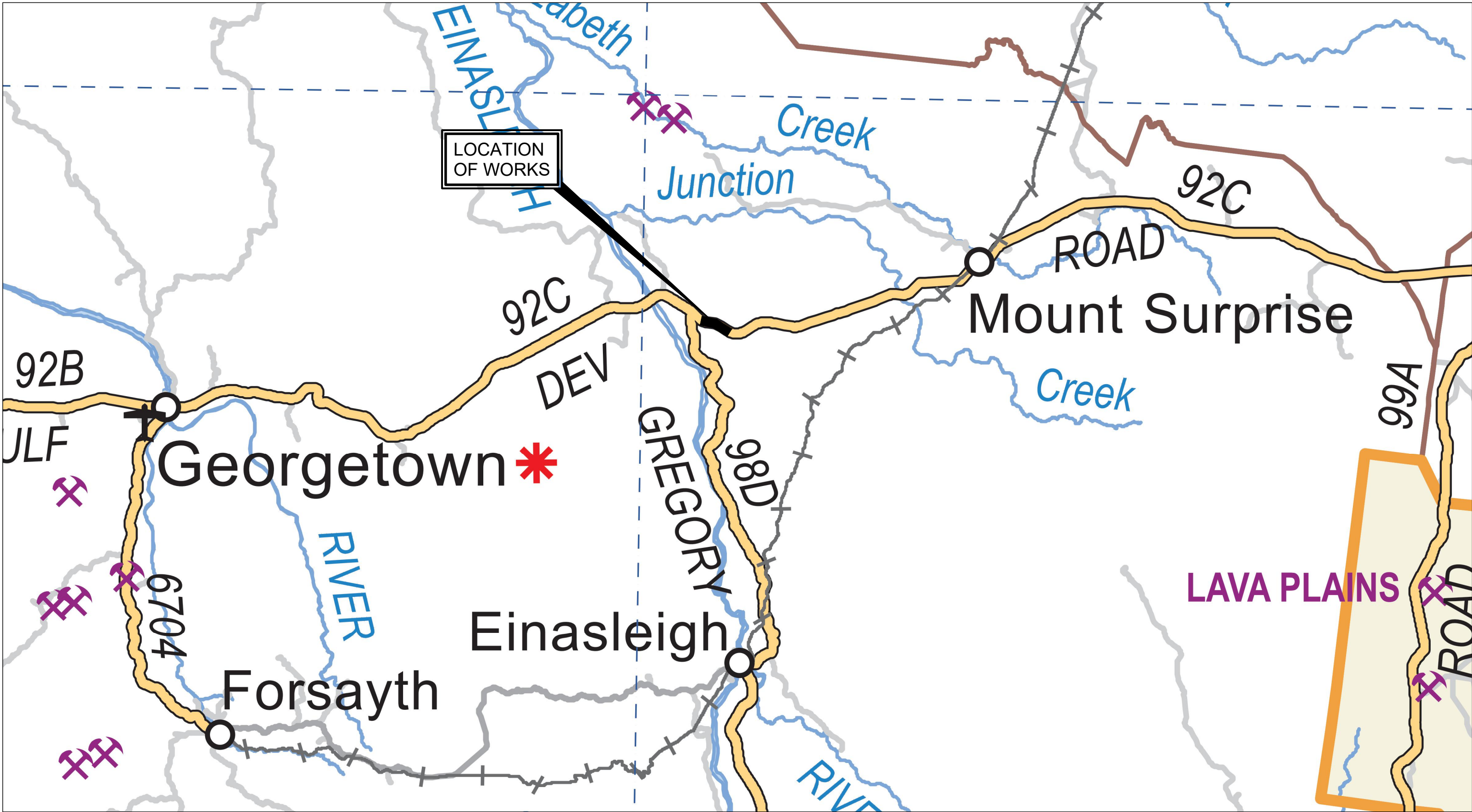


GULF DEVELOPMENTAL ROAD (92C)
ROSI PACKAGE 4 - STAGE 1 - ROAD WIDENING
CONTRACT NO. CN-22813



DRAWING LIST

Drawing No.	Revision	Date	Drawing Description
944561	C	16/05/2025	LOCALITY PLAN, DRAWING INDEX AND GEOMETRIC DESIGN CRITERIA
944562	C	16/05/2025	TYPICAL CROSS SECTIONS – 1 OF 2
944563	C	16/05/2025	TYPICAL CROSS SECTION – 2 OF 2
944564	B	16/05/2025	CONTROL AND SURVEY SETOUT – STAGE 1 – 1 OF 2
944565	C	16/05/2025	CONTROL AND SURVEY SETOUT – STAGE 1 – 2 OF 2
944566	C	16/05/2025	WORKING PLAN – STAGE 1 – 1 OF 7
944567	C	16/05/2025	WORKING PLAN – STAGE 1 – 2 OF 7
944568	C	16/05/2025	WORKING PLAN – STAGE 1 – 3 OF 7
944569	C	16/05/2025	WORKING PLAN – STAGE 1 – 4 OF 7
944570	B	18/12/2024	GUARDRAIL SETOUT AND DETAILS – 1 OF 1
944571	B	18/12/2024	WORKING PLAN – STAGE 1 – 6 OF 7
944572	B	18/12/2024	WORKING PLAN – STAGE 1 – 7 OF 7
944573	B	18/12/2024	DRAINAGE SECTION DETAILS – SHEET 1 OF 3
944574	C	16/05/2025	DRAINAGE SECTION DETAILS – SHEET 2 OF 3
944575	C	16/05/2025	DRAINAGE SECTION DETAILS AND TABLE – SHEET 3 OF 3
944576	A	26/04/2024	MISCELLANEOUS DETAILS

TOTAL NUMBER OF DRAWINGS = 16



SIGNATURE BLOCK

SCHEME SUBMITTED: <i>(External Consultants or Internal Business Unit):</i> This design meets the requirements of all relevant Australian Standards, Austroads Guidelines and Transport and Main Roads – Policies. References, Standards, Planning and Design Instructions, Guidelines and the requirements of the project brief/functional specifications. FULL NAME: JULIANNE A PARKES POSITION TITLE: PRINCIPAL ENGINEER (CIVIL) SIGNED (IF WET INK): SCHEME SCOPE AND FINANCIAL APPROVAL: <i>(Regional Director or Delegate):</i> I hereby certify that this scheme complies with the intent of the scope and financial limits of the relevant project on QTRIP and the scheme is approved for release in accordance with that program. FULL NAME: DARRYL Y JONES POSITION TITLE: A/DISTRICT DIRECTOR (FAR NORTH) SIGNED (IF WET INK):			DATE: 26/04/2024 ORGANISATION: DEP. OF TRANSPORT AND MAIN ROADS DATE: 07/05/2024
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SERVICES NOTES

THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN APPROXIMATED FROM THE KNOWN POSITIONS OF VALVES, MANHOLES, ETC AND INFORMATION SUPPLIED BY THE SERVICE AUTHORITIES. DETAILS OF UTILITY SERVICES ARE PROVIDED FOR INFORMATION ONLY, AND NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY AND COMPLETENESS OF THE INFORMATION SUPPLIED. POSITIONS OF MAJOR SERVICE RELOCATIONS AND CONFLICT POINTS SHALL BE RECORDED AND CHECKED BY THE CONTRACTOR. SERVICE RELOCATIONS MAY OR MAY NOT BE COMPLETED AT TIME OF CONSTRUCTION. FOR FURTHER DETAILS, REFER RELEVANT SERVICE AUTHORITY. POSSIBLE SERVICE AUTHORITY CONFLICT POINTS ARE SHOWN THUS: NOT ALL CONFLICTS HAVE NECESSARILY BEEN SHOWN. CONTRACTOR SHALL CHECK SERVICES ON SITE.
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ADOPTED GEOMETRIC DESIGN CRITERIA

DESIGN NOTE SITE DISTANCE CRITERIA: CARS – DESIGN SPEED 110 km/h 1.1m EYE HEIGHT (0.65m HEADLIGHTS) 0.2m OBJECT HEIGHT 0.46 CO-EFFICIENT OF DECELERATION (d) 2.5s REACTION TIME TRUCKS – DESIGN SPEED 110 km/h 2.4m EYE HEIGHT (0.65m HEADLIGHTS) 0.2m OBJECT HEIGHT 0.26 CO-EFFICIENT OF DECELERATION (d) 2.5s REACTION TIME EXTENDED DESIGN DOMAIN TRAFFIC LANE WIDTH OF 3.5m AND SHOULDER WIDTH OF 0.75m THROUGHOUT THE LENGTH OF THE JOB (EDD) CREST CURVES ACHIEVE THE FOLLOWING: STOPPING SITE DISTANCES TO OBJECT HEIGHT OF 0.4m FOR TRUCKS ONLY. REFER TO THE EXTENDED DESIGN DOMAIN REPORT FOR FURTHER INFORMATION.	
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F				Associated Job Nos 2361416	Survey Data		Scales NTS Dimensions shown in metres except where shown otherwise	ETHERIDGE SHIRE COUNCIL (226)					LOCALITY PLAN, DRAWING INDEX AND GEOMETRIC DESIGN CRITERIA				 Queensland Government	
E					Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)										
D				Auxiliary Drg Nos	Horiz. Grid	GDA2020 MGA 55		CTL CHGE 61750 – 64300										
C	Updated Drawing List	Steven L Carr – Civil – RPEQ 25908	16/05/2025	944561 – 944576	Height Datum	AHD DERIVED		Reference Points					ENGINEERING CERTIFICATION (RPEQ)					
B	Amendments To Geometric Design Criteria	Steven L Carr – Civil – RPEQ 25908	18/12/2024		Survey Books	103975		Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME	No.	DATE		
A	Issued For Construction						92C/07	0.71	2.55	12.29	92C/08	CIVIL	JULIANNE A PARKES	07746	26/04/2024	Contract No.	CN-22813	
	Revisions/Descriptions	Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title	Date				Through Chainage from (92C) 61.75km – 64.30km									Drawing No.	944561 C	
CAD FILES G:\CAD\DESIGN\Projects\226\92C\ROSI – Package 10\ACAD\Drawings_Stage 1\00_DI-Drawing Index.dwg																	Series Number	DI-01 of 16

1. Refer to Drg. No. 944563 for Table Drain Details.
2. Refer to Drg. No. 944576 for Signs and Pavement Marking Details.
3. ATLM implementation on Centre Line and Edge Lines as per Drg. No. 944576.
4. All existing Guide Posts to be removed and replace in accordance with Drg. No. 944566 to 944572.
5. Batters are to be trimmed of excess and loose material prior to re-vegetation and Bitumen Sealing Works.
6. The existing Seal must be removed prior to placing pavement material. Unsuitable material as per MRTS04 Clause 9.2 shall be identified where there are significant signs of pavement distress or shape deformation, or as identified by proof rolling following the removal of the existing seal.

* Remove Vegetation and Dispose. All trees within 9.0m of Road Shoulder or 1.0m beyond Top of Batter, whichever is greater, to be removed.

** 75mm Top Soil / Broadcast Seeding to only disturbed areas outside of pavement extents.

Design Vehicle: Type 2 Road Train (A-Triple 53.4m)

Design Traffic:	1.528 * 10 ⁶ ESA's
Design Life:	20 years (from 2024)
Design Subgrade:	CBR 7
AADT:	338 (2022)
% Comm. Veh.	29.0 %
Growth Rate:	2%

Initial seal – Traffic Lanes and Shoulders:

- AMC7 Prime seal @ 1.6 L/m².
- 14mm Cover Aggregate (Pre-coated) @ 90m²/m³

1st Coat Seal – Traffic Lanes and Shoulders:

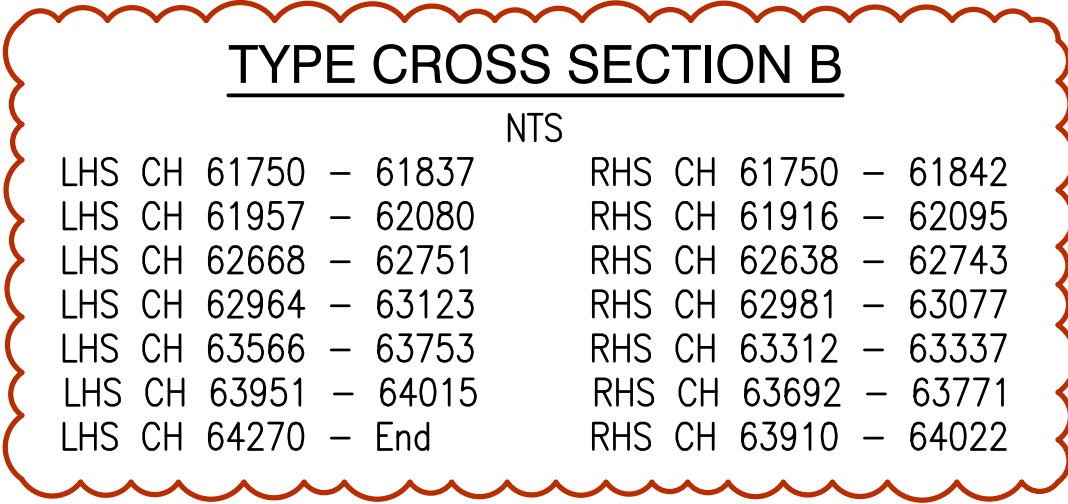
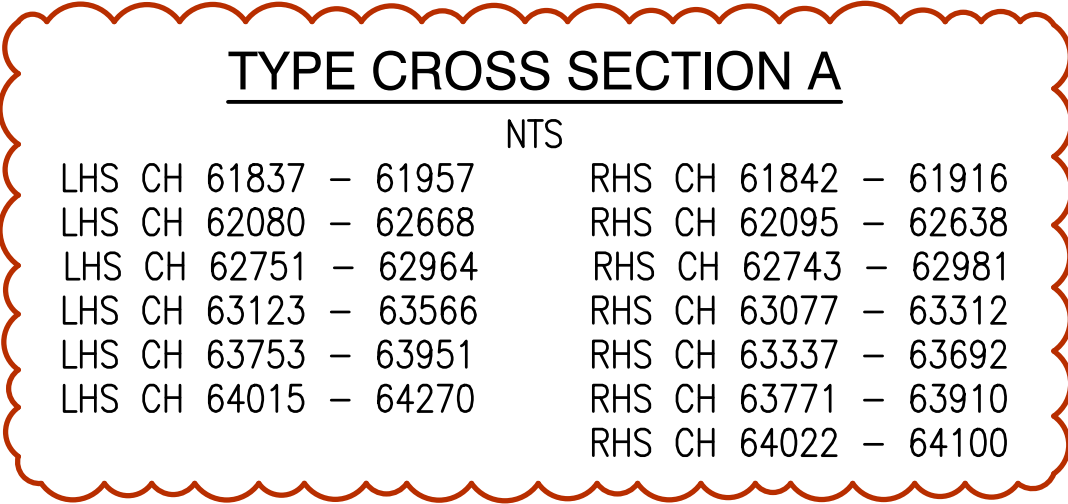
- PMB S35E Seal (or similar binder) @ 1.3 L/m².
- 10mm Cover Aggregate (Pre-coated) @ 150m²/m³

Overspray Batters – 1.0m Nominal Width:

- AMC7 Prime Seal @ 1.2 L/m²
- No Aggregate

Bitumen Surfacing Spray Rates and Aggregate Spread Rates for estimating purposes and shall be approved (prior to application), by the Administrator.

 Φ Bitumen Surfacing
 175mm Base (Type 2, Subtype 2.1)
 200mm Subbase (Type 2, Subtype 2.3)
 Subgrade Level (CBR 7)
 Embankment Fill: Min. 4 Day Soaked CBR 15 or 150 MPa. Refer to MRTS04

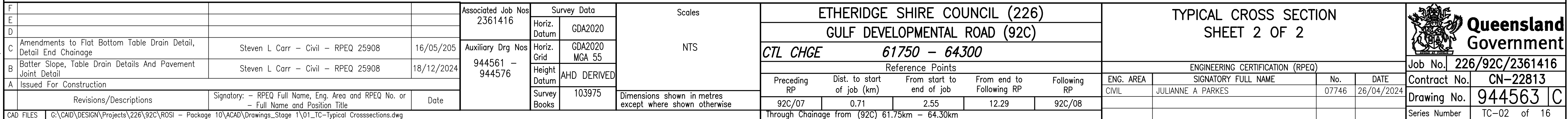


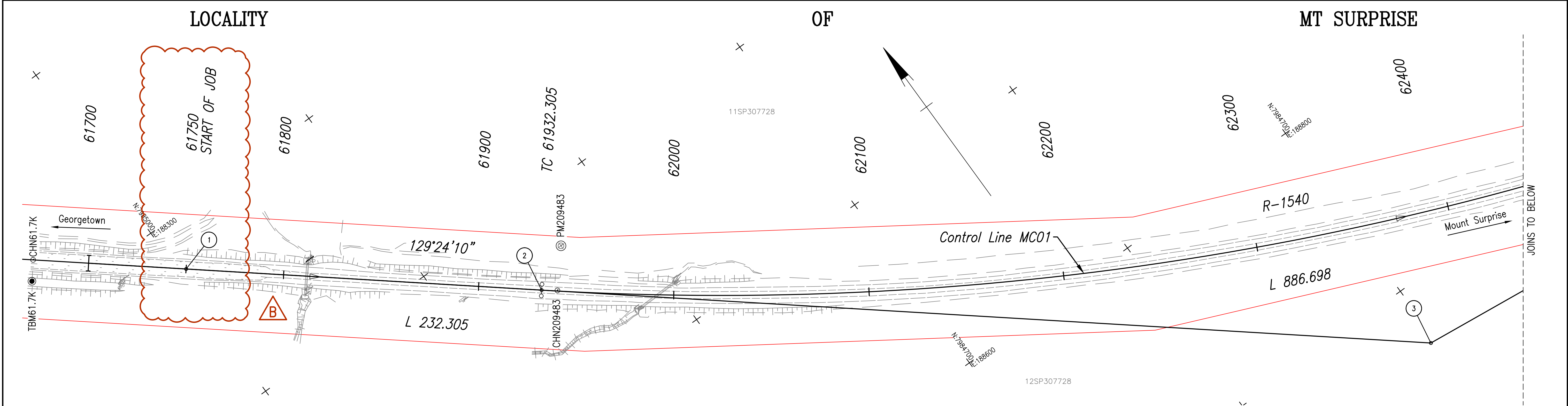
F			Associated Job Nos	Survey Data		Scales	ETHERIDGE SHIRE COUNCIL (226)				TYPICAL CROSS SECTIONS SHEET 1 OF 2					Queensland Government	
E			2361416	Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)										
D			Auxiliary Drg Nos 944561 – 944576	Horiz. Grid	GDA2020 MGA 55		CTL CHGE 61750 – 64300										
C	Chainages For Typical Cross Section A and B, Batter Slope Change	Steven L Carr – Civil – RPEQ 25908		16/05/2025	Height Datum		AHD DERIVED	Reference Points				ENGINEERING CERTIFICATION (RPEQ)					
B	Batter Slope And Table Drain Details	Steven L Carr – Civil – RPEQ 25908		18/12/2024	Survey Books		103975	Dimensions shown in metres except where shown otherwise				Job No. 226/92C/2361416					
A	Issued For Construction					Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME	No.	DATE	Contract No. CN-22813		
	Revisions/Descriptions	Signature: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title	Date			92C/07	0.71	2.55	12.29	92C/08	CIVIL	JULIANNE A PARKES	07746	26/04/2024	Drawing No. 944562 C		
CAD FILES G:\CAID\DESIGN\Projects\226\92C\ROSI – Package 10\ACAD\Drawings_Stage 1\01_TC–Typical Crosssections.dwg						Through Chainage from (92C) 61.75km – 64.30km								Series Number	TC-01 of 16		

1. Refer to Drg. No. 944562 for General Notes, Pavement Design, Design Vehicle and Bitumen Surfacing Details.
2. Refer to Drg. No. 944566 to 944572 for Signs and Pavement Marking Details.
3. Refer to Details on Drg. 944566 to 944572 and on Annotated Cross Sections. Table Drains shall be turned out as shown on the Working Plans, at Culverts and As Directed by the Administrator with the TMR Std Drg. 1178.

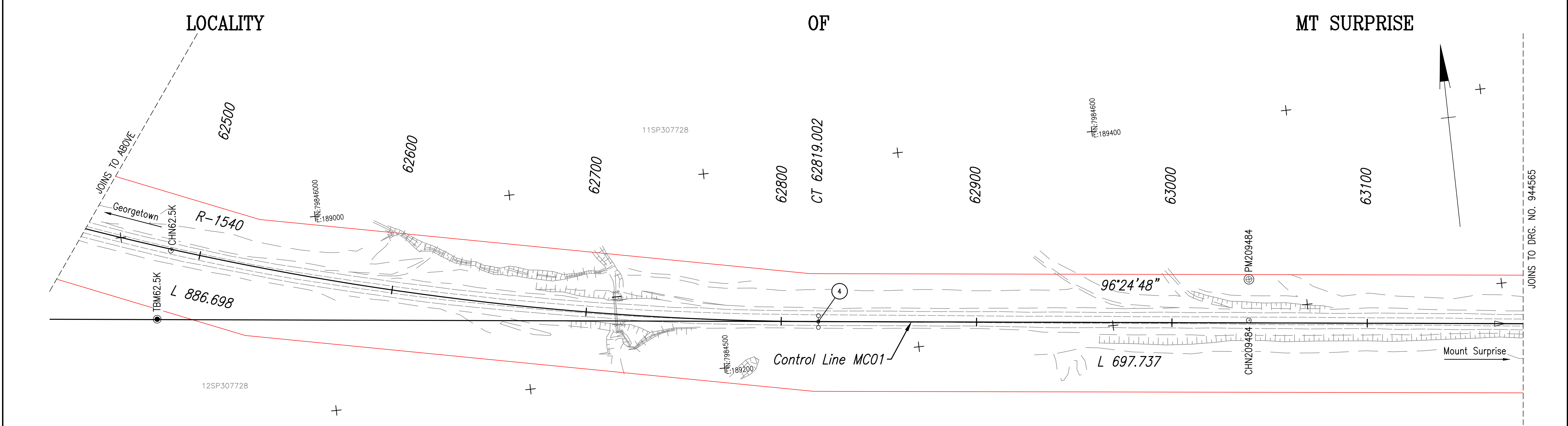
* Remove Vegetation and Dispose. All trees within 9.0m of Road Shoulder or 1.0m beyond Top of Batter, whichever is greater, to be removed.

** 75mm Top Soil / Broadcast Seeding to only disturbed areas outside of pavement extents.

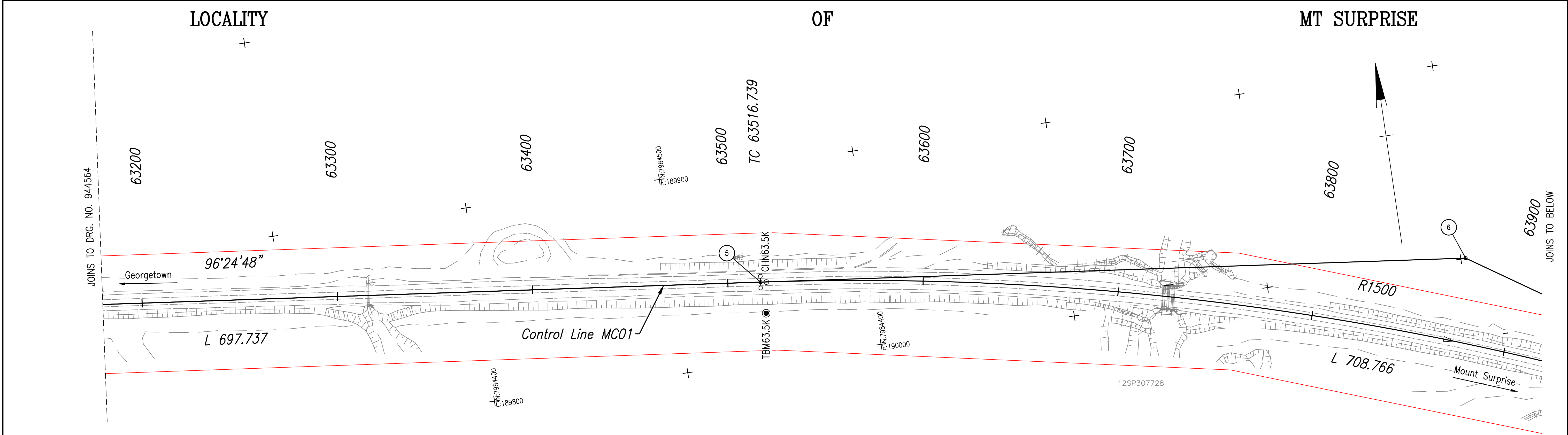




- NOTES:
- 1. REFER TO DRG. NO. 944565 FOR CONTROL LINE AND SURVEY SETOUT DETAILS.
 - 2. REFER TO DRG. NO. 944576 FOR LEGEND AND NOTES.



F				Associated Job Nos 2361416	Survey Data		010203040m	ETHERIDGE SHIRE COUNCIL (226)					CONTROL AND SURVEY SETOUT STAGE 1 SHEET 1 OF 2				 Queensland Government				
E					Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)													
D					Horiz. Grid	GDA2020 MGA 55		CTL CHGE 61750 – 64300													
C					Auxiliary Drg Nos	Horiz. Grid		GDA2020 MGA 55	Reference Points					ENGINEERING CERTIFICATION (RPEQ)							
B	Updated Control Point No. 1	Steven L Carr – Civil – RPEQ 25908	16/05/2025		944561 – 944576	Height Datum		AHD DERIVED	Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME	No.		DATE	Job No.	226/92C/2361416	
A	Issued For Construction			Survey Books		103975	Dimensions shown in metres except where shown otherwise					92C/07	0.71	2.55	12.29	92C/08	CIVIL	JULIANNE A PARKES	07746	26/04/2024	Contract No.
Revisions/Descriptions		Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title		Date	Through Chainage from (92C) 61.75km – 64.30km													Drawing No.	944564	B	
CAD FILES		G:\CAID\DESIGN\Projects\226\92C\ROSI – Package 10\ACAD\Drawings_Stage 1\02_SV–Survey Setout.dwg															Series Number	CL-01 of 16			



FIXED SURVEY CONTROL: PFSC

Name	Easting	Northing	Height	Combined Scale Factor	Comment
PM209485	190401.691	7984275.608	383.379	1.00071582	STAR PKT
PM208462	187770.346	7985367.060	386.587	1.00073557	STAR PKT
PM208463	191139.424	7983870.236	395.794	1.00070822	STAR PKT
PM209483	188466.065	7984871.382	377.043	1.00073170	STAR PKT
PM209484	189471.667	7984515.998	382.229	1.00072314	STAR PKT

PERMANENT MARKS: PPMK

Name	Easting	Northing	Height	Combined Scale Factor	Comment
PM208462	187770.346	7985367.060	386.587	1.00073557	STAR PKT
PM208463	191139.424	7983870.236	395.794	1.00070822	STAR PKT
PM209483	188466.065	7984871.382	377.043	1.00073170	STAR PKT
PM209484	189471.667	7984515.998	382.229	1.00072314	STAR PKT
PM209485	190401.691	7984275.608	383.379	1.00071582	STAR PKT

BENCH MARKS: PBMK

Name	Easting	Northing	Height	Combined Scale Factor	Comment
TBM61.7K	188236.283	7985015.872	375.827	1.00073366	STAR PKT
TBM62.5K	188913.902	7984556.405	380.868	1.00072765	STAR PKT
TBM63.5K	189944.131	7984424.287	385.038	1.00071907	STAR PKT
TBM64.5K	190844.448	7984069.210	385.800	1.00071205	STAR PKT

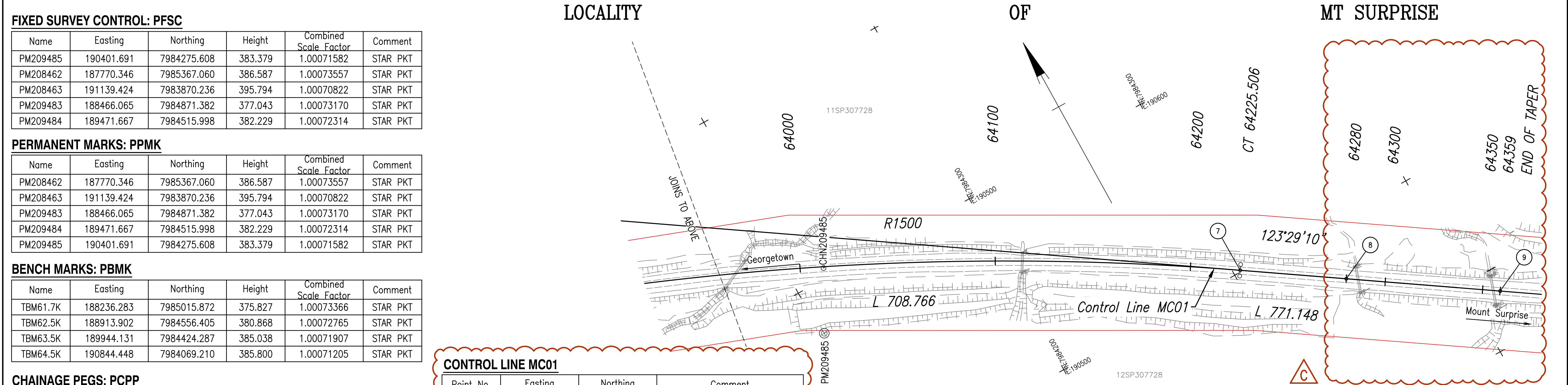
CHAINAGE PEGS: PCPP

Name	Easting	Northing	Height	Combined Scale Factor	Comment
CHN64.5K	190831.985	7984049.774	385.934	1.00071212	NAIL
CHN209485	190417.510	7984305.053	383.335	1.00071571	NAIL
CHN63.5K	189946.509	7984440.094	384.617	1.00071912	NAIL
CHN209484	189469.331	7984495.071	382.762	1.00072307	NAIL
CHN208463	191128.122	7983854.019	395.493	1.00070835	NAIL
CHN62.5K	188924.685	7984590.627	381.523	1.00072746	NAIL
CHN61.7K	188243.200	7985024.360	375.403	1.00073368	NAIL
CHN209483	188451.145	7984853.959	376.955	1.00073183	NAIL

LOCALITY

OF

MT SURPRISE



CONTROL LINE MC01

Point No.	Easting	Northing	Comment
1	188303.830	7984974.547	Start of Works CH61750
2	188444.697	7984858.826	TC 61932.305
3	188797.063	7984569.361	IP2 62375.654
4	189250.226	7984518.424	CT 62819.002
5	189943.597	7984440.488	TC 63516.739
6	190302.464	7984400.151	IP3 63871.123
7	190603.652	7984200.904	CT 64225.506
8	190649.101	7984170.838	End of Works CH64280
9	190714.988	7984127.251	End of Seal Taper CH64359

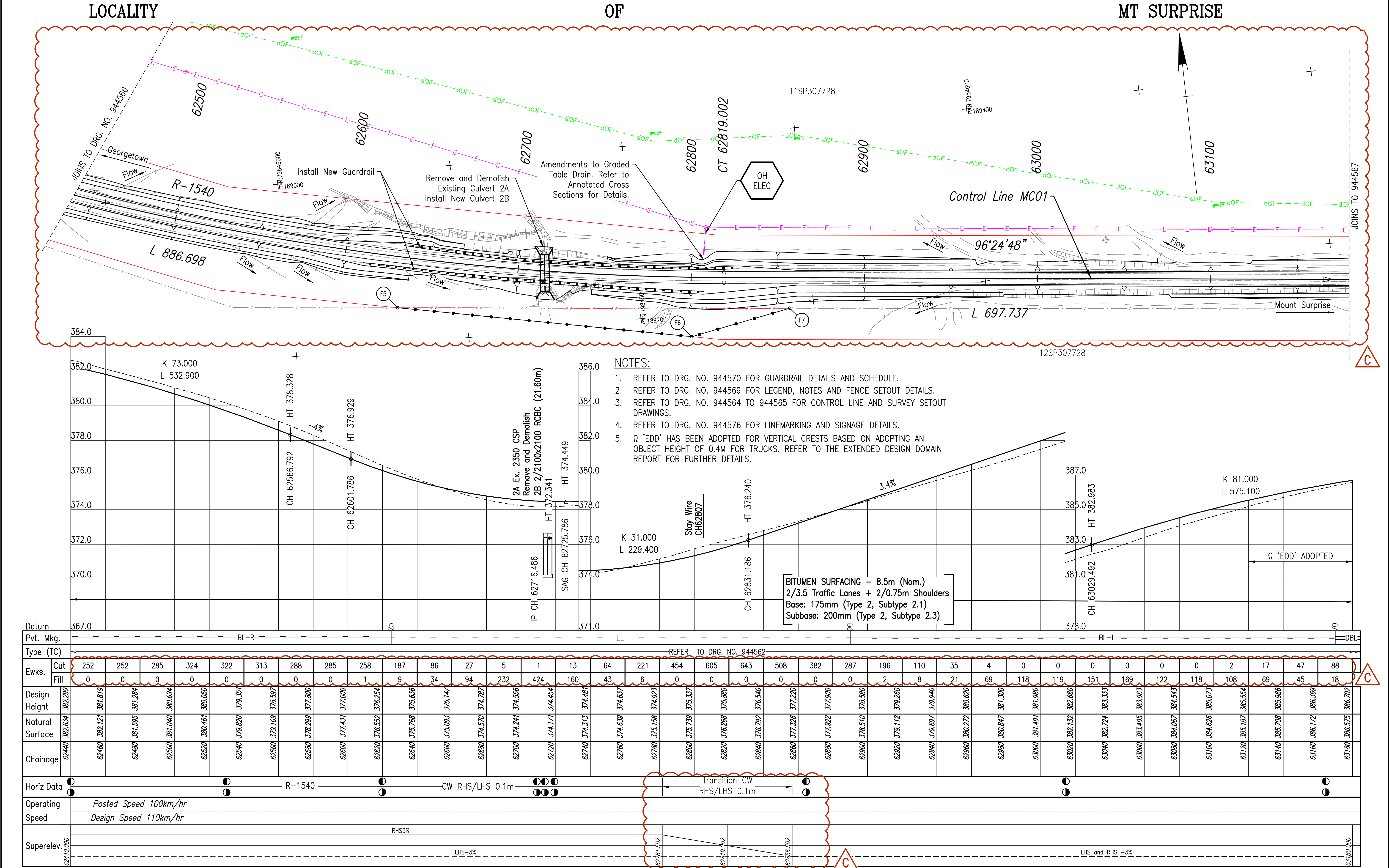
NOTES:
1. REFER TO DRG. NO. 944576 FOR LEGEND AND NOTES.

F			Associated Job Nos 2361416		Survey Data Horiz. Datum GDA2020		Scales 0 10 20 30 40m		ETHERIDGE SHIRE COUNCIL (226) GULF DEVELOPMENTAL ROAD (92C)		CONTROL AND SURVEY SETOUT STAGE 1 SHEET 2 OF 2		Queensland Government	
F			Auxiliary Drg Nos 944561 – 944576		Horiz. Grid GDA2020 MGA 55		Height Datum AHD DERIVED		CTL CHGE 61750 – 64300		ENGINEERING CERTIFICATION (RPEQ)		Job No. 226/92C/2361416	
C			Update Control Line Setout		Steven L Carr – Civil – RPEQ 25908		16/05/2025		Reference Points		ENG. AREA		Contract No. CN-22813	
B			Update Control Line Setout		Steven L Carr – Civil – RPEQ 25908		18/12/2024		Preceding RP		SIGNATORY FULL NAME		Drawing No. 944565	
A			Issued For Construction						Dist. to start of job (km)		No.		C	
			Revisions/Descriptions		Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title		Date		From start to end of job		DATE		Series Number	
									Following RP		07746		CL-02 of 16	
									Through Chainage from (92C) 61.75km – 64.30km					



F				Associated Job Nos	2361416	Survey Data	Scales	ETHERIDGE SHIRE COUNCIL (226)				WORKING PLAN STAGE 1 SHEET 1 OF 7					Job No.	226/92C/2361416					
E								Horiz. Datum	GDA2020	GULF DEVELOPMENTAL ROAD (92C)													
D								Plan and Horizontal				CTL CHGE				ENGINEERING CERTIFICATION (RPEQ)				Contract No.	CN-22813		
C	Revised Positioning Of Superelevation, Updated Design Strings Based On Batter Slope	Steven L Carr – Civil – RPEQ 25908	16/05/2025	Auxiliary Drg Nos	944561 – 944576	Horiz. Grid	GDA2020 MGA 55	61750 – 64300															
B	Vertical Alignment And Sizing Of Culvert Crossing	Steven L Carr – Civil – RPEQ 25908	18/12/2024			Height Datum	AHD DERIVED	Vertical				Reference Points				ENG. AREA	SIGNATORY FULL NAME	No.	DATE	Drawing No.	944566	C	
A	Issued For Construction					Survey Books	103975	Dimensions shown in metres except where shown otherwise				Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	CIVIL	JULIANNE A PARKES	07746	26/04/2024	Series Number	WP-01 of 16	
Revisions/Descriptions			Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title		Date						92C/07	0.71	2.55	12.29	92C/08								
CAD FILES G:\CAID\DESIGN\Projects\226\92C\ROSI – Package 10\ACAD\Drawings\Stage 1\03_WP-Working Plan.dwg											Through Chaining from (92C) 61.75km – 64.30km												

May 19, 2025 - 8:59am XREFS :- Survey\XREF_Grid_100m\XR-12d-ROAD-LONG-1-DTL\XR-12d-ROAD-LONG-2-DTL\XR-12d-ROAD-LONG-3-DTL\XR-12d-ROAD-LONG-4-XR-12d-ROAD-LONG-5-DTL\XREF-CULV-STG1\XREF-MCO1-STG1\XREF-DSON STR\XREF-GURD-DTL



F				Associated Job Nos 2361416	Survey Data		ETHERIDGE SHIRE COUNCIL (226) GULF DEVELOPMENTAL ROAD (92C) CTL CHGE 61750 - 64300 Reference Points <table><tr><td>Preceding RP</td><td>Dist. to start of job (km)</td><td>From start to end of job</td><td>From end to Following RP</td><td>Following RP</td></tr><tr><td>92C/07</td><td>0.71</td><td>2.55</td><td>12.29</td><td>92C/08</td></tr></table> Through Chainage from (92C) 61.75km - 64.30km	Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	92C/07	0.71	2.55	12.29	92C/08	WORKING PLAN STAGE 1 SHEET 2 OF 7 ENGINEERING CERTIFICATION (RPEQ) <table><tr><td>ENG. AREA</td><td>SIGNATORY FULL NAME</td><td>No.</td><td>DATE</td></tr><tr><td>CIVIL</td><td>JULIANNE A PARKES</td><td>07746</td><td>26/04/2024</td></tr></table>				ENG. AREA	SIGNATORY FULL NAME	No.	DATE	CIVIL	JULIANNE A PARKES	07746	26/04/2024	 Queensland Government Job No. 226/92C/2361416 Contract No. CN-22813 Drawing No. 944567 C Series Number WP-02 of 16
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP		Following RP																									
92C/07	0.71	2.55	12.29	92C/08																										
ENG. AREA	SIGNATORY FULL NAME	No.	DATE																											
CIVIL	JULIANNE A PARKES	07746	26/04/2024																											
E				Horiz. Datum	GDA2020																									
D				Horiz. Grid	GDA2020 MGA 55																									
C	Revised Positioning Of Superelevation, Updated Design Strings Based On Batter Slope	Steven L Carr - Civil - RPEQ 25908	16/05/2025	Auxiliary Drg Nos	944561 - 944576	Height Datum	AHD DERIVED	Survey Books	103975	Dimensions shown in metres except where shown otherwise																				
B	Vertical Alignment And Sizing Of Culvert Crossing	Steven L Carr - Civil - RPEQ 25908	18/12/2024																											
A	Issued For Construction																													
Revisions/Descriptions		Signatory: - RPEQ Full Name, Eng. Area and RPEQ No. or - Full Name and Position Title		Date																										
CAD FILES		G:\CAID\DESIGN\Projects\226\92C\ROSI - Package 10\ACAD\Drawings_Stage 1\03_WP-Working Plan.dwg																												

MT SURPRISE



F				Associated Job Nos 2361416	Survey Data		Plan and Horizontal 010203040m Vertical 01234m Dimensions shown in metres except where shown otherwise		ETHERIDGE SHIRE COUNCIL (226)				WORKING PLAN STAGE 1 SHEET 3 OF 7				 Queensland Government
E					Horiz. Datum	GDA2020			GULF DEVELOPMENTAL ROAD (92C)								
D					Auxiliary Drg Nos	GDA2020 MGA 55	CTL CHGE 61750 – 64300										
C	Revised Positioning Of Superelevation, Updated Design Strings Based On Batter Slope	Steven L Carr – Civil – RPEQ 25908	16/05/2025		944561 – 944576	Height Datum	AHD DERIVED	Reference Points				ENGINEERING CERTIFICATION (RPEQ)					
B	Vertical Alignment And Sizing Of Culvert Crossing	Steven L Carr – Civil – RPEQ 25908	18/12/2024			Survey Books	103975	Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME	No.	DATE	
A	Issued For Construction						92C/07	0.71	2.55	12.29	92C/08	CIVIL	JULIANNE A PARKES	07746	26/04/2024		
Revisions/Descriptions		Signature: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title		Date												Job No.	226/92C/2361416
																Contract No.	CN-22813
																Drawing No.	944568 C
																Series Number	WP-03 of 16
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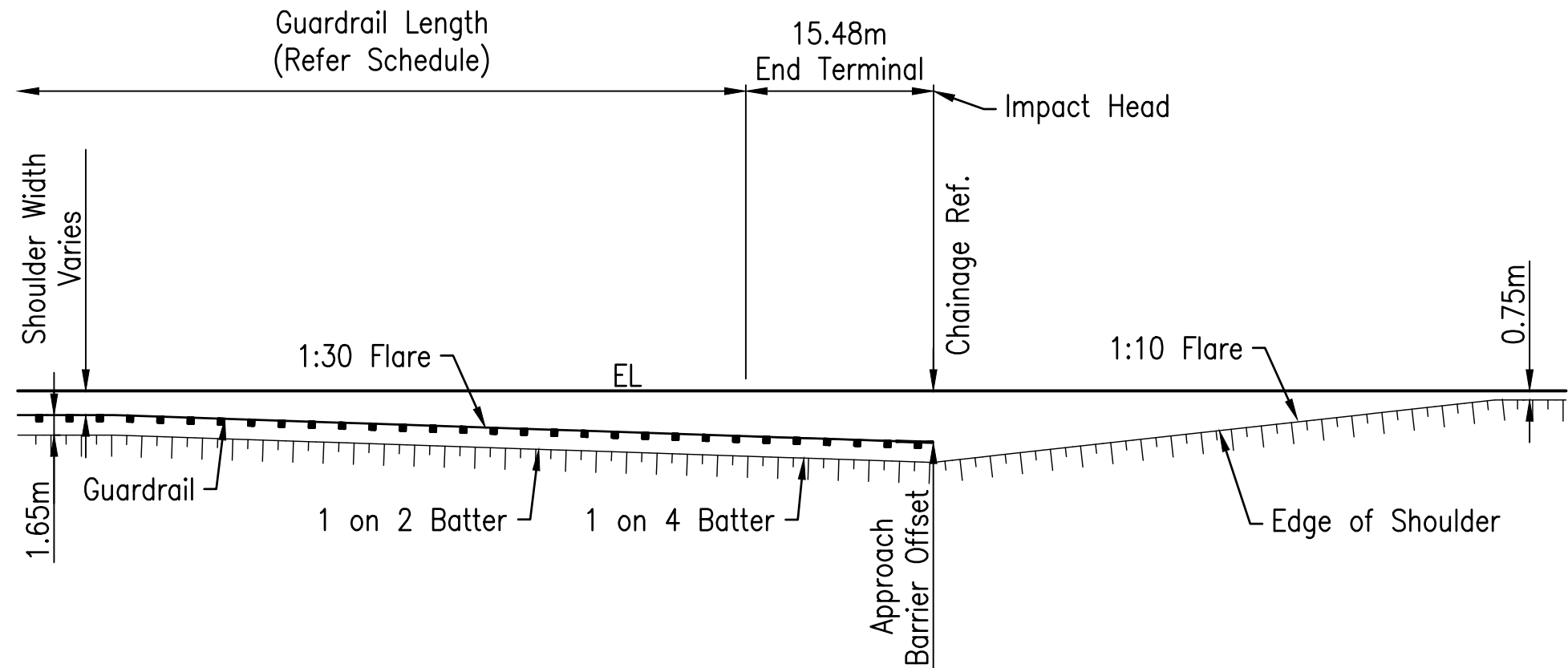


1. The Location of existing services shown are given for guidance only. Locations may not be accurately represented and other services may exist on site. It is the responsibility of the Contractor to verify the position of all services on site prior to commencing Construction activities.
2. Refer to Drg. No. 944562 to 944563 for Typical Cross Section, General Notes, Pavement Details and Design Parameters and Bitumen Seal Details.
3. Refer to Drg. No. 944564 to 944565 for Control Line and Survey Setout Details.
4. Refer to Drg. No. 944573 – 944575 for Drainage Details and Sections.
5. Refer to Drg. No. 944576 for typical Sign Location and Orientation Details, and Pavement Marking and Signage Notes.
6. Turn Out Water Locations are approximate only and shall be confirmed on Site. Refer to TMR Std Drg 1178 for additional Details.
7. Ω 'EDD' has been adopted for several crest based on adopting an object height of 0.4m for Trucks. Refer to the extended design domain report for further details.

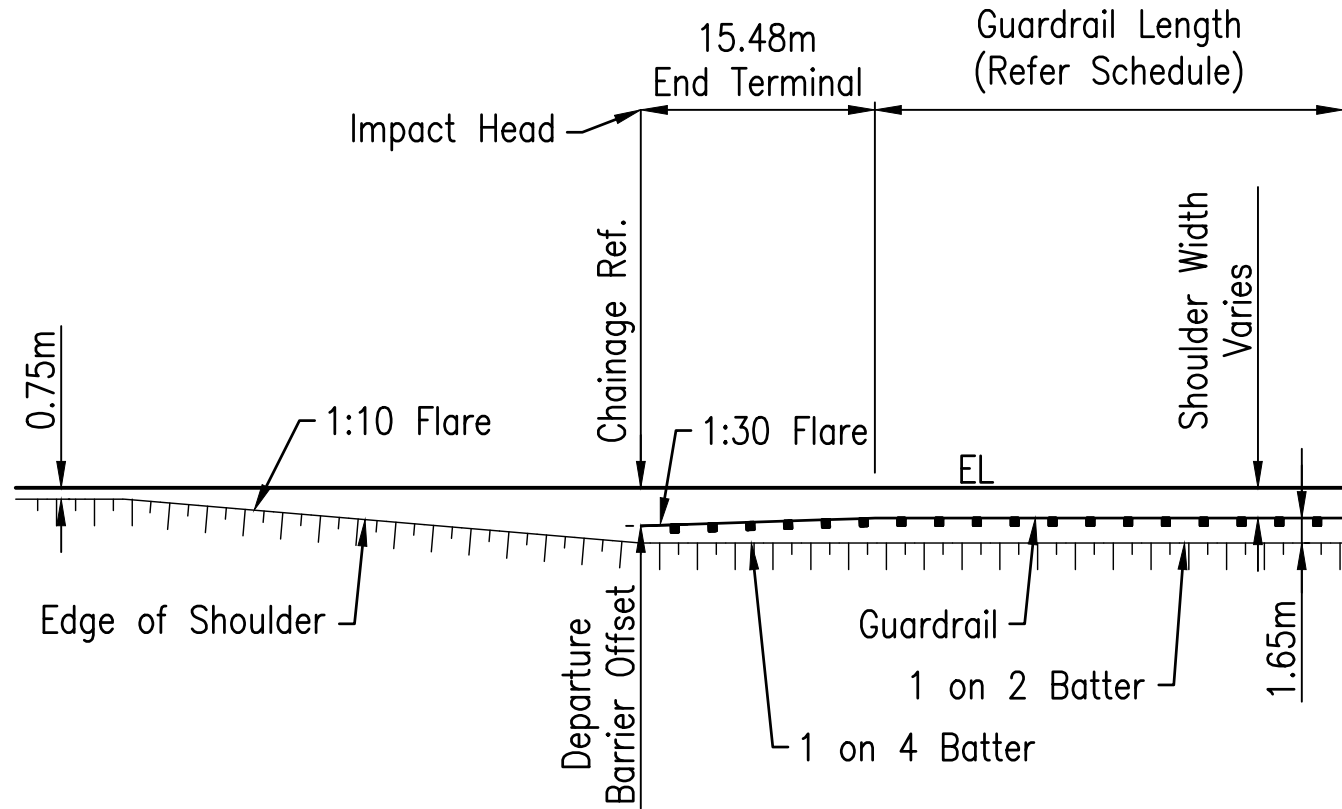
	PROPERTY BOUNDARY (UNSURVEYED)
	EXISTING UNDERGROUND OPTIC FIBRE
	EXISTING OVERHEAD ELECTRICAL
	EXISTING FENCE TO REMAIN
	EXISTING FENCE LINE TO BE REMOVED
	NEW FENCE LINE TO BE INSTALLED
	EXISTING UNDERGROUND DRAINAGE (SIZE VARIES)
	SIGN AND NUMBER
	PROPOSED FENCE LOCATION
	TABLE DRAIN TURN OUT
	NEW GUIDE POST

Point No.	Easting	Northing
F1	188294.182	7984962.542
F2	188300.379	7984938.575
F3	188444.086	7984820.553
F4	188584.705	7984726.138
F5	189061.037	7984521.567
F6	189228.027	7984486.494
F7	189285.951	7984496.666
F8	190083.711	7984399.050
F9	190104.514	7984374.557
F10	190186.921	7984358.745

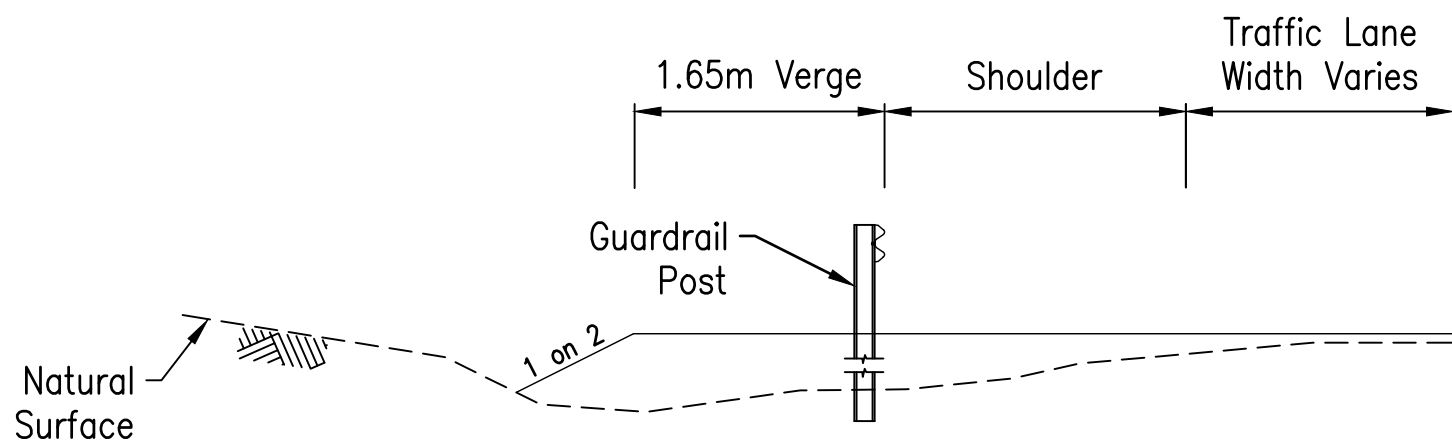
E				Associated Job Nos 2361416	Survey Data		Scales Hor 05101520m Ver 02468m Dimensions shown in metres except where shown otherwise	ETHERIDGE SHIRE COUNCIL (226)				WORKING PLAN STAGE 1 SHEET 4 OF 7				 Queensland Government								
D					Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)																
C	Revised Positioning Of Superelevation, Taper To Existing Road And Updated Design Strings Based On Batter Slope	Steven L Carr – Civil – RPEQ 25908	16/05/2025		Auxiliary Drg Nos	Horiz. Grid		GDA2020 MGA 55	CTL CHGE61750 – 64300															
B	Vertical Alignment And Sizing Of Culvert Crossing	Steven L Carr – Civil – RPEQ 25908	18/12/2024		944561 – 944576	Height Datum		AHD DERIVED	Reference Points															
A	Issued For Construction				Survey Books	103975		<table><tr><td>Preceding RP</td><td>Dist. to start of job (km)</td><td>From start to end of job</td><td>From end to Following RP</td><td>Following RP</td></tr><tr><td>92C/07</td><td>0.71</td><td>2.55</td><td>12.29</td><td>92C/08</td></tr><tr><td colspan="5">Through Chainage from (92C) 61.75km – 64.30km</td></tr></table>				Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP		Following RP	92C/07	0.71	2.55	12.29	92C/08	Through Chainage from (92C) 61.75km – 64.30km	
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP																				
92C/07	0.71	2.55	12.29	92C/08																				
Through Chainage from (92C) 61.75km – 64.30km																								
Revisions/Descriptions		Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title		Date					ENG. AREA	SIGNATORY FULL NAME	No.	DATE	Job No.	226/92C/2361416										
									CIVIL	JULIANNE A PARKES	07746	26/04/2024	Contract No.	CN-22813										
													Drawing No.	944569	C									
													Series Number	WP-04	of 16									
CAD FILES		G:\CAID\DESIGN\Projects\226\92C\ROSI – Package		10\ACAD\Drawings_Stage 1\03_WP-Working Plan.dwg																				



TYPICAL GUARDRAIL APPROACH
NTS



TYPICAL GUARDRAIL DEPARTURE
NTS



TYPICAL CROSS SECTION – GUARDRAIL STANDARD POST
NTS

GUARDRAIL SCHEDULE

CONTROL LINE	LOCATION					DETAILS					
	CONTROL CHAINAGE		SHOULDER WIDTH (M)	ROAD SIDE	CULVERT ID	APPROACH / DEPARTURE TERMINAL			GUARDRAIL		
	START	END				TYPE	APPROACH BARRIER OFFSET (M)	DEPARTURE BARRIER OFFSET (M)	TYPE	LENGTH (M)	WORKING WIDTH (M)
MC01	62633.2	62827.6	1.0	LHS	2B	TL-3 GATING END TREATMENT 15.48M L	3.20	1.51	TL-3 STEEL BEAM BARRIER	163.4	1.65
MC01	62610.9	62807.2	2.0	RHS		TL-3 GATING END TREATMENT 15.48M L	4.50	2.51	TL-3 STEEL BEAM BARRIER	165.3	1.65
MC01	63644.4	63819.9	2.0	LHS	3D	TL-3 GATING END TREATMENT 15.48M L	4.15	2.51	TL-3 STEEL BEAM BARRIER	144.6	1.65
MC01	63635.9	63804.0	2.0	RHS		TL-3 GATING END TREATMENT 15.48M L	4.00	2.51	TL-3 STEEL BEAM BARRIER	137.2	1.65

NOTES:

- REFER TO MANUFACTURES SPECIFICATIONS AND GUIDELINES FOR POST TYPES AND INSTALLATION.
- THE CONTRACTOR IS TO DETERMINE POST HEIGHTS FROM PROPOSED SHOULDER HEIGHT. REFER STANDARD DRAWING 1474.

F				Associated Job Nos	2361416	Survey Data	
F				Horiz. Datum	GDA2020		
D				Auxiliary Drg Nos	944561 – 944576	Horiz. Grid	GDA2020 MGA 55
C				Height Datum	AHD DERIVED		
B	Added Guardrail Setout And Details	Steven L Carr – Civil – RPEQ 25908	18/12/2024	Survey Books	103975		
A	Issued For Construction						
Revisions/Descriptions		Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title		Date			

Associated Job Nos		2361416
Survey Data		
Horiz. Datum	GDA2020	
Auxiliary Drg Nos	944561 – 944576	
Horiz. Grid	GDA2020 MGA 55	
Height Datum	AHD DERIVED	
Survey Books	103975	

Scales	
0 5 10 15 20m	
0 1.0 2.0m	
Dimensions shown in metres except where shown otherwise	

ETHERIDGE SHIRE COUNCIL (226)				
GULF DEVELOPMENTAL ROAD (92C)				
CTL CHGE 61750 – 64300				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
92C/07	0.71	2.55	12.29	92C/08
Through Chainage from (92C) 61.75km – 64.30km				

GUARDRAIL SETOUT AND DETAILS SHEET 1 OF 1			
ENGINEERING CERTIFICATION (RPEQ)			
ENG. AREA	SIGNATORY FULL NAME	No.	DATE
CIVIL	JULIANNE A PARKES	07746	26/04/2024

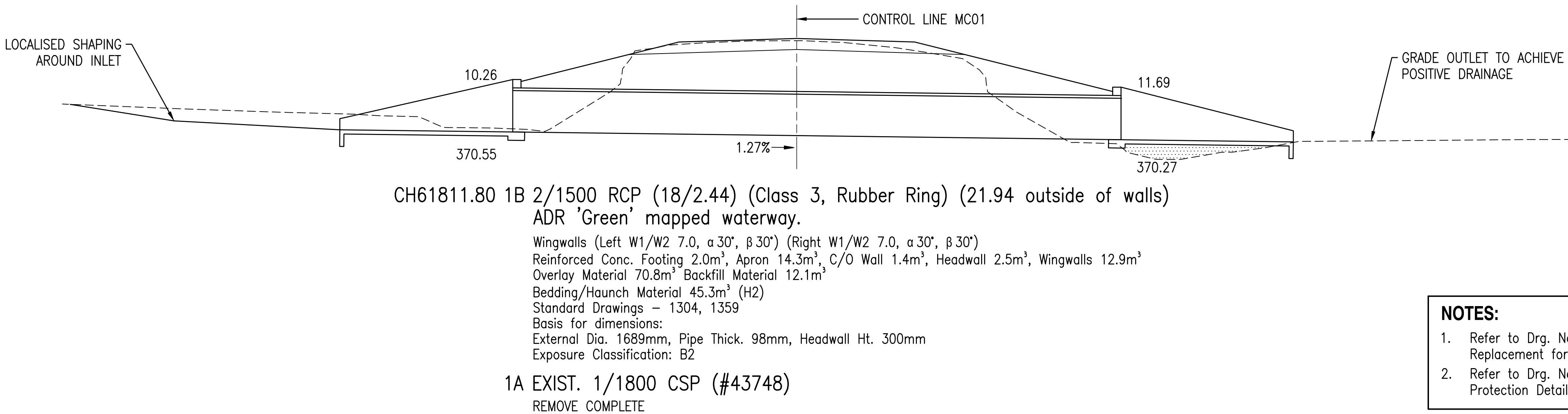
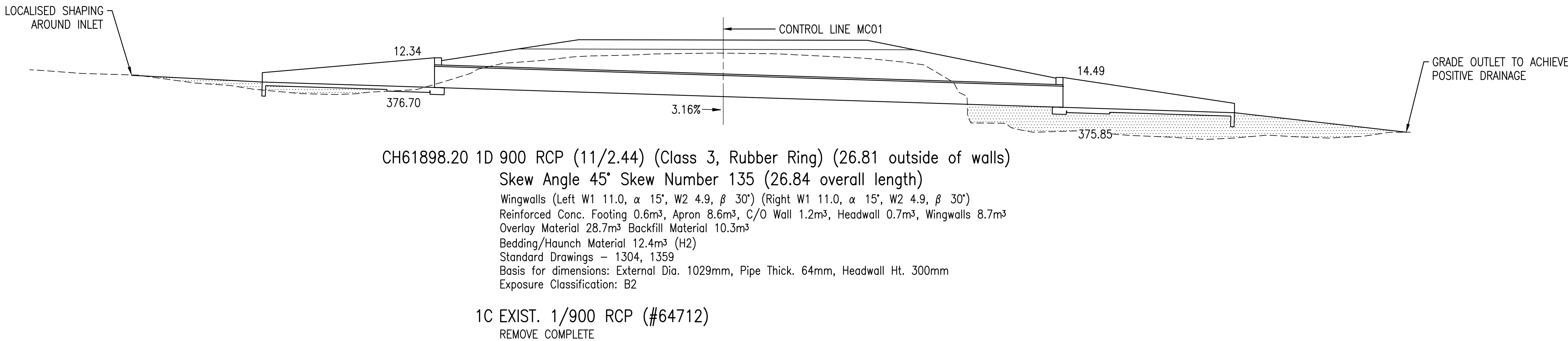
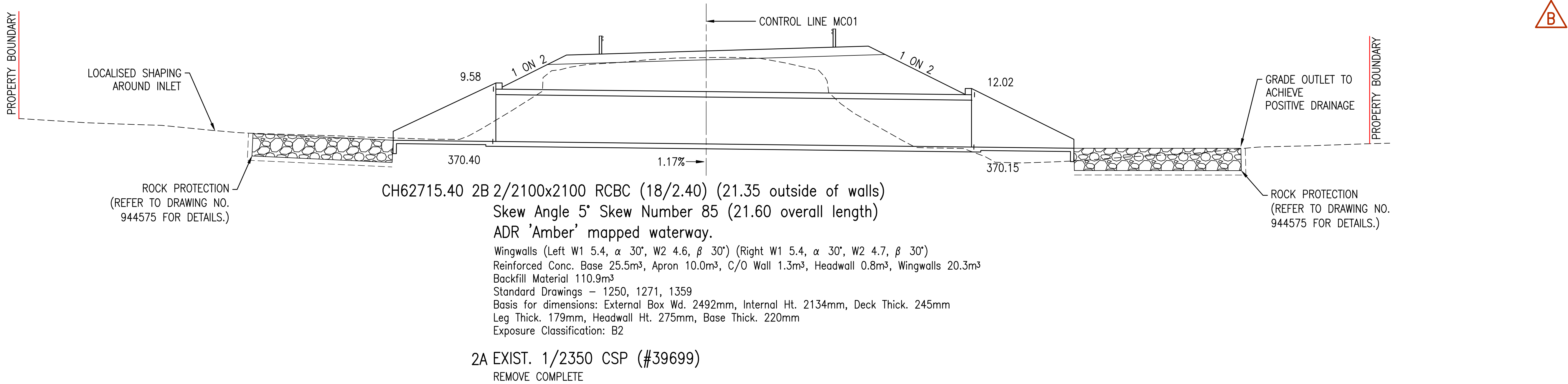
Job No.		226/92C/2361416
Contract No.	CN-22813	
Drawing No.	944570	B
Series Number	WP-05	of 16

REMOVED

F				Associated Job Nos 2361416	Survey Data		Scales Hor 05101520m Ver 02468m Dimensions shown in metres except where shown otherwise	ETHERIDGE SHIRE COUNCIL (226)				WORKING PLAN STAGE 1 SHEET 6 OF 7				 Queensland Government		
E					Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)										
D					Auxiliary Drg Nos	Horiz. Grid		GDA2020 MGA 55	CTL CHGE 61750 – 64300									
C						Height Datum		AHD DERIVED	Reference Points									
B	Page Removed	Steven L Carr – Civil – RPEQ 25908	18/12/2024	944561 – 944576				Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME	No.	DATE	Job No.	226/92C/2361416
A	Issued For Construction							92C/07	0.71	2.55	12.29	92C/08	CIVIL	JULIANNE A PARKES	07746	26/04/2024	Contract No.	CN-22813
	Revisions/Descriptions				Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title	Date											Drawing No.	944571 B
CAD FILES G:\CAD\DESIGN\Projects\226\92C\ROSI – Package 10\ACAD\Drawings_Stage 1\03_WP-Working Plan.dwg								Through Chainage from (92C) 61.75km – 64.30km									Series Number	WP-06 of 16

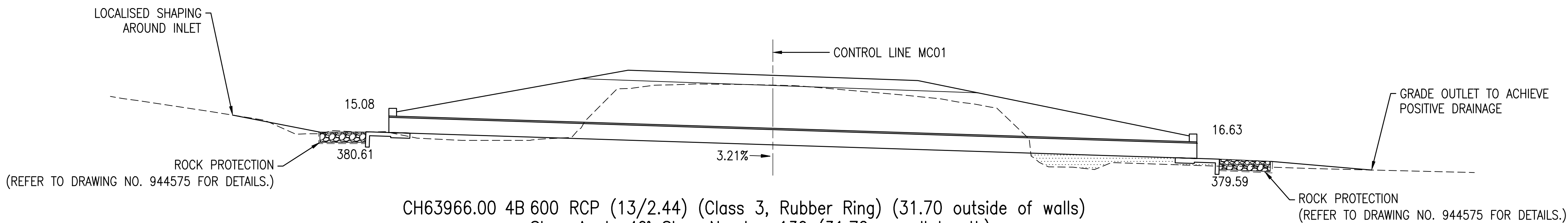
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				Associated Job Nos 2361416	Survey Data		Scales Hor Ver Dimensions shown in metres except where shown otherwise	ETHERIDGE SHIRE COUNCIL (226)				WORKING PLAN STAGE 1 SHEET 7 OF 7				Queensland Government				
E				Horiz. Datum	GDA2020	GULF DEVELOPMENTAL ROAD (92C)														
D				Auxiliary Drg Nos	Horiz. Grid	GDA2020 MGA 55		CTL CHGE 61750 – 64300												
C					Height Datum	AHD DERIVED		Reference Points												
B	Page Removed	Steven L Carr – Civil – RPEQ 25908	18/12/2024	944561 – 944576			Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME	No.	DATE	Job No.	226/92C/2361416			
A	Issued For Construction												CIVIL	JULIANNE A PARKES	07746	26/04/2024	Contract No.	CN-22813		
	Revisions/Descriptions		Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title	Date			92C/07	0.71	2.55	12.29	92C/08					Drawing No.	944572 B			
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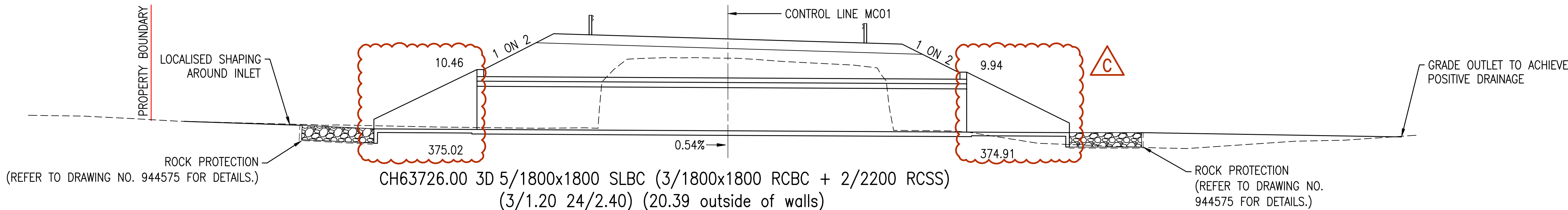
- NOTES:**
- Refer to Drg. No. 944563 for Typical Section – Culvert Replacement for Details.
 - Refer to Drg. No. 944575 for Drainage Schedule and Rock Protection Details.

F				Associated Job Nos 2361416	Survey Data		Scales 01234m	ETHERIDGE SHIRE COUNCIL (226)					DRAINAGE SECTION DETAILS SHEET 1 OF 3				 Queensland Government		
E					Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)											
D					Auxiliary Drg Nos 944561 – 944576	Horiz. Grid		GDA2020 MGA 55	CTL CHGE 61750 – 64300										
C						Height Datum		AHD DERIVED	Reference Points										
B	Updated Size Of Culvert Crossings		Steven L Carr – Civil – RPEQ 25908	18/12/2024		Survey Books	103975	Dimensions shown in metres except where shown otherwise					ENGINEERING CERTIFICATION (RPEQ)				Job No.	226/92C/2361416	
A	Issued For Construction						Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME		No.	DATE	Contract No.	CN-22813	
	Revisions/Descriptions		Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title	Date			92C/07	0.71	2.55	12.29	92C/08	CIVIL	JULIANNE A PARKES		07746	26/04/2024	Drawing No.	944573 B	
CAD FILES G:\CAD\DESIGN\Projects\226\92C\ROSI – Package 10\ACAD\Drawings_Stage 1\04_DR-Drainage Plan.dwg						Through Chainage from (92C) 61.75km – 64.30km										Series Number	DR-01 of 16		



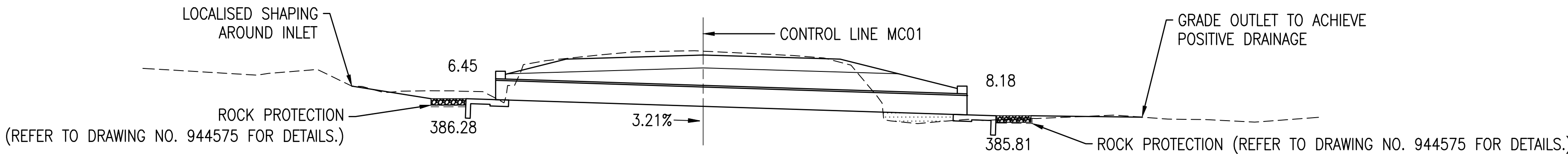
CH63966.00 4B 600 RCP (13/2.44) (Class 3, Rubber Ring) (31.70 outside of walls)
Skew Angle 40° Skew Number 130 (31.72 overall length)
Reinforced Conc. Footing 0.5m³, Headwall 1.0m³, Apron 0.5m³, C/O Wall 0.3m³
Overlay Material 22.7m³
Bedding/Haunch Material 7.1m³ (H2)
Standard Drawings – 1305, 1359
Basis for dimensions:
External Dia. 699mm, Pipe Thick. 51mm, Headwall Ht. 300mm
Exposure Classification: B2

4A EXIST. 1/600 RCP (#64714)
REMOVE COMPLETE



CH63726.00 3D 5/1800x1800 SLBC (3/1800x1800 RCBC + 2/2200 RCSS)
(3/1.20 24/2.40) (20.39 outside of walls)
ADR 'Amber' mapped waterway.
Wingwalls (Left W1/W2 4.8, α 30°, β 30°) (Right W1/W2 4.8, α 30°, β 30°)
Reinforced Conc. Base 39.3m³, Apron 15.5m³, C/O Wall 1.9m³, Headwall 2.2m³, Wingwalls 15.4m³
Backfill Material 149.0m³
Standard Drawings – 1250, 1271, 1359
Basis for dimensions: External Box Wd. 2089mm, Internal Ht. 1829mm, Deck Thick. 215mm
Leg Thick. 130mm, Headwall Ht. 275mm, Base Thick. 190mm
Slab Link Span 2200mm, Slab Link Thick. 200mm
Exposure Classification: B2

3C EXIST. 3/2100x1800 RCBC (#39700)
REMOVE COMPLETE



CH63316.00 3B 600 RCP (6/2.44) (Class 3, Rubber Ring) (14.62 outside of walls)
Reinforced Conc. Footing 0.5m³, Headwall 0.8m³, Apron 0.5m³, C/O Wall 0.3m³
Overlay Material 8.7m³
Bedding/Haunch Material 4.2m³ (H2)
Standard Drawings – 1305, 1359
Basis for dimensions:
External Dia. 699mm, Pipe Thick. 51mm, Headwall Ht. 230mm
Exposure Classification: B2

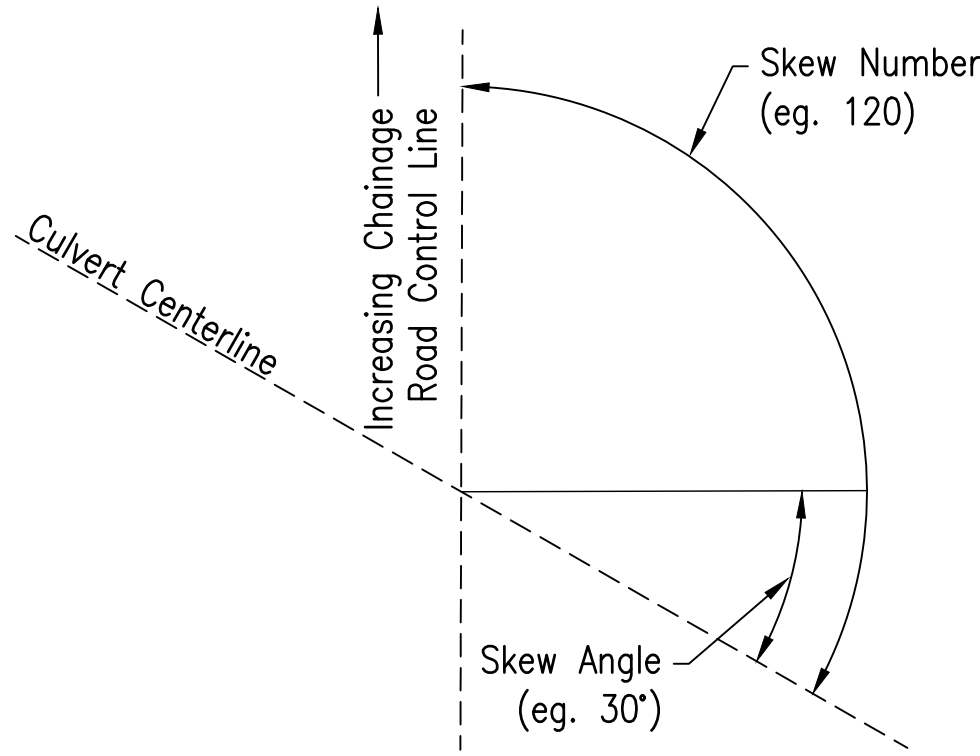
3A EXIST. 1/375 RCP (#64713)
REMOVE COMPLETE

- NOTES:**
- Refer to Drg. No. 944563 for Typical Section – Culvert Replacement for Details.
 - Refer to Drg. No. 944575 for Drainage Schedule and Rock Protection Details.

F			Associated Job Nos 2361416	Survey Data		Scales 01234m Dimensions shown in metres except where shown otherwise	ETHERIDGE SHIRE COUNCIL (226)				DRAINAGE SECTION DETAILS SHEET 2 OF 3				Queensland Government Job No. 226/92C/2361416 Contract No. CN-22813 Drawing No. 944574 C Series Number DR-02 of 16
E				Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)								
D				Auxiliary Drg Nos 944561 – 944576	Horiz. Grid		GDA2020 MGA 55	CTL CHGE 61750 – 64300							
C					Height Datum		AHD DERIVED	Reference Points							
Add Missing Culvert Wingwalls (3D)								Steven L Carr – Civil – RPEQ 25908	16/05/2025	Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	
B					Updated Size Of Culvert Crossings		Steven L Carr – Civil – RPEQ 25908	18/12/2024	92C/07	0.71	2.55	12.29	92C/08		
A				Issued For Construction			Through Chainage from (92C) 61.75km – 64.30km								
Revisions/Descriptions				Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title			Date			ENG. AREA		SIGNATORY FULL NAME		No.	
CAD FILES			G:\CAD\DESIGN\Projects\226\92C\ROSI – Package 10\ACAD\Drawings_Stage 1\04_DR-Drainage Plan.dwg						CIVIL		JULIANNE A PARKES		07746	26/04/2024	

DRAINAGE SCHEDULE

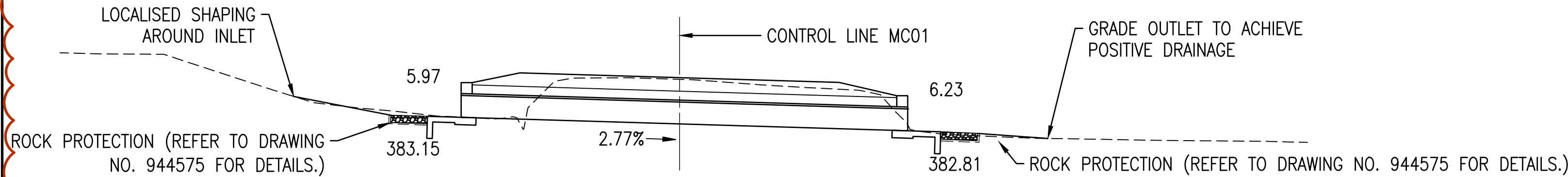
Culvert						Base Slab / Footing			Headwall		Apron		Cutoff Wall	Wingwall 1			Wingwall 2			Blinding	Excavation (m³)	Backfill			Filters		Scour Protection						
Alignment	Chainage	Skew	ID	Structure	Exp	Concrete	Rebar	Fabric		Concrete	Rebar	Concrete	Rebar	Concrete	Length	Concrete	Rebar	Length	Concrete	Rebar	Concrete	Culvert	Overlay	Fill	Foundation	Block	Strip	Rock Length	Rock Size (d50)	Rock Depth	Rock Width	GeoTextile	Rock Protection Volume
	(m)	No.			Class	(m³)	(kg)	(m²)	Type	(m³)	(kg)	(m³)	(kg)	(m³)	(m)	(m³)	(kg)	(m)	(m³)	(kg)	(m³)		(m³)	(m³)	(m³)	Count	Count	(m)	(mm)	(mm)	(m)	(m²)	(m³)
MC01	61811.8	90	1B	2/1500 RCP (18/2.44)	B2	2.0	42.5	4.1	SL81	2.5	143.1	14.3	1288.3	1.4	L 7.0 @ 30° R 7.0 @ 30°	6.4	530.1	L 7.0 @ 30° R 7.0 @ 30°	6.4	394.5	5.4	318.7	70.8	12.1	45.3		4	0	n/a	n/a	n/a	n/a	n/a
MC01	61989.2	135	1D	900 RCP (11/2.44)	B2	0.6	13.5	1.2	SL81	0.7	53.9	4.0	391.8	0.8	L 7.1 @ 15° R 7.1 @ 15°	3.9	411.4	L 2.9 @ 30° R 2.9 @ 30°	1.6	162.8	1.6	91.3	28.7	6.6	12.4		4	0	n/a	n/a	n/a	n/a	n/a
MC01	62715.4	85	2B	2/2100x2100 RCBC (18/2.40)	B2	25.5	1282.6	200.2	RL1218	0.8	84.5	10.0	936.8	1.3	L 5.4 @ 30° R 5.4 @ 30°	10.9	1408.5	L 4.6 @ 30° R 4.7 @ 30°	9.4	849	9.7	396.5		110.9		8	4	6.3	500	1000	12.1	136.8	136.8
MC01	63316.0	90	3B	600 RCP (6/2.44)	B2	0.5	12.7	1.8	SL92	0.8	9.7	0.5	51.3	0.3							0.2	26.4	8.7		4.2		1	100	200	2.5	4.1	0.8	
MC01	63726.0	90	3D	5/1800x1800 SLBC (3/1.20 24/2.40)	B2	39.3	1084.7	206.6	RL1218	2.2	241.1	15.5	1388.0	1.9	L 4.8 @ 30° R 4.8 @ 30°	7.7	825.0	L 4.8 @ 30° R 4.8 @ 30°	7.7	605	16.1	487.7		149		20	4	3	300	600	15.3	88.3	53.0
MC01	63966.0	130	4B	600 RCP (13/2.44)	B2	0.5	10.4	2.0	SL92	1.0	10.1	0.5	54.3	0.3							0.3	48.1	22.7		7.1		1	200	400	2.7	4.6	1.8	
MC01	64114.0	90	4D	600 RCP (5/2.44)	B2	0.5	12.7	1.8	SL92	0.9	9.7	0.5	51.3	0.3							0.2	20.3	7.1		3.5		1	100	200	2.5	4.1	0.8	
Total Quantities						73.1	2459.1			8.9	552.1	45.3	4161.8	6.3		28.9	3175		25.1	2011.3	48.90	1389	138	278.6	72.5	28	16					237.9	193.2
Total Fabric (Area / Type)						5.3 / SL81 406.8 / RL1218 5.6 / SL92																											



SKREW END LINK SLAB DETAIL
NTS

NOTES:

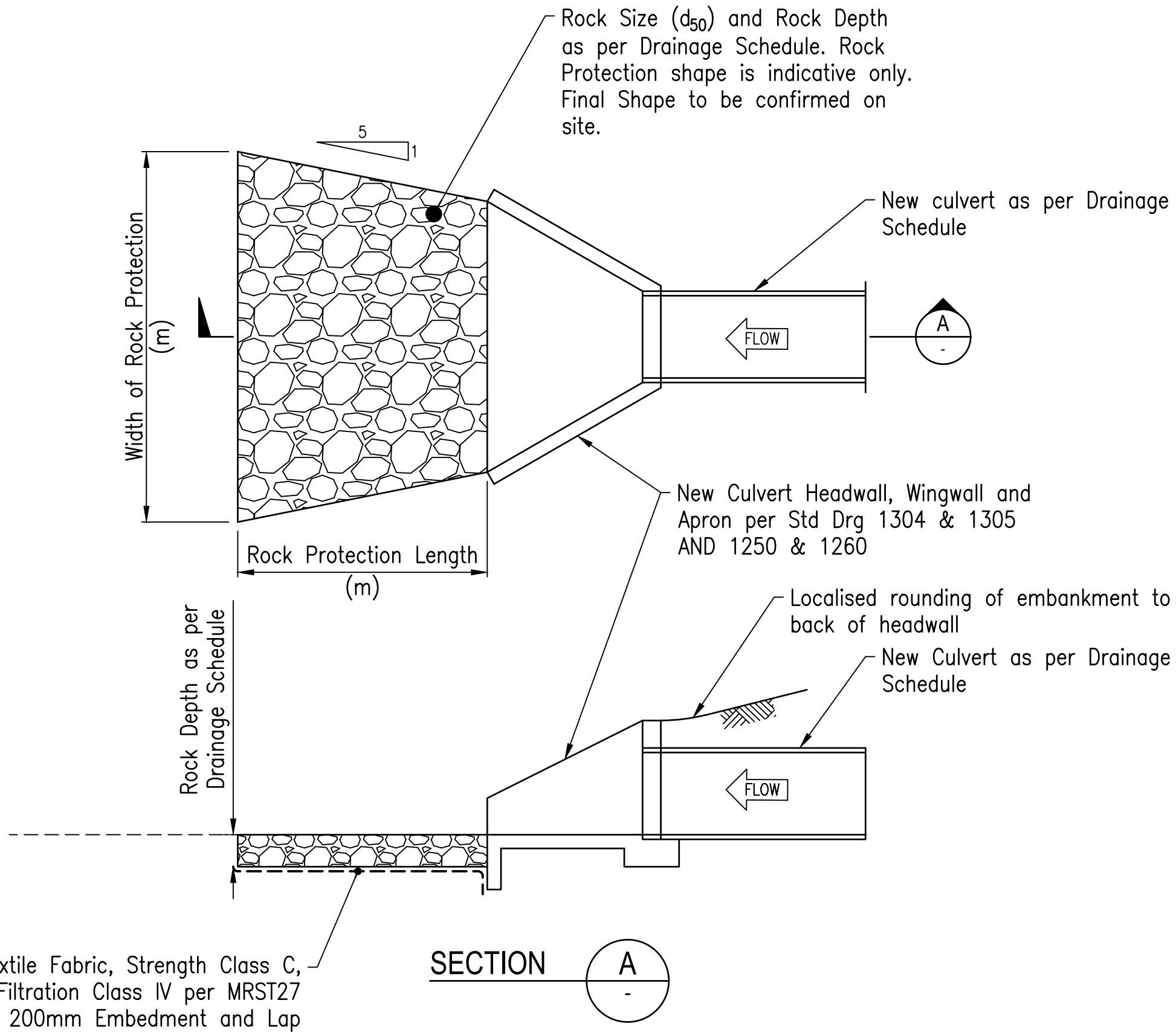
- Contractor to Stiff Broom finish Aprons and Base Slab of Culvert for Fish Passage on "Amber" Waterways (Culvert 2B and 3D) as per TMR Std Dwg. SD1271.
- Contractor to place rock to suit shape and conditions as directed by the Administrator.



CH64114.00 4D 600 RCP (5/2.44) (Class 3, Rubber Ring) (12.18 outside of walls)

Reinforced Conc. Footing 0.5m³, Headwall 0.9m³, Apron 0.5m³, C/O Wall 0.3m³
Overlay Material 7.1m³
Bedding/Haunch Material 3.5m³ (H2)
Standard Drawings – 1305, 1359
Basis for dimensions:
External Dia. 699mm, Pipe Thick. 51mm, Headwall Ht. 300mm
Exposure Classification: B2

4C EXIST. 1/375 RCP (#64715)
REMOVE COMPLETE



CULVERT SCOUR PROTECTION - TYPICAL DETAILS
NTS

F				Associated Job Nos	Survey Data		Scales 01234m Dimensions shown in metres except where shown otherwise	ETHERIDGE SHIRE COUNCIL (226)				DRAINAGE SECTION DETAILS AND TABLE				 Queensland Government
E				2361416	Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)				SHEET 3 OF 3				
D				Auxiliary Drg Nos	Horiz. Grid	GDA2020 MGA 55		CTL CHGE 61750 – 64300				ENGINEERING CERTIFICATION (RPEQ)				
C	Revised Culvert 4D, Updated Drainage Schedule	Steven L Carr – Civil – RPEQ 25908	16/05/2025	944561 – 944576	Height Datum	AHD DERIVED		Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME	No.	
B	Updated Size Of Culvert Crossings	Steven L Carr – Civil – RPEQ 25908	18/12/2024		Survey Books	103975	92C/07	0.71	2.55	12.29	92C/08	CIVIL	JULIANNE A PARKES	07746	26/04/2024	
A	Issued For Construction														Job No.	226/92C/2361416
	Revisions/Descriptions	Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title		Date											Contract No.	CN-22813
CAD FILES		G:\CAD\DESIGN\Projects\226\92C\ROSI – Package 10\CAD\Drawings_Stage 1\04_DR-Drainage Plan.dwg													Drawing No.	944575 B
							Through Chainage from (92C) 61.75km – 64.30km								Series Number	DR-03 of 16

SIGNAGE SCHEDULE

SIGN NO.	SIGN CODE	EASTING	NORTHING	CHAINAGE	LHS/RHS	SIGN DETAILS						STIFFENER DETAILS				SUPPORT DETAILS					SUPPORT LENGTH	FOOTING DETAILS		REMARKS
						SIGN DESCRIPTION	WIDTH (Mm)	DEPTH (Mm)	AREA (M2)	OFFSET (FROM ROAD SHOULDER EDGE (Mm))	ROAD HEIGHT (Mm)	TYPE	NO.	SPACING (Mm)	No. OF BRACKETS	TYPE	NO.	DIMENSION (Mm NB)	WALL THICKNESS (Mm)	BASE		POST	DIA. (Mm)	
S1	W4-3	188130.097	7985126.974	61519.000	LHS	WARNING SIGN: ROAD NARROWS	-	-	-	EX	EX	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE EXISTING SIGN AND STORE ON SITE TO BE REINSTALLED AT NEW LOCATION
S2	-	188271.079	7984987.621	61716.330	RHS	TOURIST SIGN: COPPERFIELD GORGE	-	-	-	EX	EX	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
S3	-	188302.912	7984984.097	61743.230	LHS	PROJECT SIGN	-	-	-	1000	1800	-	-	-	-	-	-	-	-	-	-	-	-	INSTALL NEW SIGN
S4	W4-3 (INVERTED)	188409.345	7984877.979	61892.800	RHS	WARNING SIGN: ROAD WIDENS	-	-	-	EX	EX	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE EXISTING SIGN AND STORE ON SITE TO BE REINSTALLED AT NEW LOCATION
S5	W4-3	190494.632	7984272.438	64095.500	LHS	WARNING SIGN: ROAD NARROWS	750	750	0.56	1000	1800	1	2	300	2	CHS	1	50	2.9	RIGID	3600	300	450	INSTALL EXISTING SIGN AT NEW LOCATION
S6	-	190651.757	7984177.539	64280.200	LHS	PROJECT SIGN	-	-	-	1000	1800	-	-	-	-	-	-	-	-	-	-	-	-	INSTALL NEW SIGN
S7	W4-3 (INVERTED)	190739.248	7984102.392	64393.200	RHS	WARNING SIGN: ROAD WIDENS	750	750	0.56	1000	1800	1	2	300	2	CHS	1	50	2.9	RIGID	3600	300	450	INSTALL EXISTING SIGN AT NEW LOCATION

LEGEND FOR PAVEMENT MARKING

(Unlabelled dimensions are in millimetres.)

LONGITUDINAL LINES

BARRIER LINES

ONE DIRECTION BL-L/R

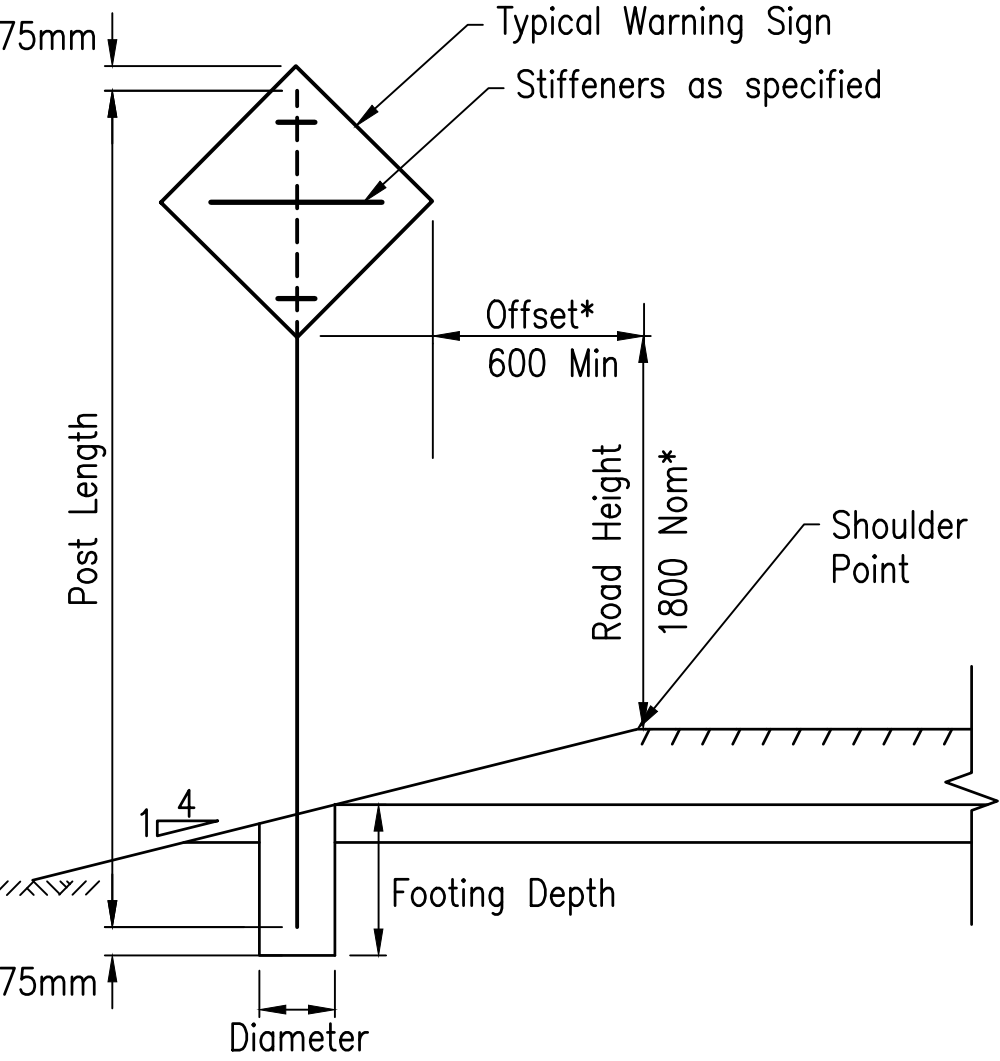
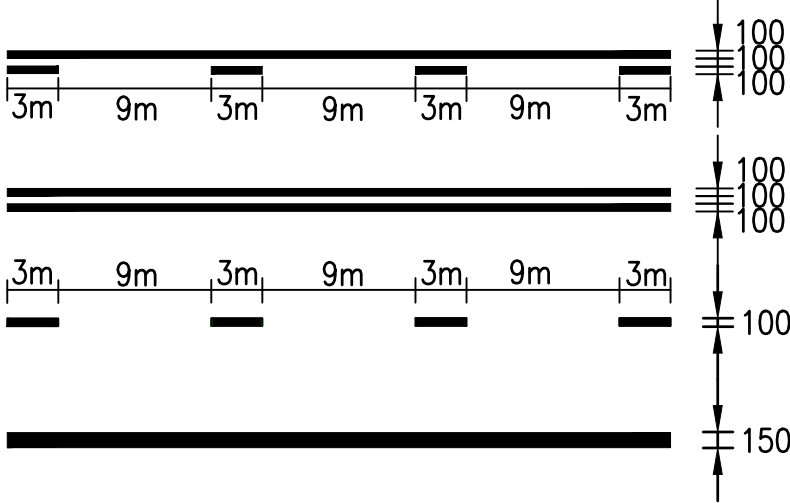
BOTH DIRECTIONS DBL

LANE LINES

BROKEN LL

EDGE LINES

EL



SINGLE POST SIGNS DETAIL

NTS

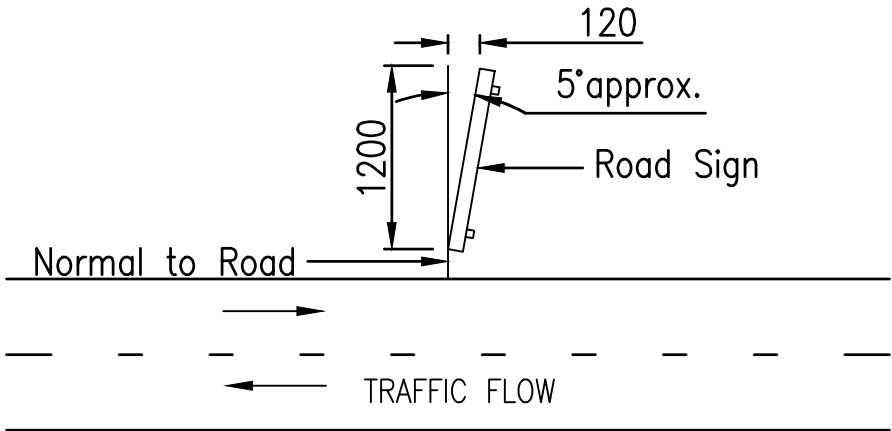
(Dimension in millimetres)

(Some Rigid Supports may have multiple footings)

Note: Where Supplementary Plates are added below warning signs, Road Height is to Bottom Corner of Supplementary Plate.

NOTES

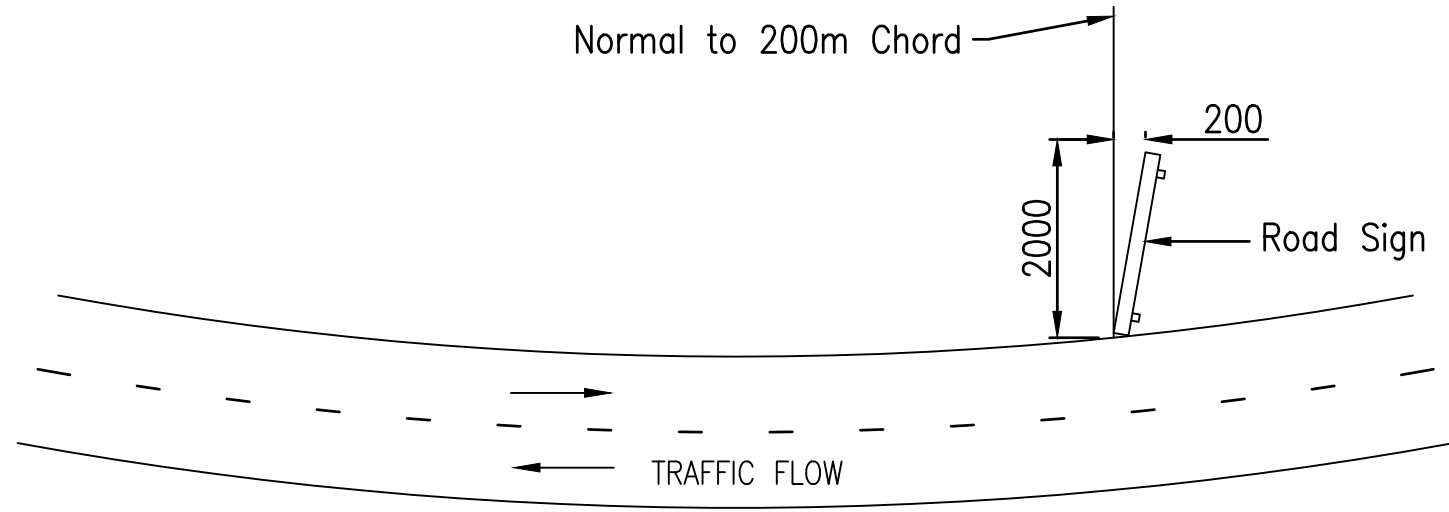
- ALL PAVEMENT MARKING, RAISED PAVEMENT MARKERS AND ROAD EDGE GUIDE POSTS, SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND DESIGN DRAWINGS.
- LATERAL SPACING BETWEEN EDGE OF LINE AND EDGE OF RRPM MUST BE IN THE RANGE OF 25MM (MIN.) TO 50MM (MAX.).
- CONTRACTOR TO INSTALL TEMPORARY RAISED REFLECTORISED PAVEMENT MARKERS (T.R.R.P.M'S) IN ACCORDANCE WITH MTRS45 AND MTRS45-1 (ANNEXURE).
- CONTRACTOR IS TO SPOT ALL LONGITUDINAL LINES IN ACCORDANCE WITH MRTS45 AND MRTS45-1 (ANNEXURE).
- ALL EXISTING SIGNS TO REMAIN UNLESS SHOWN OTHERWISE. REMOVE AND RE-ERECT EXISTING SIGNS ONLY IN CASE OF INTERFERENCE WITH CONTRACTOR'S CONSTRUCTION ACTIVITIES.
- SIGNS TO BE INSTALLED IN ACCORDANCE WITH MRTS14 AND STANDARD DRAWINGS 1363 AND 1368 and MUTCD.
- CONTRACTOR TO ENSURE SIGNS ARE INSTALLED AT 5° OR ONE TENTH OF THE WIDTH OF THE SIGN FROM THE NORMAL TO TRAFFIC FLOW (SEE DETAILS THIS PLAN) OR AS DIRECTED BY THE ADMINISTRATOR IN PARTICULAR SITUATIONS.
- COLOUR OF TEMPORARY RRPM'S SHALL COMPLY WITH TABLE 5.3 OF MUTCD. (EG. YELLOW TRRPM ON CENTRE LINES OR EDGE LINE (RHS) FOR DIVIDED ROADS).
- REDUNDANT LINE MARKING TO BE REMOVED BY ABRASIVE METHOD OR SEALED AS DIRECTED BY THE ADMINISTRATOR.
- REFER TO MRTS FOR TEMPORARY PROJECT SIGNAGE.



SIGN ORIENTATION ON STRAIGHT

NTS

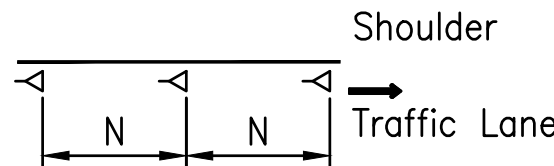
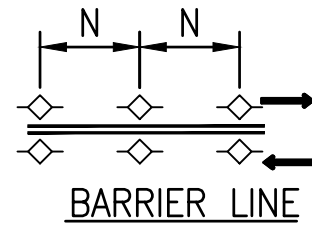
Note: Sign is rotated away from the normal approximately 5 degrees or one tenth of the width of the sign. On RIGHT-HAND curves the sign is placed ON the normal to the road at sign position.



SIGN ORIENTATION ON LEFT-HAND CURVES

NTS

RETRO-REFLECTIVE RAISED PAVEMENT MARKERS (RRPM'S)



Match position with edge line for opposite traffic direction.

EDGE LINE

LEGEND

- Traffic Flow
- ◁ Unidirectional RRPM, Red
- ◇ Bidirectional RRPM, Yellow

NOTES

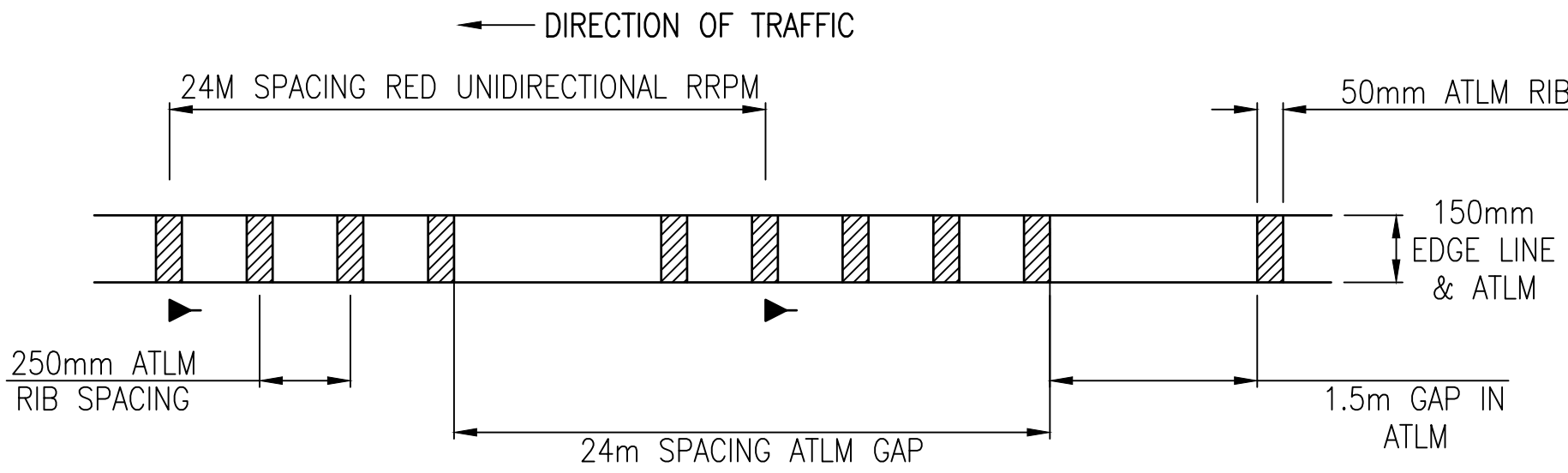
- For RRPM's adjacent solid lines, lateral spacing between edge of line and edge of RRPM must be in range of 25mm (min.) to 50mm (max.).
- Spacings shown are maximum only and may be adjusted to allow even gaps between RRPM's.
- Reduced spacing as necessary to ensure that at least two consecutive RRPM's remain in drivers view.
- Spacing: N=24m.
- RRPM's shown are not to scale.



W4-3



W4-3 (INVERTED)



ATLM ON EDGE LINE DETAIL

NTS

NOTES

- ATLM's to be placed on Centreline and Edge Lines for full Length of the Project.
- Edge Line, Centre Double Barrier Line and Centre one-way Barrier Line ATLM's and RPDM's are to be placed in accordance with AS1742.2 and MUTCD Part 2 Clause 5.

F				Associated Job Nos 2361416	Survey Data		Scales	ETHERIDGE SHIRE COUNCIL (226)					MISCELLANEOUS DETAILS				 Queensland Government								
E					Horiz. Datum	GDA2020		GULF DEVELOPMENTAL ROAD (92C)																	
D					Horiz. Grid	GDA2020 MGA 55		CTL CHGE 61750 – 64300																	
C					Auxiliary Drg Nos 944561 – 944576	Height Datum		AHD DERIVED	Reference Points					ENGINEERING CERTIFICATION (RPEQ)				Job No.	226/92C/2361416						
B						Survey Books		103975	Dimensions shown in metres except where shown otherwise					Preceding RP	Dist. to start of job (km)	From start to end of job		From end to Following RP	Following RP	ENG. AREA	SIGNATORY FULL NAME	No.	DATE	Contract No.	CN-22813
A	Issued For Construction																						Drawing No.	944576	A
	Revisions/Descriptions		Signatory: – RPEQ Full Name, Eng. Area and RPEQ No. or – Full Name and Position Title		Date																			Series Number	MSC-01 of 16
CAD FILES		G:\CAD\DESIGN\Projects\226\92C\ROSI – Package 10\ACAD\Drawings_Stage 1\05_MSC_Misc Details.dwg																							
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