C04.21
Datum MGA 2020	Revision 1



CUT AND FILL SECTION 1
 SCALE 1:1000
 SCALR 1:1000



CUT AND FILL SECTION 2
 SCALE 1:1000
 SCALR 1:1000

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			

Client

Scale

SCALE 1:1000 @A1

North

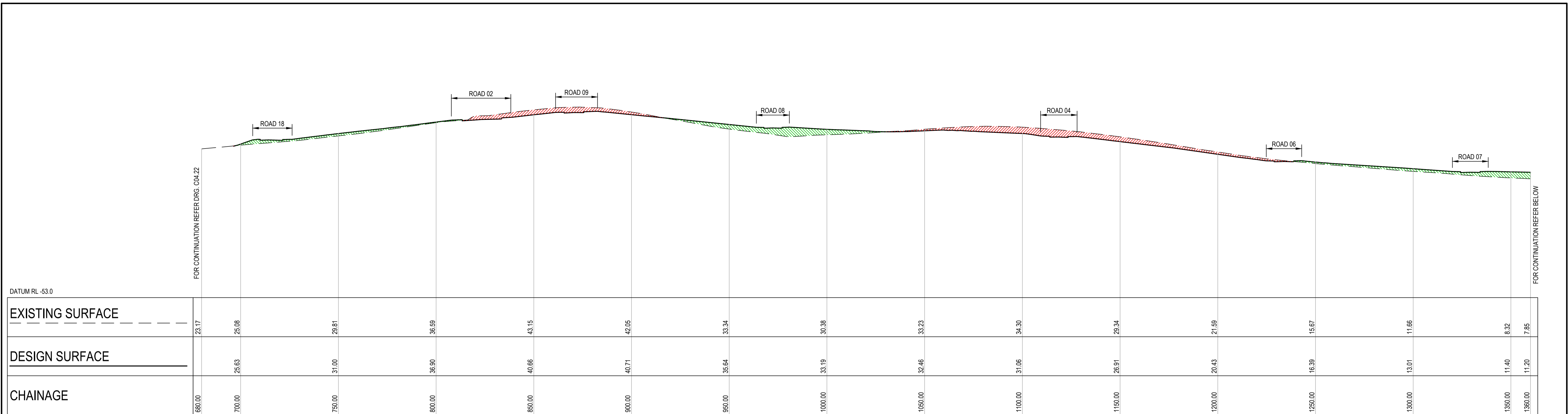
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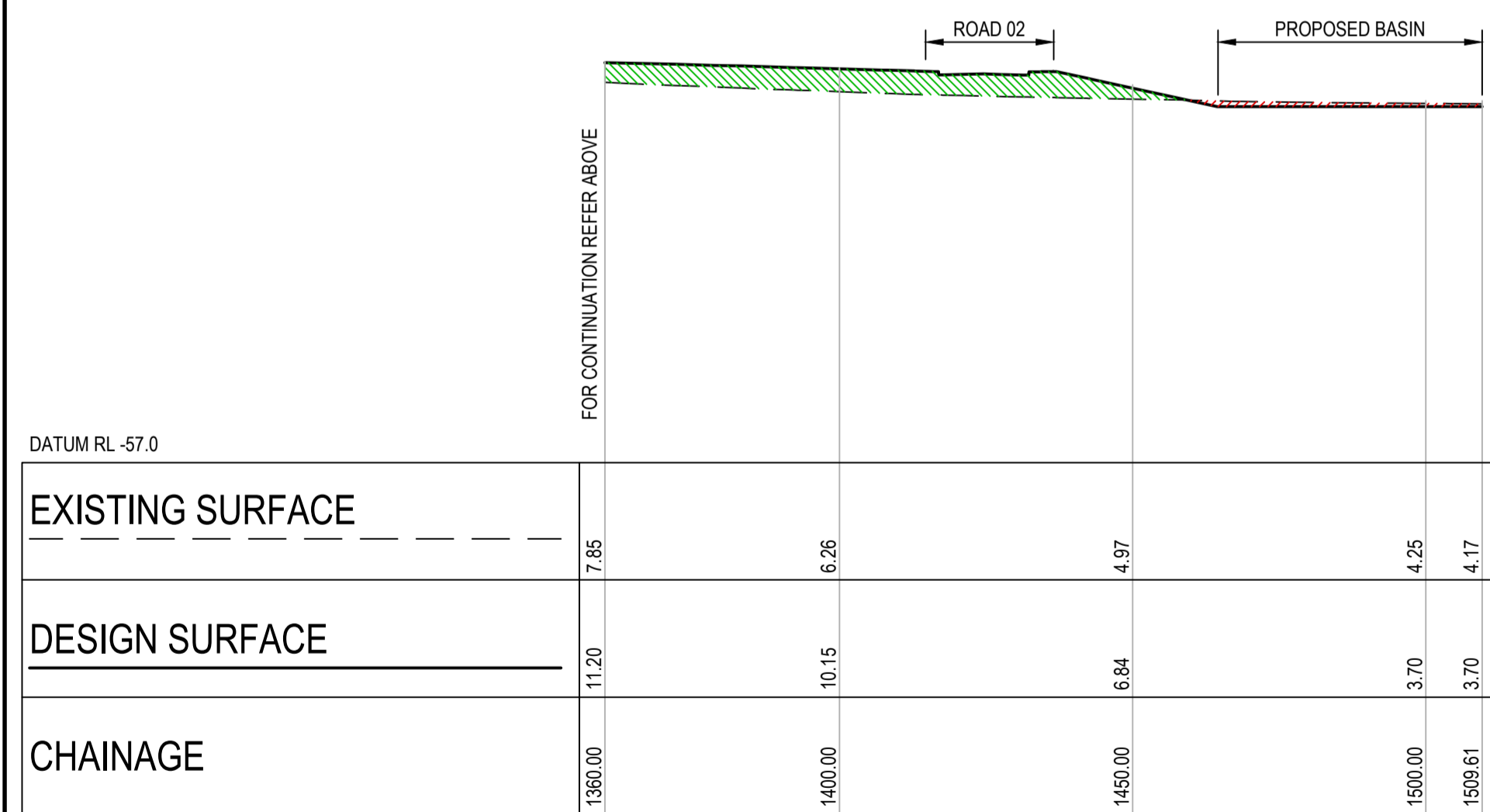
Title
 SITE SECTIONS

SHEET 02

Scale 1:1000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C04.22
Datum MGA 2020	Revision 1



CUT AND FILL SECTION 2
 SCALE 1:1000
 SCALR 1:1000
 C04.01



CUT AND FILL SECTION 2
 SCALE 1:1000
 SCALR 1:1000
 C04.01

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Client

Scale

North

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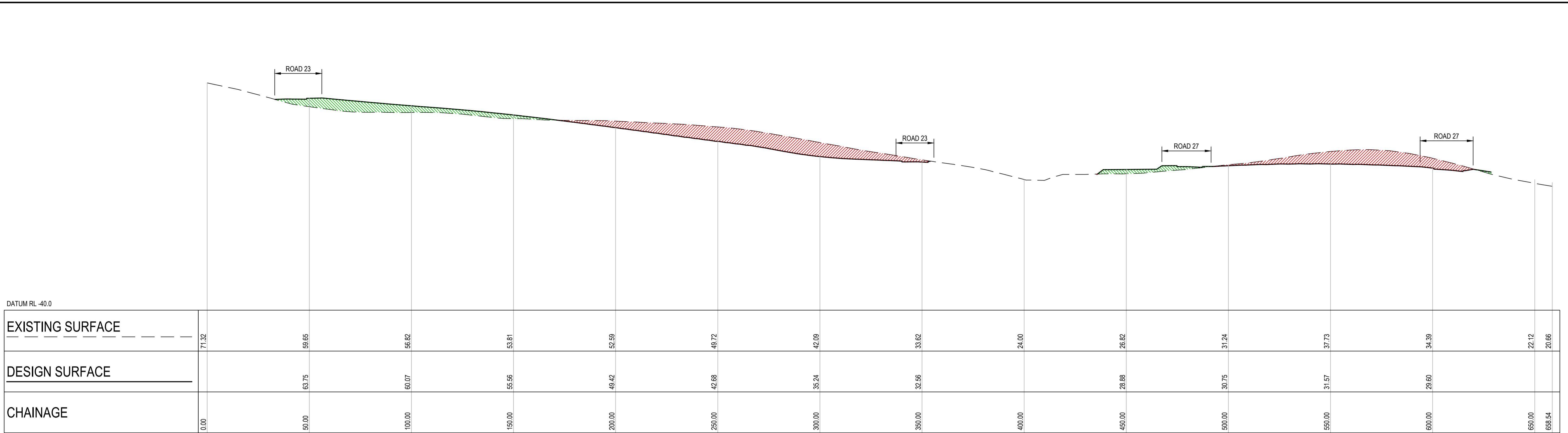
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Project
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 CIVIL ENGINEERING WORKS

Title
 SITE SECTIONS

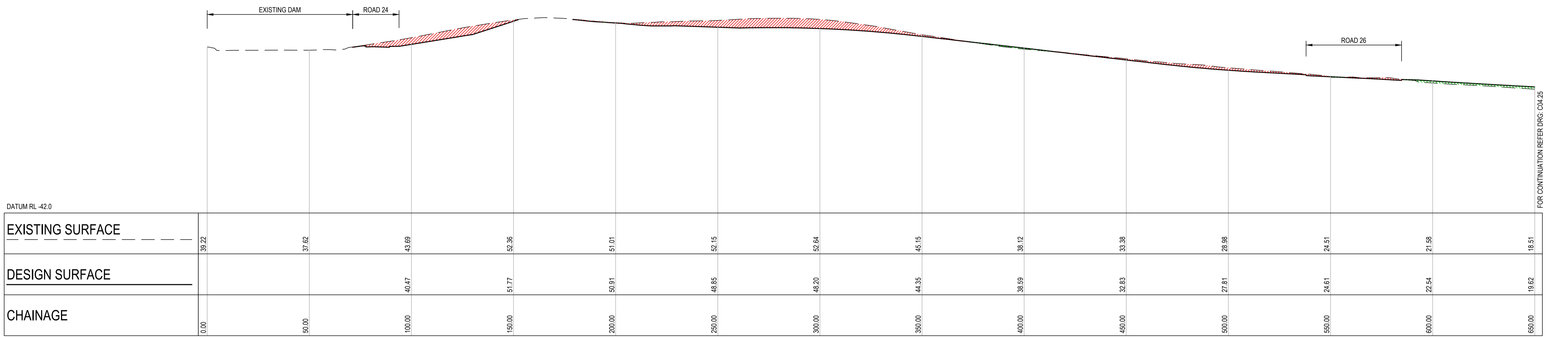
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Scale 1:1000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C04.23
Datum MGA 2020	Revision 1



CUT AND FILL SECTION 3
 SCALE 1:1000
 SCALR 1:1000

3
C04.01



CUT AND FILL SECTION 4
 SCALE 1:1000
 SCALR 1:1000

4
C04.01

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			

Client

Scale

SCALE 1:1000 @A1

North

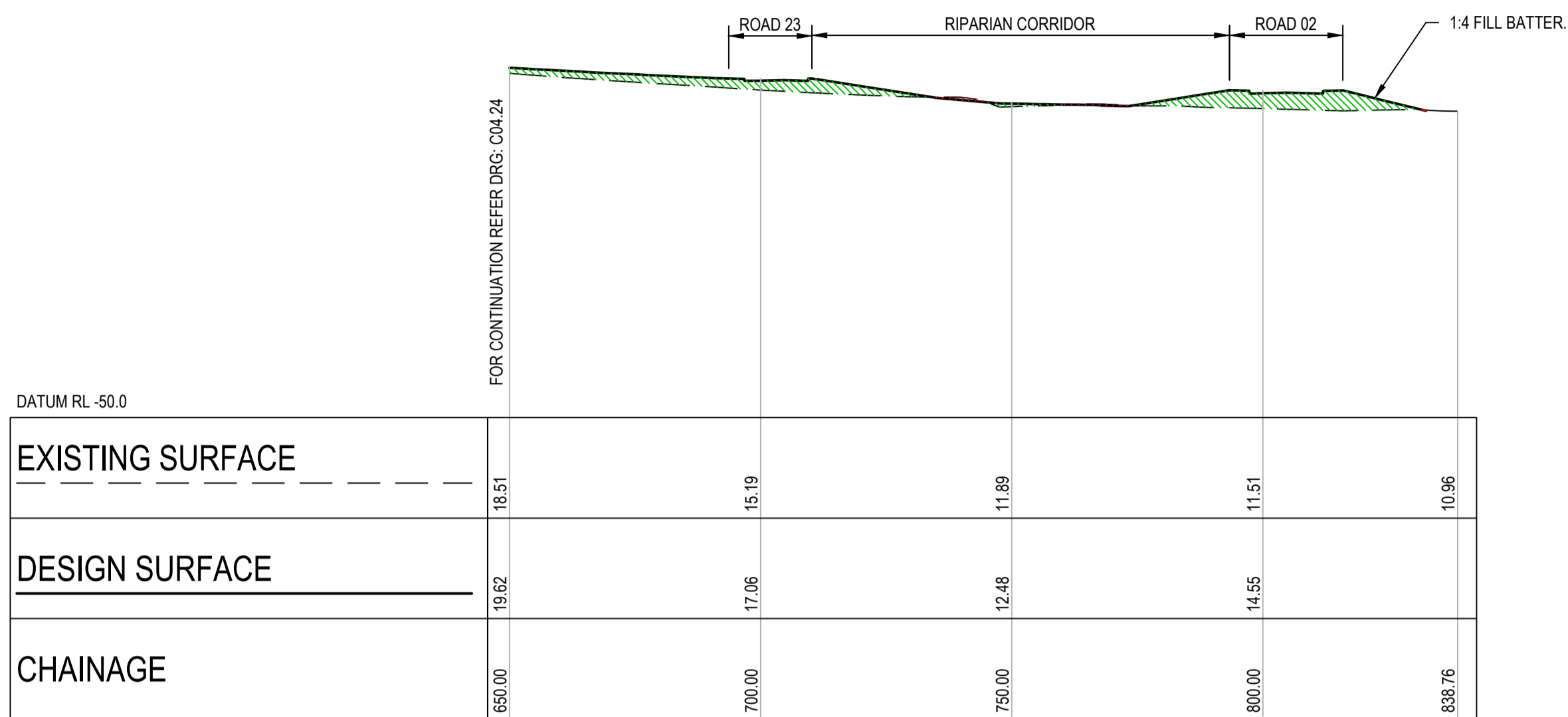
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Project
 BEVIAN ROAD
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 CIVIL ENGINEERING WORKS

Title
 SITE SECTIONS

SHEET 04

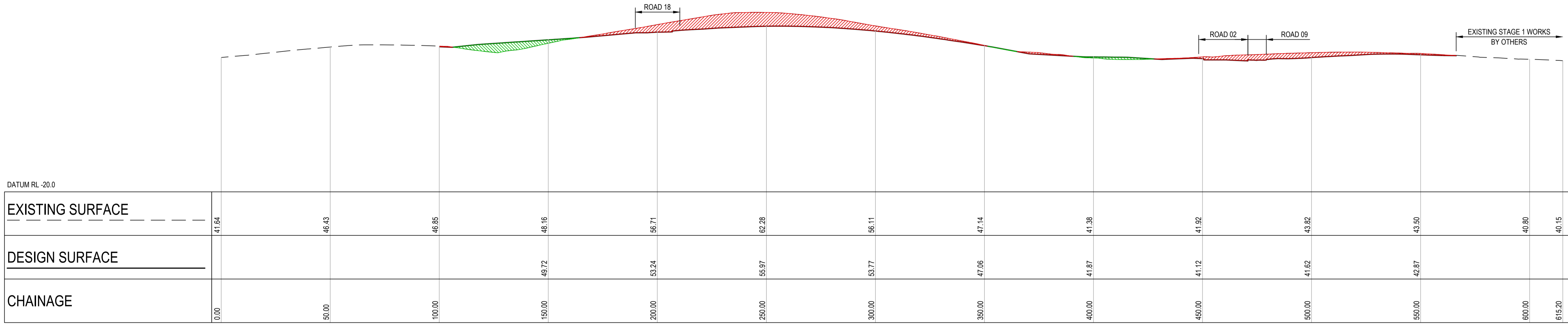
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Date R.I.P	
Size A1	
Datum MGA 2020	
Project Number/Drawing Number 210123-00-C-C04.24	
Revision 1	



EXISTING SURFACE	18.51	15.19	11.89	11.51	10.96
DESIGN SURFACE	19.62	17.06	12.48	14.55	
CHAINAGE	650.00	700.00	750.00	800.00	838.76

CUT AND FILL SECTION 4
 SCALE 1:1000
 SCALR 1:1000

4
 C04.01

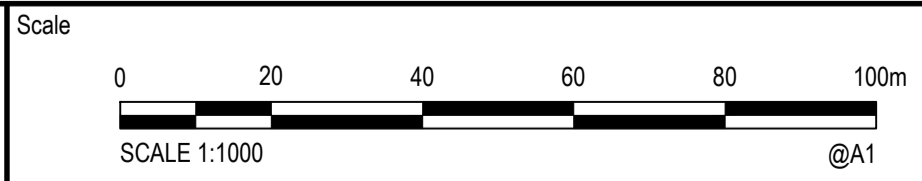


EXISTING SURFACE	41.64	46.43	46.85	48.16	56.71	62.28	56.11	47.14	41.38	41.92	43.82	43.50	40.80	40.15
DESIGN SURFACE				49.72	53.24	55.97	53.77	47.06	41.87	41.12	41.62	42.87		
CHAINAGE	0.00	50.00	100.00	150.00	200.00	250.00	300.00	350.00	400.00	450.00	500.00	550.00	600.00	615.20

CUT AND FILL SECTION 5
 SCALE 1:1000
 SCALR 1:1000

5
 C04.01

Client					
Scale	1:1000				
Date	R.I.P				
Size	A1				
Datum	MGA 2020				
Project	BEVIAN ROAD ROSEDALE NSW 2536 CIVIL ENGINEERING WORKS				
Title	SITE SECTIONS				
SHEET 05					
Project Number/Drawing Number	210123-00-C-C04.25				
Revision	1				



North



Project
 BEVIAN ROAD
 ROSEDALE NSW 2536
 CIVIL ENGINEERING WORKS

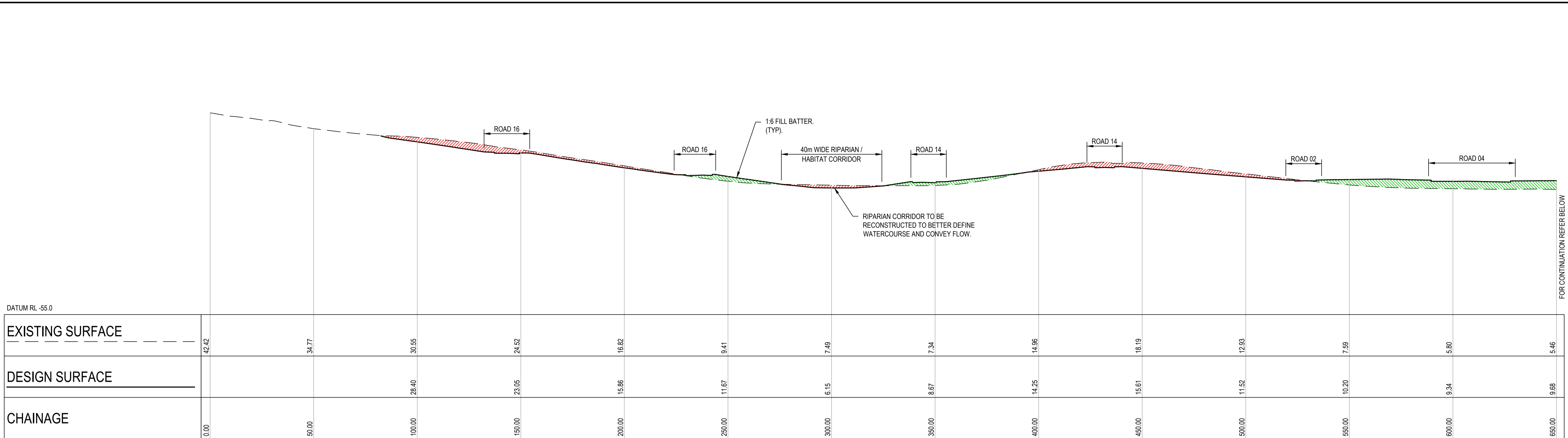
Title
 SITE SECTIONS

SHEET 05

Scale	1:1000	Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date	R.I.P	Project Number/Drawing Number	210123-00-C-C04.25
Size	A1	Revision	1
Datum	MGA 2020		

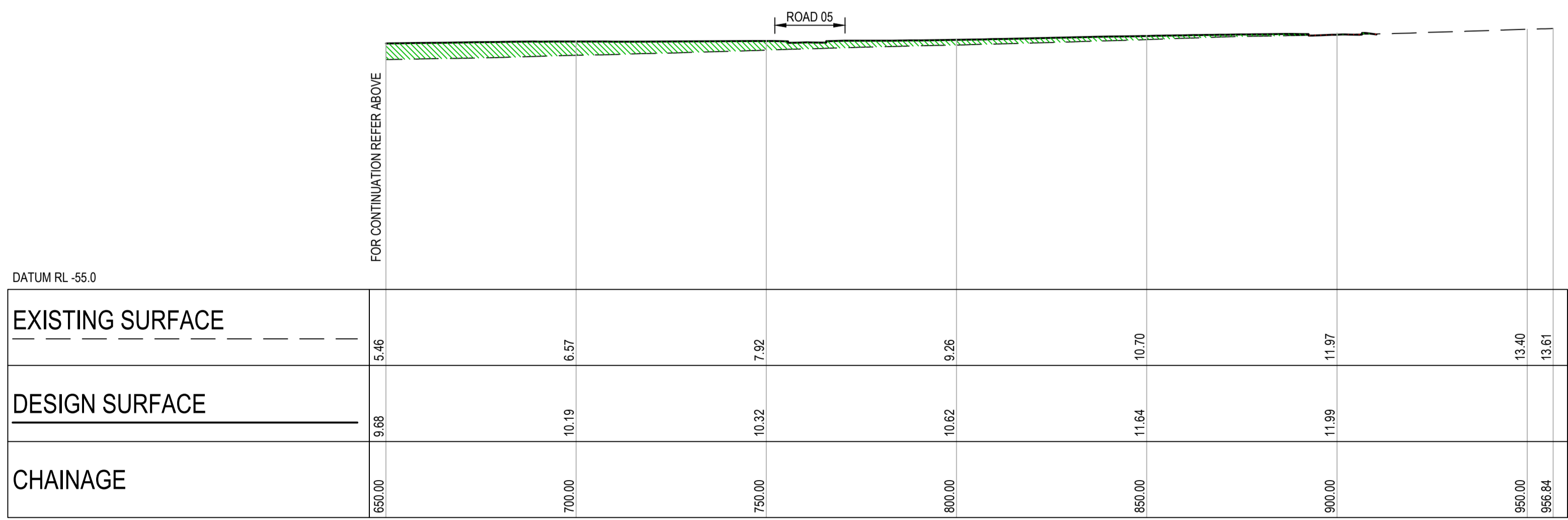
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REV.	DATE	DESCRIPTION	DRN	DES.	VERIF. APPD.

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CUT AND FILL SECTION 6
 SCALE 1:1000
 SCALR 1:1000

6
C04.01



CUT AND FILL SECTION 6
 SCALE 1:1000
 SCALR 1:1000

6
C04.01

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Project
 BEVIAN ROAD
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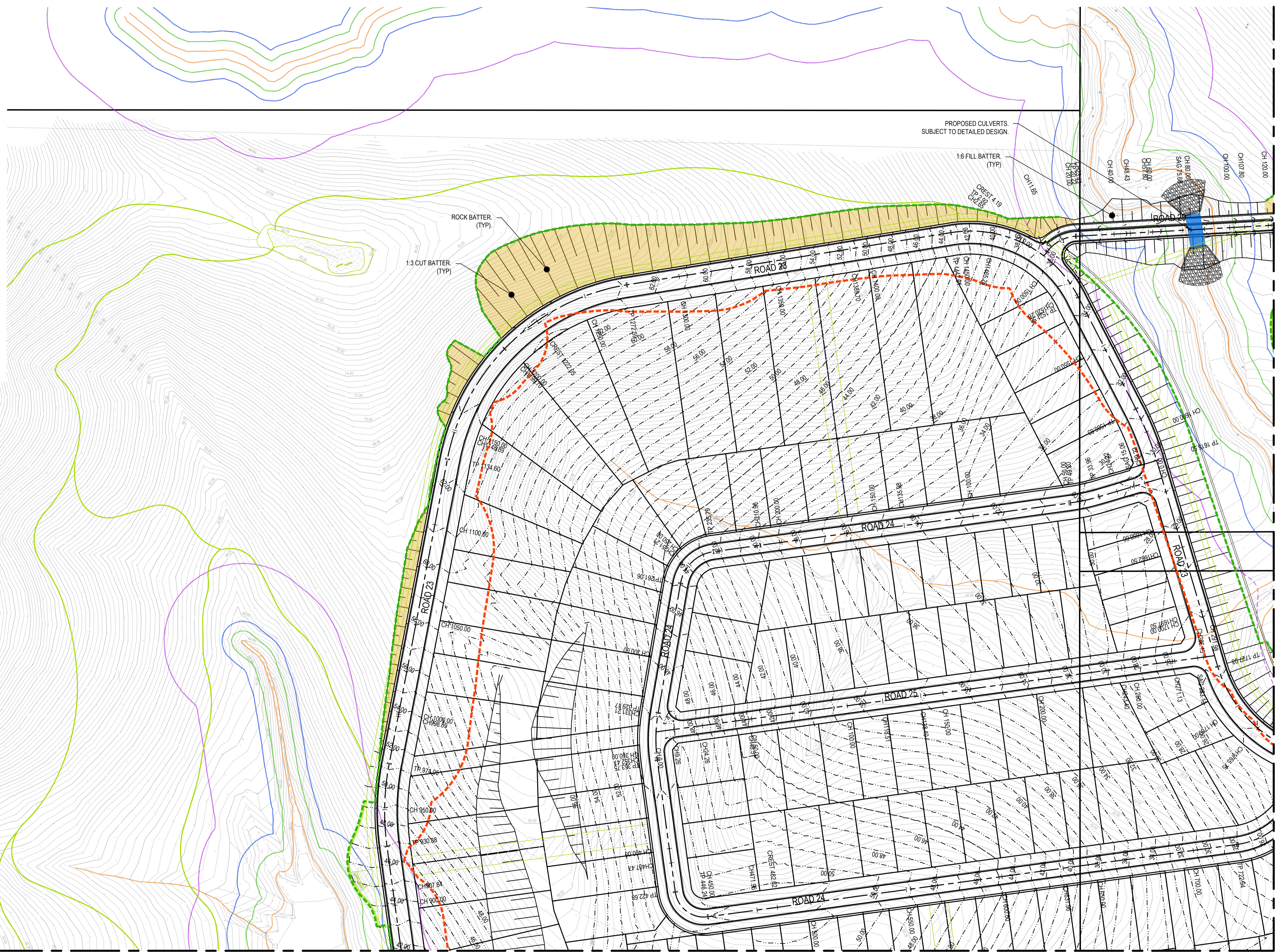
Title
 SITE SECTIONS

SHEET 06

Scale 1:1000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C04.26
Size A1	Revision 1
Datum MGA 2020	

LEGEND

- SITE BOUNDARY
- CONTOUR
- BATTER
- TEMPORARY DRAINAGE CHANEL
- OVERLAND FLOW
- SURFACE FALL
- STORMWATER TRUNK LINE
- VEGETATED RIPARIAN ZONE
- INNER 50% VRZ
- TOP OF BANK
- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- VEGETATION HAZARD
- PROPOSED RIPARIAN REALIGNMENT
- ROCK BATTER



FOR CONTINUATION REFER DRG: C05.03


FOR CONTINUATION REFER DRG: C05.02

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			
			DRN	DES.	VERIF.
					APPD.

Client

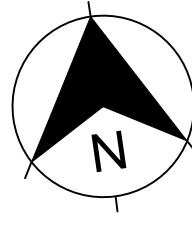


Scale



SCALE 1:1000 @A1

North




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Project
BEVIAN ROAD
ROSDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
SITWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 01

Scale
1:1000

Date
R.I.P

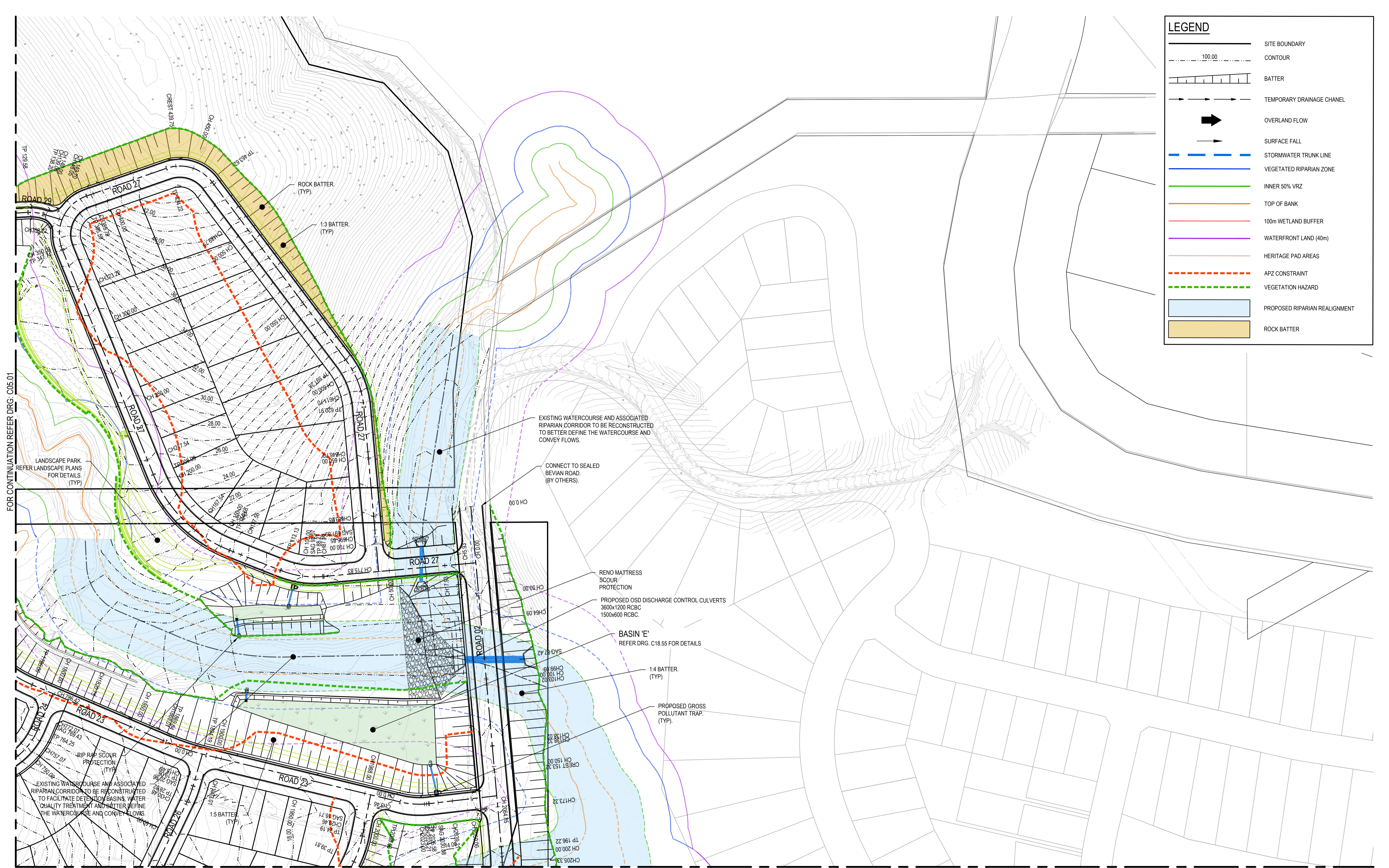
Size
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Datum
MGA 2020

Status
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Project Number/Drawing Number
210123-00-C-C05.01

Revision
1



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Scale

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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
SITWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 02

Scale
1:1000

Date
R.I.P

Size
A1

Datum
MGA 2020

Status
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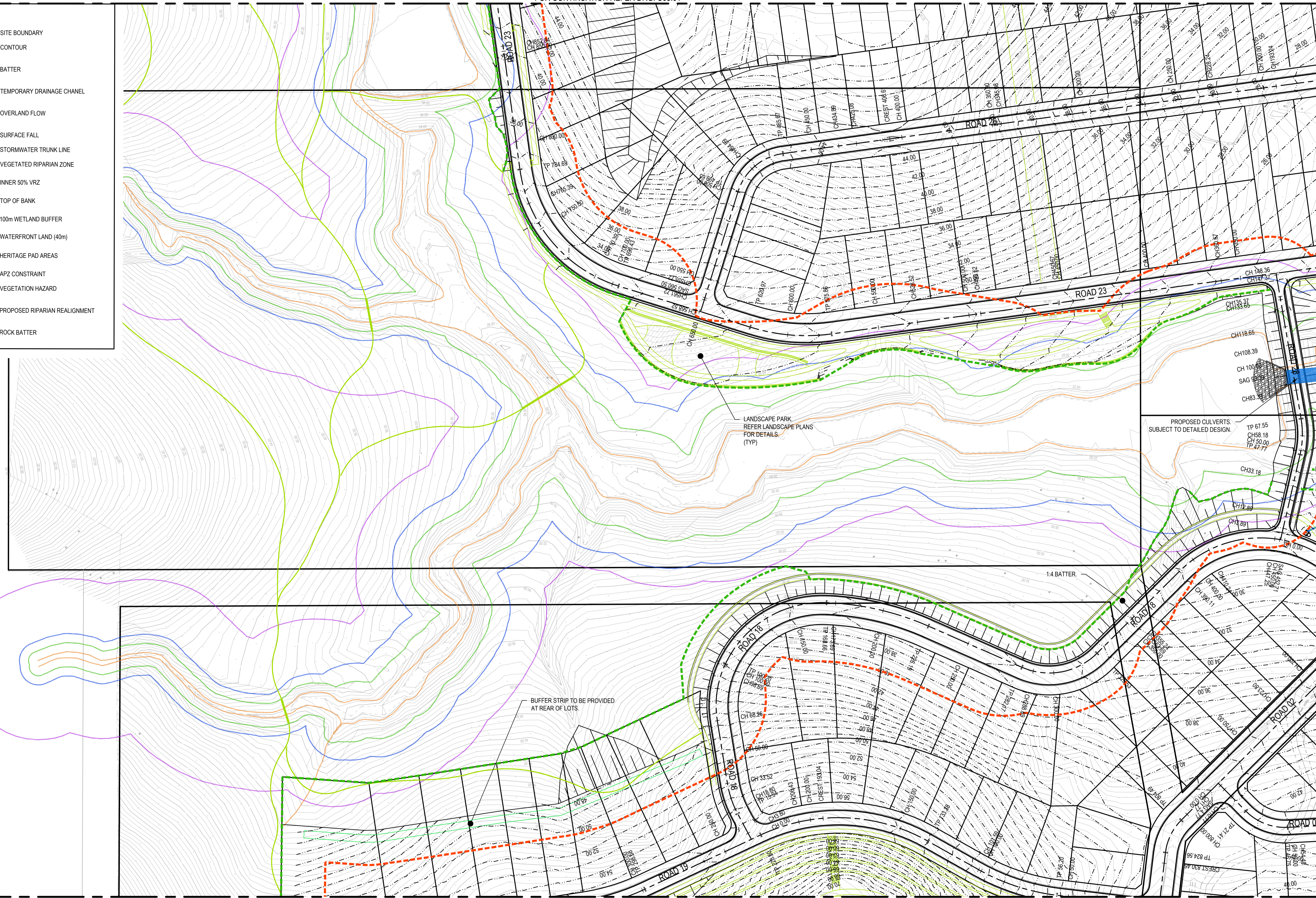
Project Number/Drawing Number
210123-00-C-C05.02

Revision
1

FOR CONTINUATION REFER DRG: C05.01

LEGEND

- 100.00 SITE BOUNDARY
- CONTOUR
- BATTER
- TEMPORARY DRAINAGE CHANEL
- OVERLAND FLOW
- SURFACE FALL
- STORMWATER TRUNK LINE
- VEGETATED RIPARIAN ZONE
- INNER 50% VRZ
- TOP OF BANK
- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- VEGETATION HAZARD
- PROPOSED RIPARIAN REALIGNMENT
- ROCK BATTER



FOR CONTINUATION REFER DRG: C05.05

REV.	DATE	DESCRIPTION	CB	EZ	MTL
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			DRN	DES.	VERIF. APPD.

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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
SITWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 03

Scale
1:1000

Date
R.I.P

Size
A1

Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
210123-00-C-C05.03

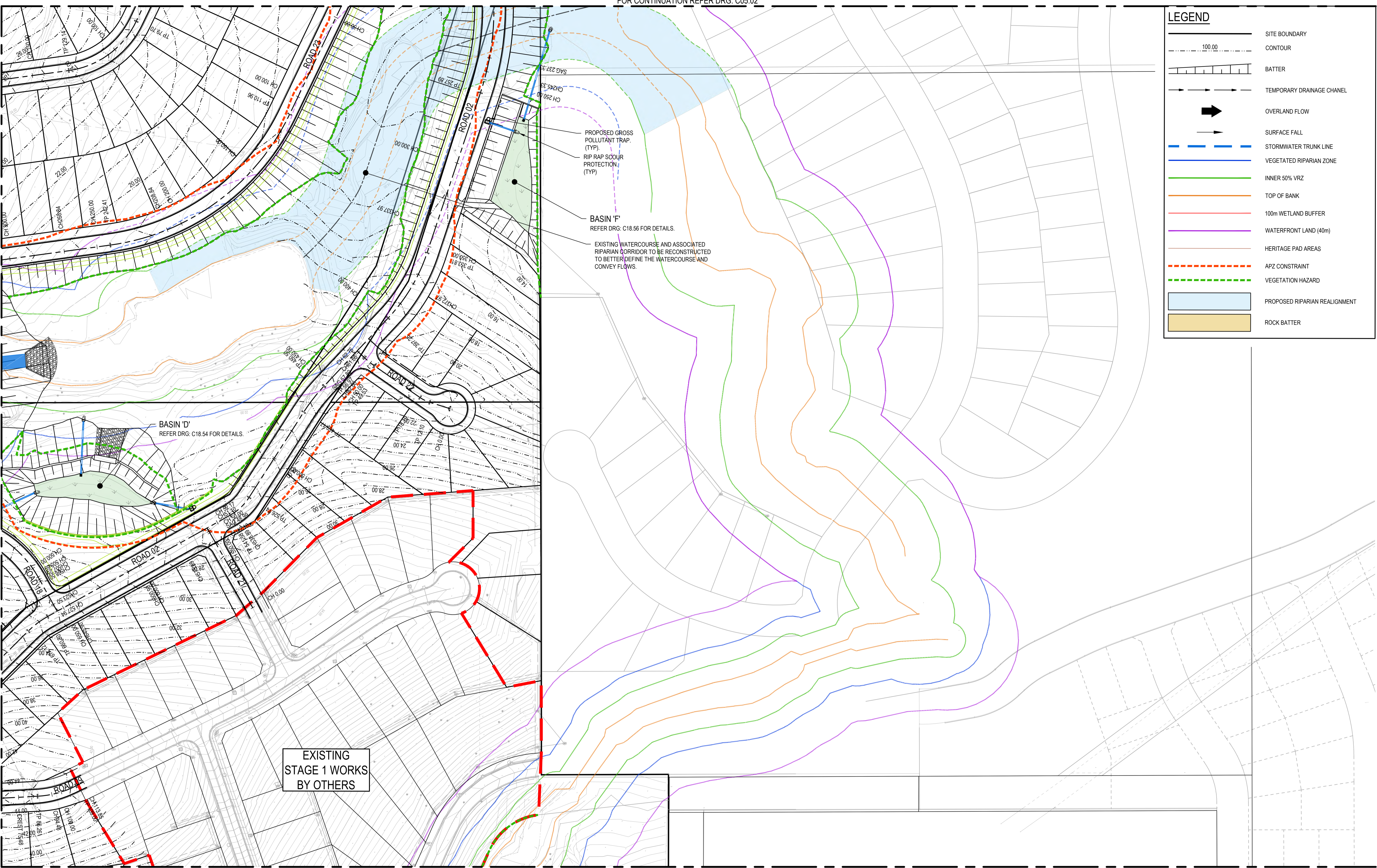
Revision
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FOR CONTINUATION REFER DRG: C05.04

DATE PLOTTED: 17 June 2024 5:44 PM BY: ELARIA ZAKI

FOR CONTINUATION REFER DRG: C05.02

FOR CONTINUATION REFER DRG: C05.03



LEGEND

- SITE BOUNDARY
- CONTOUR
- BATTER
- TEMPORARY DRAINAGE CHANEL
- OVERLAND FLOW
- SURFACE FALL
- STORMWATER TRUNK LINE
- VEGETATED RIPARIAN ZONE
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- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- VEGETATION HAZARD
- PROPOSED RIPARIAN REALIGNMENT
- ROCK BATTER

PROPOSED GROSS POLLUTANT TRAP (TYP)
RIP RAP SCOUR PROTECTION (TYP)

BASIN 'F'
REFER DRG: C18.56 FOR DETAILS.

EXISTING WATERCOURSE AND ASSOCIATED RIPARIAN CORRIDOR TO BE RECONSTRUCTED TO BETTER DEFINE THE WATERCOURSE AND CONVEY FLOWS.

BASIN 'D'
REFER DRG: C18.54 FOR DETAILS.

EXISTING
STAGE 1 WORKS
BY OTHERS

FOR CONTINUATION REFER DRG: C05.06

REV.	DATE	DESCRIPTION	CB	EZ	MTL
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			DRN	DES.	VERIF/APPD

Client

Scale

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Project
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ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
SITWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 04

Scale
1:1000

Date
R.I.P

Size
A1

Datum
MGA 2020

Status
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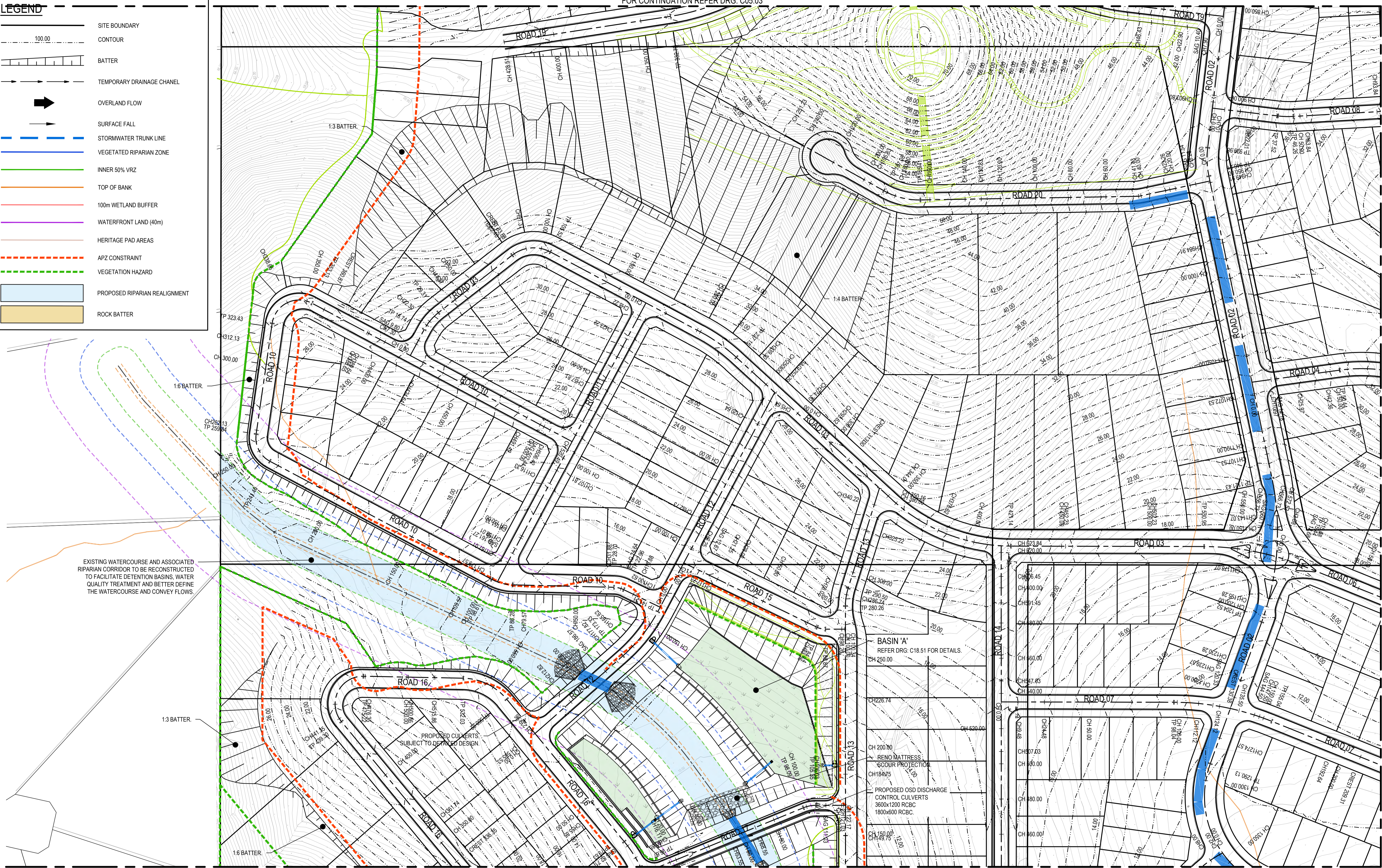
Project Number/Drawing Number
210123-00-C-C05.04

Revision
1

FOR CONTINUATION REFER DRG: C05.03

LEGEND

- SITE BOUNDARY
- CONTOUR
- BATTER
- TEMPORARY DRAINAGE CHANEL
- OVERLAND FLOW
- SURFACE FALL
- STORMWATER TRUNK LINE
- VEGETATED RIPARIAN ZONE
- INNER 50% VRZ
- TOP OF BANK
- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- VEGETATION HAZARD
- PROPOSED RIPARIAN REALIGNMENT
- ROCK BATTER



FOR CONTINUATION REFER DRG: C05.07

REV.	DATE	DESCRIPTION	DRN	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client

Scale

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Project
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CIVIL ENGINEERING WORKS

Title
SITWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 05

Scale
1:1000

Date
R.I.P

Size
A1

Datum
MGA 2020

Status
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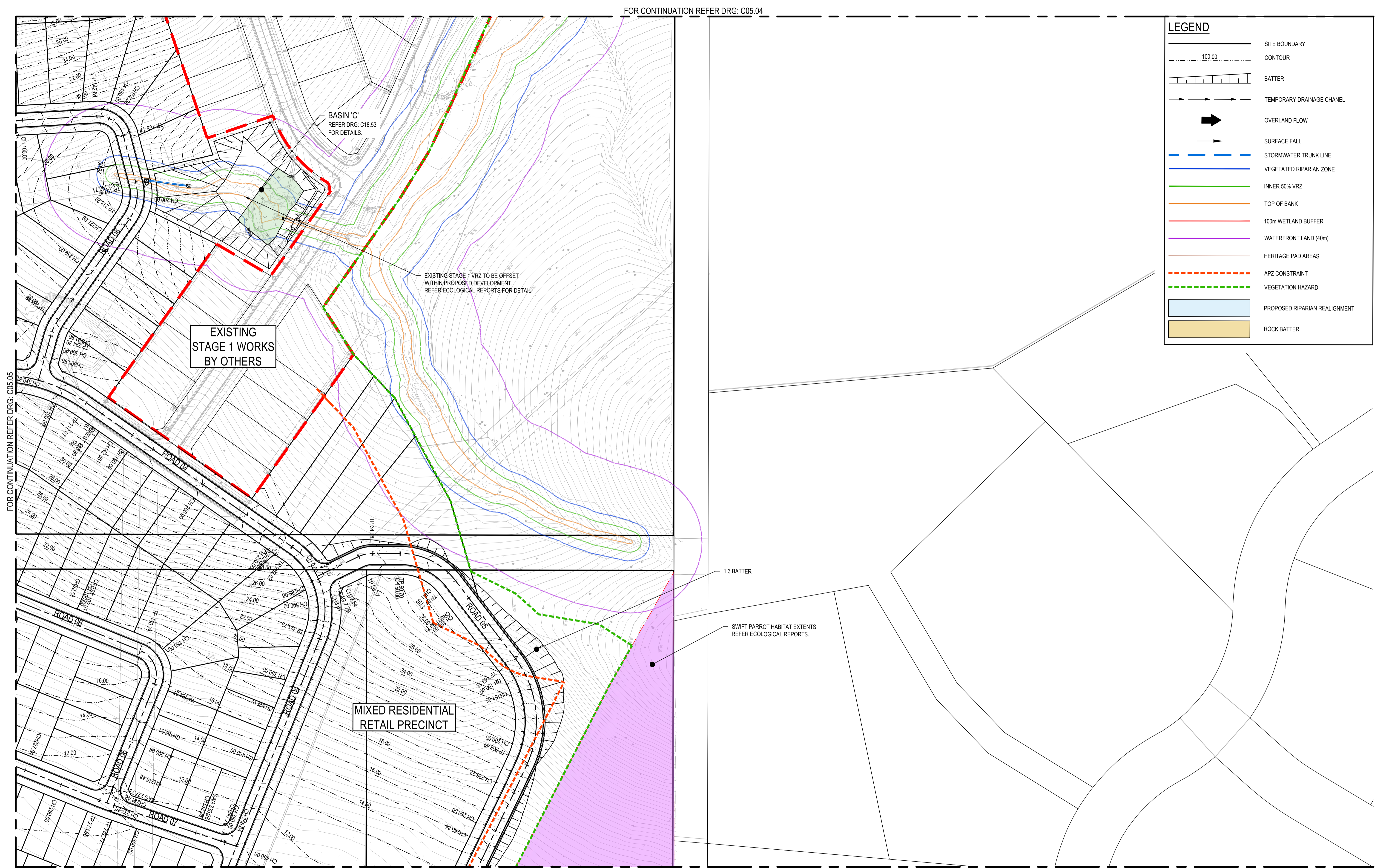
Project Number/Drawing Number
210123-00-C-C05.05

Revision
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FOR CONTINUATION REFER DRG: C05.06

DATE PLOTTED: 17 June 2024 5:46 PM BY: ELARIA ZAKI

FOR CONTINUATION REFER DRG: C05.04



LEGEND

- SITE BOUNDARY
- CONTOUR
- BATTER
- TEMPORARY DRAINAGE CHANEL
- OVERLAND FLOW
- SURFACE FALL
- STORMWATER TRUNK LINE
- VEGETATED RIPARIAN ZONE
- INNER 50% VRZ
- TOP OF BANK
- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- VEGETATION HAZARD
- PROPOSED RIPARIAN REALIGNMENT
- ROCK BATTER

FOR CONTINUATION REFER DRG: C05.05

FOR CONTINUATION REFER DRG: C05.08

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			

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Scale

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North

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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
SITWORKS AND STORMWATER MANAGEMENT PLAN
SHEET 06

Scale
1:1000

Date
R.I.P

Size
A1

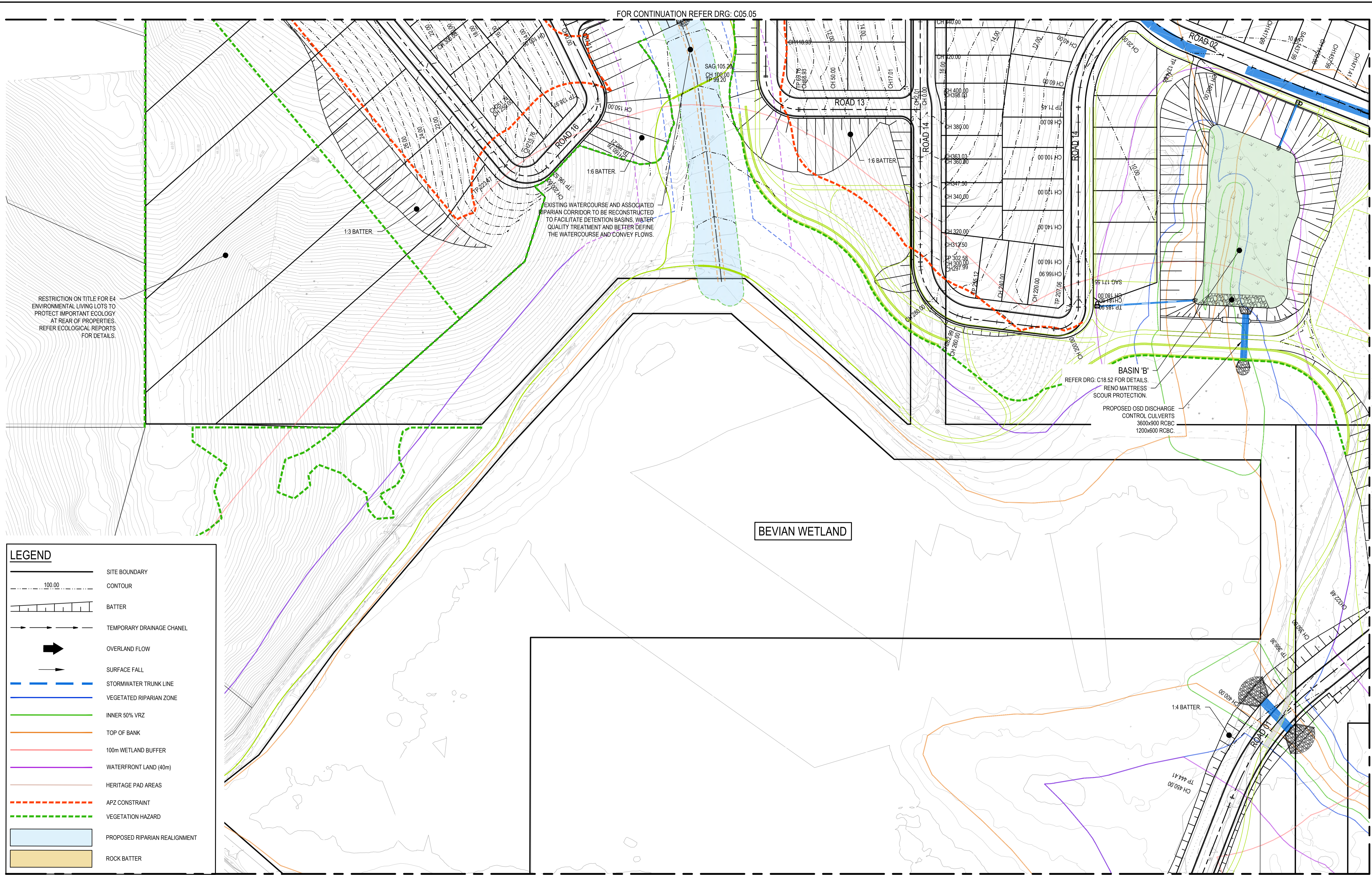
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Project Number/Drawing Number
210123-00-C-C05.06

Revision
1

FOR CONTINUATION REFER DRG: C05.05



FOR CONTINUATION REFER DRG: C05.09

LEGEND

- SITE BOUNDARY
- 100.00 CONTOUR
- BATTER
- TEMPORARY DRAINAGE CHANEL
- OVERLAND FLOW
- SURFACE FALL
- STORMWATER TRUNK LINE
- VEGETATED RIPARIAN ZONE
- INNER 50% VRZ
- TOP OF BANK
- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- VEGETATION HAZARD
- PROPOSED RIPARIAN REALIGNMENT
- ROCK BATTER

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			
			DRN	DES.	VERIF. APPD.

Client

Scale

SCALE 1:1000 @A1

North

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Phone: 02 9922 6135
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Project
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
SITWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 07

Scale
1:1000

Date
R.I.P

Size
A1

Datum
MGA 2020

Status
FOR INFORMATION ONLY
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Project Number/Drawing Number
210123-00-C-C05.07

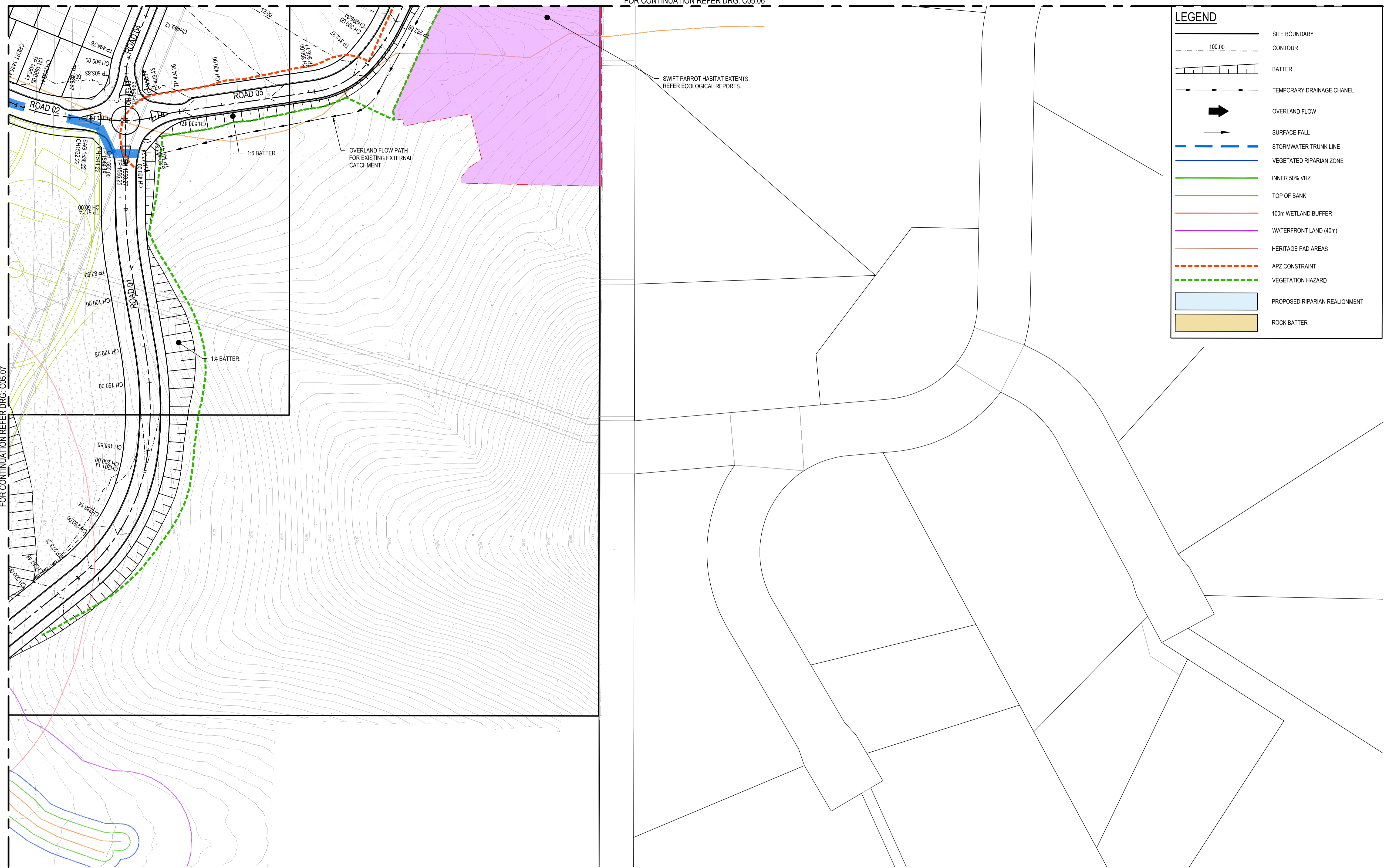
Revision
1

FOR CONTINUATION REFER DRG: C05.08

DATE PLOTTED: 17 June 2024 5:47 PM BY: ELARIA ZAKI

FOR CONTINUATION REFER DRG: C05.06

FOR CONTINUATION REFER DRG: C05.07



LEGEND

- SITE BOUNDARY
- CONTOUR
- BATTER
- TEMPORARY DRAINAGE CHANEL
- OVERLAND FLOW
- SURFACE FALL
- STORMWATER TRUNK LINE
- VEGETATED RIPARIAN ZONE
- INNER 50% VRZ
- TOP OF BANK
- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- VEGETATION HAZARD
- PROPOSED RIPARIAN REALIGNMENT
- ROCK BATTER

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			

Client

Scale

SCALE 1:1000 @A1

North

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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
SITWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 08

Scale
1:1000

Date
R.I.P

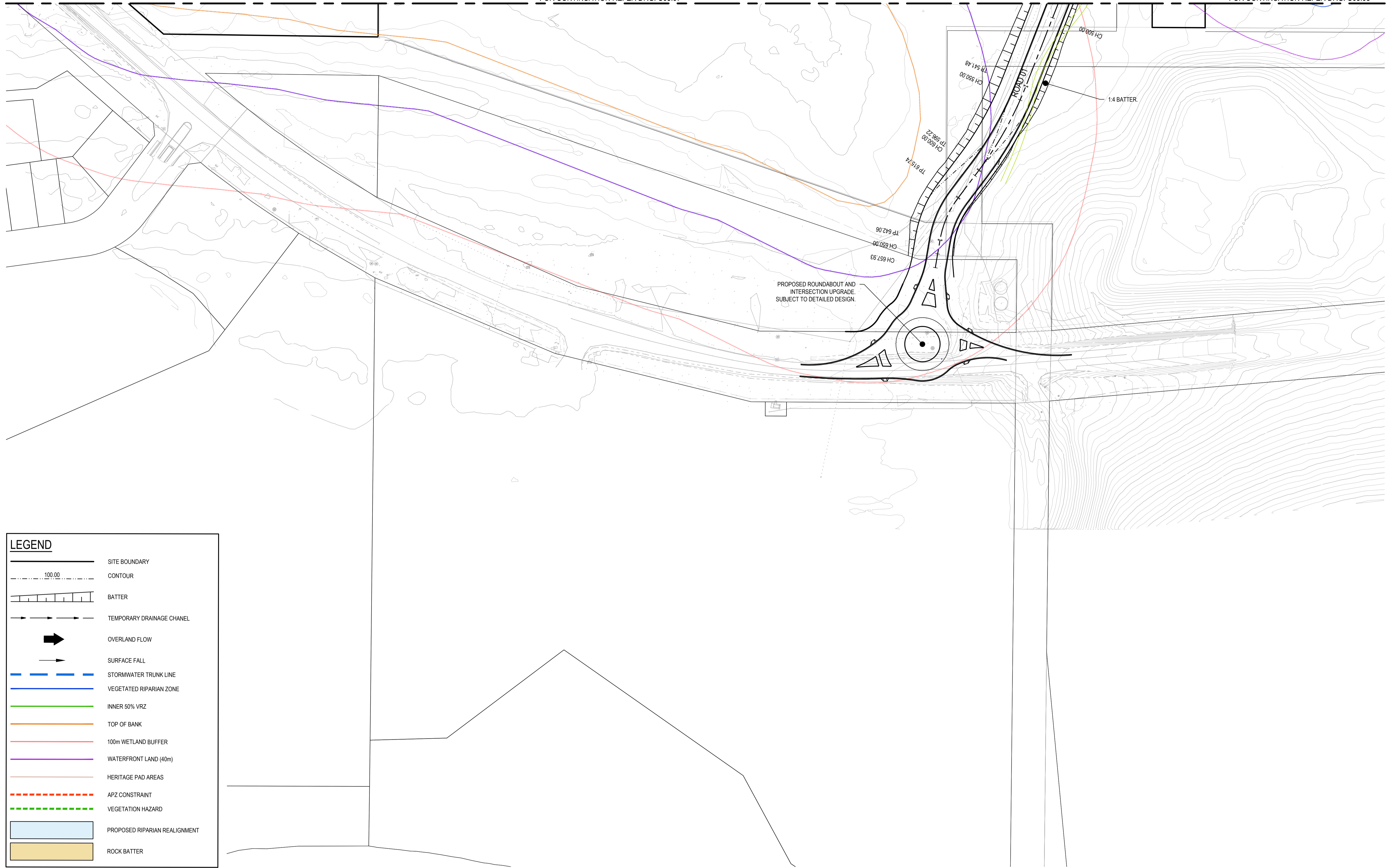
Size
A1

Datum
MGA 2020

Status
FOR INFORMATION ONLY
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Project Number/Drawing Number
210123-00-C-C05.08

Revision
1



LEGEND

- SITE BOUNDARY
- CONTOUR (100.00)
- BATTER
- TEMPORARY DRAINAGE CHANEL
- OVERLAND FLOW
- SURFACE FALL
- STORMWATER TRUNK LINE
- VEGETATED RIPARIAN ZONE
- INNER 50% VRZ
- TOP OF BANK
- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- VEGETATION HAZARD
- PROPOSED RIPARIAN REALIGNMENT
- ROCK BATTER

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			
			DRN	DES.	VERIF.
					APPD.

Client

Scale

SCALE 1:1000 @A1

North

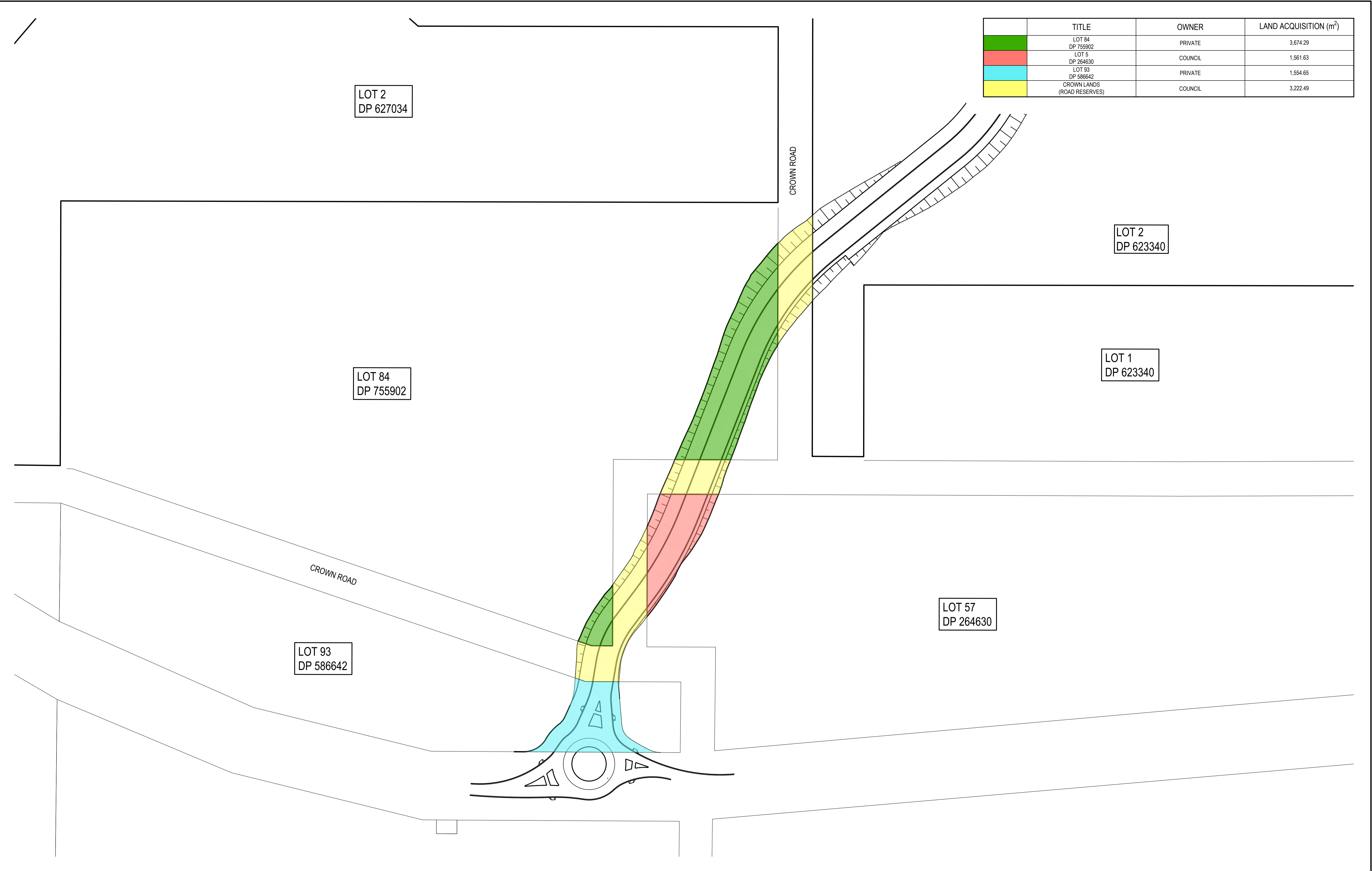
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Title
SITEWORKS AND STORMWATER MANAGEMENT PLAN

SHEET 09

Scale 1:1000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C05.09
Datum MGA 2020	Revision 1



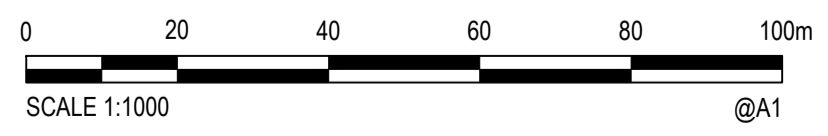
	TITLE	OWNER	LAND ACQUISITION (m ²)
	LOT 84 DP 755902	PRIVATE	3,674.29
	LOT 5 DP 264630	COUNCIL	1,561.63
	LOT 93 DP 586642	PRIVATE	1,554.65
	CROWN LANDS (ROAD RESERVES)	COUNCIL	3,222.49

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client



Scale



SCALE 1:1000 @A1

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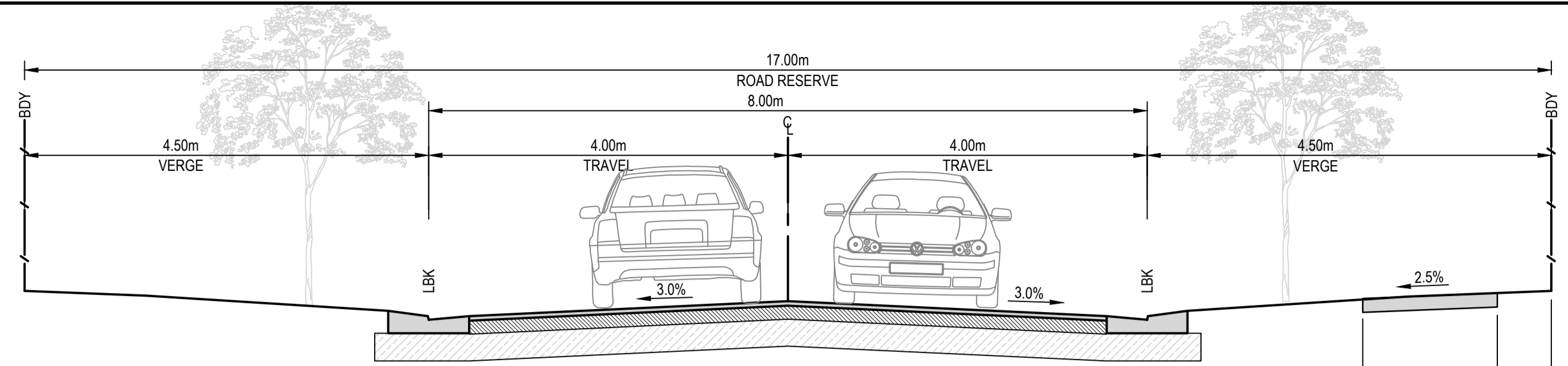



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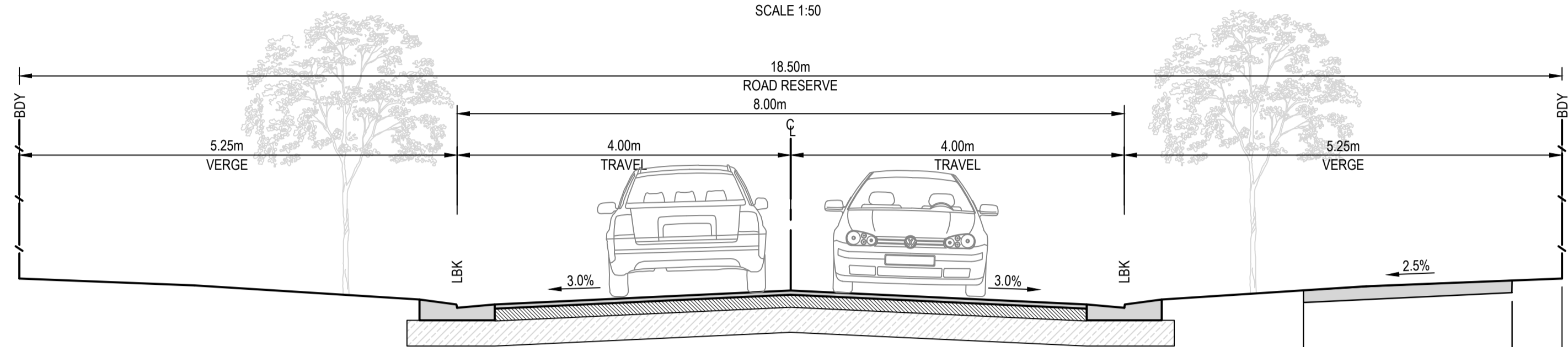
Title
PROPOSED ROAD CORRIDOR

Scale 1:1000	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C05.51
Datum MGA 2020	Revision 1



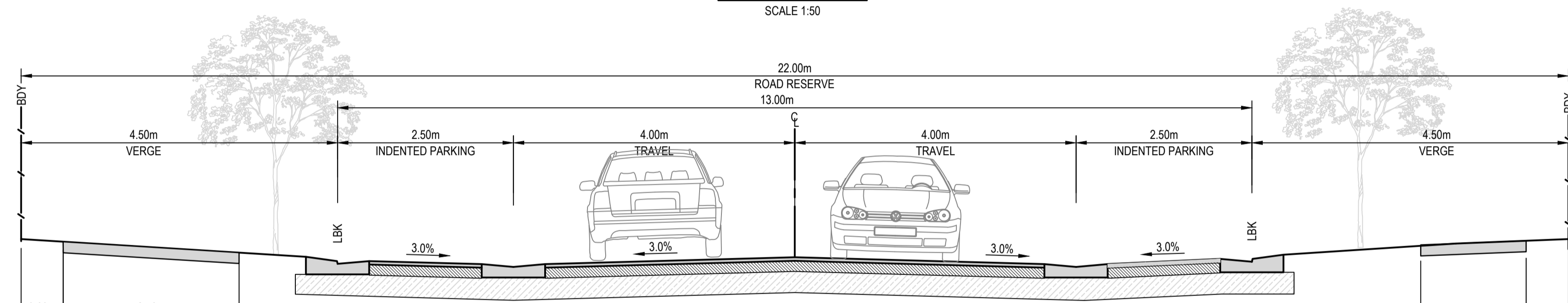
ACCESS STREET

SCALE 1:50



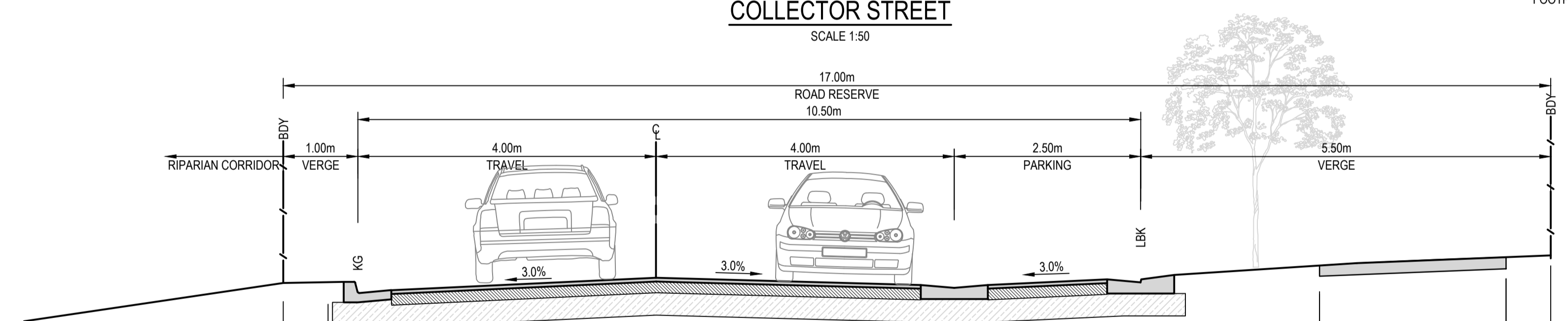
LOCAL STREET

SCALE 1:50



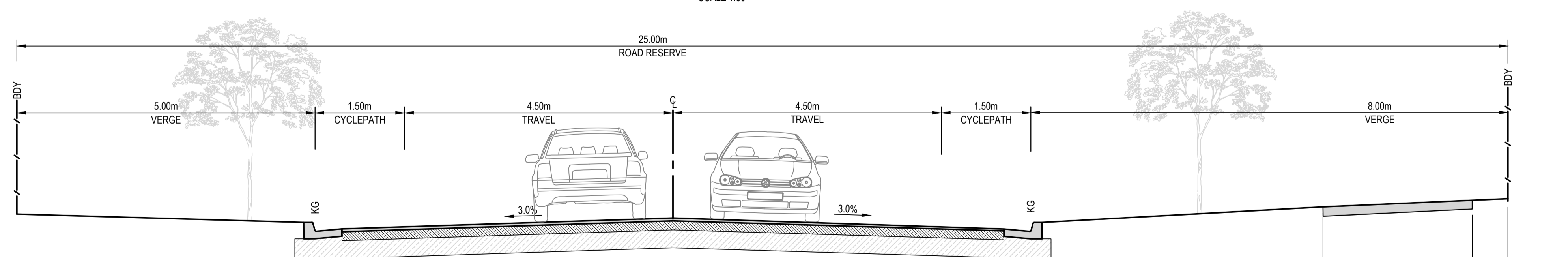
COLLECTOR STREET

SCALE 1:50



PERIMETER STREET

SCALE 1:50



DISTRIBUTOR ROAD


SCALE 1:50
CH 0.00 - CH 359.65

REV.	DATE	DESCRIPTION	CB	EZ	MTL
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Scale



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Project
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ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
ROAD TYPICAL CROSS SECTIONS

SHEET 01

Scale
1:50

Date
R.I.P

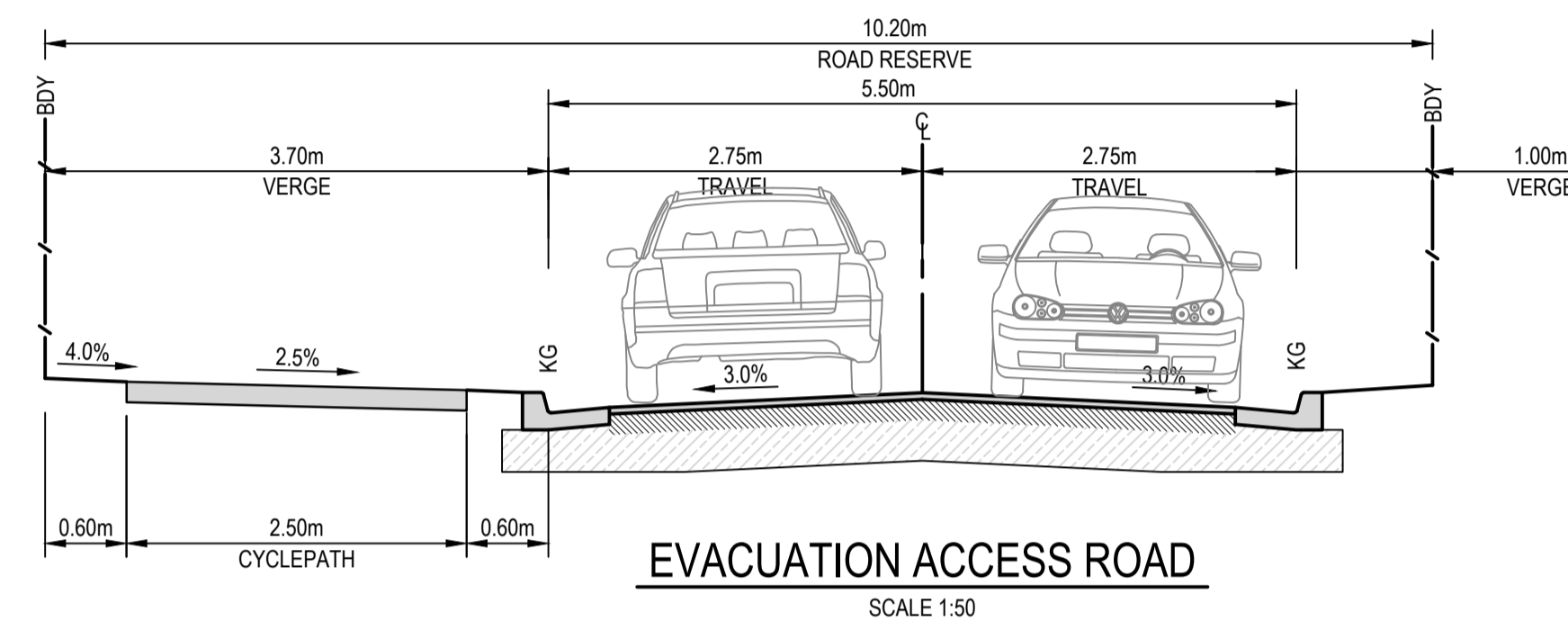
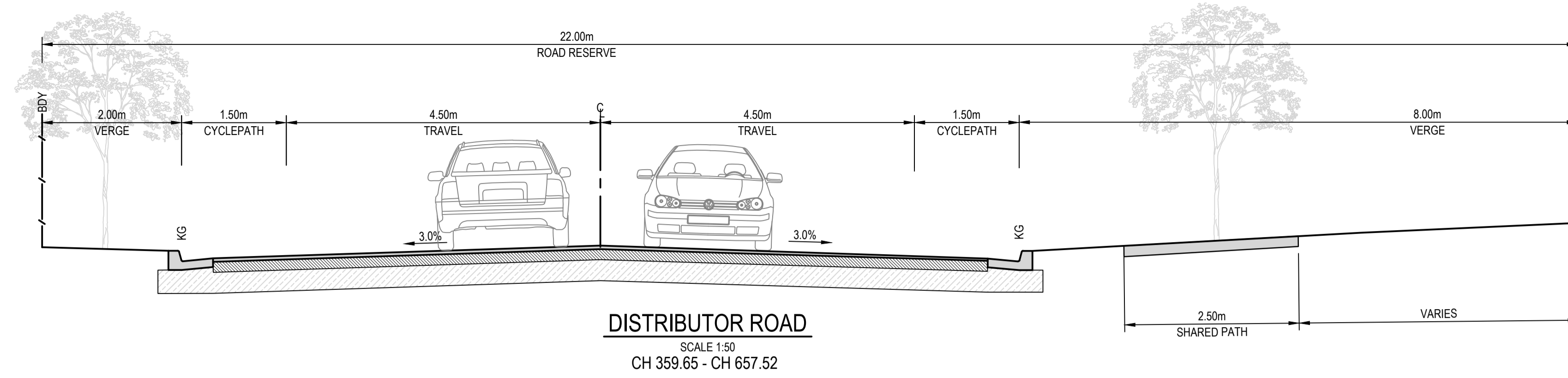
Size
A1

Datum
MGA 2020

Status
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Project Number/Drawing Number
210123-00-C-C06.01

Revision
1




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Client



Scale



SCALE 1:50 @A1

North



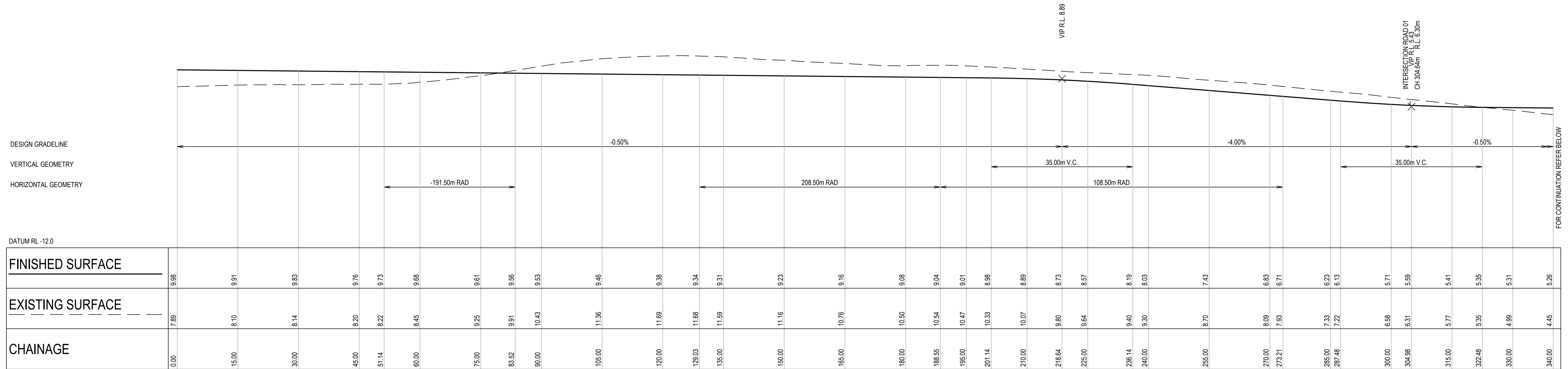
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BEVIAN ROAD
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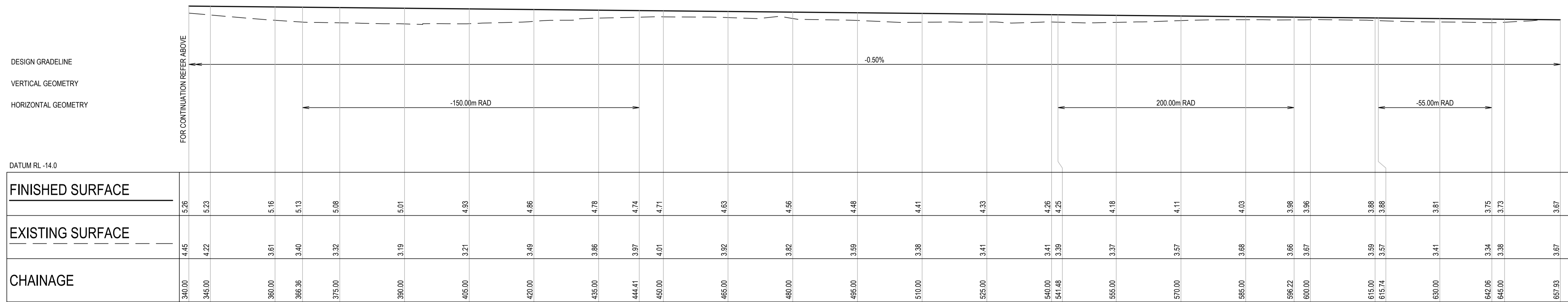
Title
ROAD TYPICAL CROSS SECTIONS

SHEET 02

Scale 1:50	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C06.02
Datum MGA 2020	Revision 1



ROAD 01 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 01 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

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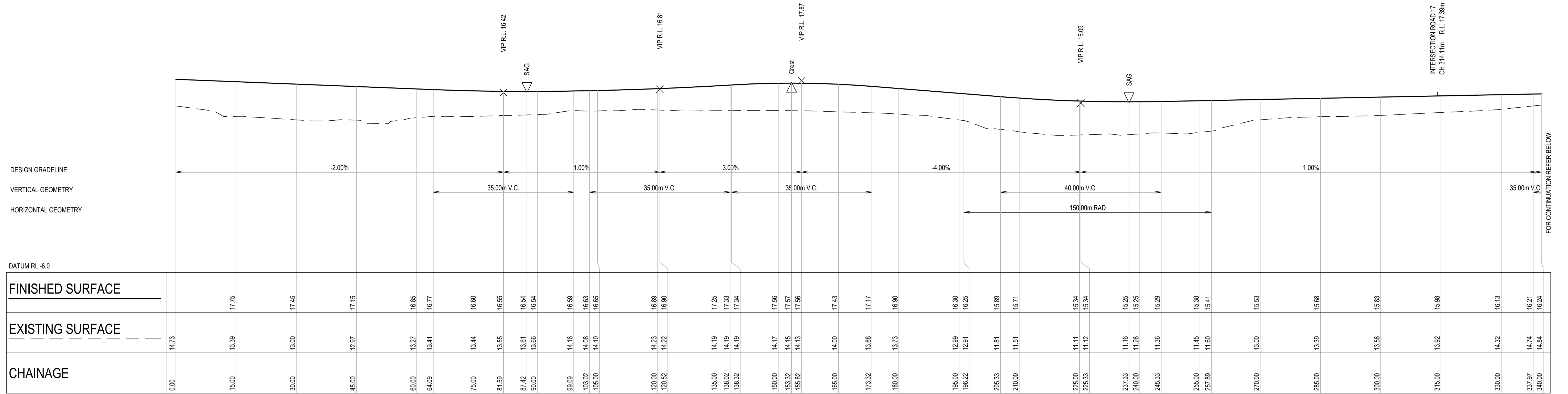
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Project
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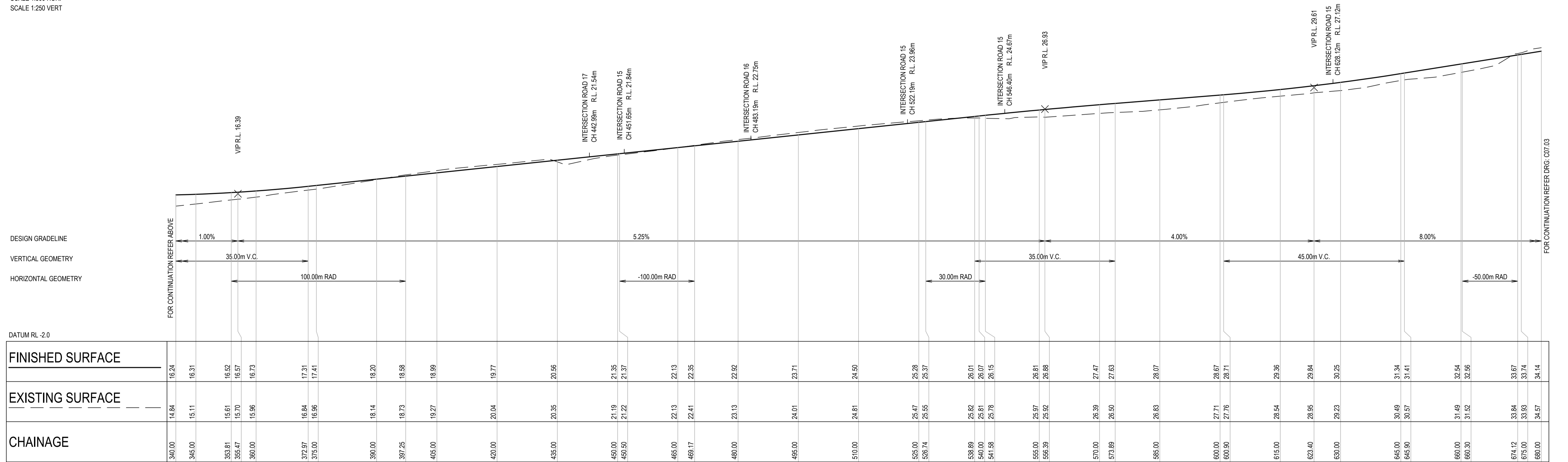
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 01

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.01
Size A1	Revision 1
Datum MGA 2020	



ROAD 02 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 02 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 Scale 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

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 CIVIL ENGINEERING WORKS

Title
 ROAD LONGITUDINAL SECTIONS

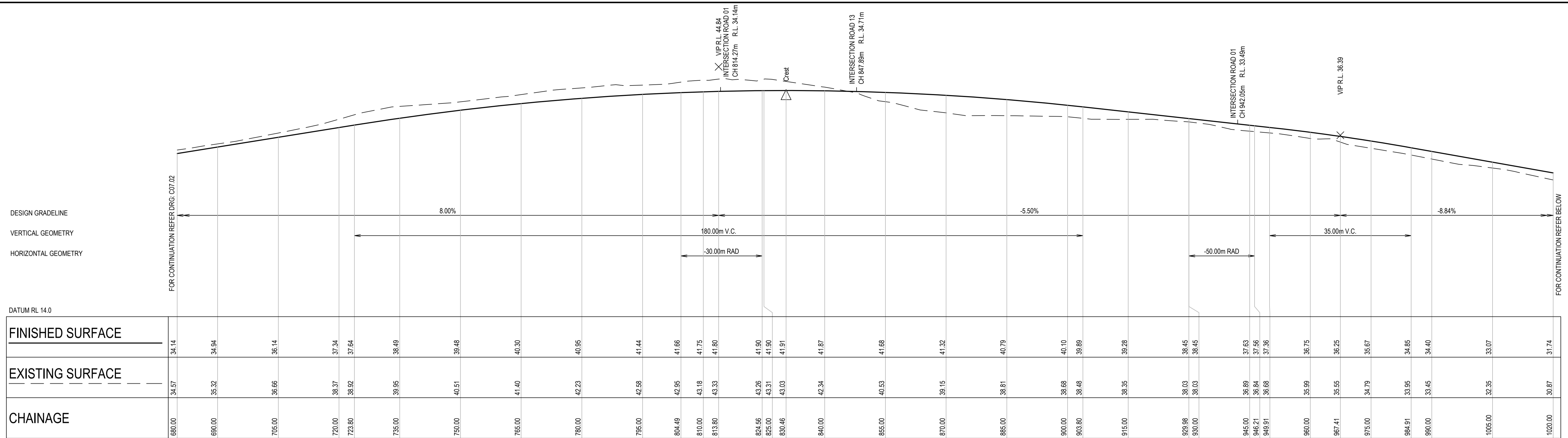
SHEET 02

Scale
 AS SHOWN
 Date
 R.I.P
 Size
 A1
 Datum
 MGA 2020

Status
FOR INFORMATION ONLY
 NOT TO BE USED FOR CONSTRUCTION

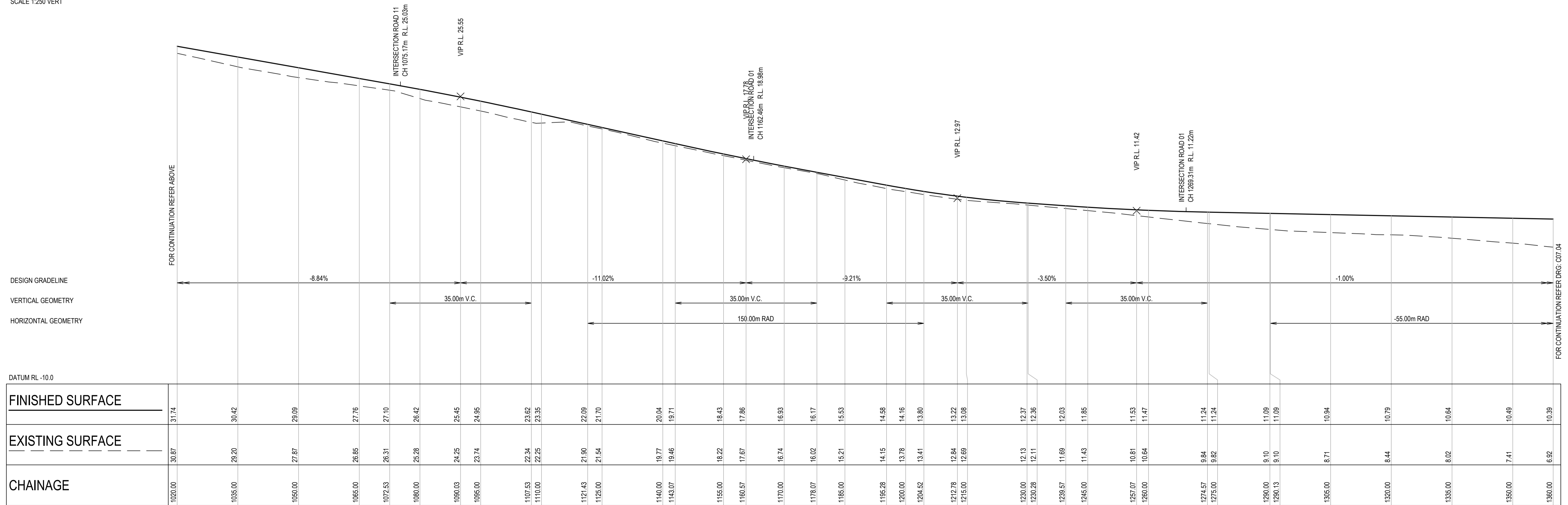
Project Number/Drawing Number
210123-00-C-C07.02

Revision
1



ROAD 02 LONGITUDINAL SECTION

SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 02 LONGITUDINAL SECTION

SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client

Scale 0 5 10 15 20 25m
SCALE 1:250 @A1
0 10 20 30 40 50m
SCALE 1:500 @A1

North

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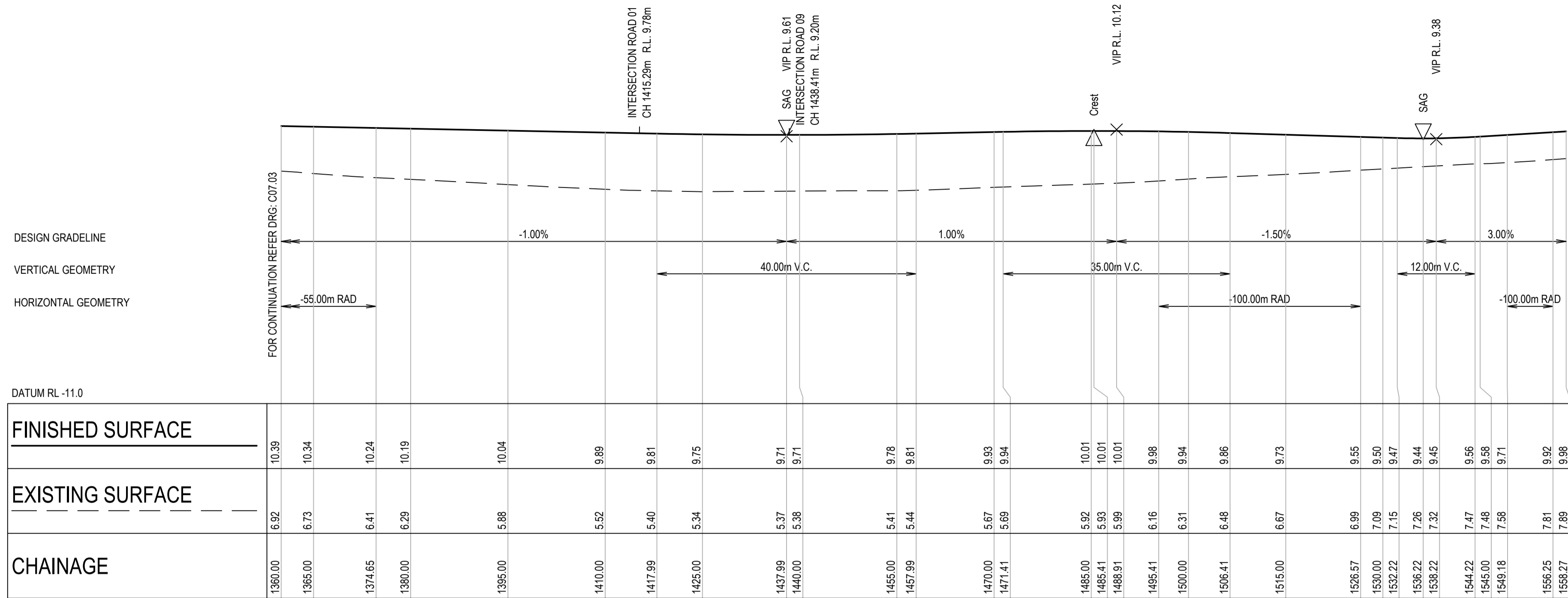
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BEVIAN ROAD
ROSEDALE NSW 2536
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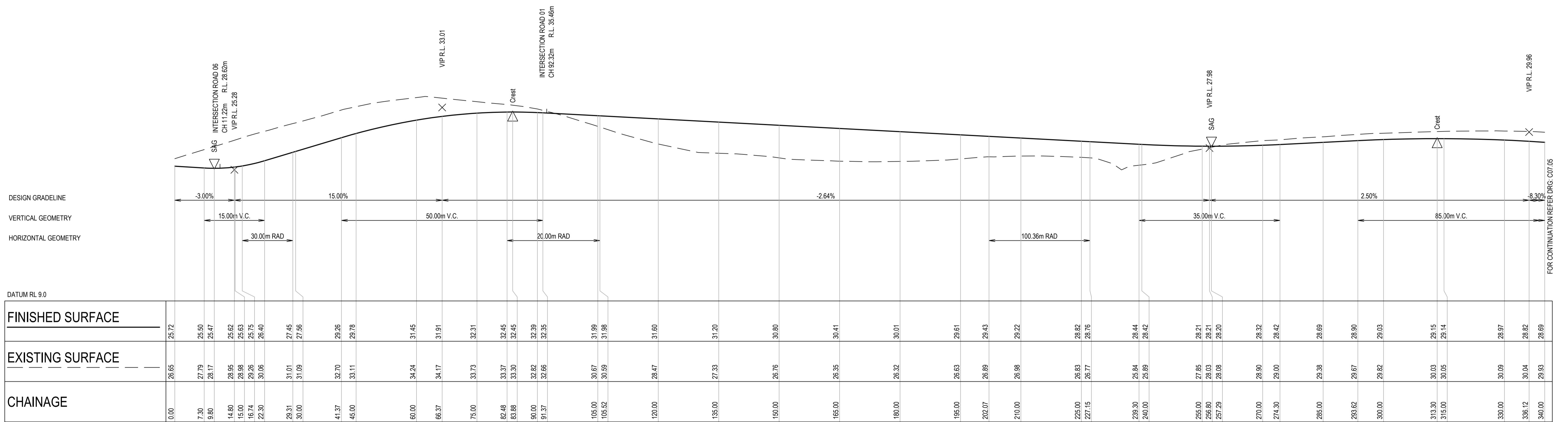
Title
ROAD LONGITUDINAL SECTIONS

SHEET 03

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.03
Size A1	Revision 1
Datum MGA 2020	



ROAD 02 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 03 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
SCALE 1:250 @A1

Scale 0 10 20 30 40 50m
SCALE 1:500 @A1

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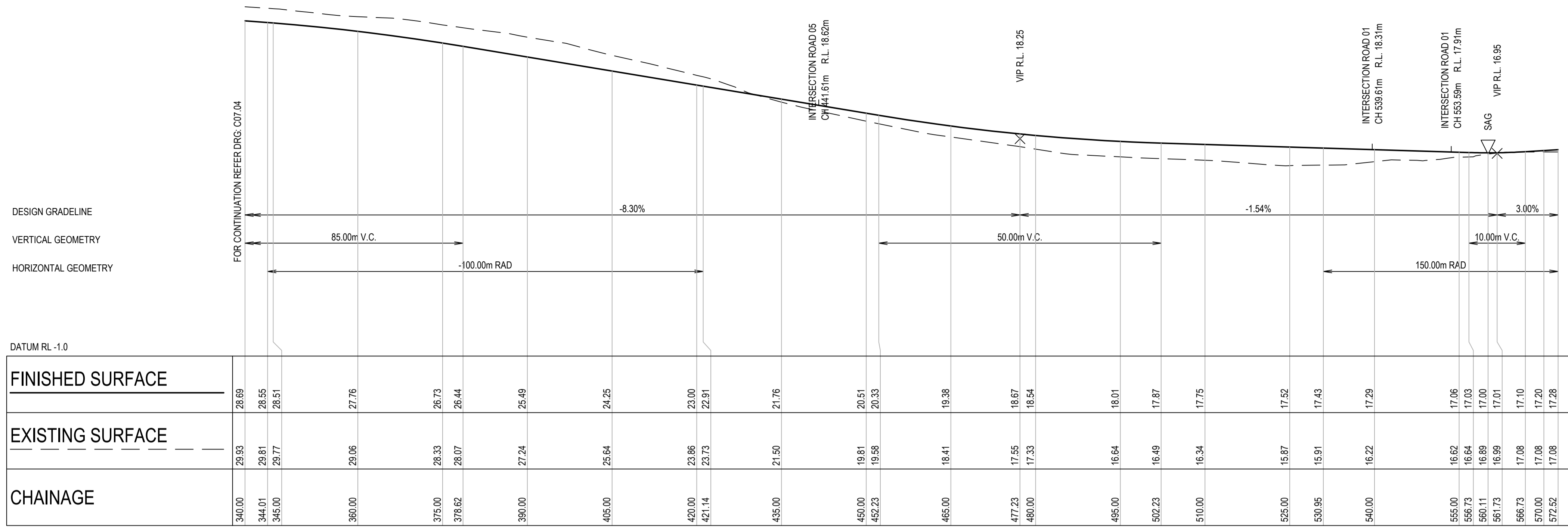
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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

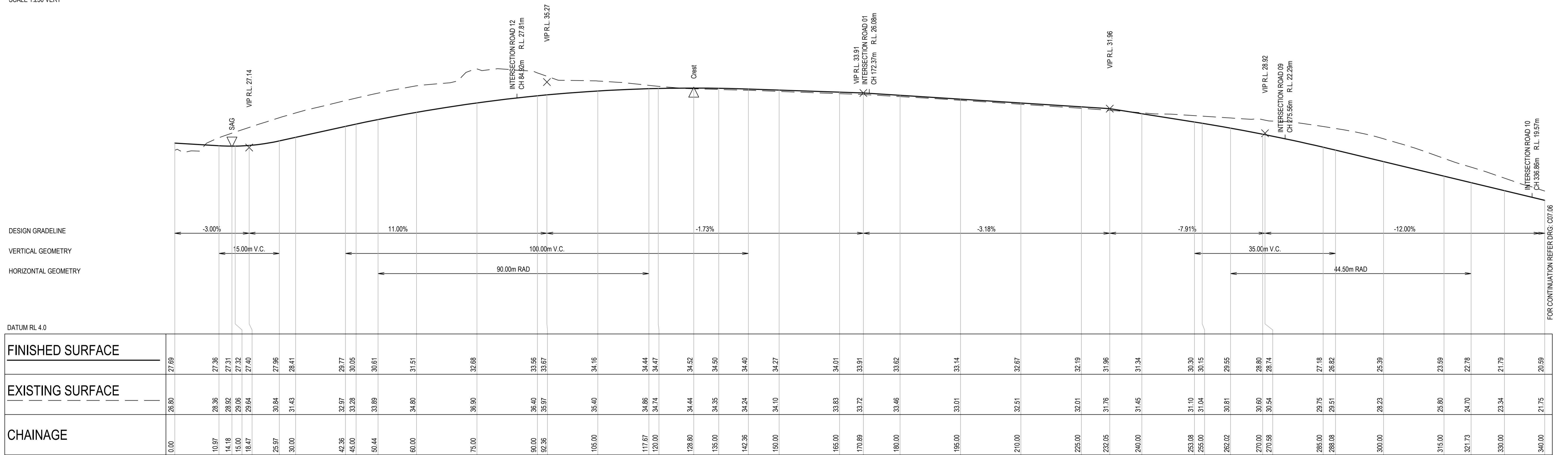
Title
ROAD LONGITUDINAL SECTIONS

SHEET 04

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.04
Size A1	Revision 1
Datum MGA 2020	



ROAD 03 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 04 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
SCALE 1:250 @A1

Scale 0 10 20 30 40 50m
SCALE 1:500 @A1

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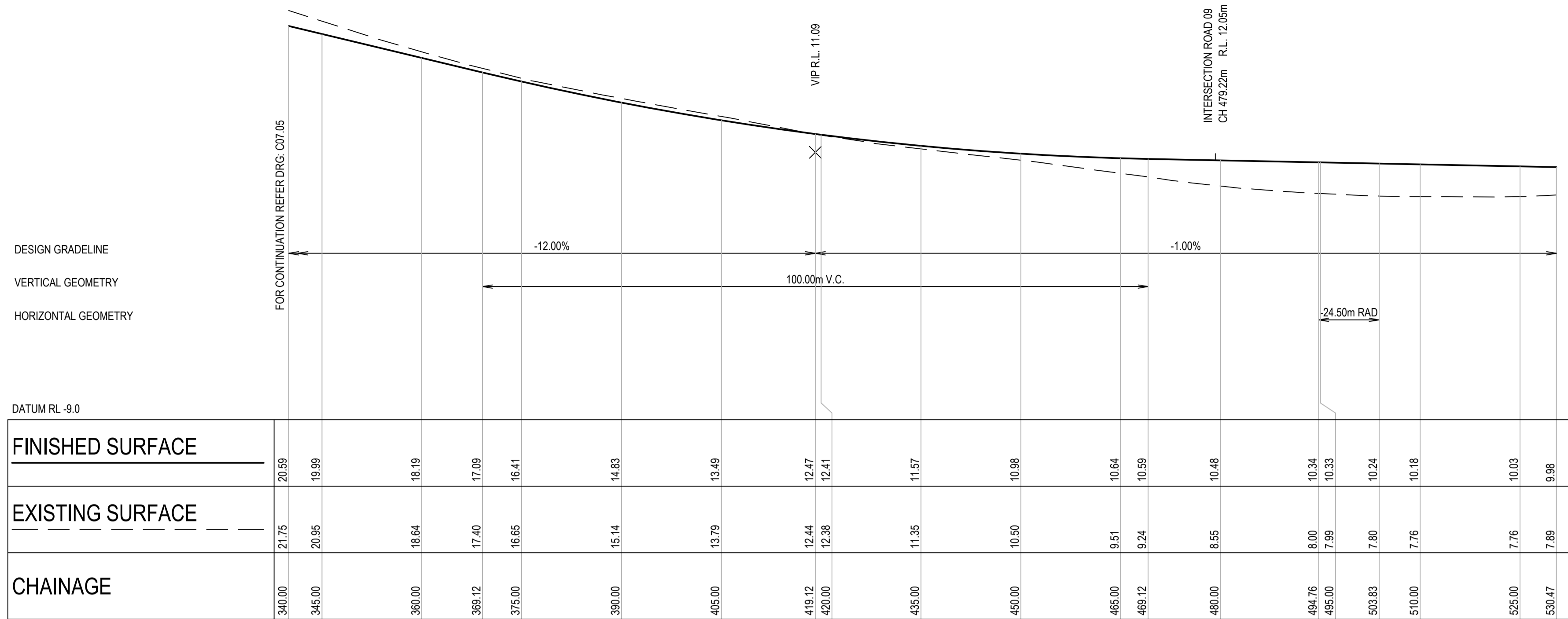
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BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

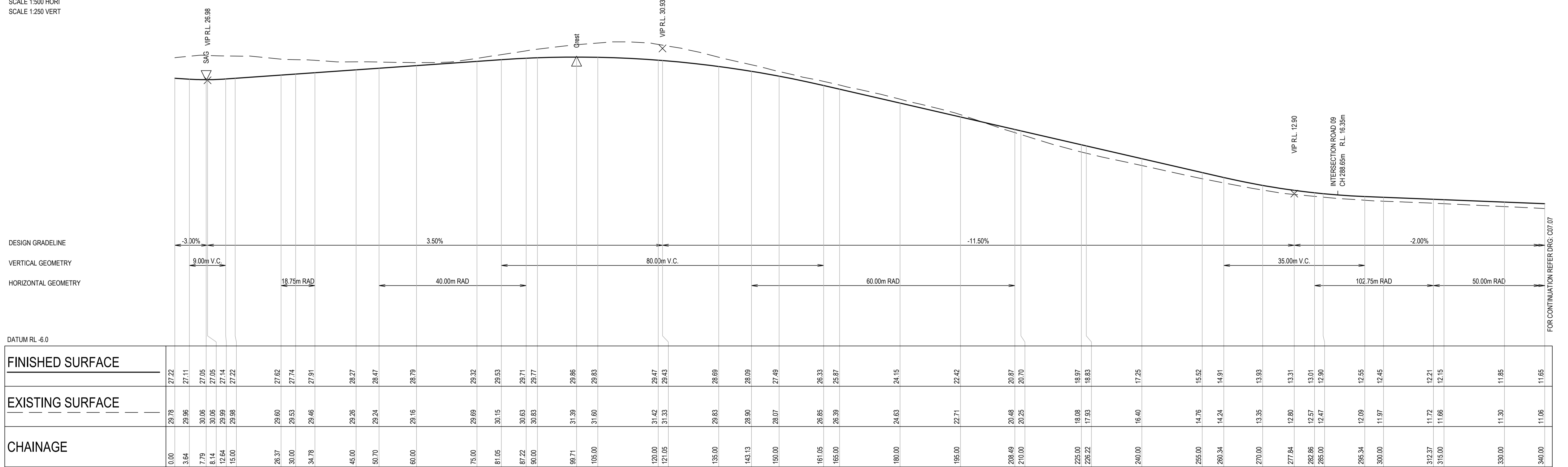
Title
ROAD LONGITUDINAL SECTIONS

SHEET 05

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.05
Size A1	Revision 1
Datum MGA 2020	



ROAD 04 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 05 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 Scale 0 10 20 30 40 50m
 SCALE 1:500 @A1

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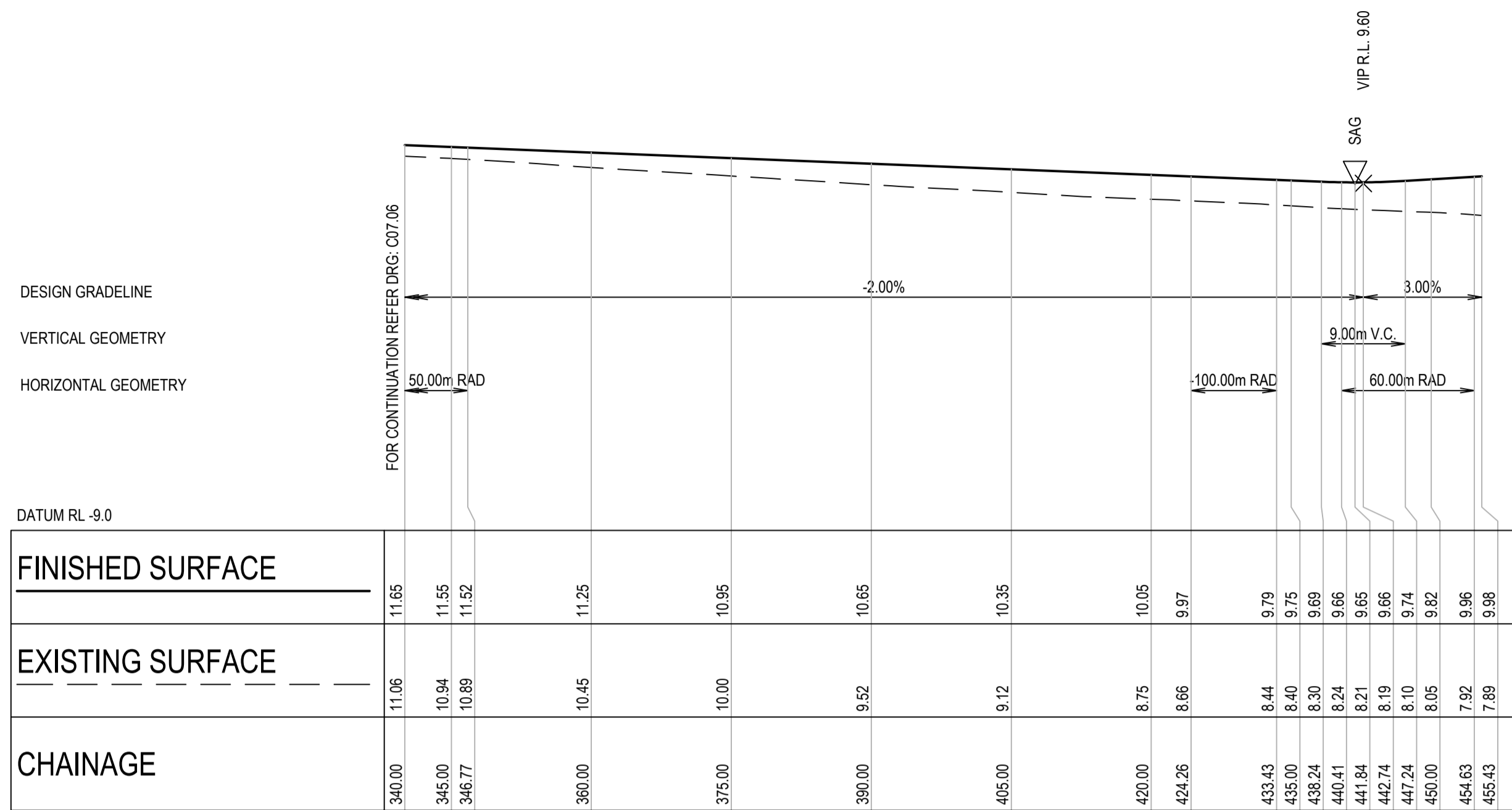
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Project
 BEVIAN ROAD
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 CIVIL ENGINEERING WORKS

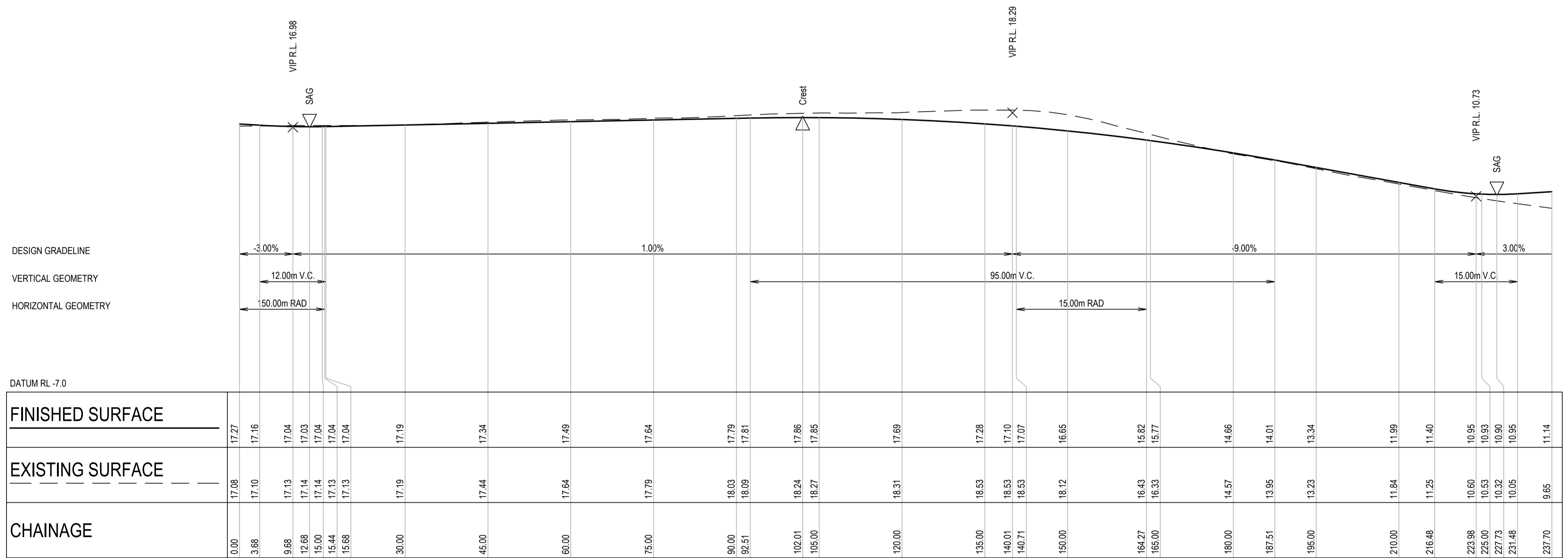
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 06

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.06
Size A1	Revision 1
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ROAD 05 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 06 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

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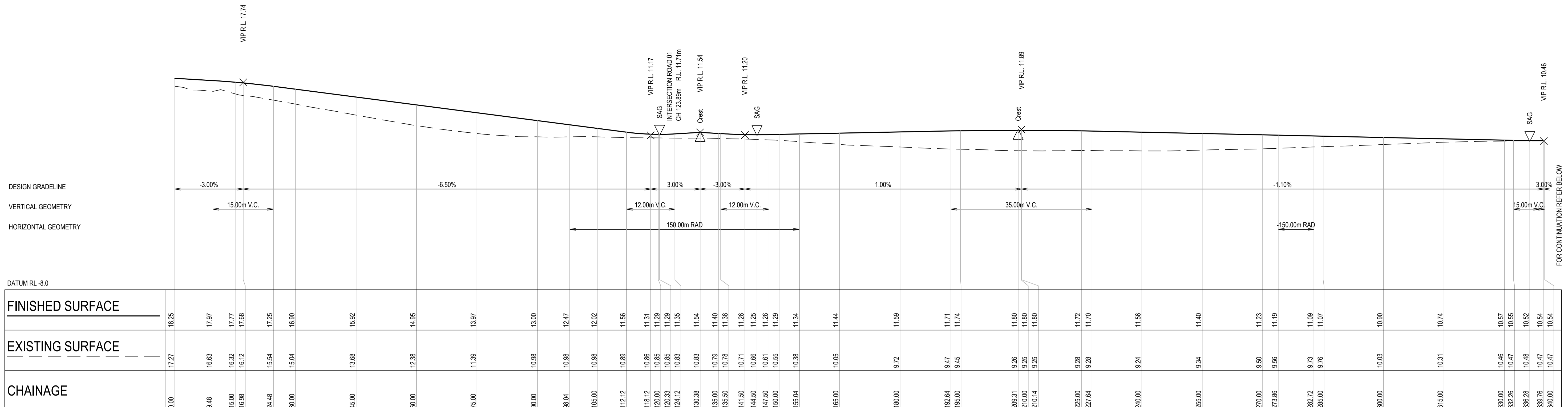
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Project
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 ROSEDALE NSW 2536
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Title
 ROAD LONGITUDINAL SECTIONS

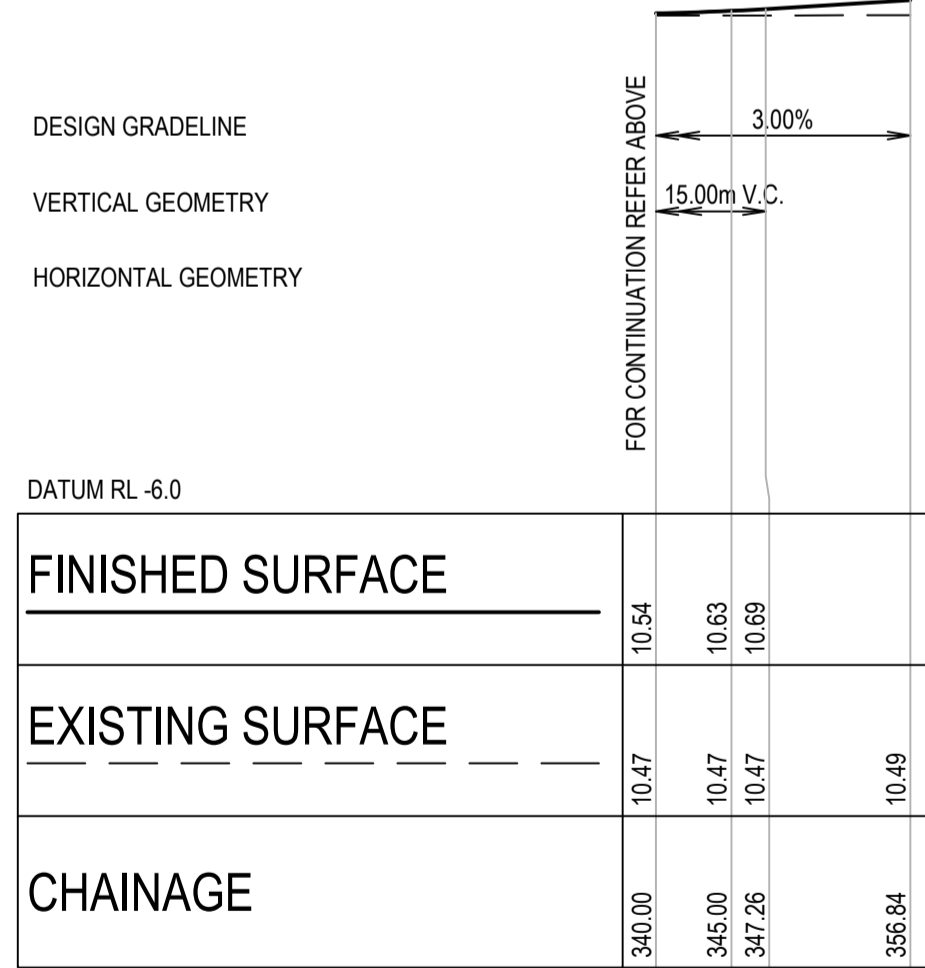
SHEET 07

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Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.07
Size A1	Revision 1
Datum MGA 2020	



CHAINAGE	EXISTING SURFACE	FINISHED SURFACE
0.00	17.27	18.25
9.48	16.63	17.97
15.00	16.32	17.77
16.98	16.12	17.68
24.48	15.54	17.25
30.00	15.04	16.90
45.00	13.68	15.92
60.00	12.38	14.95
75.00	11.39	13.97
90.00	10.98	13.00
96.04	10.98	12.47
105.00	10.98	12.02
112.12	10.89	11.56
118.12	10.86	11.31
120.00	10.85	11.29
120.33	10.85	11.29
124.12	10.83	11.35
130.38	10.83	11.54
135.00	10.79	11.40
136.50	10.78	11.38
141.50	10.71	11.26
144.50	10.66	11.25
147.50	10.61	11.26
150.00	10.55	11.29
155.04	10.38	11.34
165.00	10.05	11.44
180.00	9.72	11.59
192.64	9.47	11.71
195.00	9.45	11.74
209.31	9.26	11.80
210.00	9.25	11.80
210.14	9.25	11.80
225.00	9.28	11.72
227.64	9.28	11.70
240.00	9.24	11.56
255.00	9.34	11.40
270.00	9.50	11.23
273.86	9.56	11.19
282.72	9.73	11.09
285.00	9.76	11.07
300.00	10.03	10.90
315.00	10.31	10.74
330.00	10.46	10.57
332.26	10.47	10.55
336.28	10.48	10.52
339.76	10.47	10.54
340.00	10.47	10.54

ROAD 07 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



CHAINAGE	EXISTING SURFACE	FINISHED SURFACE
340.00	10.47	10.54
345.00	10.47	10.63
347.26	10.47	10.69
356.84	10.49	

ROAD 07 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

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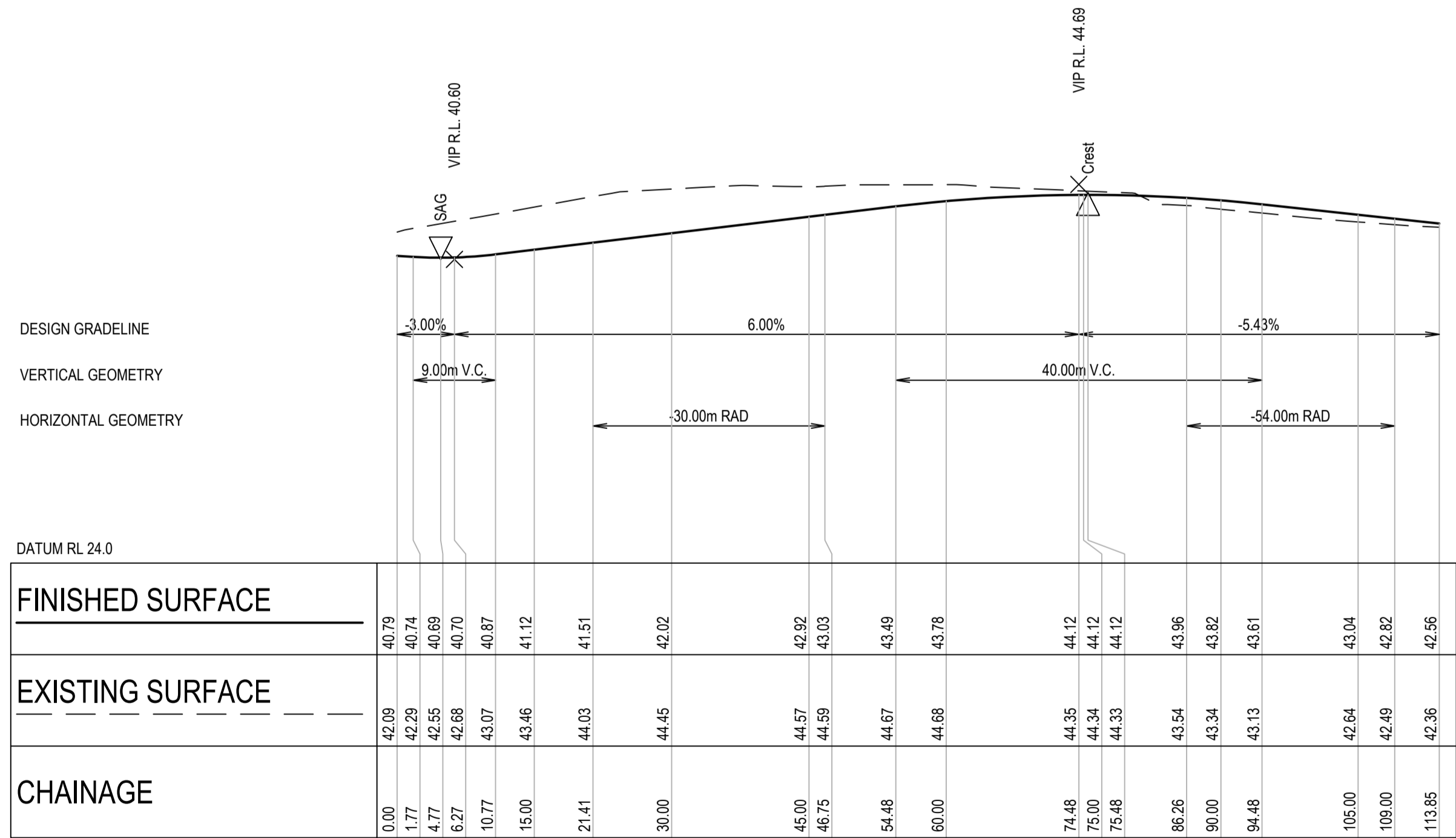
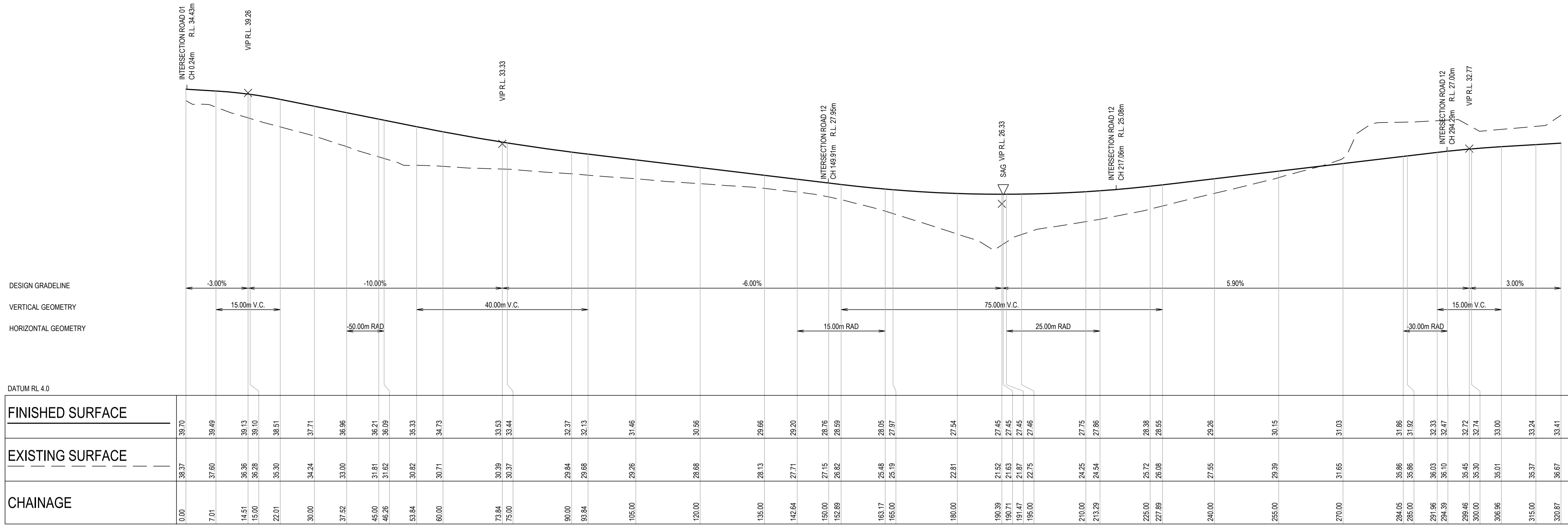
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Project
 BEVIAN ROAD
 ROSEDALE NSW 2536
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Title
 ROAD LONGITUDINAL SECTIONS

SHEET 08

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.08
Size A1	Revision 1
Datum MGA 2020	



REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			

Client

Scale

North

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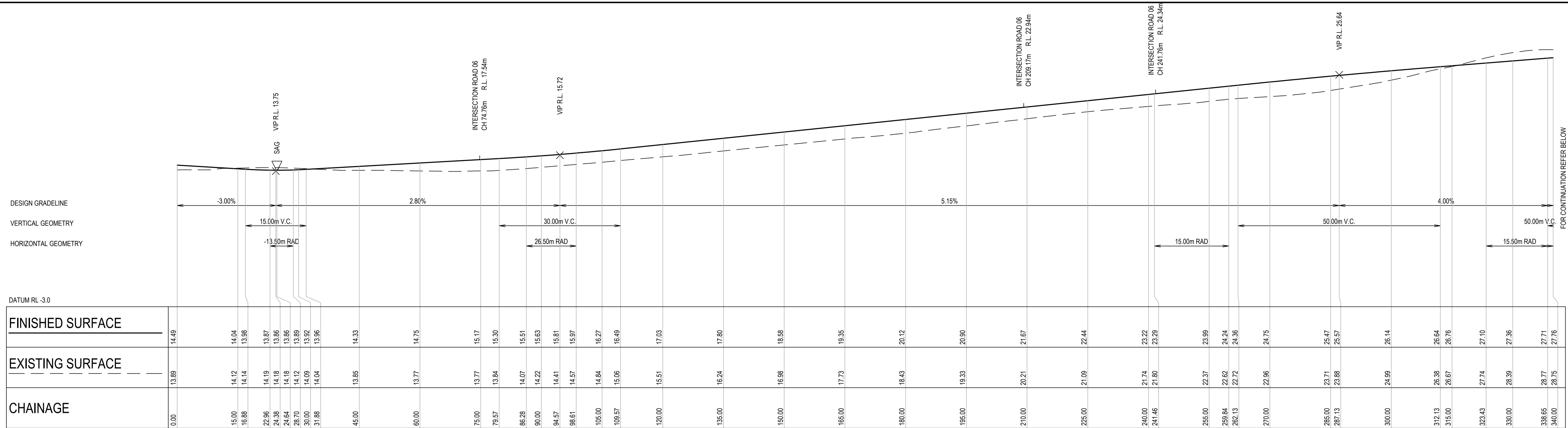
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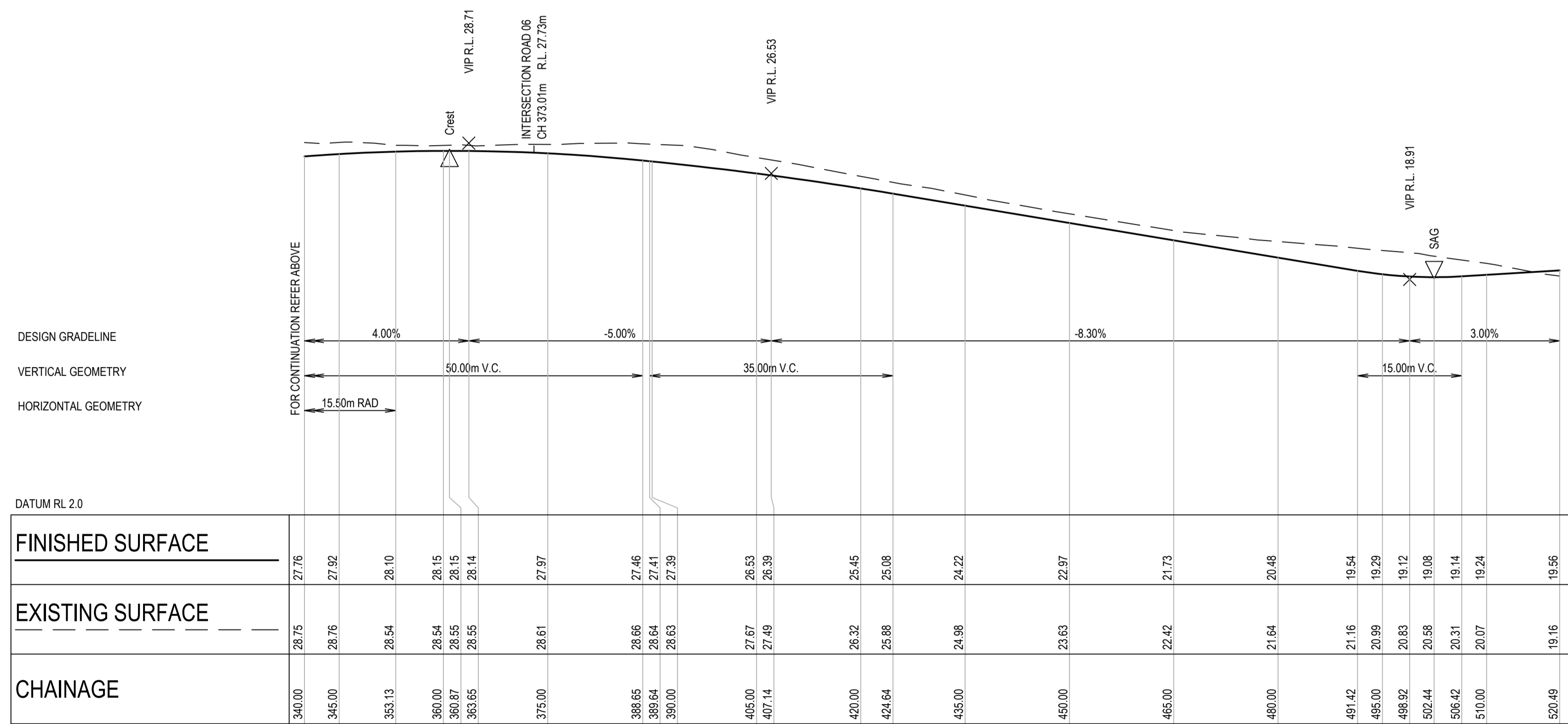
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 09

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.09
Size A1	Revision 1
Datum MGA 2020	



ROAD 10 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 10 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

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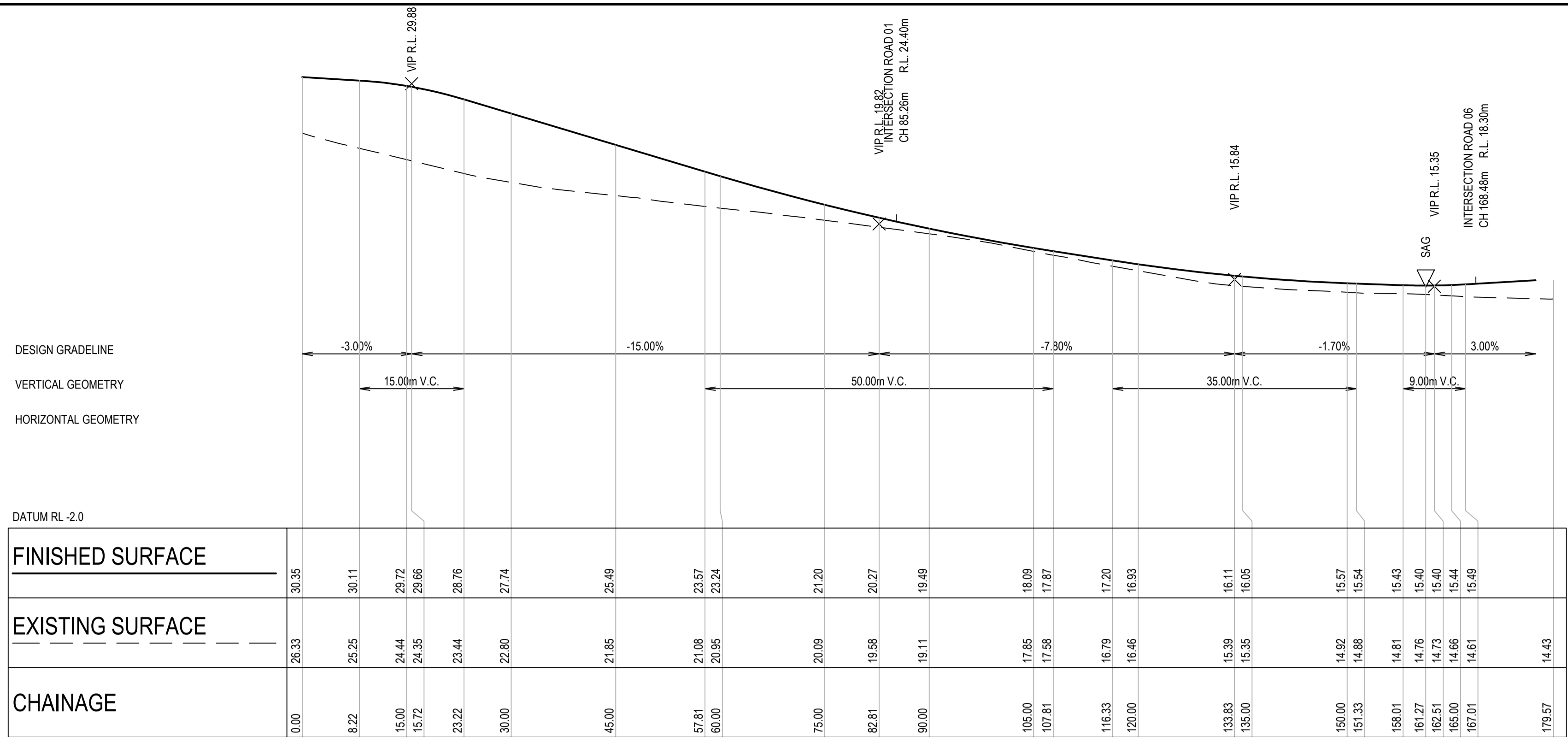
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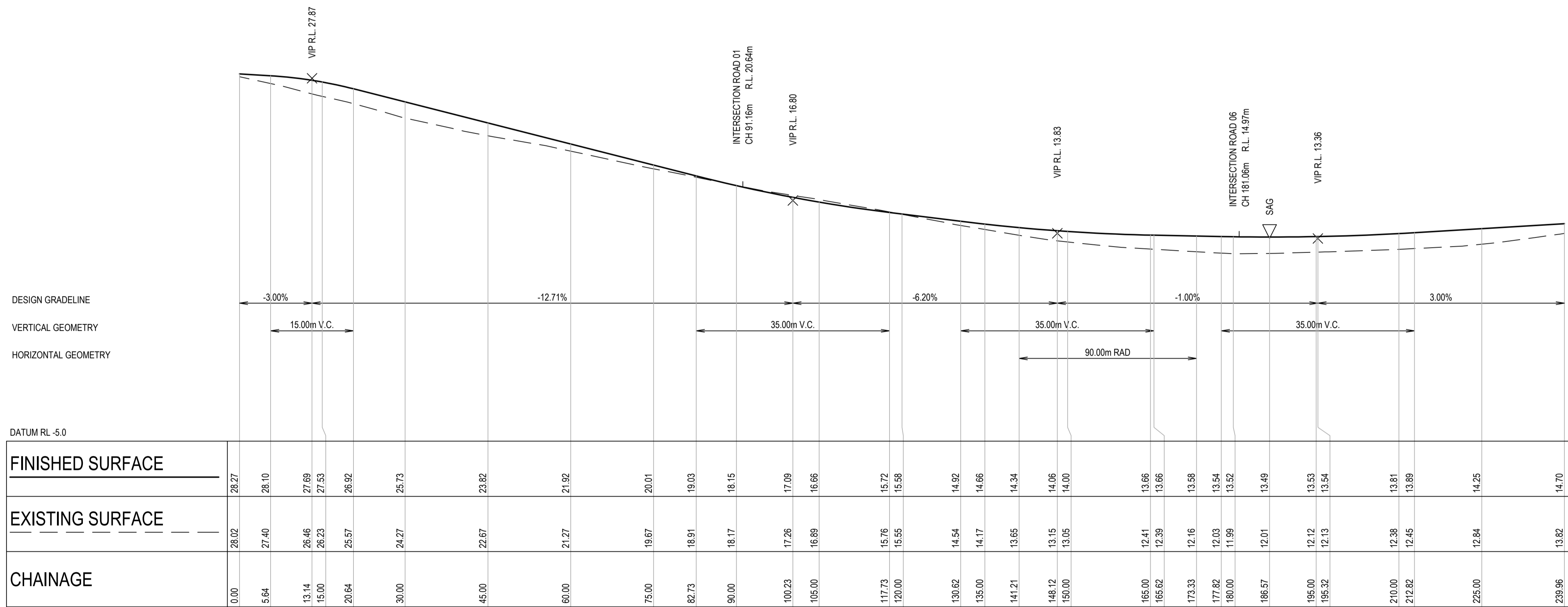
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 10

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.10
Size A1	Revision 1
Datum MGA 2020	



ROAD 11 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 12 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
SCALE 1:250 @A1
0 10 20 30 40 50m
SCALE 1:500 @A1

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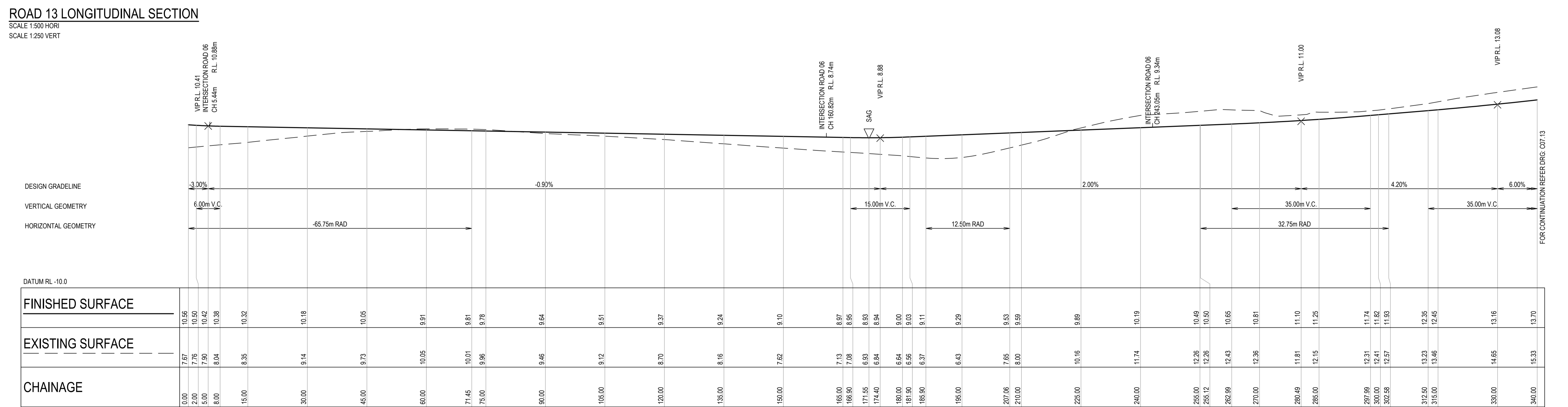
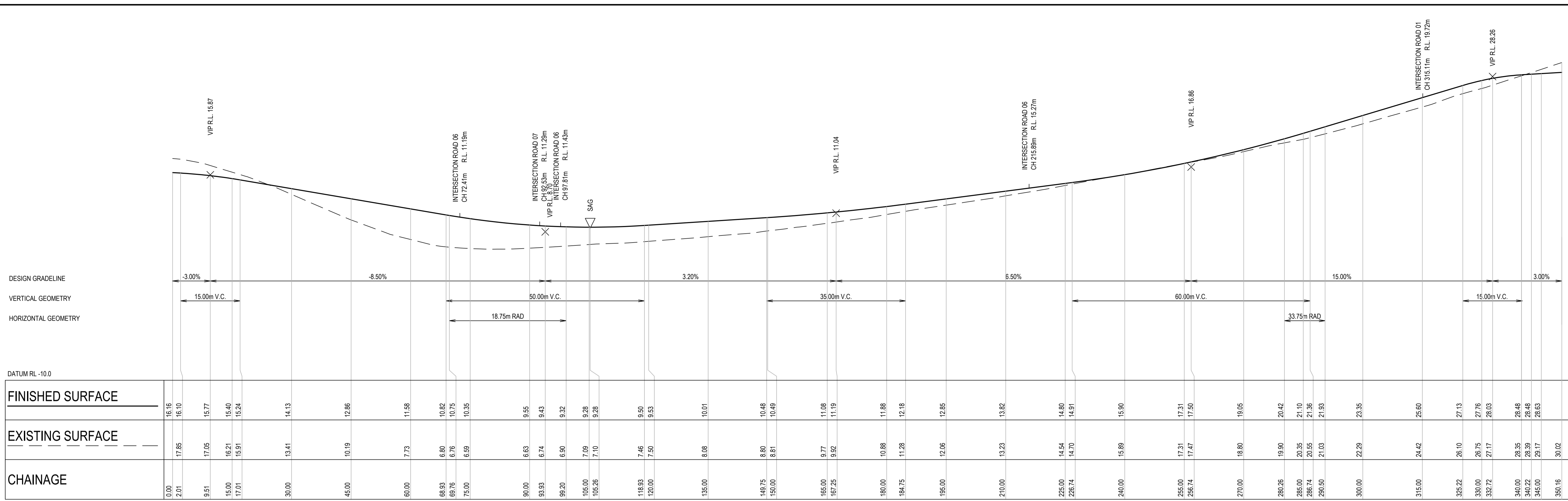
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Title
ROAD LONGITUDINAL SECTIONS

SHEET 11

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.11
Size A1	Revision 1
Datum MGA 2020	



REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 Scale 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

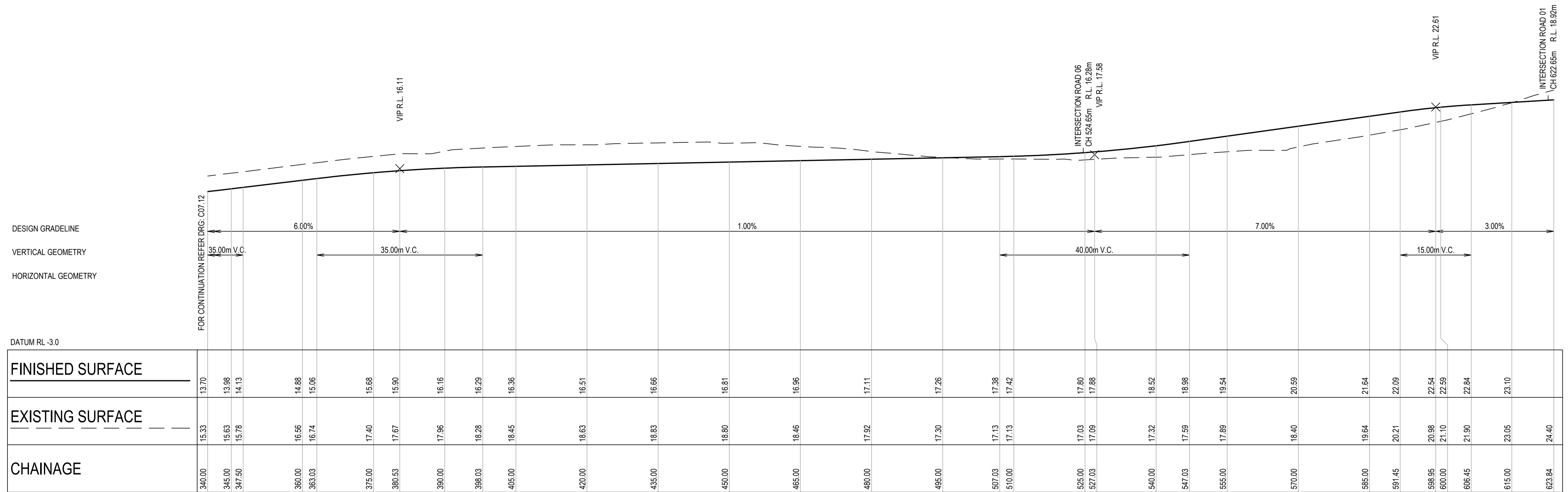
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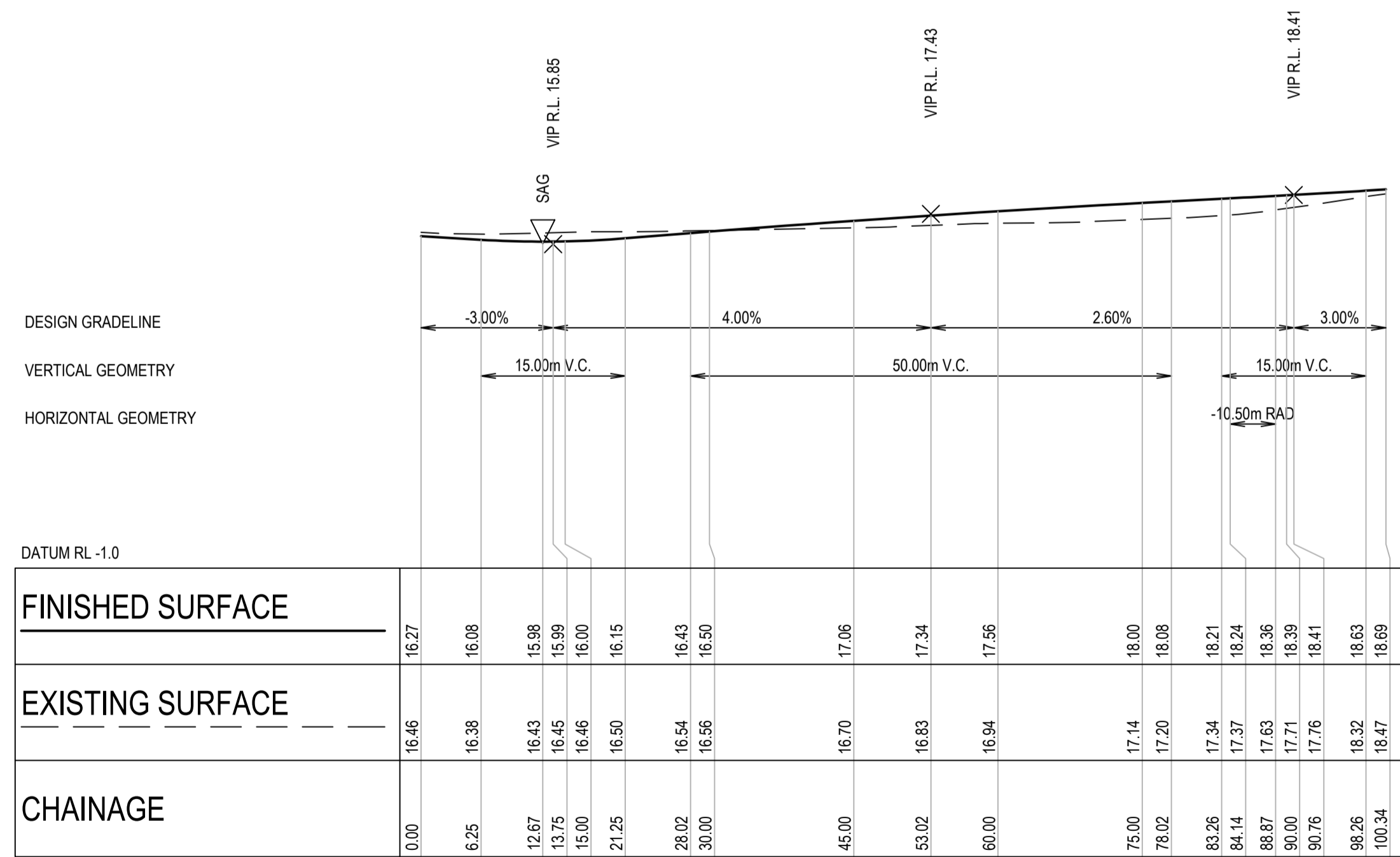
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 12

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.12
Size A1	Revision 1
Datum MGA 2020	



ROAD 14 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 15 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
SCALE 1:250 @A1

0 10 20 30 40 50m
SCALE 1:500 @A1

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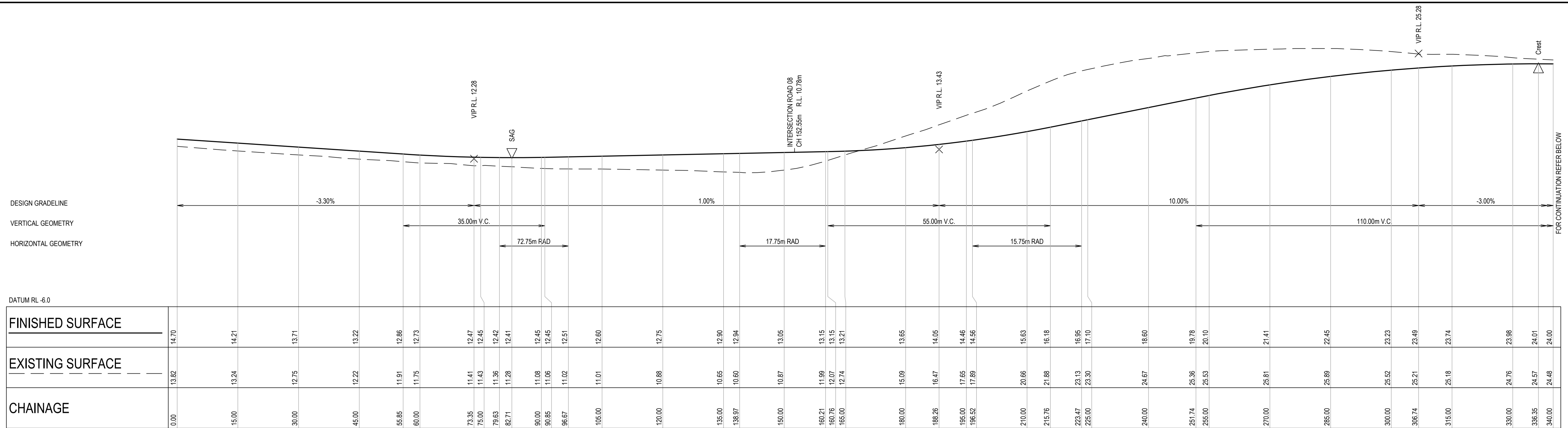
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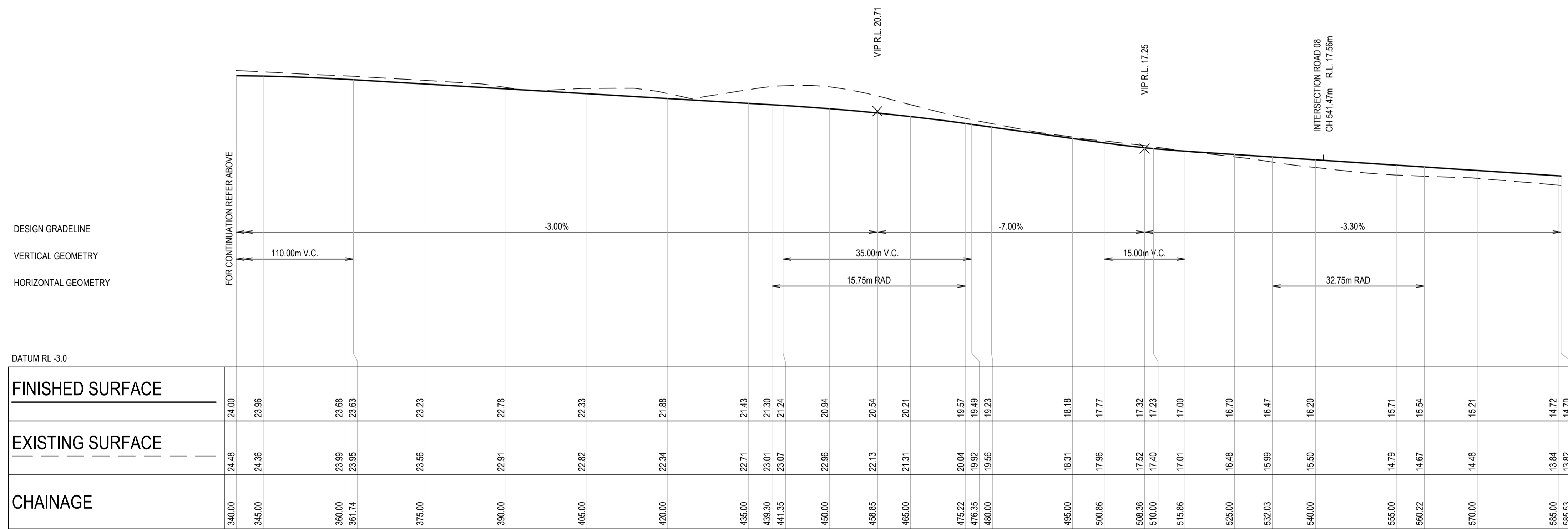
Title
ROAD LONGITUDINAL SECTIONS

SHEET 13

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.13
Size A1	Revision 1
Datum MGA 2020	



ROAD 16 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 16 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

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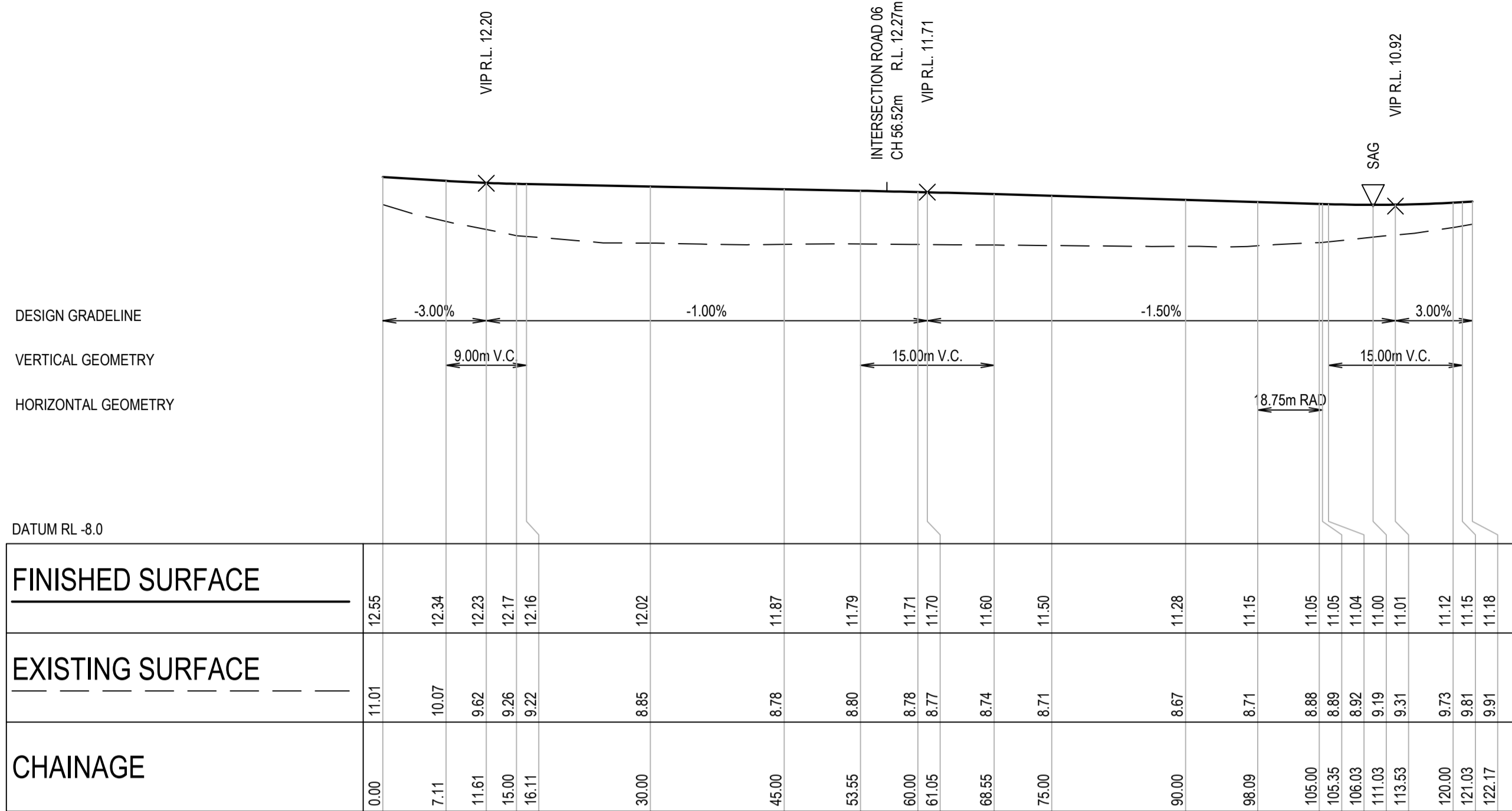
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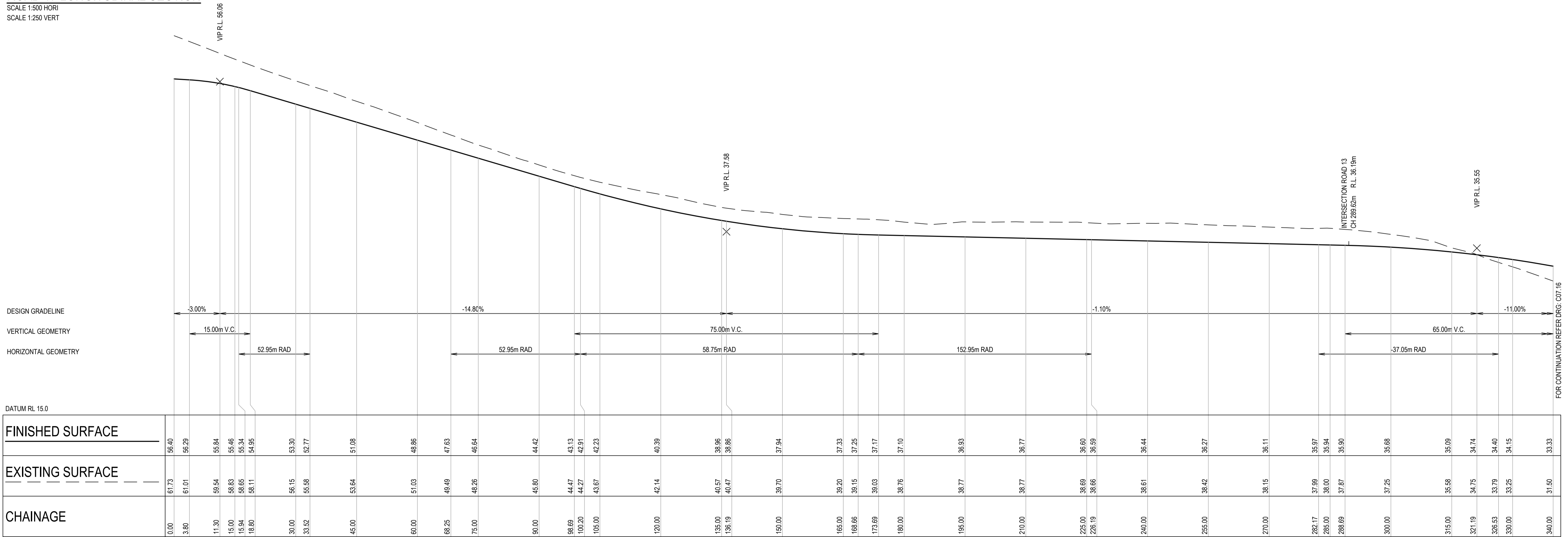
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 14

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.14
Size A1	Revision 1
Datum MGA 2020	



ROAD 17 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 18 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV	DATE	DESCRIPTION	DRN	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m North

SCALE 1:250 @A1

SCALE 1:500 @A1

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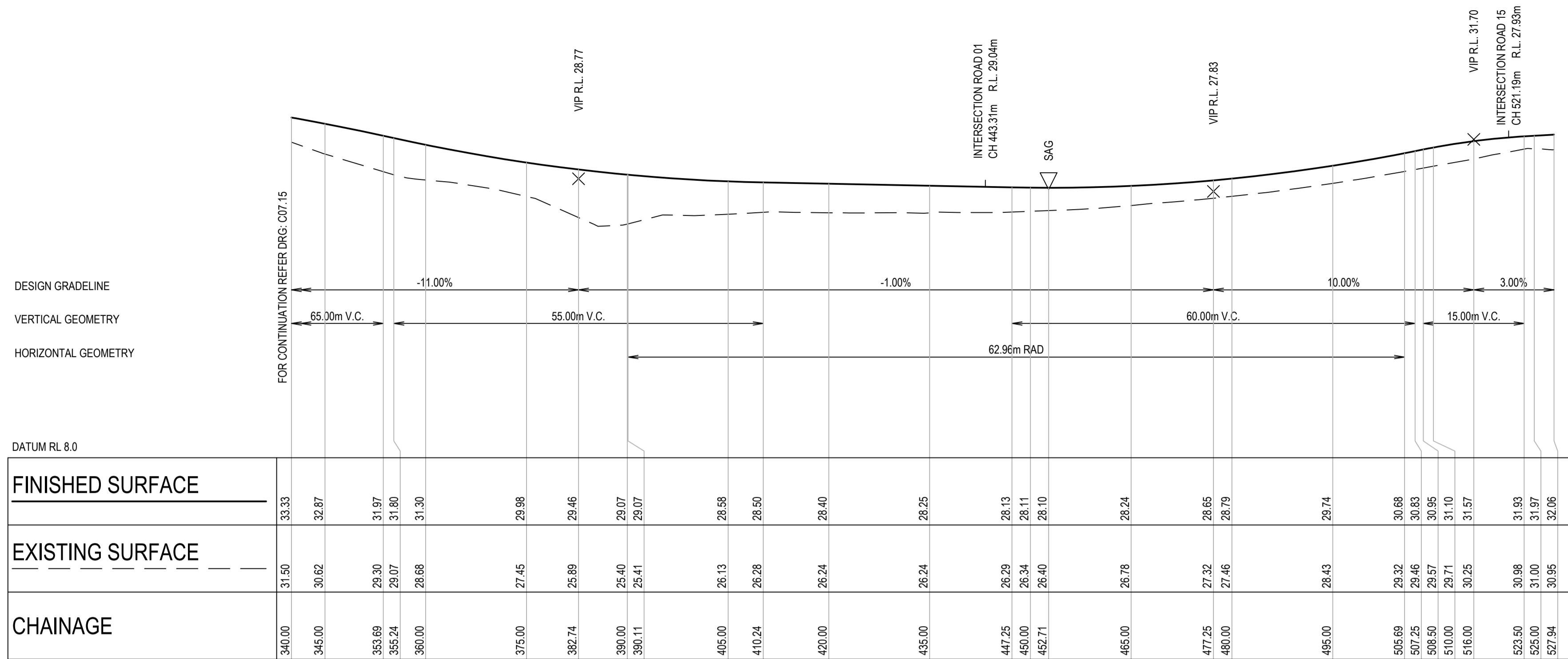
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Project
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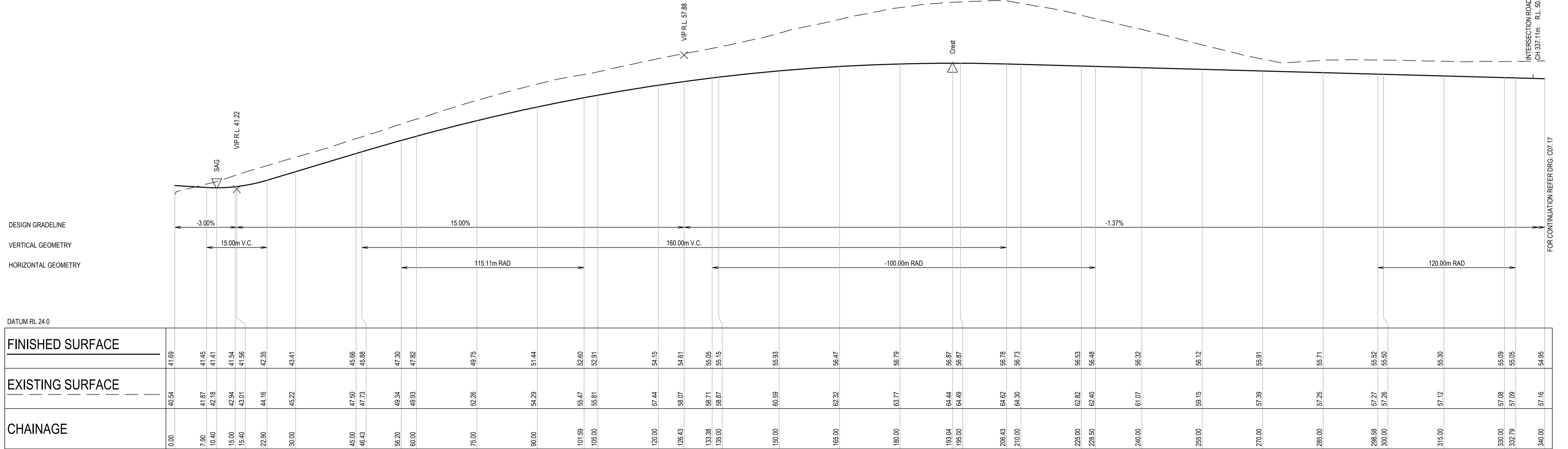
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 15

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C07.15
Datum MGA 2020	Revision 1



ROAD 18 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 19 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			

Client

Scale 0 5 10 15 20 25m
SCALE 1:250 @A1
0 10 20 30 40 50m
SCALE 1:500 @A1

North

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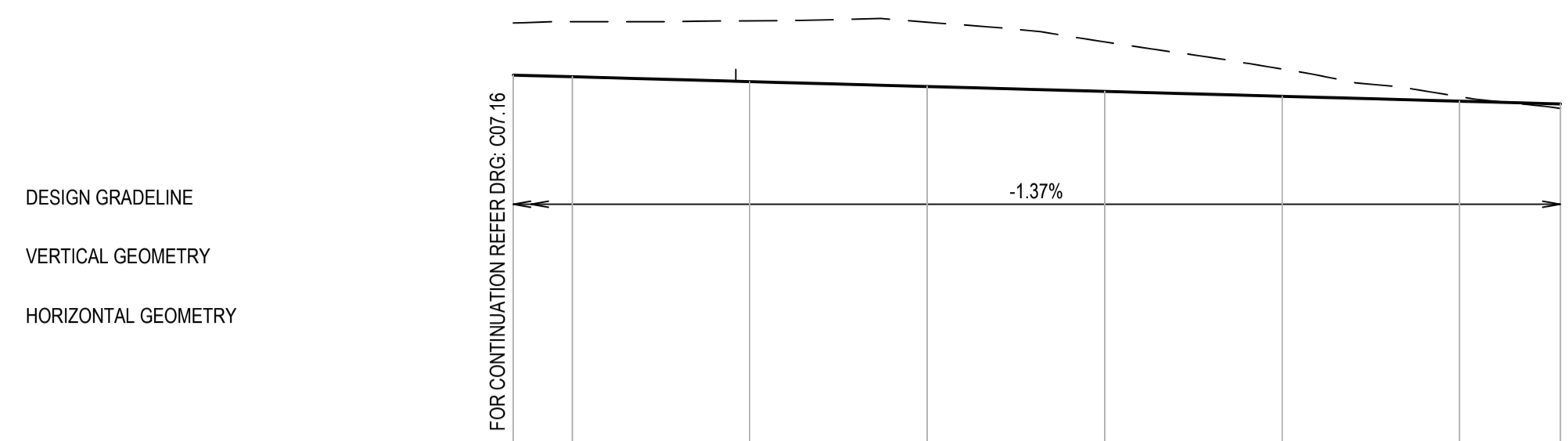
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ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
ROAD LONGITUDINAL SECTIONS

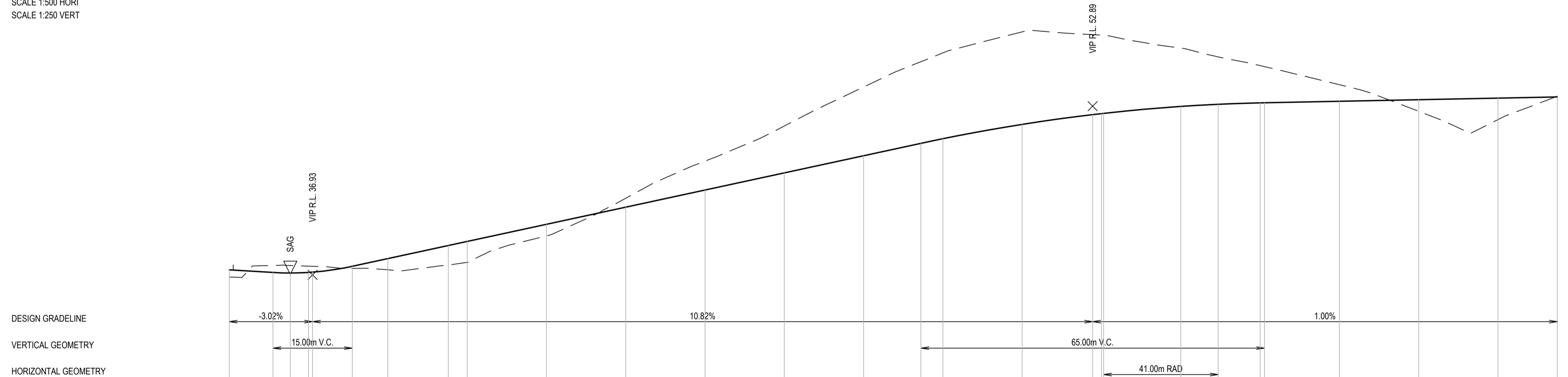
SHEET 16

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.16
Size A1	Revision 1
Datum MGA 2020	



	340.00	345.00	360.00	375.00	390.00	405.00	420.00	428.51
FINISHED SURFACE	54.95	54.88	54.68	54.47	54.27	54.06	53.86	53.74
EXISTING SURFACE	57.16	57.21	57.24	57.18	56.96	55.21	54.05	53.54
CHAINAGE	340.00	345.00	360.00	375.00	390.00	405.00	420.00	428.51

ROAD 19 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



	0.00	8.26	11.54	15.00	15.76	23.26	30.00	41.43	45.00	60.00	75.00	90.00	105.00	120.00	130.83	135.00	150.00	163.33	165.00	165.41	180.00	187.08	195.00	195.83	210.00	225.00	240.00	251.23
FINISHED SURFACE	37.41	37.16	37.11	37.16	37.19	37.74	38.47	39.70	40.09	41.71	43.34	44.96	46.58	48.20	49.37	49.81	51.17	52.09	52.19	52.21	52.87	53.07	53.21	53.21	53.36	53.51	53.66	53.77
EXISTING SURFACE	36.71	37.82	37.81	37.75	37.74	37.54	37.41	37.85	38.12	40.62	44.18	47.69	51.01	54.71	57.10	57.93	59.92	59.66	59.62	59.61	58.38	57.56	56.73	56.63	54.92	52.41	51.62	49.84
CHAINAGE	0.00	8.26	11.54	15.00	15.76	23.26	30.00	41.43	45.00	60.00	75.00	90.00	105.00	120.00	130.83	135.00	150.00	163.33	165.00	165.41	180.00	187.08	195.00	195.83	210.00	225.00	240.00	251.23

ROAD 20 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

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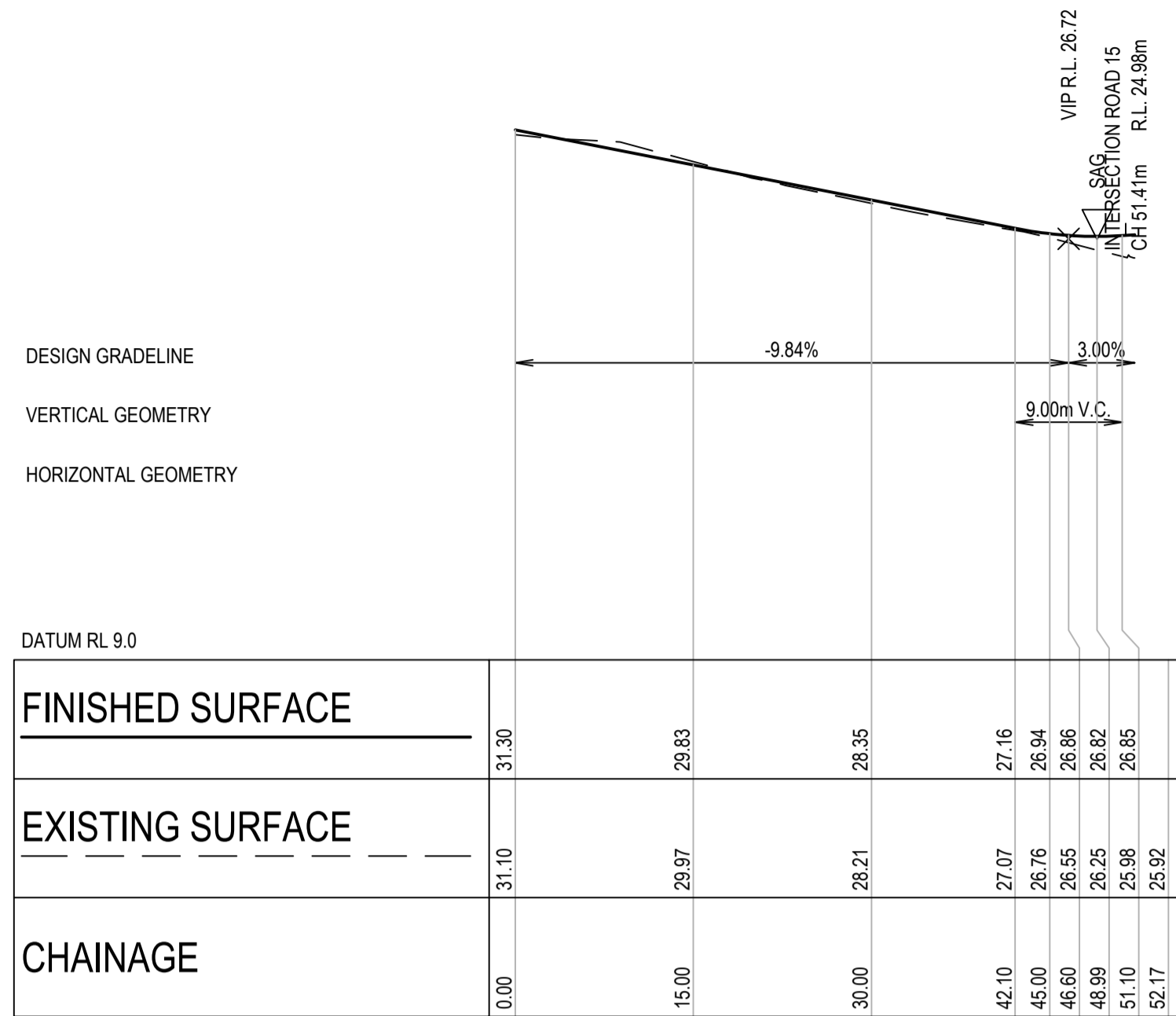
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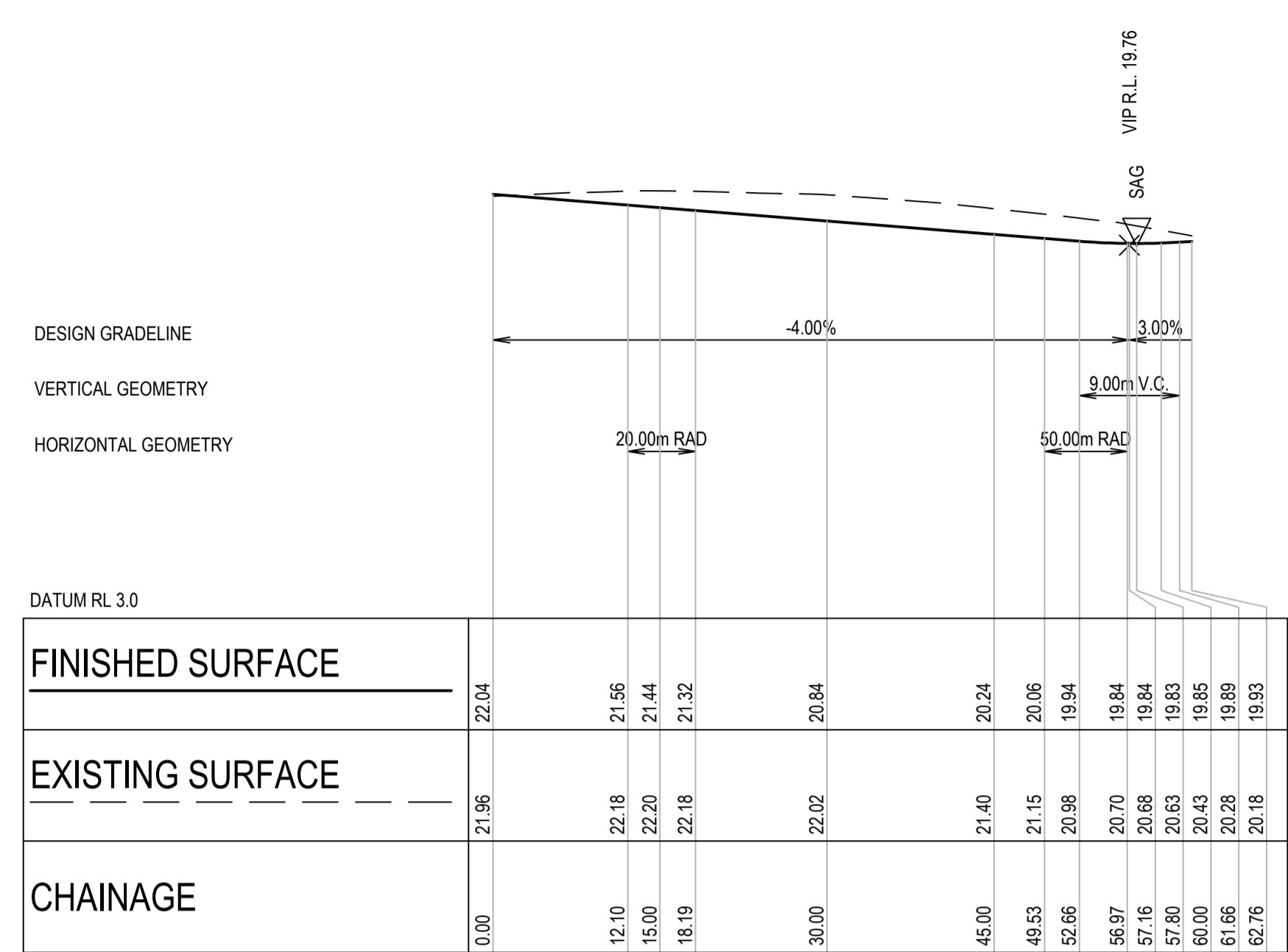
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 17

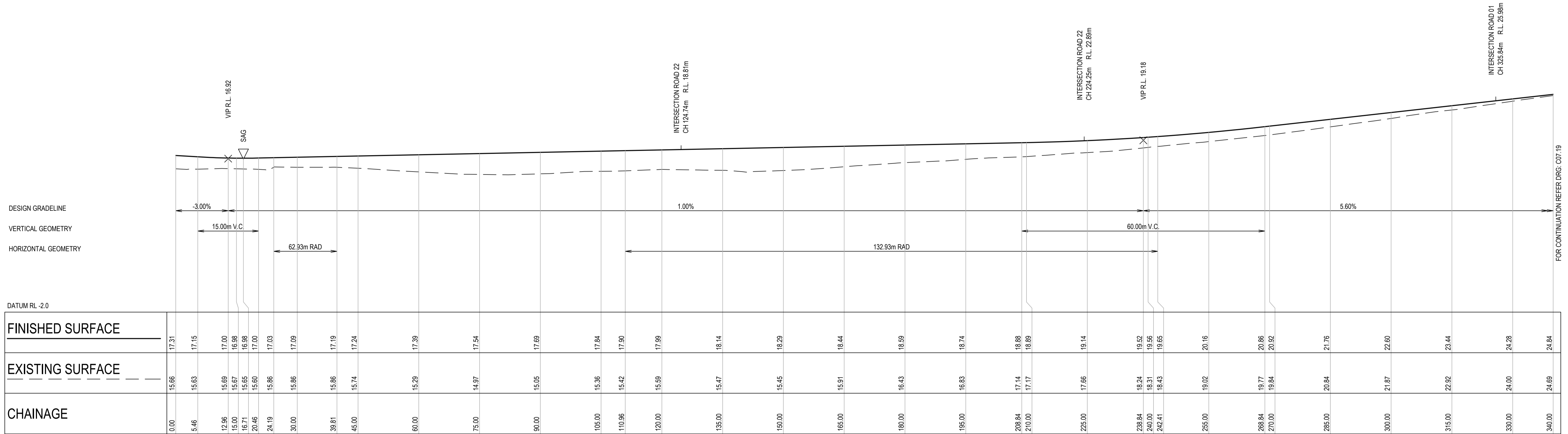
Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.17
Size A1	Revision 1
Datum MGA 2020	



ROAD 21 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 22 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 23 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

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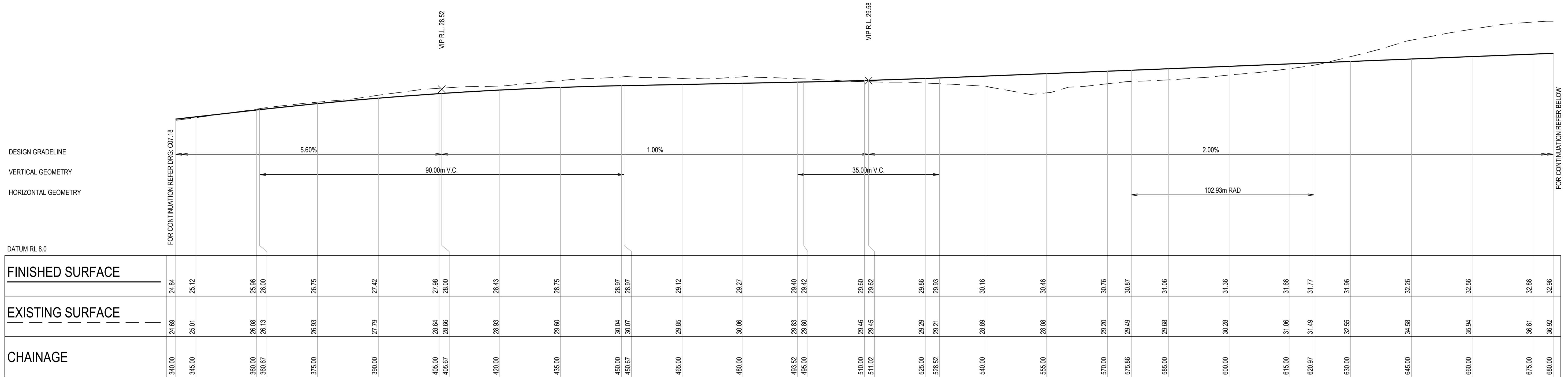
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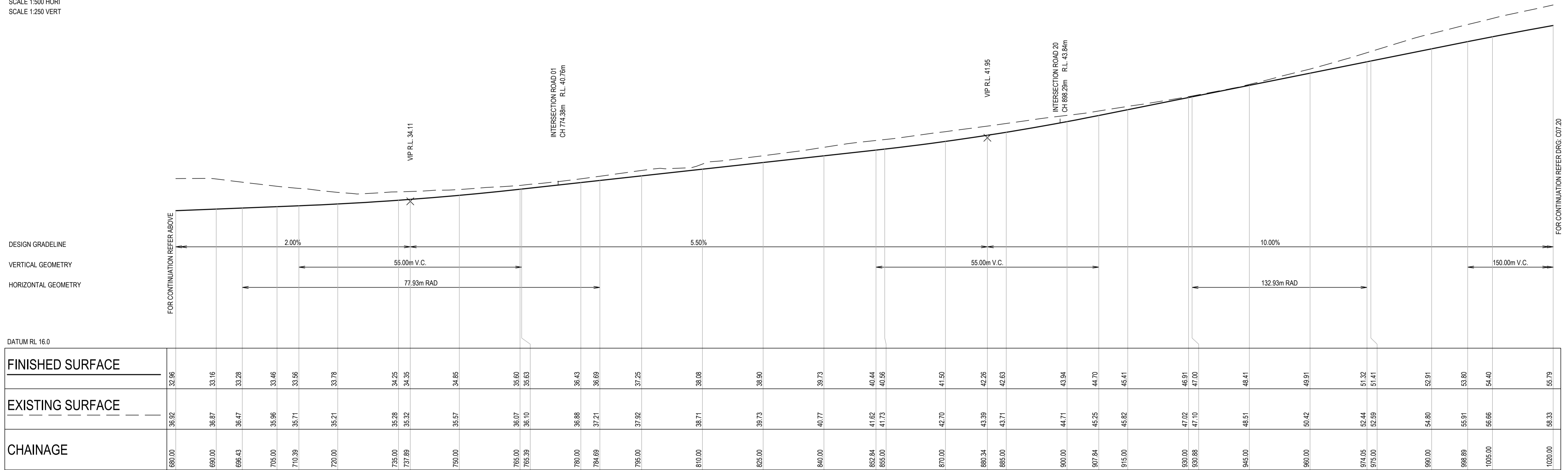
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 18

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.18
Size A1	Revision 1
Datum MGA 2020	



ROAD 23 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 23 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

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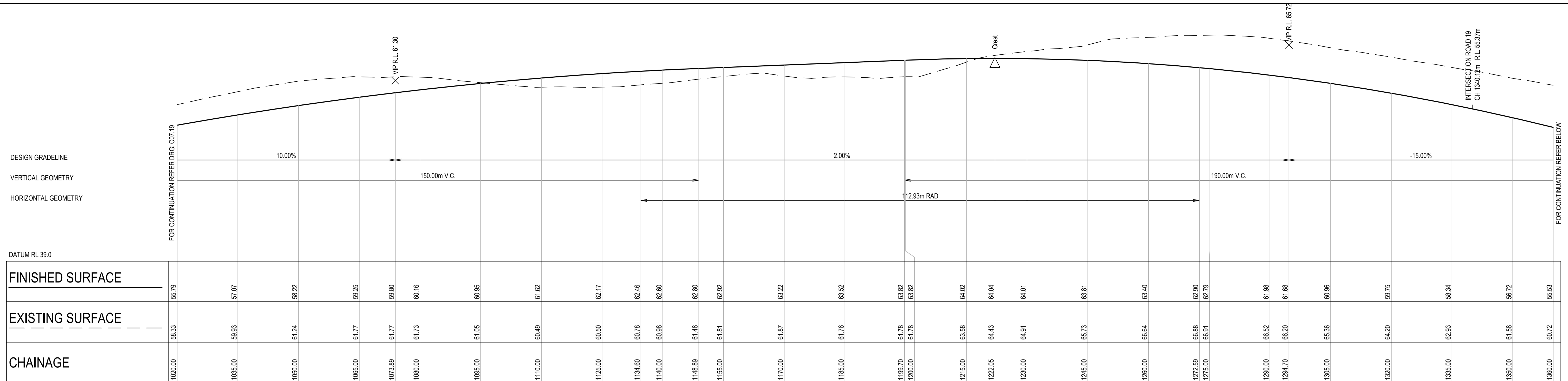
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 CIVIL ENGINEERING WORKS

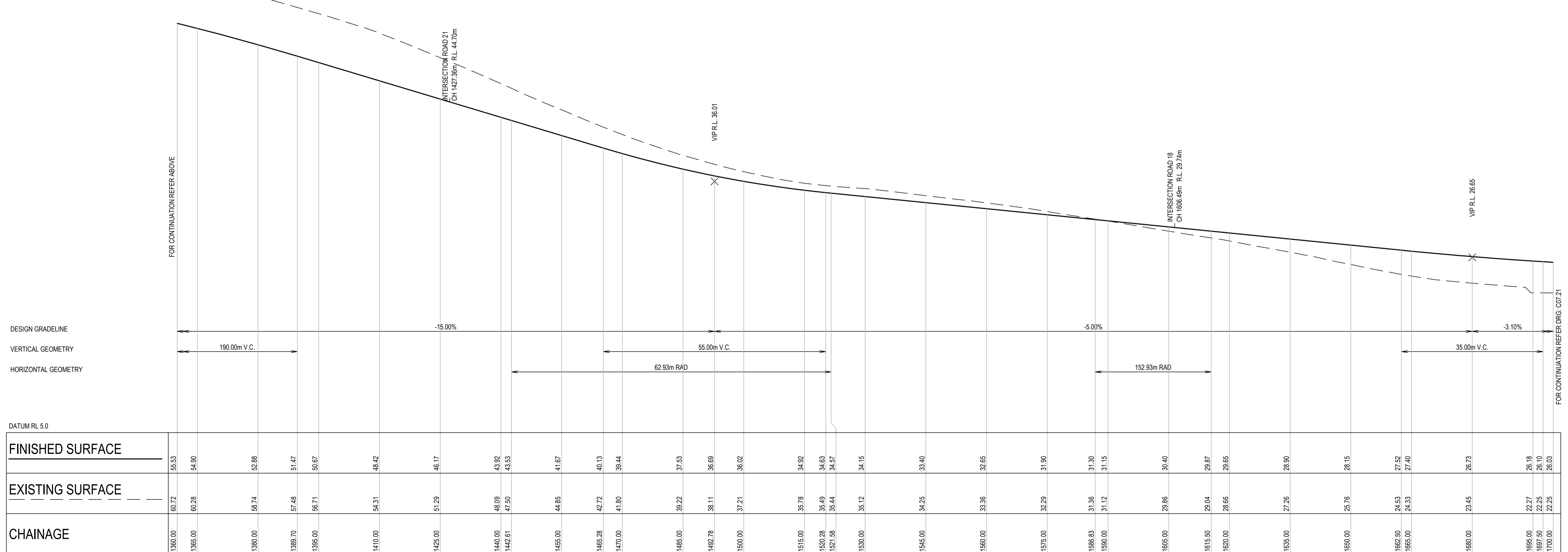
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 19

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.19
Size A1	Revision 1
Datum MGA 2020	



ROAD 23 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 23 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT

1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF. APPD.

Client

Scale 0 5 10 15 20 25m
SCALE 1:250 @A1

Scale 0 10 20 30 40 50m
SCALE 1:500 @A1

North

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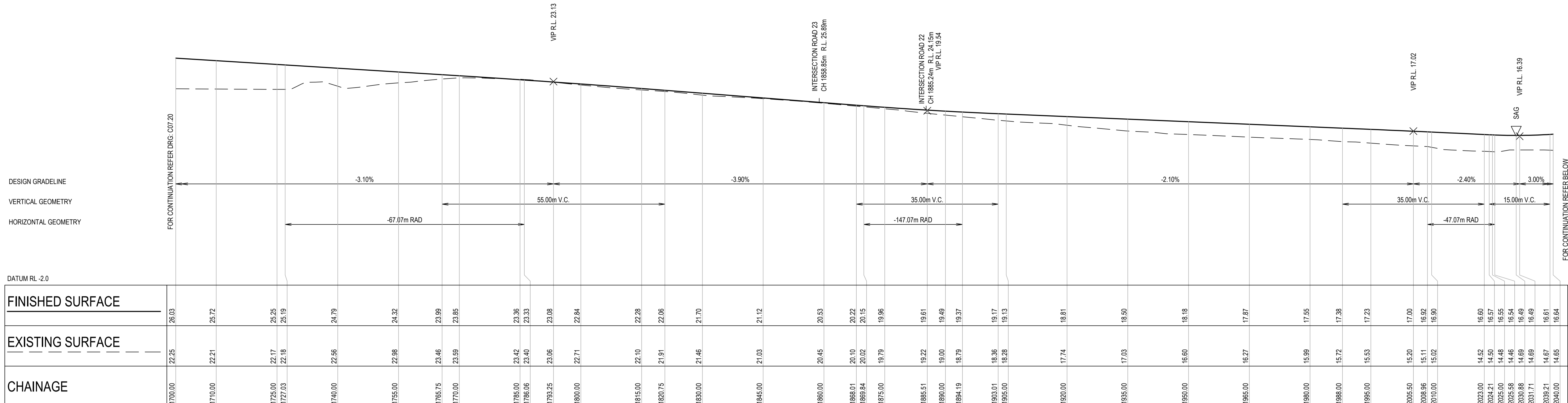
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CIVIL ENGINEERING WORKS

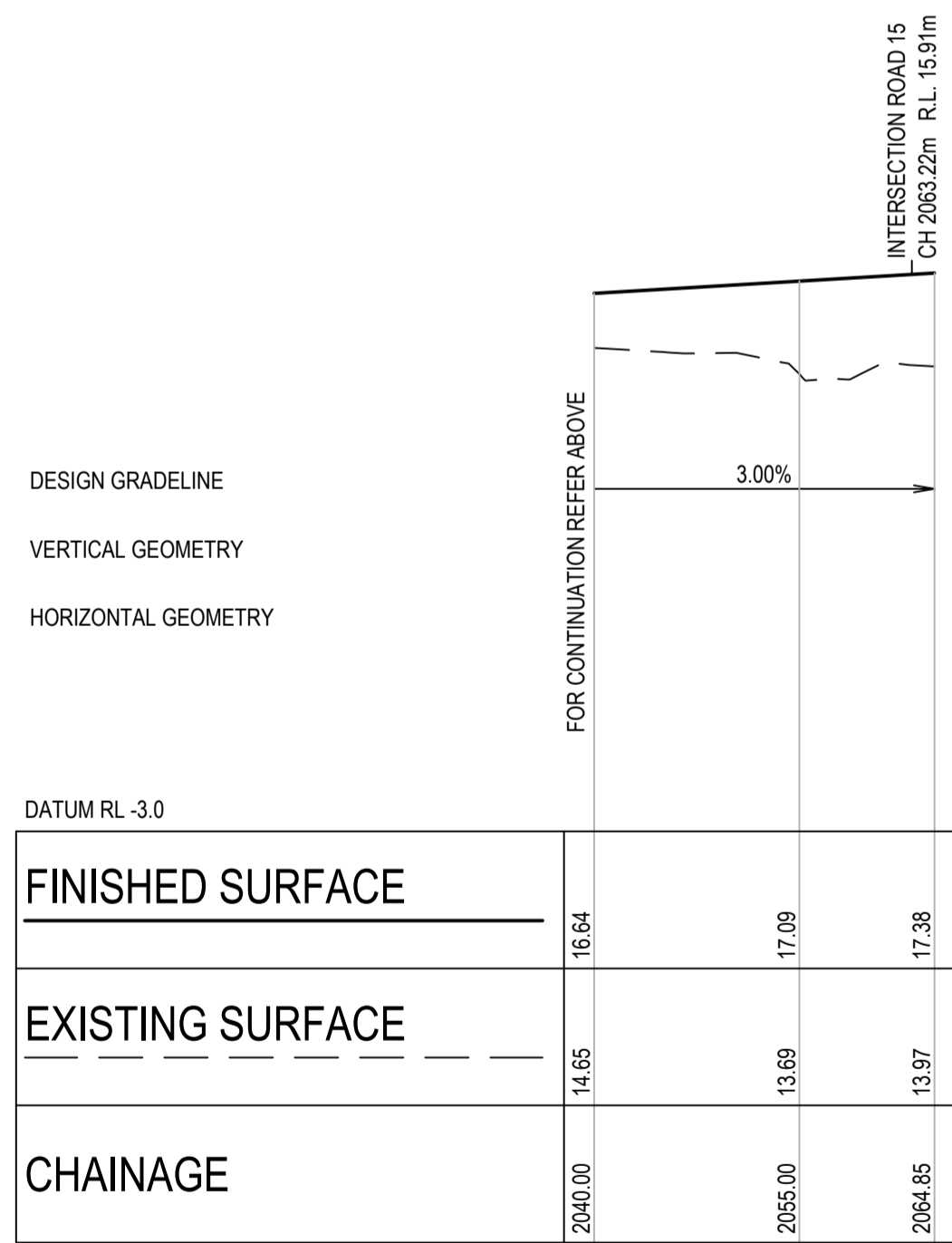
Title
ROAD LONGITUDINAL SECTIONS

SHEET 20

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.20
Size A1	Revision 1
Datum MGA 2020	



ROAD 23 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 23 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client

Scale

SCALE 1:250 @A1
SCALE 1:500 @A1

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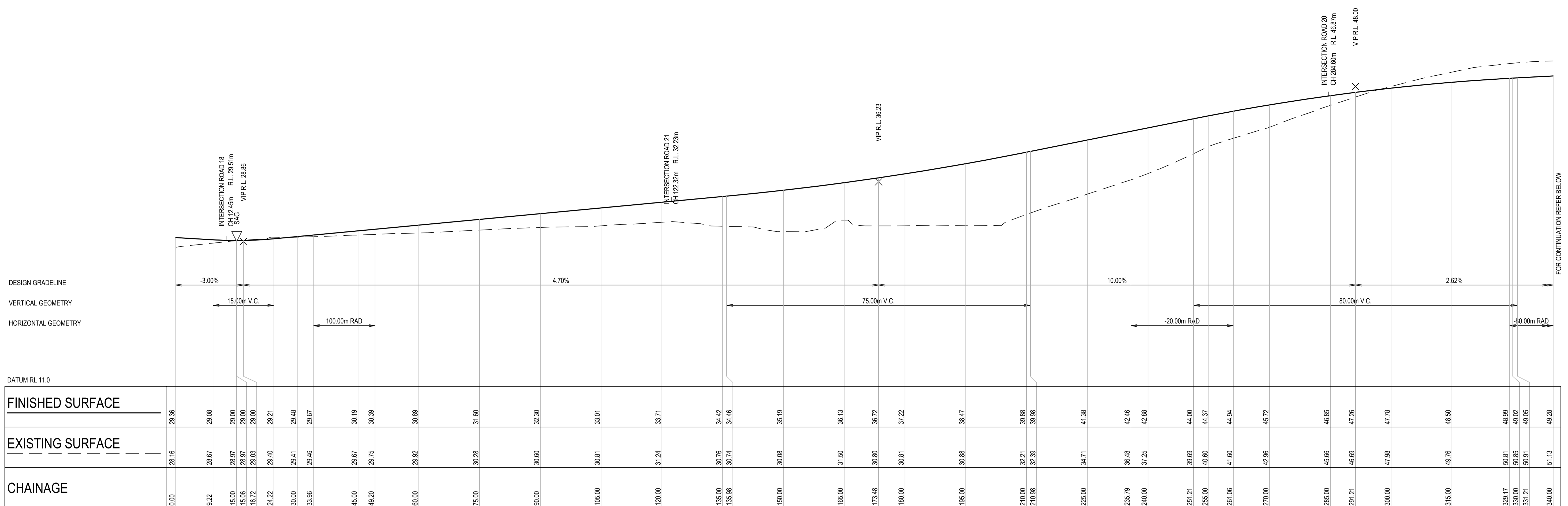
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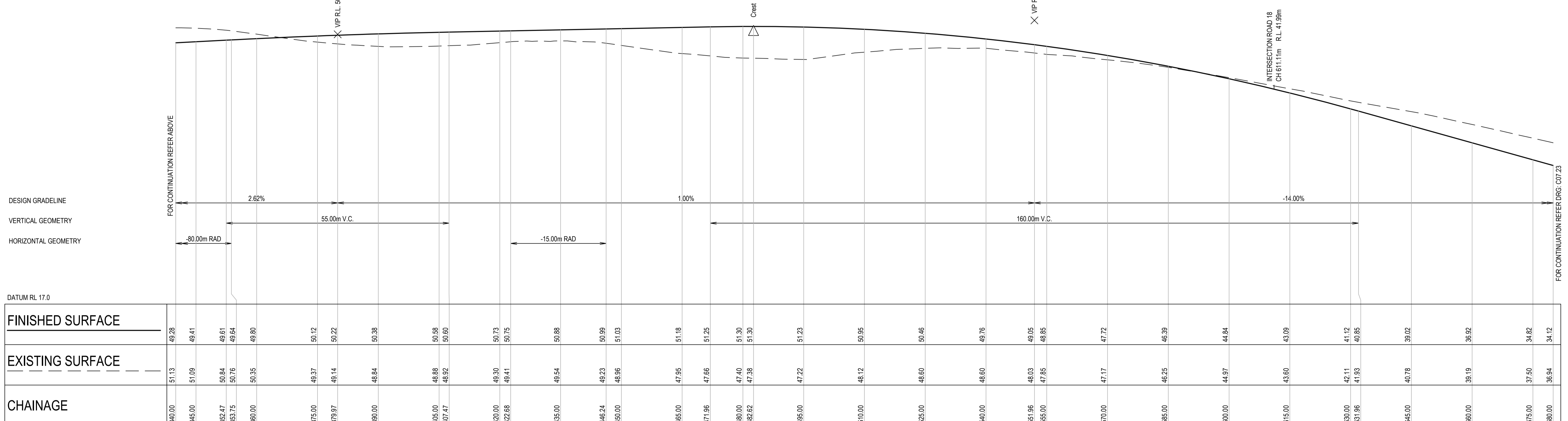
Title
ROAD LONGITUDINAL SECTIONS

SHEET 21

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.21
Size A1	Revision 1
Datum MGA 2020	



ROAD 24 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT



ROAD 24 LONGITUDINAL SECTION
SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale 0 5 10 15 20 25m
SCALE 1:250 @A1

Scale 0 10 20 30 40 50m
SCALE 1:500 @A1

North

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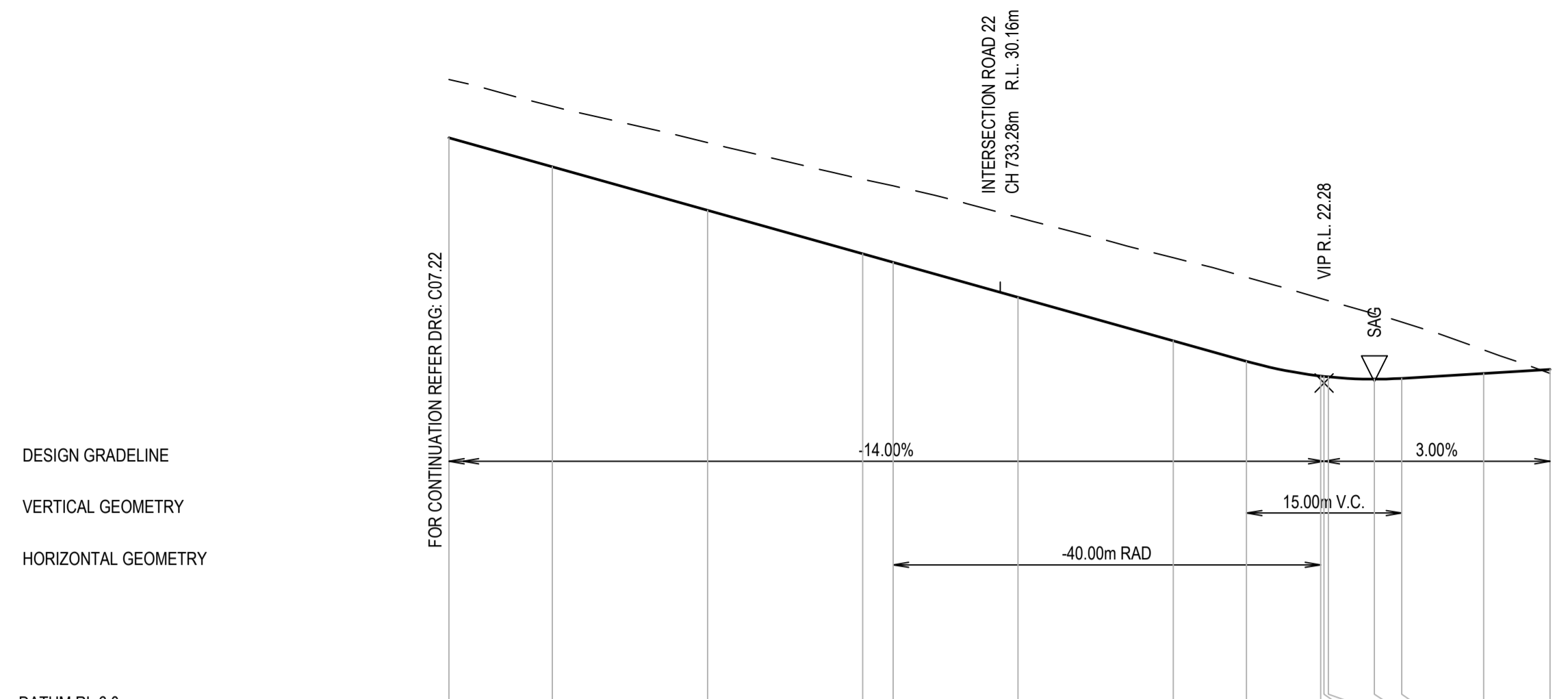
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Project
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ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
ROAD LONGITUDINAL SECTIONS

SHEET 22

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.22
Size A1	Revision 1
Datum MGA 2020	



	660.00	690.00	705.00	720.00	722.94	735.00	750.00	757.07	764.25	764.57	765.00	768.43	772.07	780.00	786.42
FINISHED SURFACE	34.12	32.72	30.62	28.52	28.11	26.42	24.32	23.33	22.62	22.60	22.58	22.47	22.51	22.74	22.94
EXISTING SURFACE	35.94	35.65	33.89	32.12	31.80	30.28	28.33	27.39	26.36	26.32	26.25	25.62	25.23	23.88	22.75
CHAINAGE	660.00	690.00	705.00	720.00	722.94	735.00	750.00	757.07	764.25	764.57	765.00	768.43	772.07	780.00	786.42

ROAD 24 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



	0.00	9.26	15.00	16.76	24.26	30.00	45.00	48.51	60.00	75.00	83.51	90.00	105.00	118.51	120.00	135.00	138.40	150.00	165.00	180.00	190.90	195.00	210.00	225.00	240.00	243.40	255.00	270.00	271.13	276.63	283.13	285.00	286.13	291.98
FINISHED SURFACE		48.97	48.67	48.52	47.62	46.76	44.51	43.99	42.38	40.61	39.79	39.24	38.25	37.69	37.64	37.19	37.09	36.68	35.99	35.10	34.33	34.02	32.75	31.28	29.62	29.21	27.82	26.02	25.89	25.27	25.17	25.19	25.21	22.18
EXISTING SURFACE	51.13	49.09	47.82	47.39	45.56	44.33	41.07	40.34	38.08	35.01	33.07	32.39	33.68	33.80	33.77	33.43	33.31	32.79	32.01	30.93	29.96	29.57	28.03	26.30	24.66	24.32	23.17	22.19	22.19	22.21	22.19	22.19	22.19	22.18
CHAINAGE	0.00	9.26	15.00	16.76	24.26	30.00	45.00	48.51	60.00	75.00	83.51	90.00	105.00	118.51	120.00	135.00	138.40	150.00	165.00	180.00	190.90	195.00	210.00	225.00	240.00	243.40	255.00	270.00	271.13	276.63	283.13	285.00	286.13	291.98

ROAD 25 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

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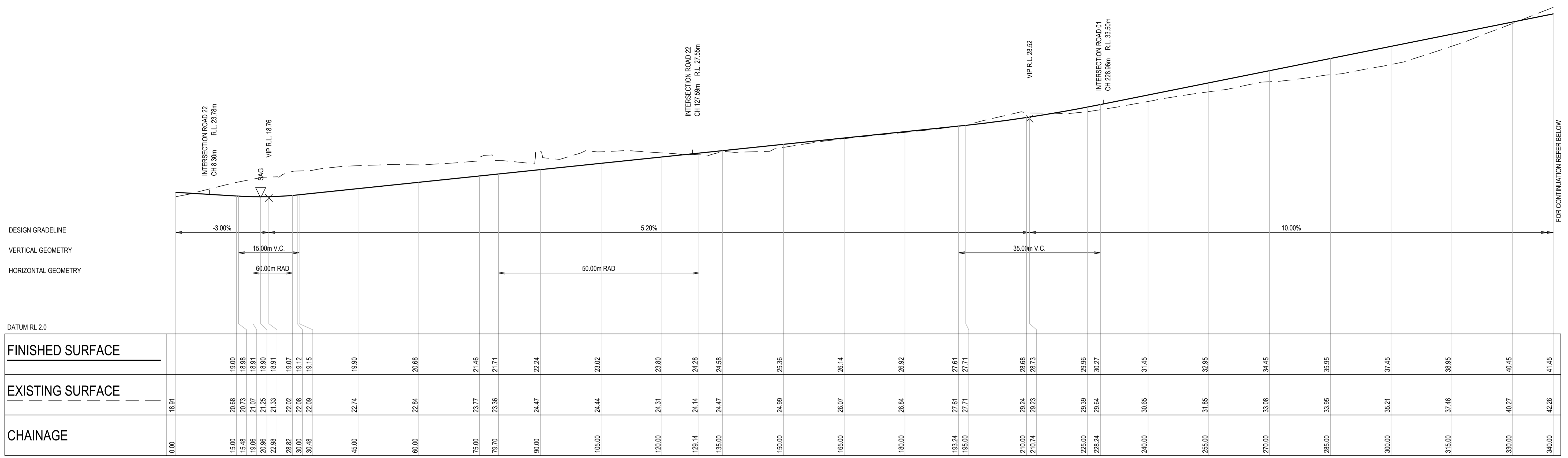
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Project
 BEVIAN ROAD
 ROSEDALE NSW 2536
 CIVIL ENGINEERING WORKS

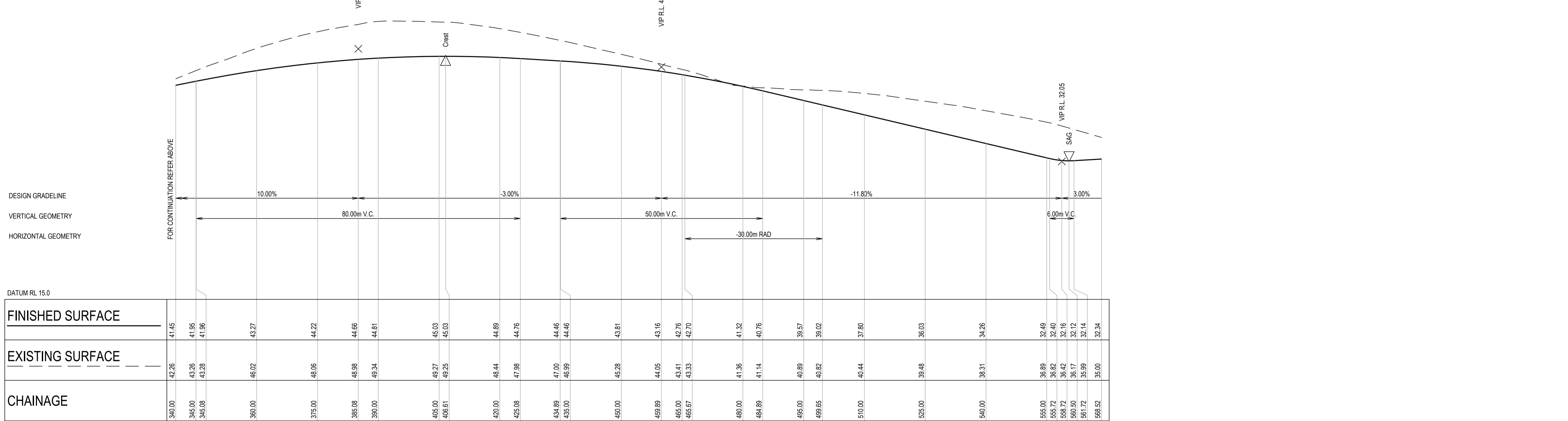
Title
 ROAD LONGITUDINAL SECTIONS

SHEET 23

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C07.23
Datum MGA 2020	Revision 1



ROAD 26 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 26 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			

Client

Scale

North

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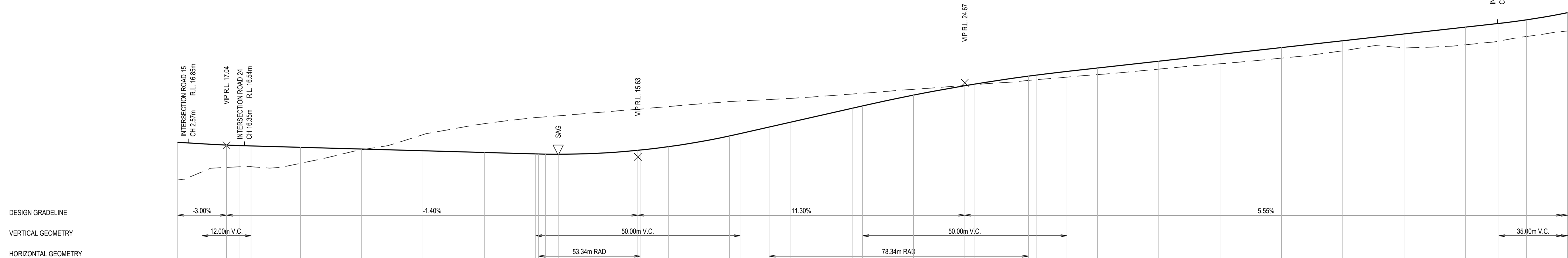
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Project
 BEVIAN ROAD
 ROSEDALE NSW 2536
 CIVIL ENGINEERING WORKS

Title
 ROAD LONGITUDINAL SECTIONS

SHEET 24

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.24
Size A1	Revision 1
Datum MGA 2020	



CHAINAGE	0.00	5.83	11.93	14.34	14.41	17.01	16.96	30.00	14.84	16.79	45.00	16.58	60.00	18.33	16.37	75.00	16.16	87.56	20.42	15.98	88.27	20.45	15.98	90.00	20.52	15.96	93.07	20.64	15.95	105.00	21.13	16.13	112.56	21.44	16.43	113.13	21.46	16.46	120.00	21.76	16.87	135.00	22.38	18.18	137.56	22.45	18.46	144.68	22.63	19.26	150.00	22.77	19.87	165.00	23.30	21.56	167.54	23.39	21.85	180.00	23.87	23.17	192.54	24.35	24.31	195.00	24.44	24.52	208.09	24.96	25.48	210.00	25.06	25.61	217.54	25.36	26.06	225.00	25.67	26.47	240.00	26.34	27.31	255.00	27.00	28.14	270.00	27.68	28.97	285.00	28.57	29.80	300.00	28.95	30.64	315.00	29.31	31.47	323.22	29.76	31.92	330.00	30.33	32.36	340.00	31.00	33.24
FINISHED SURFACE	17.40	17.22	17.07	17.01	16.96	16.79	16.58	16.37	16.16	15.98	15.98	15.96	15.95	16.13	16.43	16.46	16.87	18.18	18.46	19.26	19.87	21.56	21.85	23.17	24.31	24.52	25.48	25.61	26.06	26.47	27.31	28.14	28.97	29.80	30.64	31.47	31.92	32.36	33.24																																																																				
EXISTING SURFACE	13.79	14.34	14.41	14.43	14.84	16.50	18.33	19.68	20.42	20.45	20.52	20.64	21.13	21.44	21.46	21.76	22.38	22.45	22.63	22.77	23.30	23.39	23.87	24.35	24.44	24.96	25.06	25.36	25.67	26.34	27.00	27.68	28.57	28.95	29.31	29.76	30.33	31.00																																																																					

ROAD 27 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ	MTL	

Client

Scale 0 5 10 15 20 25m
 SCALE 1:250 @A1
 0 10 20 30 40 50m
 SCALE 1:500 @A1

North

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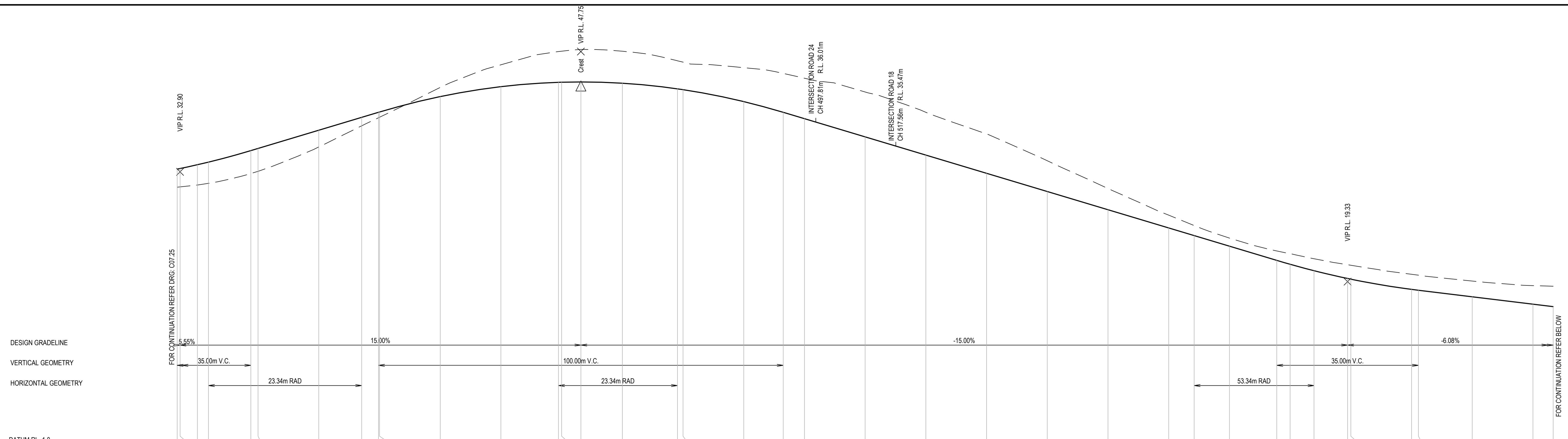
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Project
 BEVIAN ROAD
 ROSEDALE NSW 2536
 CIVIL ENGINEERING WORKS

Title
 ROAD LONGITUDINAL SECTIONS

SHEET 25

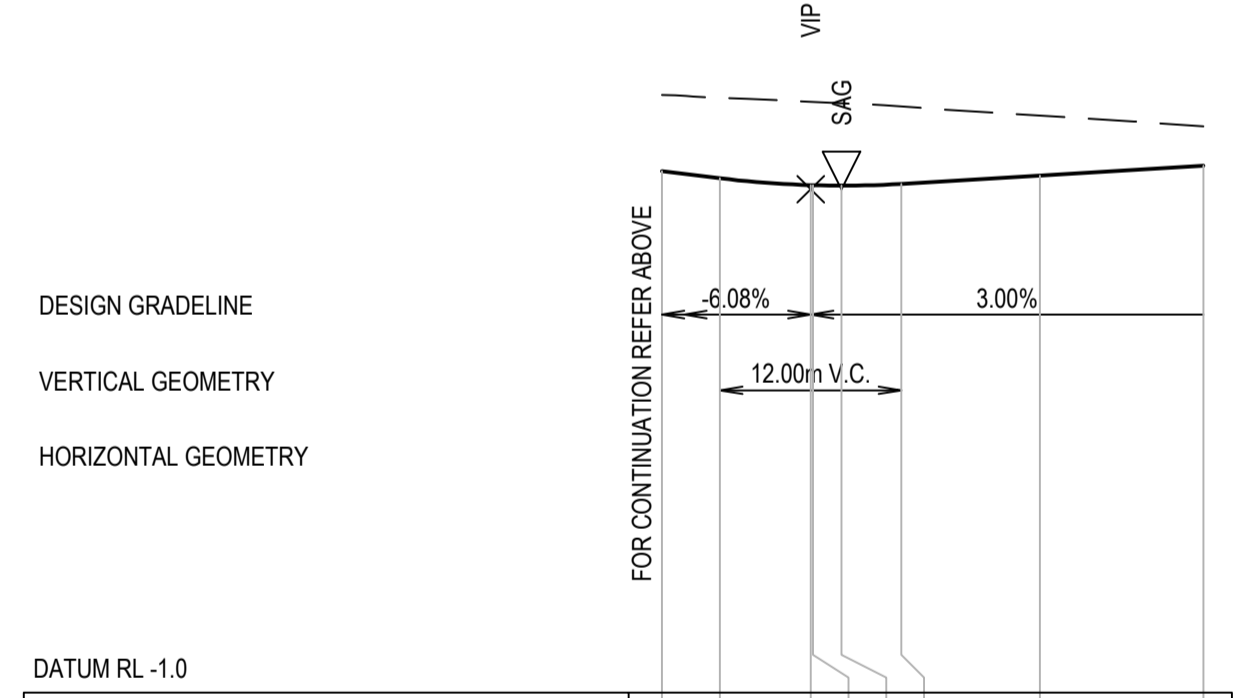
Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.25
Size A1	Revision 1
Datum MGA 2020	



CHAINAGE	340.00	341.72	345.00	347.74	352.22	360.00	375.00	385.59	389.75	390.00	405.00	420.00	434.22	435.00	439.75	450.00	460.00	489.75	495.00	510.00	525.00	540.00	555.00	570.00	585.00	591.28	600.00	611.70	615.00	620.91	629.20	630.00	645.00	646.70	660.00	675.00	680.00
FINISHED SURFACE	33.24	33.31	33.77	34.10	35.52	35.79	38.04	39.63	40.25	40.29	42.19	43.42	43.95	43.97	44.00	43.84	41.57	40.25	39.46	37.21	34.96	32.71	30.46	28.21	25.96	25.02	23.71	21.96	21.48	20.69	19.72	19.64	18.38	18.27	17.46	16.55	16.24
EXISTING SURFACE	31.00	31.04	31.27	31.47	32.66	32.96	35.97	36.58	38.57	39.63	43.32	46.12	47.76	47.80	48.02	47.80	45.76	45.05	44.46	42.76	40.25	37.58	34.27	30.84	27.55	26.27	24.71	23.12	22.78	22.16	21.42	21.36	20.24	20.13	19.41	18.85	18.77

ROAD 27 LONGITUDINAL SECTION

SCALE 1:500 HORI
SCALE 1:250 VERT



CHAINAGE	680.00	683.85	689.85	690.00	691.89	695.85	705.00	715.80
FINISHED SURFACE	15.24	16.01	15.78	15.78	15.77	15.83	16.10	16.42
EXISTING SURFACE	18.77	18.67	18.54	18.53	18.49	18.38	18.08	17.72

ROAD 27 LONGITUDINAL SECTION

SCALE 1:500 HORI
SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	14/06/2024	ISSUE FOR APPROVAL	CB	EZ		MTL

Client

Scale

SCALE 1:250 @A1
SCALE 1:500 @A1

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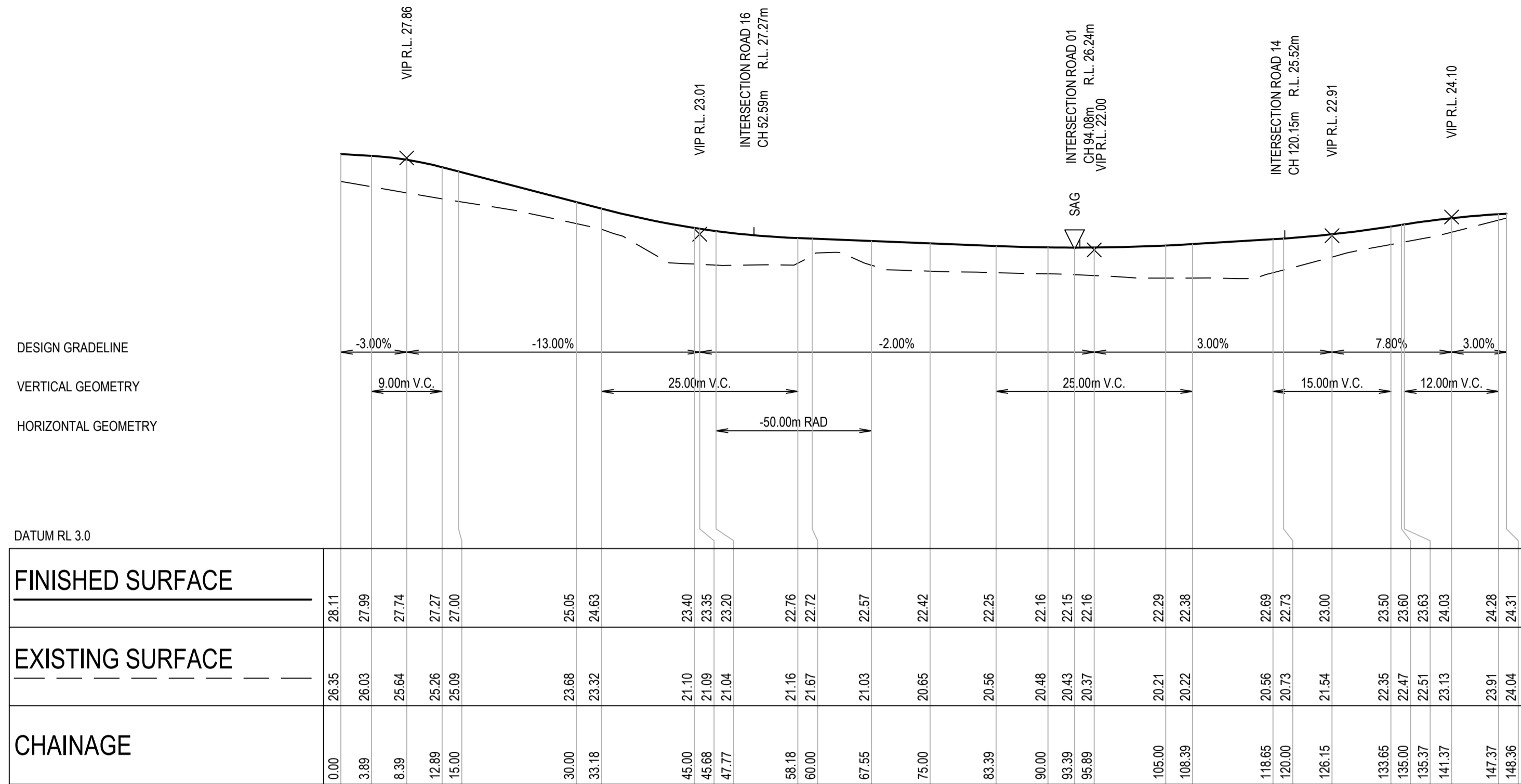
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BEVIAN ROAD
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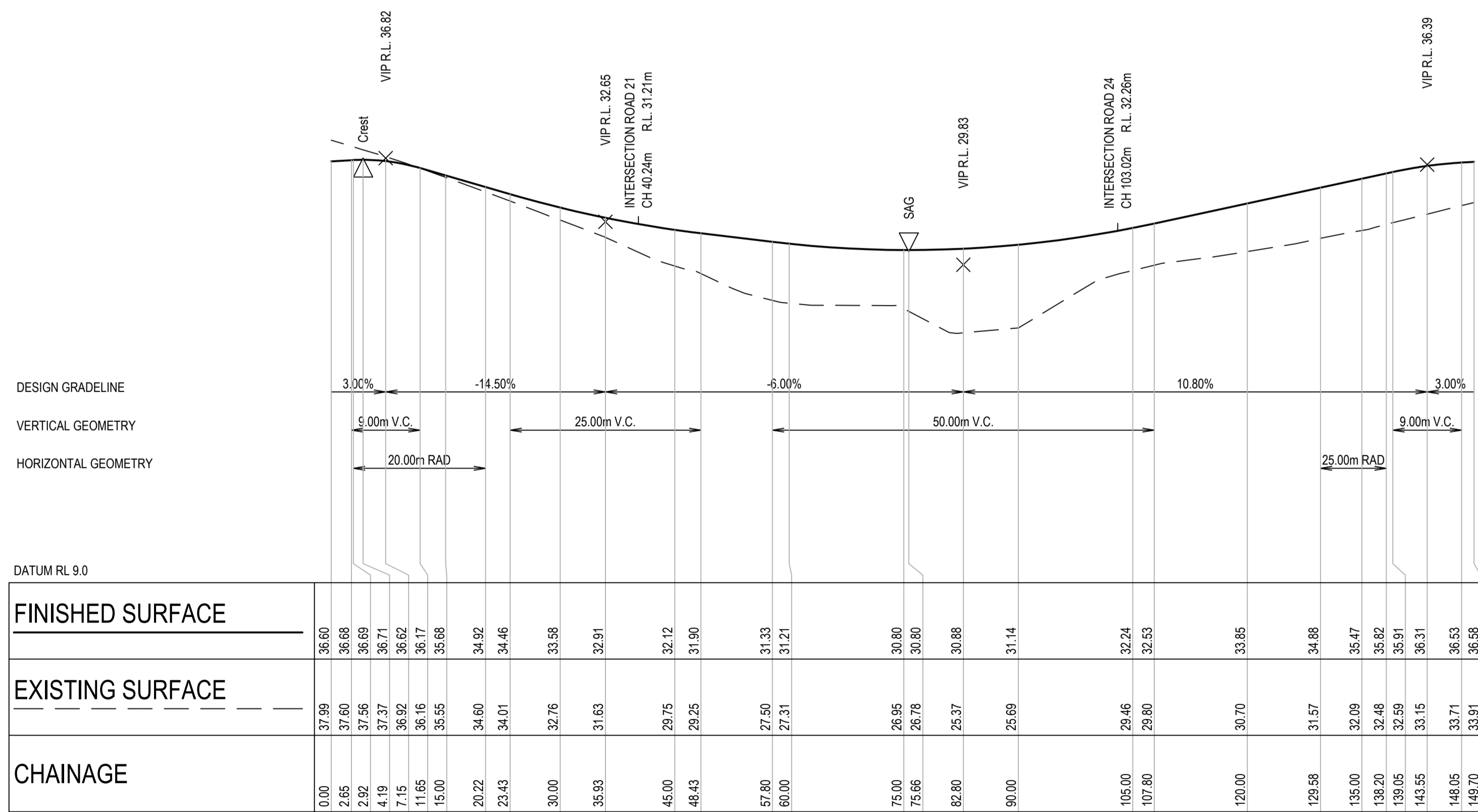
Title
ROAD LONGITUDINAL SECTIONS

SHEET 26

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	
Size A1	Project Number/Drawing Number 210123-00-C-C07.26
Datum MGA 2020	Revision 1



ROAD 28 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT



ROAD 29 LONGITUDINAL SECTION
 SCALE 1:500 HORI
 SCALE 1:250 VERT

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			

Client

Scale

North

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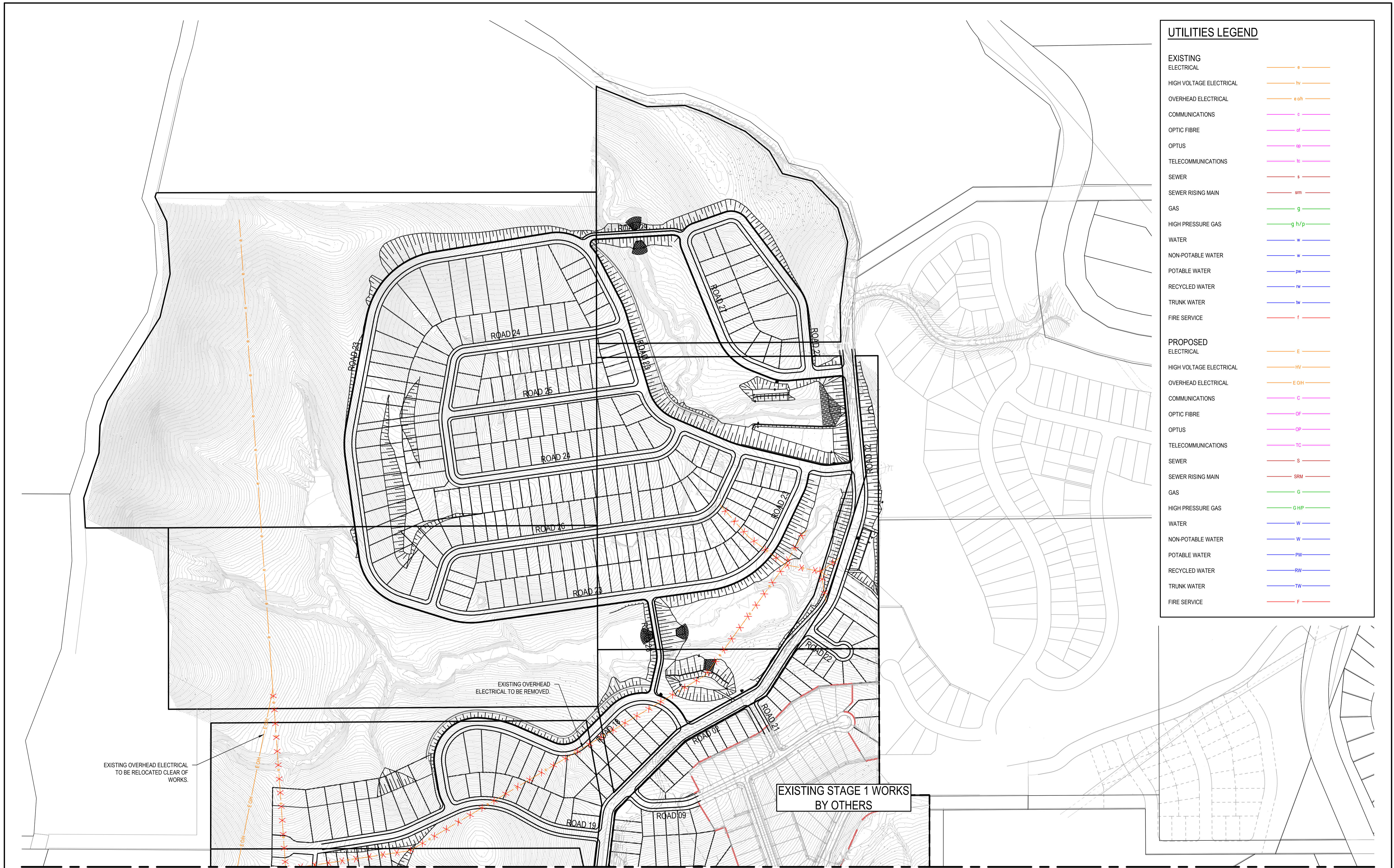
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 BEVIAN ROAD
 ROSEDALE NSW 2536
 CIVIL ENGINEERING WORKS

Title
 ROAD LONGITUDINAL SECTIONS

SHEET 27

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C07.27
Size A1	Revision 1
Datum MGA 2020	



UTILITIES LEGEND	
EXISTING	
ELECTRICAL	e
HIGH VOLTAGE ELECTRICAL	hv
OVERHEAD ELECTRICAL	ooh
COMMUNICATIONS	
OPTIC FIBRE	of
OPTUS	op
TELECOMMUNICATIONS	tc
SEWER	
SEWER RISING MAIN	sr
GAS	
HIGH PRESSURE GAS	g h/p
WATER	
NON-POTABLE WATER	w
POTABLE WATER	pw
RECYCLED WATER	rw
TRUNK WATER	tw
FIRE SERVICE	f
PROPOSED	
ELECTRICAL	
HIGH VOLTAGE ELECTRICAL	HV
OVERHEAD ELECTRICAL	E O/H
COMMUNICATIONS	
OPTIC FIBRE	OF
OPTUS	OP
TELECOMMUNICATIONS	TC
SEWER	
SEWER RISING MAIN	SRM
GAS	
HIGH PRESSURE GAS	GHP
WATER	
NON-POTABLE WATER	W
POTABLE WATER	PW
RECYCLED WATER	RW
TRUNK WATER	TW
FIRE SERVICE	F

FOR CONTINUATION REFER DRG: C12.02

REV.	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			
			DRN.	DES.	VERIF/APPD.

Client

Scale

SCALE 1:2500 @A1

North

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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
CONCEPT LEAD IN SERVICES PLAN

SHEET 01

Scale
1:2500

Date
R.I.P

Size
A1

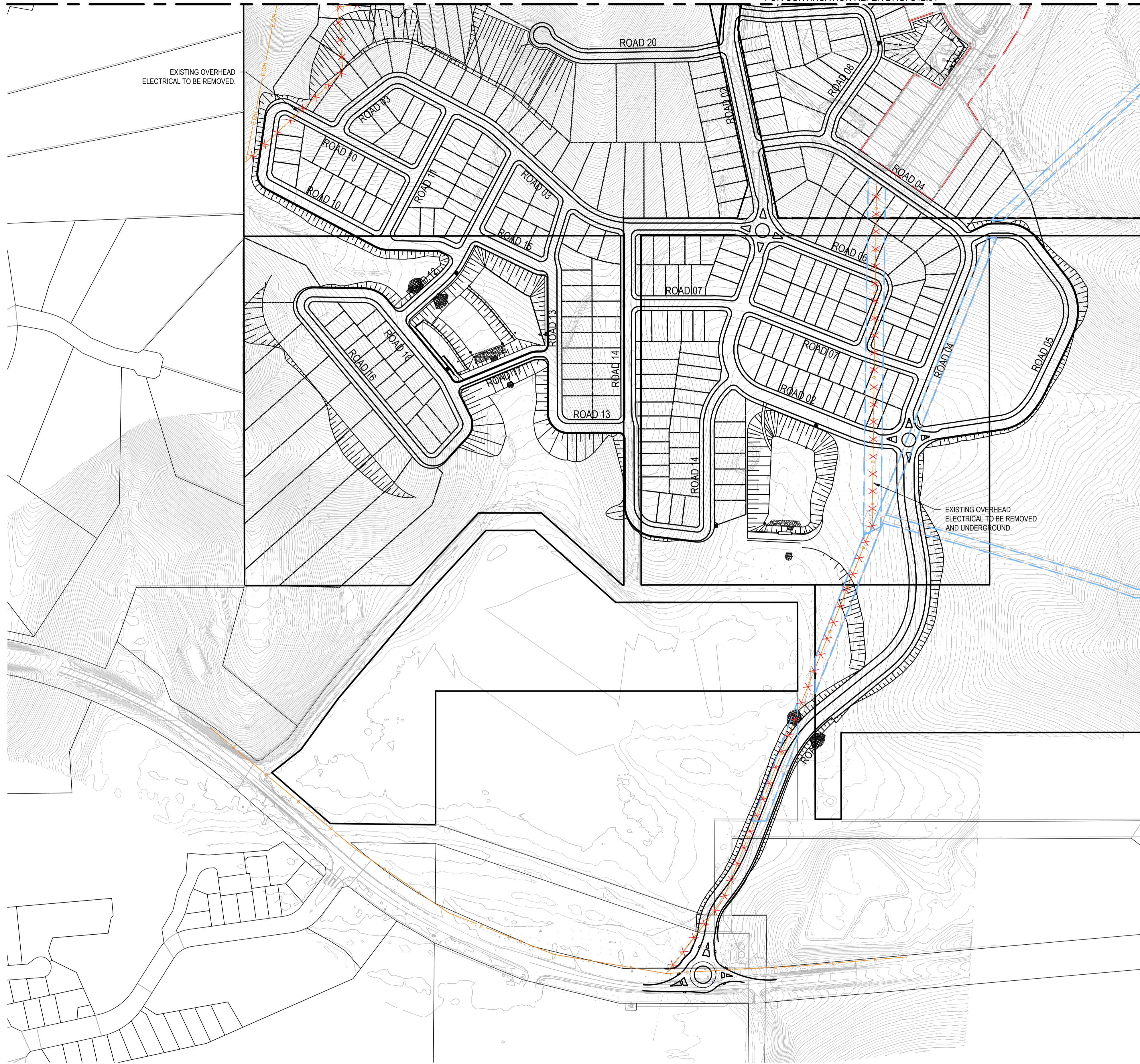
Datum
MGA 2020

Status
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NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
210123-00-C-C12.01

Revision
1

FOR CONTINUATION REFER DRG: C12.01



UTILITIES LEGEND	
EXISTING	
ELECTRICAL	e
HIGH VOLTAGE ELECTRICAL	hv
OVERHEAD ELECTRICAL	e oh
COMMUNICATIONS	
OPTIC FIBRE	of
OPTUS	op
TELECOMMUNICATIONS	tc
SEWER	
SEWER RISING MAIN	sr
GAS	
HIGH PRESSURE GAS	g h/p
WATER	
NON-POTABLE WATER	w
POTABLE WATER	pw
RECYCLED WATER	rw
TRUNK WATER	tw
FIRE SERVICE	
f	f
PROPOSED	
ELECTRICAL	
HIGH VOLTAGE ELECTRICAL	HV
OVERHEAD ELECTRICAL	E OH
COMMUNICATIONS	
OPTIC FIBRE	OF
OPTUS	OP
TELECOMMUNICATIONS	TC
SEWER	
SEWER RISING MAIN	SRM
GAS	
HIGH PRESSURE GAS	GHP
WATER	
NON-POTABLE WATER	W
POTABLE WATER	PW
RECYCLED WATER	RW
TRUNK WATER	TW
FIRE SERVICE	
F	F

REV	DATE	DESCRIPTION	CB	EZ	MTL
1	14/06/2024	ISSUE FOR APPROVAL			
			DRN	DES	VERIF
				APPD	

Client

Scale

SCALE 1:2500 @A1

North

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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
CONCEPT LEAD IN SERVICES PLAN

SHEET 02

Scale
1:2500

Date
R.I.P

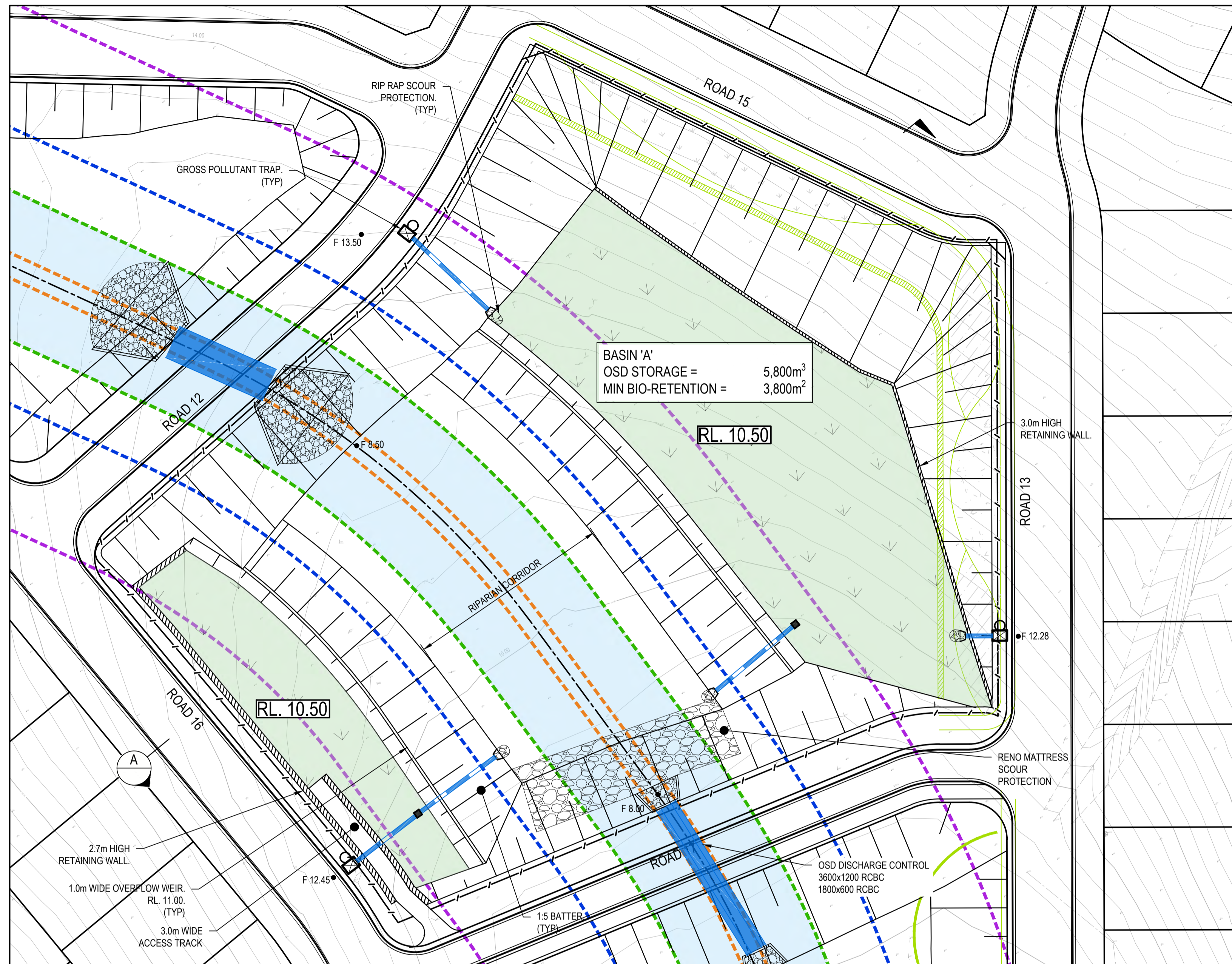
Size
A1

Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

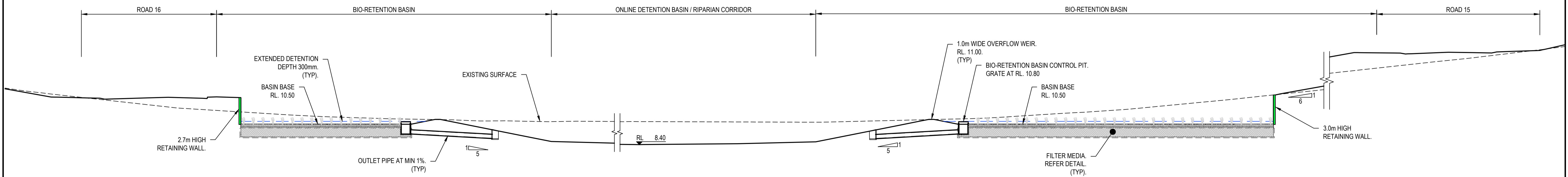
Project Number/Drawing Number
210123-00-C-C12.02

Revision
1



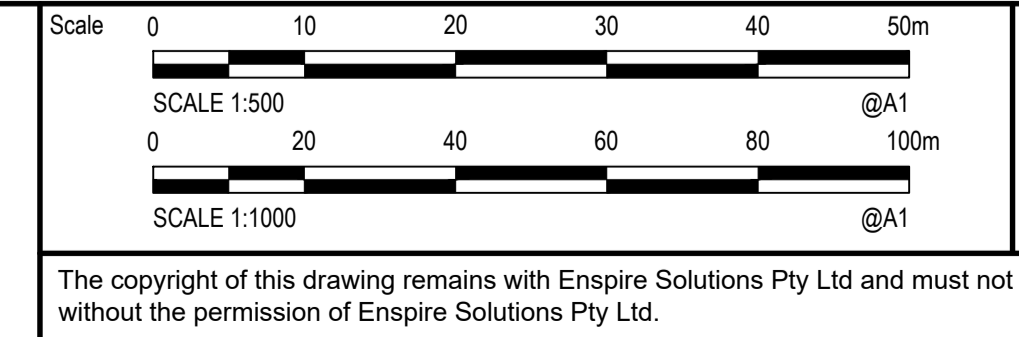
BASIN A
 SCALE 1:500

LEGEND	
	SITE BOUNDARY
	CONTOUR
	BATTER
	STORMWATER TRUNK LINE
	VEGETATED RIPARIAN ZONE
	INNER 50% VRZ
	TOP OF BANK
	100m WETLAND BUFFER
	WATERFRONT LAND (40m)
	HERITAGE PAD AREAS
	APZ CONSTRAINT
	VEGETATION HAZARD
	PROPOSED RIPARIAN REALIGNMENT



SECTION A-A
 SCALE 1:1000

REV.	DATE	DESCRIPTION	CB	MTL	MTL
1	R.I.P	REVISION IN PROGRESS			



Project
 73 BEVIAN ROAD
 ROSEDALE NSW 2536
 CIVIL ENGINEERING WORKS

Title
 CONCEPT BASIN PLAN AND SECTIONS

SHEET 01

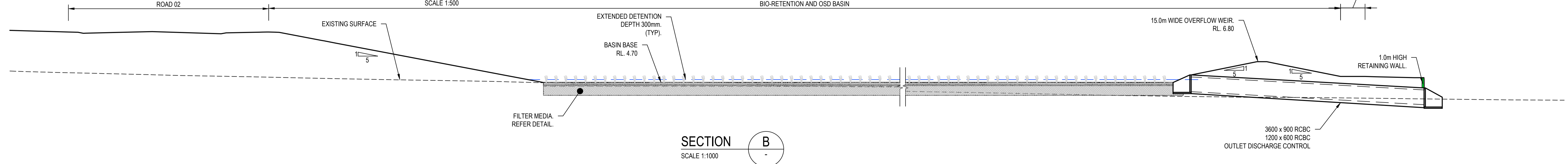
Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C18.51
Size A1	Revision 1
Datum MGA 2020	



LEGEND	
	SITE BOUNDARY
	CONTOUR
	BATTER
	STORMWATER TRUNK LINE
	VEGETATED RIPARIAN ZONE
	INNER 50% VRZ
	TOP OF BANK
	100m WETLAND BUFFER
	WATERFRONT LAND (40m)
	HERITAGE PAD AREAS
	APZ CONSTRAINT
	VEGETATION HAZARD
	PROPOSED RIPARIAN REALIGNMENT

BASIN B
SCALE 1:500

BIO-RETENTION AND OSD BASIN



SECTION B
SCALE 1:1000

REV.	DATE	DESCRIPTION	CB	MTL	MTL
1	R.I.P	REVISION IN PROGRESS	DRN	DES.	VERIF. APPD.

Client

Scale

SCALE 1:500 @A1
SCALE 1:1000 @A1

North

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Project
73 BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
CONCEPT BASIN PLAN AND SECTIONS

SHEET 02

Scale
AS SHOWN

Date
R.I.P

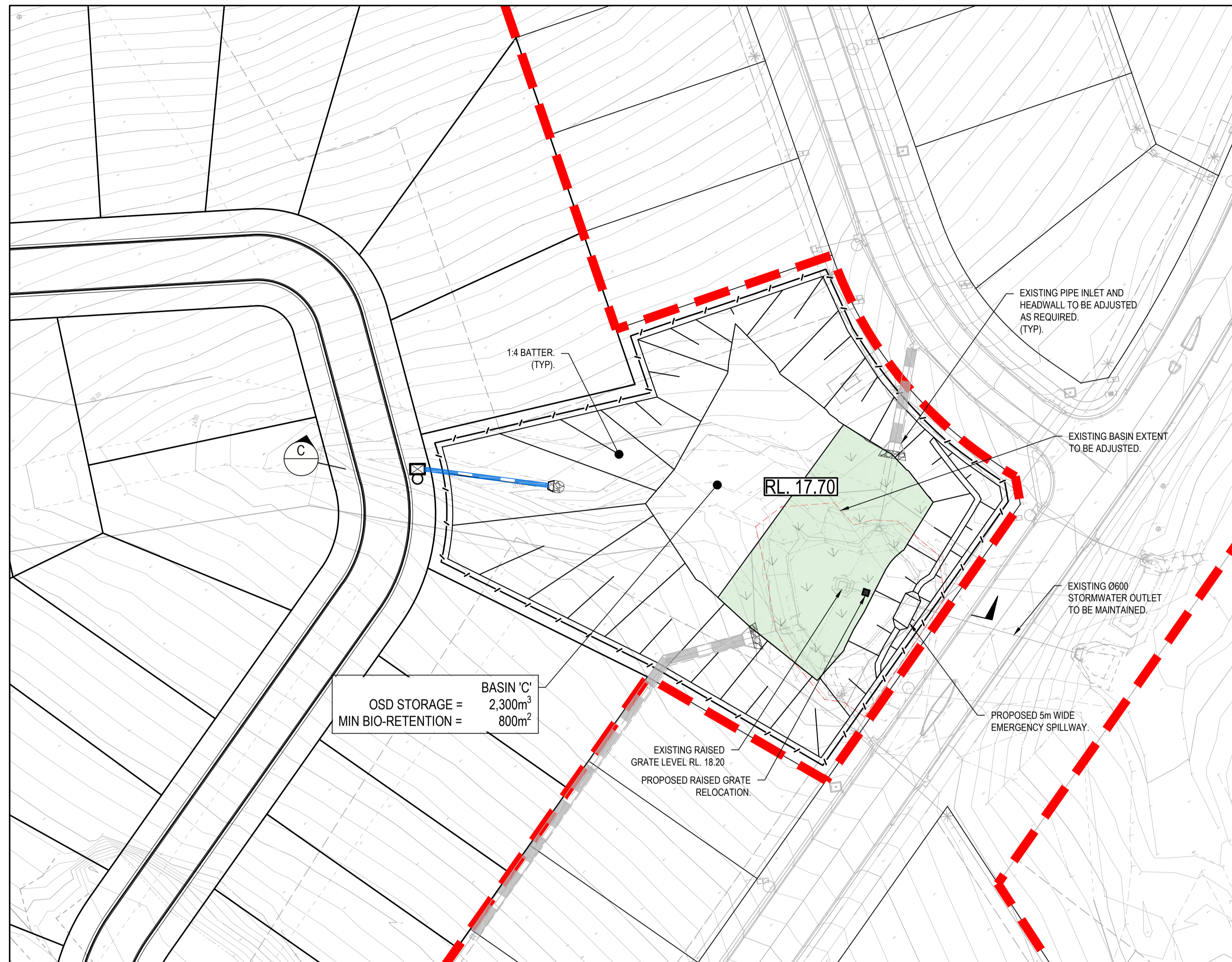
Size
A1

Datum
MGA 2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

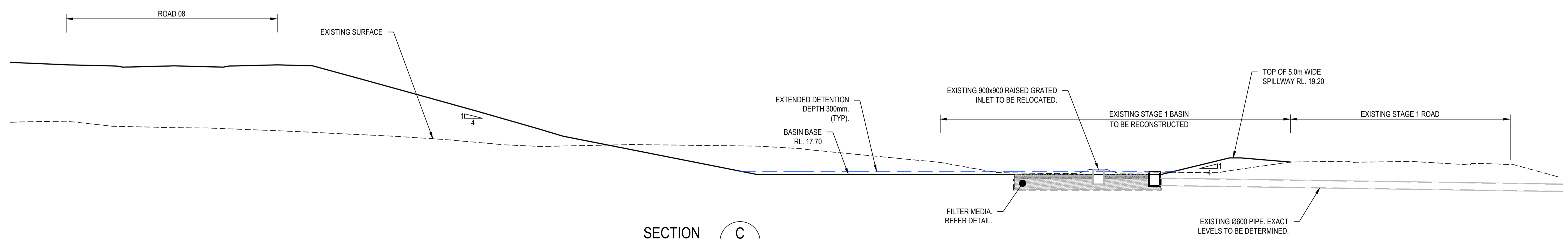
Project Number/Drawing Number
210123-00-C-C18.52

Revision
1



LEGEND	
	SITE BOUNDARY
	CONTOUR
	BATTER
	STORMWATER TRUNK LINE
	VEGETATED RIPARIAN ZONE
	INNER 50% VRZ
	TOP OF BANK
	100m WETLAND BUFFER
	WATERFRONT LAND (40m)
	HERITAGE PAD AREAS
	APZ CONSTRAINT
	VEGETATION HAZARD
	PROPOSED RIPARIAN REALIGNMENT

BASIN C
SCALE 1:500



SECTION C
SCALE 1:1000

REV.	DATE	DESCRIPTION	CB	MTL	MTL
1		REVISION IN PROGRESS			

Client

Scale

0 10 20 30 40 50m

SCALE 1:500 @A1

0 20 40 60 80 100m

SCALE 1:1000 @A1

North

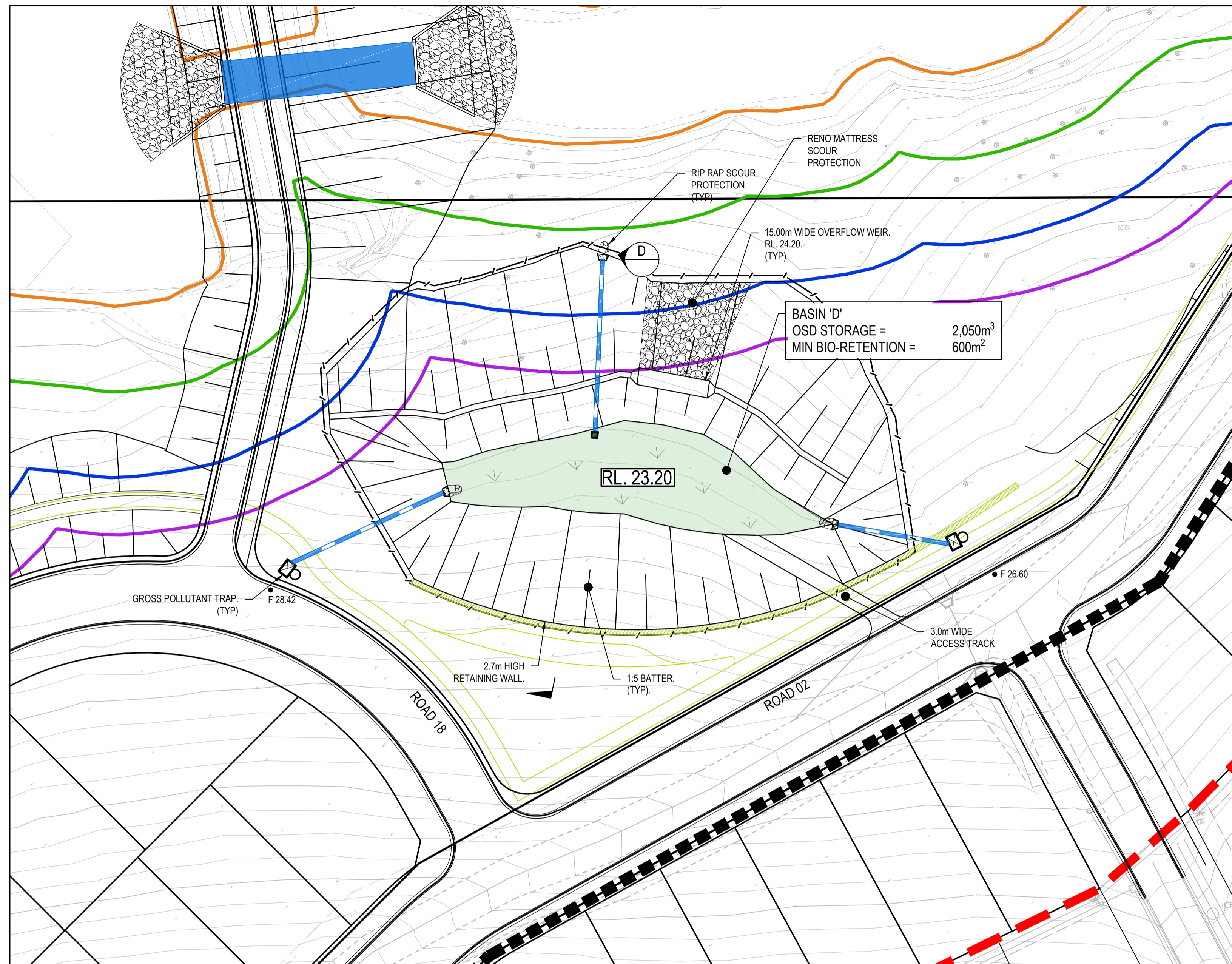
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ROSEDALE NSW 2536
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Title
CONCEPT BASIN PLAN AND SECTIONS

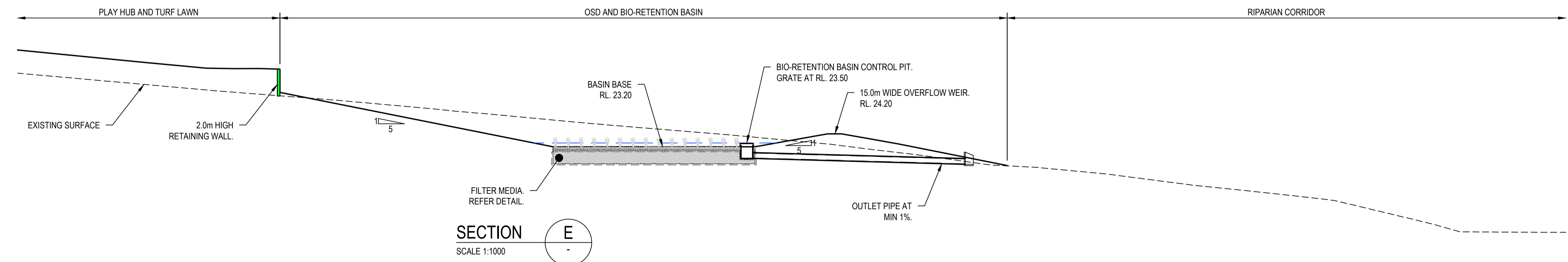
SHEET 03

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P.	Project Number/Drawing Number 210123-00-C-C18.53
Size A1	Revision 1
Datum MGA 2020	

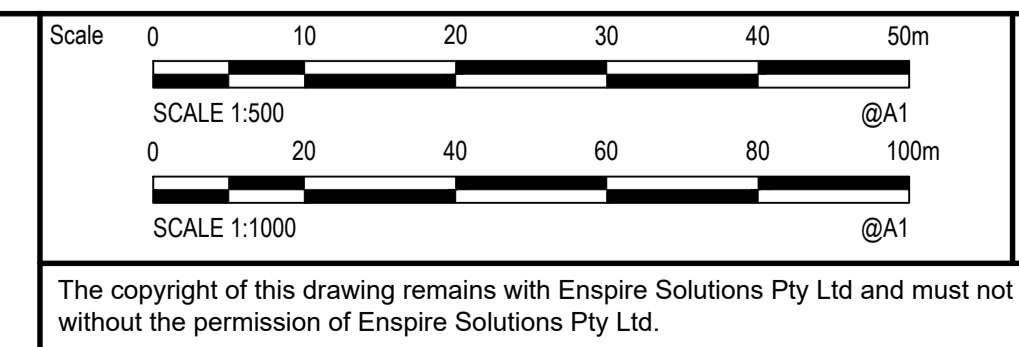


LEGEND	
	SITE BOUNDARY
	CONTOUR
	BATTER
	STORMWATER TRUNK LINE
	VEGETATED RIPARIAN ZONE
	INNER 50% VRZ
	TOP OF BANK
	100m WETLAND BUFFER
	WATERFRONT LAND (40m)
	HERITAGE PAD AREAS
	APZ CONSTRAINT
	VEGETATION HAZARD
	PROPOSED RIPARIAN REALIGNMENT

BASIN E
SCALE 1:500

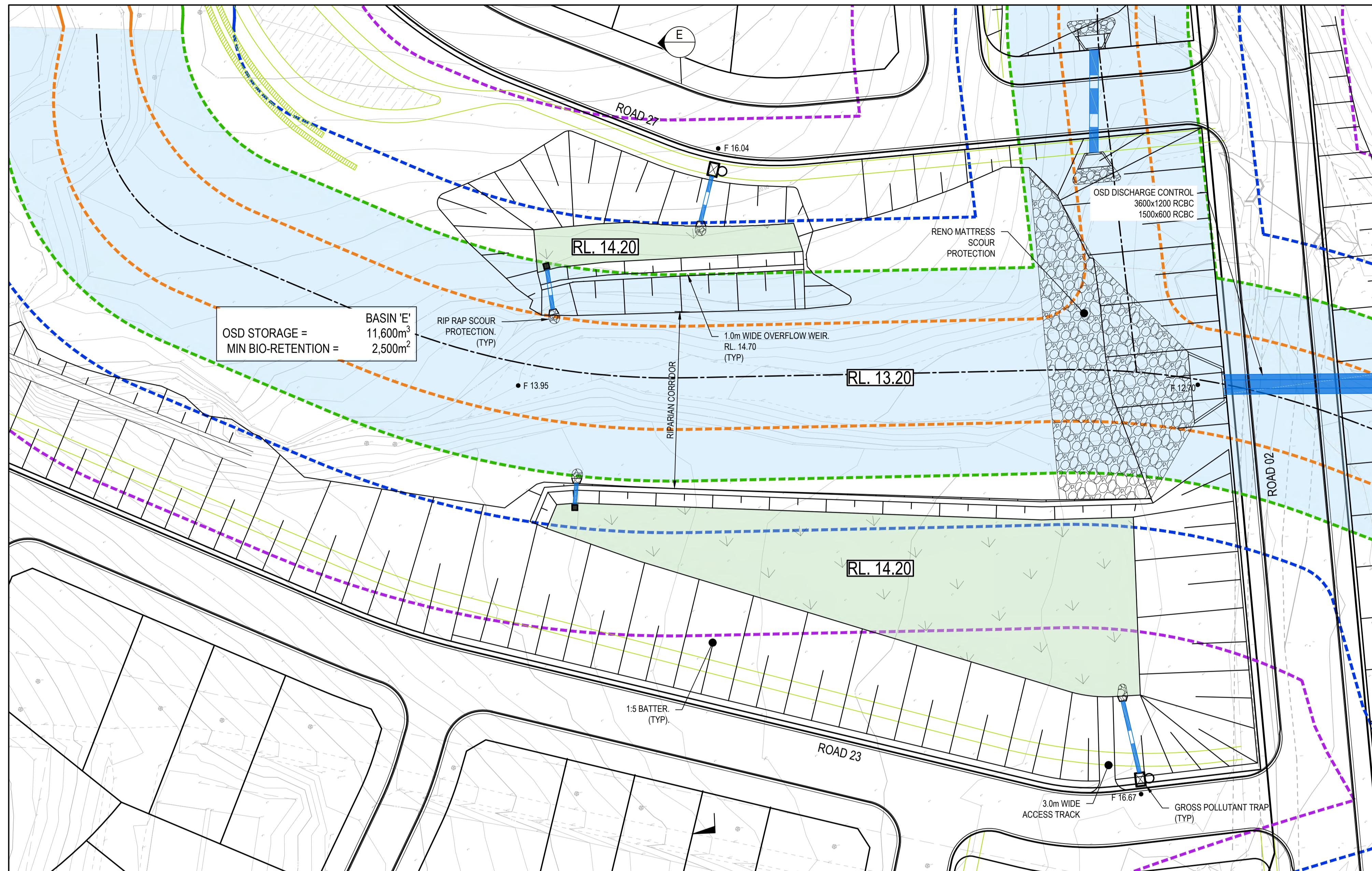


REV.	DATE	DESCRIPTION	CB	MTL	MTL
1		R.I.P REVISION IN PROGRESS			



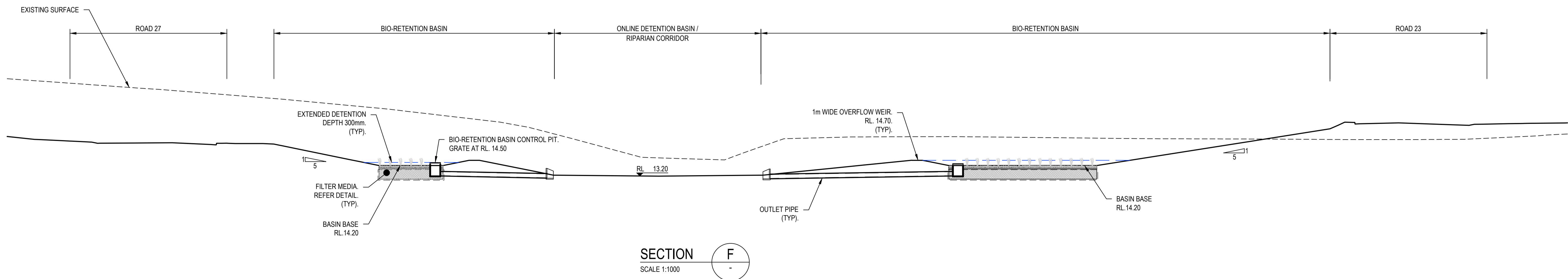
Project
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 ROSEDALE NSW 2536
 CIVIL ENGINEERING WORKS
 Title
 CONCEPT BASIN PLAN AND SECTIONS
 SHEET 05

Scale AS SHOWN	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Date R.I.P	Project Number/Drawing Number 210123-00-C-C18.55
Size A1	Revision 1
Datum MGA 2020	



LEGEND	
	SITE BOUNDARY
	CONTOUR
	BATTER
	STORMWATER TRUNK LINE
	VEGETATED RIPARIAN ZONE
	INNER 50% VRZ
	TOP OF BANK
	100m WETLAND BUFFER
	WATERFRONT LAND (40m)
	HERITAGE PAD AREAS
	APZ CONSTRAINT
	VEGETATION HAZARD
	PROPOSED RIPARIAN REALIGNMENT

BASIN F
SCALE 1:500



REV.	DATE	DESCRIPTION	CB	MTL	MTL
1		REVISION IN PROGRESS			

Client

Scale

0 10 20 30 40 50m

SCALE 1:500 @A1

0 20 40 60 80 100m

SCALE 1:1000 @A1

North

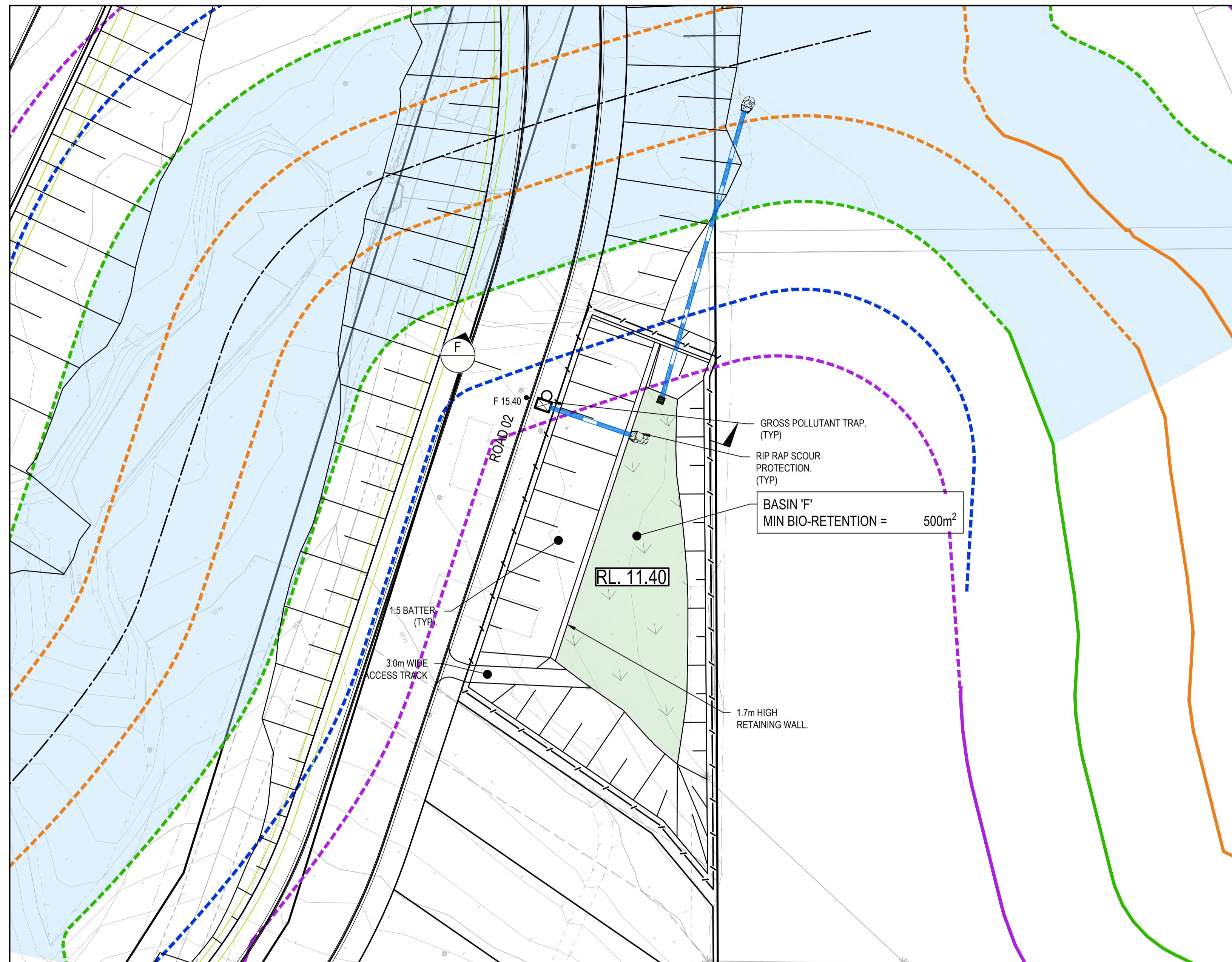
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Project
73 BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
CONCEPT BASIN PLAN AND SECTIONS

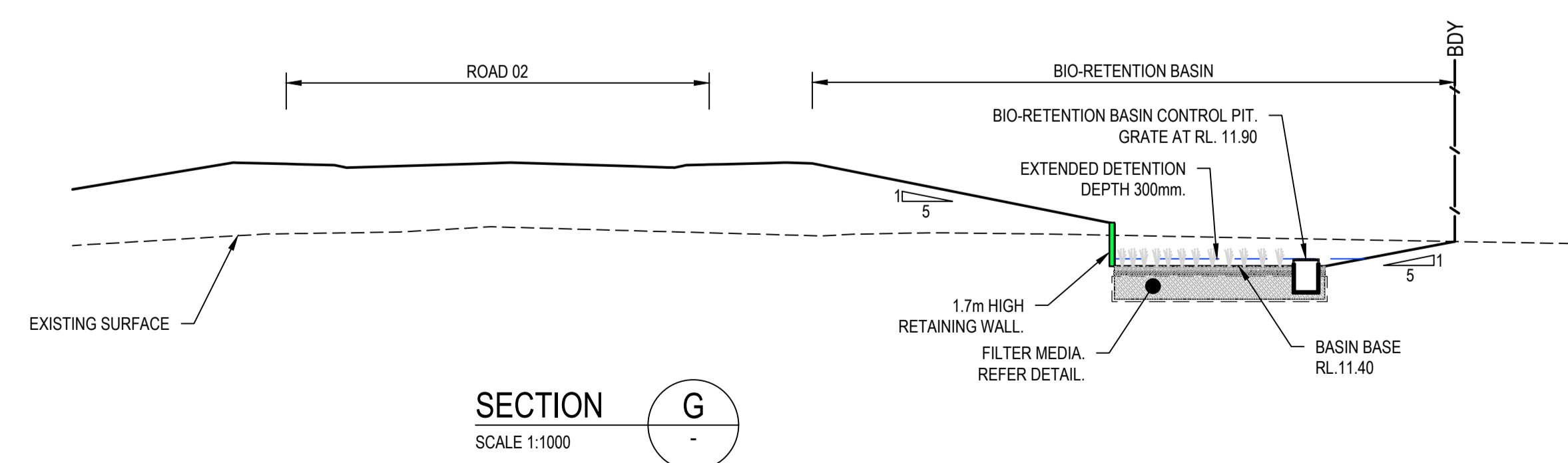
SHEET 06

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Date R.I.P	Project Number/Drawing Number 210123-00-C-C18.56
Size A1	Revision 1
Datum MGA 2020	



LEGEND	
	SITE BOUNDARY
	CONTOUR
	100.00
	BATTER
	STORMWATER TRUNK LINE
	VEGETATED RIPARIAN ZONE
	INNER 50% VRZ
	TOP OF BANK
	100m WETLAND BUFFER
	WATERFRONT LAND (40m)
	HERITAGE PAD AREAS
	APZ CONSTRAINT
	VEGETATION HAZARD
	PROPOSED RIPARIAN REALIGNMENT

BASIN G
SCALE 1:500



REV.	DATE	DESCRIPTION	CB	MTL	MTL
1		REVISION IN PROGRESS			

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Scale 0 10 20 30 40 50m
SCALE 1:500 @A1
0 20 40 60 80 100m
SCALE 1:1000 @A1

North

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Project
73 BEVIAN ROAD
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Scale
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Size
A1

Datum
MGA 2020

Status
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Revision
1

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Title
CONCEPT BASIN PLAN AND SECTIONS
SHEET 07

RAINGARDEN NOTES:

- ALL BIORETENTION SYSTEMS ARE TO BE LINED TO RETAIN WATER. LINING CAN INCLUDE CLAY LINING (MIN. 300mm COMPACTED THICKNESS), HDPE WATER TIGHT MEMBRANE 1.5mm THICK, GEOSYNTHETIC CLAY LINERS (i.e. BENTONIX). THE LINER IS TO EXTEND TO THE SURFACE OF THE MEDIA LAYER WHERE NO BUILDINGS ARE LOCATED NEXT TO THE SYSTEM. IF BUILDINGS ARE LOCATED NEXT TO THE SYSTEM THE LINER IS TO BE ATTACHED 100mm ABOVE THE EXTENDED DETENTION DEPTH TO THE SIDE OF THE BUILDING. INSTALL A LAYER OF NON-WOVEN NEEDLE PUNCHED GEOFABRIC, SUCH AS BIDIM A34 OR APPROVED EQUIVALENT UNDER AND OVER HDPE LINERS TO MINIMISE THE RISK OF DAMAGE CAUSED BY ROCKS IN THE SUBSOIL. ALL HDPE LINERS SHALL HAVE WELDED WATER TIGHT JOINTS.
- LINER SUBGRADE SHALL BE COMPACTED TO 95% STANDARD DRY DENSITY AND TO FORM CONTINUOUS BED FREE OF VOIDS AND FREE OF SHARP OBJECTS TO PREVENT TEARING. SUBGRADE SHALL BE GRADED AS SHOWN ON THE DRAWINGS TO FORM ROUNDED BASE. LINER TO HAVE ALL WELDED JOINTS SEALED IN ACCORDANCE WITH PRODUCT SPECIFICATIONS TO ENSURE THE SYSTEM IS WATERTIGHT. LINER NEEDS TO BE APPROPRIATELY KEYED INTO THE BATTERS AND EMBANKMENTS AND WRAPPED UP AGAINST DRAINAGE PITS TO TOP OF SOIL LAYER WITH CONSIDERATION TO PROTRUSIONS THROUGH THE LINERS SUCH AS OUTLET PIPES.
- THE UNDERDRAIN FOR THE BIORETENTION SYSTEM SHALL BE 100mm SUBSOIL DRAINAGE PIPE TO THE REQUIREMENTS OF AS2439 PART 1 ACCORDING TO THE FOLLOWING:
 - MAXIMUM OF SPACING 2.5m.
 - THE MINIMUM CLEAR OPENING FOR SLOTS SHOULD BE 1500mm/m WITH THE MAXIMUM SLOT WIDTH OF 1.5mm.
 - ALL PIPE JOINTS AND CONNECTIONS TO THE OUTLET PIT SHALL BE SEALED TO PREVENT SOIL ENTERING THE PIPE NETWORK.
 - FILTER CLOTH WRAPPINGS OR SOCKS ARE NOT PERMITTED AROUND SLOTTED UNDERDRAINS.
 - AN INSPECTION WELL SHALL BE PROVIDED BY EXTENDING THE UNDERDRAIN VERTICALLY BEYOND THE SURFACE OF THE BIORETENTION SYSTEM BY A MINIMUM OF 100mm. ALL VERTICAL SECTIONS OF THE UNDERDRAIN SHALL NOT BE PERFORATED AND SHALL BE CAPPED WITH SECURED SCREWS TO REDUCE THE RISK OF VANDALISM. USE 45 DEGREE ELBOWS RATHER THAN 90 DEGREE ELBOWS TO FACILITATE ENTRY OF MAINTENANCE EQUIPMENT.
 - THE CAP IS TO BE POSITIONED ON THE BANK OF THE RAINGARDEN.
- UNDERDRAINS SHALL BE LAID IN A MINIMUM OF 300mm DRAINAGE LAYER COMPRISED OF FINE GRAVEL (2-5mm), WITH <2% FINES AND HYDRAULIC CONDUCTIVITY OF 4000mm/hr. THE DRAINAGE LAYER DEPTH MUST ENSURE AT LEAST 50mm COVER OVER THE UNDERDRAIN. BRIDGING CRITERIA SHALL BE APPLIED TO AVOID MIGRATION OF THE TRANSITION LAYER INTO THE DRAINAGE LAYER. D15 (DRAINAGE LAYER) ≤ 5 x D85 (TRANSITION LAYER).
- WHERE INDICATED ON THE DESIGN DRAWINGS A TRANSITION LAYER SHALL BE INCLUDED. THE TRANSITION LAYER MATERIAL SHALL BE CLEAN, WELL GRADED SAND MATERIAL (TYPICALLY 1mm) CONTAINING <2% FINES. THE PARTICLE SIZE DISTRIBUTION OF THE SAND SHALL BE ASSESSED TO MEET BRIDGING CRITERIA THAT THE SMALLEST 15% OF THE SAND PARTICLES BRIDGE WITH THE LARGEST 15% OF THE FILTER MEDIA. D15 (TRANSITION LAYER) ≤ 5 x D85 (FILTER MEDIA).
- BIORETENTION FILTER MEDIA SHALL COMPLY WITH THE FOLLOWING:
 - HAVE A MINIMUM HYDRAULIC CONDUCTIVITY OF 200mm/hr. THIS SHOULD BE MEASURED ACCORDING TO ASTM F1815-06. STANDARD TEST METHODS FOR SATURATED HYDRAULIC CONDUCTIVITY, WATER RETENTION, POROSITY, AND BULK DENSITY OF PUTTING GREEN AND SPORTS TURF ROOT ZONES METHOD.
 - HAVE TOTAL CLAY AND SILT MIX LESS THAN 3% (w/w) TO REDUCE THE LIKELIHOOD OF STRUCTURAL COLLAPSE OF SUCH SOILS.
 - THE FILTER MEDIA SHALL BE WELL GRADED LOAMY SAND WITHOUT GAP IN THE PARTICLE SIZE GRADING AND THE COMPOSITION SHALL NOT BE DOMINATED BY A SMALL PARTICLE SIZE RANGE. THE FOLLOWING IS A GUIDE FOR THE FILTER MEDIA PARTICLE SIZE DISTRIBUTION:

CLAY & SILT	<3%	(<0.05mm)
VERY FINE SAND	5-30%	(0.05-0.15mm)
FINE SAND	10-30%	(0.15-0.25mm)
MEDIUM TO COARSE SAND	40-60%	(0.25-1.0mm)
COARSE SAND	7-10%	(1.0-2.0mm)
FINE GRAVEL	<3%	(2.0-3.4mm)
 - FILTER MEDIA SHALL BE TESTED (ACCORDING TO AS4419-2003 (SOILS FOR LANDSCAPING AND GARDEN USE)) TO COMPLY WITH THE FOLLOWING:
 - TOTAL NITROGEN (TN) CONTENT <1000mg/kg
 - ORTHOPHOSPHATE (PO) CONTENT <20mg/kg
 - ORGANIC MATTER CONTENT TO BE LESS THAN 5% (w/w)
 - PH 5.5-7.5 (PH 1:5 IN WATER)
 - ELECTRICAL CONDUCTIVITY (EC) <1.2dS/m
 - DISPERSIBILITY - TESTING TO BE UNDERTAKE IF SOIL IS SUSPECTED TO BE SUSCEPTIBLE TO STRUCTURAL COLLAPSE.

RAINGARDEN NOTES:

- AN ALTERNATIVE OPTION FOR BIORETENTION FILTER MEDIA IF THE ABOVE IS NOT AVAILABLE IS AN ENGINEERED FILTER MEDIA. THIS IS A WASHED, WELL-GRADED SAND WITH APPROPRIATE HYDRAULIC CONDUCTIVITY (SUCH AS MATERIALS USED FOR CONSTRUCTION OF GOLF GREENS). THE TOP 100mm OF THE FILTER MEDIA SHALL THEN BE AMELIORATED WITH APPROPRIATE ORGANIC MATTER, FERTILISER AND TRACE ELEMENTS AS SHOWN BELOW:

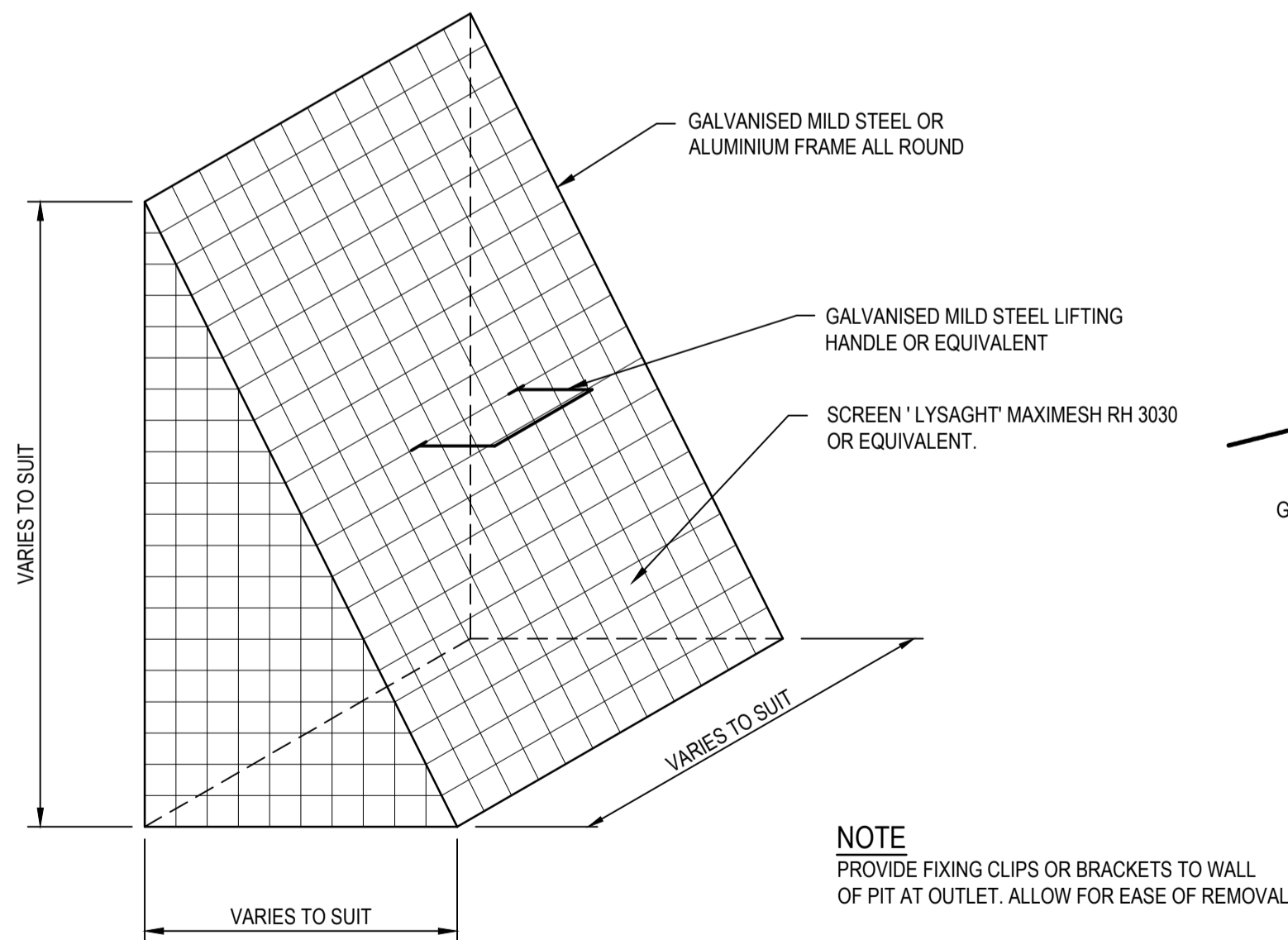
CONSTITUENT	QUANTITY (kg/100m ² FILTER AREA)
GRANULATED POULTRY MANURE FINES	50
SUPERPHOSPHATE	2
MAGNESIUM SULPHATE	3
POTASSIUM SULPHATE	2
TRACE ELEMENT MIX	1
FERTILISER NPK (16.4.14)	4
LIME	20
- POTENTIAL FILTER MEDIA SHALL BE ASSESSED BY A HORTICULTURIST TO ENSURE THAT THEY ARE CAPABLE OF SUPPORTING A HEALTHY VEGETATION COMMUNITY.
- THE BIORETENTION FILTER MEDIA SHALL BE TESTED TO DEMONSTRATE COMPLIANCE WITH THE ABOVE MENTIONED REQUIREMENTS AT THE FOLLOWING FREQUENCIES:
 - FOR BIORETENTION SYSTEMS <500m², ONE SAMPLE PER 500m² OF FILTER MEDIA.
 - FOR BIORETENTION SYSTEMS >500m², ONE SAMPLE PER 500m² OF FILTER MEDIA FOR THE HYDRAULIC CONDUCTIVITY TEST PLUS ONE SAMPLE PER 2000m² OF FILTER MEDIA FOR ALL OTHER REQUIRED TESTS.
- TESTING SHALL BE UNDERTAKEN ON THE ACTUAL MATERIAL TO BE DELIVERED TO THE SITE. THE SUPPLIER AND CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THE FILTER MEDIA MEETS THE SPECIFICATIONS AND THE CORRECT MATERIAL IS DELIVERED TO THE SITE PRIOR TO INSTALLATION. THE SUPPLIER SHALL ARRANGE FOR THE FILTER MEDIA TO BE TESTED BY A CERTIFIED SOIL LABORATORY IN ACCORDANCE WITH THE ABOVE SPECIFICATIONS. ON THE BASIS OF THE TESTING, THE SOIL LABORATORY AND SUPPLIER SHALL CERTIFY THAT THE MATERIAL MEETS THESE SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A COPY OF THE SUPPLIER'S CERTIFICATION, TEST RESULTS AND SUPPLY DOCKET TO THE DESIGNER (THROUGH THE SITE SUPERINTENDENT) FOR REVIEW AND APPROVAL.
- AN IN-SITU MEASUREMENT OF HYDRAULIC CONDUCTIVITY SHALL BE UNDERTAKEN FOLLOWING COMPLETING THE CONSTRUCTION OF THE BIORETENTION SYSTEM AND PRIOR TO HANDOVER OF THE SYSTEM. THIS TESTING SHALL BE ACCORDING TO FAWB (FACILITY FOR ADVANCING WATER BIOFILTRATION) PRACTICE NOTE 1: IN-SITU MEASUREMENT OF HYDRAULIC CONDUCTIVITY (HATT AND LE COUSTUMER, 2009), WHICH CAN BE FOUND IN [HTTP://WWW.MONASH.EDU.AU/FAWB/PUBLICATIONS/INDEX.HTML](http://www.monash.edu.au/fawb/publications/index.html)
- THE FILTER MEDIA SHALL BE LIGHTLY COMPACTED DURING INSTALLATION TO PREVENT MIGRATION OF FINE PARTICLES. A SINGLE PASS OF COMPACTING MACHINERY (VIBRATING PLATE FOR SMALL SYSTEMS AND DRUM LAWN ROLLER FOR LARGER SYSTEMS) SHALL BE USED. NO HEAVY COMPACTION OR MULTI-PASS SHALL BE MADE.
- FILTER MEDIA SHALL BE INSTALLED IN TWO LIFTS FOR DEPTHS OF OVER 500mm.
- THE BIORETENTION SYSTEMS SHALL BE CONSTRUCTED TO THE FOLLOWING TOLERANCES:

BIORETENTION ELEMENT	TOLERANCE
HYDRAULIC STRUCTURES (OVERFLOW PIT AND PIPE)	+/-5mm
WEIR	+/-50mm
UNDERDRAINS	+/-25mm
BASE OF BIORETENTION BED SLOPE	GRADE 0.5-1%, +/-50mm
DRAINAGE AND TRANSITION LAYERS	+/-25mm
SURFACE LEVEL (FILTER MEDIA SURFACE)	+/-25mm
TOP OF BATTER	+50/-0mm
INTERNAL TOE OF BATTER	+0/-50mm

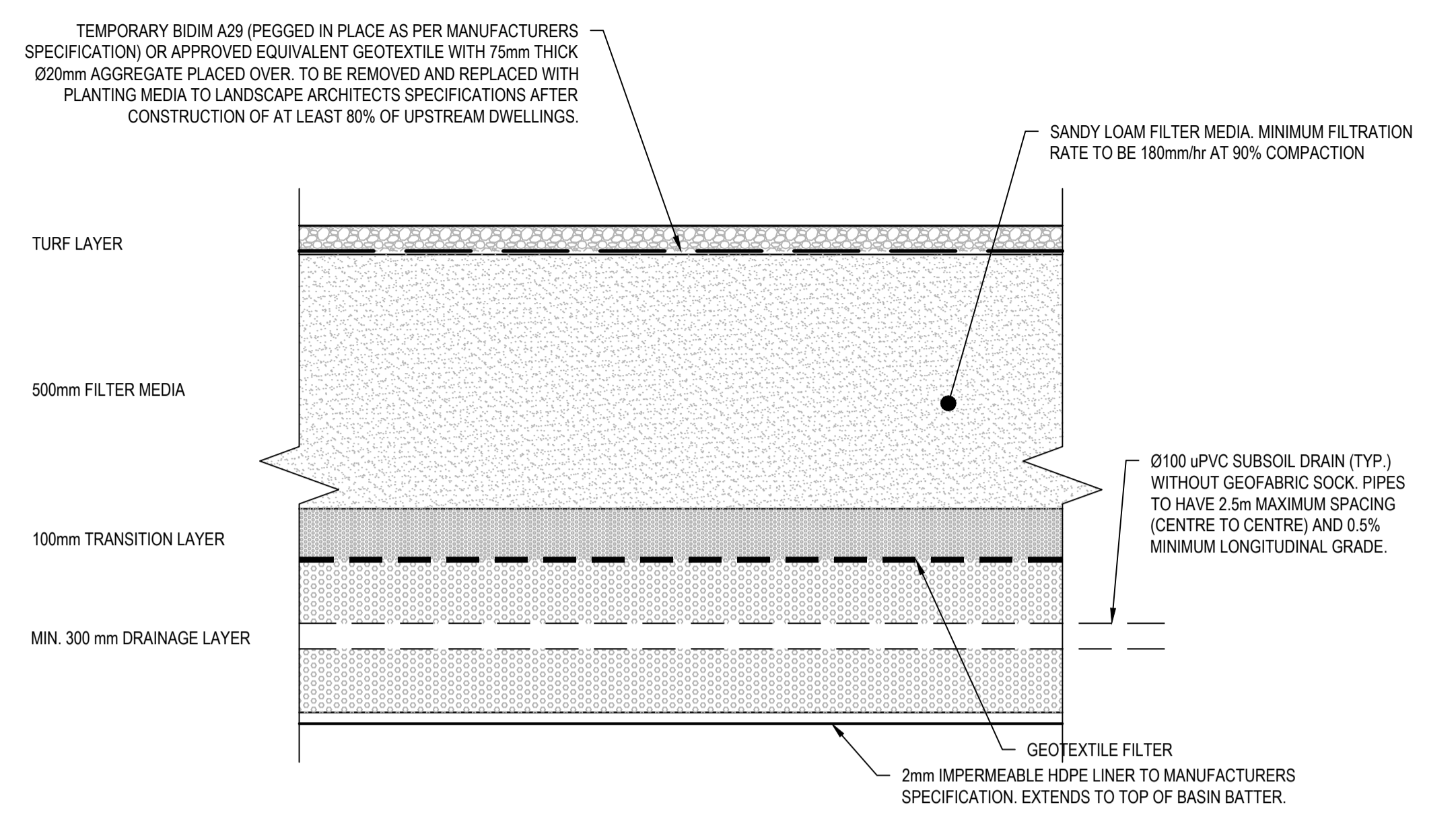
RAINGARDEN NOTES:

- ENSURE BIORETENTION SYSTEM IS NOT DAMAGED DURING THE DEVELOPMENT PHASE OF THE PROJECT. ALL UPSTREAM FLOWS ARE TO BYPASS THE RAINGARDEN, UNTIL THE SUBDIVISION CONSTRUCTION AND 80% OF THE BUILDING PHASE (CONSTRUCTION OF HOUSES AND BUILDINGS INCLUDING LANDSCAPING) ARE COMPLETED.
- THE CONSTRUCTION OF THE BIORETENTION SYSTEMS SHALL COMPLY WITH THE FOLLOWING STEPS AND HOLD POINTS:

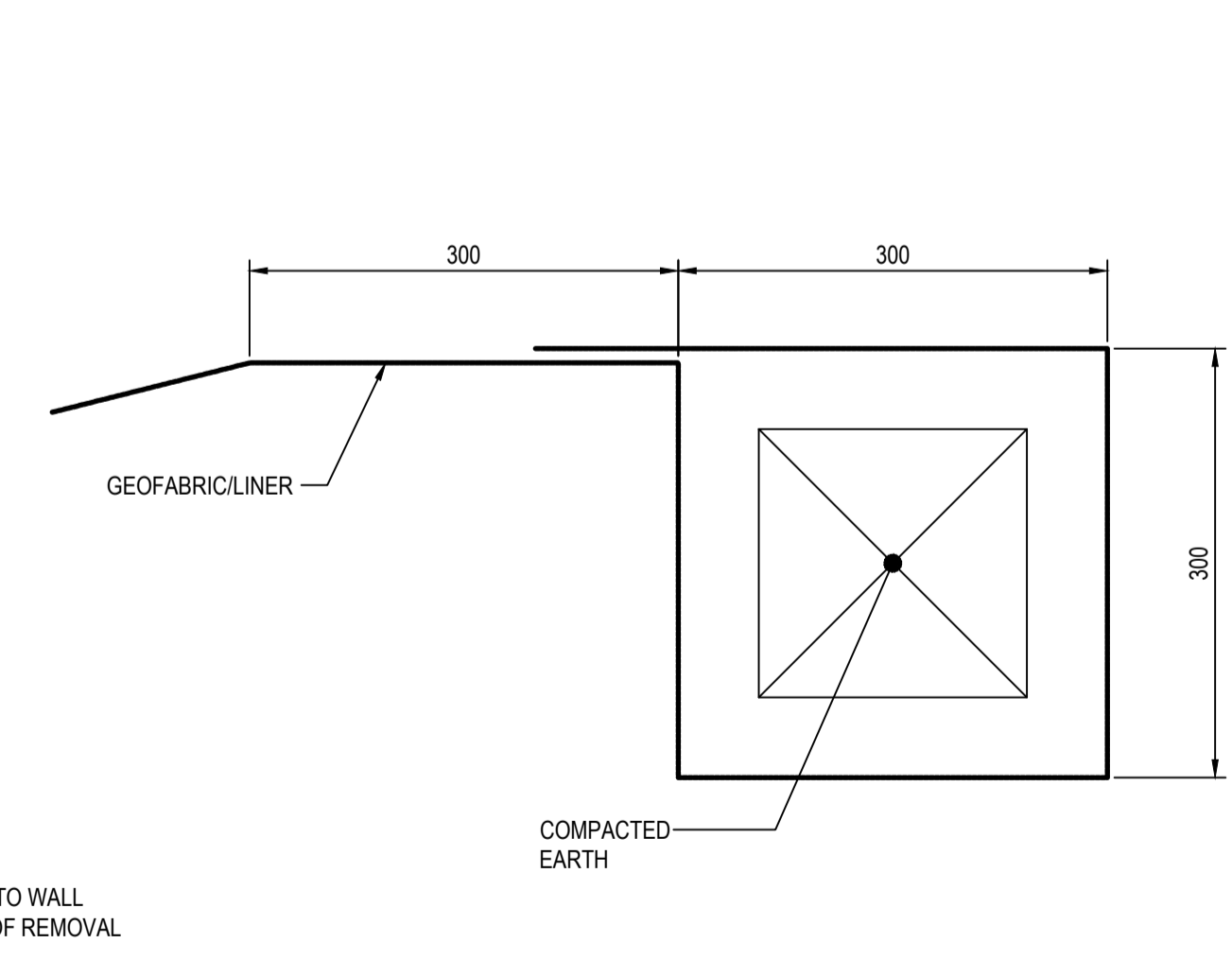
CONSTRUCTION STEP	HOLD POINT	SUBMISSION DETAILS	RELEASE OF HOLD POINT
BULK EARTHWORKS AND HYDRAULIC STRUCTURES. THIS INCLUDES: - INSTALLING OVERFLOW PIT AND OUTLET PIPE - BULK EARTHWORKS - TRIMMING AND PROFILING - OVERFLOW WEIR	-INSPECTION AND SIGN OFF TO CONFIRM COMPLIANCE WITH DESIGN AND TOLERANCES.	-AS-CONSTRUCTED SURVEY OF THE SYSTEM AT THIS STAGE INCLUDING HYDRAULIC STRUCTURES.	THE DESIGNER (THROUGH THE SITE SUPERINTENDENT) SHALL INSPECT THE SYSTEM, REVIEW THE AS-CONSTRUCTED SURVEY. IF THE CONSTRUCTED SYSTEM CONFORMS TO THE DESIGN AND SPECIFICATIONS, A SIGN-OFF FORM SHALL BE COMPLETED WITH AS-CONSTRUCTED SURVEY.
LINER AND UNDER-DRAINAGE. THIS INCLUDES INSTALLING: - HDPE LINER - UNDERDRAINS - CLEANOUTS	-INSPECTION AND SIGN OFF TO CONFIRM COMPLIANCE WITH DESIGN AND TOLERANCES.	-SITE INSPECTION	THE DESIGNER (THROUGH THE SITE SUPERINTENDENT) SHALL INSPECT THE SYSTEM. IF THE CONSTRUCTED SYSTEM CONFORMS TO THE DESIGN AND SPECIFICATIONS, A SIGN-OFF FORM SHALL BE COMPLETED.
SOURCE MATERIALS FOR BIORETENTION SYSTEM. THIS INCLUDES MATERIALS FOR: - DRAINAGE LAYER - TRANSITION LAYER - FILTER MEDIA	-CERTIFICATION AND SIGN OFF OF MATERIALS TO CONFIRM COMPLIANCE WITH TESTING REQUIREMENTS	-SUPPLIER CERTIFICATION (THROUGH CERTIFIED SOIL LABORATORY) THAT MATERIALS COMPLY WITH TESTING REQUIREMENTS. -TEST RESULTS AND SUPPLY DOCKET	THE DESIGNER (THROUGH THE SITE SUPERINTENDENT) SHALL REVIEW THE SUBMITTED DOCUMENTATION AND IF THE MATERIALS CONFORM TO THE TESTING SPECIFICATIONS, A SIGN-OFF FORM SHALL BE COMPLETED WITH THE SUBMITTED DOCUMENTATION AS ATTACHMENTS.
CONSTRUCTION OF DRAINAGE LAYER, TRANSITION LAYER AND FILTER MEDIA	-INSPECTION TO ENSURE BIORETENTION SYSTEM LAYERS ARE CONSTRUCTED TO DESIGN SPECIFICATIONS	- AS-CONSTRUCTED SURVEY	THE DESIGNER (THROUGH THE SITE SUPERINTENDENT) SHALL INSPECT THE SYSTEM AND TAKE PHOTOS. NO STOP TO CONSTRUCTION IS NEEDED
FINAL INSPECTION AND SIGN OFF	-INSPECTION AND SIGN OFF TO CONFIRM COMPLIANCE WITH DESIGN AND TOLERANCES	-AS-CONSTRUCTED SURVEY OF THE SYSTEM SURFACE AND SURROUNDING BUNDS. -CONFIRMATION OF PREVIOUSLY SUBMITTED AS CONSTRUCTED SURVEY FOR ENTIRE DESIGN APPROVAL.	THE DESIGNER (THROUGH THE SITE SUPERINTENDENT) SHALL INSPECT THE SYSTEM, REVIEW THE AS-CONSTRUCTED SURVEY. IF THE CONSTRUCTED SYSTEM CONFORMS TO THE DESIGN AND SPECIFICATIONS, A SIGN-OFF FORM SHALL BE COMPLETED WITH AS-CONSTRUCTED SURVEY.



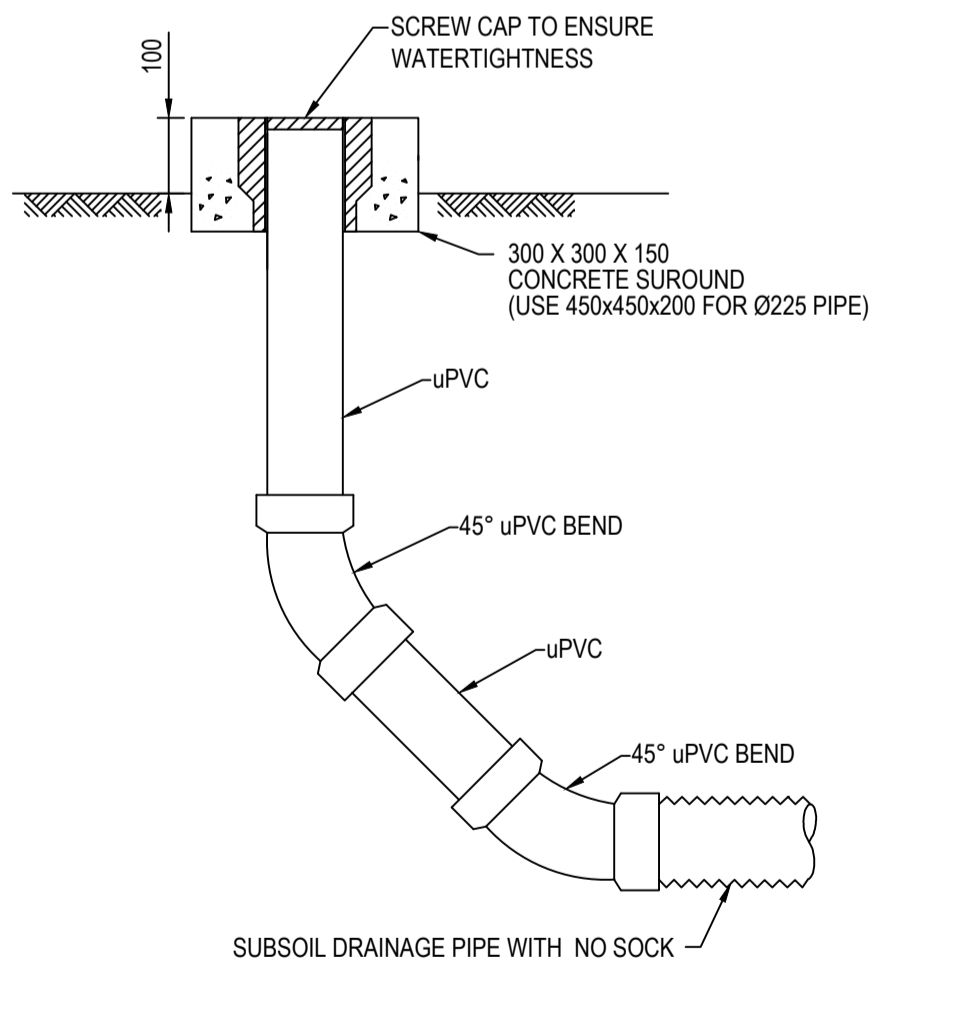
TRASH SCREEN DETAIL
NOT TO SCALE



BIOFILTRATION MEDIA DETAIL
SCALE 1:20



ANCHOR FOR GEOFABRIC TEXTILE AND LINER
SCALE 1:5



FLUSHING POINT DETAIL
SCALE 1:10

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
1	R.I.P	REVISION IN PROGRESS	CB	MTL		MTL

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Scale

Scale 0 0.1 0.2 0.3 0.4 0.5m
Scale 0 0.2 0.4 0.6 0.8 1m
Scale 0 0.2 0.4 0.6 0.8 1m

North

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Project
73 BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
CONCEPT BASIN PLAN AND SECTIONS

SHEET 08

Scale
AS SHOWN

Date
R.I.P

Size
A1

Datum
MGA 2020

Status
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Project Number/Drawing Number
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Revision
1



LEGEND	
	SITE BOUNDARY
	BATTER
	K&G
	KERB AND GUTTER
	VEGETATED RIPARIAN ZONE (VRZ)
	INNER 50% VRZ
	TOP OF BANK
	100m WETLAND BUFFER
	WATERFRONT LAND (40m)
	HERITAGE PAD AREAS
	APZ CONSTRAINT
	EASEMENT
	POWER
	REALIGNED RIPARIAN CORRIDOR
	AREAS WITHIN OUTER 50% VRZ
	AREAS WITHIN INNER 50% VRZ
	RIPARIAN OFFSET VEGETATION AREA

NOTES	
REFER ECOLOGICAL REPORTS FOR DETAIL.	
AREAS WITHIN OUTER 50% VRZ THAT REQUIRE OFFSET = 18,452 m ² .	
TOTAL AREA WITHIN OUTER AND INNER 50% VRZ = 27,861 m ² .	
TOTAL AREA WITHIN RIPARIAN OFFSET VEGETATION AREA = 34,839.65 m ² .	

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Project
BEVIAN ROAD
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CIVIL ENGINEERING WORKS

Title
RIPARIAN OFFSET PLAN

SHEET 01

Scale
1:2500

Date
12/06/2024

Size
A1

Datum
MGA 2020

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1

FOR CONTINUATION REFER DRG: C19.01



LEGEND

- SITE BOUNDARY
- BATTER
- K&G
- VEGETATED RIPARIAN ZONE (VRZ)
- INNER 50% VRZ
- TOP OF BANK
- 100m WETLAND BUFFER
- WATERFRONT LAND (40m)
- HERITAGE PAD AREAS
- APZ CONSTRAINT
- EASEMENT
- POWER
- REALIGNED RIPARIAN CORRIDOR
- AREAS WITHIN OUTER 50% VRZ
- AREAS WITHIN INNER 50% VRZ
- RIPARIAN OFFSET VEGETATION AREA

NOTES

REFER ECOLOGICAL REPORTS FOR DETAIL.

AREAS WITHIN OUTER 50% VRZ THAT REQUIRE OFFSET
= 18,452 m².

TOTAL AREA WITHIN OUTER AND INNER 50% VRZ
= 27,861 m².

TOTAL AREA WITHIN RIPARIAN OFFSET VEGETATION AREA
= 34,839.65 m².

REV.	DATE	DESCRIPTION	CB	EZ	MTL
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Project
BEVIAN ROAD
ROSEDALE NSW 2536
CIVIL ENGINEERING WORKS

Title
RIPARIAN OFFSET PLAN

SHEET 02

Scale
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Date
12/06/2024

Size
A1

Datum
MGA 2020

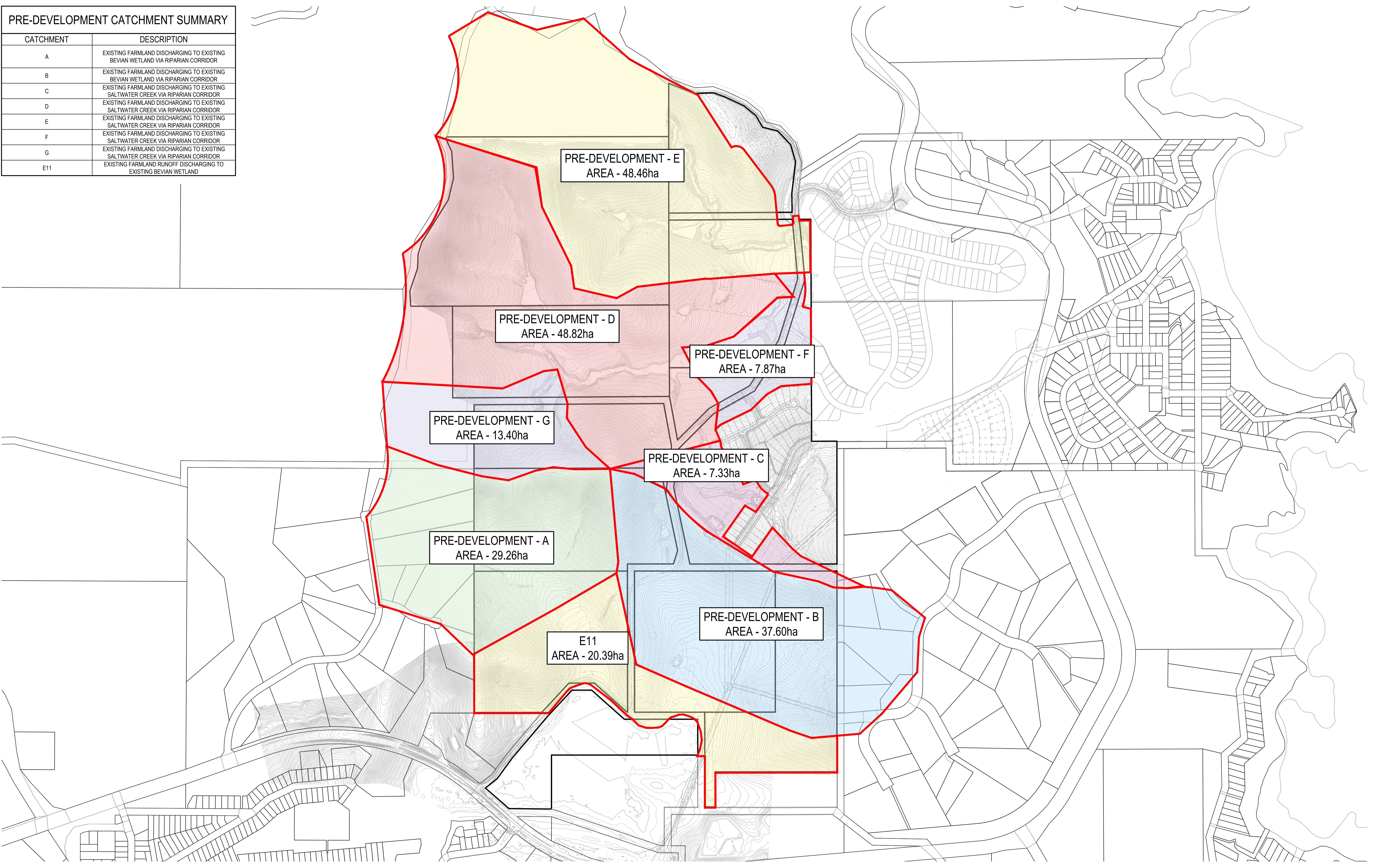
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Project Number/Drawing Number
210123-00-C-C19.02

Revision
1

PRE-DEVELOPMENT CATCHMENT SUMMARY

CATCHMENT	DESCRIPTION
A	EXISTING FARMLAND DISCHARGING TO EXISTING BEVIAN WETLAND VIA RIPARIAN CORRIDOR
B	EXISTING FARMLAND DISCHARGING TO EXISTING BEVIAN WETLAND VIA RIPARIAN CORRIDOR
C	EXISTING FARMLAND DISCHARGING TO EXISTING SALTWATER CREEK VIA RIPARIAN CORRIDOR
D	EXISTING FARMLAND DISCHARGING TO EXISTING SALTWATER CREEK VIA RIPARIAN CORRIDOR
E	EXISTING FARMLAND DISCHARGING TO EXISTING SALTWATER CREEK VIA RIPARIAN CORRIDOR
F	EXISTING FARMLAND DISCHARGING TO EXISTING SALTWATER CREEK VIA RIPARIAN CORRIDOR
G	EXISTING FARMLAND DISCHARGING TO EXISTING SALTWATER CREEK VIA RIPARIAN CORRIDOR
E11	EXISTING FARMLAND RUNOFF DISCHARGING TO EXISTING BEVIAN WETLAND

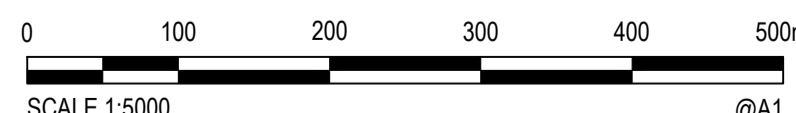


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			DRN	DES.	VERIF/APPD

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Title
PRE-DEVELOPMENT CATCHMENT PLAN

Scale
1:5000

Date
R.I.P

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MGA 2020

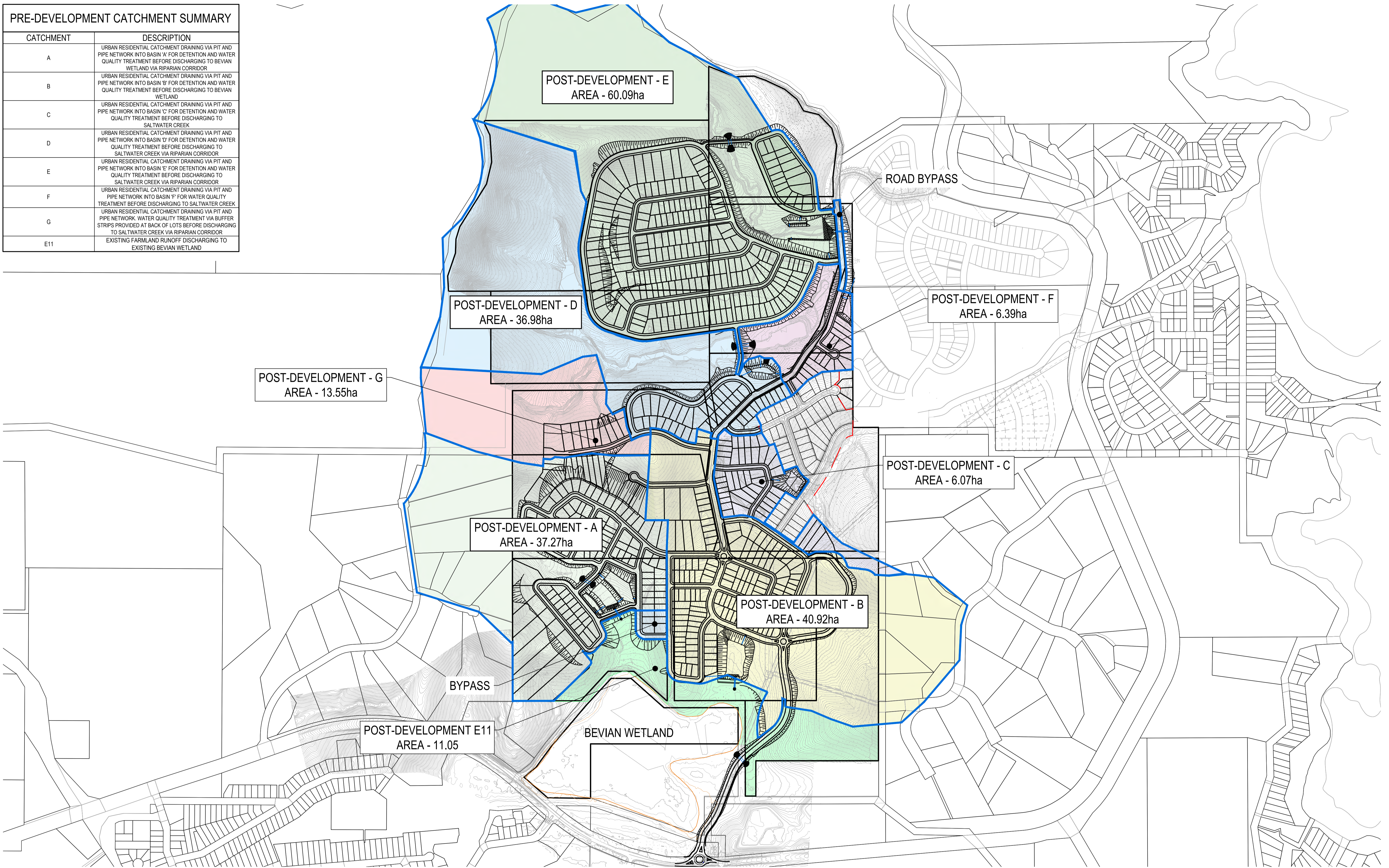
Status
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Revision
1

PRE-DEVELOPMENT CATCHMENT SUMMARY

CATCHMENT	DESCRIPTION
A	URBAN RESIDENTIAL CATCHMENT DRAINING VIA PIT AND PIPE NETWORK INTO BASIN 'A' FOR DETENTION AND WATER QUALITY TREATMENT BEFORE DISCHARGING TO BEVIAN WETLAND VIA RIPARIAN CORRIDOR
B	URBAN RESIDENTIAL CATCHMENT DRAINING VIA PIT AND PIPE NETWORK INTO BASIN 'B' FOR DETENTION AND WATER QUALITY TREATMENT BEFORE DISCHARGING TO BEVIAN WETLAND
C	URBAN RESIDENTIAL CATCHMENT DRAINING VIA PIT AND PIPE NETWORK INTO BASIN 'C' FOR DETENTION AND WATER QUALITY TREATMENT BEFORE DISCHARGING TO SALTWATER CREEK
D	URBAN RESIDENTIAL CATCHMENT DRAINING VIA PIT AND PIPE NETWORK INTO BASIN 'D' FOR DETENTION AND WATER QUALITY TREATMENT BEFORE DISCHARGING TO SALTWATER CREEK VIA RIPARIAN CORRIDOR
E	URBAN RESIDENTIAL CATCHMENT DRAINING VIA PIT AND PIPE NETWORK INTO BASIN 'E' FOR DETENTION AND WATER QUALITY TREATMENT BEFORE DISCHARGING TO SALTWATER CREEK VIA RIPARIAN CORRIDOR
F	URBAN RESIDENTIAL CATCHMENT DRAINING VIA PIT AND PIPE NETWORK INTO BASIN 'F' FOR WATER QUALITY TREATMENT BEFORE DISCHARGING TO SALTWATER CREEK
G	URBAN RESIDENTIAL CATCHMENT DRAINING VIA PIT AND PIPE NETWORK. WATER QUALITY TREATMENT VIA BUFFER STRIPS PROVIDED AT BACK OF LOTS BEFORE DISCHARGING TO SALTWATER CREEK VIA RIPARIAN CORRIDOR
E11	EXISTING FARMLAND RUNOFF DISCHARGING TO EXISTING BEVIAN WETLAND

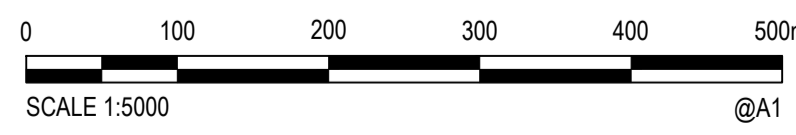


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