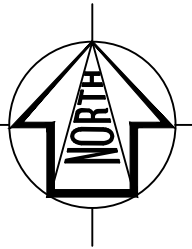
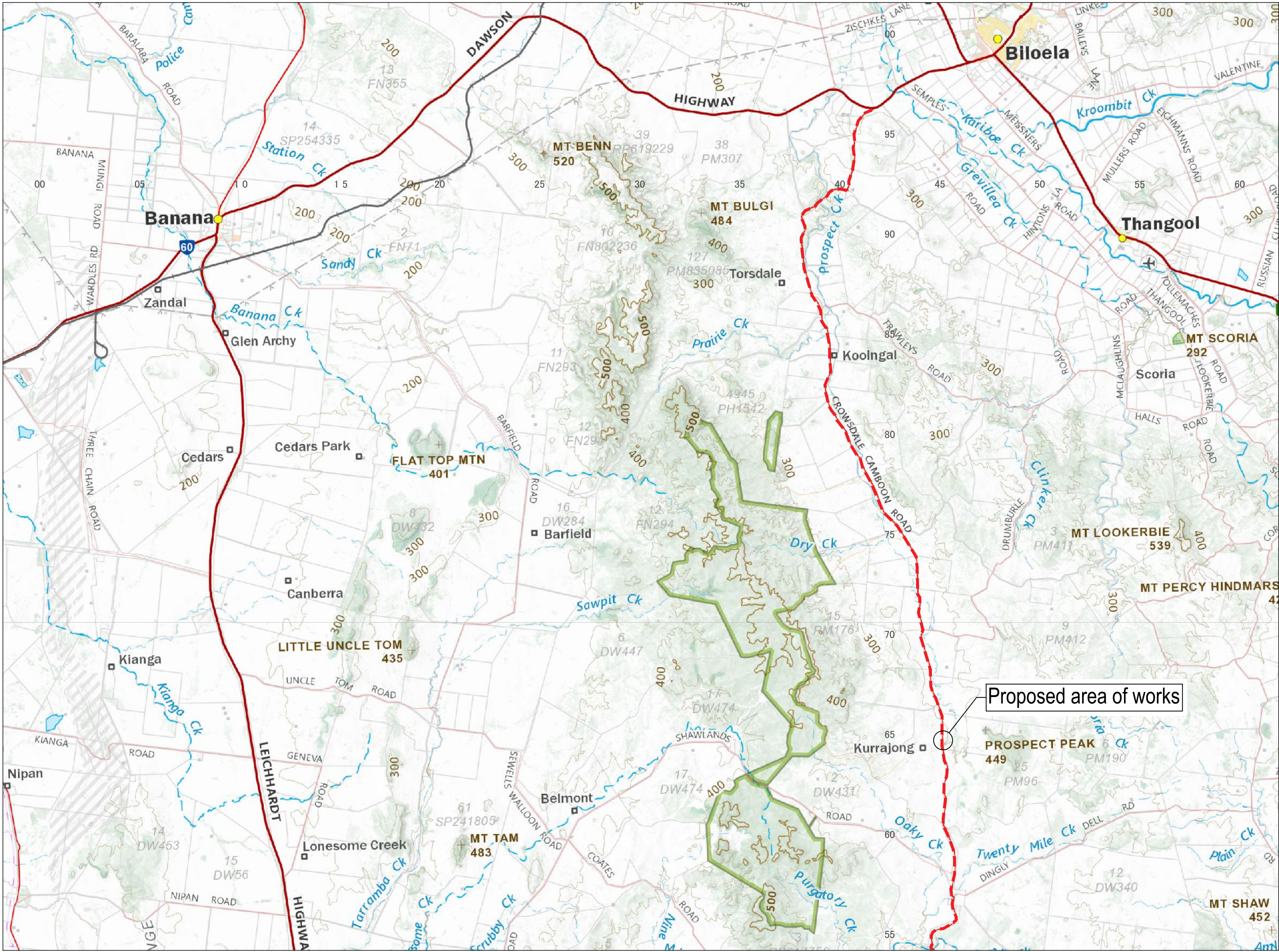


# CROWSDALE CAMBOON ROAD

## ROAD AND FLOODWAY REMEDIATION WORKS



LOCALITY PLAN  
(Not to scale)

### DRAWING INDEX

Drawing Number	Date	Drawing Description
001		Project Cover Sheet
300		Survey Control and Services Plan Sheet 1
400		Roadworks and Setout Plan Sheet 1
500		Pavement Plan Sheet 1
600		Longitudinal Section Sheet 1
601		Longitudinal Section Sheet 2
700		Typical Cross Sections Sheet 1
701		Typical Cross Sections Sheet 2
800		Annotated Cross Sections Sheet 1

### DRAWING INDEX

Drawing Number	Date	Drawing Description
801		Annotated Cross Sections Sheet 2
802		Annotated Cross Sections Sheet 3
803		Annotated Cross Sections Sheet 4
804		Annotated Cross Sections Sheet 5
805		Annotated Cross Sections Sheet 6
806		Annotated Cross Sections Sheet 7
807		Annotated Cross Sections Sheet 8
808		Annotated Cross Sections Sheet 9
809		Annotated Cross Sections Sheet 10

### DRAWING INDEX

Drawing Number	Date	Drawing Description
810		Annotated Cross Sections Sheet 11
811		Annotated Cross Sections Sheet 12
812		Annotated Cross Sections Sheet 13
813		Annotated Cross Sections Sheet 14
814		Annotated Cross Sections Sheet 15
815		Annotated Cross Sections Sheet 16
1200		Stormwater Drainage Plan
1600		Limit of Clearing Plan
1601		Bulk Earthworks Plan

### STANDARD DRAWINGS:

Dwg.	Rev.	Description
CMDG-R-081	E	Signs Location and Installation Details
CMDG-R-094	B	Floodway - Bed Level Crossing
DEPARTMENT OF TRANSPORT AND MAIN ROADS - STANDARD DRAWINGS:		
ROAD FURNITURE		
1170	D	Flood Depth Indicators - Installation
SIGNS AND GUIDE POSTS		
1356	F	Road Edge Guide Posts - Timber and Tubular Steel Post and Installation Details
GENERAL EARTHWORKS AND PROPERTY ACCESS		
1178	E	Diversion of Water from Roadway and Table Drains

XREFS - X\_CRC\_BSC\_TITLE.dwg

Last Modified :- Nov 24, 2023 - 6:22pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)
Dimensions shown in metres except where shown otherwise



quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

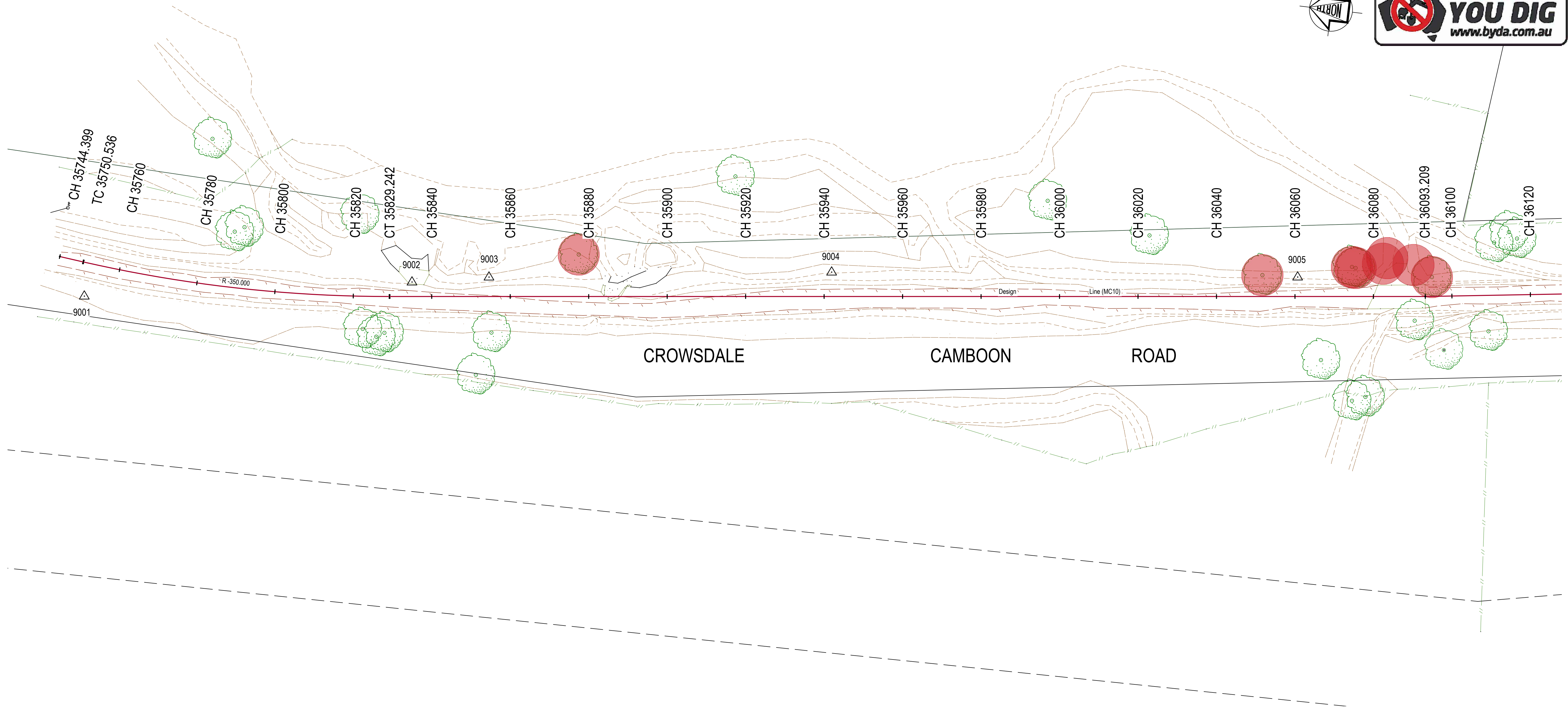
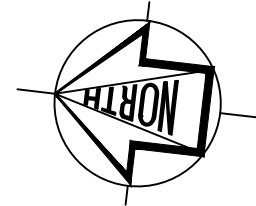


SHIRE OF OPPORTUNITY

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title		CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION PROJECT COVER SHEET		Job No.	CRC00331
Drawn		ENGINEERING CERTIFICATION (RPEQ)		Drawing No.	001
B Doherty	ENC	<div>ISSUED FOR TENDER</div> <div>24 November 2023</div>		Revision	1
Designed	B Doherty			Series No.	1 of









PLAN  
Scale 1:500

ENGINEERING SURVEY CONTROL				
STATION	EASTING	NORTHING	LEVEL	REMARKS
9001	245113.786	7264482.244	303.409	Station
9002	245125.305	7264399.451	298.833	Station
9003	245128.418	7264380.038	298.982	Station
9004	245137.994	7264293.226	299.287	Station
9005	245148.033	7264174.881	300.357	Station
9006	245148.748	7264059.582	305.328	Station

PERMANENT SURVEY MARKS				
PSM	EASTING	NORTHING	LEVEL	LOCATION
PSM189243	245189.264	7262448.886	334.964	Approx. 1.6 Km South

LEGEND

- 9001  - Survey Mark and Label
-  - Telstra
-  - Water Main
-  - Electrical

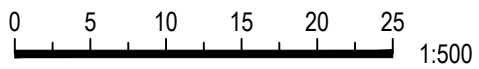
**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

XREFS -> X\_CRC\_BSC\_TITLE.dwg ; X\_SURVEY.dwg ; X\_SURVEY\_CONTROL.dwg ; X\_CONTROL.dwg

Last Modified :- Nov 24, 2023 - 6:22pm


1	Issued For Tender				
20.01	Revisions/Descriptions	Drawn	Approved	Date	

Scales (sheet size A1)




Scale A 1:500

Dimensions shown in metres except where shown otherwise



quality people client focused solution driven



SHIRE OF OPPORTUNITY

Client

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

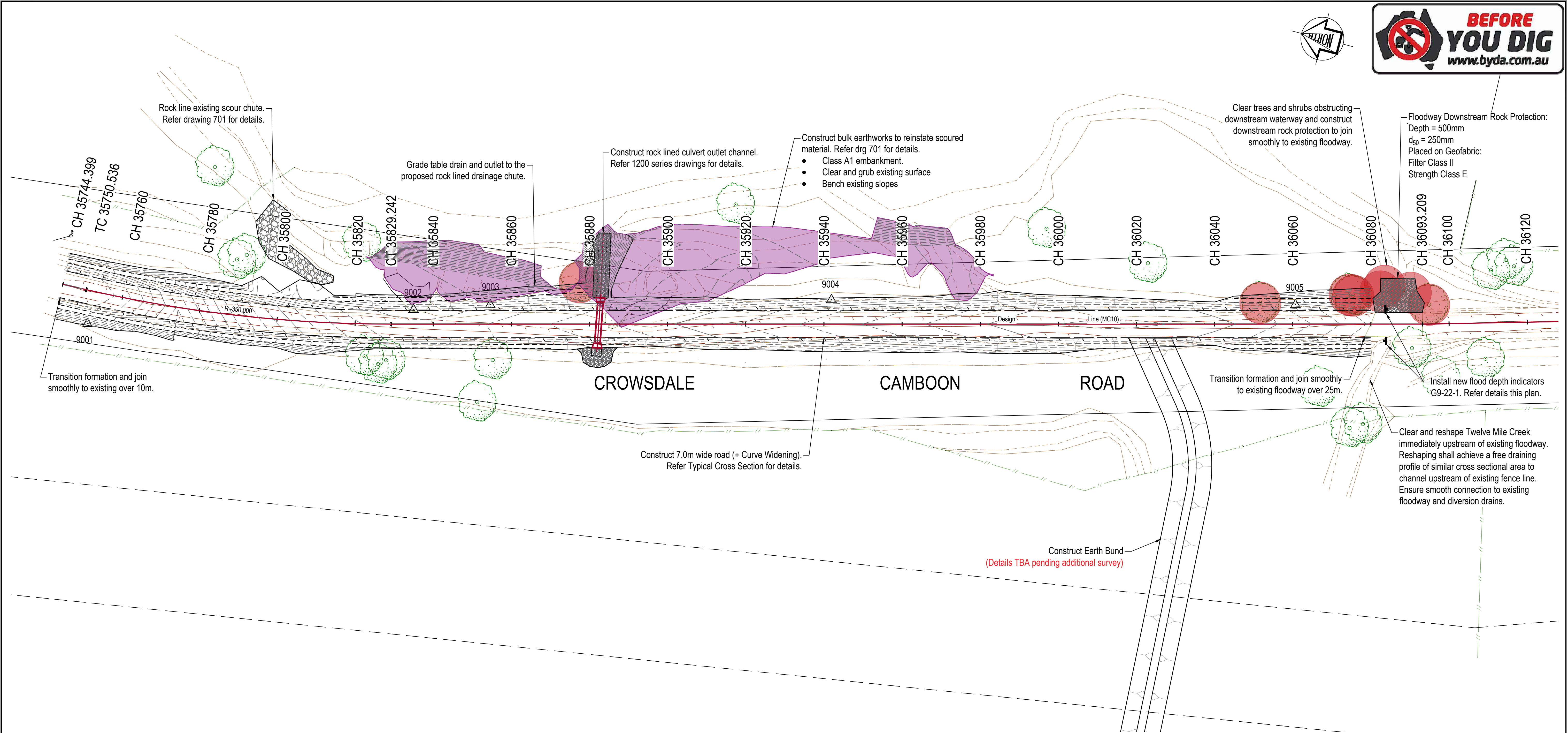
245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION SURVEY CONTROL AND SERVICES PLAN		Job No.	CRC00331
		Drawing No.	300
Drawn B Doherty	ENC <div>ISSUED FOR TENDER</div> <div>24 November 2023</div>	Revision	1
Designed B Doherty		Series No.	2 of



XREFS - X\_CRC\_BSC\_TITLE.dwg : X\_SURVEY\_CONTROL.dwg : X\_SURVEY.dwg : X\_DESIGN.dwg : X\_BULKEMBDY.dwg : X\_HATCH.dwg : X\_CULVERT\_PLAN.dwg : X\_CONTOURS.dwg

Last Modified :- Nov 24, 2023 - 6:22pm



PLAN  
Scale 1:500

DESIGN LINE SETOUT (MC10)

POINT	CHAINAGE	EASTING	NORTHING	LEVEL	BEARING	RAD/SPIRAL	A.LENGTH	D.ANGLE
IP 1	35744.399	245123.232	7264489.414	303.005	187°25'35.62"	R = -350.000	78.706	12°53'03.88"
TC	35750.536	245122.439	7264483.329	302.994	187°25'35.62"			
IP 2	35789.889	245117.331	7264444.141	300.716				
CT	35829.242	245121.090	7264404.800	299.284	174°32'31.74"			
IP 3	36093.209	245146.196	7264142.030	300.245				
IP 4	36173.211	245155.263	7264062.543	304.848	173°29'33.06"			

LEGEND

- Red - Flexible Guidepost
- White - Flexible Guidepost
- Red - Tubular Flexible Guidepost
- White - Tubular Flexible Guidepost
- New Sign Location
- Existing Sign Location
- Tree to be removed
- Survey Mark and Label
- Bulk Earthworks / scour remediation area

WARNING!

**BEWARE OF AERIAL SERVICES**  
Overhead powerlines and communication cables within work area. Contact service provider for advice prior to commencement of work.

WARNING!

**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

1	Issued For Tender				
20.01	Revisions/Descriptions	Drawn	Approved	Date	

Scales (sheet size A1)

Scale A 0 5 10 15 20 25 1:500

Dimensions shown in metres except where shown otherwise

**crc**  
quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

**Banana SHIRE**  
SHIRE OF OPPORTUNITY

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

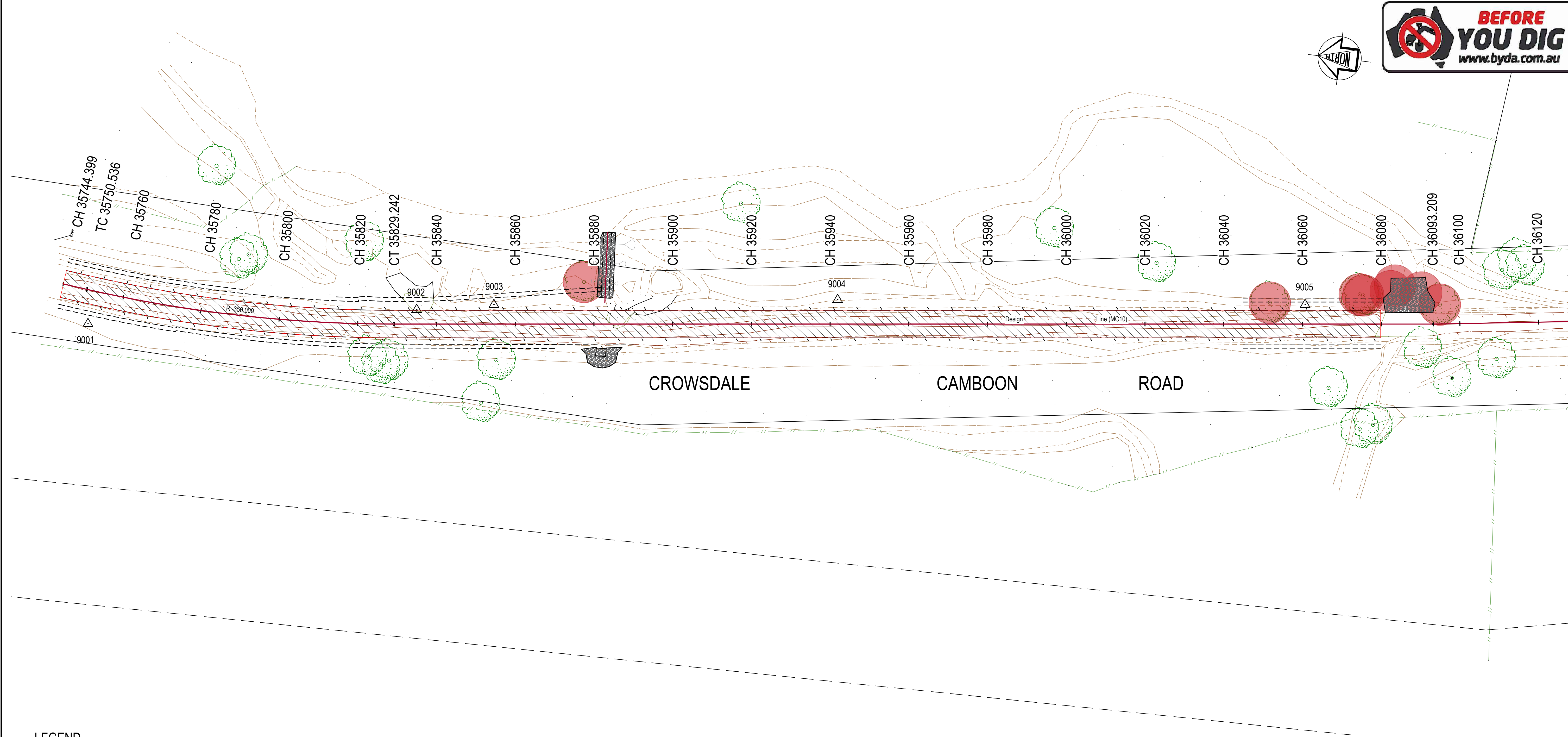
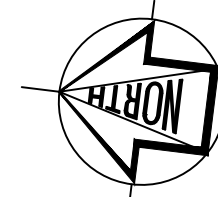
Title		CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ROADWORKS AND SETOUT PLAN	Job No.	CRC00331
Drawn		B Doherty	Drawing No.	400
Designed		B Doherty	Revision	1
			Series No.	3 of

ENGINEERING CERTIFICATION (RPEQ)

**ISSUED FOR TENDER**

24 November 2023






LEGEND

 New pavement to be constructed. Refer Pavement Type 1 Details.

PAVEMENT TYPE 1 DETAILS

 New pavement to be constructed

200mm Stabilised Base (Full Depth), Full Width,  
**Type 2.3 Pavement Layer CBR 40 Gravel**  
Insitu stabilised, GB binder (Cement/Fly Ash)  
Target UCS value 1 - 2 MPa at 7 Days. Contractor to undertake additive testing to confirm percentage of stabilising agent by mass. A nominal 3% by mass used for estimating purposes only.

150mm Select Fill Capping Layer  
Class A1, minimum CBR 10

Design Subgrade CBR 2 (soaked)

350mm Total thickness

PLAN

Scale 1:500

All works to be carried out in accordance with the relevant CMDG Construction Specifications.

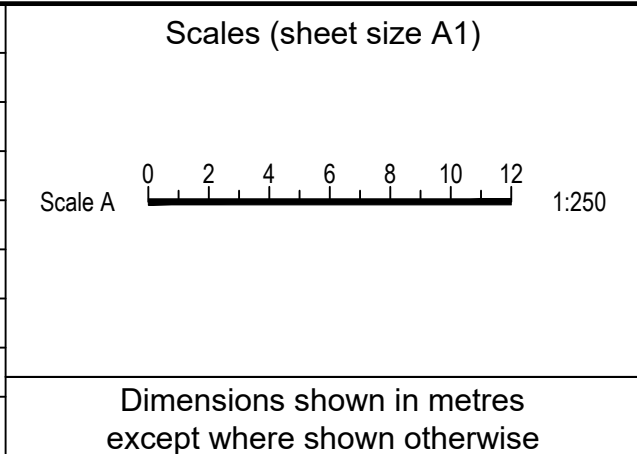
PAVEMENT DESIGN  
(Lower Order Roads Design Guide)

Design Period: 20 Years  
Design Traffic: 5.1 x 10<sup>4</sup> DESA  
Design Subgrade CBR: 2 (Soaked)

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

XREFS -> X\_CRC\_BSC\_TITLE.dwg : X\_SURVEY\_CONTROL.dwg : X\_SURVEY.dwg : X\_HATCH.dwg : X\_CONTROL.dwg : X\_DESIGN.dwg  
Last Modified :- Nov 24, 2023 - 6:22pm

1	Issued For Tender				
20.01	Revisions/Descriptions	Drawn	Approved	Date	





quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client



SHIRE OF OPPORTUNITY

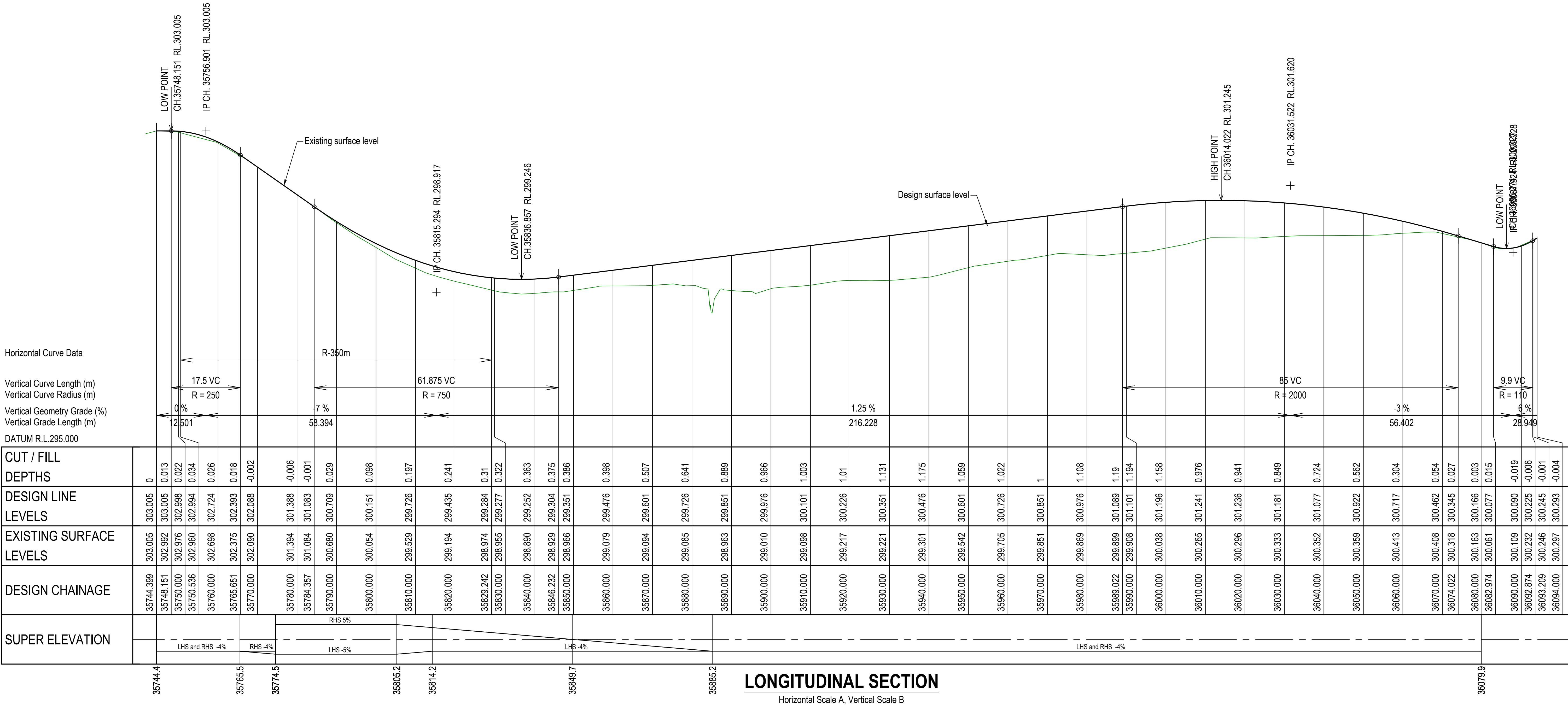
COPYRIGHT

The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION PAVEMENT PLAN		Job No.	CRC00331
		Drawing No.	500
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	4 of



**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.



**LONGITUDINAL SECTION**  
Horizontal Scale A, Vertical Scale B

XREFS - X\_CRC\_BSC\_TITLE.dwg - X\_MC10 LSECT1.dwg

Last Modified :- Nov 24, 2023 - 6:22pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)

Scale A  
0 5 10 15 20 25  
1:500

Scale B  
0 0.5 1.0 1.5 2.0 2.5  
1:50

Dimensions shown in metres  
except where shown otherwise

**crc**  
quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

**Banana SHIRE**  
SHIRE OF OPPORTUNITY

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title

CROWSDALE CAMBOON ROAD  
TWELVE MILE CREEK FLOODWAY REMEDIATION  
LONGITUDINAL SECTION SHEET 1

Drawn  
B Doherty

Designed  
B Doherty

ENC

**ISSUED FOR TENDER**  
24 November 2023

TE

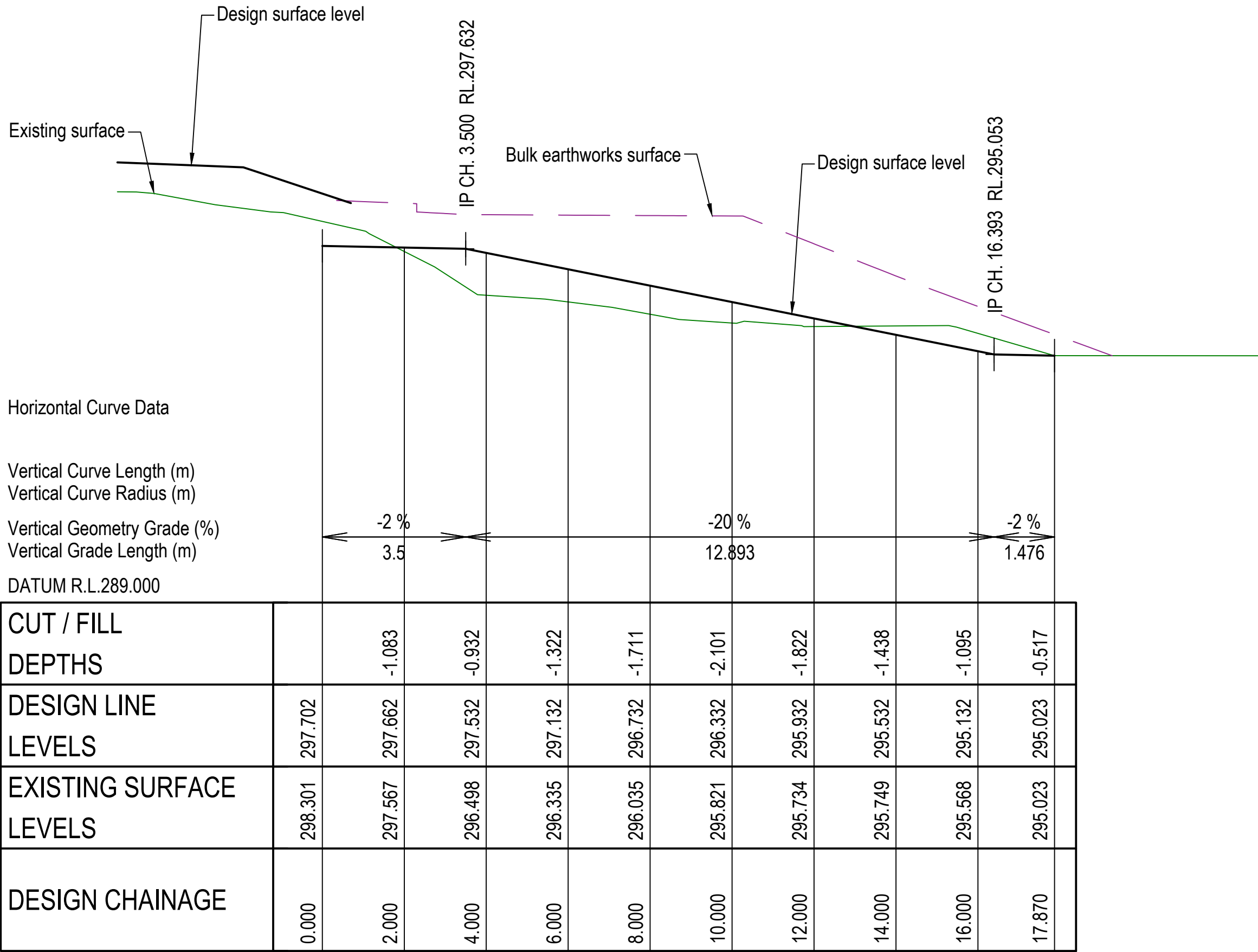
Job No.  
CRC00331

Drawing No.  
600

Revision  
1

Series No.  
5 of

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.



**LONGITUDINAL SECTION**

Horizontal Scale A, Vertical Scale B

XREFS - X\_CRC\_BSC\_TITLE.dwg - X\_MD01\_LSECT1.dwg

Last Modified :- Nov 24, 2023 - 6:23pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)

Scale A 0 1.0 2.0 3.0 4.0 5.0 1:100

Scale B 0 1.0 2.0 3.0 4.0 5.0 1:100

Dimensions shown in metres except where shown otherwise

quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

**Banana**  
SHIRE  
SHIRE OF OPPORTUNITY

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

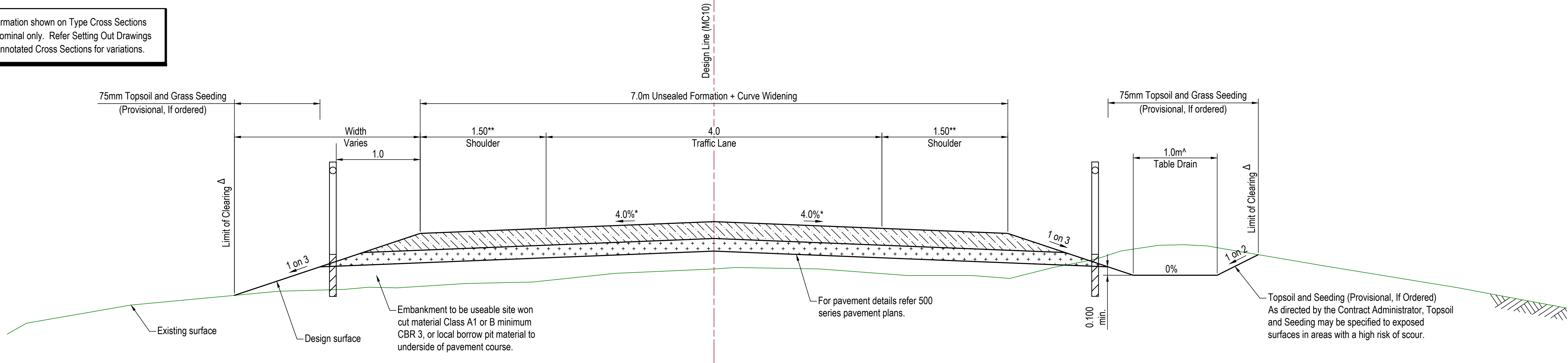
Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION LONGITUDINAL SECTION SHEET 2		Job No.	CRC00331
		Drawing No.	601
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	6 of



**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.



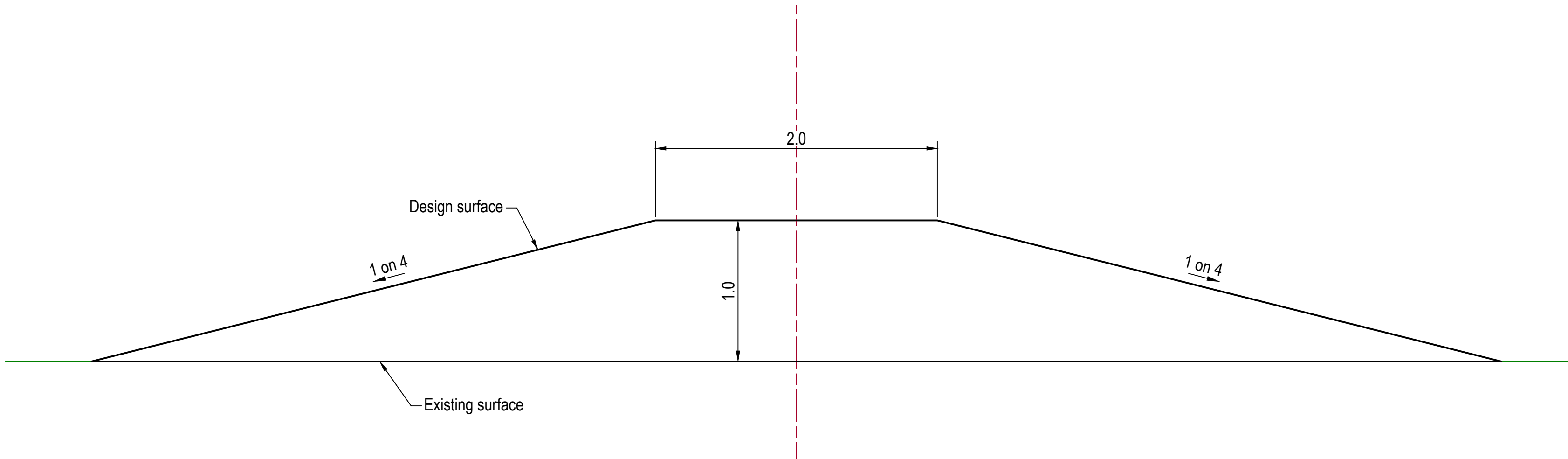
Information shown on Type Cross Sections is nominal only. Refer Setting Out Drawings & Annotated Cross Sections for variations.



**TYPICAL CROSS SECTION A**

Ch. START - END (MC10)  
(Excluding Floodway)  
Not to Scale

- \* X-fall varies. Refer working plan for details.
- \*\* Width varies at curve widening, formation widening and transitions to existing. Refer 400 and 800 series drawings for details.
- Δ Refer 1600 series plans for Limit of Clearing details.



**TYPICAL CROSS SECTION - EARTH BUND**

Not To Scale

XREFS - X\_CRC\_BSC\_TITLE.dwg

Last Modified :- Nov 24, 2023 - 6:23pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)
Dimensions shown in metres except where shown otherwise

**crc**  
quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

**Banana SHIRE**  
SHIRE OF OPPORTUNITY

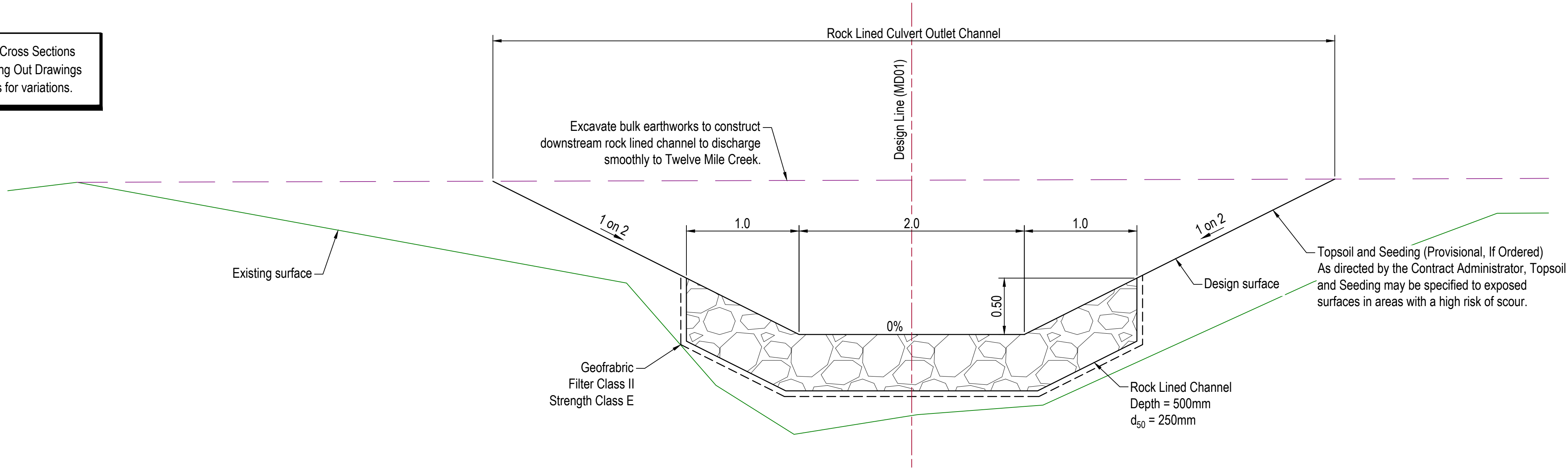
COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title		CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION TYPICAL CROSS SECTIONS SHEET 1	
Drawn	B Doherty	ENGINEERING CERTIFICATION (RPEQ)	
Designed	B Doherty	<b>ISSUED FOR TENDER</b> 24 November 2023	

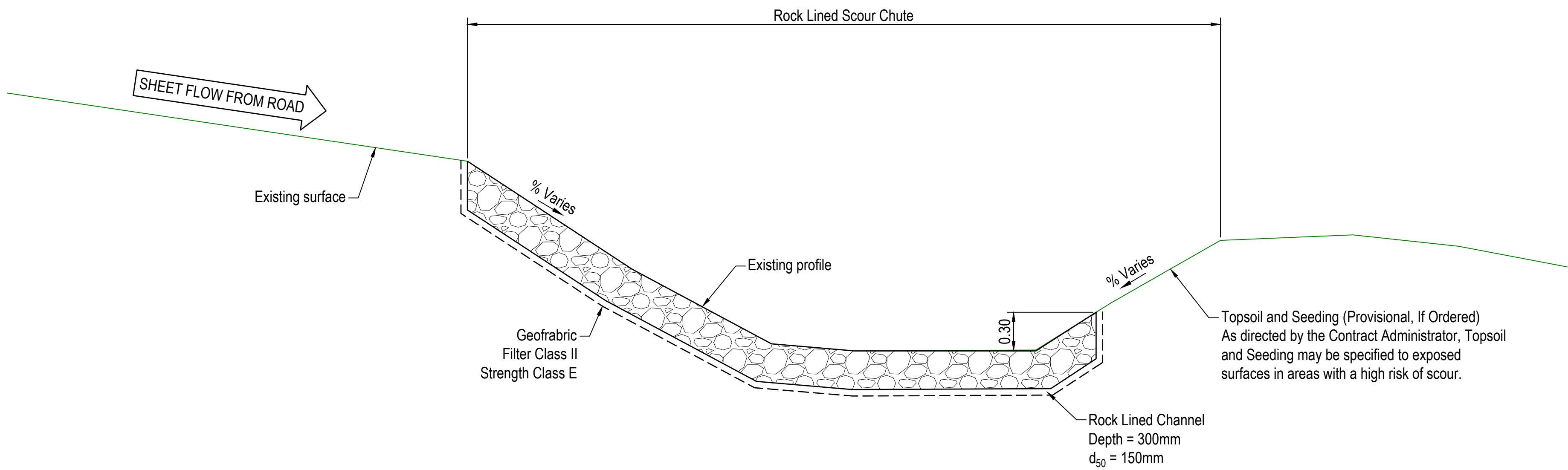
Job No.	CRC00331
Drawing No.	700
Revision	1
Series No.	7 of

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

Information shown on Type Cross Sections is nominal only. Refer Setting Out Drawings & Annotated Cross Sections for variations.



**ROCK LINED CULVERT OUT CHANNEL**  
Not to Scale

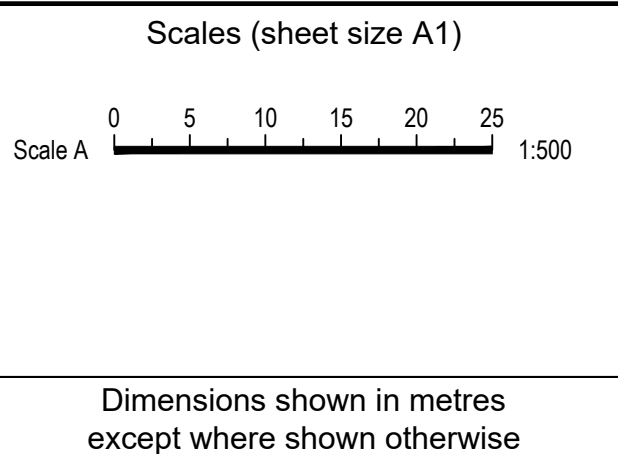


**ROCK LINED SCOUR CHUTE**  
Section looking Northeast (with flow)  
Not to Scale

XREFS - X\_CRC\_BSC\_TITLE.dwg

Last Modified :- Nov 24, 2023 - 6:23pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date



**crc**  
quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

**Banana SHIRE**  
SHIRE OF OPPORTUNITY

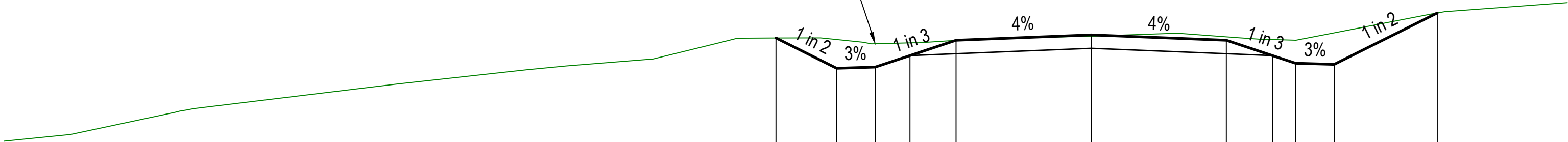
COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION TYPICAL CROSS SECTIONS SHEET 2		Job No.	CRC00331
		Drawing No.	701
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	8 of





Existing surface level

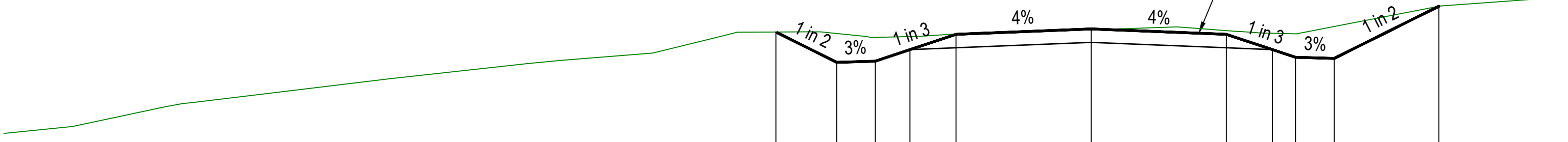


DATUM RL 299.200

DESIGN LEVEL		302.911	302.126	302.156	302.456	302.854		302.994		302.854	302.456	302.256	302.226	303.562
EXISTING LEVEL		302.911	302.872	302.762	302.785	302.851		302.960		302.942	302.871	302.854	303.047	303.562
OFFSET		-8.165	-6.594	-5.594	-4.694	-3.500		0.000		3.500	4.694	5.294	6.294	8.966

CH. 35750.536

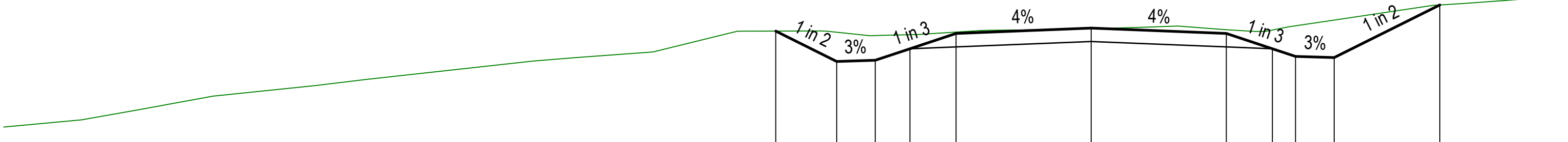
Design surface level



DATUM RL 299.200

DESIGN LEVEL		302.918	302.130	302.160	302.460	302.858		302.998		302.858	302.460	302.260	302.230	303.587
EXISTING LEVEL		302.918	302.880	302.778	302.800	302.867		302.976		302.954	302.886	302.870	303.060	303.587
OFFSET		-8.169	-6.594	-5.594	-4.694	-3.500		0.000		3.500	4.694	5.294	6.294	9.008

CH. 35750.000



DATUM RL 299.400

DESIGN LEVEL		302.926	302.137	302.167	302.467	302.865		303.005		302.865	302.467	302.267	302.237	303.606
EXISTING LEVEL		302.926	302.896	302.810	302.832	302.900		302.992		302.963	302.953	303.063	303.212	303.606
OFFSET		-8.172	-6.594	-5.594	-4.694	-3.500		0.000		3.500	4.694	5.294	6.294	9.032

CH. 35748.151

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

CROSS SECTIONS

Scale A

XREFS - X\_CRC\_BSC\_TITLE.dwg - X\_MC10\_XSECT\_1.dwg

Last Modified :- Nov 24, 2023 - 6:23pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)

Scale A

0 1.0 2.0 3.0 4.0 5.0 1:100

Dimensions shown in metres except where shown otherwise

quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

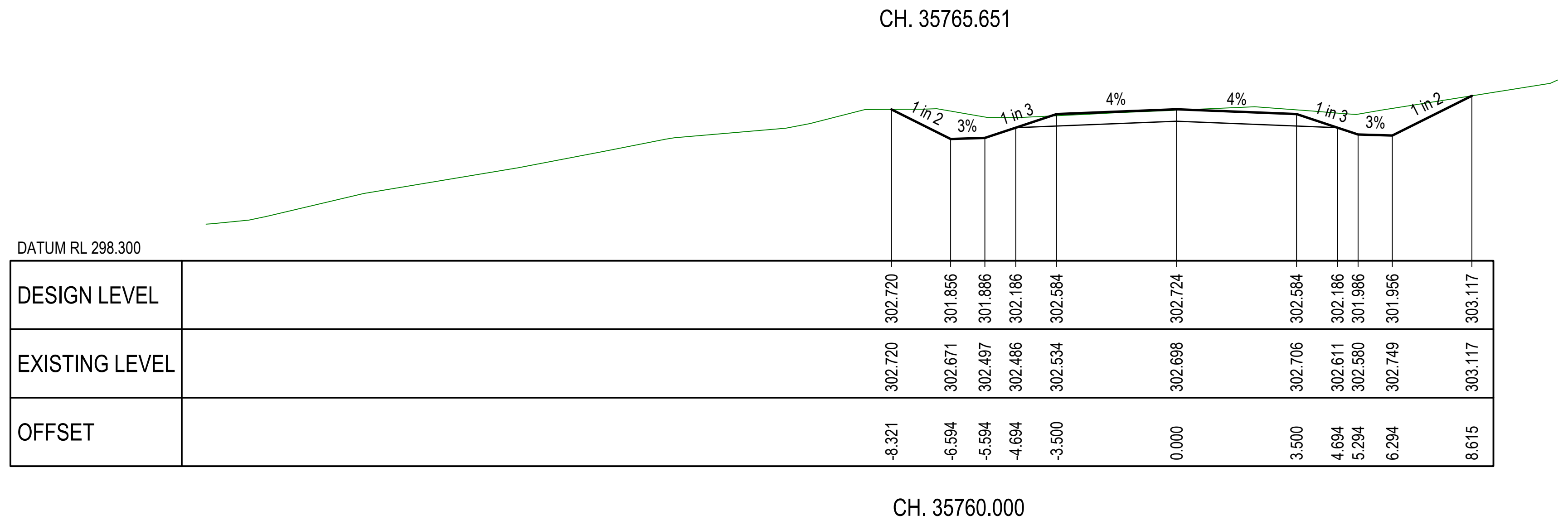
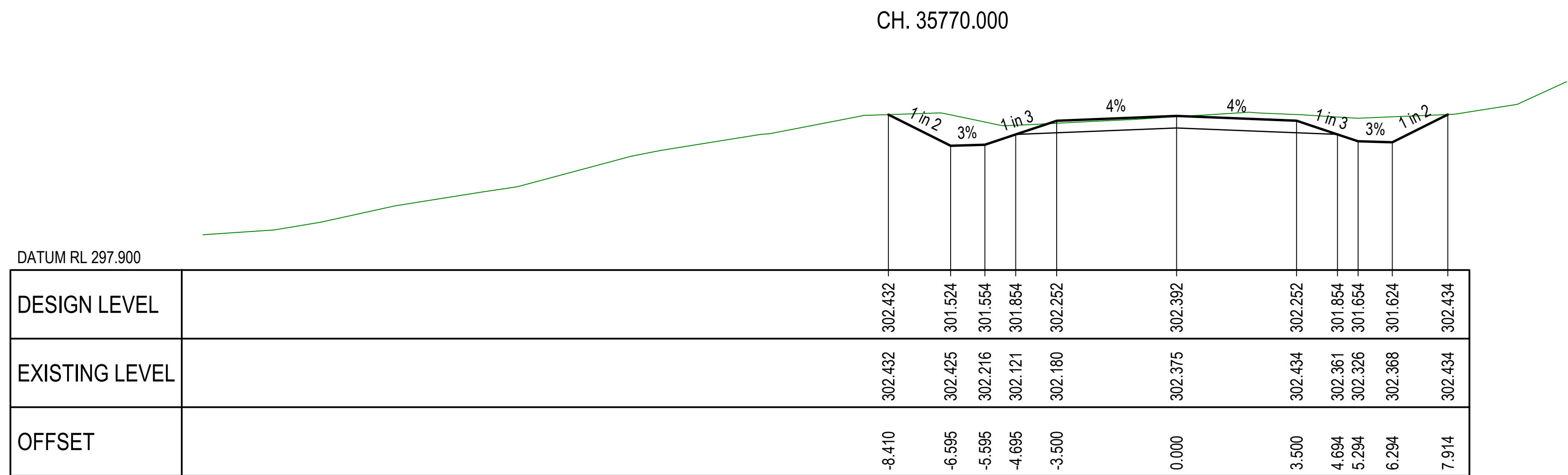
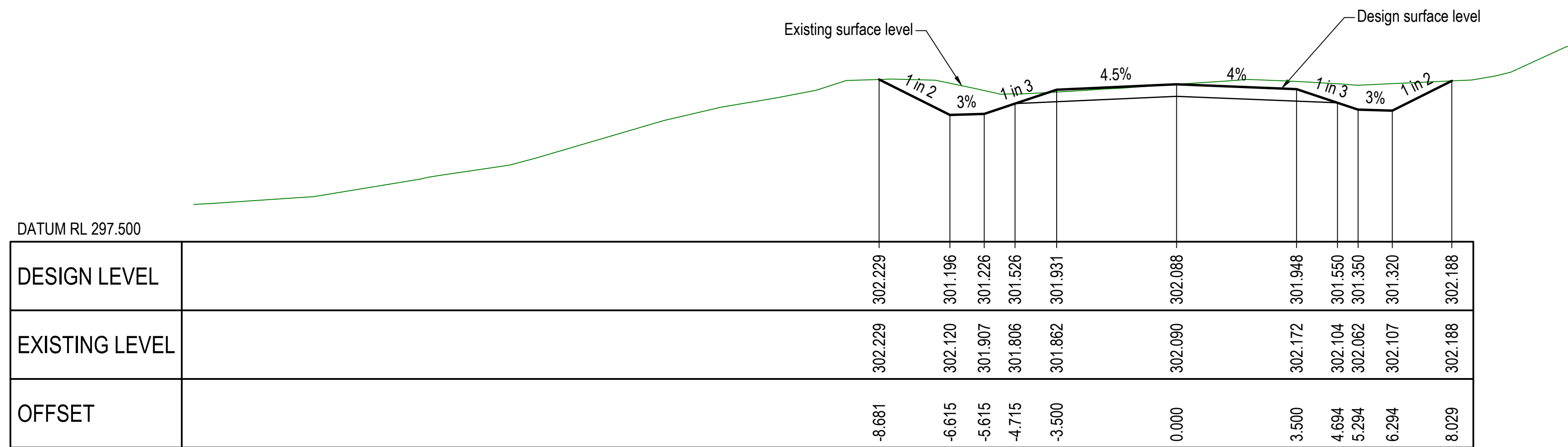
Client

SHIRE OF OPPORTUNITY

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 1		Job No.	CRC00331
		Drawing No.	800
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	9 of





**WARNING!**

**BEWARE OF UNDERGROUND SERVICES**

The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

## CROSS SECTIONS

Scale A

					<p>Scales (sheet size A1)</p> <p>0 1.0 2.0 3.0 4.0 5.0</p> <p>Scale A 1:100</p>				<p>Client</p>		<p>Title</p> <p>CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 2</p>		<p>Job No.</p> <p>CRC00331</p>	
											<p>Drawing No.</p> <p>801</p>			
1 Issued For Tender									<p>Drawn</p> <p>B Doherty</p>		<p>ENGINEERING CERTIFICATION (RPEQ)</p>		<p>Revision</p> <p>1</p>	
20.01 Revisions/Descriptions									<p>Designed</p> <p>B Doherty</p>		<p><b>ISSUED FOR TENDER</b></p> <p>24 November 2023</p>		<p>Series No.</p> <p>10 of</p>	
Dimensions shown in metres except where shown otherwise					245 Mary Street, GYMPIE, QLD, 4570 ABN 73 617 924 437 Ph: 0477 322 555		COPYRIGHT The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.							



DATUM RL 296.100

DESIGN LEVEL		300.310	299.792	299.822	300.122	300.534		300.709		300.884	300.580	300.380	300.350	300.999
EXISTING LEVEL		300.310	300.310	300.278	300.237	300.394		300.680		300.733	300.651	300.639	300.795	300.999
OFFSET		-7.674	-6.637	-5.637	-4.737	-3.500		0.000		3.500	4.414	5.014	6.014	7.313

CH. 35790.000

Design surface level

DATUM RL 296.400

DESIGN LEVEL		300.977	300.166	300.196	300.496	300.908		301.083		301.258	300.953	300.753	300.723	301.284
EXISTING LEVEL		300.977	300.765	300.672	300.673	300.801		301.084		301.152	301.094	301.036	301.117	301.284
OFFSET		-8.259	-6.637	-5.637	-4.737	-3.500		0.000		3.500	4.414	5.014	6.014	7.136

CH. 35784.357

Existing surface level

DATUM RL 296.800

DESIGN LEVEL		301.415	300.471	300.501	300.801	301.213		301.388		301.563	301.258	301.058	301.028	301.607
EXISTING LEVEL		301.415	301.248	301.052	301.013	301.116		301.394		301.469	301.412	301.371	301.429	301.607
OFFSET		-8.526	-6.637	-5.637	-4.737	-3.500		0.000		3.500	4.414	5.014	6.014	7.172

CH. 35780.000

**WARNING!**

**BEWARE OF UNDERGROUND SERVICES**

The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

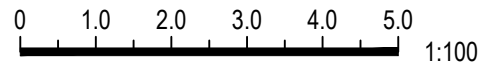
CROSS SECTIONS

Scale A


1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)

Scale A




Dimensions shown in metres except where shown otherwise



quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570

ABN 73 617 924 437 Ph: 0477 322 555



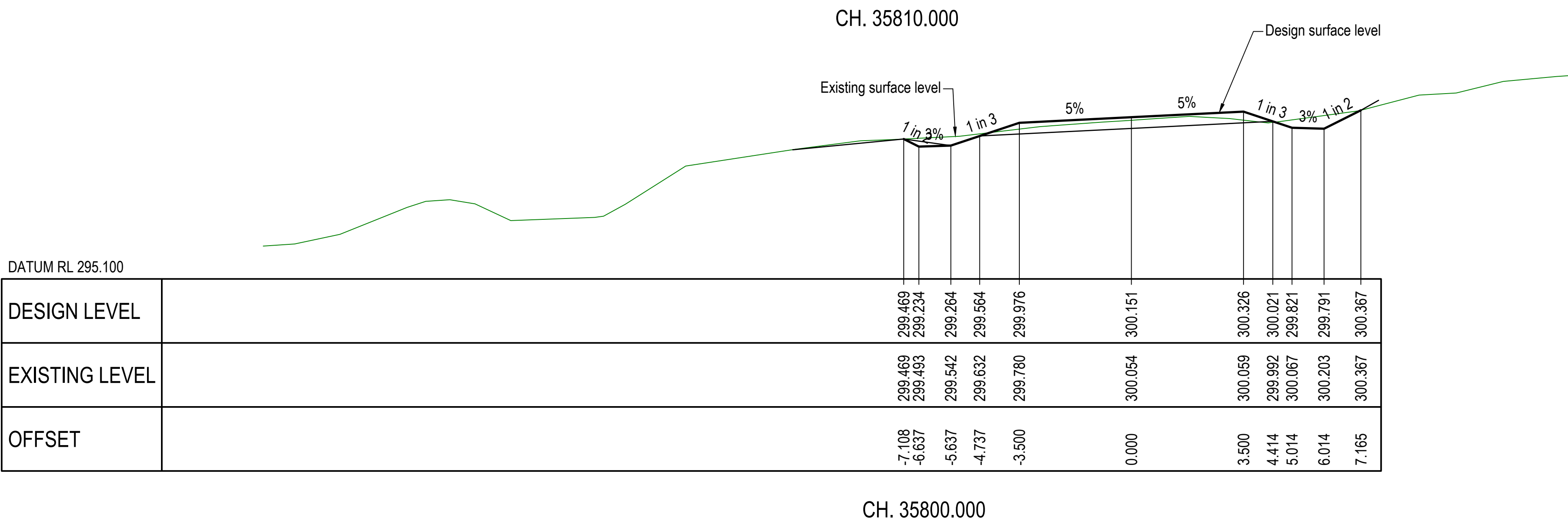
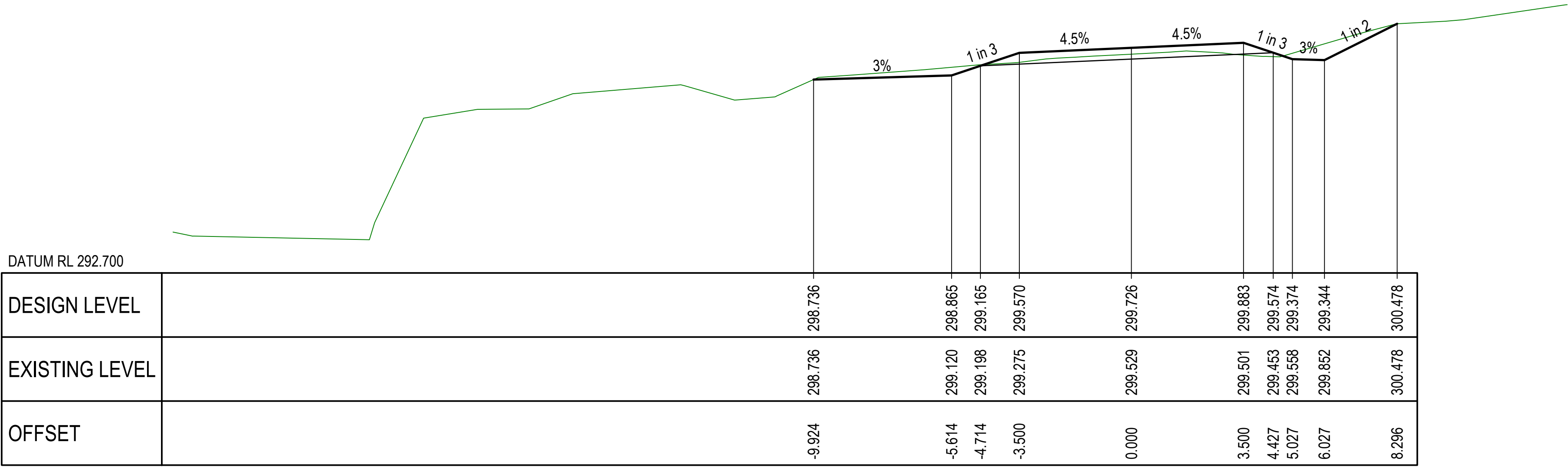
Client

COPYRIGHT

The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 3		Job No.	CRC00331
		Drawing No.	802
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	11 of





**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

CROSS SECTIONS

Scale A

1	Issued For Tender			

20.01	Revisions/Descriptions	Drawn	Approved	Date
-------	------------------------	-------	----------	------

Scales (sheet size A1)

Scale A

0

1.0

2.0


3.0

4.0

5.0

1:100

Dimensions shown in metres  
except where shown otherwise




quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570

ABN 73 617 924 437    Ph: 0477 322 555

Client



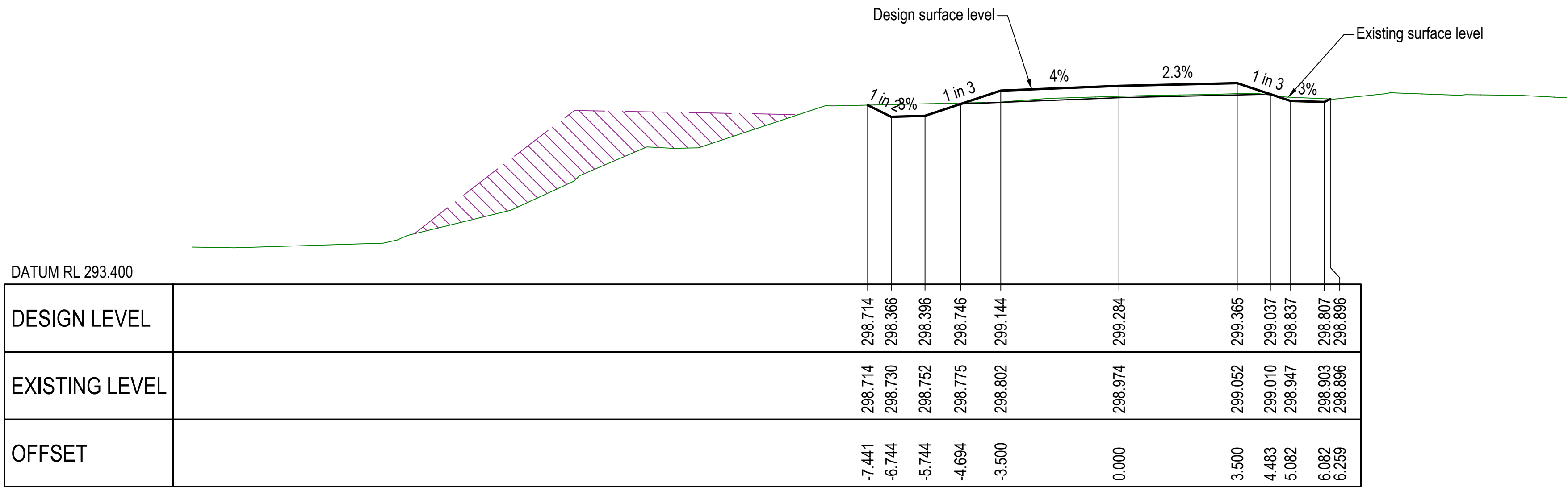
SHIRE OF OPPORTUNITY

COPYRIGHT

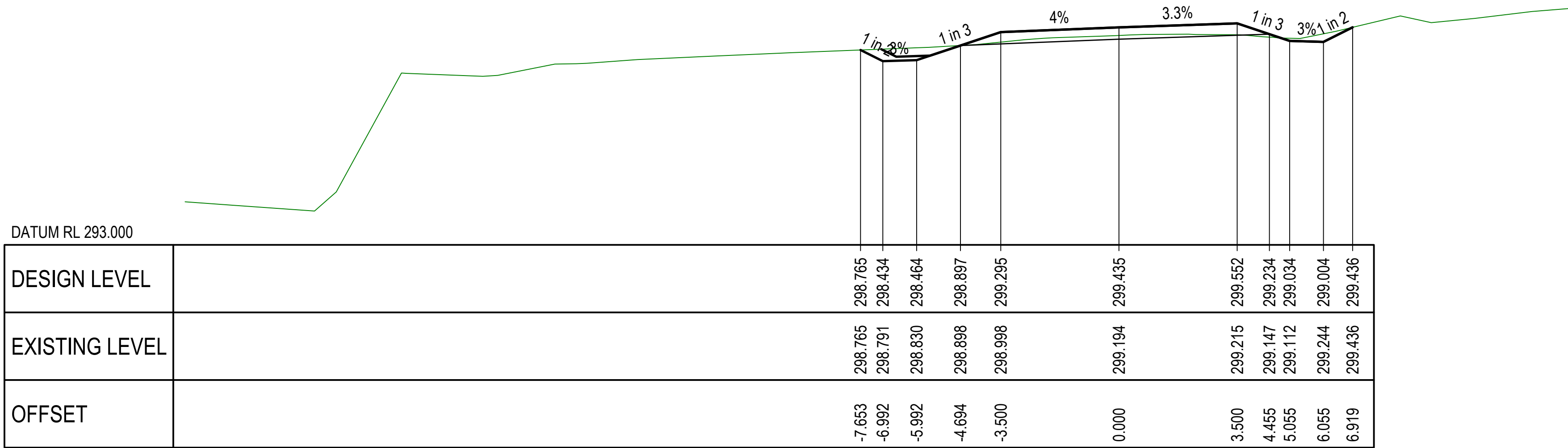
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 4		Job No.	CRC00331
		Drawing No.	803
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <div>ISSUED FOR TENDER</div> <div>24 November 2023</div>	Revision	1
Designed B Doherty		Series No.	12 of





CH. 35829.242



CH. 35820.000

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

**CROSS SECTIONS**

Scale A

XREFS - X\_CRC\_BSC\_TITLE.dwg - X\_MC10\_XSECT\_5.dwg  
Last Modified :- Nov 24, 2023 - 6:23pm


1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)


Scale A

0 1.0 2.0 3.0 4.0 5.0 1:100

Dimensions shown in metres  
except where shown otherwise



**crc**  
quality people client focused solution driven  
245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555



**Banana SHIRE**  
SHIRE OF OPPORTUNITY  
Client  
COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 5		Job No.	CRC00331
		Drawing No.	804
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	13 of





DATUM RL 293.500

DESIGN LEVEL		298.647	298.286	298.316	298.714	299.112		299.252		299.290	298.951	298.751	298.721	298.787
EXISTING LEVEL		298.647	298.797	298.881	298.821	298.792		298.890		298.902	298.872	298.824	298.789	298.787
OFFSET		-7.613	-6.890	-5.890	-4.694	-3.500		0.000		3.500	4.517	5.117	6.117	6.248

CH. 35840.000

Existing surface level  
Design surface level

DATUM RL 293.400

DESIGN LEVEL		298.466	298.309	298.339	298.708	299.106		299.246		299.296	298.961	298.761	298.731	298.820
EXISTING LEVEL		297.770	297.968	298.348	298.727	298.798		298.873		298.933	298.899	298.850	298.823	298.820
OFFSET		-7.113	-6.799	-5.799	-4.694	-3.500		0.000		3.500	4.507	5.107	6.107	6.285

CH. 35836.857

DATUM RL 293.400

DESIGN LEVEL		298.717	298.361	298.391	298.739	299.137		299.277		299.354	299.026	298.826	298.796	298.883
EXISTING LEVEL		298.717	298.731	298.750	298.769	298.792		298.955		299.035	298.998	298.934	298.890	298.883
OFFSET		-7.453	-6.739	-5.739	-4.694	-3.500		0.000		3.500	4.485	5.085	6.085	6.268

CH. 35830.000

WARNING!

BEWARE OF UNDERGROUND SERVICES

The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

CROSS SECTIONS

Scale A

XREFS - X\_CRC\_BSC\_TITLE.dwg - X\_MC10\_XSECT\_6.dwg  
Last Modified :- Nov 24, 2023 - 6:23pm

1	Issued For Tender				
20.01	Revisions/Descriptions	Drawn	Approved	Date	

Scales (sheet size A1)

Scale A  
0 1.0 2.0 3.0 4.0 5.0  
1:100

Dimensions shown in metres  
except where shown otherwise

crc

quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

Banana SHIRE

SHIRE OF OPPORTUNITY

COPYRIGHT

The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 6		Job No.	CRC00331
		Drawing No.	805
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <div>ISSUED FOR TENDER</div> <div>24 November 2023</div>	Revision	1
Designed B Doherty		Series No.	14 of





DATUM RL 293.500

DESIGN LEVEL		298.743	298.135	298.165		298.938	299.336		299.476		299.436	299.073	298.873	298.843	298.928
EXISTING LEVEL		297.202	297.860	298.591		298.960	298.997		299.079		299.109	299.073	299.021	298.919	298.928
OFFSET		-9.228	-8.013	-7.013		-4.694	-3.500		0.000		3.500	4.588	5.188	6.188	6.358

CH. 35860.000

Design surface level

DATUM RL 293.500

DESIGN LEVEL		298.622	298.210	298.240		298.813	299.211		299.351		299.350	299.000	298.800	298.770	298.838
EXISTING LEVEL		298.007	297.701	298.689		299.017	299.023		298.966		298.965	298.951	298.888	298.840	298.838
OFFSET		-8.236	-7.413	-6.413		-4.694	-3.500		0.000		3.500	4.551	5.151	6.151	6.288

CH. 35850.000

Existing surface level

DATUM RL 293.500

DESIGN LEVEL		298.576	298.239	298.269		298.766	299.164		299.304		299.318	298.972	298.772	298.742	298.812
EXISTING LEVEL		297.301	297.688	298.391		298.969	299.015		298.929		298.920	298.904	298.843	298.814	298.812
OFFSET		-7.861	-7.186	-6.186		-4.694	-3.500		0.000		3.500	4.538	5.138	6.138	6.279

CH. 35846.232

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

CROSS SECTIONS

Scale A

XREFS - X\_MC10\_XSECT\_7.dwg : X\_CRC\_BSC\_TITLE.dwg  
Last Modified :- Nov 24, 2023 - 6:23pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)

Scale A

0 1.0 2.0 3.0 4.0 5.0 1:100

Dimensions shown in metres except where shown otherwise

quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

SHIRE OF OPPORTUNITY

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 7		Job No.	CRC00331
		Drawing No.	806
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	15 of





DATUM RL 294.000

DESIGN LEVEL				298 800	299 226	299 624		299 764		299 633	299 238	299 038	299 025
EXISTING LEVEL				298 161	298 450	298 609		299 016		299 194	299 260	299 248	299 025
OFFSET				-5.970	-4.694	-3.500		0.000		3.500	4.684	5.284	5.721

CH. 35883.000  
Existing surface level

DATUM RL 293.800

DESIGN LEVEL				298 649	297 985	298 015		299 188	299 586		299 726		299 607	299 217	299 017	298 997
EXISTING LEVEL				298 341	298 796	298 743		298 630	298 752		299 085		299 220	299 252	299 167	298 997
OFFSET				-10.543	-9.214	-8.214		-4.694	-3.500		0.000		3.500	4.670	5.270	5.934

CH. 35880.000  
Design surface level

DATUM RL 293.500

DESIGN LEVEL				298 588	298 060	298 030		299 063	299 461		299 601		299 521	299 145	298 945	298 915	299 007
EXISTING LEVEL				298 506	298 798	298 831		298 918	298 951		299 094		299 188	299 156	299 105	299 022	299 007
OFFSET				-9.670	-8.613	-7.613		-4.694	-3.500		0.000		3.500	4.628	5.228	6.228	6.410

CH. 35870.000

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

CROSS SECTIONS

Scale A

Scales (sheet size A1)

Scale A

0 1.0 2.0 3.0 4.0 5.0 1:100

Dimensions shown in metres except where shown otherwise

quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

SHIRE OF OPPORTUNITY

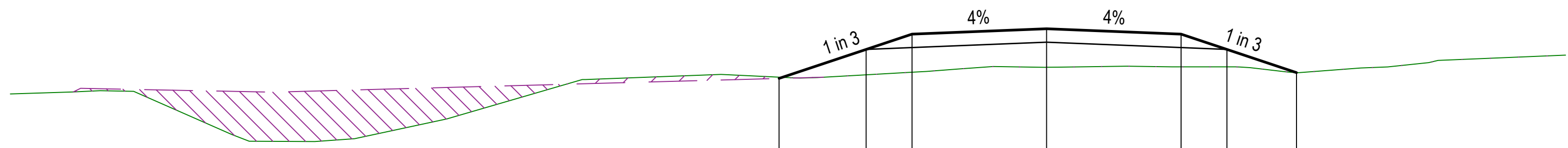
COPYRIGHT

The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 8		Job No.	CRC00331
		Drawing No.	807
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	16 of

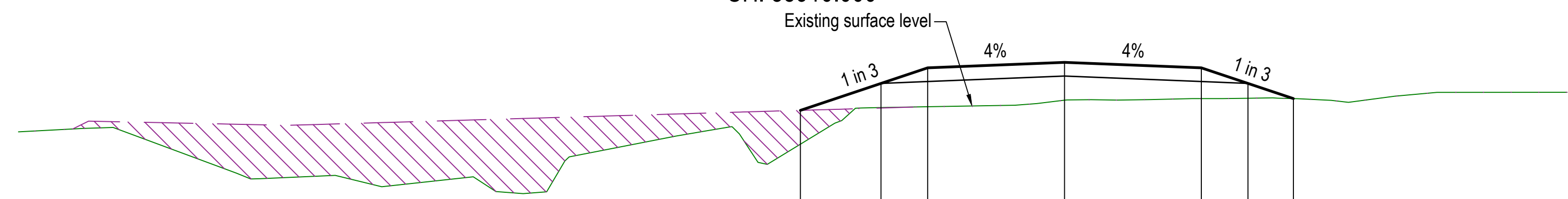
Last Modified :- Nov 24, 2023 - 6:23pm  
XREFS :- X\_MC10\_XSECT\_B.dwg : X\_CRC\_BSC\_TITLE.dwg





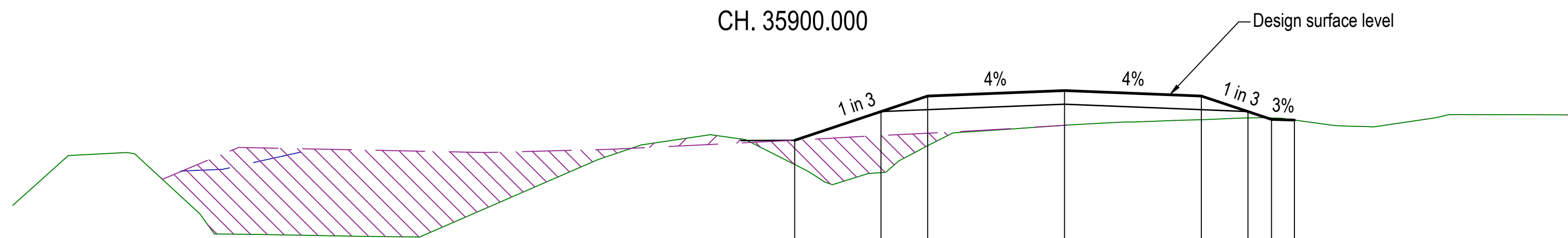
DATUM RL 296.100

DESIGN LEVEL		298.808	299.563	299.961	300.101	299.961	299.563	298.960
EXISTING LEVEL		298.841	298.902	298.969	299.098	299.110	299.109	298.960
OFFSET		-6.959	-4.694	-3.500	0.000	3.500	4.694	6.503



DATUM RL 295.600

DESIGN LEVEL		298.751	299.438	299.836	299.976	299.836	299.438	299.051
EXISTING LEVEL		297.887	298.821	298.842	299.010	299.051	299.060	299.051
OFFSET		-6.756	-4.694	-3.500	0.000	3.500	4.694	5.856



DATUM RL 295.100

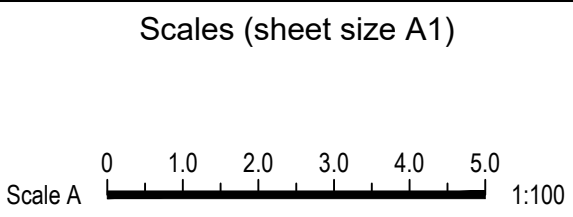
DESIGN LEVEL		298.578	299.313	299.711	299.851	299.711	299.313	299.113
EXISTING LEVEL		297.957	297.749	298.441	298.963	299.105	299.151	299.096
OFFSET		-6.901	-4.694	-3.500	0.000	3.500	4.694	5.882

CH. 35890.000

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

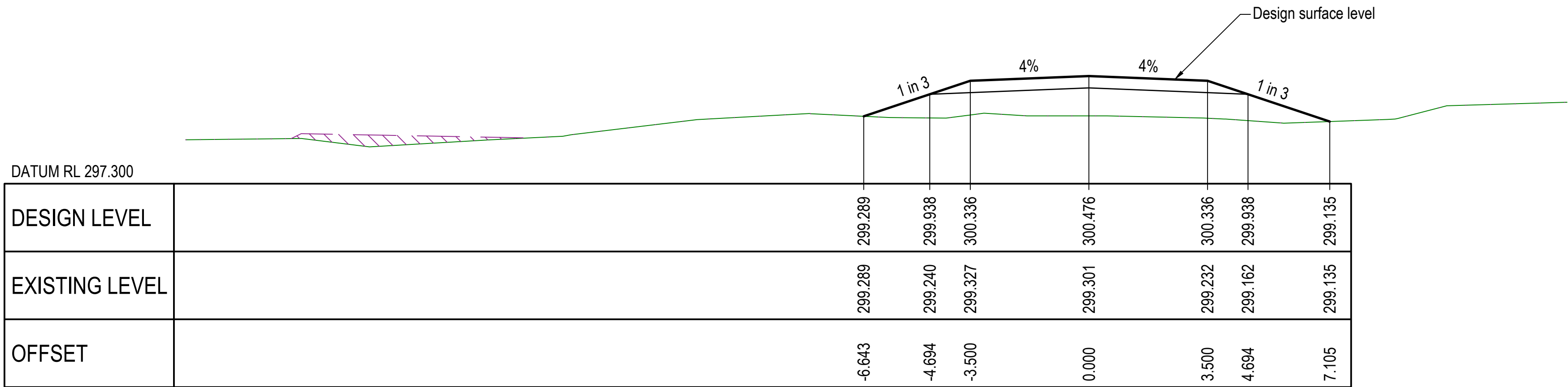
## CROSS SECTIONS

Scale A

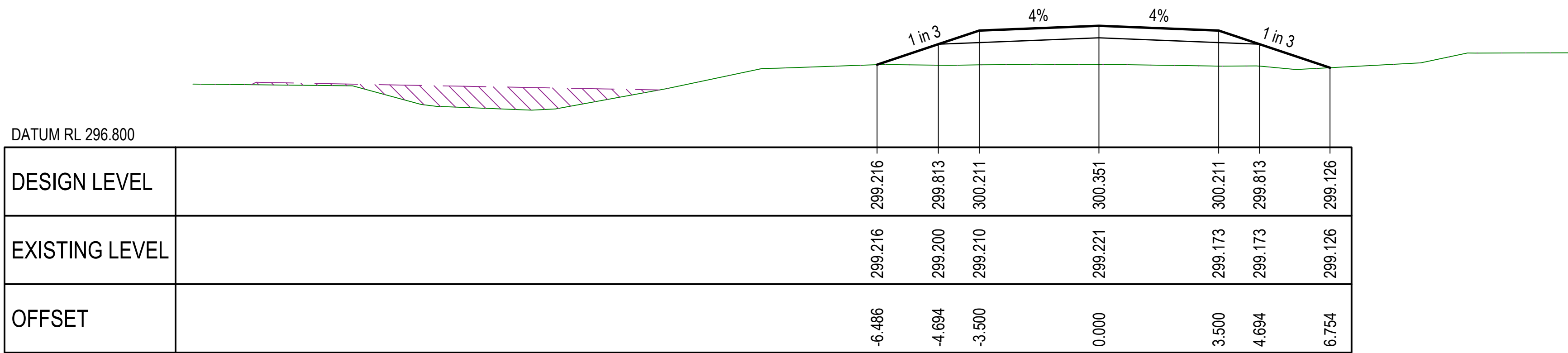


Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 9		Job No.	CRC00331
		Drawing No.	808
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ)	Revision	1
Designed B Doherty	<b>ISSUED FOR TENDER</b> 24 November 2023	Series No.	17 of

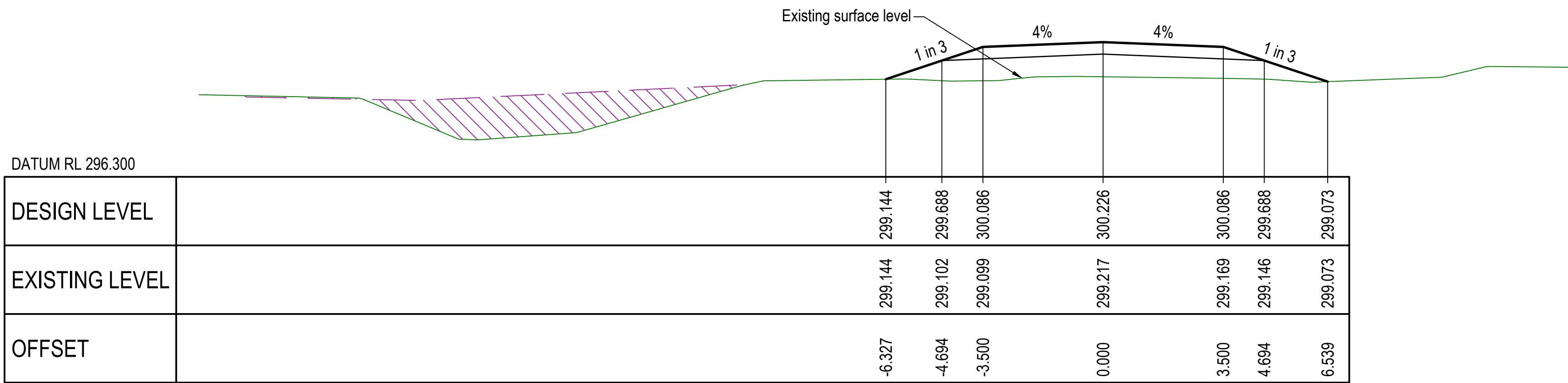




CH. 35940.000



CH. 35930.000



CH. 35920.000

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

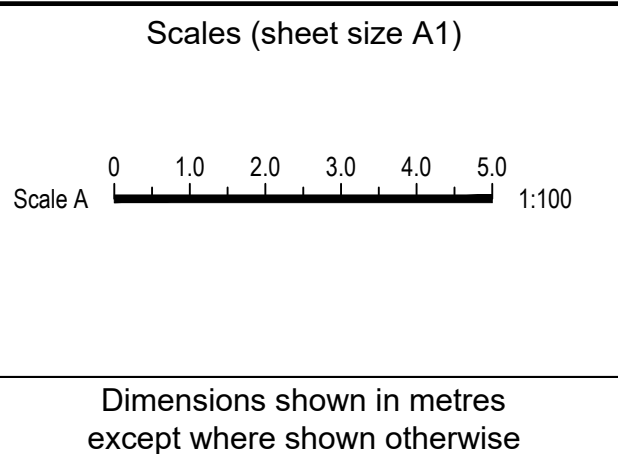
CROSS SECTIONS


Scale A

XREFS - X\_CRC\_BSC\_TITLE.dwg - X\_MC10\_XSECT\_10.dwg


Last Modified :- Nov 24, 2023 - 6:23pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date





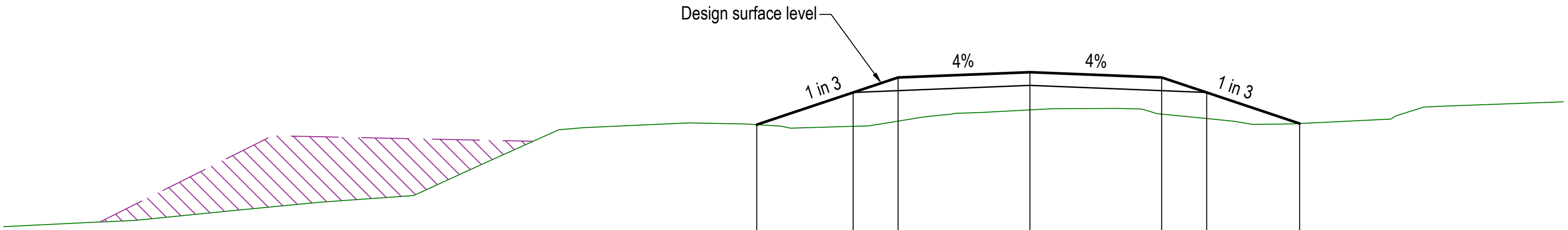
**crc**  
quality people client focused solution driven  
245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555



**Banana**  
SHIRE  
SHIRE OF OPPORTUNITY  
Client  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

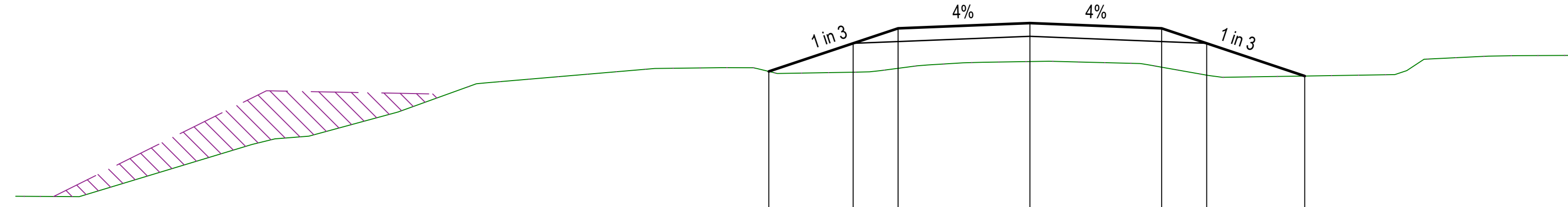
Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 10		Job No.	CRC00331
		Drawing No.	809
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	18 of





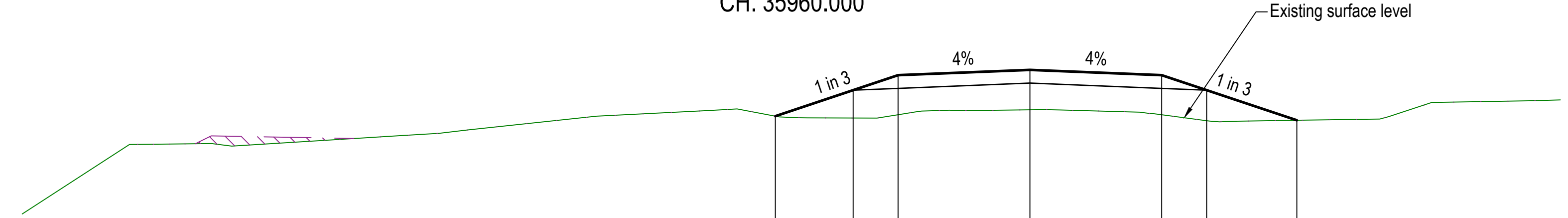
DATUM RL 295.700							
DESIGN LEVEL		299.460	300.313	300.711	300.851	300.711	299.490
EXISTING LEVEL		299.460	299.417	299.554	299.851	299.741	299.490
OFFSET		-7.254	-4.694	-3.500	0.000	3.500	4.694

CH. 35970.000



DATUM RL 295.100							
DESIGN LEVEL		299.441	300.188	300.586	300.726	300.586	299.320
EXISTING LEVEL		299.441	299.421	299.525	299.705	299.555	299.320
OFFSET		-6.935	-4.694	-3.500	0.000	3.500	4.694

CH. 35960.000



DATUM RL 295.700							
DESIGN LEVEL		299.374	300.063	300.461	300.601	300.461	299.265
EXISTING LEVEL		299.374	299.325	299.413	299.542	299.411	299.265
OFFSET		-6.761	-4.694	-3.500	0.000	3.500	4.694

CH. 35950.000

WARNING!

BEWARE OF UNDERGROUND SERVICES

The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

CROSS SECTIONS

Scale A

XREFS - X\_CRC\_BSC\_TITLE.dwg - X\_MC10\_XSECT\_11.dwg  
Last Modified :- Nov 24, 2023 - 6:24pm

1	Issued For Tender			

Scales (sheet size A1)

Scale A

0

1.0

2.0

3.0

4.0

5.0

1:100

Dimensions shown in metres  
except where shown otherwise

crc

quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

Banana SHIRE

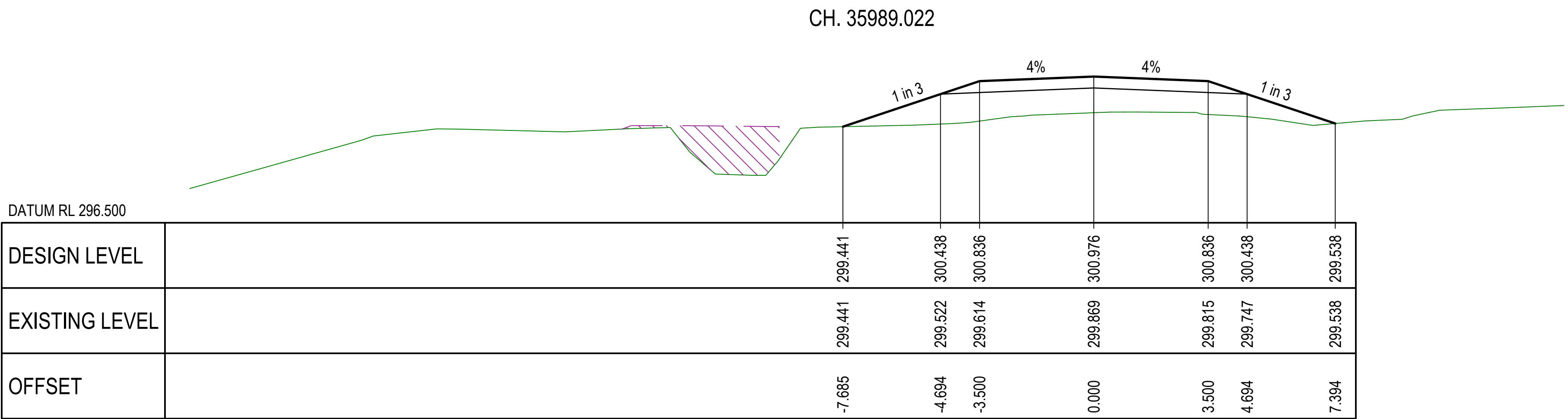
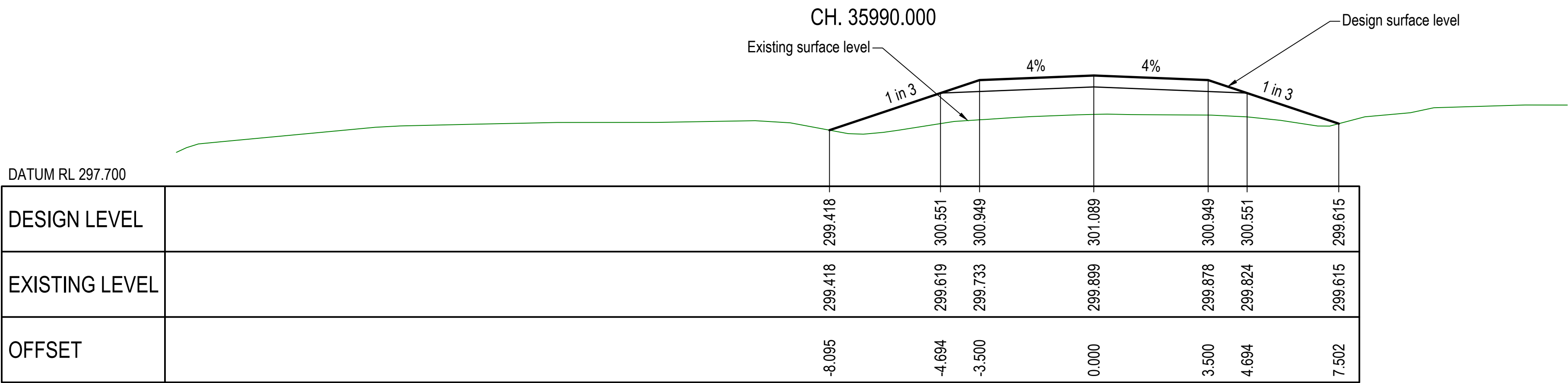
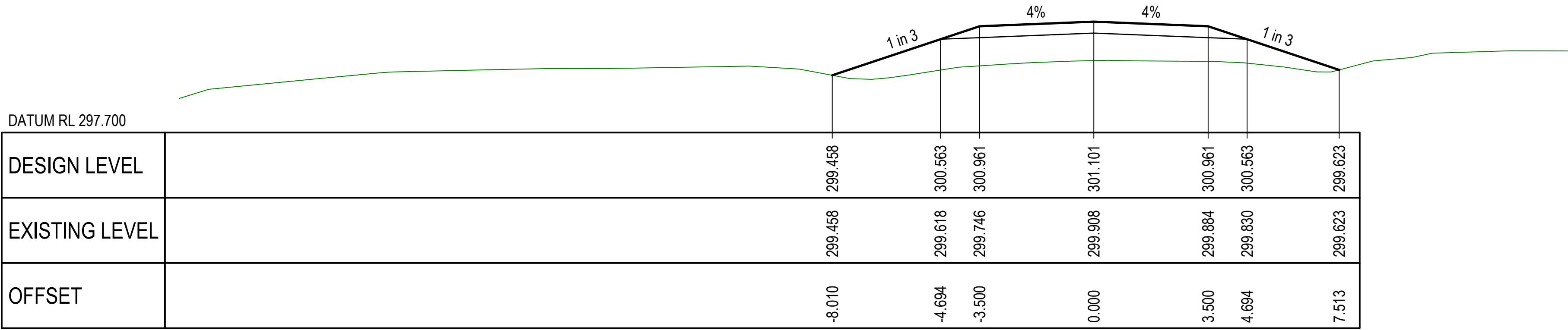
SHIRE OF OPPORTUNITY

COPYRIGHT

The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 11		Job No.	CRC00331
		Drawing No.	810
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <div>ISSUED FOR TENDER</div> <div>24 November 2023</div>	Revision	1
Designed B Doherty		Series No.	19 of





**WARNING!**

**BEWARE OF UNDERGROUND SERVICES**

The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

CROSS SECTIONS

Scale A

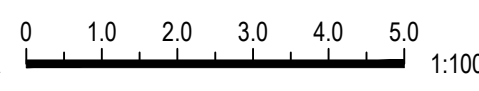
XREFS - X\_MC10\_XSECT\_12.dwg : X\_CRC\_BSC\_TITLE.dwg

Last Modified :- Nov 24, 2023 - 6:24pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date


Scales (sheet size A1)

Scale A



0 1.0 2.0 3.0 4.0 5.0 1:100


Dimensions shown in metres  
except where shown otherwise



**crc**  
quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

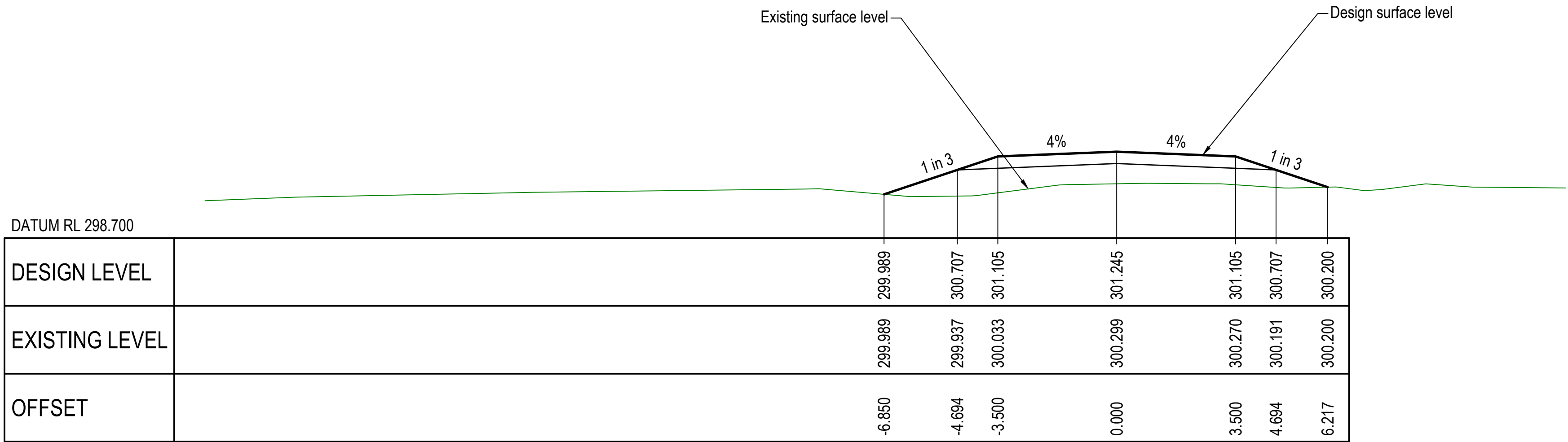


**Banana SHIRE**  
SHIRE OF OPPORTUNITY

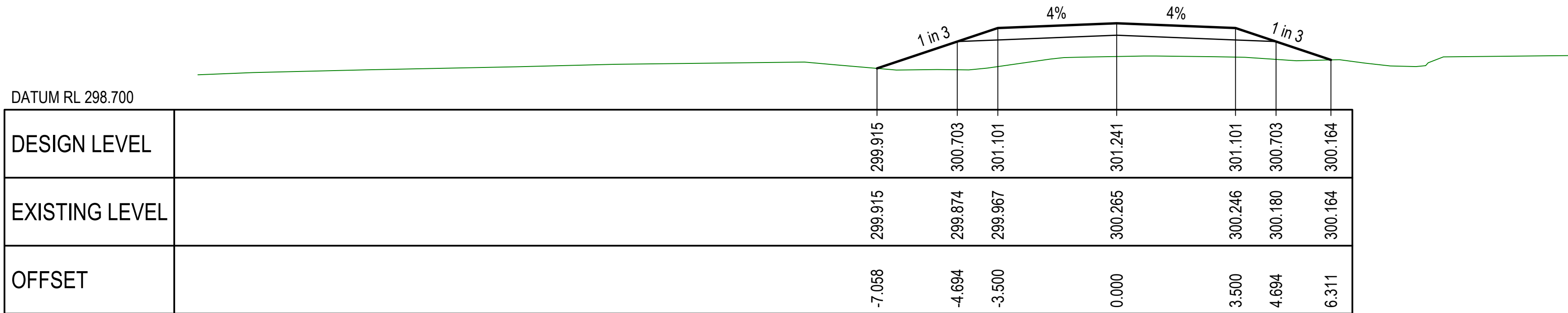
COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 12		Job No.	CRC00331
		Drawing No.	811
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	20 of

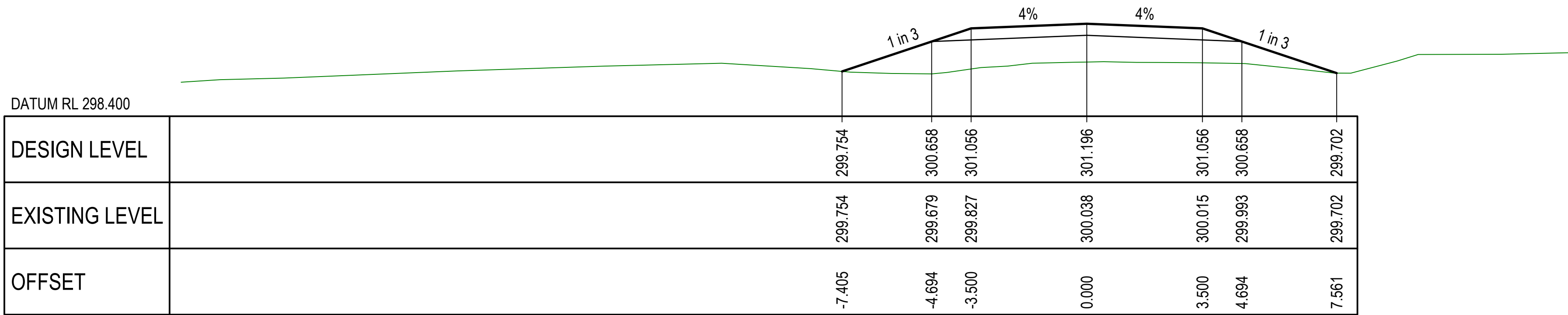




CH. 36014.022



CH. 36010.000



CH. 36000.000

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

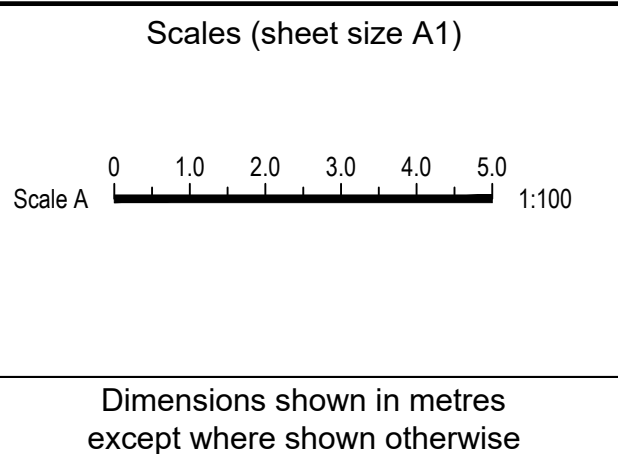
**CROSS SECTIONS**

Scale A

XREFS - X\_MC10\_XSECT\_13.dwg : X\_CRC\_BSC\_TITLE.dwg

Last Modified :- Nov 24, 2023 - 6:24pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date



**crc**  
quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

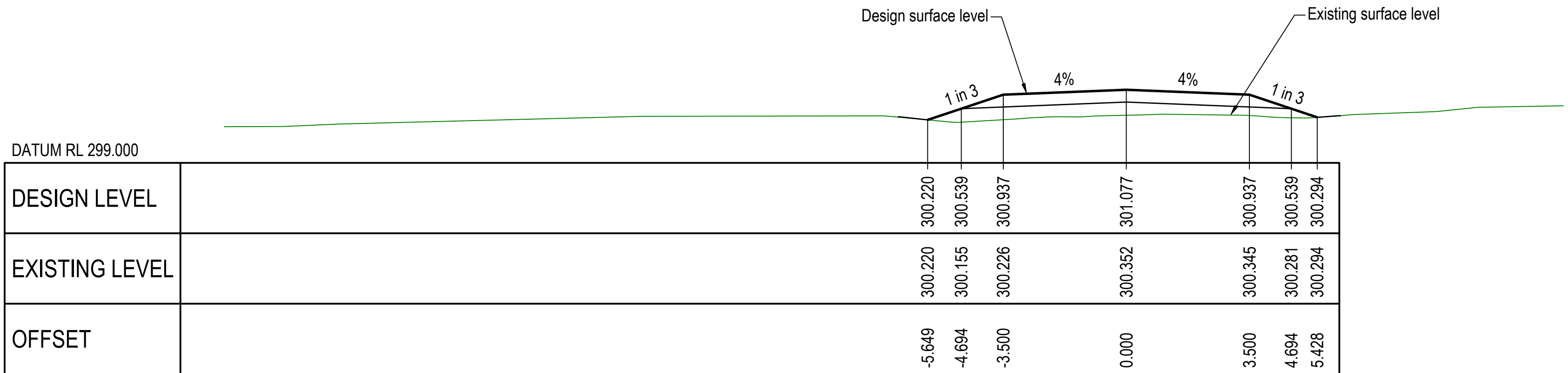
Client

**Banana SHIRE**  
SHIRE OF OPPORTUNITY

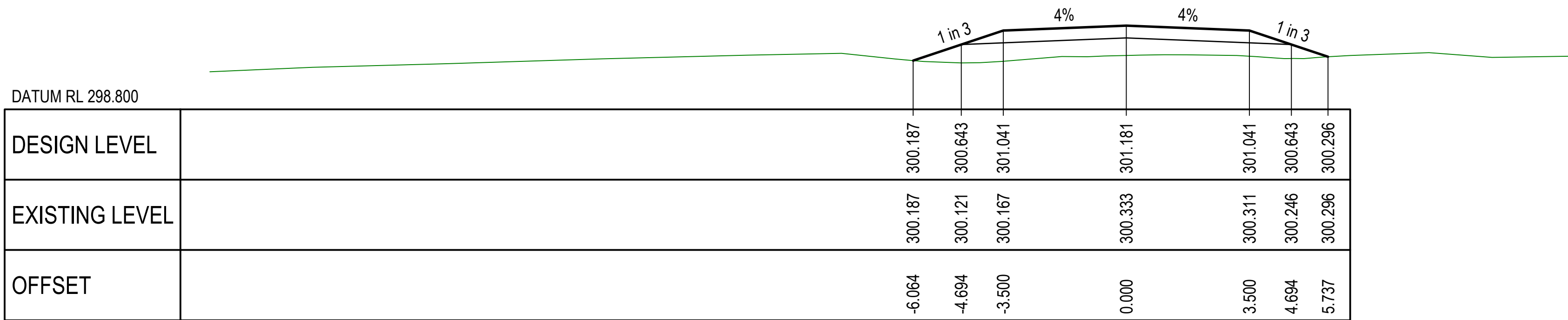
COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 13		Job No.	CRC00331
		Drawing No.	812
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	21 of

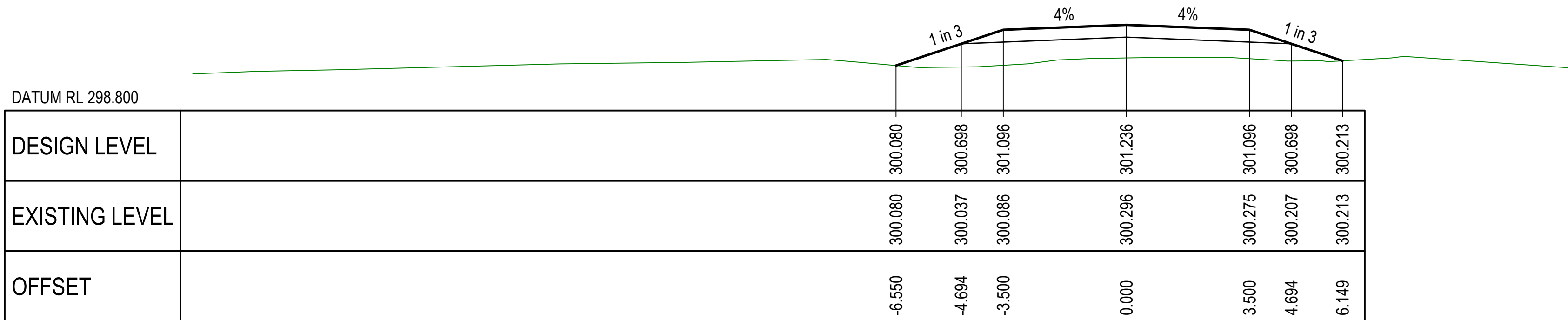




CH. 36040.000



CH. 36030.000



CH. 36020.000

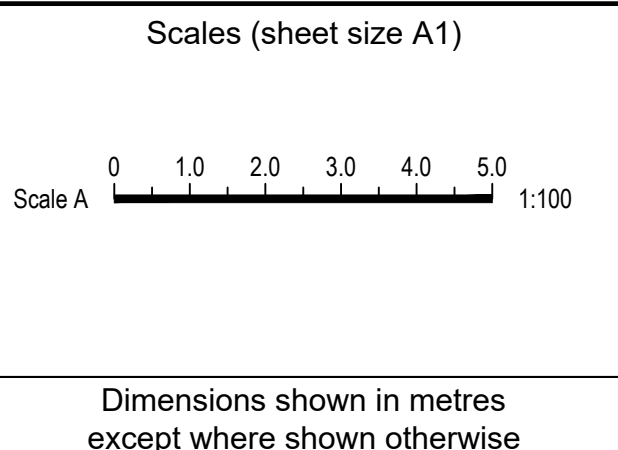
**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.


**CROSS SECTIONS**

Scale A

XREFS - X\_MC10\_XSECT\_14.dwg : X\_CRC\_BSC\_TITLE.dwg  
Last Modified :- Nov 24, 2023 - 6:24pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date






**crc**  
quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

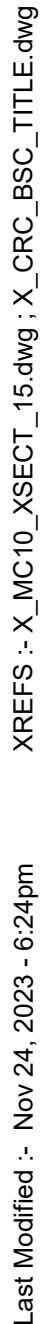


**Banana  
SHIRE**  
SHIRE OF OPPORTUNITY

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 14		Job No.	CRC00331
		Drawing No.	813
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	22 of





**WARNING!**

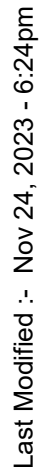
**BEWARE OF UNDERGROUND SERVICES**

The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

Scale A




					<p>Scales (sheet size A1)</p> <p>Scale A  1:100</p>		 <p>245 Mary Street, GYMPIE, QLD, 4570 ABN 73 617 924 437 Ph: 0477 322 555</p>		<p>Client</p>  <p><small>COPYRIGHT The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.</small></p>		<p>Title</p> <p>CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 15</p>		<p>Job No.</p> <p>CRC00331</p>
											<p>Drawing No.</p> <p>814</p>		
1 Issued For Tender							<p>ENGINEERING CERTIFICATION (RPEQ)</p>		<p>Revision</p> <p>1</p>				
20.01 Revisions/Descriptions					<p>Drawn</p> <p>B Doherty</p>	<p>Approved</p> <p>B Doherty</p>	<p>Date</p> <p>24 November 2023</p>	<p>ISSUED FOR TENDER</p>		<p>Series No.</p> <p>23 of</p>			





**WARNING!**  
**BWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

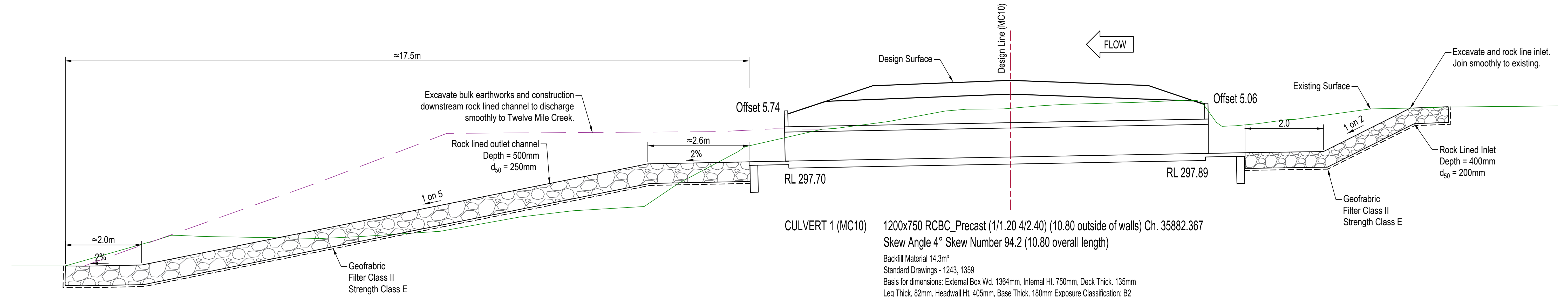
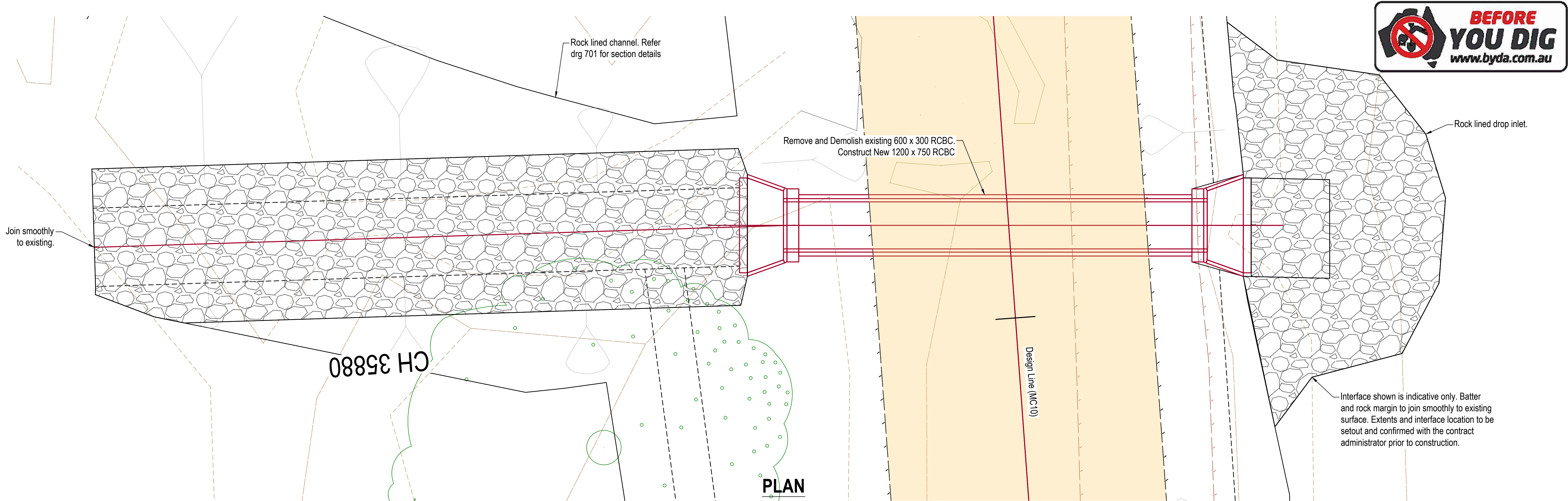
## Scale A

				<p>Scales (sheet size A1)</p> <p>Scale A  1:100</p>		 <p>245 Mary Street, GYMPIE, QLD, 4570 ABN 73 617 924 437 Ph: 0477 322 555</p>		<p>Client</p>  <p><small>COPYRIGHT The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.</small></p>		<p>Title</p> <p>CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION ANNOTATED CROSS SECTIONS SHEET 16</p>		<p>Job No.</p> <p>CRC00331</p>
										<p>Drawing No.</p> <p>815</p>		
<p>1 Issued For Tender</p>								<p>Drawn</p> <p>B Doherty</p>	<p>ENGINEERING CERTIFICATION (RPEQ)</p>	<p>Revision</p> <p>1</p>		
<p>20.01 Revisions/Descriptions</p>		<p>Drawn</p>	<p>Approved</p>	<p>Date</p>			<p>Designed</p> <p>B Doherty</p>	<p><b>ISSUED FOR TENDER</b></p> <p>24 November 2023</p>	<p>Series No.</p> <p>24 of</p>			



XREFS - X\_CRC\_BSC\_TITLE.dwg : X\_SURVEY.dwg : X\_CONTOURS.dwg : X\_CONTROL.dwg : X\_DESIGN.dwg : X\_GUIDEPOSTS.dwg : X\_HATCH.dwg : X\_IMAGE.dwg : X\_CULVERT\_PLAN.dwg

Last Modified :- Nov 24, 2023 - 6:24pm



CULVERT 1 (MC10) 1200x750 RCBC\_Precast (1/1.20 4/2.40) (10.80 outside of walls) Ch. 35882.367  
Skew Angle 4° Skew Number 94.2 (10.80 overall length)  
Backfill Material 14.3m³  
Standard Drawings - 1243, 1359  
Basis for dimensions: External Box Wd. 1364mm, Internal Ht. 750mm, Deck Thick. 135mm  
Leg Thick. 82mm, Headwall Ht. 405mm, Base Thick. 180mm Exposure Classification: B2

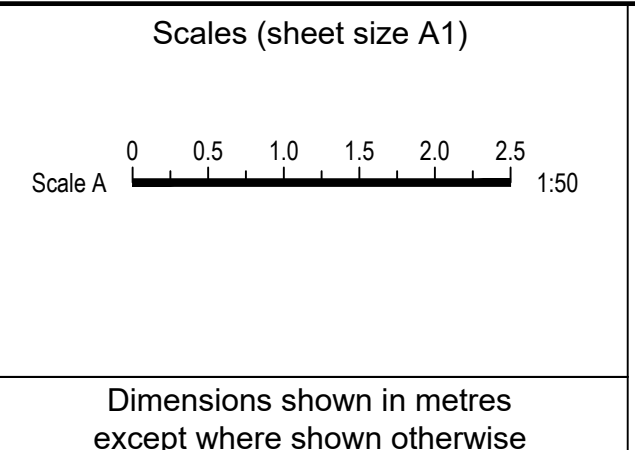
### DRAINAGE SCHEDULE

**WARNING!**  
**BEWARE OF UNDERGROUND SERVICES**  
The location of underground services has been compiled from engineering survey and interpolated from Dial Before You Dig as provided by the Service Authorities. No responsibility is taken for the accuracy of the interpolated information supplied. Ensure all services are accurately located prior to commencement of work.

Culvert						Base Slab / Footing				Headwall		Apron				Cutoff Wall			Wingwall 1				Wingwall 2				Blinding	Excavation (m³)			Backfill			Filters												
Alignment	Chainage	Skew	ID	Structure	Exp	Concrete	Rebar	Fabric		Concrete	Rebar	Concrete	Rebar	Fabric		Concrete	Fabric	Length	Concrete	Rebar	Fabric	Length	Concrete	Rebar	Fabric	Concrete	Culvert	Inlet /	Overlay	Fill	Foundation	Block	Strip													
	(m)	No.			Class	(m³)	(kg)	(m²)	Type	(m³)	(kg)	(m³)	(kg)	(m²)	Type	(m³)	(m²)	Type	(m)	(m³)	(kg)	(m²)	Type	(m)	(m³)	(kg)	(m²)	Type	(m³)		Outlet	(m²)	(m³)	(m³)	Count	Count										
MC10	35882.367	94.2	1	"1200x750 RCBC_Precast (1/1.20 4/2.40)"	B2	2.8	84.0	14.3	RL1218	Precast																		0.8	35.4			14.3														
				Total Fabric (Area / Type)		14.3 / RL1218																																								

- NOTES:
- Culvert design immunity - 2% AEP

Revisions/Descriptions	Drawn	Approved	Date
1 Issued For Tender			

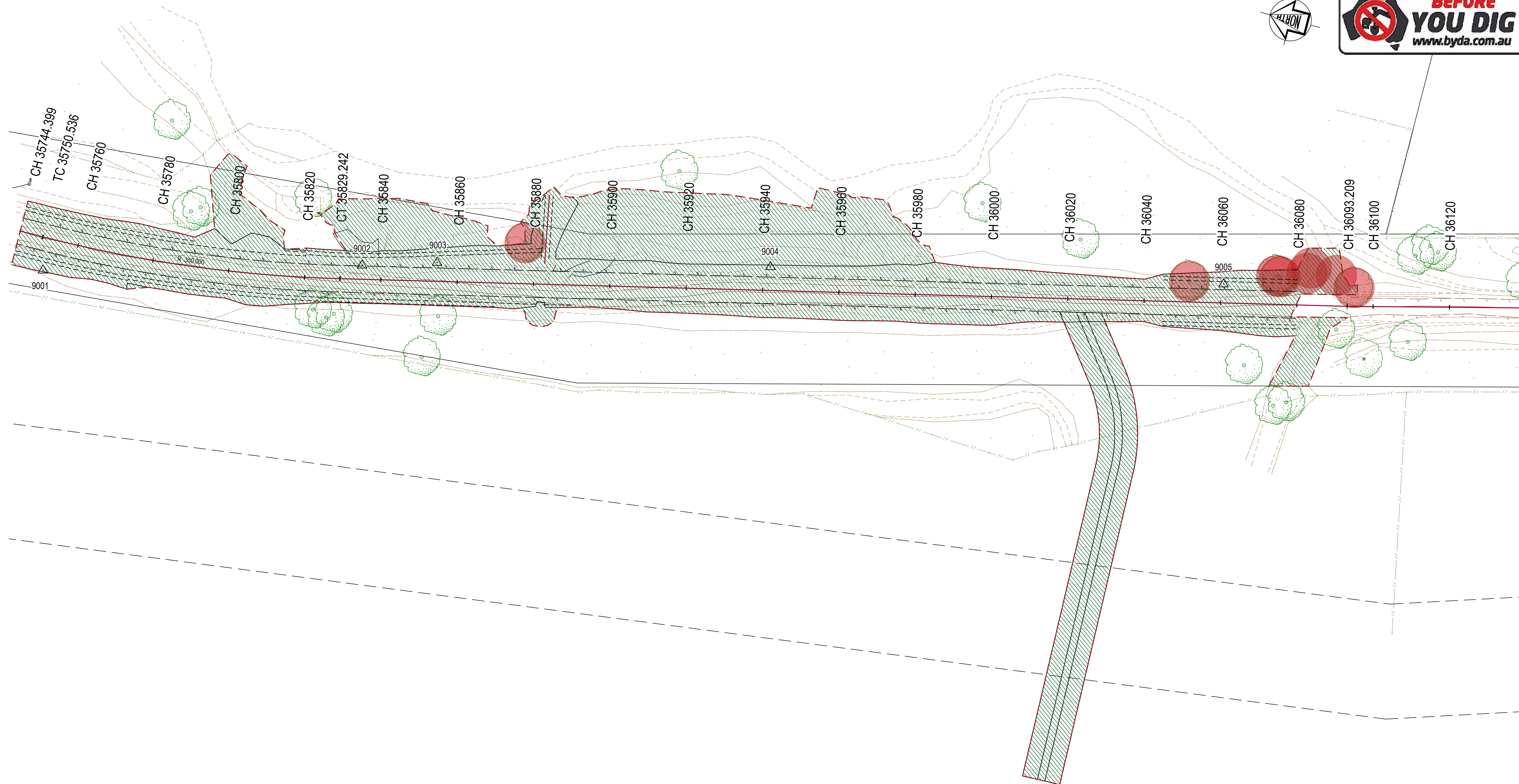
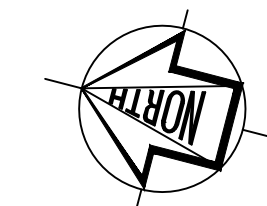


**crc**  
quality people client focused solution driven  
245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client  
**Banana SHIRE**  
SHIRE OF OPPORTUNITY  
COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.


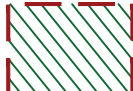
Title		Job No.	
CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION CULVERT DETAILS		CRC00331	
Drawn B Doherty		Drawing No. 1200	
Designed B Doherty		Revision 1	
ENGINEERING CERTIFICATION (RPEQ)		Series No. 26 of	
ENC <b>ISSUED FOR TENDER</b> 24 November 2023			





**PLAN**  
Scale 1:500

**LEGEND**

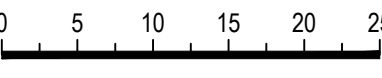
-  - Tree to be removed
-  - Limit of clearing (≈ 8977m<sup>2</sup>)

XREFS - X\_CRC\_BSC\_TITLE.dwg : X\_SURVEY\_CONTROL.dwg : X\_DESIGN.dwg : X\_SURVEY.dwg : X\_HATCH.dwg

Last Modified :- Nov 24, 2023 - 6:24pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)

Scale A  1:500

Dimensions shown in metres  
except where shown otherwise

  
quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

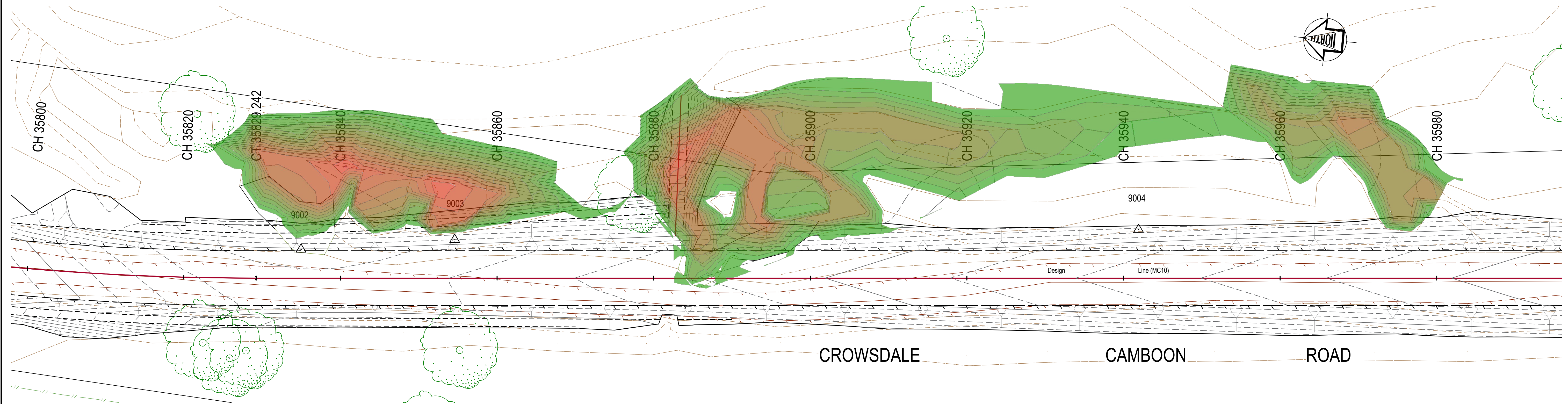
Client

  
SHIRE OF OPPORTUNITY

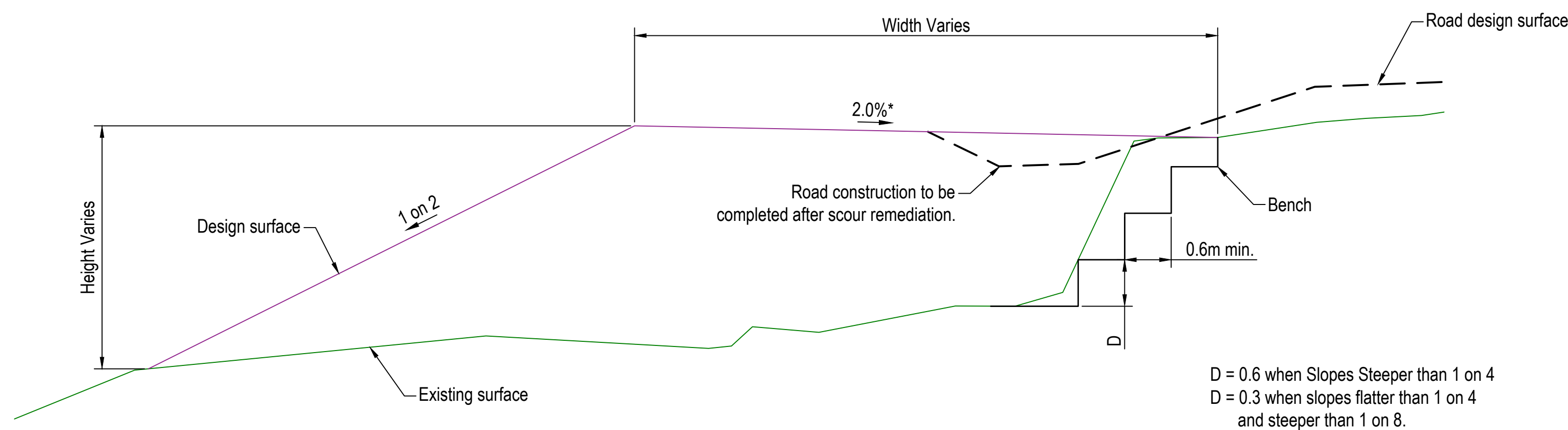
COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION LIMIT OF CLEARING PLAN		Job No.	CRC00331
		Drawing No.	1600
Drawn B Doherty	ENGINEERING CERTIFICATION (RPEQ) <b>ISSUED FOR TENDER</b> 24 November 2023	Revision	1
Designed B Doherty		Series No.	27 of





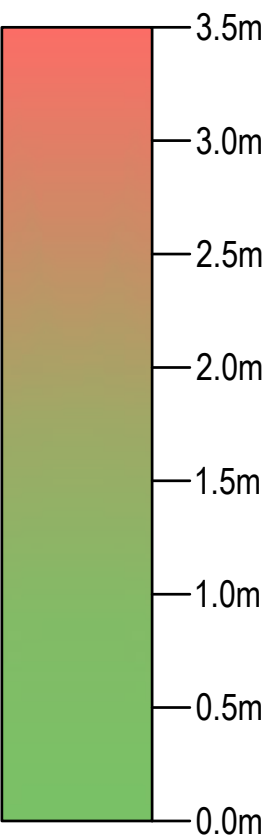
PLAN  
Scale 1:250



TYPICAL BULK EARTHWORKS /  
SCOUR REMEDIATION SECTION

Not To Scale

FILL LEGEND



XREFS - X\_CRC\_BSC\_TITLE.dwg - X\_SURVEY\_CONTROL.dwg - X\_SURVEY.dwg - X\_DESIGN.dwg - X\_CONTROL.dwg - X\_HATCH.dwg - X\_BULKW\_POLYS.dwg - X\_CONTOURS.dwg

Last Modified :- Nov 24, 2023 - 6:24pm

1	Issued For Tender			
20.01	Revisions/Descriptions	Drawn	Approved	Date

Scales (sheet size A1)	
Scale A	0 2 4 6 8 10 12 1:250
Dimensions shown in metres except where shown otherwise	

quality people client focused solution driven

245 Mary Street, GYMPIE, QLD, 4570  
ABN 73 617 924 437 Ph: 0477 322 555

Client

SHIRE OF OPPORTUNITY

COPYRIGHT  
The contents and information contained in this document are the copyright of CRC. This drawing may not be used, copied or reproduced in whole or part for any purpose other than the consent by which it is supplied by CRC.

Title		CROWSDALE CAMBOON ROAD TWELVE MILE CREEK FLOODWAY REMEDIATION BULK EARTHWORKS PLAN	
Drawn	B Doherty	ENGINEERING CERTIFICATION (RPEQ)	
Designed	B Doherty	<div>ISSUED FOR TENDER</div> <div>24 November 2023</div>	

Job No.	CRC00331
Drawing No.	1601
Revision	1
Series No.	28 of