



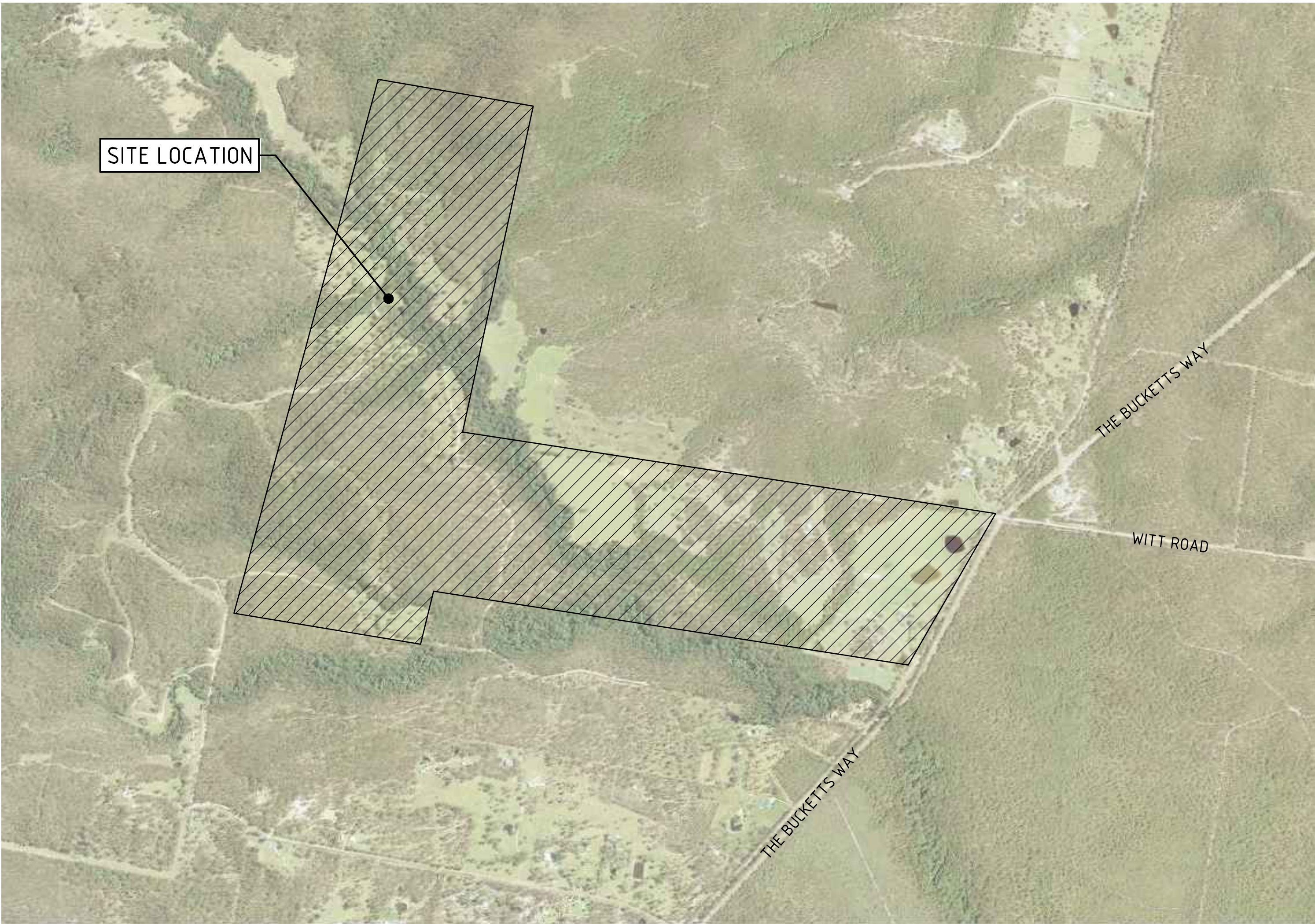
APPENDIX C: AMENDED DCQ ENGINEERING PLANS

**Deep Creek Quarry
Response to Submissions Report**

DEEP CREEK QUARRY

THE BUCKETTS WAY, LIMEBURNERS CREEK

CIVIL ENGINEERING PACKAGE



LOCALITY PLAN

IMAGE SOURCE : NEARMAPS

DRAWING LIST

DWG. NO	DRAWING TITLE
DA-C01.01	COVER SHEET, DRAWING LIST AND LOCALITY PLAN
DA-C02.01	GENERAL ARRANGEMENT PLAN
DA-C02.02	TYPICAL SECTIONS
DA-C03.01	BULK EARTHWORKS PLAN - SHEET 1
DA-C03.02	BULK EARTHWORKS PLAN - SHEET 2
DA-C04.01	CIVIL WORKS PLAN - INTERSECTION - SHEET 1
DA-C04.02	CIVIL WORKS PLAN - INTERSECTION - SHEET 2
DA-C04.11	CIVIL WORKS PLAN - LEAD-IN ROAD - SHEET 1
DA-C04.12	CIVIL WORKS PLAN - LEAD-IN ROAD - SHEET 2
DA-C04.13	CIVIL WORKS PLAN - LEAD-IN ROAD - SHEET 3
DA-C04.14	CIVIL WORKS PLAN - LEAD-IN ROAD - SHEET 4
DA-C04.15	DEEP CREEK ROAD AND LINK ROAD INTERSECTION
DA-C04.21	CIVIL WORKS PLAN - OFFICE - SHEET 1
DA-C04.22	CIVIL WORKS PLAN - OFFICE - SHEET 2
DA-C04.23	CIVIL WORKS PLAN - OFFICE - SHEET 3
DA-C04.31	CIVIL WORKS PLAN - STOCKPILE AREA - SHEET 1
DA-C04.32	CIVIL WORKS PLAN - STOCKPILE AREA - SHEET 2
DA-C04.41	CIVIL WORKS PLAN - CULVERT CROSSING - SHEET 1
DA-C04.42	CIVIL WORKS PLAN - CULVERT CROSSING - SHEET 2
DA-C04.43	CIVIL WORKS PLAN - CULVERT CROSSING - SHEET 3
DA-C09.01	CIVIL DETAILS

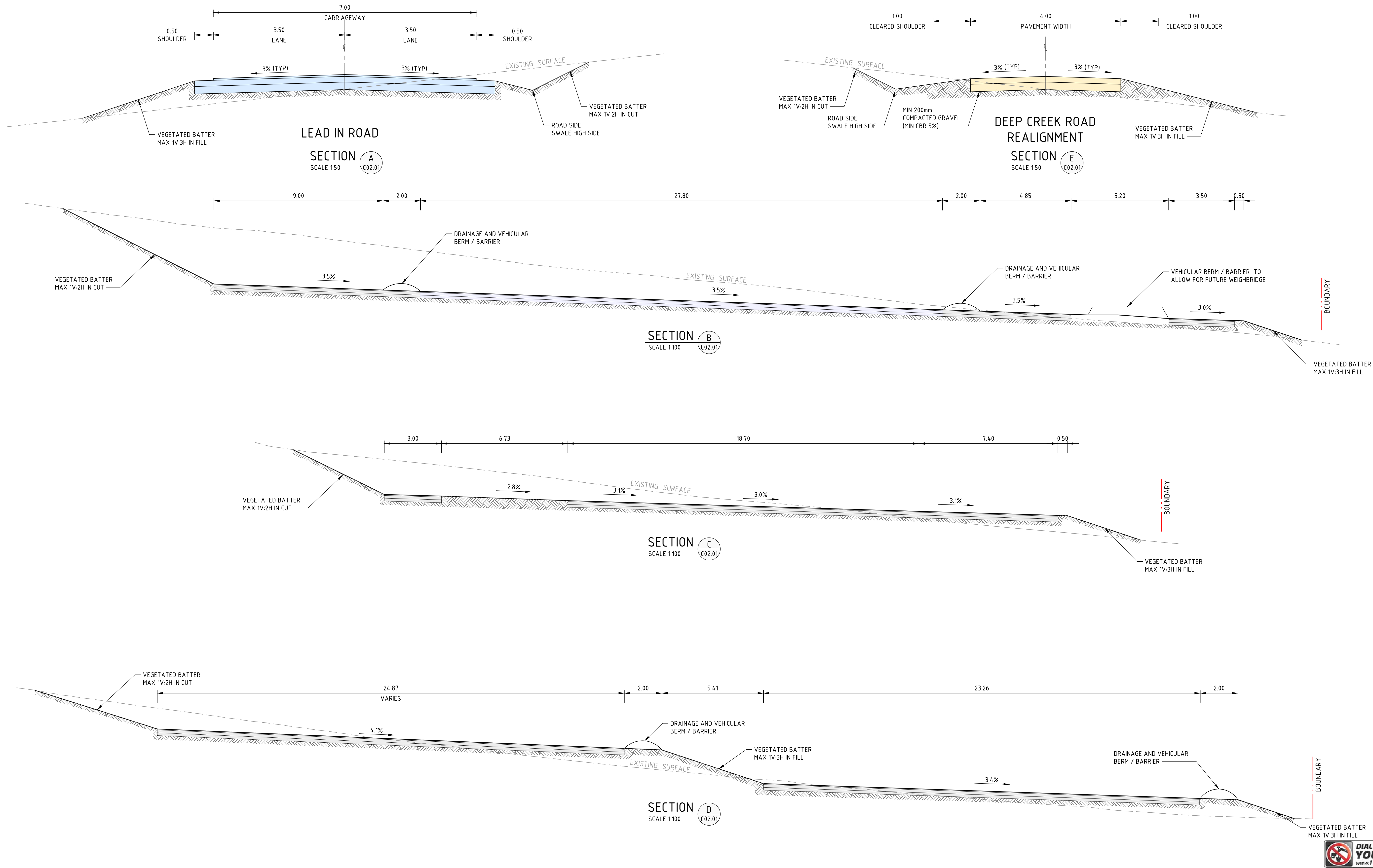
NOT FOR CONSTRUCTION

VERIFIER:
JOB MANAGER:
DESIGNED:
DRAWN:

REVISION		DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	PROJECT MANAGER			PROJECT	DRAWING TITLE	JOB NUMBER
1	FOR APPROVAL	BD	CP	PB		24.06.21	IRONSTONE DEVELOPMENTS			ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.		DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK	NL200342
2	FOR APPROVAL	BD	CP	PB		20.07.21						DRAWING NUMBER	REVISION
3	FOR APPROVAL	JK		CP		06.05.22						DA-C01.01	5
4	FOR APPROVAL	BD		CP		29.08.22						DRAWING SHEET SIZE = A1	
5	FOR APPROVAL	RK		CP		30.11.22							
							DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD		COVER SHEET, DRAWING LIST AND LOCALITY PLAN			

NORTHROP
Newcastle
Level 1, 215 Pacific Hwy, Charlestown NSW 2290
Ph (02) 4943 1777 Email newcastle@northrop.com.au
ABN 81 094 433 100

VERIFIER:
JOB MANAGER: C.PIPER
DESIGNED: P.BURL
DRAWN: P.BURL



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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	FOR APPROVAL	BD	CP	PB	24.06.21
2	FOR APPROVAL	BD	CP	PB	20.07.21
3	FOR APPROVAL	JK		CP	06.05.22
4	FOR APPROVAL	BD		CP	29.08.22
5	FOR APPROVAL	BD		CP	31.09.22

CLIENT
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SCALE 1:50 @ A1 SCALE 1:100 @ A1



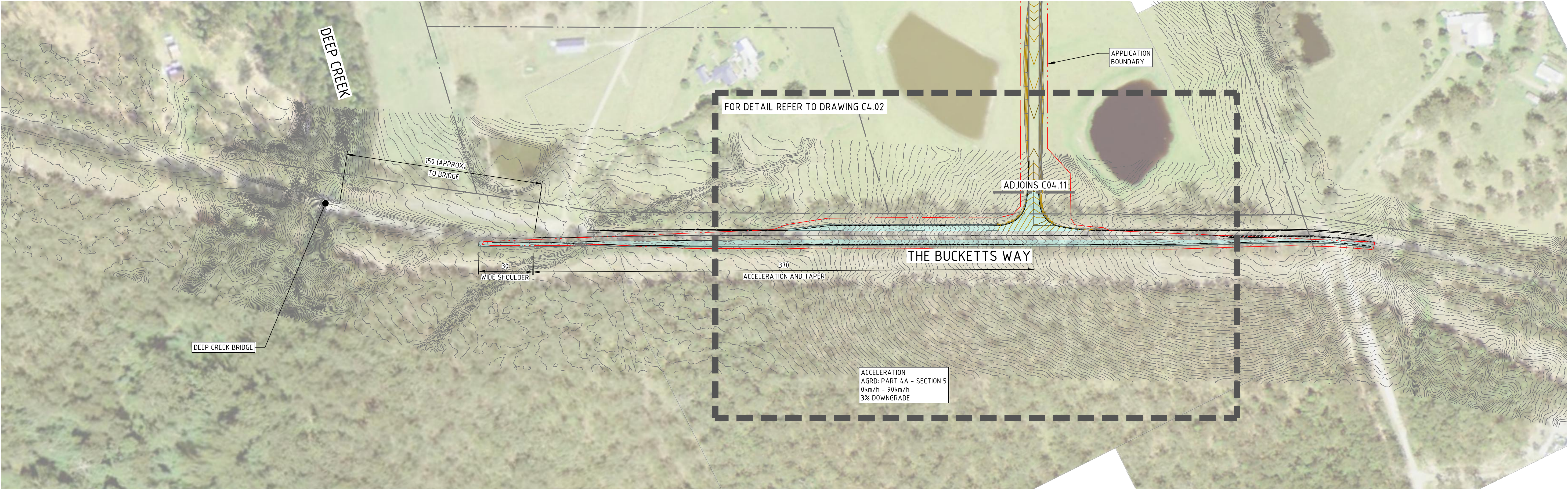
NORTHROP
Newcastle
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Ph (02) 4943 1777 Email newcastle@northrop.com.au
ABN 81 094 433 100

PROJECT
DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
TYPICAL SECTIONS

JOB NUMBER	
NL200342	
DRAWING NUMBER	REVISION
DA-C02.02	5
DRAWING SHEET SIZE = A1	

VERIFIER: CHIPER
JOB MANAGER: P.BURL
DESIGNED: P.BURL
DRAWN: P.BURL



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REVISION DESCRIPTION		ISSUED	VER'D	APP'D	DATE	CLIENT	PROJECT MANAGER		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.		PROJECT	DRAWING TITLE	JOB NUMBER	
1	PRELIMINARY	PB		CP	30.11.20	IRONSTONE DEVELOPMENTS			ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.		DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK	CIVIL ENGINEERING PACKAGE	NL200342	
2	FOR APPROVAL	BD	CP	PB	24.06.21							DRAWING NUMBER	REVISION	
3	FOR APPROVAL	BD	CP	PB	20.07.21							CIVIL WORKS PLAN - INTERSECTION - SHEET 1	DA-C04.01	5
4	FOR APPROVAL	JK	CP		06.05.22									
5	FOR APPROVAL	BD	CP		29.08.22									
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED						THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD						DRAWING SHEET SIZE ± A1		

VERIFIER: JOB MANAGER: CHIPER DESIGNED: P.BURL DRAWN: P.BURL

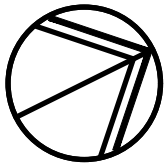


NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	PRELIMINARY	PB		CP	30.11.20
2	FOR APPROVAL	BD	CP	PB	24.06.21
3	FOR APPROVAL	BD	CP	PB	20.07.21
4	FOR APPROVAL	JK		CP	06.05.22
5	FOR APPROVAL	BD		CP	29.08.22

CLIENT
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PROJECT MANAGER
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SCALE 1:500@A1	

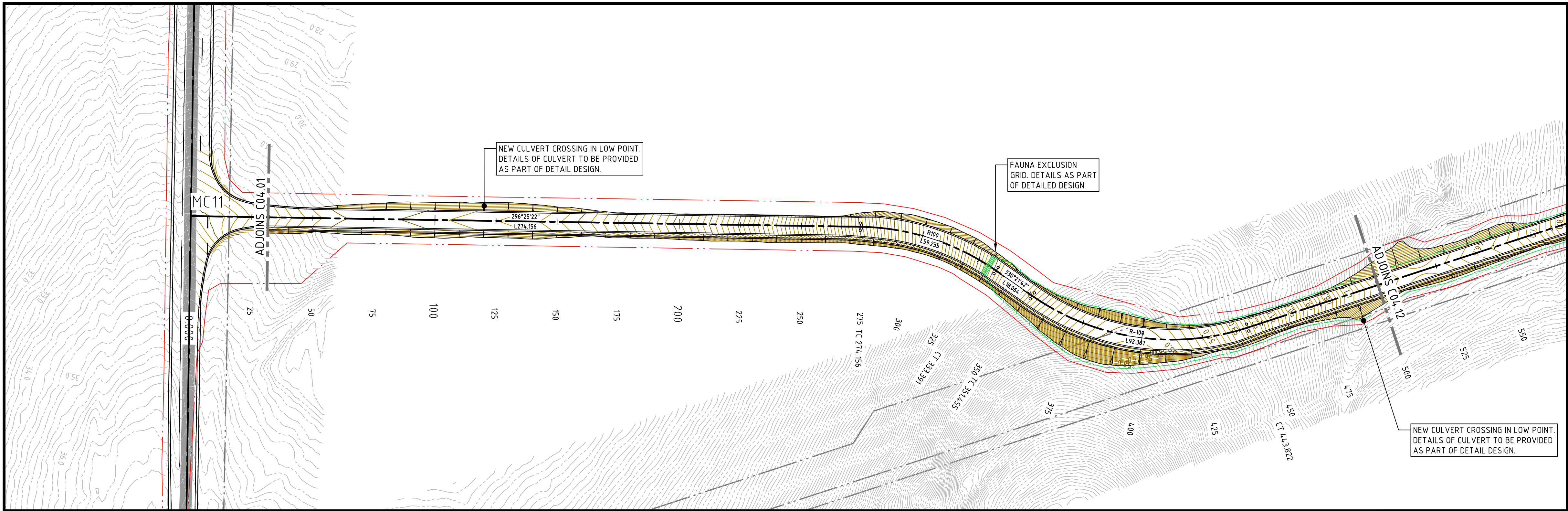
 NORTHROP Newcastle
Level 1, 215 Pacific Hwy, Charlestown NSW 2290 Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100

PROJECT
DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
CIVIL WORKS PLAN - INTERSECTION - SHEET 2

JOB NUMBER
NL200342
DRAWING NUMBER
DA-C04.02
REVISION
5
DRAWING SHEET SIZE = A1

VERIFIER: JOB MANAGER: CIPER DESIGNED: P.BURL DRAWN: P.BURL



PLAN VIEW
SCALE @ 1:1000

LEGEND

PROPOSED APPLICATION BOUNDARY

EXISTING BOUNDARY LINE

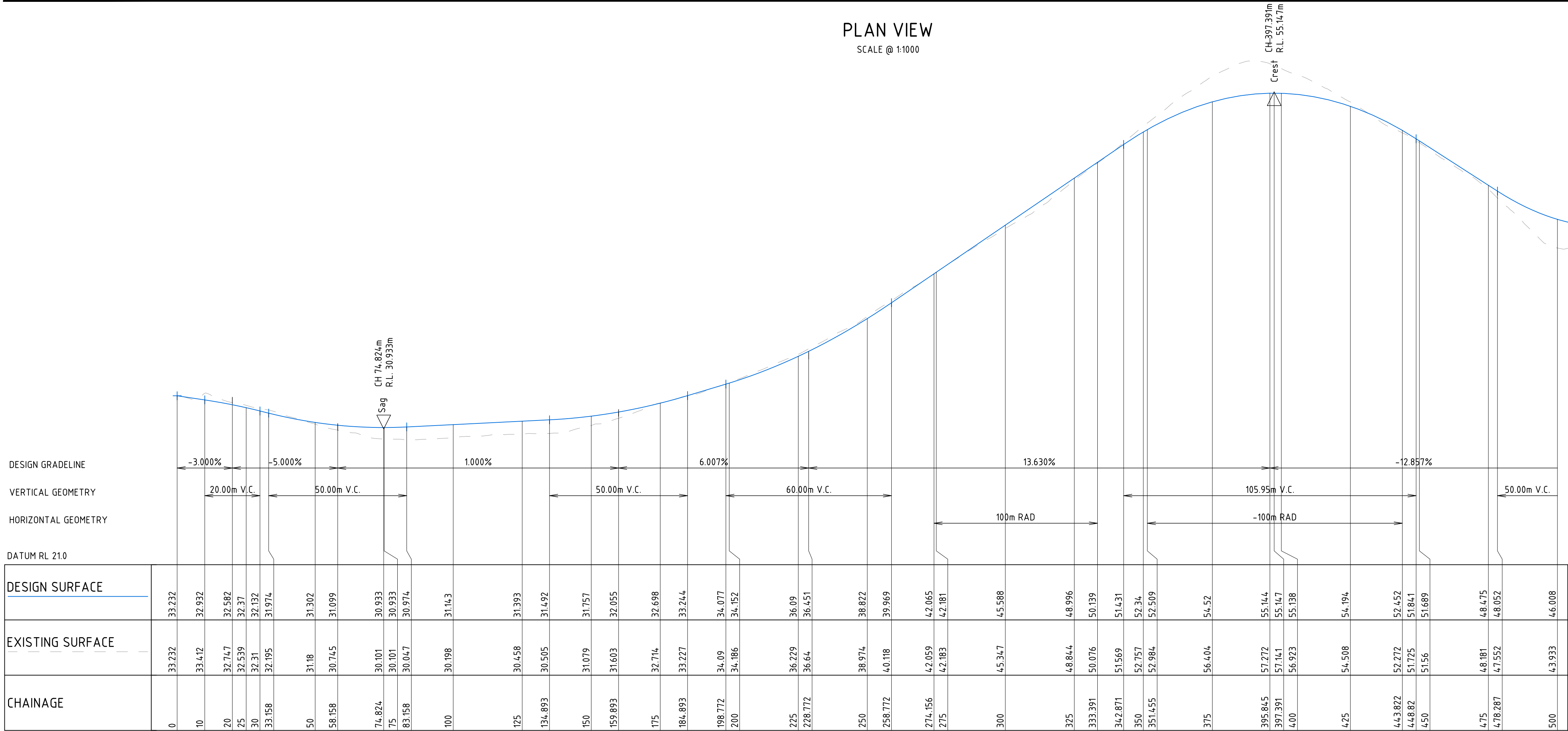
DESIGN CONTOURS

EXISTING CONTOURS

MC11

PROPOSED ROAD CONTROL LINE

INDICATIVE LOCATION OF FAUNA EXCLUSION FENCE



LONGITUDINAL SECTION ALONG MC11
HORIZONTAL SCALE 1:1000@A1
VERTICAL SCALE 1:200@A1

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	PRELIMINARY	P.B.		C.P.	30.11.20
2	FOR APPROVAL	BD	CP	PB	24.06.21
3	FOR APPROVAL	BD	CP	PB	20.07.21
4	FOR APPROVAL	JK		CP	06.05.22
5	FOR APPROVAL	BD		CP	29.08.22
6	FOR APPROVAL	RK		CP	30.11.22

CLIENT

IRONSTONE DEVELOPMENTS

DRAWING NOT TO BE USED FOR CONSTRUCTION
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PROJECT MANAGER

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SCALE 1:200@A1
SCALE 1:1000@A1

0 2 4 6 8 10m

0 10 20 30 40 50m

Newcastle

Level 1, 215 Pacific Hwy, Charlestown NSW 2290
Ph (02) 4943 1777 Email newcastle@northrop.com.au
ABN 81 094 433 100

PROJECT

DEEP CREEK QUARRY
THE BUCKETTS WAY,
LIMEBURNERS CREEK

DRAWING TITLE

CIVIL ENGINEERING PACKAGE

CIVIL WORKS PLAN - LEAD-IN ROAD -
SHEET 1

JOB NUMBER

NL200342

DRAWING NUMBER

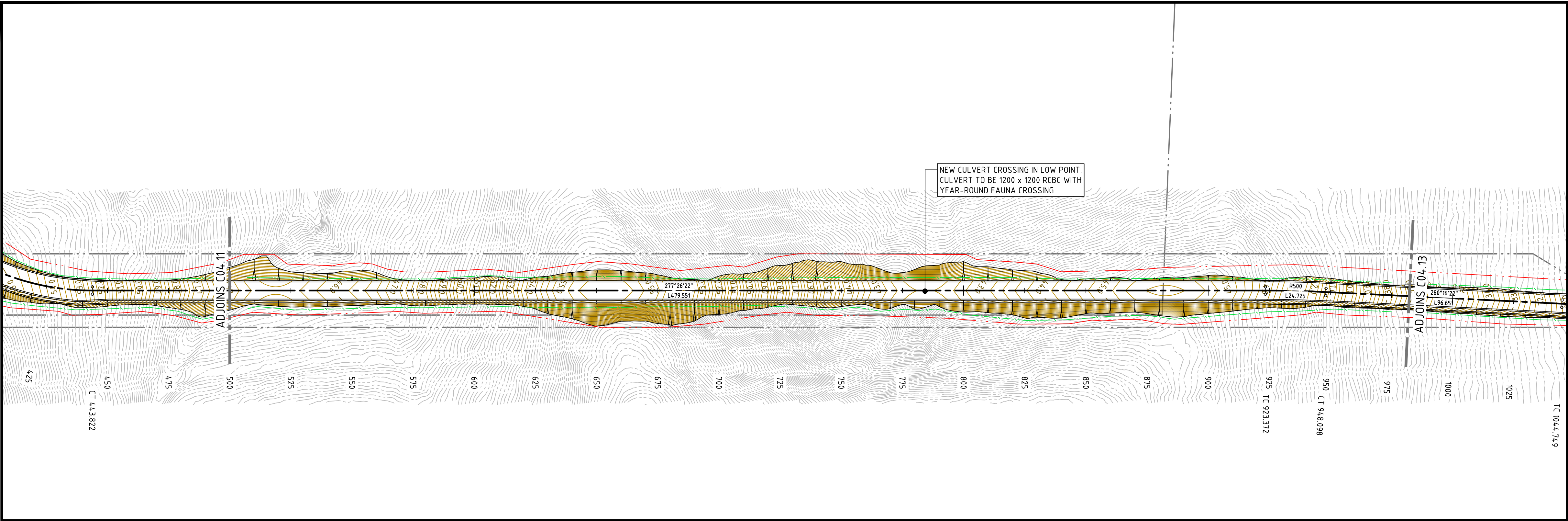
DA-C04.11

REVISION

6

DRAWING SHEET SIZE = A1

VERIFIER: JOB MANAGER: CIPER DESIGNED: P.BURL DRAWN: P.BURL



LEGEND

PROPOSED APPLICATION BOUNDARY

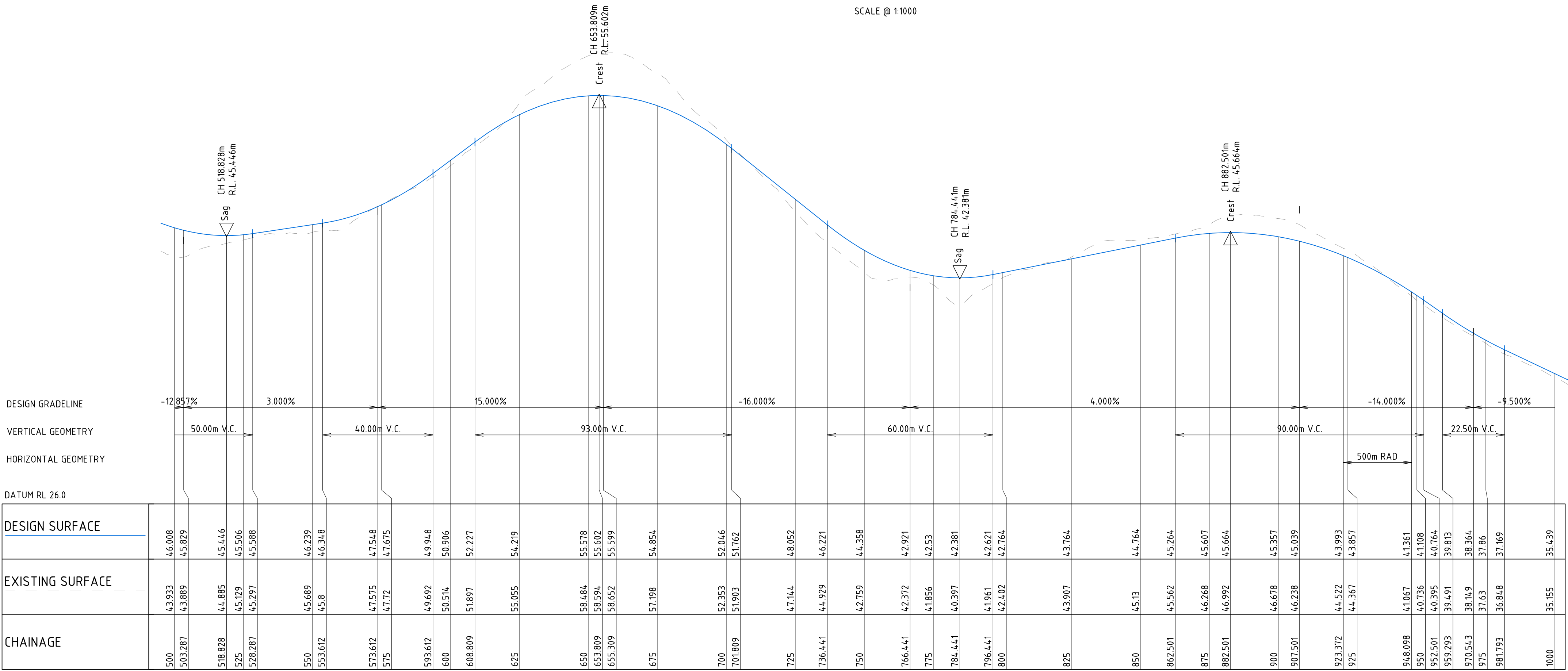
EXISTING BOUNDARY LINE

DESIGN CONTOURS

EXISTING CONTOURS

PROPOSED ROAD CONTROL LINE

PLAN VIEW
SCALE @ 1:1000

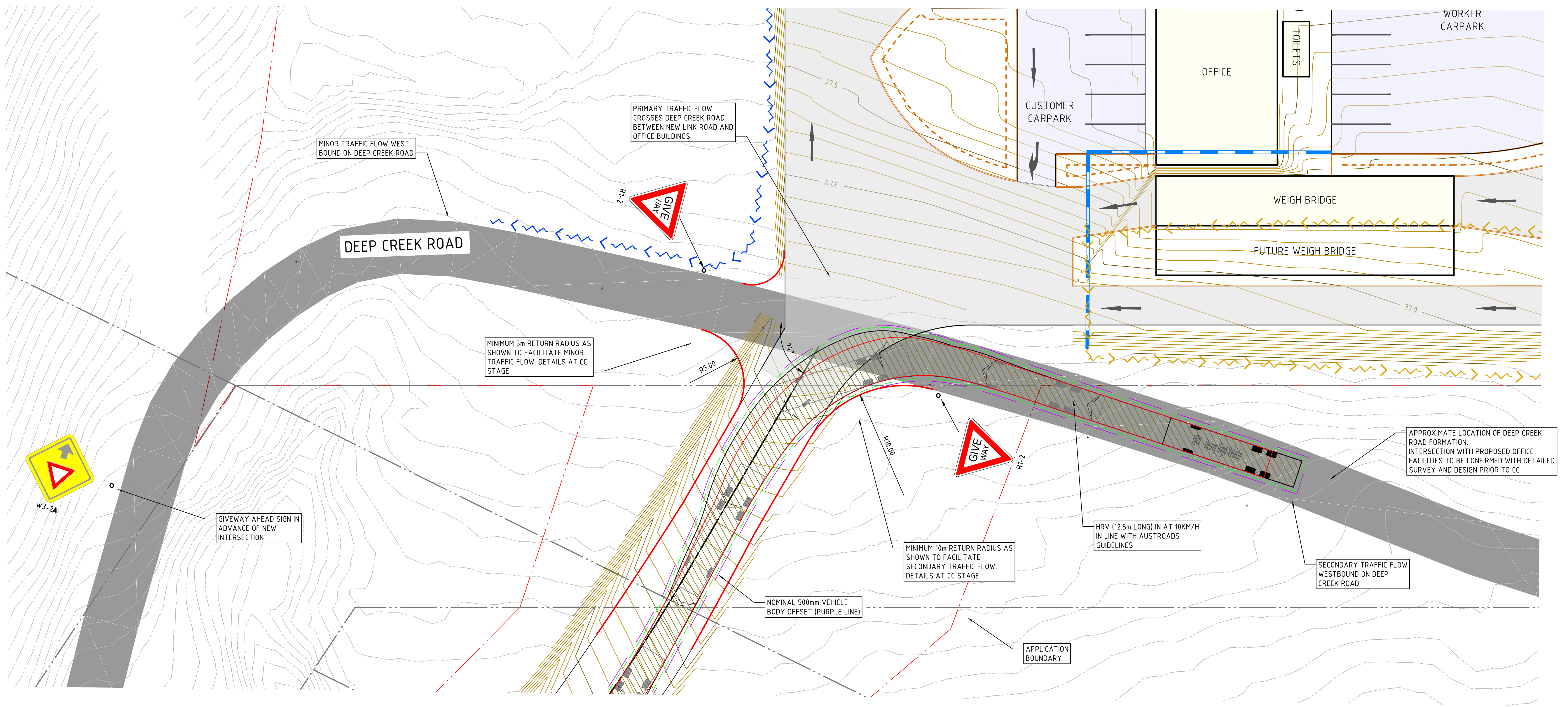


LONGITUDINAL SECTION ALONG MC11
HORIZONTAL SCALE 1:1000@A1
VERTICAL SCALE 1200@A1

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	PROJECT MANAGER	PROJECT	DRAWING TITLE	JOB NUMBER
1	PRELIMINARY	P.B.		C.P.	30.11.20	IRONSTONE DEVELOPMENTS		 Level 1, 215 Pacific Hwy, Charlestown NSW 2290 Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100	DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK	NL200342
2	FOR APPROVAL	BD	CP	PB	24.06.21					
3	FOR APPROVAL	BD	CP	PB	20.07.21					
4	FOR APPROVAL	JK		CP	06.05.22					
5	FOR APPROVAL	BD		CP	29.08.22					
6	FOR APPROVAL	RK		CP	30.11.22					
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED						THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD				
 Level 1, 215 Pacific Hwy, Charlestown NSW 2290 Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100 CIVIL ENGINEERING PACKAGE CIVIL WORKS PLAN - LEAD-IN ROAD - SHEET 2 DRAWING NUMBER DA-C04.12 REVISION 6 DRAWING SHEET SIZE = A1										

VERIFIER: JOB MANAGER: CIPER DESIGNED: P.BURL DRAWN: P.BURL

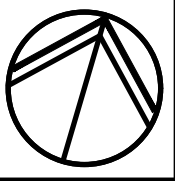


NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	FOR APPROVAL	JK		CP	06.05.22
2	FOR APPROVAL	BD		CP	29.08.22

CLIENT
IRONSTONE DEVELOPMENTS
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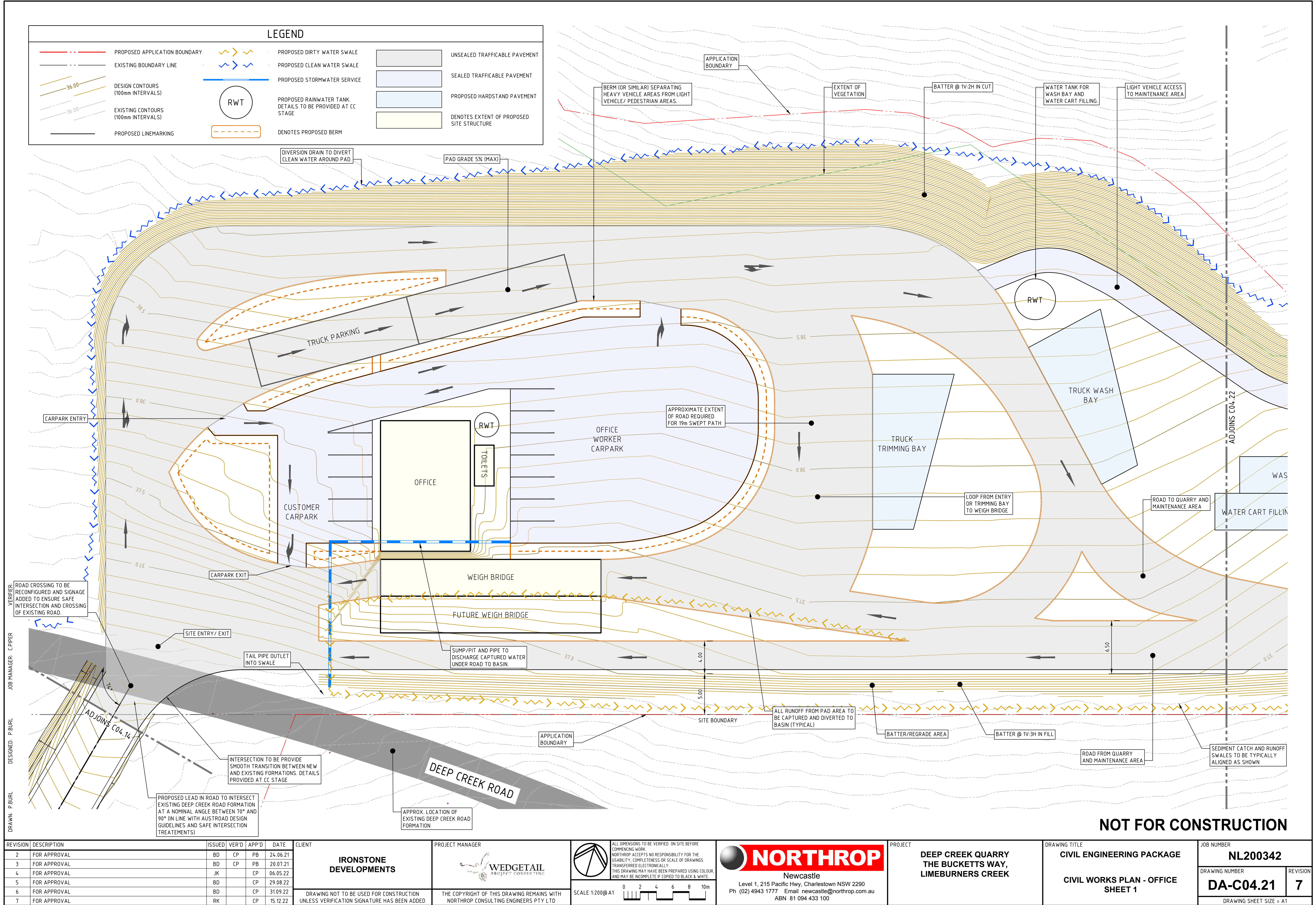
	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.
SCALE 1:200@A1	

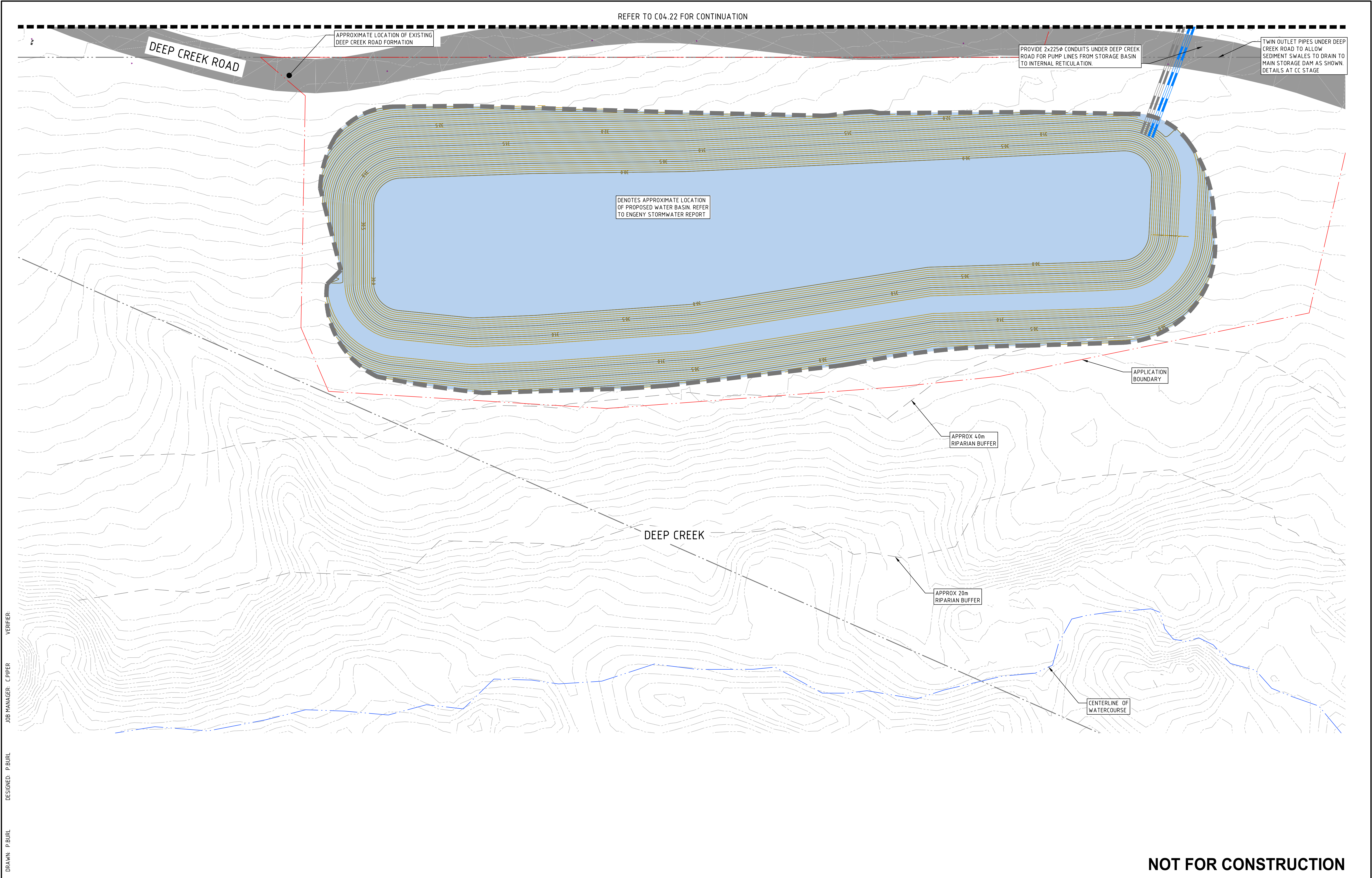
 NORTHROP Newcastle
Level 1, 215 Pacific Hwy, Charlestown NSW 2290 Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100

PROJECT
DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK

DRAWING TITLE
CIVIL ENGINEERING PACKAGE
DEEP CREEK ROAD/LINK ROAD INTERSECTION

JOB NUMBER
NL200342
DRAWING NUMBER
DA-C04.15
REVISION
2
DRAWING SHEET SIZE = A1



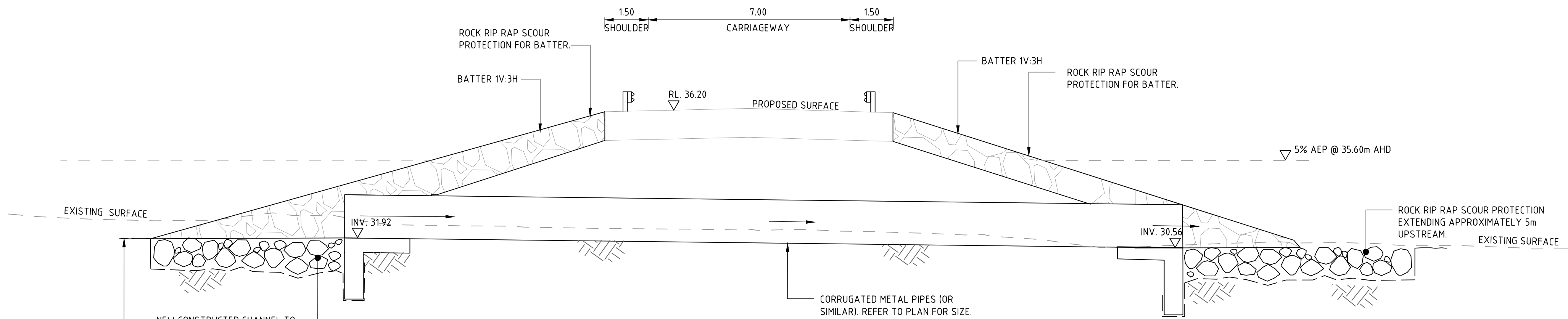
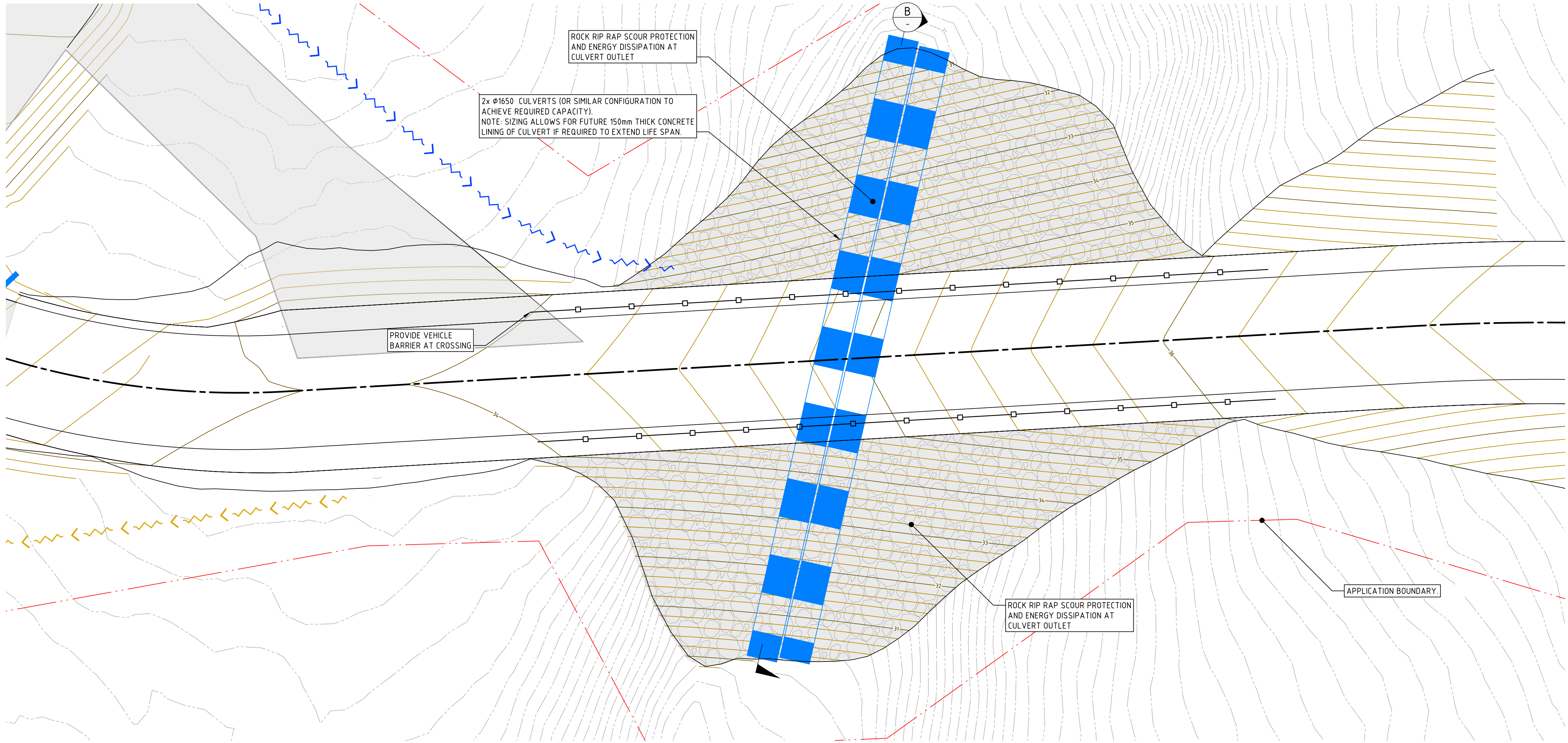


VERIFIER: CIPER
JOB MANAGER: P.BURL
DESIGNED: P.BURL
DRAWN: P.BURL

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	PROJECT MANAGER		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.	PROJECT	DRAWING TITLE	JOB NUMBER
1	FOR APPROVAL	BD		CP	29.08.22	IRONSTONE DEVELOPMENTS			Newcastle Level 1, 215 Pacific Hwy, Charlestown NSW 2290 Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100	DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK	CIVIL ENGINEERING PACKAGE	NL200342
2	FOR APPROVAL	BD		CP	31.09.22						DRAWING NUMBER	REVISION
											DA-C04.23	2
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD			CIVIL WORKS PLAN - OFFICE SHEET 3	DRAWING SHEET SIZE = A1	

VERIFIER: JOB MANAGER: CIPER DESIGNED: P.BURL DRAWN: P.BURL



CHAINAGE 612 CULVERT

SECTION B
SCALE 1:100

LEGEND	
	EXISTING CONTOURS
	DESIGN CONTOURS
	STORMWATER PIPE \ CULVERT
	RIP RAP ENERGY DISSIPATER
	STORMWATER SWALE
	BARRIER

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	FOR APPROVAL	BD	CP	PB	24.06.21
2	FOR APPROVAL	BD	CP	PB	20.07.21
3	FOR APPROVAL	JK		CP	06.05.22
4	FOR APPROVAL	BD		CP	29.08.22

CLIENT
IRONSTONE DEVELOPMENTS
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SCALE 1:100 @ A1 SCALE 1:150 @ A1
0 1 2 3 4 5m 0 1.5 3 4.5 6 7.5m

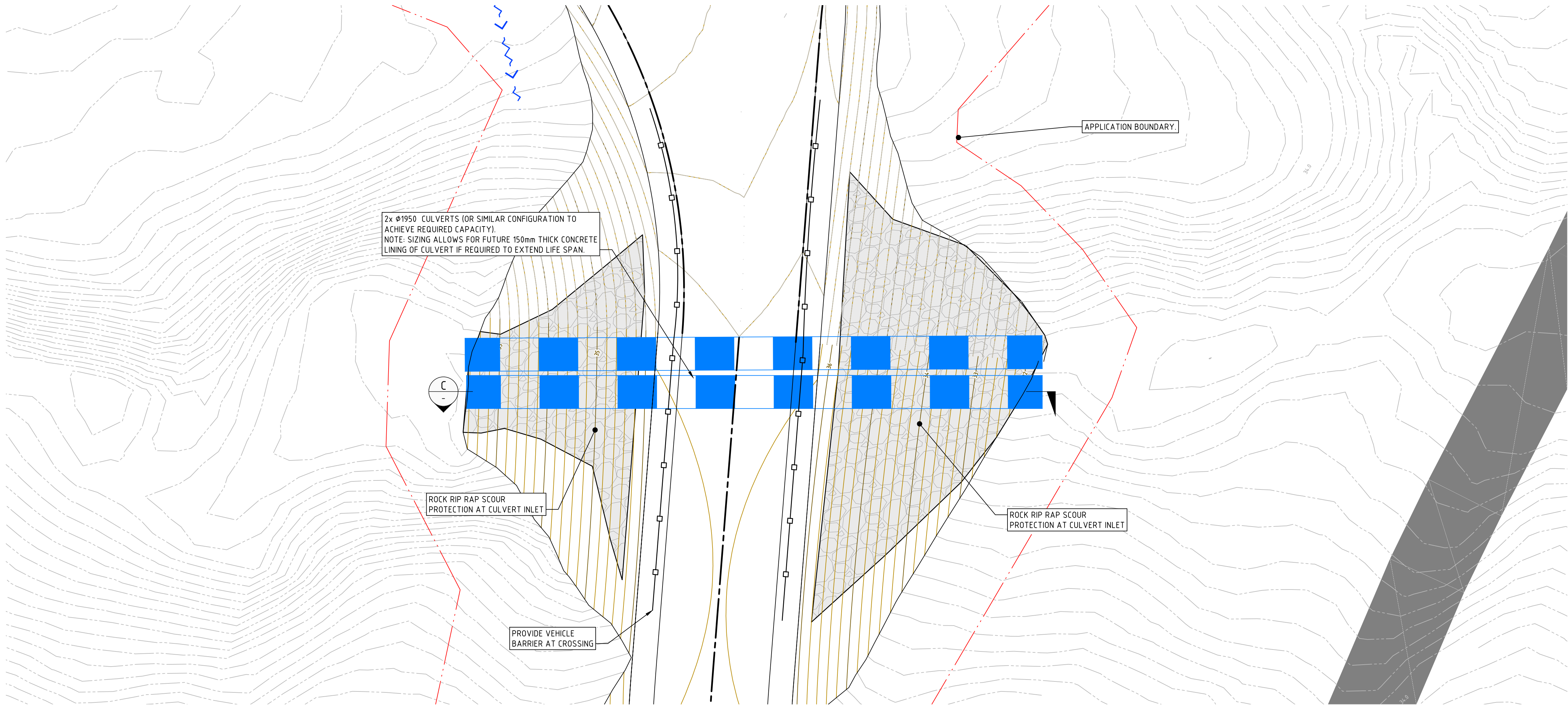
NORTHROP
Newcastle
Level 1, 215 Pacific Hwy, Charlestown NSW 2290 Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100

PROJECT
DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK

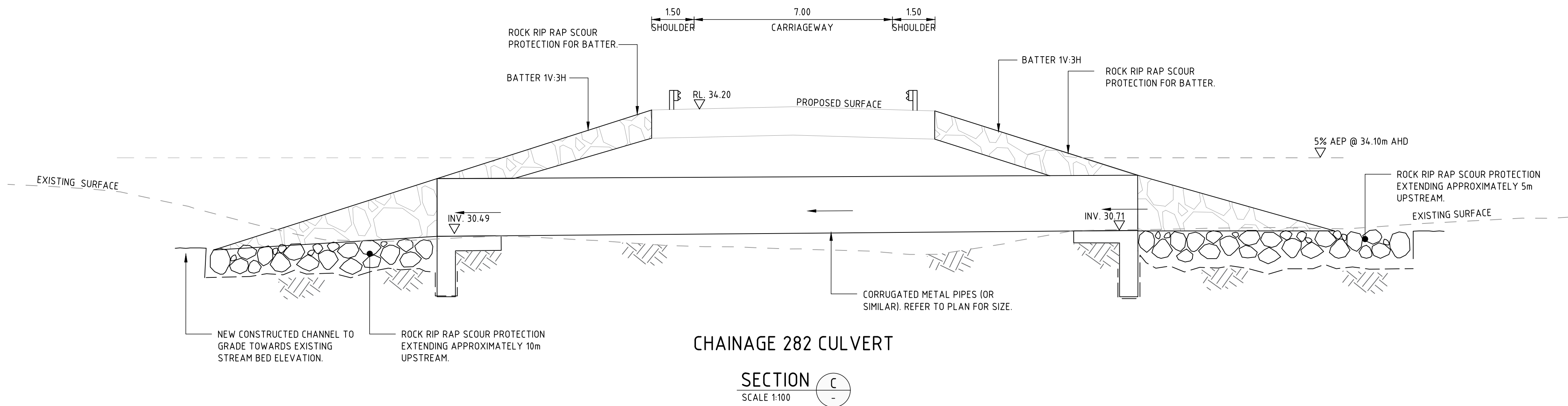
DRAWING TITLE
CIVIL ENGINEERING PACKAGE
CIVIL WORKS PLAN - CULVERT CROSSING - SHEET 2

JOB NUMBER
NL200342
DRAWING NUMBER
DA-C04.42
REVISION
4
DRAWING SHEET SIZE = A1

VERIFIER: JOB MANAGER: CIPER DESIGNED: P.BURL DRAWN: P.BURL



LEGEND	
	EXISTING CONTOURS
	DESIGN CONTOURS
	STORMWATER PIPE \ CULVERT
	RIP RAP ENERGY DISSIPATER
	STORMWATER SWALE
	BARRIER



NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	FOR APPROVAL	BD	CP	PB	24.06.21
2	FOR APPROVAL	BD	CP	PB	20.07.21
3	FOR APPROVAL	JK		CP	06.05.22
4	FOR APPROVAL	BD		CP	29.08.22

CLIENT
IRONSTONE DEVELOPMENTS

PROJECT MANAGER
WEDGETAIL PROJECT CONSULTING

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SCALE 1:100 @ A1 SCALE 1:150 @ A1

Level 1, 215 Pacific Hwy, Charlestown NSW 2290 Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100

PROJECT
DEEP CREEK QUARRY THE BUCKETTS WAY, LIMEBURNERS CREEK

DRAWING TITLE
CIVIL ENGINEERING PACKAGE CIVIL WORKS PLAN - CULVERT CROSSING - SHEET 3

JOB NUMBER
NL200342
DRAWING NUMBER
DA-C04.43
REVISION
4
DRAWING SHEET SIZE = A1

NOT FOR CONSTRUCTION