

Identifier	Type	Classification	Details	Location Details	Suburb	Time Logged	Road	Event Status	District	Assigned To	Time Logged (Date Time Logged (Time)
NR											
22SIT045052I	Crash	Primary Crash	202 - Single Vehicle Crash, 1 x Car	Clagiraba Rd	CLAGIRAB/	28/10/2022 16:59	BEAUDESERT NERANG ROAD	Completed	TMR Production	Loading...	28/10/2022 16:59
23SIT001882I	Crash	Primary Crash	202 - Single Vehicle Crash, 1x Car	Intersection with Clagiraba Road	CLAGIRAB/	17/01/2023 18:15	BEAUDESERT NERANG ROAD	Completed	TMR Production	James Waller [STMC]*	17/01/2023 18:15
23SIT002127I	Crash	Primary Crash	202 - Multi Vehicle Crash x 3 Cars	West of Clagiraba Rd	CLAGIRAB/	19/01/2023 9:22	BEAUDESERT NERANG ROAD	Completed	TMR Production		19/01/2023 9:22
NR											
23SIT046498I	Crash	Primary Crash	202 - Multi Vehicle Crash - 1x Car 1x Truck (Claims Sent)	Intersection with Clagiraba Road	CLAGIRAB/	6/12/2023 19:28	BEAUDESERT NERANG ROAD	Completed	TMR Production		6/12/2023 19:28
NR											
24SIT032633I	Crash	Primary Crash	202 - Single Vehicle Crash - 1x Car	Near Clagiraba Road	CLAGIRAB/	13/09/2024 14:47	BEAUDESERT NERANG ROAD	Completed	TMR Production		13/09/2024 14:47
24SIT034987I	Crash	Primary Crash	202 - Crash - 2x Cars	South of Clagiraba Rd	CLAGIRAB/	2/10/2024 16:05	BEAUDESERT NERANG ROAD	Completed	TMR Production		2/10/2024 16:05

From: [Jorge M Ibanez-Formas](#)
To: [SCR Program Controls](#)
Cc: [Helen S Sundy](#); [Alicia F Finch](#)
Subject: FW: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba
Date: Wednesday, 26 April 2023 12:37:00 PM
Attachments: [image001.png](#)
[New Project Details - Delivery 2022-23_Beaudesert-Nerang Rd \(202\)_Clagiraba.docx](#)

Hi Helen.

I've attached a New Project details form, completed with as much information available to me.

The P&M team may need to adjust funding splits and milestones - I hope it's enough to get the ball rolling.

Cheers.

Kind regards,

Jorge Ibanez-Formas
Senior Officer (Traffic Investigations) | South Coast Region
Traffic Engineering Practice | Department of Transport and Main Roads

Nerang - Gold Coast Office | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 55636547 | F: (07) 55636611
M: [NR](#)
E: jorge.m.ibanez-formas@tmr.qld.gov.au
W: www.tmr.qld.gov.au

From: Jorge M Ibanez-Formas
Sent: Monday, 24 April 2023 10:35 AM
To: SCR Program Controls <SCR_PC@tmr.qld.gov.au>
Subject: RE: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba

Hi Helen.

Will do – thanks.

Kind regards,

Jorge Ibanez-Formas
Senior Officer (Traffic Investigations) | South Coast Region
Traffic Engineering Practice | Department of Transport and Main Roads

Nerang - Gold Coast Office | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 55636547 | F: (07) 55636611
M: [NR](#)
E: jorge.m.ibanez-formas@tmr.qld.gov.au
W: www.tmr.qld.gov.au

From: SCR Program Controls <SCR_PC@tmr.qld.gov.au>
Sent: Monday, 24 April 2023 10:33 AM
To: Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>
Subject: RE: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba

Hi Jorge,

Can you please fill in the attached project creation form and send back to me so I can process the new project and PCR in the system;

Thanks heaps

Kind Regards

Helen Sundy
A/Program Advisor | Program Controls | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

P: 07 5563 6488
Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
helen.s.sundy@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>

Sent: Friday, 21 April 2023 3:40 PM
To: SCR Program Controls <SCR_PC@tmr.qld.gov.au>
Subject: FW: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba

Good afternoon team.

Funding for a submitted Fatal Crash Remediation proposal has been approved – please refer trail below. The approved amount is for \$425,196.

Could you please assist with this task?, i.e.:-

- “Could South Coast please raise the project in 3PCM and submit the PCR. Once the PCR is submitted, PIP (Kelli) will attach the TRSP – Fatal Crash Remediation bulk (2785938) to provide the required funding.”

Please let me know if you require any further information.

Kind regards,

Jorge Ibanez-Formas
Senior Officer (Traffic Investigations) | South Coast Region
Traffic Engineering Practice | Department of Transport and Main Roads

Nerang - Gold Coast Office | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 55636547 | F: (07) 55636611
M: [redacted]
E: jorge.m.ibanez-formas@tmr.qld.gov.au
W: www.tmr.qld.gov.au

From: Clifford J Wright <Clifford.J.Wright@tmr.qld.gov.au>
Sent: Friday, 21 April 2023 3:19 PM
To: Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>
Cc: Nicole L Woodman <Nicole.L.Woodman@tmr.qld.gov.au>; Dearne J Chisholm <dearne.j.chisholm@tmr.qld.gov.au>; Samantha U Taylor <Samantha.U.Taylor@tmr.qld.gov.au>; Kelli M Mullins <Kelli.M.Mullins@tmr.qld.gov.au>
Subject: RE: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba

Hi Jorge

You are right \$425,196 is the correct figure.

Thanks
Cliff

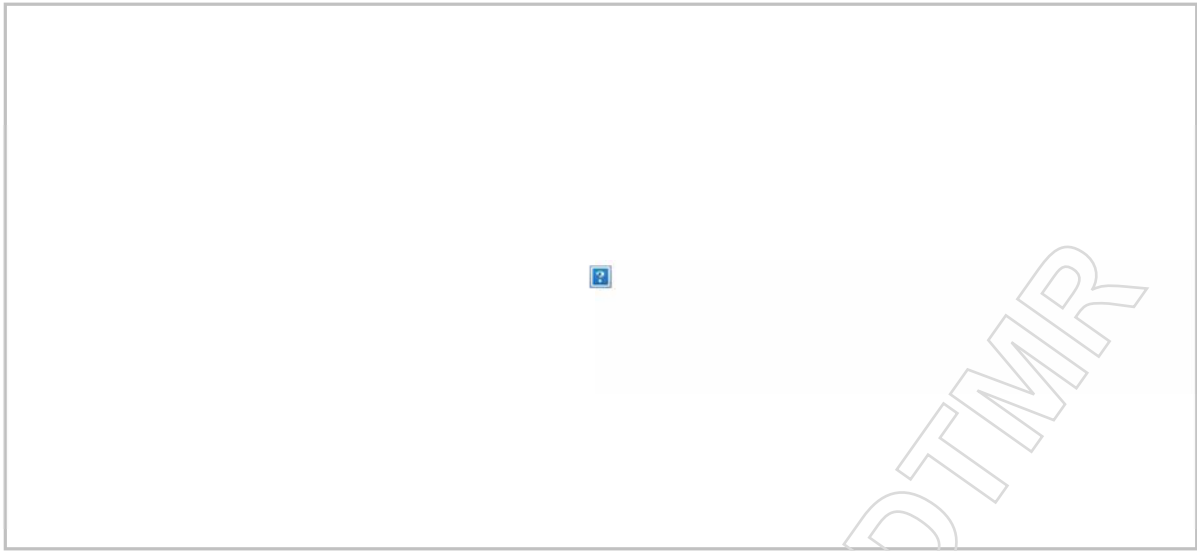
Cliff Wright
Principal Advisor | Targeted Road Safety Program | Road Safety Programs
Engineering and Technology | Infrastructure Management and Delivery | Department of Transport and Main Roads

Floor 13 | 61 Mary Street | Brisbane Qld 4000
PO Box 2595 | Brisbane Qld 4001
(07) 3066 2933
NR [redacted]
clifford.j.wright@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Clifford J Wright
Sent: Friday, 21 April 2023 3:09 PM
To: Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>
Cc: Nicole L Woodman <Nicole.L.Woodman@tmr.qld.gov.au>; Dearne J Chisholm <dearne.j.chisholm@tmr.qld.gov.au>; Samantha U Taylor <Samantha.U.Taylor@tmr.qld.gov.au>; Kelli M Mullins <Kelli.M.Mullins@tmr.qld.gov.au>
Subject: RE: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba

Hi Jorge

I took the cost from the BCR spreadsheet that was provided:



Thanks
Cliff

Cliff Wright
Principal Advisor | Targeted Road Safety Program | Road Safety Programs
Engineering and Technology | Infrastructure Management and Delivery | Department of Transport and Main Roads

Floor 13 | 61 Mary Street | Brisbane Qld 4000
PO Box 2595 | Brisbane Qld 4001
(07) 3066 2933

NR
clifford.j.wright@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Jorge M Ibanez-Formas <jorge.m.ibanez-formas@tmr.qld.gov.au>
Sent: Friday, 21 April 2023 2:58 PM
To: Clifford J Wright <Clifford.J.Wright@tmr.qld.gov.au>
Cc: Nicole L Woodman <Nicole.L.Woodman@tmr.qld.gov.au>; Dearne J Chisholm <dearne.j.chisholm@tmr.qld.gov.au>; Samantha U Taylor <Samantha.U.Taylor@tmr.qld.gov.au>; Kelli M Mullins <Kelli.M.Mullins@tmr.qld.gov.au>
Subject: RE: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba

Hi Cliff.

Thanks for the good news. We'll follow up to raise the project and submit the PCR.

Just checking – is the funding for \$426,195 (cost estimate) or \$434,606?

Kind regards,

Jorge Ibanez-Formas
Senior Officer (Traffic Investigations) | South Coast Region
Traffic Engineering Practice | Department of Transport and Main Roads

Nerang - Gold Coast Office | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 55636547 | F: (07) 55636611
M: NR
E: jorge.m.ibanez-formas@tmr.qld.gov.au
W: www.tmr.qld.gov.au

From: Clifford J Wright <Clifford.J.Wright@tmr.qld.gov.au>
Sent: Friday, 21 April 2023 2:50 PM
To: Jorge M Ibanez-Formas <jorge.m.ibanez-formas@tmr.qld.gov.au>
Cc: Nicole L Woodman <Nicole.L.Woodman@tmr.qld.gov.au>; Dearne J Chisholm <dearne.j.chisholm@tmr.qld.gov.au>; Samantha U Taylor <Samantha.U.Taylor@tmr.qld.gov.au>; Kelli M Mullins <Kelli.M.Mullins@tmr.qld.gov.au>
Subject: FW: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba

Hi Jorge

Nicole Woodman as TRSP IPM-S has approved Beaudesert – Nerang Road Fatal Crash Remediation submission for \$434,606 and has a BCR of 1.3.

Could South Coast please raise the project in 3PCM and submit the PCR. Once the PCR is submitted, PIP (Kelli) will attach the TRSP – Fatal Crash Remediation bulk (2785938) to provide the required funding.

Thanks
Cliff

Cliff Wright
Principal Advisor | Targeted Road Safety Program | Road Safety Programs
Engineering and Technology | Infrastructure Management and Delivery | Department of Transport and Main Roads

Floor 13 | 61 Mary Street | Brisbane Qld 4000
PO Box 2595 | Brisbane Qld 4001
(07) 3066 2933

personal
clifford.j.wright@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>
Sent: Wednesday, 19 April 2023 11:56 AM
To: Samantha U Taylor <Samantha.U.Taylor@tmr.qld.gov.au>; Clifford J Wright <Clifford.J.Wright@tmr.qld.gov.au>
Cc: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>; Alicia F Finch <alicia.f.finch@tmr.qld.gov.au>
Subject: Fatal Crash No. 20221860139: Beaudesert - Nerang Road (202), Clagiraba

Good morning Sam / Cliff.

Please find attached a completed & endorsed Fatal Crash Remediation proposal and nomination form for your review and consideration.

Road Name: Beaudesert – Nerang Road
Road No: 202
Location: Clagiraba
Crash Date: 28/10/2022
Crash No: 20221860139

Please let me know if you need any further information.

Kind regards,

Jorge Ibanez-Formas
Senior Officer (Traffic Investigations) | South Coast Region
Traffic Engineering Practice | Department of Transport and Main Roads

Nerang - Gold Coast Office | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 55636547 | F: (07) 55636611
M: NR
E: jorge.m.ibanez-formas@tmr.qld.gov.au
W: www.tmr.qld.gov.au

New Project Details

Delivery Projects

Project Details		New Project Number	
Project Name	Beaudesert – Nerang Road (202) – Clagiraba Road Intersection Safety Improvements		
Road Name	Beaudesert – Nerang Road		
Road Number	202	Local Road Name	Beaudesert – Nerang Road
Business Program	Targeted Road Safety Programs	Business Sub-Program	Fatal Crash Remediation (FCR)
Suburb	Clagiraba	Local Govt/District Wide	City of Gold Coast
Proximity Details to landmark	Tdist 36.600 km to 37.300 km (approximately 340 m south of Clagiraba Road to 360 m north of Clagiraba Road).		

Project Authority

Where are the funds coming from	Bulk <input checked="" type="checkbox"/>	Existing Project <input type="checkbox"/>	
Bulk Number/s to transfer from	2785938		
Project numbers to transfer funds from			If Project, Attach M3131

New Project Allocations

	2022/23	2023/24	2024/25	2025/26	Future	Total Allocation
CAPEX	\$	\$ 140,570	\$ 284,626	\$	\$	\$ 425,196
OPEX	\$	\$	\$	\$	\$	\$
Any Local Government Contribution?	\$		Contract Cost		\$ 202,149	
Any Agreed Developer Contributions?	\$		Other Department Costs (CATS, land, etc)		\$ 125,640	
Any Other State Agency Contributions	\$		Contingency		\$ 97,407	
Any Federal Government Contribution?	\$		Subsidy (Local Govt Grant)		\$	
Any Revenue?	\$		Total Project Cost		\$ 425,196	

Work Details

Description of Scope of Works	<ul style="list-style-type: none"> Relocation of an existing telecommunications pole impacting sight lines and currently located within the deflection zone of the existing W-beam guardrail. Installation of new special intersection warning signs as well as replacing a standard Stop sign with a new one with a target board to increase conspicuity. Vegetation clearing adjacent to the westbound lane from Clagiraba Road intersection to the east. Retrofitting TMR approved Motorcyclist Protection Device to existing guardrail.
-------------------------------	---

Work Type	<p>Project management activities including: -</p> <ul style="list-style-type: none"> • Risk workshop / Constructability review / Road Safety Audits • Develop design • Environment and Cultural heritage management • Management of Public Utility Services (identification, conflict management, relocations) • As built plans and road asset data update <p>Construction activities including: -</p> <ul style="list-style-type: none"> • Traffic management (planning, design, implementation, inspections) • General earthworks; clearing and grubbing (tree clearing / trimming) • Removal and salvage of road furniture; removal and re-erection of road furniture, e.g., supply and installation of regulatory, warning and hazard signs • Supply and install TMR approved Motorcyclist Protection Device to existing guardrail. • Landscape and revegetation works – installation of topsoil, hydromulch; erosion and sediment control. • Supply of As Constructed documents
-----------	---

Work Locations

No of work locations?	1		
Sites	Road Number	Start Distance	End Distance
Site 1	202	36.60 km (approximately)	37.30 km (approximately)
Site 2			
Site 3			

Delivery Methods & Dates

Method of Delivery	To be confirmed by Delivery Unit	Open Tender <input type="checkbox"/>	Sole Invitee <input type="checkbox"/>
Estimated Final Cost	\$425,196		
Anticipated Milestone Dates (for non P6 projects)		Blue shaded cell is mandatory Milestones	
Business Case Approved -- KM6		Construction Start – KM11	March 2024
Detailed Design Start – KM7	July 2023	Available for Use – KM12	June 2024
Detailed Design Complete – KM8	September 2023	PC Certificate Signed – KM13	April 2024
Procurement Start – KM9	November 2023	Financials Completed – KM16	May 2024
Contract Award – KM10	February 2024	Project Completed – KM17	June 2024

Comments & Notes

Comments / Notes	<ol style="list-style-type: none"> 1. Project method of delivery to be determined by Preservation and Maintenance team, South Coast Region, Infrastructure Management & Delivery. 2. Preservation & Maintenance team to confirm Anticipated Milestone Dates – the above (highlighted in yellow) are indicative only.
------------------	--

Additional Information

Project Manager	P&M Project Manager	Telephone	
Date		Signature	
Other Information	<p>Concept design has been prepared. Note that scope includes the relocation of an existing telecommunications pole.</p>		

Please note: - Completion of all fields is required
Although KM11,12 and 17 are mandatory, complete any other relevant key milestones
Please provide supporting documents

Fatal Crash Remediation Pro Forma

Date: 14/04/2023

Site Details:

<i>District / Region:</i>	South Coast Region
<i>Contact Officer / Phone No.:</i>	Jorge Ibanez – Formas
<i>Position:</i>	Senior Officer (Traffic Investigations)
<i>Phone No.:</i>	(07) 5563 6547
<i>Road Number:</i>	202
<i>Road Name:</i>	Beaudesert – Nerang Road
<i>Intersection No. (if applicable):</i>	N/A
<i>Intersection Name (if applicable):</i>	Clagiraba Road
<i>Start Tdist.:</i>	36.600 km approximately
<i>End Tdist.:</i>	37.300 km approximately

Investigation Details:

<i>Crash Date:</i>	28/10/2022
<i>Crash No.:</i>	20221860139
<i>Pursuit Reference:</i>	CL-2828

Project Proposal Details:

Background

This section of Beaudesert - Nerang Road runs from east to south-west through the rural locality of Clagiraba. It is predominantly a two-lane, two-way road with a posted speed limit of 90km/h at the crash location.

The horizontal geometry for the southbound approach along Beaudesert - Nerang Road to the crash location is straight for approximately 300m. The northbound approach along Beaudesert - Nerang Road to the crash location is straight for approximately 100m. The vertical geometry along Beaudesert Nerang Road consists of a crest in the southbound direction approaching the crash location. The roadside includes hazards such as timber power poles and steep embankments behind existing guardrail on the eastern side of the T-intersection with Clagiraba Road.

Analysis of RoadCrash 2 data identified three other crashes in the vicinity of the crash location (approximately 250m on either direction of the crash location) for the period 1st January 2017 to 31st October 2022.

Project Proposal Details:

Scope of Project (clearly identify which crash investigation recommendations are included):

- Relocation of an existing telecommunications pole impacting sight lines and currently located within the deflection zone of the existing W-beam guardrail.
- Installation of new special intersection warning signs as well as replacing a standard Stop sign with a new one with a target board to increase conspicuity.
- Vegetation clearing adjacent to the westbound lane from Clagiraba Road intersection to the east.
- Retrofitting TMR approved Motorcyclist Protection Device to existing guardrail.

<i>Project Cost:</i>	\$425,196
<i>Cost Estimate Attached:</i>	<input checked="" type="checkbox"/> Yes
<i>Nomination Form (with BCR calculation) attached:</i>	<input checked="" type="checkbox"/> Yes

Any further information relevant to the proposal:

- Appendix A: Crash Diagram
- Appendix B: Crash History (Crash Analytics Reporting System - CARS)
- Appendix C: Concept Sketch
- Appendix D: Cost Estimate
- Appendix E: Benefit Cost Ratio / Summary

RPEQ Endorsement:

I consider the proposed treatment is appropriate to help address the severity and/or likelihood of a reoccurrence of the fatal crash DCA code.

<i>Name:</i>	Derek Grant
<i>RPEQ Registration No.:</i>	08098
<i>Signature and Date:</i>	

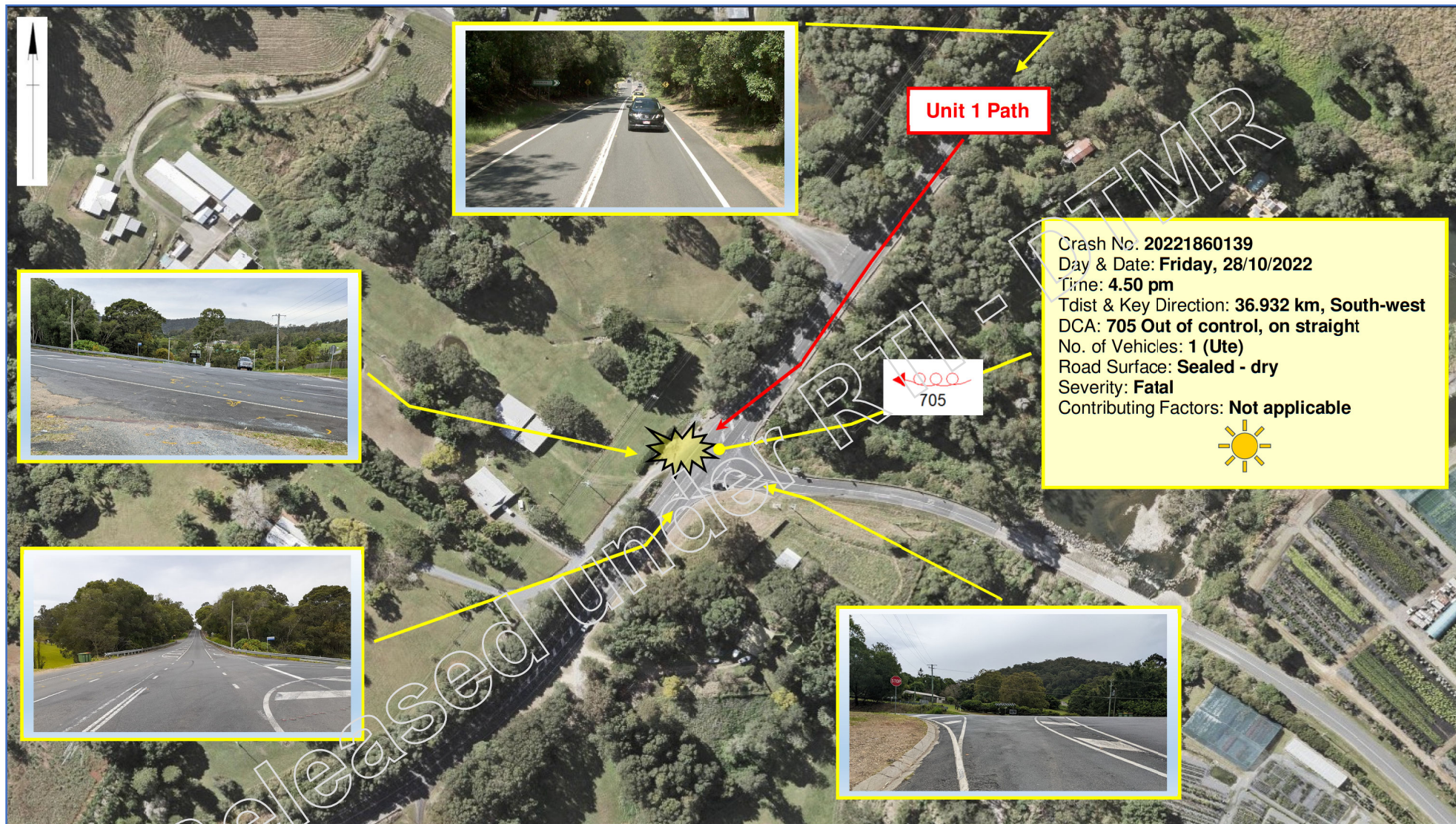
Regional Director and Deputy Regional Director Endorsement:

<i>RD Name:</i>	Andrew Wheeler
<i>Signature and Date:</i>	

<i>DRD Name:</i>	Belinda Stewart
<i>Signature and Date:</i>	

Appendix A – Crash Diagram

Released under RTI - DTMR



Unit 1 Path

Crash No. 20221860139
Day & Date: Friday, 28/10/2022
Time: 4.50 pm
Tdist & Key Direction: 36.932 km, South-west
DCA: 705 Out of control, on straight
No. of Vehicles: 1 (Ute)
Road Surface: Sealed - dry
Severity: Fatal
Contributing Factors: Not applicable



Aerial view of crash site location (Map source: MapInfo; DVR and site inspection photos)

Appendix B – Crash History (Crash Analytics Reporting System - CARS)

DCA Group	DCA Code / Description	Fatal	Hospitalisation	Medical Treatment	Minor Injury	Property Damage	Total Crashes
1	Intersection; from adjacent approaches	-	2	-	-	-	2
4	Rear-end	-	-	1	-	-	1
17	Out of control; on straight	1	-	-	-	-	1
Total		1	2	1	-	-	4

Crash Analytics Reporting System (CARS) - Crash Details Report (Confidential)

Crash Data Completeness

Please note the Department of Transport and Main Roads (TMR) Crash Analytics Reporting System has complete crash data from 1 January 1986 up to and including the following dates:

- Fatal crashes to 31 October 2022,
- Fatal crashes to 31 October 2022,
- Hospitalisation crashes to 30 June 2022,
- Hospitalisation crashes to 30 June 2022, and
- Medical treatment (PDO) crashes to 30 June 2022,
- Medical treatment crashes to 30 June 2022,
- Minor injury crashes to 30 June 2022,
- Minor injury crashes to 30 June 2022,
- Property damage only crashes to 31 December 2010,
- Property damage only crashes to 31 December 2010,

Report extracted: by Jorge.M.Ibanez-Formas@tmr.qld.gov.au on 24 March 2023 14:41

Total Number of Records: 4

Report Constraints:

- **Date Period:** from 01 January 2017 to 24 March 2023
- **Severity:** None selected
- **Geographic Boundary:** TMR Region (Program Delivery & Operations) of South Coast;
- **Road Environment:** None selected
- **Crash Type:** None selected
- **Crash Characteristic:** None selected
- **Road Name:** Road Name of Beaudesart - Nerang Road [202] (36.715 to 37.215);

TMR Contact Details:

Senior Manager (Data Analysis) DataAnalysis@tmr.qld.gov.au

The Crash Details Report is a **confidential** report to be used for official internal purposes by the organisation who extracted it.

Not Relevant

Pages 15 through 18 redacted for the following reasons:

Not Relevant

Released under RTI - DTMR



Fatal Crash: 202201860139

Crash Number:	202201860139	Units Involved:	2	Load Date:	22 March 2023 05:46
Severity:	Fatal	Fatalities:	1		
Date:	28 October 2022	Hospitalised:	2		
Time:	16	Medically Treated:	0		
Day:	Friday	Minor Injuries:	0		
Street:	Not applicable	Police Division:	Nerang	Latitude:	-27.988581
Street Int:	Beaudesert - Nerang Rd / Clagiraba Rd	Police Patrol Group:	Gold Coast Northern	Longitude:	153.243068
Landmark:	Unknown	Police District:	Gold Coast	Link:	Google Map
Suburb:	Clagiraba	Police Region:	South Eastern		
LGA:	Gold Coast City	CSB Region:	Seq South		
ABS SA2:	Guanaba - Springbrook	PDO District:	South Coast		
ABS SA3:	Gold Coast Hinterland	PDO Region:	South Coast		
ABS SA4:	Gold Coast	Road Section ID:	202		
ABS Rural/Urban:	Rural	Road Section:	Beaudesert - Nerang Road		
Authority:	State controlled	Thru Dist:	36.965		
Atmospheric:	Clear	Speed Limit:	90 km/h		
Lighting:	Daylight	Crash Nature:	Overtuned		
Road Surface:	Sealed (dry)	DCA Code:	705 [Off Path-Straight:Out Of Control On Cway]		
Horizontal Alignment:	Straight	DCA Group:	17 [Out of control; on straight]		
Vertical Alignment:	Dip	Roadway Feature:	T junction		
Impact Location:	On road	Traffic Control:	No traffic control		

Description:

personal information

Unit 1

Unit Type:	Utility/panel van	Registration Status:	Unknown	Occupants:	1
Controlled:	Yes	State Registered:	Queensland	Casualties:	3
Age:	<input type="text" value="P/I"/>	Intended Action:	Unknown	Unit Damage:	Unknown
Gender:	<input type="text"/>	Direction:	Unknown		

Licence Level: Not applicable
Licence State: Not applicable

On Street:

Unknown

Towing:

Towing 1 trailer

Dangerous Goods:

No

Contributing Circumstances:

99 [Not applicable]

Hit animal/object/cross median:

Casualty - Unit 1 - Occupant 1

Severity: Fatality
Road User: Car driver
Age: P/I
Gender:
Restraint: Unknown
Helmet: Unknown

Casualty - Unit 1 - Occupant 3

Severity: Hospitalised
Road User: Car passenger
Age: P/I
Gender:
Restraint: Restrained
Helmet: Not applicable

Casualty - Unit 1 - Occupant 4

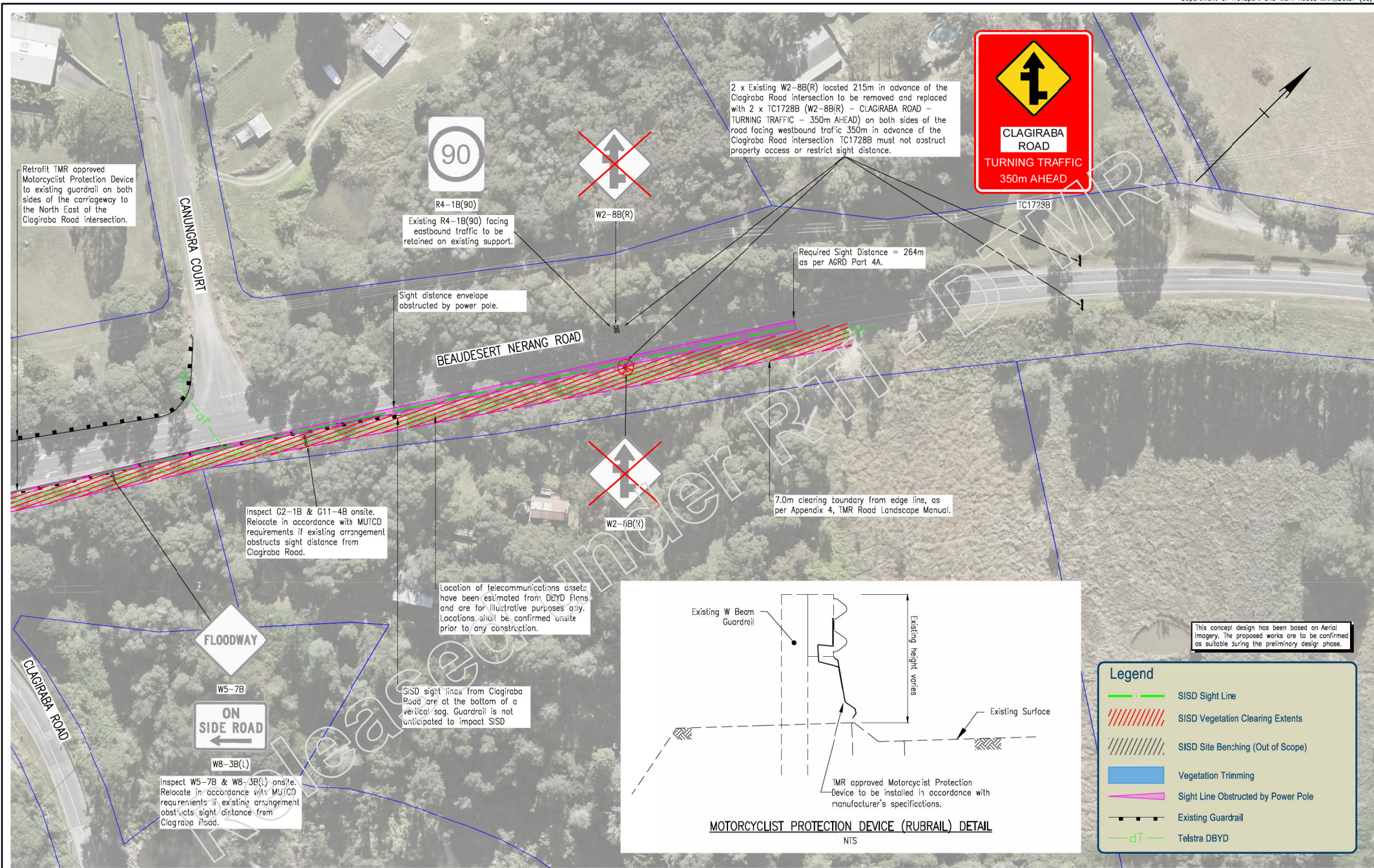
Severity: Hospitalised
Road User: Car passenger
Age: P/I
Gender:
Restraint: Restrained
Helmet: Not applicable

Date Extracted: 24 March 2023 14:41 - Extracted By: Jorge.M.Ibanez-Formas@tmr.qld.gov.au

Released under RTI - DTMR

Appendix C – Concept Sketch

Released under RTI - DTMR



Retrofit TMR approved Motorcyclist Protection Device to existing guardrail on both sides of the carriageway to the North East of the Clagiraba Road intersection.

R4-1B(90)
Existing R4-1B(90) facing eastbound traffic to be retained on existing support.

2 x Existing W2-8B(R) located 215m in advance of the Clagiraba Road intersection to be removed and replaced with 2 x TC1728B (W2-8B(R)) - CLAGIRABA ROAD - TURNING TRAFFIC - 350m AHEAD on both sides of the road facing westbound traffic 350m in advance of the Clagiraba Road intersection TC1728B must not obstruct property access or restrict sight distance.



Required Sight Distance = 264m as per AGRD Part 4A.

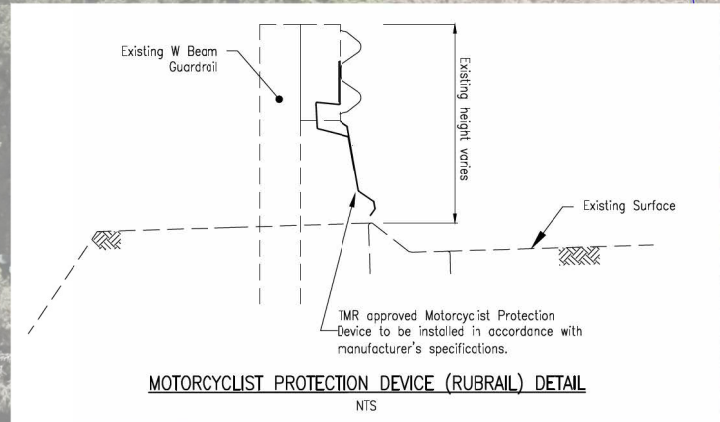
Sight distance envelope obstructed by power pole.

7.0m clearing boundary from edge line, as per Appendix 4, TMR Road Landscape Manual.

Inspect G2-1B & G11-4B onsite. Relocate in accordance with MUTCD requirements if existing arrangement obstructs sight distance from Clagiraba Road.

Location of telecommunications assets have been estimated from DBYD Flans and are for illustrative purposes only. Locations shall be confirmed onsite prior to any construction.

SIDS sight lines from Clagiraba Road are at the bottom of a vertical sag. Guardrail is not anticipated to impact SIDS



This concept design has been based on Aerial Imagery. The proposed works are to be confirmed as suitable during the preliminary design phase.

Legend

- SIDS Sight Line
- SIDS Vegetation Clearing Extents
- SIDS Site Benching (Out of Scope)
- Vegetation Trimming
- Sight Line Obstructed by Power Pole
- Existing Guardrail
- Telstra DBYD

Last Modified: 14 Apr 2023 - 8:03am ARSIS - X-Aerials.dwg; X-Layout.dwg; X-Documents; X-Drawings; X-Text; Signposting

<table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																										Associate Job Nos Survey Date Horiz. Datum Auxillary Drg Nos Horiz. Grid Height Datum Survey Books	Scales SCALE 1:500 (A1) Dimensions shown in metres except where shown otherwise	GOLD COAST CITY COUNCIL BEAUDESERT NERANG ROAD (202) CTL CHGE 36.600 - 37.300km Reference Points Preceding RP Dist to start of job (km) From start to end of job From end to Following RP Following RP	CLAGIRABA RD SIGHT DISTANCE ASSESSMENT CONCEPT DESIGN SHEET 2 OF 2 ENGINEERING CERTIFICATION (RPFQ) CONCEPT ONLY 14 April 2023	 Job No. 240/200/- Contract No. - Drawing No. SK-10021B Series Number 02 of 02
Revisions/Descriptions Signatory: - RPEQ Full Name, Eng. Area and RPEQ No. or Full Name and Position Title Date		CAD FILES G:\MRRD\Tech_Services\Design\Work_Request_V2\2023\O_TEP\202_Beaudesert_Nerang_Clagiraba\Acad\SR-1001-1002.dwg		Through Chaining from		Series Number 02 of 02																								

Appendix D – Cost Estimate

Released under RTI - DTMR

Project Cost Estimate

Safer Roads Sooner & Black Spot Nominations

Project Details

Project Number	TBA		
Road	Beaudesert - Nerang Road (202) / Intersection with Clagiraba Road.		
Project Description	Safety Improvements at a Fatal Crash Location.		
Project Location	Clagiraba	T-Dist	36.600 km - 37.300 km

Region	South Coast Region	Office	Nerang	Local Authority	City of Gold Coast
--------	--------------------	--------	--------	-----------------	--------------------

Estimate Stage	Concept	Date	14/04/2023
----------------	---------	------	------------

Total Project Cost

Activity Group	Previous Financial Years	Year 1 2023 / 2024 (\$, 000)	Year 2 2024 / 2025 (\$, 000)	Year 3 2025 / 2026 (\$, 000)	Year 4+ 2026 + (\$, 000)	Total (\$, 000)
Concept						
Proposal / Project Management	-	-	-	-	-	-
Survey	-	-	-	-	-	-
Pavement / Geotechnical Investigation	-	-	-	-	-	-
Public Utility Plant	-	-	-	-	-	-
Civil Design	-	-	-	-	-	-
Sub Total	-	-	-	-	-	-
Development						
Risk workshop	-	3,600	-	-	-	3,600
Road safety audits	-	2,500	-	-	-	2,500
Develop Stage 1 Design	-	17,190	-	-	-	17,190
Design development report	-	1,264	-	-	-	1,264
Constructability review	-	1,500	-	-	-	1,500
Cultural heritage	-	1,264	-	-	-	1,264
Review of environmental factors (REF)	-	1,264	-	-	-	1,264
Public Utility Plant identification (Qual A)	-	6,320	-	-	-	6,320
Public Utility Plant conflict management	-	1,264	-	-	-	1,264
PUP relocation design and relocation	-	2,528	-	-	-	2,528
Relocation of services - Telecommunications assets (Underground A)	-	40,500	-	-	-	40,500
Relocation of services - Telecommunications assets (Telstra Pole)	-	22,000	-	-	-	22,000
Management of Utility Services	-	3,792	-	-	-	3,792
Project Management -PUP relocations	-	1,264	-	-	-	1,264
	-	-	-	-	-	-
Sub Total	-	106,250	-	-	-	106,250
Implementation						
Construction	-	-	202,149	-	-	202,149
Wet weather (Risk) allowances (Provisional)	-	-	5,000	-	-	5,000
Project Management capitalised works (Capex)	-	-	5,000	-	-	5,000
Review management plans, PAI, Oleave (PAI (1.5%), Oleave 0.575)	-	-	2,500	-	-	2,500
Environment and Cultural Heritage Management	-	-	1,264	-	-	1,264
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
Sub Total	-	-	215,913	-	-	215,913
Finalisation						
Remedial works (result of Road Safety Audit)	-	-	1,264	-	-	1,264
As built plans and road asset data update	-	-	1,264	-	-	1,264
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
Sub Total	-	-	2,528	-	-	2,528
Base Estimate	-	106,250	218,441	-	-	324,691
Contingency (%)	-	30	30	0	0	-
Contingency Amount	-	31,875	65,532	-	-	97,407
Total Project Cost	-	138,125	283,973	-	-	422,098
Escalation %	5.71	1.77	0.23	0.67	1.88	-
Escalation Amount	-	2,445	653	-	-	3,098
Out-turn Cost (\$OT)	-	140,570	284,626	-	-	425,196

Appendix E – Benefit Cost Ratio

Released under RTI - DTMR

Nomination Summary

Unique Identifier No.	
-----------------------	--

Nomination Name	Beauesert - Nerang Road intersection with Clagiraba Road, Clagiraba.
------------------------	--

Road Owner	TMR	Road ID	202
-------------------	-----	----------------	-----

Latitude	Longitude
-27.990288	153.240437

Core Road Name	Beauesert - Nerang Road	Suburb	Clagiraba
-----------------------	-------------------------	---------------	-----------

Start (km)	36.600	End (km)	37.300
-------------------	--------	-----------------	--------

Rural/Urban	Rural
--------------------	-------

Network	State	Traffic Growth Rate	2.0%	Discount Rate	6.0%
----------------	-------	----------------------------	------	----------------------	------

Length (km)	0.700
--------------------	-------

Site Type	Discrete Site - Intersection
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Nature of Concern
 Fatal Crash occurred on 28/10/2022. This is in addition to:-
 • 3 x additional crashes (2 x hospitalisations, 1 x medical treatment) in the period 01/01/2017 to 01/11/2022;
 • 7 x additional crashes (6 x hospitalisations, 1 x medical treatment) in the period 01/01/2011 to 08/11/2022.

Core Treatments
 Core treatments include:
 • Relocation of an existing telecommunications pole currently located within the deflection zone of the existing W-beam guardrail and impacting on sight lines.
 • Installation of new special intersection warning signs as well as replacing a standard Stop sign with a new one with a target board to increase conspicuity.

Added Value Treatments
 Added Value treatment:
 • Retro-fitting of TMR approved Motorcyclist Protection Device (eg, rub rail) to existing W-beam guardrail.
 → Crash Reduction Factor No. 6.20.
 • Vegetation clearing adjacent to the westbound lane from Clagiraba Road intersection to the east.
 → no available Crash Reduction Factor No.

Core	TREATMENTS - First 5 Only	Cost
Treatment 1	1.27 Remove Roadside Hazards (from 1m to 2m)(add if required)	\$355,000
Treatment 2	5.09 Enhance Visibility of Existing Signs	\$0
Treatment 3	#VALUE!	
Treatment 4	No treatment selected	
Treatment 5	No treatment selected	
		\$355,000

Added Value	TREATMENTS - First 5 Only	Cost
Treatment A	6.20 Install Motorcycle Barrier System	\$70,000
Treatment B	No treatment selected	
Treatment C	No treatment selected	
Treatment D	No treatment selected	
Treatment E	No treatment selected	
		\$70,000

DCA GROUPS >>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Total	
CRASH SEVERITY																							
Fatal																							1
Hospitalised	2																						2
Medical Treatment				1																			1
Minor Injury																							0
TOTAL	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4

Road Data	
AADT	6,846
Heavy Vehicle AADT	411
Motorcyclist AADT	
Cyclist AADT	
Pedestrian AADT	
Speed Limit (km/h)	90 km/h

Project Benefits	Core	Combined
BCR	1.6	1.3
Total Benefits (NPV)	\$566,058	\$566,058
Total Costs (NPV)	\$355,000	\$425,000
FSI's Saved (20yr)	1.0	1.0
Safety Risk Score	184.8	128.9
Total \$/FSI Saved	\$363,024	\$434,606

Released Under

WORKS ORDER BRIEFING

Signs and Lines

Location

Reference No.	Road No.	Road Name	Start Chainage (km)	End Chainage (km)
	202	Beaudesert Nerang Road	36.376	36.913

Site Description / Issues

Works order to install 'Concealed Driveways' (W5-55-2) sign with supplementary 'NEXT 600 m' (W8-17-2) on Beaudesert Nerang Road in Clagiraba. 2 (two) signs will be installed, each facing a different approach to warn of upcoming road section with concealed driveways. Signs will be installed at the ends of road section containing the concealed driveways.

Sight distance assessment was requested by the City of Gold Coast to a driveway in this area. Sight distance to multiple driveways after the FG Walker Bridge until Clagiraba Road was found to be inadequate. Due to the sight distance inadequacy, the concealed driveways signage is being requested for installation.

Corro Reference: CFR # 516054 - CoGC ^{P/I}

Locality Map / Aerial

Please refer to Figures 1 and 2.

Works Request

1. Install 'Concealed Driveways' (W5-55-2) sign with supplementary 'NEXT 600 m' (W8-17-2) at approximately Tdist 36.376 km. Sign should be facing eastbound traffic. Please refer to Figure 3.
2. Install 'Concealed Driveways' (W5-55-2) sign with supplementary 'NEXT 350 m' (W8-17-2) at approximately Tdist 36.913 km. Sign should be facing westbound traffic. Please refer to Figures 4 and 5.

Notes:

- a. Locations have been determined using MapInfo through distances.
- b. Sign installation is to comply with current standards. Please refer to MUTCD Part 1, MUTCD Part 2 and TRUM Vol 3 Part 5.
- c. Please ensure sight distance from Clagiraba Road to Beaudesert Nerang Road is not impacted by installation at Tdist 36.913 km. Please refer to Figure 5.

If clarification is required, please contact the Traffic Engineering Practice team.

M994 Form

Does this Works Order require the Installation and/or Removal of Regulatory Traffic Signs/Devices?

Yes / No

If "Yes", please complete and attach form M994.

WORKS ORDER BRIEFING

Signs and Lines



WBS Code

Please charge to the following WBS code:

Signs & Lines 52-027485652.C.E.23.1

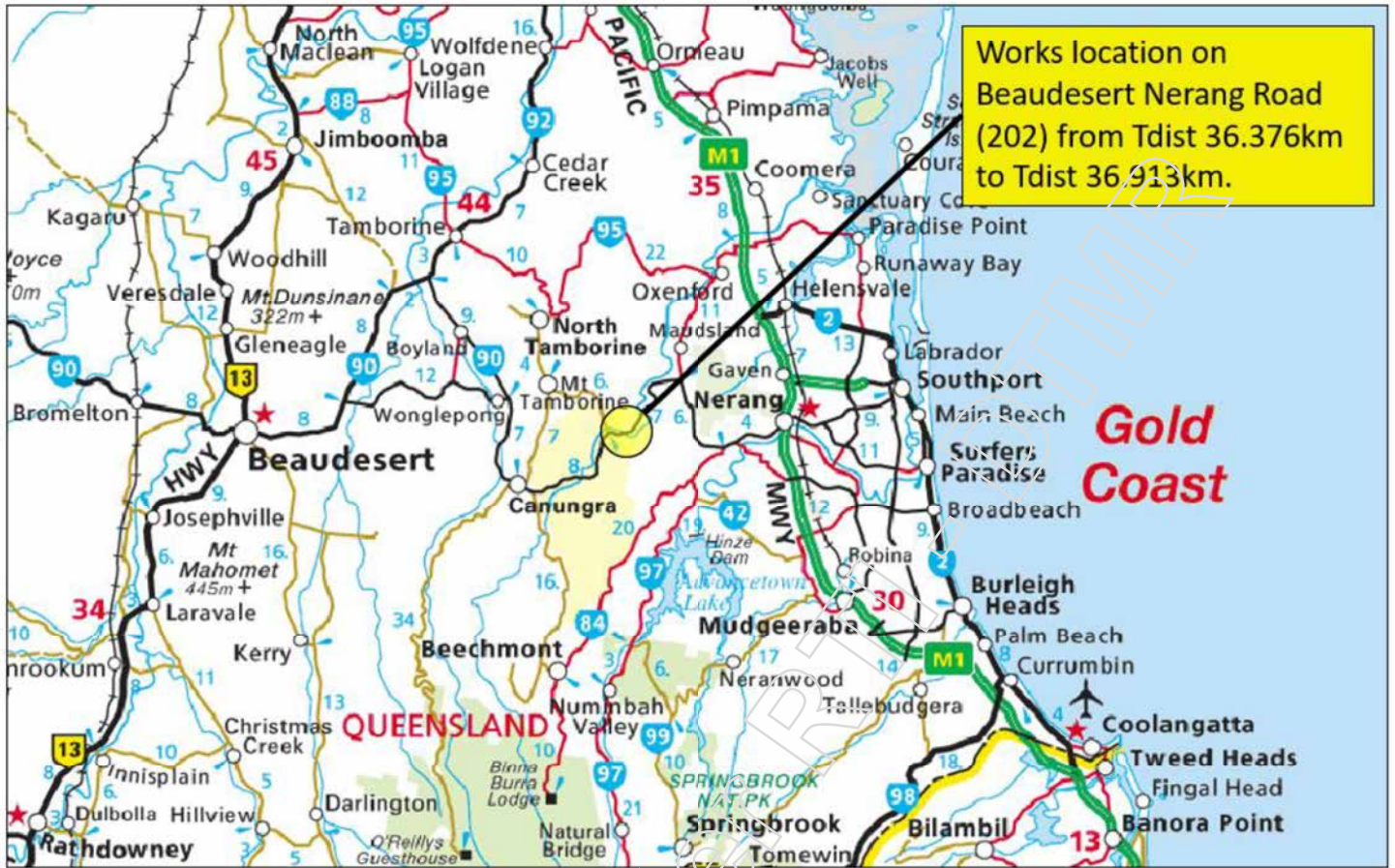
Prepared by: Viraj Pulikottil

Date: 25/08/2023

Approved by: Derek Grant

Date:

Released under RTI - DTMR



Works location on Beaudesert Nerang Road (202) from Tdist 36.376km to Tdist 36.913km.

Figure 1 Locality Map (image source: MapInfo)



Install 'Concealed Driveways' (W5-55-2) sign with supplementary 'NEXT 600 m' (W8-17-2) at approximately Tdist 36.376 km.
Sign should be visible to eastbound traffic.

Install 'Concealed Driveways' (W5-55-2) sign with supplementary 'NEXT 350 m' (W8-17-2) at approximately Tdist 36.913 km.

Sign should be visible to westbound traffic.
Ensure sight distance from Clagiraba Road is not impeded by installation. This may require greater than 0.6m clearance.

Figure 2 Aerial Locality Map with Works Details (image source: MapInfo)

Install 'Concealed Driveways' (W5-55-2) sign with supplementary 'NEXT 600 m' (W8-17-2) at approximately Tdist 36.376 km.

Sign should be visible to eastbound traffic. Ensure clearance of at least 0.6m.



Figure 3 Eastbound Street View of sign at Tdist 36.376 km (image source: DVR)

Install 'Concealed Driveways' (W5-55-2) sign with supplementary 'NEXT 350 m' (W8-17-2) at approximately Tdist 36.913 km.

Sign should be visible to westbound traffic.

Ensure sight distance from Clagiraba Road is not impeded by installation. This may require greater than 0.6m clearance.

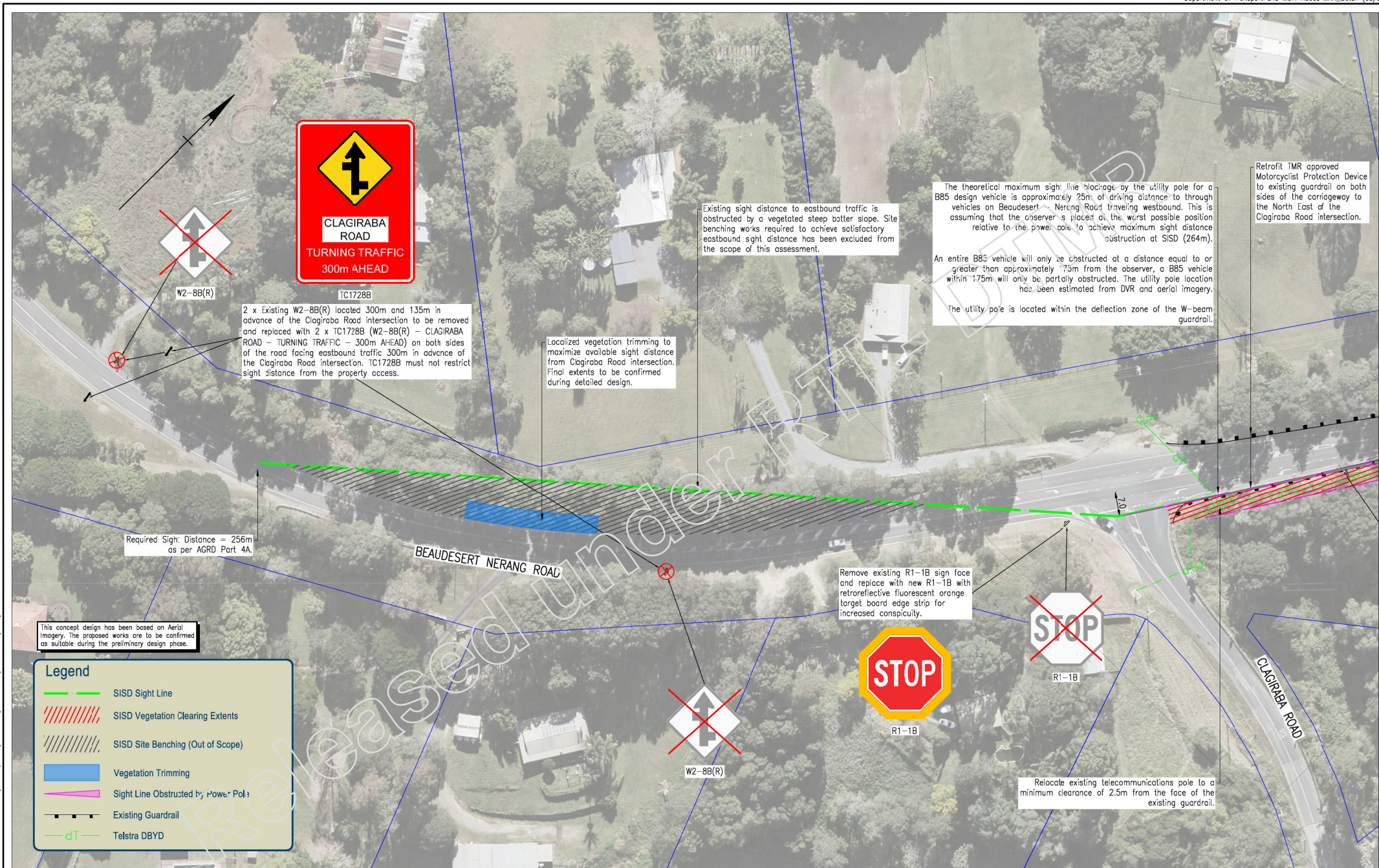


Figure 4 Westbound Street View of sign at Tdist 36.913 km (image source: site visit)

Ensure sight distance from Clagiraba Road is not impeded by installation. This may require greater than 0.6m clearance.



Figure 5 Street View of Beaudesert Nerang Road from Clagiraba Road (image source: site visit)



This concept design has been based on Aerial Imagery. The proposed works are to be confirmed as suitable during the preliminary design phase.

Legend

- SISD Sight Line
- //// SISD Vegetation Clearing Extents
- //// SISD Site Benching (Out of Scope)
- // Vegetation Trimming
- ▲ Sight Line Obstructed by Power Pole
- Existing Guardrail
- Telstra DBYD

Required Sight Distance = 256m as per AGRD Part 4A.

Existing sight distance to eastbound traffic is obstructed by a vegetated steep batter slope. Site benching works required to achieve satisfactory eastbound sight distance has been excluded from the scope of this assessment.

The theoretical maximum sight line blockage by the utility pole for a B85 design vehicle is approximately 25m of driving distance to through vehicles on Beaudesert - Nerang Road traveling westbound. This is assuming that the observer is placed at the worst possible position relative to the power pole to achieve maximum sight distance eastbound sight distance has been estimated from DVR and aerial imagery.

An entire B85 vehicle will only be obstructed at a distance equal to or greater than approximately 175m from the observer, a B85 vehicle within 175m will only be partially obstructed. The utility pole location has been estimated from DVR and aerial imagery.

The utility pole is located within the deflection zone of the W-beam guardrail.

Retrofit IMR approved Motorcyclist Protection Device to existing guardrail on both sides of the carriageway to the North East of the Clagiraba Road intersection.

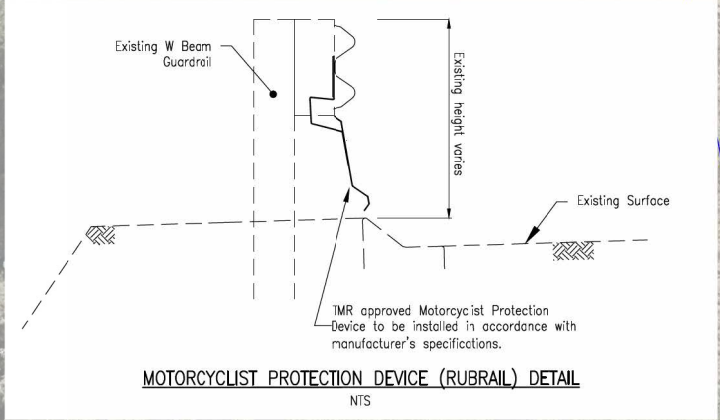
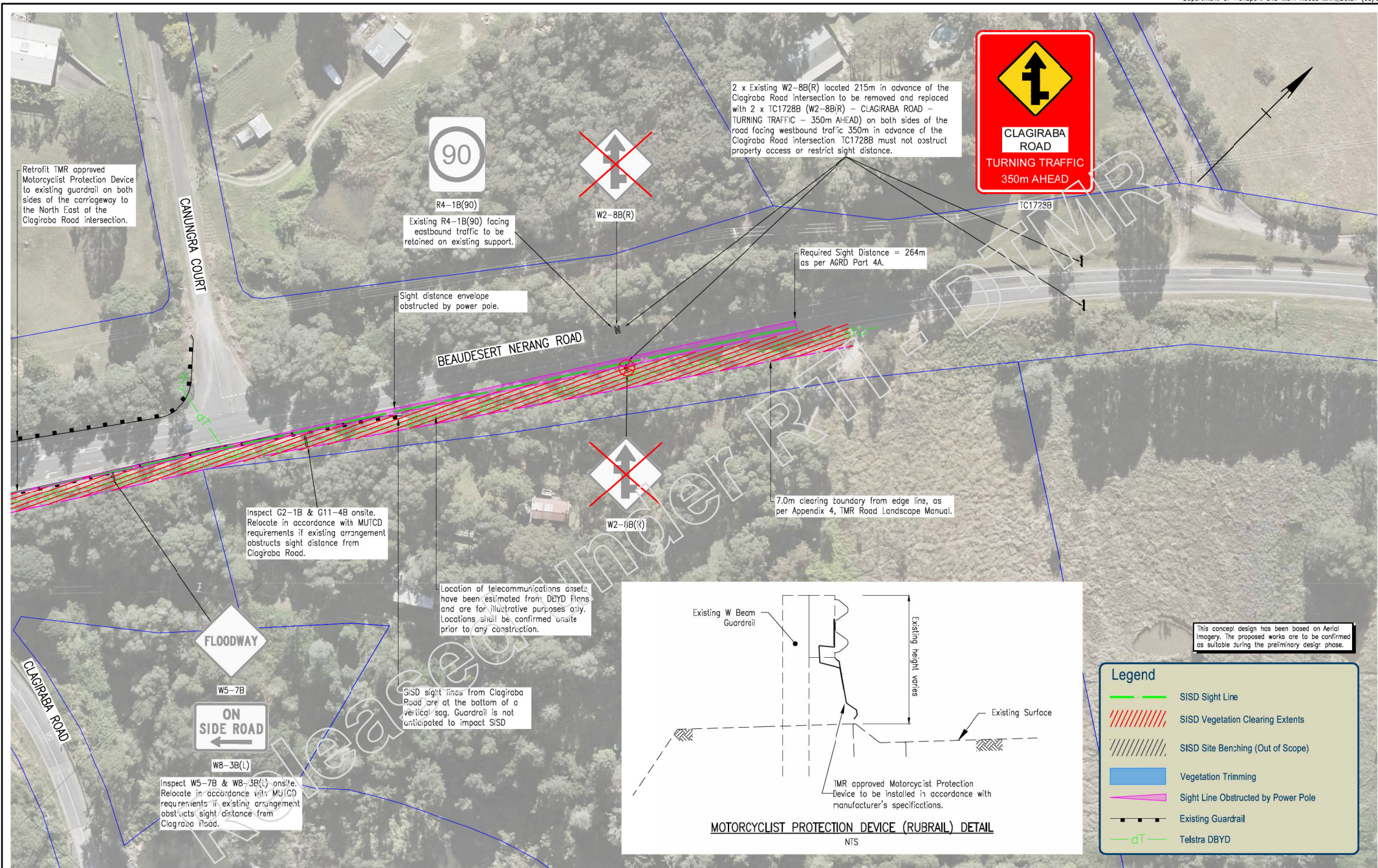
Localized vegetation trimming to maximize available sight distance from Clagiraba Road intersection. Final extents to be confirmed during detailed design.

Remove existing R1-1B sign face and replace with new R1-1B with retroreflective fluorescent orange target board edge strip for increased conspicuity.

Relocate existing telecommunications pole to a minimum clearance of 2.5m from the face of the existing guardrail.

Last Modified: 14-Apr-2023 - 8:00am ARSIS: X:\arsis\dms\X-Logistics\DCB\Drawings\X-Drawing\X-Test_Signage.dwg

<table border="1"> <tr><td>TH</td><td></td></tr> <tr><td>FD</td><td></td></tr> <tr><td>CD</td><td></td></tr> <tr><td>BD</td><td></td></tr> <tr><td>AD</td><td></td></tr> </table>		TH		FD		CD		BD		AD		Associate Job Nos Survey Date	Scales SCALE 1:500 (A1)	GOLD COAST CITY COUNCIL BEAUDESERT NERANG ROAD (202)		CLAGIRABA RD SIGHT DISTANCE ASSESSMENT CONCEPT DESIGN SHEET 1 OF 2		Job No. 240/200/- Contract No. - Drawing No. SK-1001B Series Number 01 of 02
TH																		
FD																		
CD																		
BD																		
AD																		
Revisions/Descriptions Signatory: - RPEQ Full Name, Eng. Area and RPEQ No. or - Full Name and Position Title Date		Auxiliary Drg Nos Horiz. Datum Grid Height Datum Survey Books	Preceding RP Dist to start of job (km)	Reference Points From start to end of job From end to Following RP	ENGINEERING CERTIFICATION (RPEQ) CONCEPT ONLY 14 April 2023													



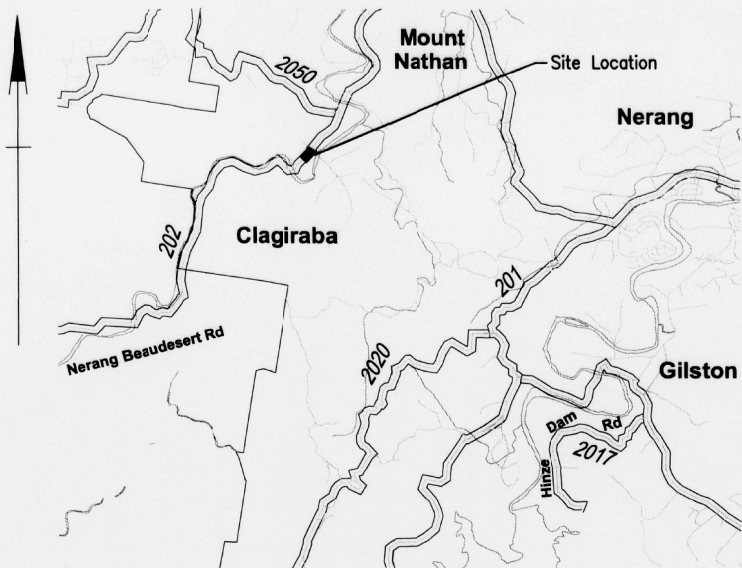
This concept design has been based on Aerial Imagery. The proposed works are to be confirmed as suitable during the preliminary design phase.

Legend

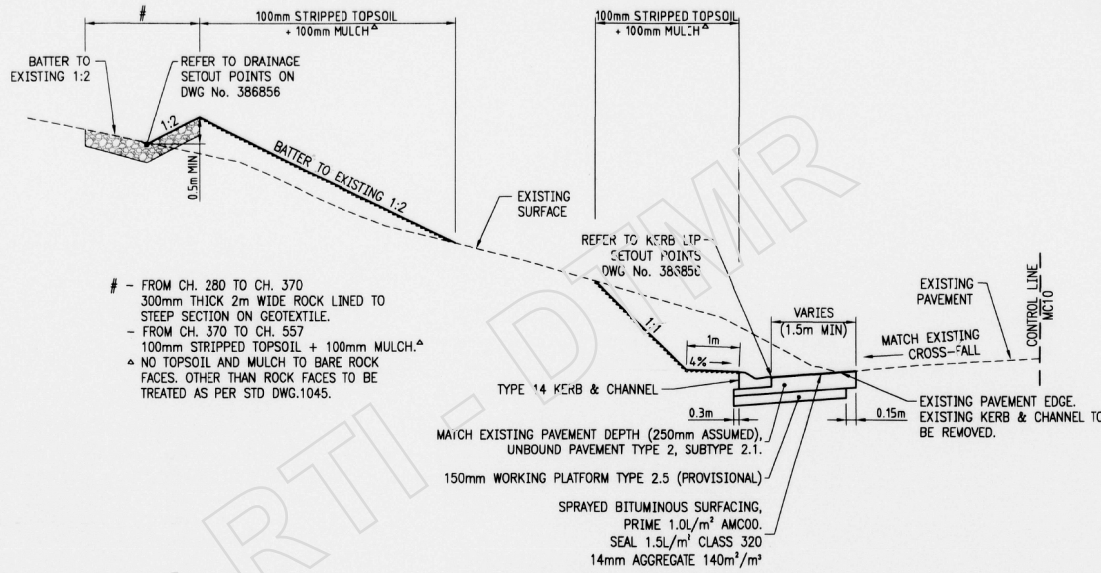
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- //// SIDS Site Benching (Out of Scope)
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- Telstra DBYD

Last Modified: 14 Apr 2023 - 8:03am
 ARSIS: X:Arslidm; X:Logandm; X:DOBdmg; X:Dracdm; X:Tel; X:Sigandm

Revisions/Descriptions Signatory: - RPEQ Full Name, Eng. Area and RPEQ No. or Full Name and Position Title Date		Associate Job Nos Survey Date Auxillary Drg Nos Horiz. Datum Horiz. Grid Height Datum Survey Books	Scales 0 5 10 15 20m SCALE 1:500 (A1) Dimensions shown in metres except where shown otherwise	GOLD COAST CITY COUNCIL BEAUDESERT NERANG ROAD (202) CTL CHGE 36.600 - 37.300km Reference Points Preceding RP Dist to start of job (km) From start to end of job From end to Following RP	CLAGIRABA RD SIGHT DISTANCE ASSESSMENT CONCEPT DESIGN SHEET 2 OF 2 ENGINEERING CERTIFICATION (RPEQ) CONCEPT ONLY 14 April 2023	Job No. 240/200/- Contract No. - Drawing No. SK-10021B Series Number 02 of 02
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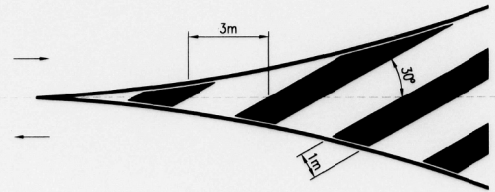


LOCALITY PLAN
NTS



TYPICAL SECTION
NTS

- # - FROM CH. 280 TO CH. 370
300mm THICK 2m WIDE ROCK LINED TO STEEP SECTION ON GEOTEXTILE.
- FROM CH. 370 TO CH. 557
100mm STRIPPED TOPSOIL + 100mm MULCH.▲
- ▲ NO TOPSOIL AND MULCH TO BARE ROCK FACES. OTHER THAN ROCK FACES TO BE TREATED AS PER STD DWG.1045.



CHEVRON MARKING DETAIL
NTS

NOTES:

1. UNLESS INDICATED OTHERWISE, ALL SIGNS, PAVEMENT MARKINGS AND R.R.P.M.S SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. NEW PAVEMENT MARKING SHALL JOIN SMOOTHLY TO EXISTING WHERE REQUIRED.
3. ALL PAVEMENT MARKINGS NOT CONSISTENT WITH THIS DESIGN ARE TO BE REMOVED, BY AN APPROVED METHOD OTHER THAN PAINTING OVER.
4. ALL EXISTING SIGNS WITHIN THE LIMITS OF THE WORK IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE REMOVED AND RE-ERECTED U.N.O.

SERVICE NOTES:

1. THE EXISTING SERVICES INFORMATION SHOWN ON THE PLANS HAS BEEN COMPILED FROM SURVEY INFORMATION AND INFORMATION SUPPLIED BY THE VARIOUS SERVICE AUTHORITIES.
2. THE INFORMATION IS NOT INTENDED TO PROVIDE THE CONTRACTOR WITH COMPLETE OR ACCURATE INFORMATION CONCERNING THE LOCATION AND EXTENT OF SERVICES.
3. THE CONTRACTOR SHALL MAKE ENQUIRIES OF THE SERVICE AUTHORITIES AS TO THE LOCATION, DEPTH AND EXTENT OF SERVICES PRIOR TO COMMENCEMENT OF WORK ON THE SITE.
4. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGE INCURRED TO EXISTING SERVICES AS A RESULT OF THE EXECUTION OF WORK UNDER THE CONTRACT.
5. NO WORK SHALL BE CARRIED OUT WITHIN 4 METRES OF ANY EXISTING SERVICES WITHOUT PRIOR RECORDED CONSULTATION WITH THE RELEVANT AUTHORITY.

DRAWING INDEX	
DRG INDEX	DESCRIPTION
386855	DRAWING INDEX, TYPICAL CROSS SECTION DETAILS AND LOCALITY PLAN
386856	CONSTRUCTION DETAILS SHEET 1 OF 3
386857	CONSTRUCTION DETAILS SHEET 2 OF 3
386858	CONSTRUCTION DETAILS SHEET 3 OF 3
386859	CROSS SECTIONS - CONTROL LINE MC10 CH 280 - 400
386860	CROSS SECTIONS - CONTROL LINE MC10 CH 420 - 520
386861	CROSS SECTIONS - CONTROL LINE MC10 CH 540 - 680

GHD CLIENTS | PEOPLE | PERFORMANCE

Suite 3 On the Park
54-58 Nerang Street Nerang QLD 4211 Australia
PO Box 124 Nerang QLD 4211
T 61 7 5557 1000 F 61 7 5557 1099
E goldcoast@mail@ghd.com.au W www.ghd.com.au

Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
				Auxiliary drawing nos 386855 - 861	Scales N.T.S.	Through chainage from Start of Gozzettal Ch. 3.71km to 4.15km
A	Original issue				(Office use only)	

GOLD COAST CITY				
BEAUDESERT - NERANG ROAD				
INTERSECTION WITH CLAGIRABA ROAD				
Reference Points				
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC
7/Shire Boundary	3.71	0.44	0.82	8/NG2439450

DRAWING INDEX, TYPICAL CROSS SECTION DETAILS AND LOCALITY PLAN			
Drawn J.P.	Design J.P.	Examined R.B.	NR
Ckd P.D.	Ckd P.D.		

Queensland Government
Department of Main Roads

JOB No. 160/202/308
Drawing No. 386855

Contract No. SCHD2028

CAC REF: A

SURVEY STATION AND PERMANENT SURVEY MARKS				
PERMANENT SURVEY MARK				
PT #	X	Y	R.L.	COMMENTS
99405	36384.636	14991.874	66.450	
29167	36039.723	14563.531	56.514	
49892	35926.368	14572.005	52.638	
SURVEY STATIONS				
Station	X	Y	R.L.	Comments
112	36354.604	14920.202	61.084	PEG
110	36354.654	14831.063	54.412	PEG
7050	36310.458	14812.842	60.034	ORIG PEG
130021	36267.394	14725.069	63.593	RAMSET


AS CONSTRUCTED
NAME: SCOTT MORRISON
DATE: 16/01/07

Parish of Witheren


REFERENCED SETOUT POINTS					
POINT	X	Y	LEVEL	RADIUS	COMMENTS
1	36131.727	14603.864	EXISTING		
2	36130.334	14607.075	265.0m		LINEMARKING MATCH-IN CH.344.618
3	36141.885	14618.006	260.0m		KERB LIP MATCH-IN
4	36219.060	14669.728	265.0m		CHEVRON START
5	36243.755	14709.882	300.0m		KERB LIP
6	36267.714	14744.138	265.0m		CHEVRON
7	36266.113	14751.717	300.00		KERB LIP
8	36273.388	14757.131			CHEVRON
9	36283.218	14772.149			CHEVRON END
10	36298.088	14797.457			LINEMARKING MATCH-IN
11	36290.780	14808.303			KERB LIP MATCH-IN
12	36304.187	14820.173			LINEMARKING CH.628.458
13	36301.438	14821.373			LANE LINE END
14	36310.792	14836.550	0.5m		CENTRE OF ARC
15	36311.441	14844.284			CHEVRON
16	36317.023	14856.277			CHEVRON
17	36333.993	14890.569			CHEVRON
18	36336.508	14904.265			LINEMARKING MATCH-IN
19	36339.714	14902.865			CHEVRON END CH.718.458
20	36342.933	14901.490			LINEMARKING MATCH-IN
D1	36065.895	14606.918	57.91m		DRAIN INVERT
D2	36066.536	14607.026	58.04m	230m	DRAIN INVERT
D3	36093.427	14612.146	61.1m		DRAIN INVERT
D4	36105.457	14615.538	62.71m		CENTRE PIPE INVERT
D5	36110.214	14617.077	63.32m		CENTRE PIPE INVERT
D6	36114.936	14618.719	64.0m		DRAIN INVERT
D7	36124.269	14622.309	65.0m		DRAIN INVERT
D8	36144.638	14631.846	66.76m		DRAIN INVERT
D9	36188.788	14662.288	67.02m		DRAIN INVERT
D10	36231.636	14712.517	68.07m		DRAIN INVERT
D11	36247.395	14742.113	68.35m	230m	END OF CURVE
D12	36254.945	14759.188	68.5m		DRAIN INVERT


LEGEND


EXISTING FEATURE SYMBOLS

POWER POLE 


EXISTING FEATURES


KERB LIP 

FENCE 


STORMWATER DRAINAGE 


ABOVEGROUND EXISTING SERVICES

ELECTRICITY 

TELSTRA 

SIGNS

EXISTING SIGN TO BE REMOVED / RELOCATED 

NEW POSITION OF RE-LOCATED SIGN AND POST 

LINEMARKING


DBL - DOUBLE BARRIER LINE

EL - EDGE LINE


LL - LANE LINE


CL - CONTINUITY LINE


LU - UNBROKEN LANE LINE


CHEVRON MARKING 

PROPOSED

NEW PAVEMENT 

TYPE 14 KERB & CHANNEL 

TOPSOIL + MULCH 

ROCK LINING 

CONSTRUCT ROCK LINED TABLE DRAIN FROM CH.280 TO CH. 370. REFER TO CROSS SECTIONS.

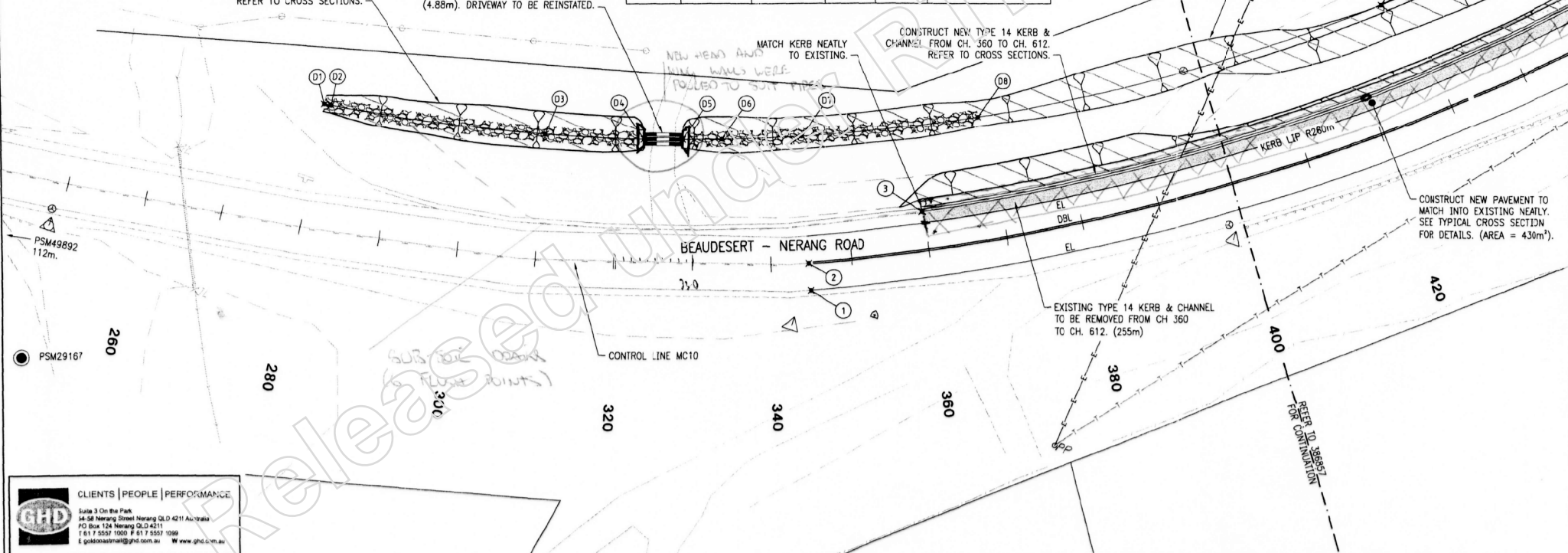
INSTALL 3x450 DIA RCP DRAINAGE PIPES WITH HEADWALLS AND APRONS (4.88m). DRIVEWAY TO BE REINSTATED.

MATCH KERB NEATLY TO EXISTING.

CONSTRUCT NEW TYPE 14 KERB & CHANNEL FROM CH. 360 TO CH. 612. REFER TO CROSS SECTIONS.

CONSTRUCT TABLE DRAIN FROM CH.370 TO CH. 557. REFER TO CROSS SECTIONS.

CONSTRUCT NEW PAVEMENT TO MATCH INTO EXISTING NEATLY. SEE TYPICAL CROSS SECTION FOR DETAILS. (AREA = 430m²).



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E goldcoast@mail@ghd.com.au W www.ghd.com.au

Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
				Auxiliary drawing nos	Scales (Full Size A1)	Through chainage from Start of Gazetteal
				386855 - 861	0 2 4 6 8 10m	Ch. 3.71km to 4.15km
				(Office use only)	SCALE 1:250	

GOLD COAST CITY				
BEAUDESERT - NERANG ROAD				
INTERSECTION WITH CLAGIRABA ROAD				
Reference Points				
Preceding RPC	Dist to start of job (km)	From start to end of job	From end to following RPC	Following RPC
7/Shire Boundary	3.71	0.44	0.82	8/NQ24045G

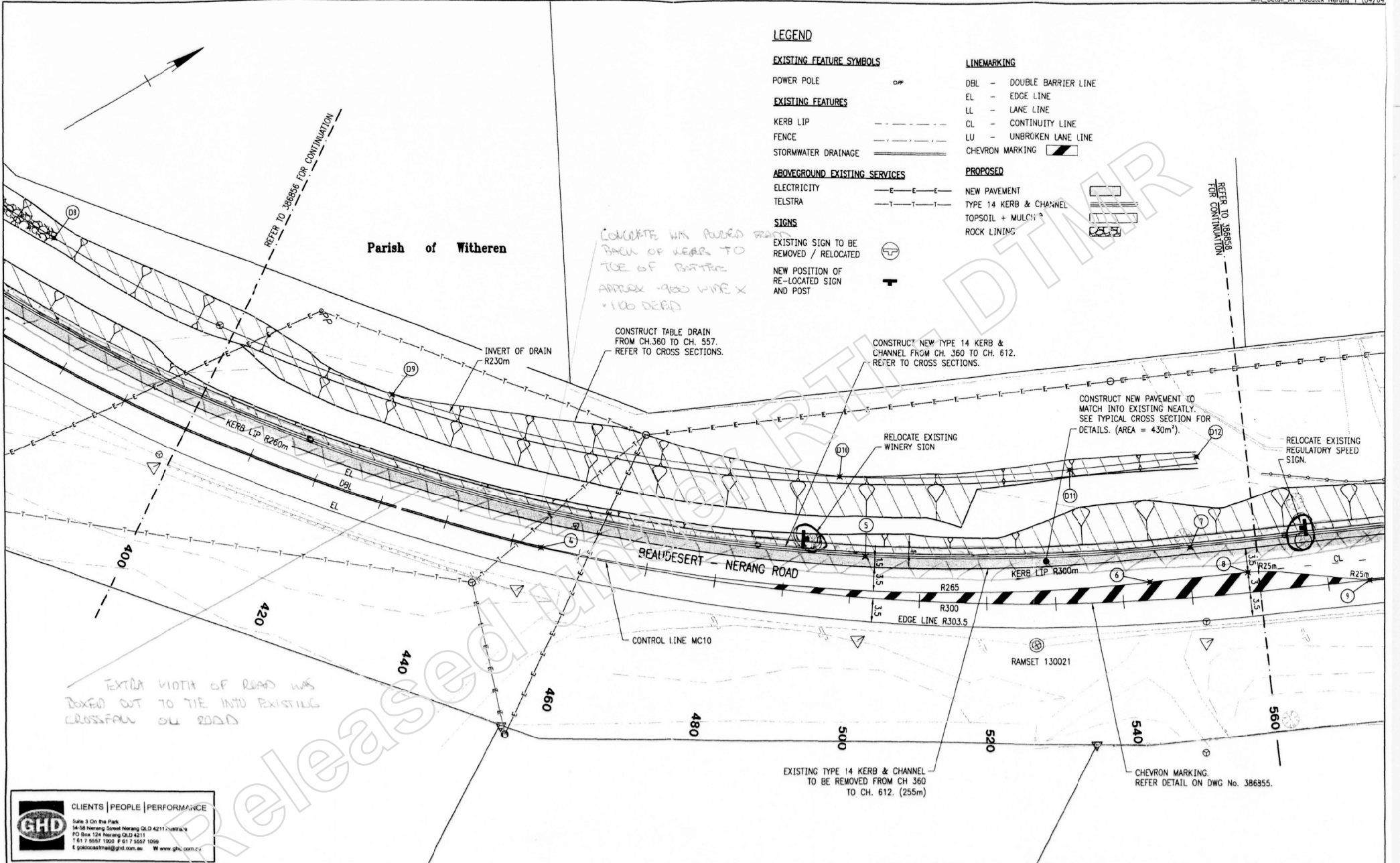
CONSTRUCTION DETAILS			
SHEET 1 OF 3			
Drawn	Design	Examined	NR
J.P. Ckd	J.P. Ckd	R.B.	
P.D.	P.D.		

Queensland Government
Department of Main Roads

JOB No. 160/202/308
Drawing No. 386856

Contract No. SCHD2028

CAD REF: 15



LEGEND

EXISTING FEATURE SYMBOLS

- POWER POLE DP
- EXISTING FEATURES**
- KORB LIP ---
- FENCE ---
- STORMWATER DRAINAGE ---

LINEMARKING

- DBL - DOUBLE BARRIER LINE
- EL - EDGE LINE
- LL - LANE LINE
- CL - CONTINUITY LINE
- LU - UNBROKEN LANE LINE
- CHEVRON MARKING ▨

ABOVEGROUND EXISTING SERVICES

- ELECTRICITY ---
- TELSTRA ---

SIGNS

- EXISTING SIGN TO BE REMOVED / RELOCATED ⊕
- NEW POSITION OF RE-LOCATED SIGN AND POST ⊕

PROPOSED

- NEW PAVEMENT ▨
- TYPE 14 KERB & CHANNEL ▨
- TOPSOIL + MULCH ▨
- ROCK LINING ▨

Parish of Witheren

CONCRETE WAS POURED FROM BACK OF LEAS TO TOE OF BATTER APPROX 1900 WIDE X 1100 DEEP

CONSTRUCT TABLE DRAIN FROM CH.360 TO CH. 557. REFER TO CROSS SECTIONS.

CONSTRUCT NEW TYPE 14 KERB & CHANNEL FROM CH. 360 TO CH. 612. REFER TO CROSS SECTIONS.

CONSTRUCT NEW PAVEMENT TO MATCH INTO EXISTING NEATLY. SEE TYPICAL CROSS SECTION FOR DETAILS. (AREA = 430m²).

RELOCATE EXISTING WINERY SIGN

RELOCATE EXISTING REGULATORY SPEED SIGN.

BEAUDESERT - NERANG ROAD

CONTROL LINE MC10

RAMSET 130021

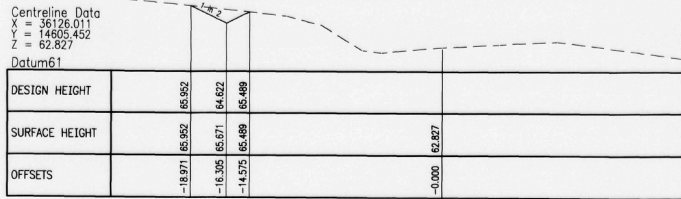
EXISTING TYPE 14 KERB & CHANNEL TO BE REMOVED FROM CH 360 TO CH. 612. (255m)

CHEVRON MARKING. REFER DETAIL ON DWG No. 386855.

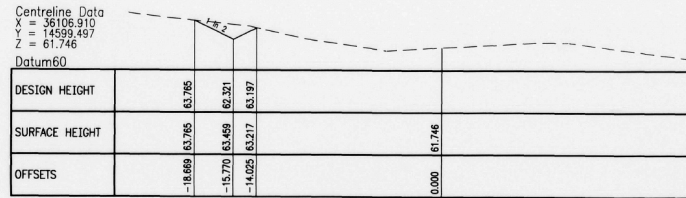
EXTRA WIDTH OF ROAD WAS BOXED OUT TO TIE INTO EXISTING CROSSFALL ON ROAD

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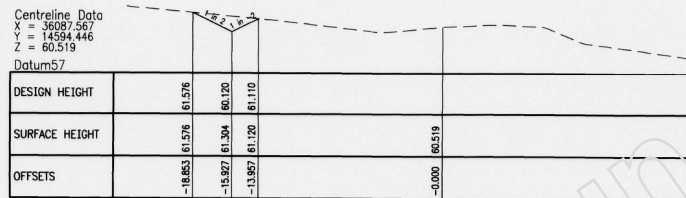
Revisions		Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books	GOLD COAST CITY				CONSTRUCTION DETAILS		<p>Queensland Government Department of Main Roads</p>
NR					386855 - 861	Through chainage from Start of Gazetteal Ch. 3.71km to 4.15km		BEAUDESERT - NERANG ROAD				SHEET 2 OF 3		
Original Iss						Scale: (Full Size A1) 0 2 4 6 8 10m SCALE 1:250		INTERSECTION WITH CLAGIRABA ROAD				Reference Points Preceding RPC: 7/Shire Boundary, 3.71 Dist. to start of job (km): 0.44 From start to end of job: 0.82 Following RPC: 8/W2430450, P.D.		Drawn J.P. Ckd P.D. Design J.P. Ckd P.D. Examined R.B.



CHAINAGE 340.000



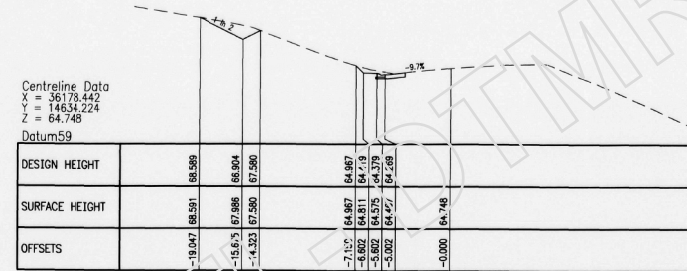
CHAINAGE 320.000



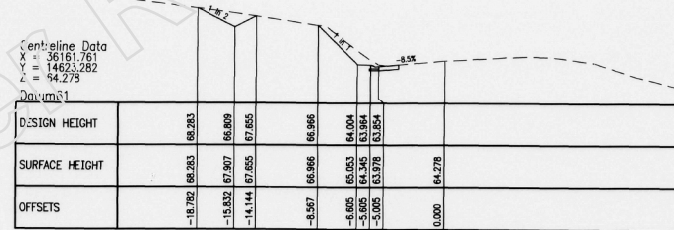
CHAINAGE 300.000



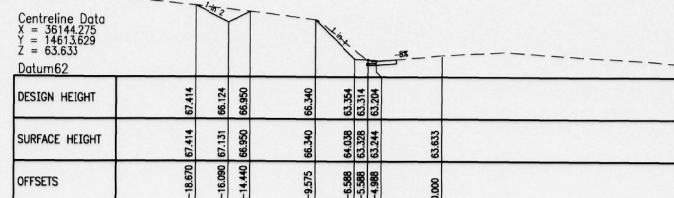
CHAINAGE 280.000



CHAINAGE 400.000



CHAINAGE 380.000

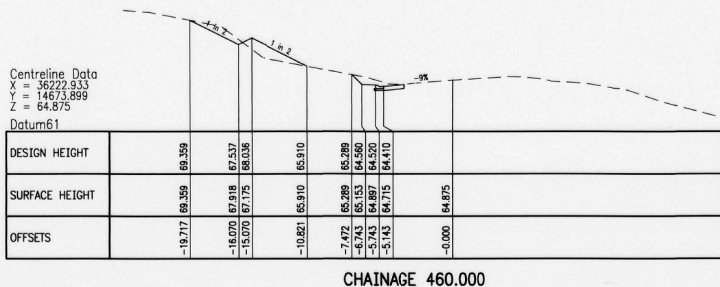


CHAINAGE 360.000

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Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books	GOLD COAST CITY				CROSS SECTIONS - CONTROL LINE MC10				Queensland Government Department of Main Roads			
				Auxiliary drawing nos	Scales (Full Size A1)	Through chainage from Start of Gazetteal	BEAUDESERT - NERANG ROAD				CH 280 - CH 400							
				386855 - 861	0 2 4 6 8m SCALE 1:200	Ch. 3.71km to 4.15km	INTERSECTION WITH CLAGTRABA ROAD				JOB No. 160/202/308				No. 5 of 7 drgs			
B	Coordinate data corrected	NR	9/07	MF 11-01			Reference Points				Drawing No. 386859							
A	Original issue						Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	Drawn J.P. Ckd	Design J.P. Ckd	Examined R.B.	Recommended Shaun Kan	Approved Alan Stone	Contract No. SCHD2028	CAD REF.
				(Office use only)			7/Shire Boundary	3.71	0.44	0.82	8/NQ2430456	P.D.	P.D.			06/09/07		

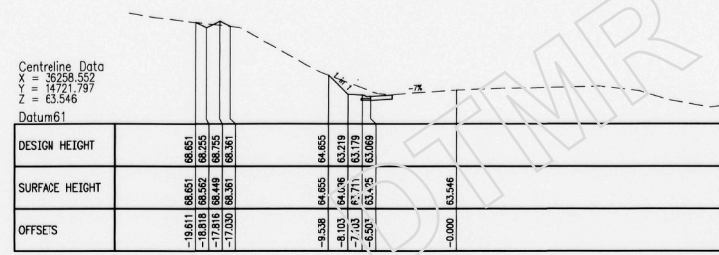


Centreline Data
 X = 36222.833
 Y = 14673.899
 Z = 64.875

Datum61

DESIGN HEIGHT	69.359	69.359	69.357	69.356	66.910	66.909	66.908	64.410	64.410	64.875
SURFACE HEIGHT	69.359	69.359	69.357	69.356	66.910	66.909	66.908	64.410	64.410	64.875
OFFSETS	-19.717	0.000	-16.070	-13.079	-10.821	-7.705	-5.591	-5.143	0.000	-0.000

CHAINAGE 460.000

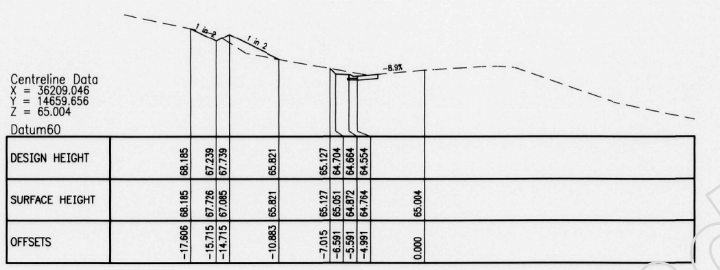


Centreline Data
 X = 36258.552
 Y = 14721.797
 Z = 63.546

Datum61

DESIGN HEIGHT	68.651	68.651	68.650	68.649	66.655	66.655	63.219	63.219	63.546
SURFACE HEIGHT	68.651	68.651	68.650	68.649	66.655	66.655	63.219	63.219	63.546
OFFSETS	-19.811	0.000	-17.818	-17.030	-9.538	-8.103	-7.103	-6.501	-0.000

CHAINAGE 520.000

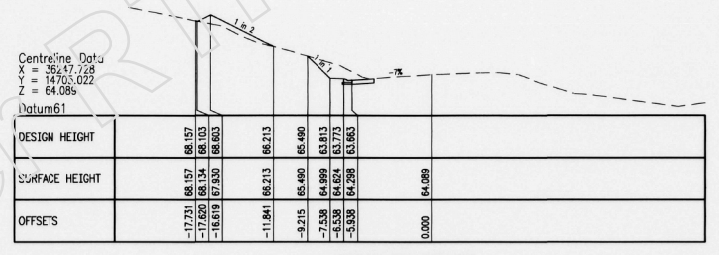


Centreline Data
 X = 36209.046
 Y = 14659.656
 Z = 65.004

Datum60

DESIGN HEIGHT	68.185	68.185	67.239	67.239	65.821	65.127	64.704	64.654	65.004
SURFACE HEIGHT	68.185	68.185	67.239	67.239	65.821	65.127	64.704	64.654	65.004
OFFSETS	-17.606	0.000	-15.715	-14.715	-10.863	-7.015	-6.591	-4.991	0.000

CHAINAGE 440.000

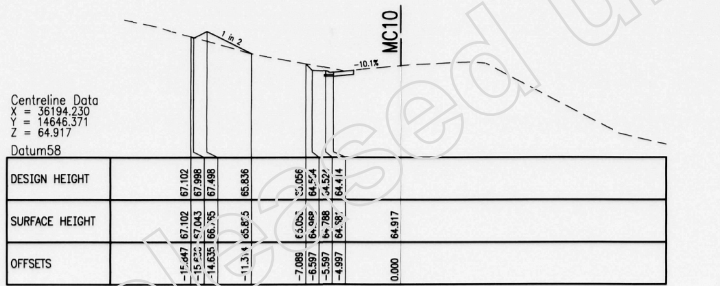


Centreline Data
 X = 36247.228
 Y = 14705.022
 Z = 64.086

Datum61

DESIGN HEIGHT	68.157	68.157	68.103	68.103	66.490	65.913	64.624	64.583	64.086
SURFACE HEIGHT	68.157	68.157	68.103	68.103	66.490	65.913	64.624	64.583	64.086
OFFSETS	-17.731	0.000	-16.679	-16.679	-11.894	-9.215	-7.538	-5.938	0.000

CHAINAGE 500.000

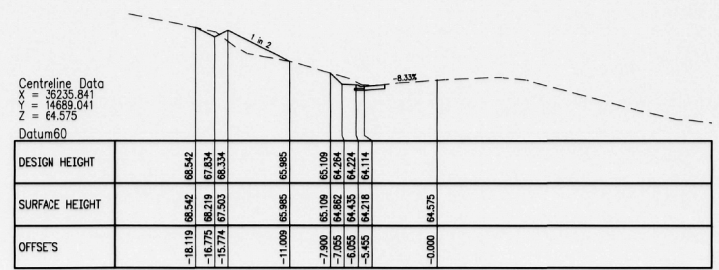


Centreline Data
 X = 36194.230
 Y = 14646.371
 Z = 64.917

Datum58

DESIGN HEIGHT	67.103	67.103	67.408	67.408	65.836	65.096	64.567	64.414	64.917
SURFACE HEIGHT	67.103	67.103	67.408	67.408	65.836	65.096	64.567	64.414	64.917
OFFSETS	-15.697	0.000	-15.677	-14.655	-11.314	-7.089	-5.987	-4.897	0.000

CHAINAGE 420.000



Centreline Data
 X = 36235.841
 Y = 14669.041
 Z = 64.575

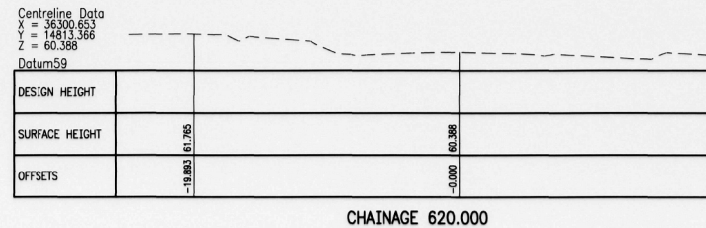
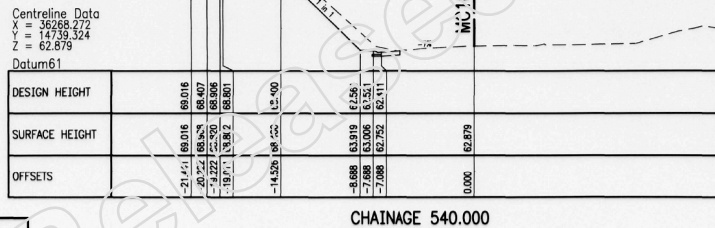
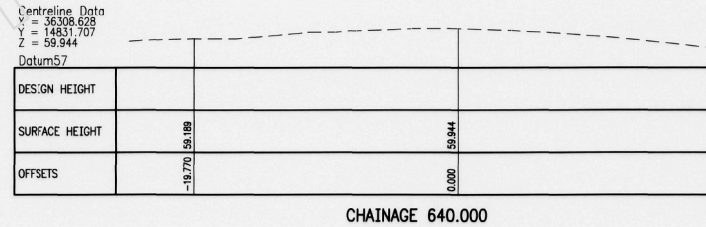
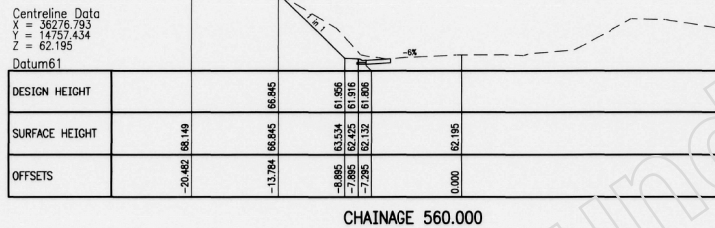
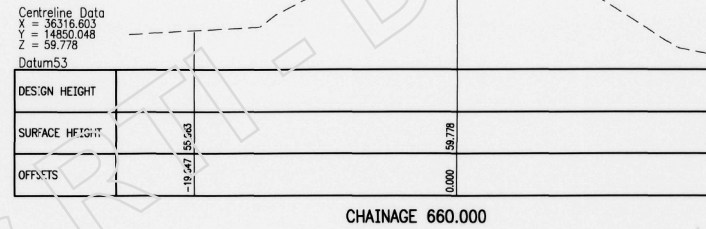
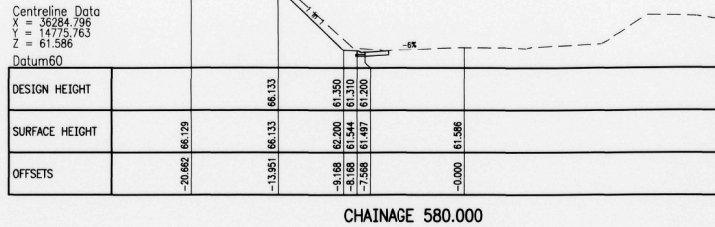
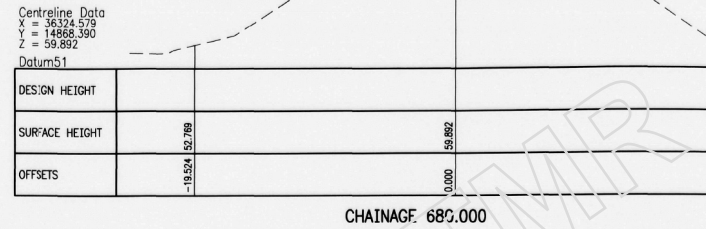
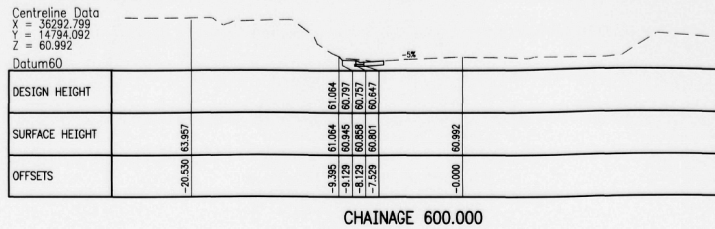
Datum60

DESIGN HEIGHT	68.542	68.542	67.634	67.634	65.985	65.109	64.284	64.114	64.575
SURFACE HEIGHT	68.542	68.542	67.634	67.634	65.985	65.109	64.284	64.114	64.575
OFFSETS	-18.119	0.000	-16.779	-15.774	-11.000	-7.900	-6.895	-5.895	-0.000

CHAINAGE 480.000

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Revisions				Associated job nos		Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.		Survey books		GOLD COAST CITY					CROSS SECTIONS - CONTROL LINE MC10																																					
Certified				Auxiliary drawing nos		Scales		Through chainage from Start of Gazetteal		BEAUDESERT - NERANG ROAD					CH 420 - CH 520																																					
Date				386855 - 861		Full Size A1		Ch. 3.71km to 4.15km		INTERSECTION WITH CLAGIRABA ROAD					<table border="1"> <tr> <td>Examined</td> <td>NR</td> <td>Recommended</td> <td>Shaun Kan</td> <td>Approved</td> <td>Alan Stone</td> <td rowspan="2">06/09/07</td> </tr> <tr> <td>Contract No.</td> <td>SCHD2028</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Examined	NR	Recommended	Shaun Kan	Approved	Alan Stone	06/09/07	Contract No.	SCHD2028																									
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Original issue				(Office use only)		SCALE 1:200						<table border="1"> <tr> <td colspan="2">JOB No.</td> <td colspan="2">No. 6 of 7 drgs</td> </tr> <tr> <td colspan="2">160/202/308</td> <td colspan="2">Drawing No.</td> </tr> <tr> <td colspan="2">386860</td> <td colspan="2">386860</td> </tr> <tr> <td colspan="2">Contract No.</td> <td colspan="2">SCHD2028</td> </tr> <tr> <td colspan="2">CAD REF.</td> <td colspan="2"></td> </tr> </table>				JOB No.		No. 6 of 7 drgs		160/202/308		Drawing No.		386860		386860		Contract No.		SCHD2028		CAD REF.																				
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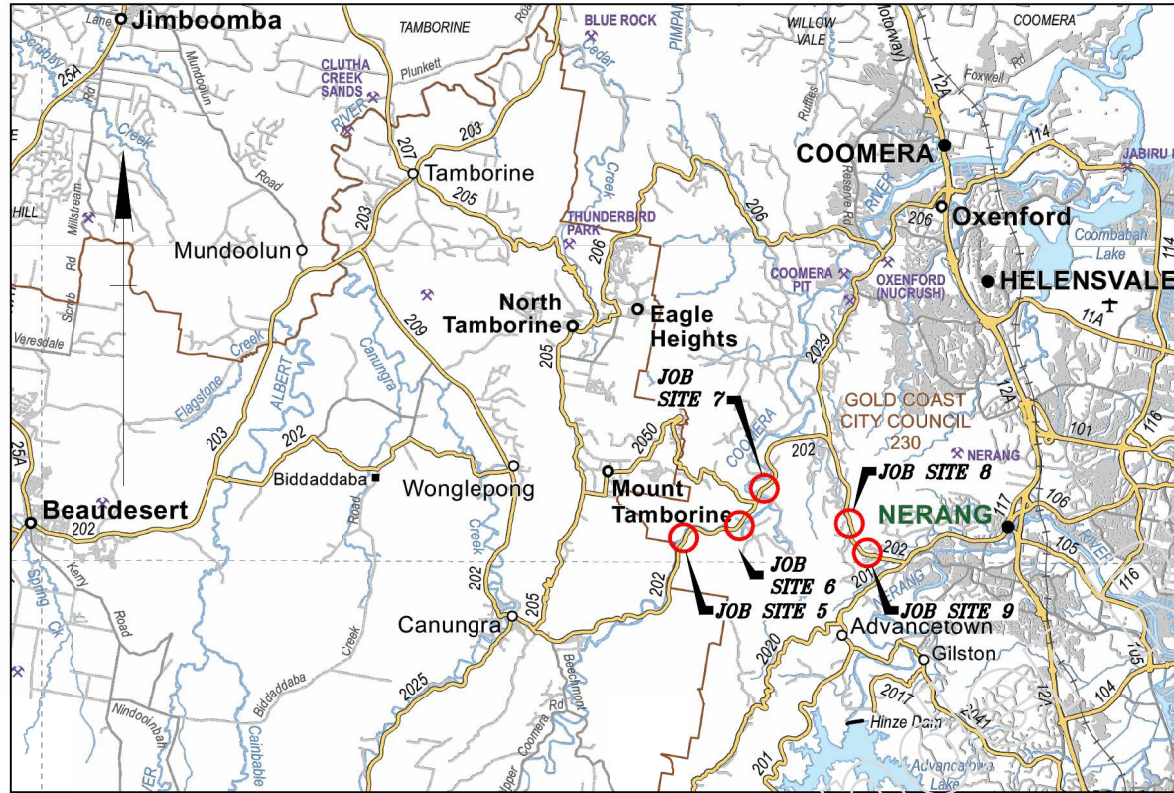
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Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books	GOLD COAST CITY				CROSS SECTIONS - CONTROL LINE MC10						
							BEAUDESERT - NERANG ROAD				CH 540 - CH 680						
				Auxiliary drawing nos	Scales (Full Size A1)	Through chainage from Start of Gazetteal	INTERSECTION WITH CLAGIRABA ROAD				JOB No. No. 7 of 7 drgs						
				386855 - 861	0 2 4 6 8m	Ch. 4.15km to 3.71km	Reference Points				160/202/308 Drawing No. 386861						
B	Coordinate data corrected	NR	9/07	MF (11-07-05)	SCALE 1:200		Preceding RPC	Dist. to start of job (km)	From start to end of job	Following RPC	Drawn J.P. Ckd P.D.	Design J.P. Ckd P.D.	Examined R.B.	Recommended RPEQ 3065	Approved Alan Stone	Contract No. SCHD2028	
A	Original issue						7/Shire Boundary	3.71	0.44	0.82	8/W24304SG			Shaur Kan	District Director South Coast Hinterland	06/09/07	SCHD REF:

DRAWING INDEX

Drawing Number	Revision	Series Number	Drawing Description
823853	C	DI-01	LOCALITY PLAN AND DRAWING INDEX - SITES 5 TO 9
823854	C	GA-01	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 5 SHEET 1 OF 7
823855	C	GA-02	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 5 SHEET 2 OF 7
823856	C	GA-03	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 5 SHEET 3 OF 7
823857	C	GA-04	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 5 SHEET 4 OF 7
823858	C	GA-05	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 5 SHEET 5 OF 7
823859	C	GA-06	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 5 SHEET 6 OF 7
823860	C	GA-07	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 5 SHEET 7 OF 7
823861	B	GA-08	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 6 SHEET 1 OF 2
823862	B	GA-09	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 6 SHEET 2 OF 2
823863	B	GA-10	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 7 SHEET 1 OF 2
823864	B	GA-11	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 7 SHEET 2 OF 2
823865	C	GA-12	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 8 SHEET 1 OF 2
823866	B	GA-13	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 8 SHEET 2 OF 2
823867	C	GA-14	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 9 SHEET 1 OF 2
823868	C	GA-15	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE - SITE 9 SHEET 2 OF 2
823869	C	TC-01	TYPICAL CROSS SECTIONS MCE1 CONTROL LINE - SITE 9 SHEET 1 OF 1
823870	B	LS-01	LONG SECTION CONTROL LINE MCE1 - SITE 9 SHEET 1 OF 1
823871	C	PD-01	PAVEMENT, LANDSCAPING AND DRAINAGE DETAILS - SITE 9 SHEET 1 OF 2
823872	C	PD-02	PAVEMENT, LANDSCAPING AND DRAINAGE DETAILS - SITE 9 SHEET 2 OF 2
823873	B	XS-01	CROSS SECTIONS MCE1 CONTROL LINE - SITE 9 SHEET 1 OF 4
823874	B	XS-02	CROSS SECTIONS MCE1 CONTROL LINE - SITE 9 SHEET 2 OF 4
823875	B	XS-03	CROSS SECTIONS MCE1 CONTROL LINE - SITE 9 SHEET 3 OF 4
823876	B	XS-04	CROSS SECTIONS MCE1 CONTROL LINE - SITE 9 SHEET 4 OF 4



LOCALITY PLAN

SCHEME SUBMITTED (*External Consultants or Internal Business Unit*):
 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.

SIGNED: Timothy Baumann TITLE: Senior Engineer
 Organisation: TMR DATE: 20/02/2020

SCHEME SCOPE AND FINANCIAL APPROVAL: (*Regional Director or Delegate*):
 I hereby certify that this scheme complies with the intent of the scope and financial limits of the relevant project on QTRIP and scheme is approved for release in accordance with that program.

SIGNED: Alan Purvis TITLE: Manager Delivery DATE: 20/02/2020

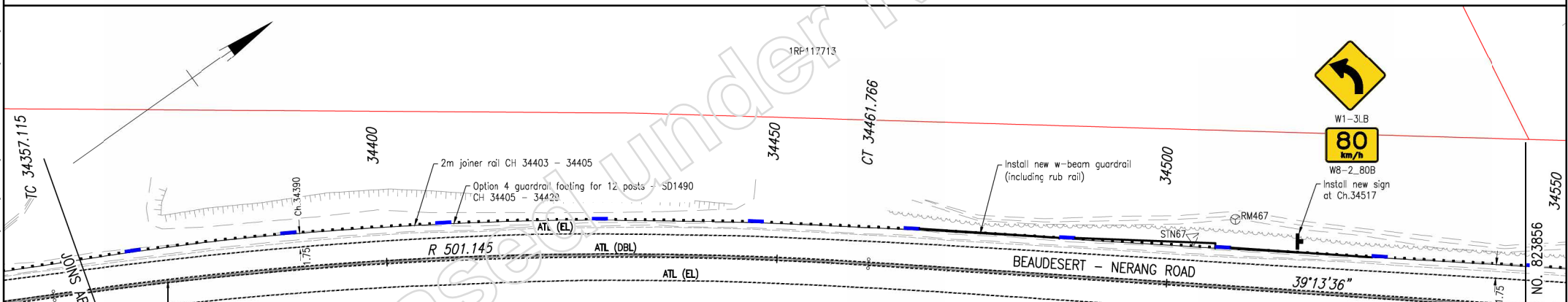
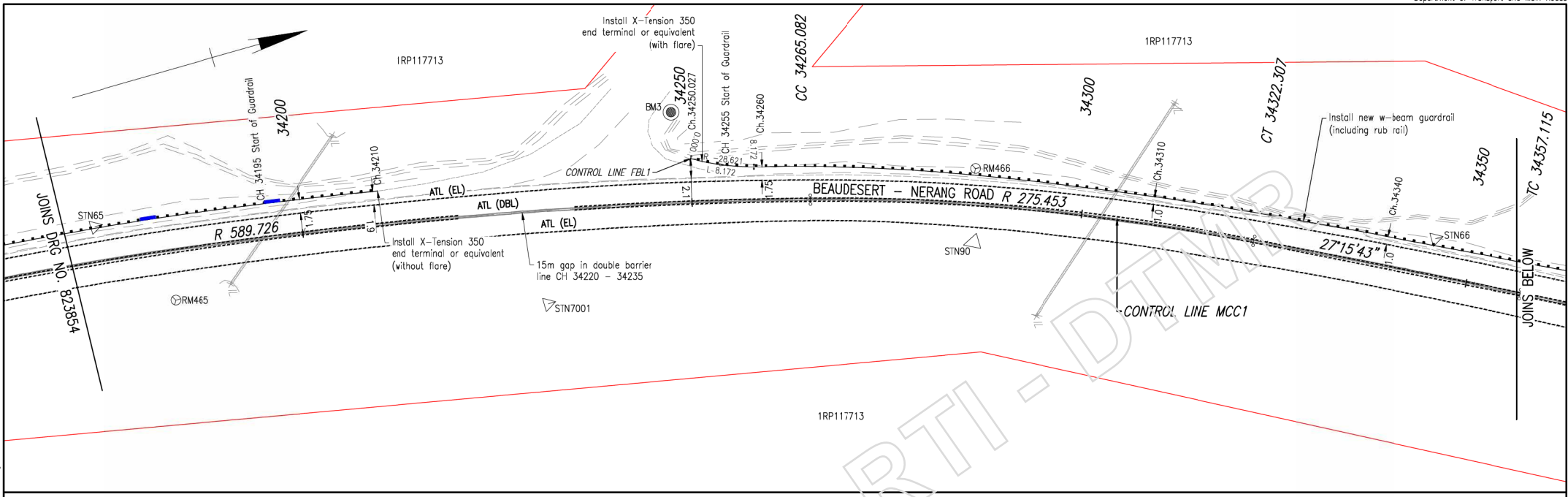
BEAUDESERT - NERANG ROAD (ROAD 202) HIGH RISK ROADS PROJECT - PACKAGE 2 (SITES 5-9) JOB No. 1115550

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 2/3/21
 Signed (if wet ink):

G M F D C B A Revisors/Descriptions Certification Date Microfiled	Associated Job Nos	Survey Data	Scales	CITY OF GOLD COAST					LOCALITY PLAN AND DRAWING INDEX				Job No. 230/202/1115550 Contract No. CN-13109 Drawing No. 823853 C Series Number DI-01 of 01 WRR Detail 02/14
	Auxiliary Drg Nos	Horiz. Grid		NTS	BEAUDESERT - NERANG ROAD (202)					SITES 5 TO 9			
		Datum: GDA94		CTL CHGE 34000 - 46700					ENGINEERING CERTIFICATION (RPEQ)				
		Height Origin: AHD Derived		Reference Points					Drawn: GEOFFREY FRY Designed: GEOFFREY FRY	NAME: WAYNE BRENNAN SIGNATURE: WAYNE BRENNAN NO. 08226 DATE 05/11/19			
		Survey Books: MR102409	Dimensions shown in metres except where shown otherwise	Preceding RP: 202/7	Dist. to start of job (km): 1.085	From start to end of job: 12.7	From end to Following RP: 1.31	Following RP: 202/10					
CAD FILES: G:\NERANG ROAD PROJECTS\202\230_202_1115550\Design\Acad\Current\As Cons\Site 5\02 Final As Cons\02 DI-1_C.dwg				Through Chainage From 34,000km - 46,700km									

Last Modified: Oct 15, 2024 - 5:23pm ARS: -



SURVEY SETOUT TABLE

NAME	EASTING	NORTHING	HEIGHT	COMMENT
BM3	521791.742	6903129.193	77.154	BM3_SPKT
STN65	521785.452	6903054.114	77.954	STN65_SPKT
STN66	521834.288	6903218.867	76.371	STN65_PIN
STN67	521922.772	6903350.448	75.882	STN67_PIN
STN90	521818.431	6903161.831	76.474	STN90_DMPY
STN7001	521810.971	6903107.288	77.838	STN7001_SPKT
RM465	521797.371	6903061.555	77.848	RM465_PIN
RM466	521809.425	6903164.750	76.924	RM466_SPKT
RM467	521924.051	6903356.283	75.634	RM467_PIN

- Notes:**
- For legends and notes, refer Drg Nc. 823854.
 - For rubrail detail refer Drg No. 823854.
 - For control line setout tables refer to Drg No. 823860.

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 17/3/2021
 Signed (if wet ink):

Associated Job Nos	Survey Data
Auxiliary Drg Nos	Horiz. Grid: MGA94 Zone56
Revisors/Descriptions	Certification
	Date
	Microfilmed

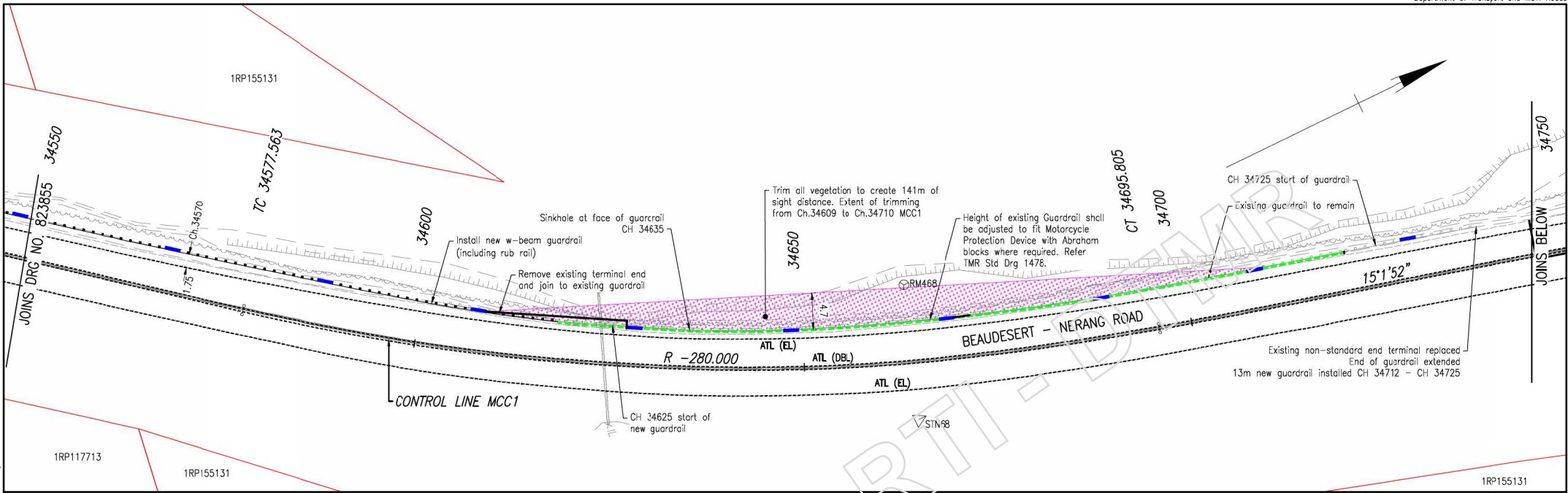
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0 2 4 6 8 10m	
SCALE 1:250 (A1)	
Dimensions shown in metres except where shown otherwise	

CITY OF GOLD COAST				
BEAUDESERT - NERANG ROAD (202)				
CTL CHGE 34000 - 46700				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
202/77	1.085	12.7	1.31	202/10
Through Chainage from 34,000km - 46,700km				

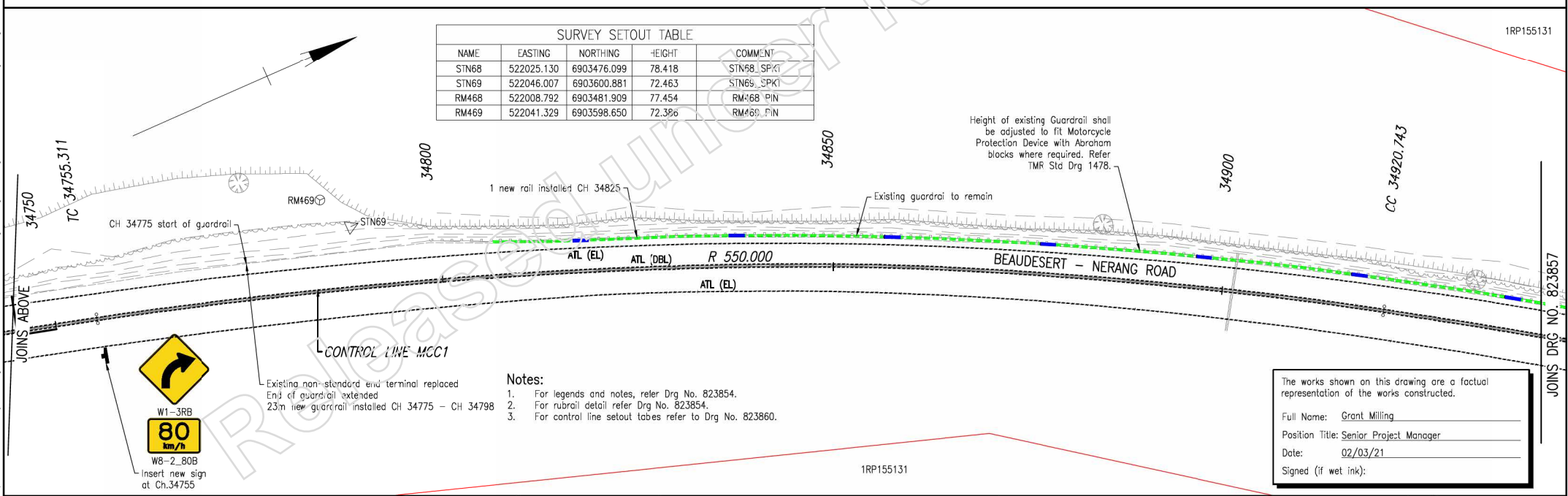
GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE				
SITE 5 - SHEET 2 OF 7				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
GEOFFREY FRY	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226 05/17/19

Job No.	230/202/1115550
Contract No.	CN-13109
Drawing No.	823855 C
Series Number	GA-02 of 15
WRR Detail (02/14)	

Last Modified: 15 Oct 19, 2024 - 5:27pm
 REVIS: 1 - Survey site 5.dwg; 2 - Control line 1, 250, site 4 and 5.dwg; 3 - design site 5.dwg; 4 - Control Setout Site 5.dwg; 5 - Design Site 5 - Site 5.dwg



SURVEY SETOUT TABLE				
NAME	EASTING	NORTHING	HEIGHT	COMMENT
STN68	522025.130	6903476.099	78.418	STN68_SPK1
STN69	522046.007	6903600.881	72.463	STN69_SPK1
RM468	522008.792	6903481.909	77.454	RM468_PIN
RM469	522041.329	6903598.650	72.386	RM469_PIN

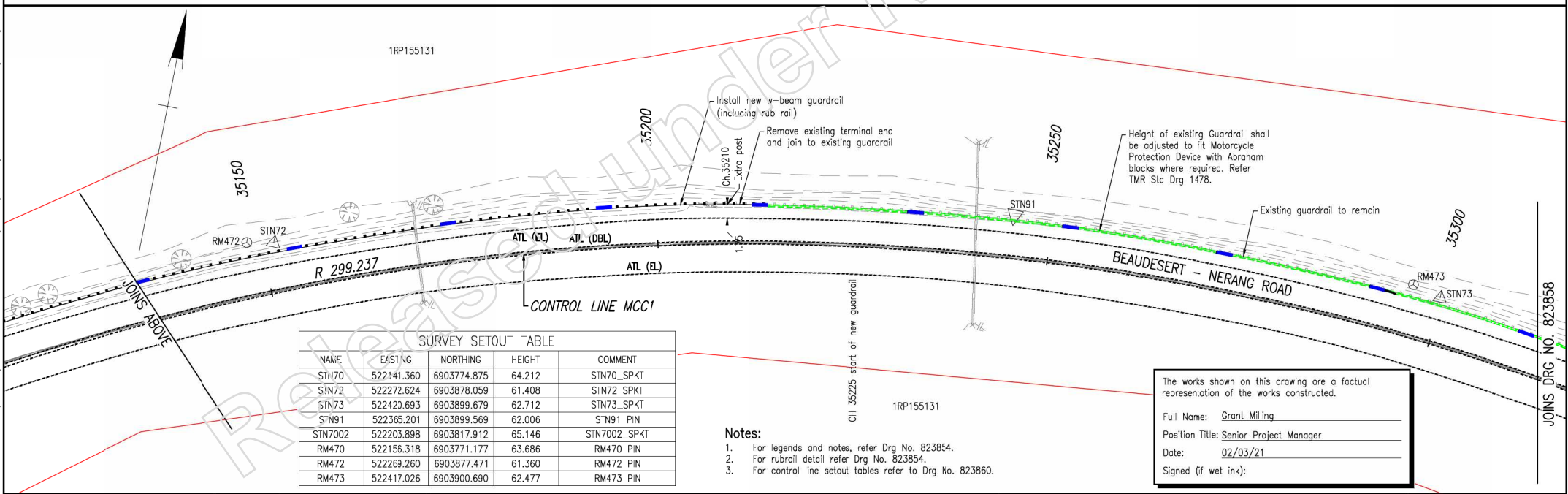
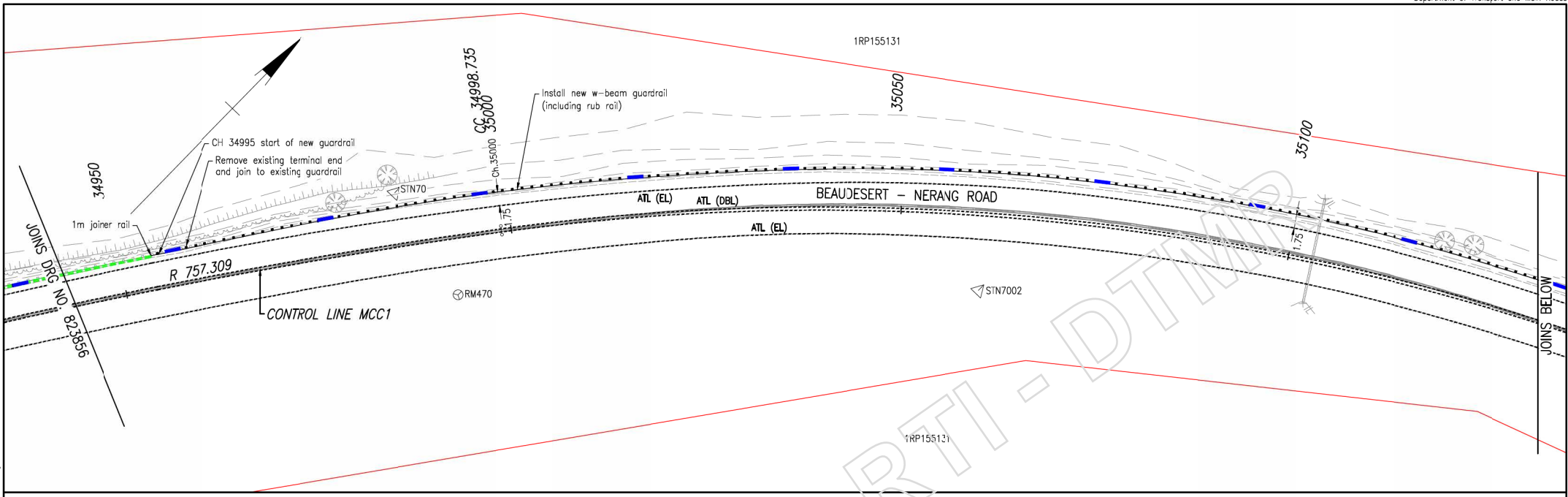


- Notes:**
- For legends and notes, refer Drg No. 823854.
 - For rubrail detail refer Drg No. 823854.
 - For control line setout tables refer to Drg No. 823860.

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):

Associated Job Nos Datum: GDA94 Auxiliary Drg Nos Horiz. Grid: MGA94 Zone56 Height Origin: AHD Derived Survey Books: MR102409		Scales 0 2 4 6 8 10m SCALE 1:250 (A1) Dimensions shown in metres except where shown otherwise		CITY OF GOLD COAST BEAUDESERT - NERANG ROAD (202) CTL CHGE 34000 - 46700 Reference Points Preceding RP: 202/77, Dist. to start of job (km): 1.085 From start to end of job: 12.7 From end to following RP: 1.31 Following RP: 202/10 Through Chainage From 34,000km - 46,700km				GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE SITE 5 - SHEET 3 OF 7 Drawn: GEOFFREY FRY Designed: GEOFFREY FRY ENGINEERING CERTIFICATION (RPEQ) ENG. AREA: CIVIL NAME: WAYNE BRENNAN SIGNATURE: WAYNE BRENNAN NO.: 08226 DATE: 05/11/19				Job No. 230/202/1115550 Contract No. CN-13109 Drawing No. 823856 C Series Number GA-03 of 15 WRR Detail (02/14)	
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SURVEY SETOUT TABLE

NAME	E/S/1/NG	NORTHING	HEIGHT	COMMENT
STN70	5227141.360	6903774.875	64.212	STN70_SPKT
STN72	522272.624	6903878.059	61.408	STN72_SPKT
STN73	522423.693	6903899.679	62.712	STN73_SPKT
STN91	522365.201	6903899.569	62.006	STN91_PIN
STN7002	522203.898	6903817.912	65.146	STN7002_SPKT
RM470	522156.318	6903771.177	63.686	RM470_PIN
RM472	522269.260	6903877.471	61.360	RM472_PIN
RM473	522417.026	6903900.690	62.477	RM473_PIN

- Notes:**
- For legends and notes, refer Drg No. 823854.
 - For rubrail detail refer Drg No. 823854.
 - For control line setout tables refer to Drg No. 823860.

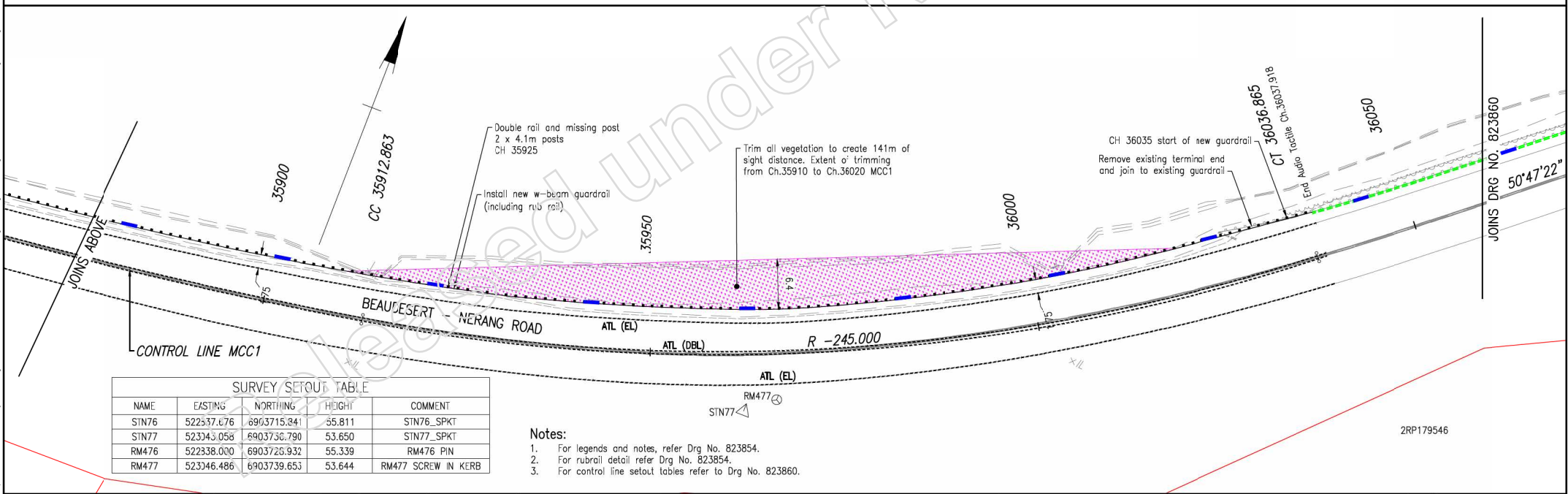
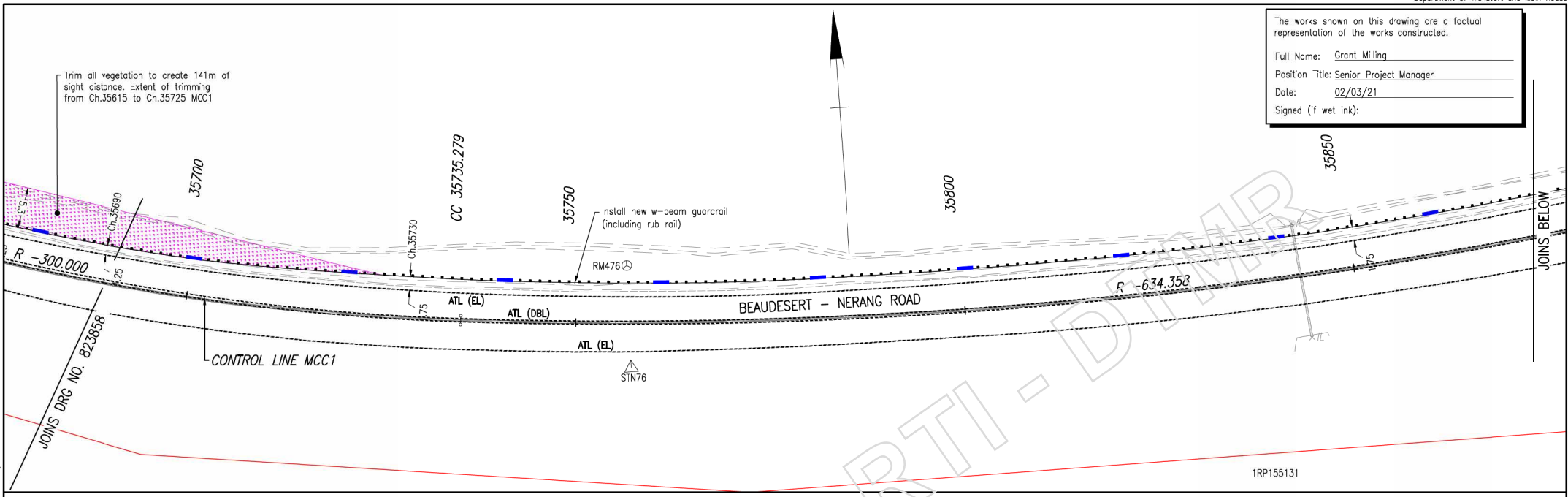
The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink): _____

<p>Associated Job Nos</p> <p>Auxiliary Drg Nos</p> <p>Revisors/Descriptions</p> <p>Certification</p> <p>Dcte</p> <p>Microfilied</p>	<p>Survey Data</p> <p>Datum: GDA94</p> <p>Horiz. Grid: MGA94 Zone56</p> <p>Height Origin: AHD Derived</p> <p>Survey Books: MR102409</p>	<p>Scales</p> <p>0 2 4 6 8 10m</p> <p>SCALE 1:250 (A1)</p> <p>Dimensions shown in metres except where shown otherwise</p>	<p style="text-align: center;">CITY OF GOLD COAST</p> <p style="text-align: center;">BEAUDESERT - NERANG ROAD (202)</p> <p style="text-align: center;">CTL CHGE 34000 - 46700</p> <p style="text-align: center;">Reference Points</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Preceding RP</th> <th>Dist. to start of job (km)</th> <th>From start to end of job</th> <th>From end to Following RP</th> <th>Following RP</th> </tr> <tr> <td>202/77</td> <td>1.085</td> <td>12.7</td> <td>1.31</td> <td>202/10</td> </tr> </table> <p>Through Chainage from 34,000km - 46,700km</p>	Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	202/77	1.085	12.7	1.31	202/10	<p style="text-align: center;">GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE</p> <p style="text-align: center;">SITE 5 - SHEET 4 OF 7</p> <p>Drawn: GEOFFREY FRY</p> <p>Designed: GEOFFREY FRY</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="4">ENGINEERING CERTIFICATION (RPED)</th> </tr> <tr> <th>ENG. AREA</th> <th>NAME</th> <th>SIGNATURE</th> <th>NO. DATE</th> </tr> <tr> <td>CIVIL</td> <td>WAYNE BRENNAN</td> <td>WAYNE BRENNAN</td> <td>08226 05/11/19</td> </tr> </table>	ENGINEERING CERTIFICATION (RPED)				ENG. AREA	NAME	SIGNATURE	NO. DATE	CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226 05/11/19	<p>Job No. 230/202/1115550</p> <p>Contract No. CN-13109</p> <p>Drawing No. 823857 C</p> <p>Series Number GA-04 of 15</p> <p style="text-align: right;">URR Detail (02/14)</p>
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP																							
202/77	1.085	12.7	1.31	202/10																							
ENGINEERING CERTIFICATION (RPED)																											
ENG. AREA	NAME	SIGNATURE	NO. DATE																								
CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226 05/11/19																								

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):



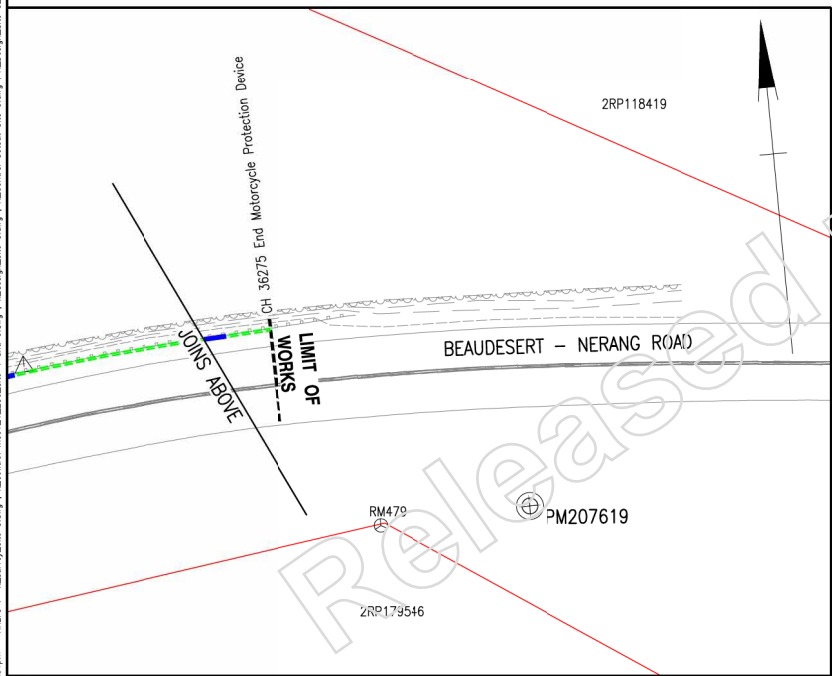
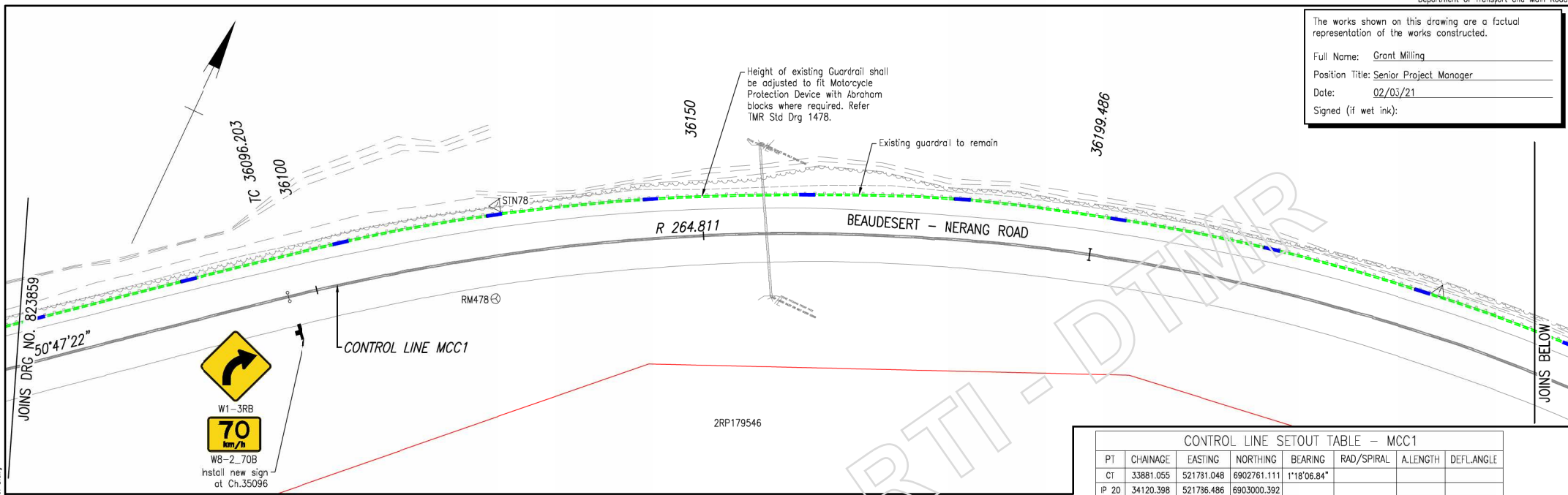
NAME	EASTING	NORTHING	HEIGHT	COMMENT
SIN76	522537.676	6903715.841	55.811	SIN76_SPKT
SIN77	523343.056	6903730.790	53.650	SIN77_SPKT
RM476	522338.000	6903725.932	55.339	RM476_PIN
RM477	523346.486	6903739.653	53.644	RM477_SCREW_IN KERB

- Notes:
- For legends and notes, refer Drg No. 823854.
 - For rubrail detail refer Drg No. 823854.
 - For control line setout tables refer to Drg No. 823860.

Associated Job Nos Datum: GDA94 Auxiliary Drg Nos Horiz. Grid: MGA94 Zone56 Height Origin: AHD Derived Survey Books: MR102409		Scales 0 2 4 6 8 10m SCALE 1:250 (A1) Dimensions shown in metres except where shown otherwise		CITY OF GOLD COAST BEAUDESERT - NERANG ROAD (202) CTL CHGE 34000 - 46700 Reference Points Preceding RP: 202/7, 1.085 Dist. to start of job (km): 12.7 From start to end of job: 1.31 From end to Following RP: 202/10 Through Chainage from 34.000km - 46.700km		GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE SITE 5 - SHEET 6 OF 7 Drawn: GEOFFREY FRY Designed: GEOFFREY FRY		ENGINEERING CERTIFICATION (RPEO) ENG. AREA: CIVIL NAME: WAYNE BRENNAN SIGNATURE: WAYNE BRENNAN NO.: 08226 DATE: 05/11/19		Job No. 230/202/1115550 Contract No. CN-13109 Drawing No. 823859 C Series Number GA-06 of 15 WRR Detail (02/14)	
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Last Modified: Oct 15, 2024 - 5:30pm
 CAD FILES: G:\NERANG\ROAD PROJECTS\202\230_202_111555\Design\Acad\Current\As Const\Site 5\02 Final As Const\GA FS_Site 5_Rev C.dwg
 ARSIS: X:\survey_site_s.dwg; X:\control_mcc1_1_250_site_4_and_5.dwg; X:\design_site_5.dwg; X:\control_setout_site_5.dwg; X:\Design_Site_5_Sheet_B.dwg

The works shown on this drawing are a factual representation of the works constructed.
 Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):



CONTROL LINE SETOUT TABLE - MCC1

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
CT	33881.055	521781.048	6902761.111	1°18'06.84"			
IP 20	34120.398	521786.486	6903000.392				
IP 21	34192.740	521788.138	6903073.080		R = 589.726	144.684	14°03'25.13"
IP 22	34265.082	521807.396	6903143.190				
IP 23	34293.694	521815.002	6903170.880		R = 275.453	57.225	11°54'11.21"
CT	34322.307	521828.155	6903196.406	27°15'43.18"			
TC	34357.115	521844.100	6903227.348	27°15'43.18"			
IP 24	34409.441	521888.155	6903274.031		R = 501.145	104.651	11°57'52.85"
CT	34461.766	521901.366	6903314.713	39°13'36.03"			
TC	34577.563	521974.595	6903404.415	39°13'36.03"			
IP 25	34636.684	522012.548	6903450.906		R = -280.000	118.242	24°11'44.19'
CT	34695.805	522028.113	6903508.869	15°01'51.84"			
TC	34755.311	522043.545	6903566.338	15°01'51.84"			
IP 26	34838.027	522055.160	6903646.832		R = 550.000	165.432	17°14'01.46"
CC	34920.743	522109.653	6903717.308	32°15'53.30"			
IP 27	34959.739	522130.489	6903750.312		R = 757.309	77.992	5°54'02.47"
CC	34998.735	522164.607	6903780.999	38°09'55.77"			
IP 28	35159.905	522255.096	6903921.580		R = 299.237	322.340	61°43'10.12'
CC	35321.075	522411.246	6903890.884	99°53'05.89"			
IP 29	35334.726	522454.707	6903888.539		R = 250.000	27.301	6°15'25.08"
CC	35348.376	522467.833	6903884.740	108°08'30.97"			
IP 30	35384.366	522502.580	6903874.683		R = 291.405	71.979	14°09'08.80"
CT	35420.355	522533.814	6903856.435	120°17'39.76"			
TC	35585.762	522676.633	6903772.997	120°17'39.76"			
IP 31	35607.193	522695.146	6903762.182		R = -599.480	42.863	4°05'47.97"
CC	35628.625	522714.384	6903752.716	116°11'51.80"			
IP 32	35681.952	522762.744	6903728.923		R = -300.000	106.654	20°22'10.12'
CC	35735.279	522816.361	6903723.450	95°49'41.68"			
IP 33	35824.071	522905.276	6903714.374		R = -634.358	177.583	16°02'22.23"
CC	35912.863	522932.236	6903730.218	79°47'19.45"			
IP 34	35974.864	523055.592	6903741.451		R = -245.000	124.002	28°59'57.07"
CT	36036.865	523104.685	6903781.505	50°47'22.38"			
TC	36096.203	523150.661	6903819.016	50°47'22.38"			
IP 35	36147.844	523191.190	6903852.083		R = 264.811	103.284	22°20'48.97"
IP 36	36199.486	523241.247	6903867.257	73°08'11.34"			

- Notes:
- For legends and notes, refer Drg No. 823854.
 - For rubrail detail refer Drg No. 823854.

CONTROL LINE SETOUT - FBL1

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	521798.122	6903129.977	31°35'50.36"			
IP 2	4.086	521800.278	6903133.481		R = -28.621	8.172	16°21'30.31"
IP 3	8.172	521801.359	6903137.456	15°14'20.05"			

CONTROL LINE SETOUT - FBL2

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	522692.037	6903771.513	43°37'51.08"			
IP 2	4.108	522694.515	6903768.147		R = -18.143	8.216	25°56'45.65"
IP 3	8.216	522698.216	6903766.205	117°41'05.44"			

SURVEY SETOUT TABLE

NAME	EASTING	NORTHING	HEIGHT	COMMENT
PM207619	523329.622	6903864.285	57.357	PM207619 TYPE C
STN78	523169.870	6903840.893	60.935	STN78_SPKT
STN79	523283.815	6903881.779	60.003	STN79_SPKT
RM478	523174.837	6903830.037	60.398	RM478 SCREW IN KERB
RM479	523315.567	6903863.817	58.576	RM479 PIN

Associated Job Nos	Survey Data	Datum	GDA94
Auxiliary Drg Nos	Horiz. Grid	GA94	Zone56
Revisors/Descriptions	Certification	Dcte	Microfilied

CITY OF GOLD COAST
BEAUDESERT - NERANG ROAD (202)
CTL CHGE 34000 - 46700

Reference Points

Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
202/77	1.085	12.7	1.31	202/10

Through Chainage From 34,000km - 46,700km

GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE
SITE 5 - SHEET 7 OF 7

Drawn	GEOFFREY FRY	ENGINEERING CERTIFICATION (RPED)	NAME	SIGNATURE	NO.	DATE
Designed	GEOFFREY FRY	CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226	05/11/19

Queensland Government

Job No. 230/202/1115550
 Contract No. CN-13109
 Drawing No. 823860 C
 Series Number GA-07 of 15
 WRR Detail (02/14)

Last Modified: Oct 15, 2024 - 5:31pm
 ARSIS - L:\survey_site_5.dwg; X:\control_mcc1_1_250_site_4_end_5.dwg; X:\design_site_5.dwg; X:\control_setout_site_5.dwg; X:\Design_Site_5_Sep_Baney
 CAD FILES: G:\NERANG\ROAD\PROJECTS\202\202_1115550\Design\Acad\Current\As Cons\Site 5\02 Final As Cons\GA FS_Site 5_Rev C.dwg



Site 6 is a Class D Project as defined in the Supplement to Austroads Guide to Road Design Part 1

Trim all vegetation within 3.0m of the back of kerb.

Existing Clagiraba Road Directional Sign

Trim all vegetation within 3.0m of the back of kerb.

BEAUDESERT - NERANG ROAD

JOINS DRG NO. 823862

Pavement Marking Legend

	Width/ material
EL Edge line	150mm/ white paint
OL Chevron out line	150mm/ white paint
SL Stop line	300mm/ white paint
CLL Continuous lane line	150mm/ white paint

Existing pavement arrow
New pavement arrow



Raised pavement markers in median to be installed between every second chevron space and be centrally aligned.

Sign Legend



Survey Legend



Design Legend



Pavement Marking and Signage Notes:

1. Refer Std Drg 1363 and 1368 for sign installation details. Clearance, H=2.5m unless stated otherwise. All new single support signs to be 50NB CHS non-slip base, unless directed otherwise by Administrator.
2. All new signs to be size B, unless stated otherwise.
3. Retroreflective raised pavement markers to be installed with all new pavement marking in accordance with MUTCD.
4. Contractor to replace damaged sign faces if so directed by the Superintendent.
5. All signs to be installed in accordance with the MUTCD.
6. The Contractor shall check for possible service conflicts prior to the installation of signs.
7. New pavement markings to be installed in accordance with the MUTCD.
8. Arrow spacing to be 15m unless noted otherwise.
8. Existing line marking not consistent with this design to be removed.

The works shown on this drawing are a factual representation of the works constructed.

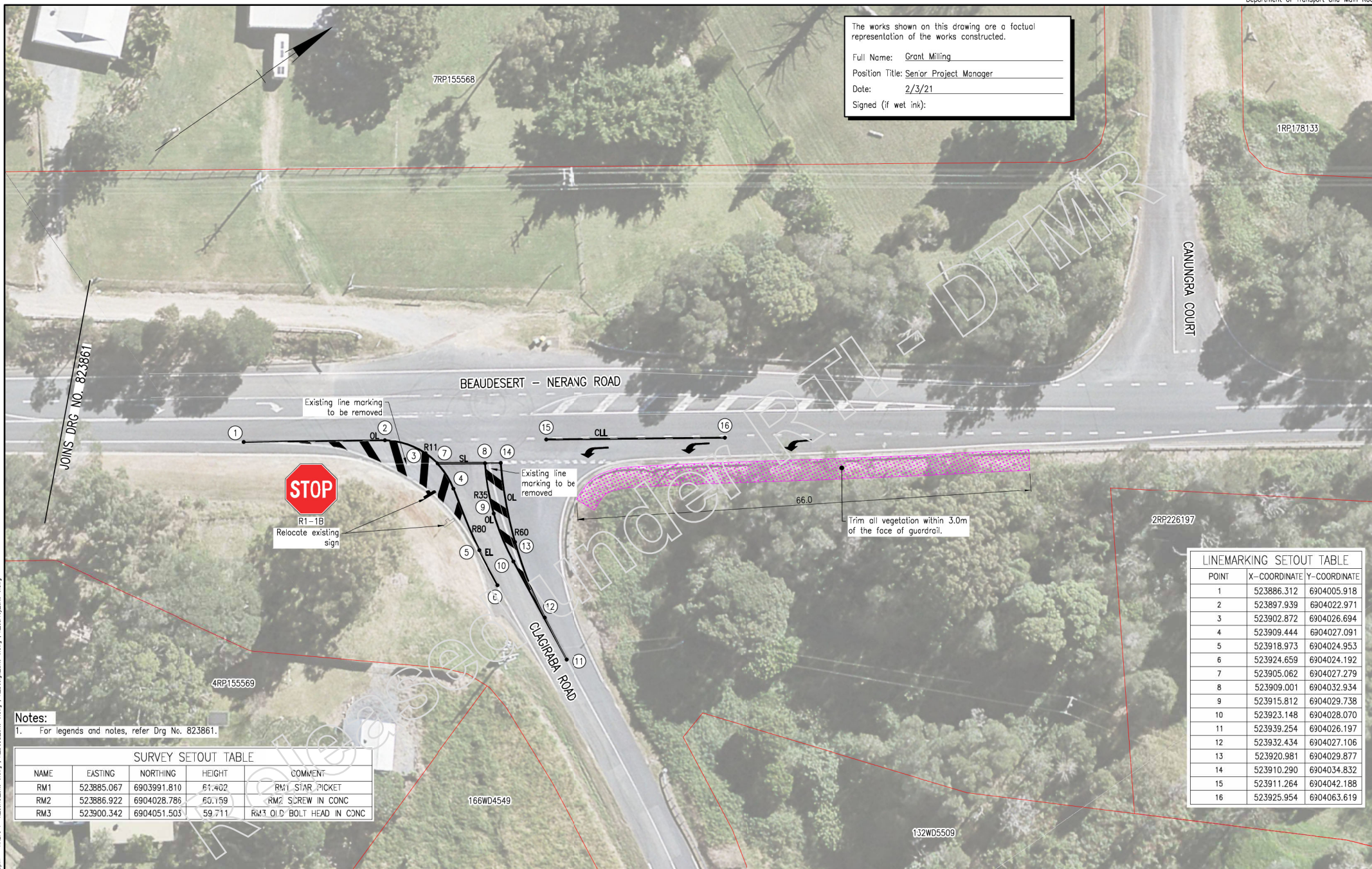
Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 2/3/21
 Signed (if wet ink):

Last Modified: Oct 16, 2024 - 5:53pm ARSIS - C:\projects\site_6.dwg; X:\Design_Site_6.dwg; X:\survey_site_6.dwg

Associated Job Nos		Survey Data		Scales		CITY OF GOLD COAST		GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE		<p>Queensland Government</p>
Auxiliary Drg Nos		Datum: GDA94		0 2 4 6 8 10m		BEAUDESERT - NERANG ROAD (202)		SITE 6 - SHEET 1 OF 2		
Height Origin		MGA94 Zone56		SCALE 1:250 (A1)		CTL CHGE 34000 - 46700		ENGINEERING CERTIFICATION (RPEO)		Contract No. CN-13109
Survey Books		MR102409		Dimensions shown in metres except where shown otherwise		Reference Points		Drawn: GEOFFREY FRY		Drawing No. 823861
Revisors/Descriptions		Certification		Dcte		Microfilied		Designed: GEOFFREY FRY		Series Number GA-08 of 15
CIVIL		WAYNE BRENNAN		08226		05/11/19		NO. DATE		URR Detail 02/14
CIVIL		WAYNE BRENNAN		WAYNE BRENNAN		08226		05/11/19		
Through Chainage		From 34.000km		To 46.700km						

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Miling
 Position Title: Senior Project Manager
 Date: 2/3/21
 Signed (if wet ink):



Notes:
 1. For legends and notes, refer Drg No. 823861.

NAME	EASTING	NORTHING	HEIGHT	COMMENT
RM1	523885.067	6903991.810	61.402	RM1 STAR PICKET
RM2	523886.922	6904028.786	60.159	RM2 SCREW IN CONC
RM3	523900.342	6904051.503	59.711	RM3 OLD BOLT HEAD IN CONC

POINT	X-COORDINATE	Y-COORDINATE
1	523886.312	6904005.918
2	523897.939	6904022.971
3	523902.872	6904026.694
4	523909.444	6904027.091
5	523918.973	6904024.953
6	523924.659	6904024.192
7	523905.062	6904027.279
8	523909.001	6904032.934
9	523915.812	6904029.738
10	523923.148	6904028.070
11	523939.254	6904026.197
12	523932.434	6904027.106
13	523920.981	6904029.877
14	523910.290	6904034.832
15	523911.264	6904042.188
16	523925.954	6904063.619

Associated Job Nos		Survey Data		Scales		CITY OF GOLD COAST		GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE		<p>Job No. 230/202/1115550 Contract No. CN-13109 Drawing No. 823862 B Series Number GA-09 of 15 IRR Detail 02/14</p>	
Datum: GDA94		MGA94 Zone56		SCALE 1:250 (A1)		BEAUDESERT - NERANG ROAD (202)		SITE 6 - SHEET 2 OF 2			
Auxiliary Drg Nos		Height Origin: AHD Derived		Dimensions shown in metres except where shown otherwise		CTL CHGE 34000 - 46700		Reference Points		Drawn: GEOFFREY FRY Designed: GEOFFREY FRY ENGINEERING CERTIFICATION (RPEQ) NAME: WAYNE BRENNAN SIGNATURE: [Signature] NO. 08226 DATE 05/11/19	
Revisors/Descriptions		Survey Books: MR102409		Through Chainage From 34.000km - 46.700km		Preceding RP: 202/7		Dist. to start of job (km): 1.085			From start to end of job: 12.7
Certification		Microfilied				From end to following RP: 1.31		Following RP: 202/10			

Last Modified: Oct 16, 2024 - 5:35pm
 ARSIS - X:\ar_sis\site_6.dwg ; X:\ar_sis\site_6.dwg ; X:\ar_sis\site_6.dwg ; X:\ar_sis\site_6.dwg ; X:\ar_sis\site_6.dwg

Site 7 is a Class D Project as defined in the Supplement to Austroads Guide to Road Design Part 1



231WD5479

End of existing guardrail

W2-15B(R)
New Sign

26.0

BEAUDESERT - NERANG ROAD

JOINS DRG NO. 823864

RIVERGLEN COURT

MUNGINDIE COURT

260WD5719

Design Legend

Vegetation Trimming

Trimming all vegetation

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Miling
 Position Title: Senior Project Manager
 Date: 2/3/21
 Signed (if wet ink): _____

Sign Legend

Existing sign
 New sign

Survey Legend

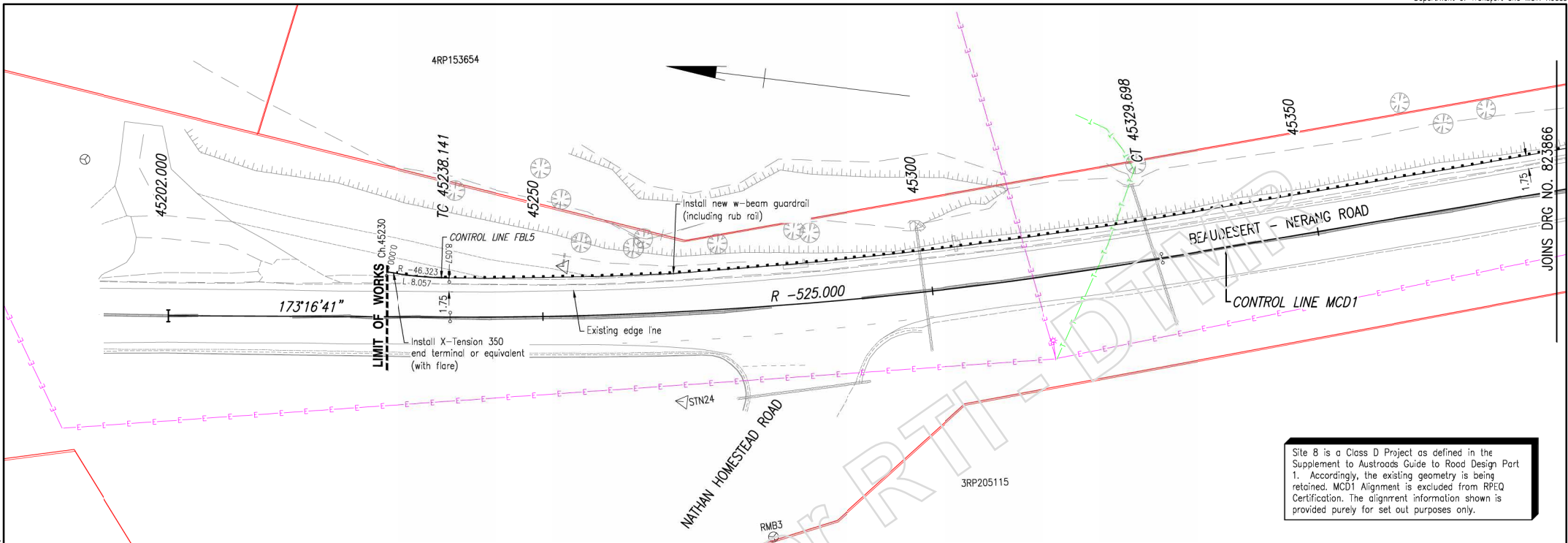
Property Boundary

Service Notes

1. Some of the existing services information shown on the drawings has been compiled from DBYD information.
2. The information is not intended to provide the Contractor with complete or accurate information concerning the location and extent of services.
3. The Contractor shall make enquiries to the service authorities regarding the location, depth and extent of services prior to commencement of work on the site.
4. The Contractor will be solely responsible for any damage to existing services as a result of the execution of work under the Contract.
5. No work shall be carried out within 3 meters of any existing services without prior recorded consultation with the relevant authority.

Last Modified: Oct 16, 2024 - 5:41pm. ARSIS - X:\DDBE_Site 6.dwg; X:\Aerial_Site 7.dwg

Associated Job Nos		Survey Data		Scales		CITY OF GOLD COAST		GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE		Queensland Government											
		Datum: GDA94		0 2 4 6 8 10m		BEAUDESERT - NERANG ROAD (202)		SITE 7 - SHEET 1 OF 2		Job No. 230/202/1115550											
Auxiliary Drg Nos		Horiz. Grid: MGA94 Zone56		SCALE 1:250 (A1)		CTL CHGE 34000 - 46700				Contract No. CN-13109											
B As Constructed		Height Origin: AH/D Derived		Dimensions shown in metres except where shown otherwise		Reference Points		Drawn: GEOFFREY FRY		ENGINEERING CERTIFICATION (RPEQ)											
A Issued For Construction		Survey Books: MR102409		Preceding RP: 202/77		Dist. to start of job (km): 1.085		Designed: GEOFFREY FRY		<table border="1"> <tr> <th>ENG. AREA</th> <th>NAME</th> <th>SIGNATURE</th> <th>NO.</th> <th>DATE</th> </tr> <tr> <td>CIVIL</td> <td>WAYNE BRENNAN</td> <td>WAYNE BRENNAN</td> <td>08226</td> <td>05/11/19</td> </tr> </table>		ENG. AREA	NAME	SIGNATURE	NO.	DATE	CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226	05/11/19
ENG. AREA	NAME	SIGNATURE	NO.	DATE																	
CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226	05/11/19																	
Revisors/Descriptions		Certification		Date		From start to end of job: 12.7				Job No. 230/202/1115550											
		Dctc		Microfilied		From end to Following RP: 1.31				Contract No. CN-13109											
						Through Chainage From 34.000km - 46.700km				Drawing No. 823863 B											
										Series Number GA-10 of 15											
										RRR Detail (02/14)											



Site 8 is a Class D Project as defined in the Supplement to Austroads Guide to Road Design Part 1. Accordingly, the existing geometry is being retained. MCD1 Alignment is excluded from RPEQ Certification. The alignment information shown is provided purely for set out purposes only.

Property Boundary

Sign Legend

Existing sign

Notes:

- For control line setout tables refer to Drg No. 823865.
- For guardrail details refer TMR Std Drg 1474.

Survey Legend

- Property Boundary
- Existing O/H electricity (located)
- Existing U/G Telstra cable (located)
- Existing power pole
- Existing street light

Service Notes

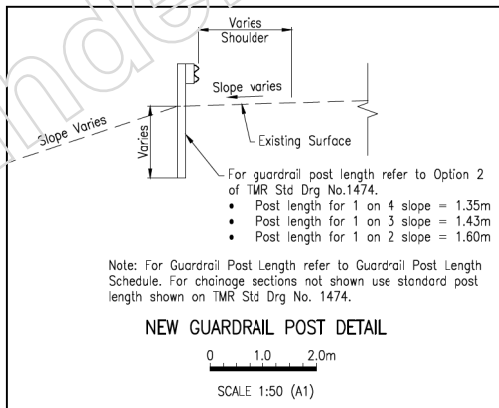
- Some of the existing services information shown on the drawings has been compiled from DBYD information.
- The information is not intended to provide the Contractor with complete or accurate information concerning the location or extent of services.
- The Contractor shall make enquiries to the service authorities regarding the location, depth and extent of services prior to commencement of work on the site.
- The Contractor will be solely responsible for any damage to existing services as a result of the execution of work under the Contract.
- No work shall be carried out within 3 meters of any existing services without prior recorded consultation with the relevant authority.

GUARDRAIL POST LENGTH SCHEDULE

MCC1 CHAINAGES	GUARDRAIL POST LENGTH
Ch 45230 - Ch 45260	1.1m
Ch 45260 - Ch 45290	1.4m
Ch 45290 - Ch 45306	1.6m
Ch 45306 - Ch 45440	1.4m
Ch 45440 - Ch 45448	Option 5 Footing
Ch 45448 - Ch 45465	1.1m

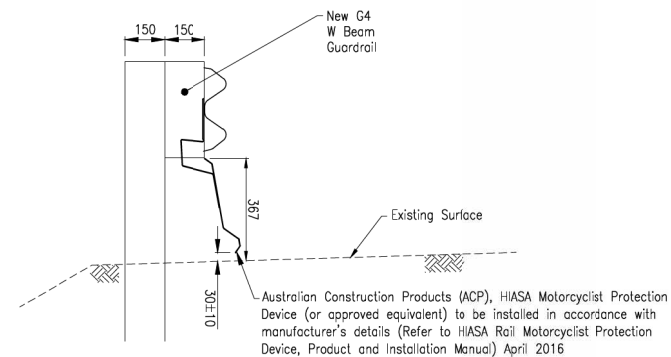
The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):



Notes:

- For control line setout table refer to Drg No. 823866.



**ACP HIASA MOTORCYCLIST PROTECTION DEVICE (RUBRAIL)
 ATTACHED TO NEW GUARDRAIL**

NIS

Last Modified: Oct 15, 2024 - 5:41pm
 ARSIS - X:\DDBS_Site Setup - X_Aerial_Site Setup - X_survey_site Setup - X_design_site Setup - X_Control MCD1_1_250_Site Setup
 CAD FILES G:\NERANG ROAD PROJECTS\2021\2021_1115553\Design\Acad\Current\As Cons\Site B\02 Final As Cons\GA FS_Site 8_Rev C.dwg

Associated Job Nos	Survey Data	Datum	GDA94
Auxiliary Drg Nos	Horiz. Grid	MGA94	Zone56
	Height Origin	AHD	Derived
	Survey Books	MR102409	
Revisors/Descriptions	Certification	Dcte	Microfilied

Scales		0 2 4 6 8 10m	
SCALE 1:250 (A1)		Dimensions shown in metres except where shown otherwise	

CITY OF GOLD COAST				
BEAUDESERT - NERANG ROAD (202)				
CTL CHGE 34000 - 46700				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
202/7	1.085	12.7	1.31	202/10
Through Chainage from 34,000km - 46,700km				

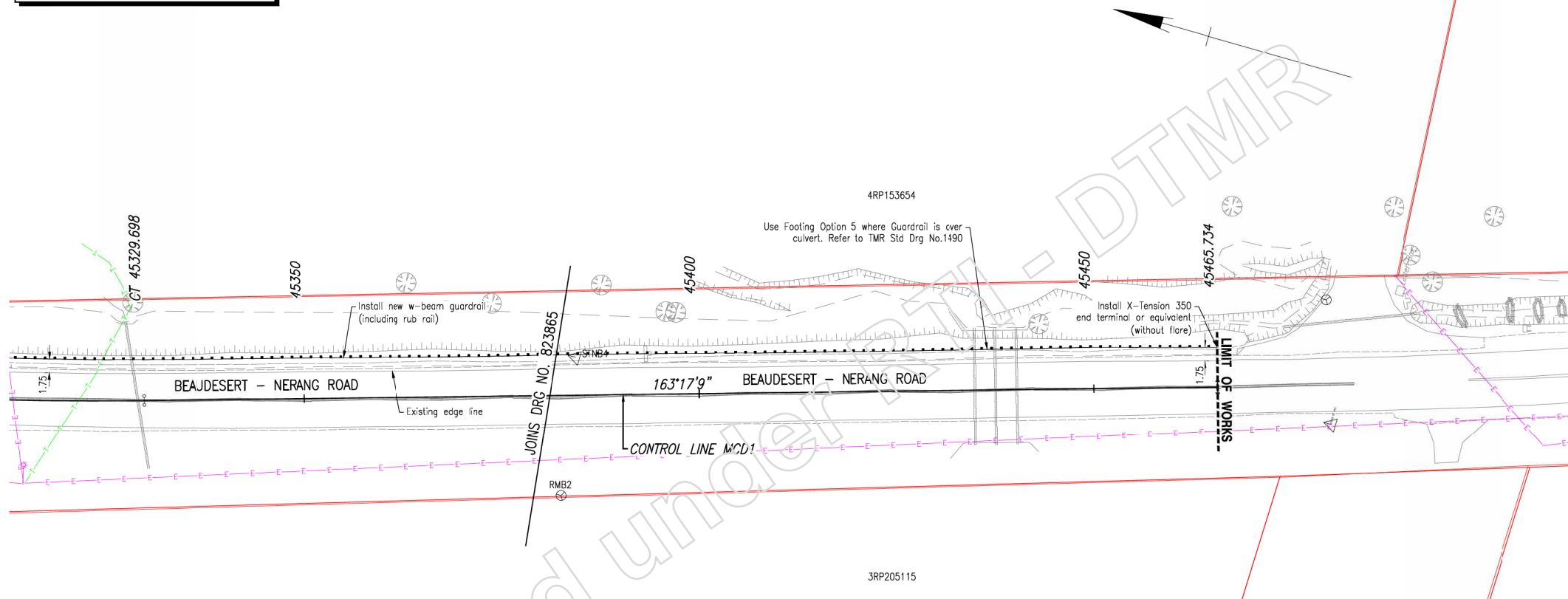
GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE				
SITE 8 - SHEET 1 OF 2				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
GEOFFREY FRY	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226 05/11/19
GEOFFREY FRY				

Queenland Government

Job No. 230/202/1115550
 Contract No. CN-13109
 Drawing No. 823865 C
 Series Number GA-12 of 15
 IRR Detail (02/14)

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink): _____



- Notes:**
- For legends and notes, refer Drg No. 823865.
 - For rubrail detail refer Drg No. 823865.

NAME	EASTING	NORTHING	HEIGHT	COMMENT
STNB1	527779.675	6903640.913	109.941	STNB1 ST PKT
STNB2	527791.360	6903733.157	104.425	STNB2 ST PKT
STNB3	527723.541	6903891.480	86.217	STNB3 ST PKT
STNB4	527705.319	6903985.853	82.853	STNB4 PEG
STNB5	527674.624	6904112.712	82.048	STNB5 PEG
STN24	527659.321	6904095.428	84.717	STN24 ST PKT
RMB1	527738.527	6903898.457	86.218	RMB1 SPIKE
RMB2	527687.925	6903982.773	81.207	RMB2 ST PKT
RMB3	527643.535	6904081.902	86.330	RMB3 ST PKT
RMB4	527680.766	6904175.388	80.145	RMB4 PEG
PM197976	527775.916	6903802.556	98.758	PM197976 ST PKT

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFLANGLE
IP 1	45202.000	527662.207	6904162.287	173°1'40.74"			
TC	45238.141	527666.438	6904126.395	173°1'40.74"			
IP 2	45283.920	527671.810	6904080.815		R = -525.000	91.557	9°57'31.55"
CT	45329.698	527685.009	6904036.859	163°17'09.19"			
IP 3	45465.734	527724.133	6903906.571	163°17'09.19"			

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFLANGLE
IP 1	0.000	527671.205	6904135.165	183°38'33.63"			
IP 2	4.028	527670.948	6904131.135		R = -46.323	8.057	9°57'54.17"
IP 3	8.057	527671.393	6904127.121	173°40'39.46"			

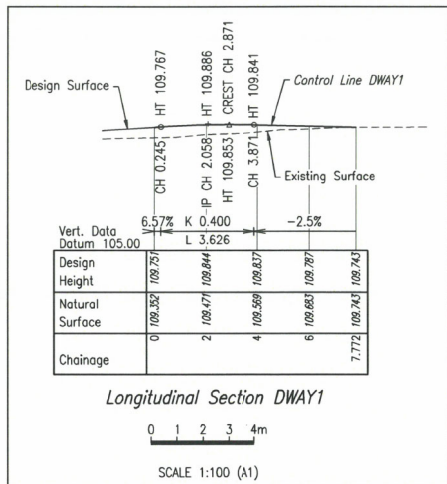
Last Modified: Oct 15, 2024 - 5:45pm. PLOTS: G:\DDBS_Site Setup\X_Aerial_Site Setup; X_design_site Setup; X_survey_site Setup; X_Control MCD1_1_200_Site Setup

Associated Job Nos Datum: GDA94 Auxiliary Drg Nos Horiz. Grid: MGA94 Zone56 Height Origin: AHD Derived Survey Books: MR102409	Scales 0 2 4 6 8 10m SCALE 1:250 (A1) Dimensions shown in metres except where shown otherwise	CITY OF GOLD COAST BEAUDESERT - NERANG ROAD (202) CTL CHGE 34000 - 46700 Reference Points Preceding RP: 202/7, 1.085; Dist. to start of job (km): 12.7; From end to Following RP: 1.31; Following RP: 202/10 Through Chainage from 34,000km - 46,700km		GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE SITE 8 - SHEET 2 OF 2		Drawn: GEOFFREY FRY Designed: GEOFFREY FRY	ENGINEERING CERTIFICATION (RPEQ) ENG. AREA: CIVIL; NAME: WAYNE BRENNAN; SIGNATURE: WAYNE BRENNAN; NO.: 08226; DATE: 05/17/19		Job No. 230/202/1115550 Contract No. CN-13109 Drawing No. 823866 B Series Number GA-13 of 15 IRR Detail (02/14)
		Revisors/Descriptions Christopher Conrad Wojcik, Project Support Officer, 28/06/22		Queensland Government					

SURVEY SETOUT TABLE				
NAME	EASTING	NORTHING	HEIGHT	COMMENT
STN30	528055.485	6903154.569	109.119	STN30 ORIG PEG
STN42	528105.614	6903049.022	110.230	STN42 ST PKT
STN41	528179.418	6903003.508	107.573	STN41 ST PKT
STN31	528249.195	6903002.918	101.837	STN31 ORIG PEG
RMA3	528112.343	6903089.939	109.626	RMA3 ST PKT
RMA2	528202.846	6903022.935	103.050	RMA2 SPIKE
RMA1	528244.340	6902986.729	102.725	RMA1 SPIKE

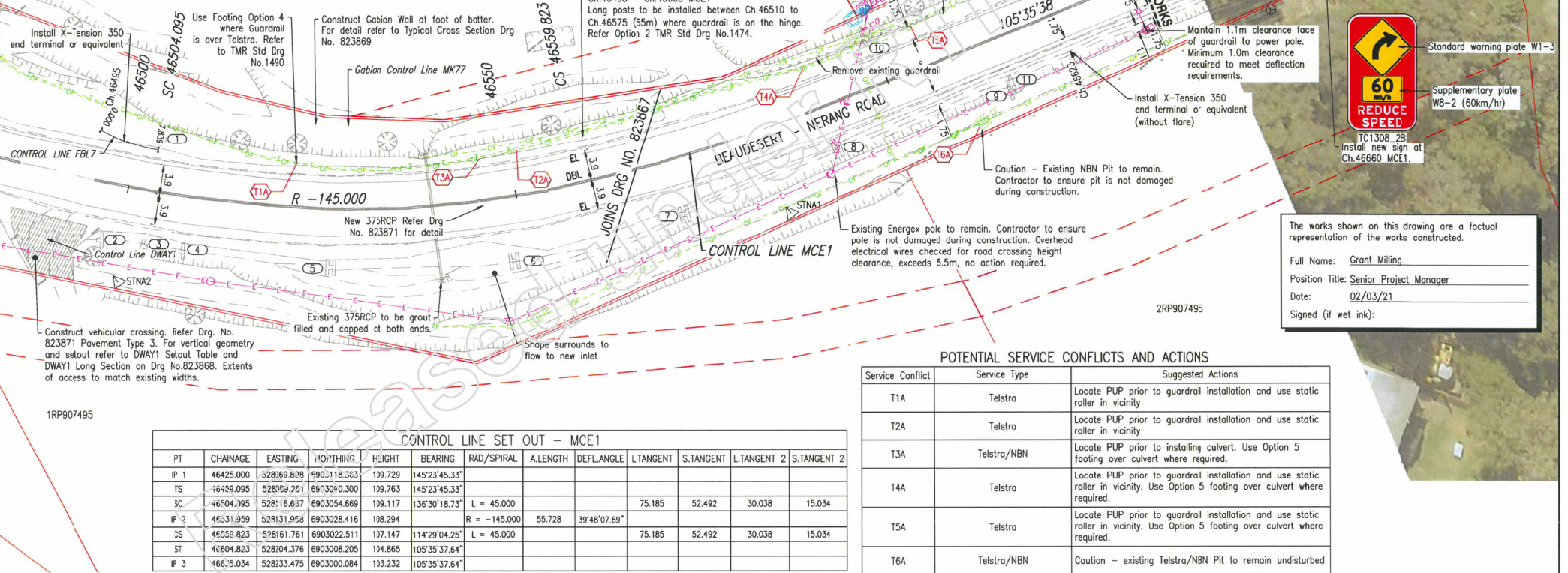
CONTROL LINE SET OUT - DWAY1							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	528103.733	6903061.019	230°55'35.76"			
TC	0.887	528103.044	6903060.460	230°55'35.76"			
IP 2	4.330	528100.302	6903058.234	R = -12.500	6.886	31°33'40.38"	
IP 3	7.772	528099.131	6903054.901	199°21'55.38"			

CONTROL LINE SET OUT - MK77						
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	
IP 1	0.000	528135.153	6903053.641	104.050	140°48'59.23"	
	5.000	528138.312	6903049.765	103.925	140°48'59.23"	
IP 2	6.165	528139.048	6903048.862	103.896		
	10.000	528142.005	6903046.420	103.800	129°33'26.58"	
	15.000	528145.860	6903043.235	103.850	129°33'26.58"	
	20.000	528149.715	6903040.051	104.100	129°33'26.58"	
IP 3	21.448	528150.831	6903039.129	104.172	129°33'26.58"	



CONTROL LINE SET OUT - FBL7							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	528115.616	6903065.870	157°45'57.05"			
IP 2	3.920	528117.316	6903062.201	R = -21.239	7.839	21°08'50.01"	
IP 3	7.839	528120.639	6903059.319	136°37'07.04"			

Notes:
 1. For legends and notes, refer Drg No. 823867.
 2. For rubrail detail refer Drg No. 823867.



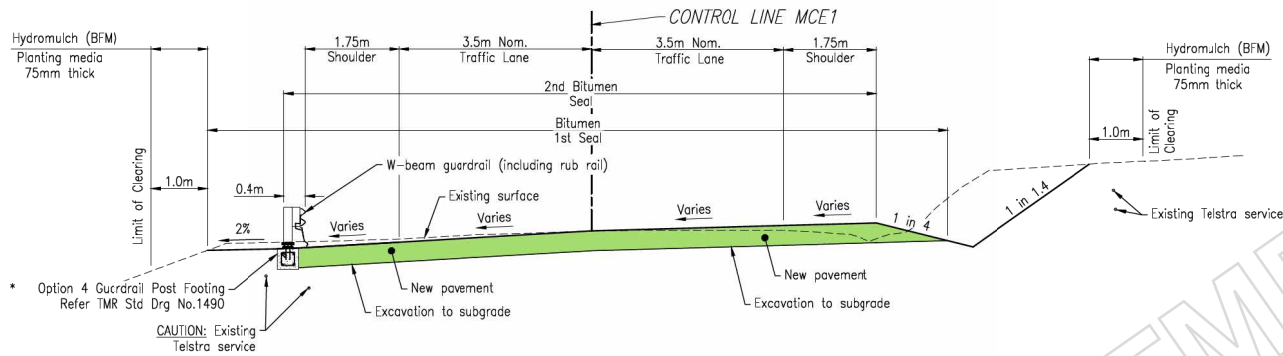
CONTROL LINE SET OUT - MCE1												
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE	L.TANGENT	S.TANGENT	L.TANGENT 2	S.TANGENT 2
IP 1	46425.000	528069.808	6903118.323	109.729	145°23'45.33"							
TS	46459.095	528059.291	6903090.300	109.763	145°23'45.33"							
SC	46504.095	528116.637	6903054.669	109.117	136°30'18.73"	L = 45.000			75.185	52.492	30.038	15.034
IP 2	46531.959	528131.958	6903028.416	108.294	R = -145.000		55.728	39°48'07.69"				
CS	46559.823	528161.761	6903022.511	107.147	114°29'04.25"	L = 45.000			75.185	52.492	30.038	15.034
ST	46604.823	528204.376	6903008.205	104.865	105°35'37.64"							
IP 3	46635.034	528233.475	6903000.084	103.232	105°35'37.64"							

POTENTIAL SERVICE CONFLICTS AND ACTIONS		
Service Conflict	Service Type	Suggested Actions
T1A	Telstra	Locate PUP prior to guardrail installation and use static roller in vicinity
T2A	Telstra	Locate PUP prior to guardrail installation and use static roller in vicinity
T3A	Telstra/NBN	Locate PUP prior to installing culvert. Use Option 5 footing over culvert where required.
T4A	Telstra	Locate PUP prior to guardrail installation and use static roller in vicinity. Use Option 5 footing over culvert where required.
T5A	Telstra	Locate PUP prior to guardrail installation and use static roller in vicinity. Use Option 5 footing over culvert where required.
T6A	Telstra/NBN	Caution - existing Telstra/NBN Pit to remain undisturbed

G F E D C As Constructed Christopher Conrad Wojcik, Project Support Officer 28/06/22 B Guardrail Revised Grant Milling, CIVL, 12925 02/03/21 A Issued For Construction		Associated Job Nos Survey Data Datum GDA94 Auxiliary Drg Nos Horiz. Grid MGA94 Zone5E Height Origin AHD Derived Survey Books MR102409	Scales 0 2 4 6 8 10m SCALE 1:250 (A1) Dimensions shown in metres except where shown otherwise	CITY OF GOLD COAST BEAUDESERT - NERANG ROAD (202) CTL CHGE 34000 - 46700 Reference Points Preceding RP 202/7 1.085 Dist. to start of job (km) 12.7 From start to end of job 1.31 From end to following RP 202/10 Through Chainage from 34,000km - 46,700km	GENERAL ARRANGEMENT, PAVEMENT MARKING AND SIGNAGE SITE 9 - SHEET 2 OF 2 Drawn GEOFFREY FRY Designed GEOFFREY FRY ENGINEERING CERTIFICATION (PEQD) ENG. AREA NAME SIGNATURE NO. DATE CIVIL WAYNE BRENNAN WAYNE BRENNAN 08226 05/11/19	Queensland Government Job No. 230/202/1115550 Contract No. CN-13109 Drawing No. 823868 Series Number GA-15 of 15 MRR Detail 102/141
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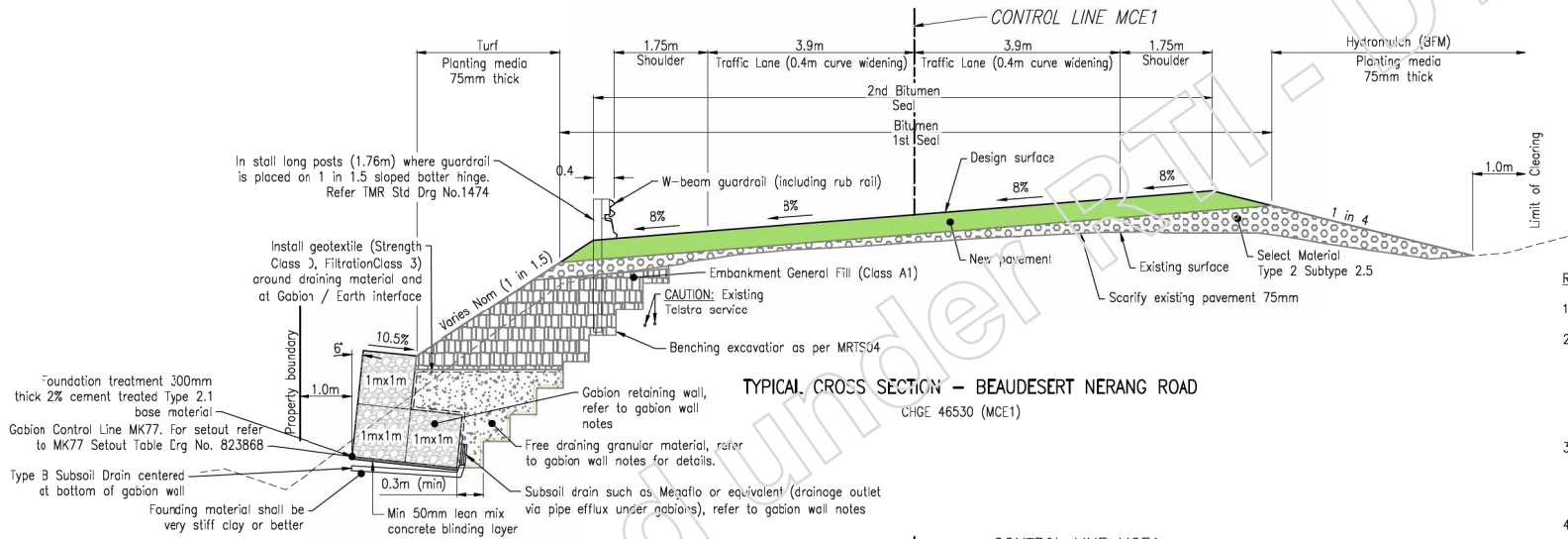
* Use of Option 5 Post Footing to be determined on site by the Superintendent.

CAUTION: TELSTRA IN VICINITY OF GUARDRAIL INSTALLATION



TYPICAL CROSS SECTION - BEAUDESERT NERANG ROAD
CHGE 46604.823 (MCE1)

Note: For subgrade treatment refer Drg No.823871



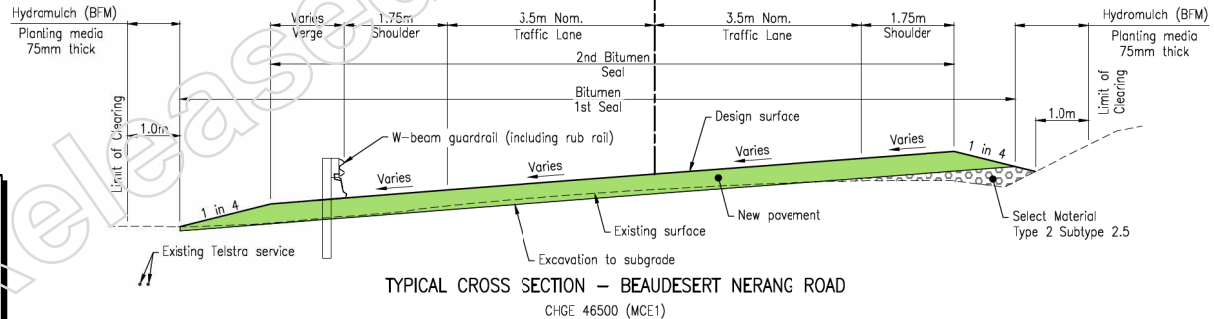
TYPICAL CROSS SECTION - BEAUDESERT NERANG ROAD
CHGE 46530 (MCE1)

Rock Filled Gabion Retaining Wall Notes:

- Gabions shall be supplied and installed in accordance with the MRTS03 January 2019 Specification.
- The condition of the materials beneath the proposed gabion wall is not known. The Contractor shall engage a suitably qualified and Registered Geotechnical Engineer to inspect the foundation and the cut face and assess whether the proposed wall is suitable for the intended use. The Contractor shall undertake any testing of the in-situ materials required to enable the Geotechnical Engineer to undertake the assessment.
- Where in-situ material on which the foundation is to be constructed is other than rock, the material shall be compacted as for material at the bottom of excavations in accordance with the MRTS04 General Earthworks Specification November 2018.
- Temporary excavation angle shall be nominated by the Contractor. The slope shown in the gabion typical cross section is indicative only. Temporary works including maintaining the temporary stability is the responsibility of the Contractor.
- Backfilling material shall be free draining granular material conforming to Clause 19 of the MRTS04 General Earthworks Specification November 2018.
- Subsoil drain running along the back of the gabion retaining wall shall outlet between Ch10 and Ch14 MK77.
- The contractor shall carry out Dynamic Cone Penetration (DCP) testing at 5m centres along the length of the foundation base of the gabion walls prior to placement of gabion baskets.
- A minimum DCP blow count of 5 blows per 100mm shall be achieved from the proposed foundation base to 1m below. If the DCP blow count <5 is achieved, the following ground treatment shall be taken:
 - DCP blow count <3: Min. 1.0m Remove and replace with compacted fill.
 - 3 ≤ DCP blow count <5: Min. 0.5m remove and replace with compacted fill.

The works shown on this drawing are a 'actual representation of the works constructed.

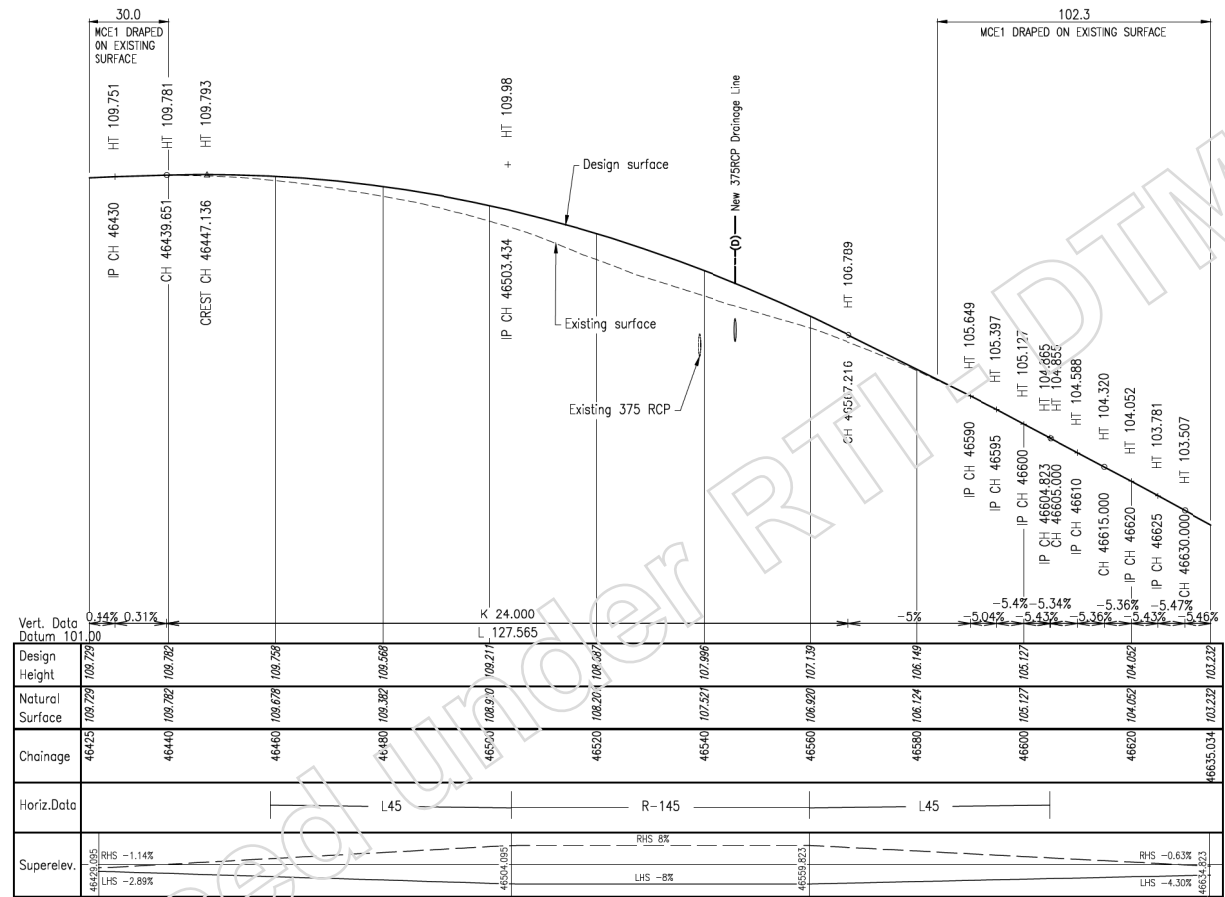
Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):



TYPICAL CROSS SECTION - BEAUDESERT NERANG ROAD
CHGE 46500 (MCE1)

Last Modified: Oct 15, 2024 - 5:51pm ARSIS :-

Associated Job Nos		Survey Data		Scales		CITY OF GOLD COAST			TYPICAL CROSS SECTIONS MCE1 CONTROL LINE		
		Datum: GDA94		0 1.0 2.0m		BEAUDESERT - NERANG ROAD (202)			SITE 9 - SHEET 1 OF 1		
Auxiliary Drg Nos		Horiz. Grid: MGA94 Zone56		SCALE 1:50 (A1)		CTL CHGE 34000 - 46700			ENGINEERING CERTIFICATION (RPEO)		
As Constructed		Christopher Conrad Wojcik, Project Support Officer		28/05/22		Reference Points			Job No. 230/202/1115550		
Foundation Treatment, Subsoil Drain, Guardrail And Turf		Grant Milling, Civil, 19295		02/03/21		Preceding RP			Contract No. CN-13109		
Revised						Dist. to start of job (km)			Drawing No. 823869 C		
Issued For Construction						From end to end of job			Series Number TC-01 of 15		
Revisors/Descriptions		Certification		Dcte		Following RP		Urr Detail (02/14)			
						202/7					
						1.085					
						12.7					
						1.31					
						202/10					
CAD FILES		G:\NERANG\ROAD PROJECTS\202\202_1115550\Design\Acad\Current\As Cons\Site 9\02 Final As Cons\TS_Site 9_Rev C.dwg				Through Chainage		From 34,000km - 46,700km			
						Drawn		GEOFFREY FRY			
						Designed		GEOFFREY FRY			
						ENG. AREA		WAYNE BRENNAN			
						NO.		08226			
						DATE		05/17/19			



Vert. Data Datum	101.00	102.729	102.702	102.759	102.568	109.211	107.996	107.139	106.149	105.127	104.855	104.588	104.320	104.052	103.781	103.507
Design Height	102.729	102.702	102.759	102.568	109.211	107.996	107.139	106.149	105.127	104.855	104.588	104.320	104.052	103.781	103.507	
Natural Surface	102.729	102.702	102.759	102.568	109.211	107.996	107.139	106.149	105.127	104.855	104.588	104.320	104.052	103.781	103.507	
Chainage	46425	46440	46460	46480	46500	46520	46540	46560	46580	46600	46620	46640	46660	46680	46700	
Horiz. Data	L45		R-145				L45									
Superelev.	RHS -1.14%	LHS -2.89%	RHS 8%				LHS -8%				RHS -0.63%		LHS -4.30%			

Long Section MCE1

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling

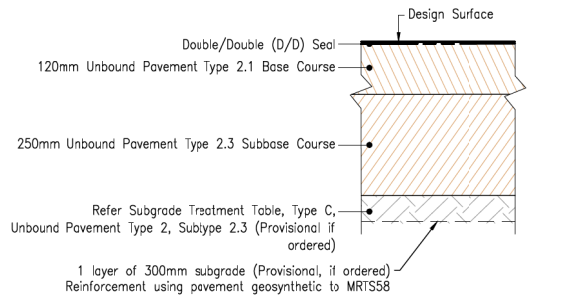
Position Title: Senior Project Manager

Date: 02/03/21

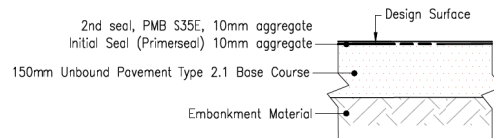
Signed (if wet ink): _____

G M D C A B A Revisors/Descriptions Certification Date Microfilmed	Associated Job Nos	Survey Data	Scales 0 5 10 15 20m HORIZONTAL SCALE 1:500 (A1) 0 1.0 2.0m VERTICAL SCALE 1:50 (A1) Dimensions shown in metres except where shown otherwise	CITY OF GOLD COAST BEAUDESERT - NERANG ROAD (202) CTL CHGE 34000 - 46700 Reference Points Preceding RP: 202/77, 1.085, 12.7, 1.31, 202/10 Through Chainage from 34.000km - 46.700km		LONG SECTION CONTROL LINE MCE1 SITE 9 - SHEET 1 OF 1				Job No. 230/202/1115550 Contract No. CN-13109 Drawing No. 823870 B Series Number LS-01 of 15 URR Detail (02/174)
	Auxiliary Drg Nos	Horiz. Grid		Height Origin	Survey Books	Drawn	ENGINEERING CERTIFICATION (RPEO)	NAME	SIGNATURE	
		GDA94	MGA94 Zone56	AH-D Derived	MR102409	GEOFFREY FRY	WAYNE BRENNAN	WAYNE BRENNAN	08226	05/11/19

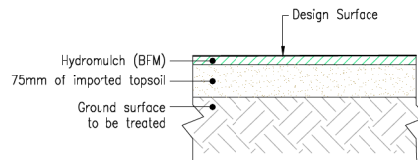
Last Modified: Oct 15, 2024 - 5:47pm ARS: -



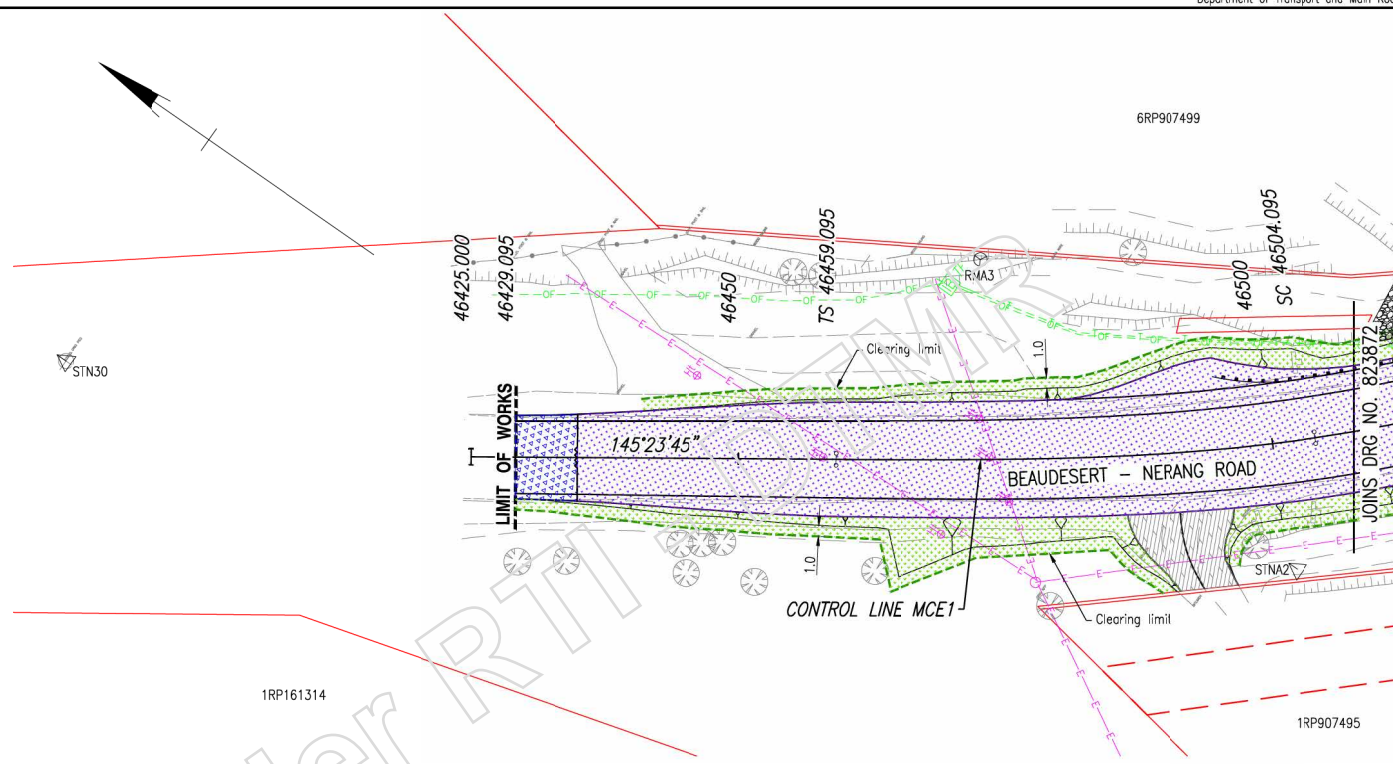
**PAVEMENT TYPE 1 – (FULL DEPTH)
BITUMEN SURFACING ON 370MM DEPTH PAVEMENT**
NTS



**PAVEMENT TYPE 2 – (PROPERTY ACCESS)
PRIME AND SEAL ON 120MM DEPTH OF PAVEMENT**
NTS



HYDROMULCH – BONDED FIBRE MATRIX
NTS
For hydromulch (BFM) seed mix, refer to Annexure MRTS 16.1, installation typically in accordance with TMR Std Drg. 1651 – Seeding.



SUBGRADE TREATMENT TABLE

Existing CBR at Subgrade	Treatment Types	Thickness (mm)
10%	A	Not Applicable
7%	C	100
5%	C	200
3%	C	400

PAVEMENT DESIGN PARAMETERS

AADT (2018)	= 8423 VPD
%iV	= 8.0%
Growth Rate	= 3.0%
Design Period	= 20 years
Design ESA's/HVAG	= 1.22x10 ⁶
Design Subgrade	= CBR 10%

BITUMEN SEAL DESIGN

Double/Double (D/D) Seal
 1st seal, PMB S35E, 14mm aggregate spread rate 110m²/m³, spray rate 1.45L/m²
 2nd seal, PMB S35E, 10mm aggregate spread rate 150m²/m³, spray rate 0.94L/m²
 Initial Sea (Primerseal) C170 +5%, 10mm aggregate spread rate 140m²/m³, spray rate 0.9L/m²

PAVEMENT AND LANDSCAPING

	Pavement Type 1 – (Full Depth) Bitumen surfacing on 370mm depth pavement		Turf (Pinned) – turf on 75mm planting media
	Pavement Type 2 – (Property Access) Prime and Seal on 150mm depth of pavement		Hydromulch (BFM) – Bonded Fibre Matrix (BFM) on 75mm planting media
	Bitumen Seal Only Double/Double (D/D) Seal (Refer to Bitumen Seal Design)		

Legend

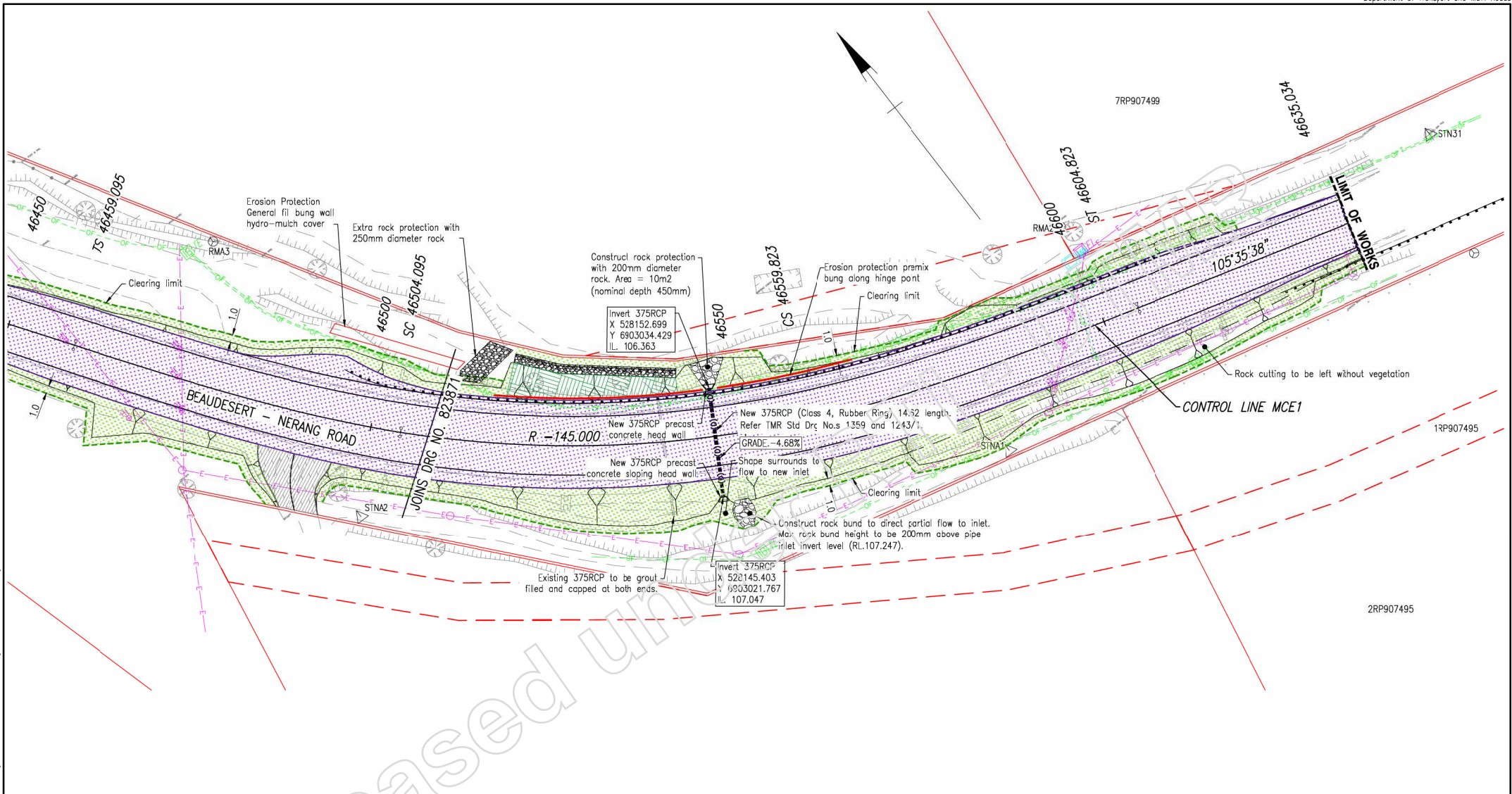
	Construction Joint
	Better slope
	Unlined Stormwater Drain
	Limit of Clearing and Grubbing
	New Stormwater 375RCP

The works shown on this drawing are a factual representation of the works constructed.
 Full Name: Grant Milling
 Position: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):

Last Modified: 15/03/2024 - 5:48pm; ARSIS - x_serve_site 9.dwg; X_Design_Site 9.dwg; X_Control_msc1_1_250_site 9.dwg; X_Plan_Hatch_Site 9.dwg; CAD FILES | G:\NERANG\ROAD PROJECTS\202\230_202_1115553\Design\Acad\Current\As_Const\Site 9\02 Final As_Const\VPD_Site 9_Rev C.dwg

Associated Job Nos		Survey Data		Scales		CITY OF GOLD COAST				PAVEMENT, LANDSCAPING AND DRAINAGE DETAILS				Job No.			
		Datum: GDA94		0 2 4 6 8 10m		BEAUDESERT – NERANG ROAD (202)				SITE 9 – SHEET 1 OF 2				230/202/1115550			
Auxiliary Drg Nos		Horiz. Grid: MGA94 Zone56		SCALE 1:250 (A1)		CTL CHGE 34000 – 46700				ENGINEERING CERTIFICATION (RPEO)				Contract No. CN-13109			
A As Constructed		Christopher Conrad Wojcik, Project Support Officer		28/06/22		Reference Points				Drawn: GEOFFREY FRY				Drawing No. 823871 C			
B Pavement Type 2, Bitumen Seal Design And Turf Revised		Grant Milling, Civil, 19295		02/03/21		Preceding RP: 202/7, Dist. to start of job (km): 1.085, From start to end of job: 12.7, From end to Following RP: 1.31, Following RP: 202/10				Designed: GEOFFREY FRY				Series Number PL-01 of 15			
A Issued For Construction		Revisors/Descriptions		Certification		Date		Microfilmed		Survey Books: MR102409		Dimensions shown in metres except where shown otherwise		Through Change from 34,000km – 46,700km		JRR Detail (02/14)	





Legend

- Proposed Features**
- Construction Joint
 - Batter slope
 - Unlined Stormwater Drain
 - Limit of Clearing and Grubbing
 - New Stormwater 375RCP

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):

PAVEMENT AND LANDSCAPING

- Pavement Type 1 - (Full Depth)
Bitumen surfacing on 370mm depth pavement
- Pavement Type 2 - (Property Access)
Prime and Seal on 150mm depth of pavement
- Bitumen Seal Only
Double/Double (D/D) Seal (Refer to Bitumen Seal Design)
- Turf (Pinned) -
turf on 75mm planting media
- Hydomulch (BFM) -
Bonded Fibre Matrix (BFM) on 75mm planting media

Associated Job Nos	Survey Data	Datum	GDA94
Auxiliary Drg Nos	Horiz. Grid	MGA94 Zone56	
Revisors/Descriptions	Certification	Date	Microfiled
As Constructed	Christopher Conrad Wojcik, Project Support Officer	28/06/22	
B Rock Protection Revised	Grant Milling, Cvil, 19295	2/3/21	
A Issued For Construction			

Scale	0 2 4 6 8 10m
SCALE	1:250 (A1)
Dimensions shown in metres except where shown otherwise	

CITY OF GOLD COAST				
BEAUDESERT - NERANG ROAD (202)				
CTL CHGE 34000 - 46700				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
202/77	1.085	12.7	1.31	202/10
Through Chainage from 34,000km - 46,700km				

PAVEMENT, LANDSCAPING AND DRAINAGE DETAILS				
SITE 9 - SHEET 2 OF 2				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
GEOFFREY FRY	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226 05/11/19
GEOFFREY FRY				

Queensland Government

Job No. 230/202/1115550
 Contract No. CN-13109
 Drawing No. 823872 C
 Series Number PD-02 of 15
 IRR Detail (02/14)

Last Modified: Oct 15, 2024 - 5:59pm. ARSIS - X:\survey_site_9.dwg, X:\Design_Site_9.dwg, X:\control_line_1_250.dwg, X:\Prop_Hatch_Site_9.dwg, X:\Prop_Hatch_Site_9.dwg

The works shown on this drawing are a factual representation of the works constructed.
 Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):

CONTROL LINE MCE1
 X = 528078.417
 Y = 6903106.017
 Z = 109.782

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	109.608	109.608	109.608	0.000
	109.602	109.232	109.602	3.473
	109.656	109.286	109.656	4.340
	109.782	109.412	109.782	4.765
	109.789	109.419	109.789	
	109.797	109.427	109.797	
	109.691	109.691	109.691	

CHAINAGE 46440.000

CONTROL LINE MCE1
 X = 528089.775
 Y = 6903089.555
 Z = 109.758

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	109.382	109.382	109.382	0.000
	109.458	109.088	109.458	3.606
	109.578	109.208	109.578	5.356
	109.758	109.388	109.758	6.291
	109.900	109.530	109.900	
	109.675	109.675	109.675	

CHAINAGE 46460.000

CONTROL LINE MCE1
 X = 528107.423
 Y = 6903065.304
 Z = 109.410

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	108.606	108.606	108.606	0.000
	108.839	108.469	108.839	3.806
	109.009	108.639	109.009	5.556
	109.142	108.772	109.142	6.666
	109.410	109.040	109.410	
	109.649	109.279	109.649	
	109.762	109.392	109.762	
	109.435	109.435	109.435	

CHAINAGE 46490.000

CONTROL LINE MCE1
 X = 528072.738
 Y = 6903114.248
 Z = 109.751

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	109.617	109.617	109.617	0.000
	109.620	109.618	109.620	3.406
	109.650	109.651	109.650	3.942
	109.751	109.751	109.751	
	109.716	109.715	109.716	
	109.705	109.701	109.705	
	109.700	109.700	109.700	

CHAINAGE 46430.000

CONTROL LINE MCE1
 X = 528089.261
 Y = 6903090.300
 Z = 109.763

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	109.391	109.391	109.391	0.000
	109.466	109.096	109.466	3.600
	109.585	109.215	109.585	5.347
	109.763	109.383	109.763	6.260
	109.653	109.483	109.653	
	109.607	109.537	109.607	
	109.679	109.679	109.679	

CHAINAGE 46459.095

CONTROL LINE MCE1
 X = 528101.324
 Y = 6903073.227
 Z = 109.568

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	108.924	108.924	108.924	0.000
	109.201	108.831	109.201	3.739
	109.330	109.960	109.330	5.489
	109.568	109.198	109.568	7.713
	109.757	109.387	109.757	
	109.851	109.481	109.851	
	109.295	109.295	109.295	

CHAINAGE 46480.000

CONTROL LINE MCE1
 X = 528072.224
 Y = 6903114.993
 Z = 109.747

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	109.615	109.615	109.615	0.000
	109.619	109.616	109.619	3.400
	109.649	109.649	109.649	3.914
	109.747	109.747	109.747	
	109.708	109.708	109.708	
	109.695	109.695	109.695	

CHAINAGE 46429.095

CONTROL LINE MCE1
 X = 528094.096
 Y = 6903087.786
 Z = 109.791

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	109.502	109.502	109.502	0.000
	109.543	109.173	109.543	3.539
	109.638	109.288	109.638	5.601
	109.791	109.421	109.791	8.883
	109.841	109.471	109.841	
	109.871	109.501	109.871	
	109.717	109.717	109.717	


CHAINAGE 46450.000

CONTROL LINE MCE1
 X = 528095.481
 Y = 6903087.343
 Z = 109.684

Datum 108.00	Design Height	Subgrade Height	Existing Surface	Offsets
	109.134	109.134	109.134	0.000
	109.351	108.991	109.351	3.673
	109.475	109.105	109.475	5.423
	109.684	109.314	109.684	8.883
	109.825	109.455	109.825	
	109.900	109.530	109.900	
	109.034	109.034	109.034	

CHAINAGE 46470.000

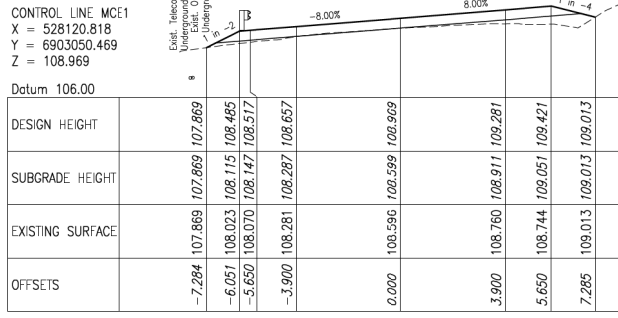
Last Modified: Oct 15, 2024 - 5:53pm ARSIS :-

Associated Job Nos		Survey Data		Scales		CITY OF GOLD COAST		CROSS SECTIONS MCE1 CONTROL LINE		 Job No. 230/202/1115550 Contract No. CN-13109 Drawing No. 823873 B Series Number XS-01 of 15 WRR Detail 02/14
Auxiliary Drg Nos		Datum: GDA94		0 1 2 3 4m		BEAUDESERT - NERANG ROAD (202)		SITE 9 - SHEET 1 OF 4		
Height Origin		Horiz. Grid		SCALE 1:100 (A1)		CTL CHGE 34000 - 46700		ENGINEERING CERTIFICATION (RPEO)		
Survey Books		MGA94 Zone56		Dimensions shown in metres except where shown otherwise		Reference Points		Drawn: GEOFFREY FRY		
MR102409		AH/D Derived				Preceding RP		ENGINEER NAME: WAYNE BRENNAN		
						Dist. to start of job (km)		SIGNATURE: WAYNE BRENNAN		
						From start to end of job		NO. 08226		
						From end to Following RP		DATE 05/11/19		
						Following RP				
						202/7				
						1.085				
						12.7				
						1.31				
						202/10				
						Through Chainage From 34,000km - 46,700km				
						Designed: GEOFFREY FRY				

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):

CAUTION:
TELSTRA IN VICINITY OF
GUARDRAIL INSTALLATION

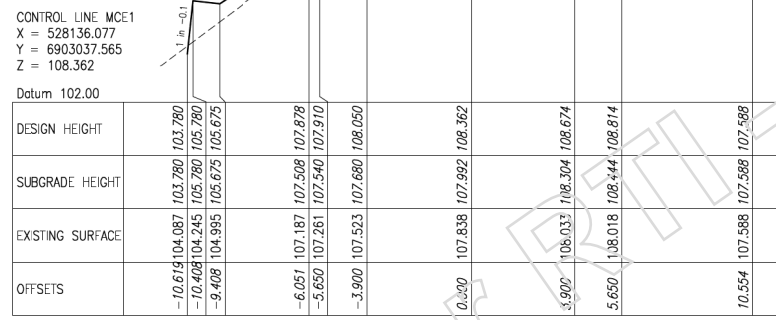


CHAINAGE 46510.00

CONTROL LINE MCE1
 X = 528120.818
 Y = 6903050.469
 Z = 108.969

Datum 106.00

DESIGN HEIGHT	107.869	107.869	108.485	108.517	108.657	108.969	109.281	109.421	109.013
SUBGRADE HEIGHT	107.869	108.115	108.147	108.517	108.657	108.599	108.911	109.281	109.013
EXISTING SURFACE	107.869	108.023	108.070	108.147	108.281	108.596	108.760	108.744	109.013
OFFSETS	-7.264	-6.051	-5.650	-3.900	0.000	3.900	5.650	7.285	109.013

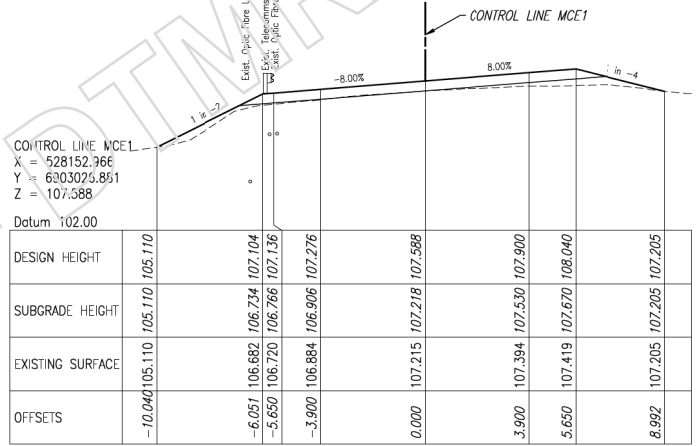


CHAINAGE 46530.00

CONTROL LINE MCE1
 X = 528136.077
 Y = 6903037.565
 Z = 108.362

Datum 102.00

DESIGN HEIGHT	103.780	103.780	103.780	107.509	107.878	108.362	108.674	108.814	107.588
SUBGRADE HEIGHT	103.780	103.780	103.780	107.540	107.910	108.362	108.304	108.674	107.588
EXISTING SURFACE	104.087	104.245	104.995	107.261	107.523	107.838	108.033	108.018	107.588
OFFSETS	-10.619	-10.408	-9.408	-6.051	-5.650	-3.900	0.000	3.900	10.554

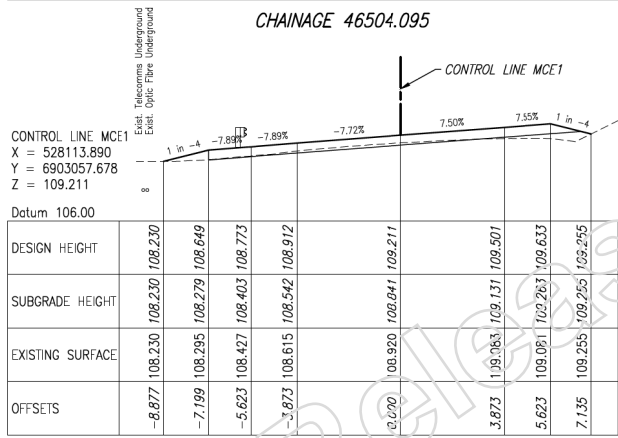


CHAINAGE 46550.00

CONTROL LINE MCE1
 X = 528152.366
 Y = 6903075.851
 Z = 107.588

Datum 102.00

DESIGN HEIGHT	105.110	106.734	107.136	107.276	107.588	107.900	108.040	107.205
SUBGRADE HEIGHT	105.110	106.734	106.766	106.906	107.218	107.530	107.670	107.205
EXISTING SURFACE	105.110	106.682	106.720	106.884	107.215	107.394	107.419	107.205
OFFSETS	-10.040	-6.051	-5.650	-3.900	0.000	3.900	5.650	8.992

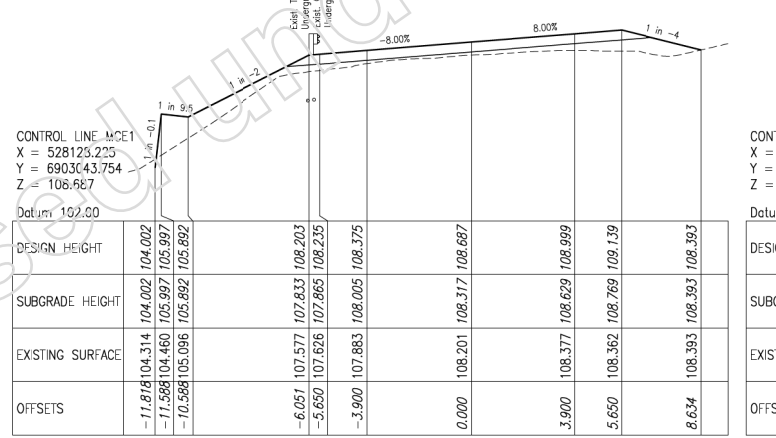


CHAINAGE 46504.095

CONTROL LINE MCE1
 X = 528113.890
 Y = 6903057.678
 Z = 109.211

Datum 106.00

DESIGN HEIGHT	108.230	108.649	108.773	108.912	109.211	109.501	109.633	109.255
SUBGRADE HEIGHT	108.230	108.279	108.403	108.542	108.841	109.131	109.263	109.255
EXISTING SURFACE	108.230	108.295	108.427	108.615	108.920	109.083	109.091	109.255
OFFSETS	-8.877	-7.199	-5.623	-3.873	0.000	3.873	5.623	7.135

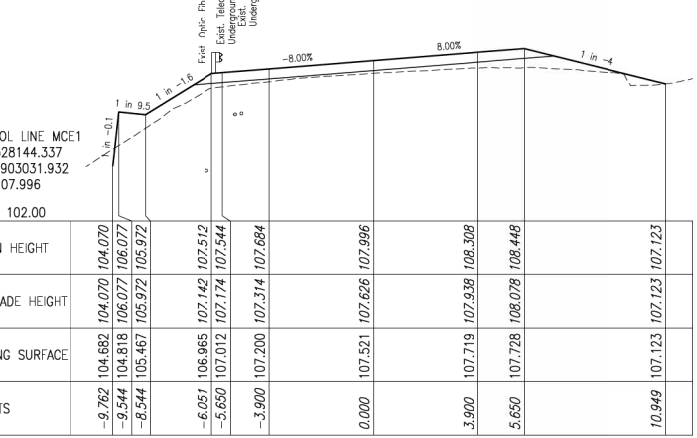


CHAINAGE 46520.00

CONTROL LINE MCE1
 X = 528123.223
 Y = 6903043.754
 Z = 108.567

Datum 102.00

DESIGN HEIGHT	104.002	105.997	105.892	108.203	108.235	108.375	108.687	108.999	108.393
SUBGRADE HEIGHT	104.002	105.997	105.892	107.863	107.863	108.005	108.317	108.629	108.393
EXISTING SURFACE	104.314	104.460	105.096	107.577	107.626	107.883	108.201	108.377	108.393
OFFSETS	-11.818	-11.588	-10.588	-6.051	-5.650	-3.900	0.000	3.900	8.634



CHAINAGE 46540.00

CONTROL LINE MCE1
 X = 528144.337
 Y = 6903031.932
 Z = 107.996

Datum 102.00

DESIGN HEIGHT	104.070	106.077	105.972	107.512	107.544	107.684	107.996	108.308	107.123
SUBGRADE HEIGHT	104.070	106.077	105.972	107.142	107.174	107.314	107.626	107.938	107.123
EXISTING SURFACE	104.682	104.818	105.467	106.965	107.012	107.200	107.521	107.719	107.123
OFFSETS	-9.762	-9.544	-8.544	-6.051	-5.650	-3.900	0.000	3.900	10.949

Last Modified: Oct 15, 2024 - 5:52pm ARS: -

Associated Job Nos	Survey Data
Auxiliary Drg Nos	Horiz. Grid
Height Origin	AHD Derived
Survey Books	MR102409

Scales	
0 1 2 3 4m	
SCALE 1:100 (A1)	
Dimensions shown in metres except where shown otherwise	

CITY OF GOLD COAST				
BEAUDESERT - NERANG ROAD (202)				
CTL CHGE 34000 - 46700				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
202/7	1.085	12.7	1.31	202/10
Through Chainage From 34,000km - 46,700km				

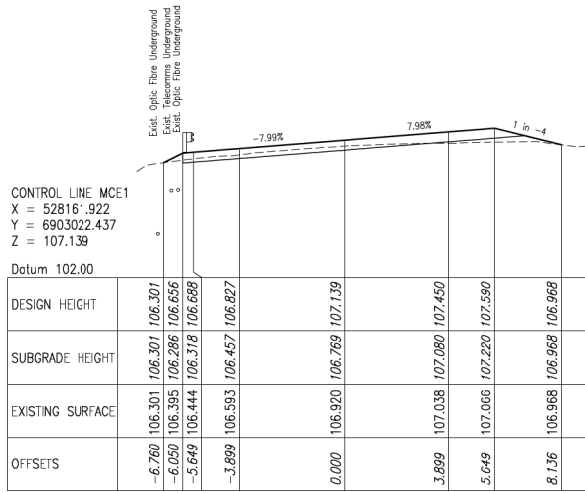
CROSS SECTIONS MCE1 CONTROL LINE SITE 9 - SHEET 2 OF 4			
Drawn	ENGINEERING CERTIFICATION (RPEQ)		
GEOFFREY FRY	NAME:	SIGNATURE:	NO. DATE
DESIGNED	CIVIL WAYNE BRENNAN	WAYNE BRENNAN	08226 05/11/19

Job No. 230/202/1115550	
Contract No. CN-13109	
Drawing No. 823874	
Series Number XS-02 of 15	
WRR Detail 02/14	

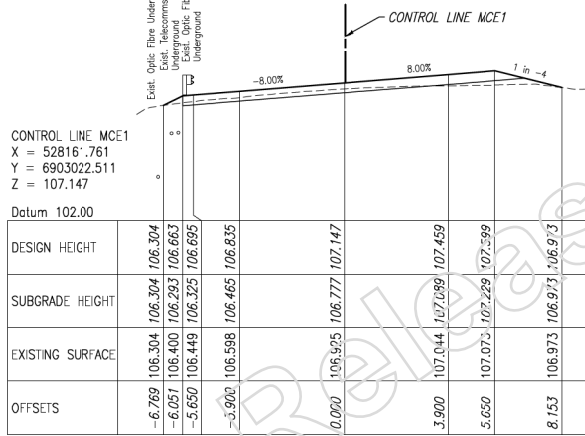


The works shown on this drawing are a factual representation of the works constructed.
 Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):

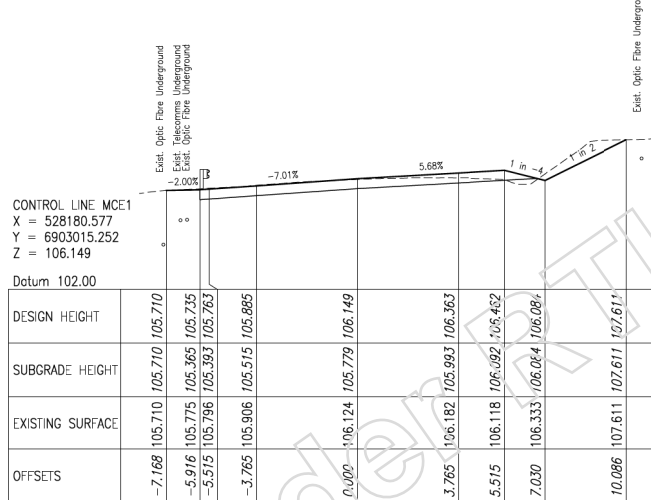
CAUTION:
 TELSTRA IN VICINITY OF
 GUARDRAIL INSTALLATION



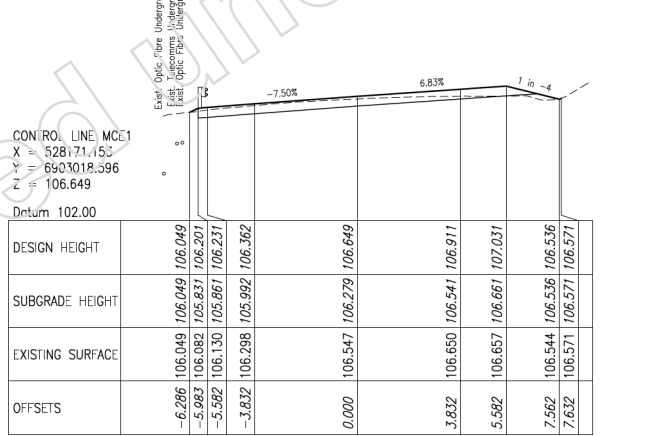
CHAINAGE 46560.000



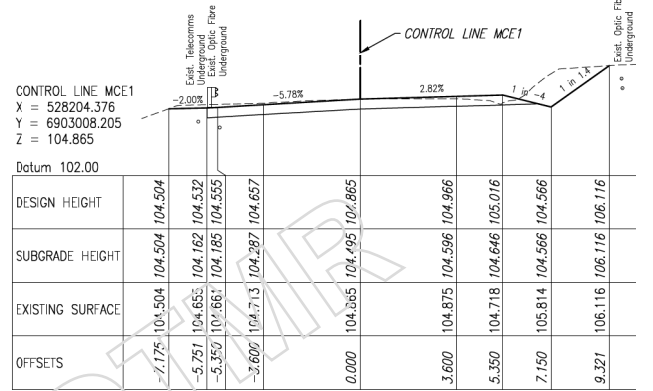
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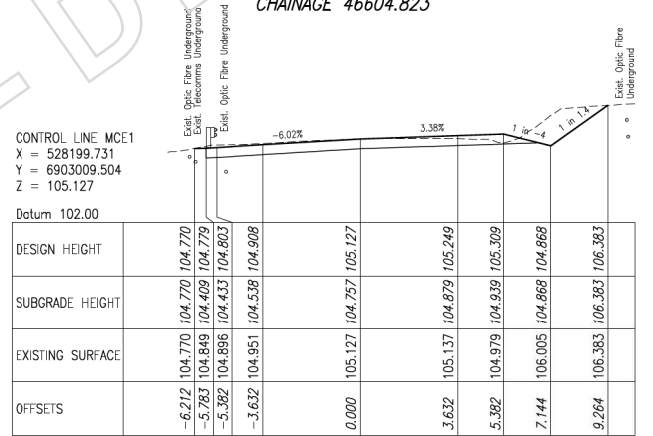
CHAINAGE 46580.000



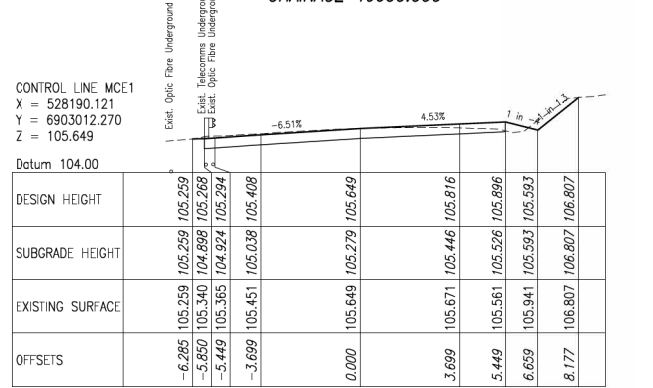
CHAINAGE 46570.000



CHAINAGE 46604.823



CHAINAGE 46600.000



CHAINAGE 46590.000

Last Modified: Oct 15, 2024 - 5:53pm ARSIS :-

Associated Job Nos	Survey Data		
Datum	GDA94		
Auxiliary Drg Nos	MGA94 Zone56		
Height Origin	AHD Derived		
Survey Books	MR102409		
Revisors/Descriptions	Certification	Dcte	Microfilied
As Constructed	Christopher Conrad Wojcik, Project Support Officer	28/06/22	
A Issued For Construction			

Scales
 0 1 2 3 4m
 SCALE 1:100 (A1)
 Dimensions shown in metres except where shown otherwise

CITY OF GOLD COAST
 BEAUDESERT - NERANG ROAD (202)
 CTL CHGE 34000 - 46700
 Reference Points
 Preceding RP: 202/7, 1.085
 Dist. to start of job (km): 12.7
 From end to end of job: 1.31
 Following RP: 202/10
 Through Chainage from 34,000km - 46,700km

CROSS SECTIONS MCE1 CONTROL LINE
 SITE 9 - SHEET 3 OF 4

Drawn	ENGINEERING CERTIFICATION (RPEQ)			
DESIGNED	NAME: WAYNE BRENNAN	SIGNATURE: WAYNE BRENNAN	NO. 08226	DATE 05/11/19
Contract No.	CN-13109			
Drawing No.	823875	B		
Series Number	XS-03	of 15		
Job No.	230/202/1115550			
Job Title	RRR Detail (02/14)			

Queensland Government
 Job No. 230/202/1115550
 Contract No. CN-13109
 Drawing No. 823875 B
 Series Number XS-03 of 15
 Job Title RRR Detail (02/14)

CONTROL LINE MCE1
 X = 528228.626
 Y = 6903001.437
 Z = 103.507

Datum 102.00

DESIGN HEIGHT	-4.350	103.271	103.271	103.271						
SUBGRADE HEIGHT	4.244	103.279	102.928	103.298						
EXISTING SURFACE	-3.432	103.358	102.981	103.351						
OFFSETS	0.000	103.507	103.137	103.507						

CHAINAGE 46630.000

CONTROL LINE MCE1
 X = 528218.994
 Y = 6903004.125
 Z = 104.052

Datum 102.00

DESIGN HEIGHT	-4.632	103.812	103.812	103.812						
SUBGRADE HEIGHT	-4.743	103.818	103.443	103.813						
EXISTING SURFACE	-3.499	103.880	103.506	103.876						
OFFSETS	0.000	104.052	103.682	104.052						

CHAINAGE 46620.000

CONTROL LINE MCE1
 X = 528209.362
 Y = 6903006.813
 Z = 104.588

Datum 102.00

DESIGN HEIGHT	-7.158	104.246	104.246	104.246						
SUBGRADE HEIGHT	-5.642	104.371	103.206	104.276						
EXISTING SURFACE	-5.241	104.391	103.928	104.299						
OFFSETS	-3.565	104.449	104.021	104.391						

CHAINAGE 46610.000

CAUTION:
 TELSTRA IN VICINITY OF
 GUARDRAIL INSTALLATION

CONTROL LINE MCE1
 X = 528233.475
 Y = 6913000.084
 Z = 103.232

Datum 102.00

DESIGN HEIGHT	-4.136	103.032	103.032	103.032						
SUBGRADE HEIGHT	-3.400	103.085	102.662	103.085						
EXISTING SURFACE	0.000	103.232	103.232	103.232						
OFFSETS	3.400	103.211	103.211	103.184						

CHAINAGE 46635.034

CONTROL LINE MCE1
 X = 528233.271
 Y = 6903000.140
 Z = 103.244

Datum 102.00

DESIGN HEIGHT	-4.136	103.043	103.043	103.043						
SUBGRADE HEIGHT	-3.400	103.097	102.673	103.097						
EXISTING SURFACE	0.000	103.244	103.244	103.244						
OFFSETS	3.400	103.022	102.852	103.022						

CHAINAGE 46634.823

The works shown on this drawing are a factual representation of the works constructed.

Full Name: Grant Milling
 Position Title: Senior Project Manager
 Date: 02/03/21
 Signed (if wet ink):

Last Modified: Oct 15, 2024 - 5:53pm

Associated Job Nos	Survey Data	Scales	
Datum	GDA94	0 1 2 3 4m	
Auxiliary Drg Nos	MGA94 Zone56	SCALE 1:100 (A1)	
Height Origin	AHD Derived	Dimensions shown in metres except where shown otherwise	
Survey Books	MR102409	Through Chainage from 34.000km - 46.700km	

CITY OF GOLD COAST				
BEAUDESERT - NERANG ROAD (202)				
CTL CHGE 34000 - 46700				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
202/7	1.085	12.7	1.31	202/10

CROSS SECTIONS MCE1 CONTROL LINE SITE 9 - SHEET 4 OF 4				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
GEOFFREY FRY	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	WAYNE BRENNAN	WAYNE BRENNAN	08226 05/11/19

Job No.	230/202/1115550
Contract No.	CN-13109
Drawing No.	823876 B
Series Number	XS-04 of 15
IRR Detail (02/14)	

Nazpreet Y Kaur

From: TMR DLO
Sent: Wednesday, 13 March 2024 3:50 PM
To: MCS Executive Services
Subject: MC143738 13/03 NK INCOMING CORRO - FW: CORRESPONDENCE MAYOR TOM TATE TO HON BART MELLISH MP
Attachments: SIGNED LETTER MAYOR TO HON BART MELLISH MP RE ROAD SAFETY ON CLAGIRABA ROAD.pdf; Clagiraba Road as shortest path map.jpg; Letter to Honourable Mark Bailey MP - Road Safety on Clagiraba Road, Clagiraba..pdf

PREVIOUS	
CROSS REFERENCE	
PRIORITY – urgent/routine	Routine
RESTRICTION	
FILE ID	110/00872 (MC)
ACCOUNTABLE AREA	PDO
ACTION TO	DocTrak.DD-G.iMD
TIMEFRAME – 5, 10, 15 days or other	Other – 25 March 2024
SUBJECT LINE	Road safety concerns on Clagiraba Road, Clagiraba
SIGNATORY Min/CoS/SPA/DG/DDG/GM Min's constituent/SHM/FY1 Referral to another Minister/agency	Minister
ENQUIRER DETAILS	Councillor Tom Tate Mayor Gold Coast City Council mayor@goldcoast.qld.gov.au
NOTES	**** Local Government Corro - Minister's office have requested that all correspondence, unless urgent to local government (councillors, mayors) be held until after the local government election which is taking place on 16 March 2024.****

Minister to Mayor response please.

Rebekkah Pye

A/Departmental Liaison Officer | Cabinet, Legislation and Executive Services
Corporate Division | Governance Branch | Department of Transport and Main Roads

61 Mary Street | Brisbane Qld 4000
GPO Box 2644 | Brisbane Qld 4001
(07) 3066 0748
TMR_DLO@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Transport and Main Roads <TransportandMainRoads@ministerial.qld.gov.au>
Sent: Wednesday, 13 March 2024 3:39 PM
To: TMR DLO <TMR_DLO@tmr.qld.gov.au>
Cc: Elly.Begley@ministerial.qld.gov.au
Subject: FW: CORRESPONDENCE MAYOR TOM TATE TO HON BART MELLISH MP

For processing.

Thanks



Matt Swan
Admin Officer
Office of the Hon. Bart Mellish MP
Minister for Transport and Main Roads and Minister for Digital Services

P 07 3719 7319 | E matt.swan@ministerial.qld.gov.au



From: MAYOR <mayor@goldcoast.qld.gov.au>
Sent: Wednesday, March 13, 2024 3:37 PM
To: Transport and Main Roads <TransportandMainRoads@ministerial.qld.gov.au>
Cc: Division 5 - Cr Peter Young <Division5@goldcoast.qld.gov.au>
Subject: CORRESPONDENCE MAYOR TOM TATE TO HON BART MELLISH MP

Good afternoon

Please find the attached correspondence from Mayor Tom Tate for the attention of the Minister.

Yours sincerely

Office of the Mayor Tom Tate
City of Gold Coast

T: (07) 5581 5283
PO Box 5042 Gold Coast Mail Centre Qld 9726
cityofgoldcoast.com.au

CITY OF
GOLDCOAST.





Office of the Mayor

City of Gold Coast

13 March 2024
Our ref: MS2#A98281158

PO Box 5042
Gold Coast MC QLD 9726
Australia

Telephone +61 7 5581 5283
Facsimile +61 7 5581 6054
Email mayor@goldcoast.qld.gov.au
cityofgoldcoast.com.au

Hon Bart Mellish MP
Minister for Transport and Main Roads and Minister for Digital Services
GPO Box 2644
BRISBANE QLD 4001

Dear Minister

Bart,

ROAD SAFETY ON CLAGIRABA ROAD, CLAGIRABA

In September 2019, the City's Director of Transport and Infrastructure and the Officer in Charge (OIC) of Nerang Police wrote to Paul Noonan, then Regional Director South East Department of Transport and Main Roads (DTMR), with concerns about the significant increase in utilisation of Council's Clagiraba Road as a short cut between Nerang and Canungra, with very high volumes of through traffic using this road in lieu of Beaudesert-Nerang Road.

The suggestion and request made at the time was to seek that the Department erect two simple signs as it has done on the same road at Bidaddaba, west of Canungra, urging motorists to 'ignore GPS and stay on the main road'.

The combined bid of the Gold Coast Road Safety Partnership Advisory Group was rejected.

One of my Councillors, Peter Young, representing the community of Clagiraba, had twice written to the Department requesting this outcome in 2017 and his request was twice rejected.

He also wrote to the Minister for Transport in December 2019 and this request was once more rejected.

Now, some years later, the community of Clagiraba continues to be severely impacted by non-local traffic, very serious accidents, excessive speeding and significant wildlife impacts and it was recently agreed by myself, the Executive General Manager of Infrastructure and Cr Young at an onsite meeting that I would make a fresh approach to seek the Department's simple assistance on behalf of the community.

We suggest that DTMR erect two signs:

- The first on Beaudesert-Nerang Road on the eastbound approach to Clagiraba Road, advising motorists going to Nerang to stay on the main road and not turn onto the lower standard Clagiraba Road, and;

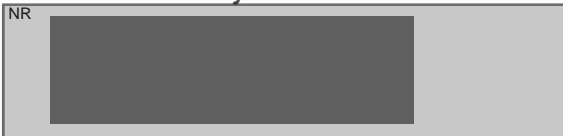
- Likewise, on the westbound approach at the intersection of Beaudesert-Nerang Road/Nerang-Murwillumbah Road advising motorists heading to Canungra to turn right at the traffic signals and stay on the main road.

These two simple signs might appreciably help reduce traffic load on the City's local road and I therefore request your assistance.

The attached map shows the two routes and the distance on each. The black circles indicate the approximate locations we encourage signs to be erected.

As you are aware, the Queensland Local Government elections will be held on 16 March 2024. Once the results of the election are finalised and if I am successfully elected as Mayor, I would be happy to meet with you at your convenience to discuss this issue in more detail.

Yours sincerely

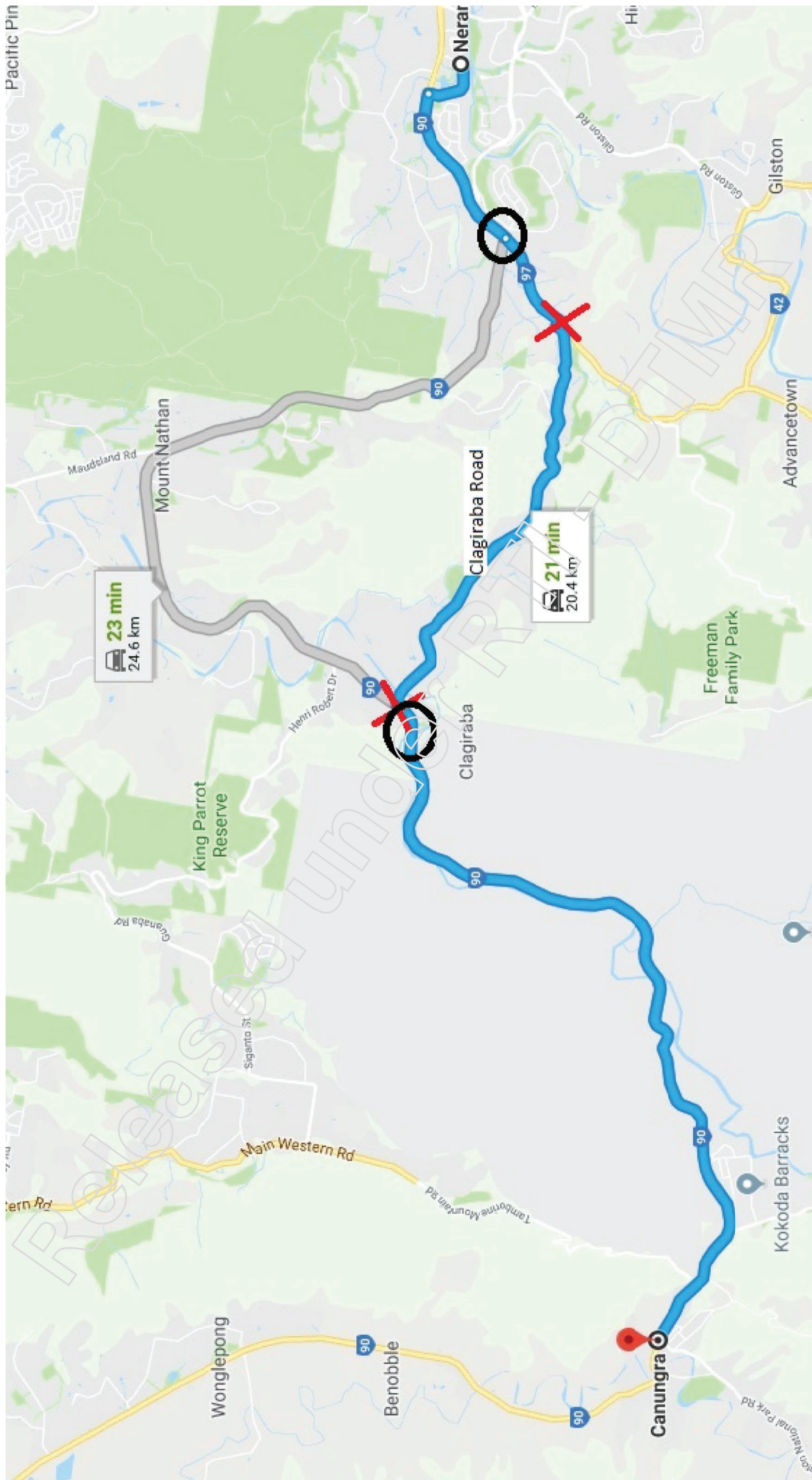


TOM TATE
MAYOR

enc. Map – Clagiraba Road

Released under RTI - DUMP







Councillor Peter Young

Division 5

PO Box 5042 GCMC QLD 9729

P 07 5582 8400 F 07 5582 8478 M personal information

E division5@goldcoast.qld.gov.au W cityofgoldcoast.com.au

f facebook.com/PeterYoungDiv5



CITY OF
GOLDCOAST[™]

20 December 2019

Honourable Mark Bailey MP
Minister for Main Roads, Road Safety and Ports

By email transportandmainroads@ministerial.qld.gov.au

Road safety on Clagiraba Road, Clagiraba

Dear Minister

I am writing to seek your direct involvement in regard to a road safety concern in my Division.

Clagiraba Road is a Gold Coast Council controlled road that serves the rural community of Clagiraba. The road also has a connection at its western end and eastern end with State controlled roads – being Beaudesert-Nerang Road and Murwillumbah-Nerang Road respectively.

Regrettably Clagiraba Road provides the 'shortest path' for motorists travelling between Nerang and Canungra. Global Positioning Systems direct road users off the main roads and onto this local road, which is now carrying a very substantial volume of through-traffic. The map I have provided herewith shows Clagiraba Road and its State road connections.

Speeding and other road safety issues have become very evident. Numerous measures have been implemented by Council and the Queensland Police Service to try to manage road user behaviour including road safety signs, line-marking and pavement markers, 'Police enforcement zone' signs, and frequent Police presence.

Details of some of those measures and outcomes are provided in the attached correspondence, which was a letter submitted to the Regional Director for Transport and Main Roads in September and jointly signed by Council's Director of Transport and Infrastructure, and the Officer in Charge of the Nerang Police station.

The intent of that letter was to seek that DTMR install **two signs** on its State roads to encourage drivers travelling between Nerang and Canungra to 'ignore GPS' and 'use the State route'. Similar signage has been installed by DTMR in the vicinity of Biddaddaba to divert through-traffic from a sub-standard rural road. The approximate locations for the two signs are identified as the black circles on the map.

The Regional Director has rejected that request. I have provided to you a copy of his correspondence dated 2 December.

Minister I am seeking that this matter be reviewed and I seek your assistance. I am certainly not alone in my belief that there are genuine road safety issues and this is amply demonstrated in the joint Council-Police letter. I believe that by reducing the volume of through-traffic on Clagiraba Road some genuine relief will become evident to the local community. The two State MLAs for the affected area are Ms Meaghan Scanlon (Labor, Gaven electorate) and Mr Mark Boothman (LNP, Theodore electorate) and both are aware of and supportive of my endeavours.

The risk to DTMR is two signs. The potential benefits are substantial.

Minister I would be very willing to provide to you any further information required but I am hopeful that you can please instigate a review of this decision with the objective to introduce the desired signs.

In the meantime I wish you and yours a very safe and peaceful Christmas.

Yours Sincerely

NR


Peter Young
Division 5 Representative

Copy:

Ms Meaghan Scanlon, State MLA for Gaven
Mr Mark Bootham, State MLA for Theodore
Snr Sgt Peter Gordon, OIC Nerang Police
Cr Tom Tate, Mayor, City of Gold Coast
Mr Alton Twine, Director, Transport and Infrastructure, Gold Coast City Council

PY:vk #75294298

Incoming Information (Instruction: Review>Track Changes)

V7 Correspondence Manager Template

Content Provider Input	Compose Response	Approver Comments	Final Correspondence
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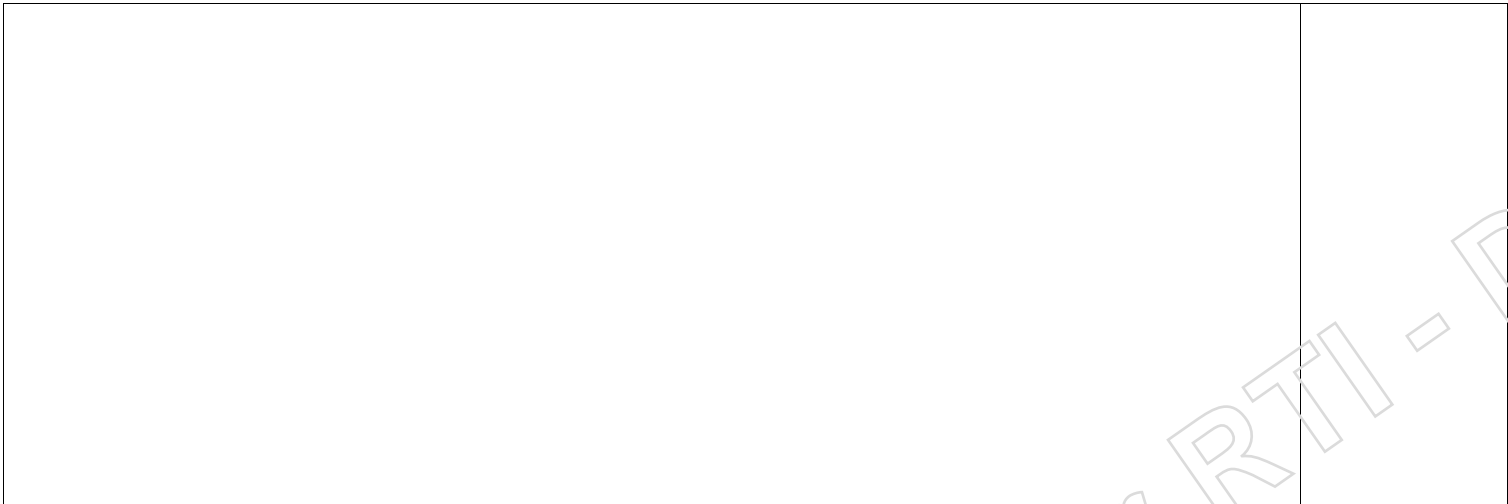
Incoming Request	DMS Item
<div data-bbox="129 486 174 534" data-label="Image"> </div> <p data-bbox="85 539 212 561">MC143738.pdf</p> <p data-bbox="62 598 1339 678">Letter from Tom Tate to Minister re road safety concerns on Clagiraba Road, Clagiraba due to "significant increase in utilisation of Council's Clagiraba Road as a short cut between Nerang and Canungra, with very high volumes of through traffic using this road in lieu of Beaudesert-Nerang Road."</p> <p data-bbox="62 689 414 715">Request for TMR to erect 2 signs:</p> <ol data-bbox="100 730 1294 849" style="list-style-type: none"> 1. The first on Beaudesert-Nerang Road on the eastbound approach to Clagiraba Road, advising motorists going to Nerang to stay on the main road and not turn onto the lower standard Clagiraba Road, and; 2. Likewise, on the westbound approach at the intersection of Beaudesert-Nerang Road/Nerang-Murwillumbah Road advising motorists heading to Canungra to turn right at the traffic signals and stay on the main road. <div data-bbox="129 874 958 1332" data-label="Image"> </div>	

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Content Providers Input

15/3/24 LJM – Previous response to Mark Boothman MP - 7 Feb 2019

Dear Mark

Thank you for your email to the Department of Transport and Main Roads (TMR) on behalf of constituents requesting 'Ignore GPS' signage to be installed to divert traffic away from using Clagiraba Road.

I can advise that City of Gold Coast Division 5 Cr Peter Young requested this signage late last year and was advised the following:

'Ignore GPS' signage currently in place on Beaudesert-Nerang Road at Wongiepong and Biddaddaba is unique and relates to a 'one off' safety related situation. Unlike the rest of Beaudesert-Nerang Road, this section is narrow, undulating and partly unsealed with a speed limit of 100km/h. It is totally unsuited for caravans, horse floats and some heavy vehicles whereas Clagiraba Road is a sealed two lane road with a speed limit of 60km/h.

In light of the above, TMR does not support 'ignore GPS' signage for Clagiraba Road.

File ref: 500/03442

[\(Road 202 Tdist: 20.638 "Ignore GPS at Wongiepong and Biddaddaba"\)](#)

[Jason Q Ha 20/03/2024](#)

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Mayors request 1. To erect sign at east bound approach to Clagiraba advising motorists to stay on main road for nerang

Mayors Request 1. To have sign directing motorist to stay on main road for (Canungra, beaudesert)

Req1: possible signage location at 202 Tdist: 36.805



Req 2: Signage already exists on carriageway intersection of Nerang Murwillumbah and Nerang Beaudesert (road 202 Tdist 48.000)

Released under RTI - DTMR



Req 2

Sign directing motorists to Canungra, mt Tamborine and Beaudesert

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Draft:

Hello Mayor Tom Tate,

Thank you for sending this enquiry to TMR.

Regarding your request for a sign to be installed at the intersection of Beaudesert-Nerang Road & Nerang-Murwillumbah Road going westbound; there is already a sign installed indicating to stay on state route 90 if drivers are headed for (Canungra, Beaudesert, and mount Tamborine) this sign recently updated in 2014 and the sign is still meeting TMR's reflectivity and readability standards stated in the AS1742.

Your request for signage eastbound on Beaudesert-Nerang Road approach towards Clagiraba Road is supported. TMR is happy to install an advanced directional sign indicating drivers to stay on the state route if headed towards Nerang. A work order will be created to have this new sign installed by the end of April 2024.

Thanks

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[19/6/24 LJM – Update need re signage for Beaudesert Nerang Road, intersection with Clagiraba Road as this did not go ahead in April due to planning for re fatal crash project at Beaudesert Nerang Road, intersection with Clagiraba Road](#)

[Advice from Hanwen](#)

[The project was funded due to fatal crash happened on 28/10/2022, in which a car ran off road on Beaudesert Nerang Road, intersection with Clagiraba Road. Upon investigation, deficiencies of driver visibilities at the intersection were identified, although they might have not directly contributed to the crash.](#)

[To improve the visibility the current scope of the project comprises:](#)

- [Veg trimming and weed spraying on both approaches to the intersection](#)
- [Construction with a concrete median with signage and flag lighting on Clagiraba Road](#)
- [Moving stop line forward on Clagiraba Road to improve the visibility](#)
- [Upgrade of existing W2-8B\(R\) signages to TC1728B with high impact on B-N Road](#)

[Stop line has already been delivered by Ventia as a part of pavement re-surfacing project through E17.](#)

[We are finalizing the detailed design with Tech Services for the rest of the scope.](#)



RE_BN Rd - fatal



RE_BN Rd - fatal



RE_BN Rd - fatal

crash project_ Requicrash project_ Requicrash project_ Requ

Field Code Changed

Field Code Changed

Field Code Changed

Compose Response

[22/3/24 LJM](#)

Minister to Mayor

Councillor Tom Tate

Mayor

Gold Coast City Council

mayor@goldcoast.qld.gov.au

Dear Councillor Tate

Thank you for your letter of 13 March 2024 on behalf of the Clagiraba community about the impact of non-local motorists utilising Clagiraba Road as a short cut between Nerang and Canungra.

Firstly, I would like to congratulate you on your re-election as Mayor of the City of Gold Coast. I look forward to a continued positive working relationship between Council and the Department of Transport and Main Roads (TMR).

I can advise that TMR Engineers have investigated your request to ~~install signage~~ install signage to direct motorists to remain on Beaudesert-Nerang Road between Nerang and Canungra to reduce traffic on local government Clagiraba Road.

I am pleased to advise that your request for signage on Beaudesert-Nerang Road on the eastbound approach to Clagiraba Road is supported. TMR will be installing advanced directional signage indicating to motorists to stay on the state route if headed towards Nerang. It is expected this signage will be installed by the end of April 2024, weather permitting.

Your request for signage on the westbound approach to Clagiraba Road at the intersection of Beaudesert-Nerang Road and Nerang-Murwillumbah Road, advising motorists heading to Canungra to turn right at the traffic signals and stay on Beaudesert-Nerang Road, has been considered. I am advised there is existing signage in place at this intersection directing motorists to stay on Beaudesert-Nerang Road if heading to Canungra, Beaudesert, and Mount Tamborine, and TMR is satisfied it is sufficient for this purpose. The signage was found to be in good condition and meets TMR's reflectivity and readability standards. As such, TMR will not be installing additional signage.

Regarding your reference to TMR's previous rejection of requests to install 'Ignore GPS' signage compared to other sites on Beaudesert-Nerang Road, please note that TMR Engineers consider requests for signage according to the specific conditions on that section of road and the standards that apply to those conditions. I am advised that the 'Ignore GPS' signage in place on Beaudesert-Nerang Road at Wonglepong and Biddaddaba is unique and relates in place to address a major to a 'one off' safety related situation. Unlike the rest of Beaudesert-Nerang Road, this section is narrow, undulating and partly unsealed with a speed limit of 100km/h. It is unsuitable for caravans, horse floats and some heavy vehicles, whereas Clagiraba Road is a sealed two-lane road with a speed limit of 60km/h. I hope this clarifies TMR's position on that matter.

Thank you for bringing the Clagiraba community's concerns to my attention, I trust this information is of assistance.

[LJM - Updated version](#)



MC143738_Update
d Response 240624.

Commented [REE1]: Do we need to put this in, he could come back and state the Clagiraba road has poor horizontal & Vertical geometry as well as substandard carriageway width and is not suited to high volumes of traffic, think it should be excluded from the response.

Commented [GAM2R1]: Have made some edits to just focus on the unsealed nature of B-N Rd

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Approver Comments

KMP – Gavin could you please reply to Rob's query in the last paragraph please?

GAM – Have made some edits

24/6/24 LJM - AMW approval of updated version

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RE_Approval
request_MC143738

Field Code Changed

Final Correspondence

[22/3/24 LJM Response sent in DocTrak](#)



MC143738_Respons
e.docx

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[24/6/24 LJM Sent update requested by Mins office](#)



MC143738_Update
d Response 240624.

Field Code Changed



MC143738_3_Res.p
df

Field Code Changed

Released under RTI - DTMR

From: [Hanwen Z Cui](#)
To: [Lynda J Most](#)
Cc: [Sarah-Jane Y Bartlem](#)
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate
Date: Wednesday, 19 June 2024 11:37:42 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

Sure Lynda.

The project was funded due to fatal crash happened on 28/10/2022, in which a car ran off road on Beaudesert Nerang Road, intersection with Clagiraba Road. Upon investigation, deficiencies of driver visibilities at the intersection were identified, although they might have not directly contributed to the crash.

To improve the visibility the current scope of the project comprises:

- Veg trimming and weed spraying on both approaches to the intersection
- Construction with a concrete median with signage and flag lighting on Clagiraba Road
- **Moving stop line forward on Clagiraba Road to improve the visibility**
- Upgrade of existing W2-8B(R) signages to TC1728B with high impact on B-N Road

Stop line has already been delivered by Ventia as a part of pavement re-surfacing project through E17.

We are finalizing the detailed design with Tech Services for the rest of the scope.

Please let me know if you need anything else. Thank you.

Kind regards

Hanwen Cui

Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR
Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:27 AM
To: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Hanwen

Are you able to tell me any more about the fatal crash project please?

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

1st Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 5563 6620 | F: (07) 5563 6611

lynda.j.most@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:14 AM
To: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>; Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>; Hari R Krishnan <hari.r.krishnan@tmr.qld.gov.au>
Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>; Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Thanks Sri, I'll check with Clint next week when he comes back from holiday to see if we can include the delivery of this signage ahead of the intersection of Beaudesert – Nerang and Clagiraba in the eastbound direction to Nerang.

I'll then check with Jason and Derek to see if there's funding to be transferred to support the installation of the signage.

Kind regards

Hanwen Cui
Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR
Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:06 AM
To: Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>; Hari R Krishnan <hari.r.krishnan@tmr.qld.gov.au>
Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>; Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>; Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi SJ,

Hanwen is the PM for these works.
Please forward the Corro to him.

Kind Regards,

Sri Sachit Mogallapu
Engineer- Civil (Preservation & Maintenance) | South Coast Region
Program Delivery & Operations Branch | Infrastructure Management and Delivery division
Department of Transport and Main Roads

First Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
(07) 5563 6509 | M: NR
sri.s.mogallapu@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 4:36 PM
To: Hari R Krishnan <hari.r.krishnan@tmr.qld.gov.au>; Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>; Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: FW: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Sri / Hari

Please assist SJ

Kind regards,

Humphrey Jakata
Principal Engineer | Preservation & Maintenance
South Coast Region / Gold Coast Office
Program Delivery & Operations | Department of Transport and Main Roads

First Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
(07) 5563 6462 | M: [REDACTED]
humphrey.z.jakata@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 2:56 PM
To: Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>
Cc: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Humphrey

Not sure PM is working on this project.

In this Ministerial we have committed to installing a sign, just need to include it as part of the project. Is there a timeframe for delivery of the project?

Thank you

Sarah-Jane

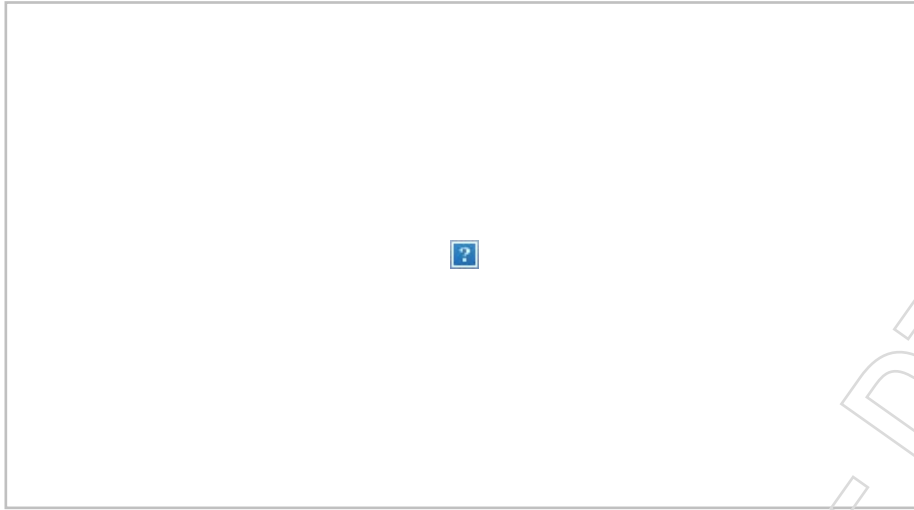
Sarah-Jane Bartlem
Senior Communications Advisor (Natural Disaster Program) | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management & Delivery Division
Department of Transport and Main Roads

Phone: (07) 5563 6687
NDP Site Office | 186-200 Banyula Drive | Gaven Qld 4211
PO Box 442 | Nerang Qld 4211
sarah-jane.y.bartlem@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 2:32 PM
To: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>
Subject: RE: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Ms SJ

Do we have a road safety project at the intersection of Beaudesert-Nerang Road and Clagiraba Road? Jason has mentioned they can't install a sign there due "to a road safety project" but its not clear on the CSMT project list exactly what project that would be. Can you please advise?



Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team

South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

1st Floor | 36-38 Cotton Street | Nerang Qld 4211

PO Box 442 | Nerang Qld 4211

P: (07) 5563 6620 | F: (07) 5563 6611

lynda.j.most@tmr.qld.gov.au

www.tmr.qld.gov.au

From: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 1:44 PM

To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>

Cc: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>

Subject: RE: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Lynda,

Wondering if you got my email back in April regarding the intersection upgrade.

The sign cant be installed due to the safety upgrade happening. But the upgrade will accommodate for this. It just cant be installed until the designs are complete.

Thanks

Jason Ha

Road Signage and Delineation Coordinator | Asset Management | South Coast Region

Program Delivery and Operations Branch | Infrastructure Management and Delivery Division

Department of Transport and Main Roads

Ground Floor | 16-18 White Street | Nerang Qld 4211

PO Box 442 | Nerang Qld 4211

jason.q.ha@tmr.qld.gov.au

www.tmr.qld.gov.au

From: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 1:27 PM
To: Clint Z Dykstra <Clint.Z.Dykstra@tmr.qld.gov.au>; Ryan W Oeschger <Ryan.W.Oeschger@tmr.qld.gov.au>
Cc: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>; Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>; Jai Y Patel <Jai.Y.Patel@tmr.qld.gov.au>; Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>; Alicia F Finch <alicia.f.finch@tmr.qld.gov.au>
Subject: FW: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Design

Can you please follow up with Lynda for below / attached – thank you.
As this is Directional Signage this action is with Asset Management team.

Kind regards

Kathryn Goody
Operations Officer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6495
Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Kathryn.Z.Goody@tmr.qld.gov.au
www.tmr.qld.gov.au



From: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 12:51 PM
To: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>
Cc: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: FW: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Kathy,
Can you please check up on the installation of this one with P&M/RoadTek.
Thanks

Kind regards,

Derek Grant
Principal Engineer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5503 7321
Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Derek.P.Grant@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 12:40 PM
To: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>

Subject: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Derek

Would one of your team be able to confirm if this signage has been installed please? Re Ministerial [MC143738 Tom Tate](#)



Thanks!

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team

South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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P: (07) 5563 6620 | F: (07) 5563 6611

lynda.j.most@tmr.qld.gov.au

www.tmr.qld.gov.au

Released under RTI - DTMR

From: [Hanwen Z Cui](#)
To: [Sri S Mogallapu](#); [Humphrey Jakata](#); [Hari R Krishnan](#)
Cc: [Sarah-Jane Y Bartlem](#); [Lynda J Most](#)
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate
Date: Wednesday, 19 June 2024 11:14:10 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

Thanks Sri, I'll check with Clint next week when he comes back from holiday to see if we can include the delivery of this signage ahead of the intersection of Beaudesert – Nerang and Clagiraba in the eastbound direction to Nerang.

I'll then check with Jason and Derek to see if there's funding to be transferred to support the installation of the signage.

Kind regards

Hanwen Cui
Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR
Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:06 AM
To: Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>; Hari R Krishnan <hari.r.krishnan@tmr.qld.gov.au>
Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>; Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>; Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi SJ,

Hanwen is the PM for these works.
Please forward the Corro to him.

Kind Regards,

Sri Sachit Mogallapu
Engineer- Civil (Preservation & Maintenance) | South Coast Region
Program Delivery & Operations Branch | Infrastructure Management and Delivery division
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Subject: FW: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738
Tom Tate

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Sarah-Jane

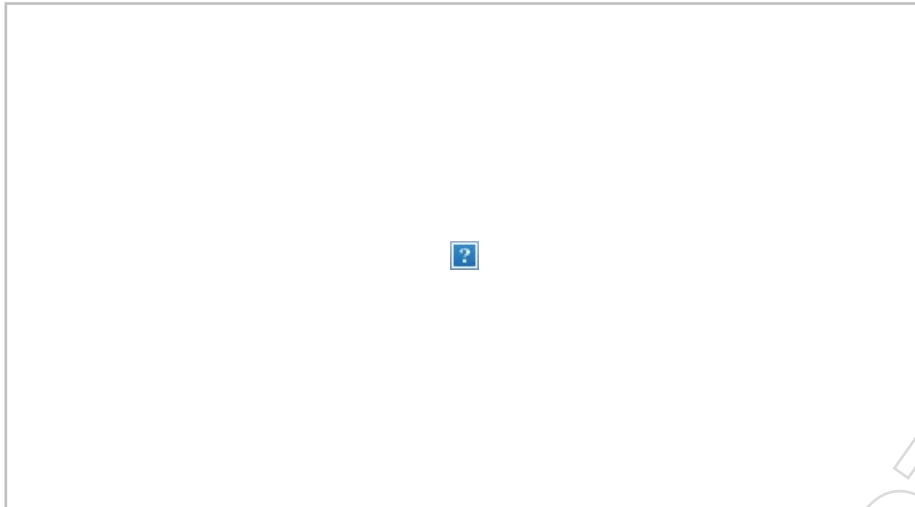
Sarah-Jane Bartlem
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Thanks

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jason.q.ha@tmr.qld.gov.au

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Sent: Tuesday, June 18, 2024 1:27 PM

To: Clint Z Dykstra <Clint.Z.Dykstra@tmr.qld.gov.au>; Ryan W Oeschger <Ryan.W.Oeschger@tmr.qld.gov.au>

Cc: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>; Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>; Jai Y Patel <Jai.Y.Patel@tmr.qld.gov.au>; Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>; Alicia F Finch <alicia.f.finch@tmr.qld.gov.au>

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Operations Officer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

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Subject: FW: Request confirmation of directional signage installation - MC143738 Tom Tate

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From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>

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To: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>

Subject: Request confirmation of directional signage installation - MC143738 Tom Tate

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Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team

South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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P: (07) 5563 6620 | F: (07) 5563 6611

lynda.j.most@tmr.qld.gov.au

www.tmr.qld.gov.au

Released under RTI - DTMR

From: [Hanwen Z Cui](#)
To: [Lynda J Most](#)
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate
Date: Wednesday, 19 June 2024 12:20:24 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

No worries Lynda, this project was funded through Targeted Road Safety Programs - Fatal Crash Remediation.

The funding is coming from Fatal MAP application.

Kind regards

Hanwen Cui

Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR
Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 12:03 PM
To: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Just one more thing sorry Hanwen ! Is it funded under Safer Roads Sooner ?

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

1st Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 5563 6620 | F: (07) 5563 6611
lynda.j.most@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:52 AM
To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Great, any time Lynda, glad that helped

Kind regards

Hanwen Cui

Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR

Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:49 AM
To: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Thanks Hanwen that's just what I'm after!

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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P: (07) 5563 6620 | F: (07) 5563 6611
lynda.j.most@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:38 AM
To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Sure Lynda.

The project was funded due to fatal crash happened on 28/10/2022, in which a car ran off road on Beaudesert Nerang Road, intersection with Clagiraba Road. Upon investigation, deficiencies of driver visibilities at the intersection were identified, although they might have not directly contributed to the crash.

To improve the visibility the current scope of the project comprises:

- Veg trimming and weed spraying on both approaches to the intersection
- Construction with a concrete median with signage and flag lighting on Clagiraba Road
- **Moving stop line forward on Clagiraba Road to improve the visibility**
- Upgrade of existing W2-8B(R) signages to TC1728B with high impact on B-N Road

Stop line has already been delivered by Ventia as a part of pavement re-surfacing project through E17.

We are finalizing the detailed design with Tech Services for the rest of the scope.

Please let me know if you need anything else. Thank you.

Kind regards

Hanwen Cui

Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
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To: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Hanwen

Are you able to tell me any more about the fatal crash project please?

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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P: (07) 5563 6620 | F: (07) 5563 6611
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From: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:14 AM
To: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>; Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>; Hari R Krishnan <hari.r.krishnan@tmr.qld.gov.au>
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Thanks Sri, I'll check with Clint next week when he comes back from holiday to see if we can include the delivery of this signage ahead of the intersection of Beaudesert – Nerang and Clagiraba in the eastbound direction to Nerang.

I'll then check with Jason and Derek to see if there's funding to be transferred to support the installation of the signage.

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Hi SJ,

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Please forward the Corro to him.

Kind Regards,

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Thank you

Sarah-Jane

Sarah-Jane Bartlem

Senior Communications Advisor (Natural Disaster Program) | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management & Delivery Division
Department of Transport and Main Roads

Phone: (07) 5563 6687

NDP Site Office | 186-200 Banyula Drive | Gaven Qld 4211

PO Box 442 | Nerang Qld 4211

sarah-jane.y.bartlem@tmr.qld.gov.au

www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 2:32 PM

To: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>

Subject: RE: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Ms SJ

Do we have a road safety project at the intersection of Beaudesert-Nerang Road and Clagiraba Road? Jason has mentioned they can't install a sign there due "to a road safety project" but its not clear on the CSMT project list exactly what project that would be. Can you please advise?



Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team

South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

1st Floor | 35-38 Cotton Street | Nerang Qld 4211

PO Box 442 | Nerang Qld 4211

P: (07) 5563 6620 | F: (07) 5563 6611

lynda.j.most@tmr.qld.gov.au

www.tmr.qld.gov.au

From: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 1:44 PM

To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>

Cc: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>

Subject: RE: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Lynda,

Wondering if you got my email back in April regarding the intersection upgrade.

The sign cant be installed due to the safety upgrade happening. But the upgrade will accommodate for this. It just cant be installed until the designs are complete.

Thanks

Jason Ha

Road Signage and Delineation Coordinator | Asset Management | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

Ground Floor | 16-18 White Street | Nerang Qld 4211

PO Box 442 | Nerang Qld 4211

jason.q.ha@tmr.qld.gov.au

www.tmr.qld.gov.au

From: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 1:27 PM

To: Clint Z Dykstra <Clint.Z.Dykstra@tmr.qld.gov.au>; Ryan W Oeschger <Ryan.W.Oeschger@tmr.qld.gov.au>

Cc: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>; Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>; Jai Y Patel <Jai.Y.Patel@tmr.qld.gov.au>; Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>; Alicia F Finch <alicia.f.finch@tmr.qld.gov.au>

Subject: FW: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Design

Can you please follow up with Lynda for below / attached – thank you.
As this is Directional Signage this action is with Asset Management team.

Kind regards

Kathryn Goody

Operations Officer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6495

Ground Floor | 16-18 White Street | Nerang Qld 4211

PO Box 442 | Nerang Qld 4211

Kathryn.Z.Goody@tmr.qld.gov.au

www.tmr.qld.gov.au



From: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 12:51 PM
To: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>
Cc: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: FW: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Kathy,
Can you please check up on the installation of this one with P&M/RoadTek.
Thanks

Kind regards,

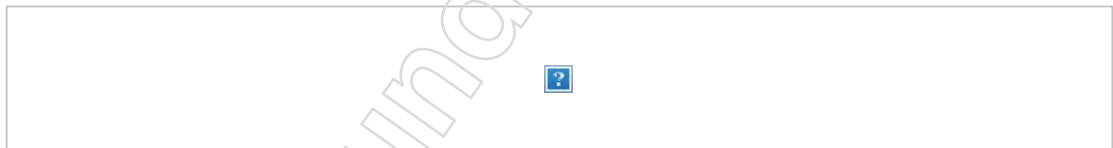
Derek Grant
Principal Engineer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5503 7321
Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Derek.P.Grant@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 12:40 PM
To: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>
Subject: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Derek

Would one of your team be able to confirm if this signage has been installed please? Re Ministerial
[MC143738 Tom Tate](#)



Thanks!

Kind regards,

Lynda Most
Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

1st Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 5563 6620 | F: (07) 5563 6611
lynda.j.most@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Clint Z Dykstra
To: Jorge M Ibanez-Formas; Jason Q Ha
Cc: Hanwen Z Cui; Derek P Grant; Jai Y Patel; Alicia F Finch; Kathryn Z Goody; Suresh Singh Z Seibi; Praveen Gurung
Subject: RE: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR
Date: Thursday, 11 April 2024 2:07:42 PM
Attachments: image002.png
image005.png
image006.png
image007.png
image008.jpg

Hi All,

I've had a quick look at the proposed advanced direction sign (ADS) face and location and normally this type of sign would be fairly low risk, but in this case mounting the sign on the inside of the horizontal curve and steep cut batter, within the safe intersection sight distance (SISD) envelope, could further reduce an already compromised SISD on the eastbound approach (towards Nerang) at the intersection of Clagiraba Rd. The cut batter slope is also transitioning from a flatter cut slope (at the existing Clagiraba Rd / w/iney ADS) to a steeper slope in the proposed sign location, making installation difficult.

Regardless, I see that this was a request from the CoGC Mayor, so please leave it with us (Design Team), we will find a suitable location for the sign and include the construction details on the IFC Drawings for the project we are working on with Hanwen as the PM.

Jason, please discuss any costing issues with Hanwen, thanks. If required, you could liaise with Hanwen to provide a version of our design drawings pre-IFC for your comment.

Regards,

Clint Dykstra
Principal Designer (Civil) (Design Team) | Technical Services | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

P: 07 5563 6649
Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Clint.Z.Dykstra@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>
Sent: Thursday, 11 April 2024 8:49 AM
To: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>
Cc: Hanwen Z Cui <Hanwen.Z.Cui@tmr.qld.gov.au>; Clint Z Dykstra <Clint.Z.Dykstra@tmr.qld.gov.au>; Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>; Jai Y Patel <Jai.Y.Patel@tmr.qld.gov.au>; Alicia F Finch <alicia.f.finch@tmr.qld.gov.au>; Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>
Subject: FW: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR

Hi Jason.

This should be forwarded to Design team who are currently preparing the detailed design for the Beaudesert – Nerang Road / Clagiraba Road Fatal Crash Remediation project. Hanwen is the PM for this project.

There is risk in undertaking this in isolation to the project work as it also involves new signs and sight distance considerations.

Kind regards,

Jorge Ibanez - Formas
Senior Officer Traffic Investigations (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure and Delivery
Department of Transport and Main Roads

P: 07 5563 6547 | M: [REDACTED]
Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
jorge.m.ibanez-formas@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>
Sent: Thursday, 11 April 2024 8:39 AM
To: Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>
Cc: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>; Jai Y Patel <Jai.Y.Patel@tmr.qld.gov.au>; Alicia F Finch <alicia.f.finch@tmr.qld.gov.au>; Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>; Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Subject: FW: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR

Hi Jorge

Can you please assist – see Internal request from Jason Ha (Asset Management) – safety / sight distance assessment request –

Beaudesert-Nerang Road & Clagiraba Road Intersection.

Please cc: DPG, JYP, AFF & myself in outcomes – thank you.

Kind regards

Kathryn Goody
Operations Officer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6495
Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Kathryn.Z.Goody@tmr.qld.gov.au
www.tmr.qld.gov.au

Mon	Tue	Wed	Thu	Fri
			?	?

From: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>

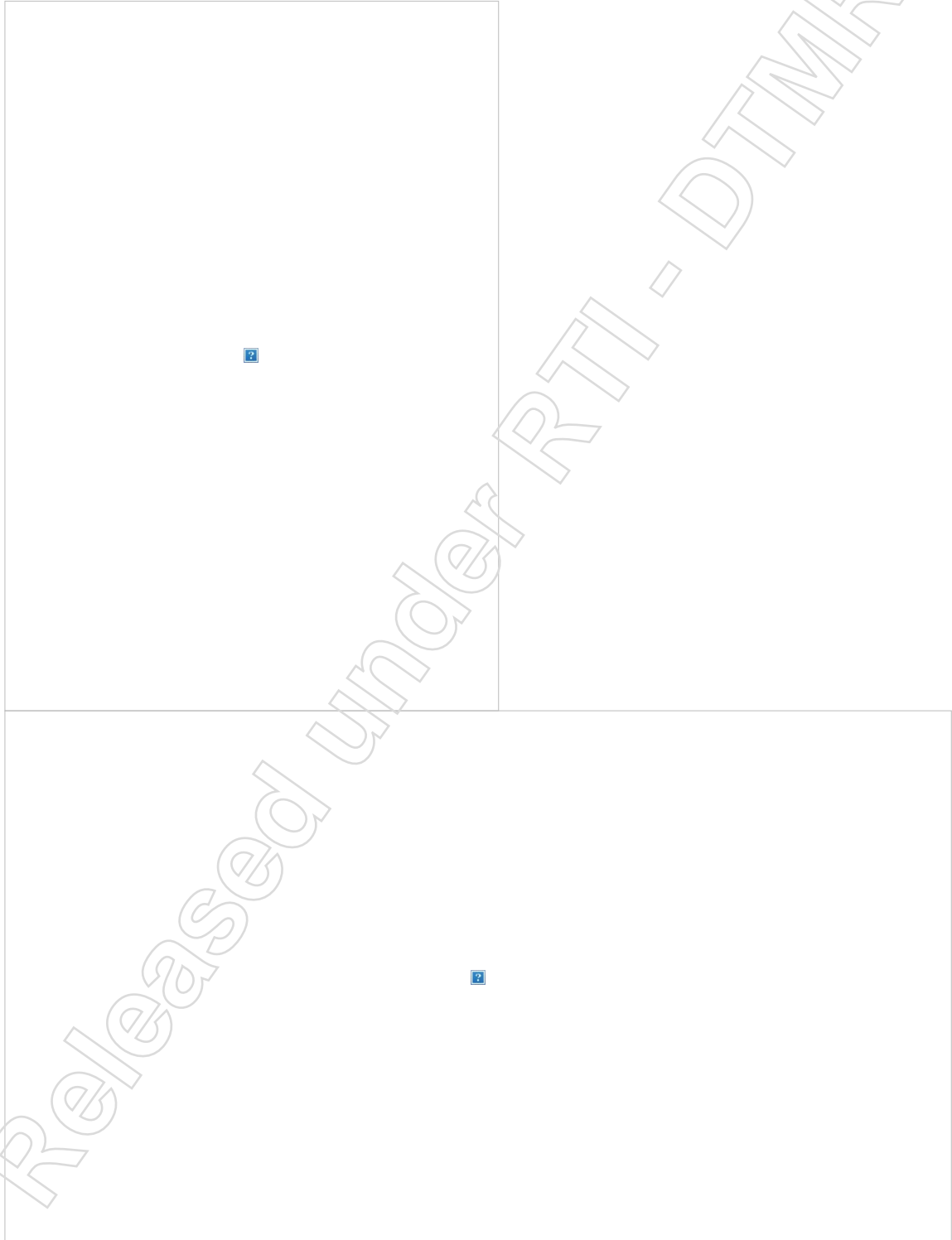
Sent: Wednesday, 10 April 2024 4:31 PM
To: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>
Cc: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Subject: FW: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR

Hi Kathy,

Wondering if TEP can arrange for an assessment of this directional reassurance sign on Road 202 for the mayor.

Wondering if TEP can do a sight distance assessment to ensure its appropriate for this intersection. *This will still be paid for by Asset Team*

My assessment is based on the below diagram however it does not take into account the curve in the road.



Warm Regards,

Jason Ha
Road Signage and Delineation Coordinator | Asset Management | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division

Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
jason.q.ha@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Sent: Wednesday, 10 April 2024 4:24 PM
To: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>
Subject: RE: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR

Hi Jason,

As discussed, could you please run the location and the necessity of the sign in this particular instance through TEP and let me know about the outcome to proceed.

Thank you.

Kind Regards,

Sri Sachit Mogallapu
Engineer- Civil (Preservation & Maintenance) | South Coast Region
Program Delivery & Operations Branch | Infrastructure Management and Delivery division
Department of Transport and Main Roads

First Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
(07) 5563 6509 | M NR
sri.s.mogallapu@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>
Sent: Tuesday, 9 April 2024 9:52 AM
To: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Subject: FW: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR

Hi Sri,

Wondering on the progression of this work order

Warm Regards,

Jason Ha
Road Signage and Delineation Coordinator | Asset Management | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
jason.q.ha@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Jason Q Ha
Sent: Thursday, 21 March 2024 12:59 PM
To: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Subject: FW: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR

Hi Sri Please see attached approval for Sign installation.

This is a request from the Mayor.

Can we please make this urgent?

File and spreadsheet updated

Thanks

Warm Regards,

Jason Ha
Road Signage and Delineation Coordinator | Asset Management | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
jason.q.ha@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Yih C Wong <Yih.C.Wong@tmr.qld.gov.au>
Sent: Thursday, 21 March 2024 12:18 PM
To: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>
Cc: Minrui Z Chen <Minrui.Z.Chen@tmr.qld.gov.au>
Subject: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR

Hi Jason,

Approved.

Kind regards,

Yih C Wong, MIEAust CPEng RPEQ
Principal Engineer /Asset Management | South Coast Region
Program Delivery & Operation Branch | Department of Transport and Main Roads
Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 55636529 | F: (07) 55636611
E: yih.c.wong@tmr.qld.gov.au
W: www.tmr.qld.gov.au



From: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>
Sent: Thursday, 21 March 2024 12:13 PM
To: Yih C Wong <Yih.C.Wong@tmr.qld.gov.au>
Cc: Minrui Z Chen <Minrui.Z.Chen@tmr.qld.gov.au>
Subject: Work order for approval FW: MC143738 Tom TateContent Provider - Action Required MAYOR

Hi Yih,

Please see attached work order for approval.

Warm Regards,

Jason Ha
Road Signage and Delineation Coordinator | Asset Management | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

Ground Floor | 16-18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
jason.q.ha@tmr.qld.gov.au
www.tmr.qld.gov.au

From: sharepoint@intranet.tmr.qld.gov.au <sharepoint@intranet.tmr.qld.gov.au>
Sent: Friday, 15 March 2024 1:02 PM
To: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>
Subject: MC143738 Tom TateContent Provider - Action Required

[Submitted by Kathryn.Z.Goody@tmr.qld.gov.au]
You have been nominated as a content provider for the correspondence below. Please action as required.

Correspondence Mg - **Content Provider or interested party**

You have been nominated as the content provider or CC'd for the following correspondence:

If you are the nominated content provider:

<https://intranet.tmr.qld.gov.au/sites/pdo-cm-v7/Lists/V6%20Template/EditForm.aspx?ID=173>

Actions required:

1. Click on the link above to access the correspondence
2. Click hyperlink to open template
3. Choose Edit in Word to make changes
4. Complete template with required information
5. **SAVE Template**
6. Forward to next content provider or click "Send to CSMT" once content provided
7. If you are not the appropriate content provider either:
8. Click "Return to Bus Serv Team" button OR
9. Add another content provider and send

From: [Hanwen Z Cui](#)
To: [Lynda J Most](#)
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate
Date: Wednesday, 19 June 2024 12:20:24 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

No worries Lynda, this project was funded through Targeted Road Safety Programs - Fatal Crash Remediation.

The funding is coming from Fatal MAP application.

Kind regards

Hanwen Cui

Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR
Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 12:03 PM
To: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Just one more thing sorry Hanwen ! Is it funded under Safer Roads Sooner ?

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

1st Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 5563 6620 | F: (07) 5563 6611
lynda.j.most@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:52 AM
To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Great, any time Lynda, glad that helped

Kind regards

Hanwen Cui

Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR

Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:49 AM
To: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Thanks Hanwen that's just what I'm after!

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

1st Floor | 36-38 Cotton Street | Nerang Qld 4211
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P: (07) 5563 6620 | F: (07) 5563 6611
lynda.j.most@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:38 AM
To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Sure Lynda.

The project was funded due to fatal crash happened on 28/10/2022, in which a car ran off road on Beaudesert Nerang Road, intersection with Clagiraba Road. Upon investigation, deficiencies of driver visibilities at the intersection were identified, although they might have not directly contributed to the crash.

To improve the visibility the current scope of the project comprises:

- Veg trimming and weed spraying on both approaches to the intersection
- Construction with a concrete median with signage and flag lighting on Clagiraba Road
- **Moving stop line forward on Clagiraba Road to improve the visibility**
- Upgrade of existing W2-8B(R) signages to TC1728B with high impact on B-N Road

Stop line has already been delivered by Ventia as a part of pavement re-surfacing project through E17.

We are finalizing the detailed design with Tech Services for the rest of the scope.

Please let me know if you need anything else. Thank you.

Kind regards

Hanwen Cui
Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR

Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:27 AM
To: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Hanwen

Are you able to tell me any more about the fatal crash project please?

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

1st Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 5563 6620 | F: (07) 5563 6611
lynda.j.most@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Hanwen Z CUI <Hanwen.Z.Cui@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:14 AM
To: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>; Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>; Hari R Krishnan <hari.r.krishnan@tmr.qld.gov.au>
Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>; Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Thanks Sri, I'll check with Clint next week when he comes back from holiday to see if we can include the delivery of this signage ahead of the intersection of Beaudesert – Nerang and Clagiraba in the eastbound direction to Nerang.

I'll then check with Jason and Derek to see if there's funding to be transferred to support the installation of the signage.

Kind regards

Hanwen Cui

Civil Engineer (Preservation & Maintenance – Delivery) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

P: (07) 5563 6661 | M: NR
Floor 1 | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
Hanwen.Z.Cui@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 11:06 AM
To: Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>; Hari R Krishnan <hari.r.krishnan@tmr.qld.gov.au>

Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>; Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>; Hanwen Z Cui <Hanwen.Z.Cui@tmr.qld.gov.au>

Subject: RE: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi SJ,

Hanwen is the PM for these works.
Please forward the Corro to him.

Kind Regards,

Sri Sachit Mogallapu
Engineer- Civil (Preservation & Maintenance) | South Coast Region
Program Delivery & Operations Branch | Infrastructure Management and Delivery division
Department of Transport and Main Roads

First Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
(07) 5563 6509 | M NR
sri.s.mogallapu@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 4:36 PM

To: Hari R Krishnan <hari.r.krishnan@tmr.qld.gov.au>; Sri S Mogallapu <Sri.S.Mogallapu@tmr.qld.gov.au>

Cc: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>; Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>

Subject: FW: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Sri / Hari

Please assist SJ

Kind regards,

Humphrey Jakata
Principal Engineer | Preservation & Maintenance
South Coast Region / Gold Coast Office
Program Delivery & Operations | Department of Transport and Main Roads

First Floor | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
(07) 5563 6462 | M NR
humphrey.z.jakata@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 2:56 PM

To: Humphrey Jakata <Humphrey.Z.Jakata@tmr.qld.gov.au>

Cc: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>

Subject: BN Rd - fatal crash project: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Humphrey

Not sure PM is working on this project.

In this Ministerial we have committed to installing a sign, just need to include it as part of the project. Is there a timeframe for delivery of the project?

Thank you

Sarah-Jane

Sarah-Jane Bartlem

Senior Communications Advisor (Natural Disaster Program) | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management & Delivery Division
Department of Transport and Main Roads

Phone: (07) 5563 6687

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PO Box 442 | Nerang Qld 4211

sarah-jane.y.bartlem@tmr.qld.gov.au

www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 2:32 PM

To: Sarah-Jane Y Bartlem <Sarah-Jane.Y.Bartlem@tmr.qld.gov.au>

Subject: RE: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Ms SJ

Do we have a road safety project at the intersection of Beaudesert-Nerang Road and Clagiraba Road? Jason has mentioned they can't install a sign there due "to a road safety project" but its not clear on the CSMT project list exactly what project that would be. Can you please advise?



Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team

South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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lynda.j.most@tmr.qld.gov.au

www.tmr.qld.gov.au

From: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 1:44 PM

To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>

Cc: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>

Subject: RE: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Lynda,

Wondering if you got my email back in April regarding the intersection upgrade.

The sign cant be installed due to the safety upgrade happening. But the upgrade will accommodate for this. It just cant be installed until the designs are complete.

Thanks

Jason Ha

Road Signage and Delineation Coordinator | Asset Management | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

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jason.q.ha@tmr.qld.gov.au

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From: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>

Sent: Tuesday, June 18, 2024 1:27 PM

To: Clint Z Dykstra <Clint.Z.Dykstra@tmr.qld.gov.au>; Ryan W Oeschger <Ryan.W.Oeschger@tmr.qld.gov.au>

Cc: Jason Q Ha <Jason.Q.Ha@tmr.qld.gov.au>; Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>; Jai Y Patel <Jai.Y.Patel@tmr.qld.gov.au>; Jorge M Ibanez-Formas <Jorge.M.Ibanez-Formas@tmr.qld.gov.au>; Alicia F Finch <alicia.f.finch@tmr.qld.gov.au>

Subject: FW: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Design

Can you please follow up with Lynda for below / attached – thank you.
As this is Directional Signage this action is with Asset Management team.

Kind regards

Kathryn Goody

Operations Officer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

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Kathryn.Z.Goody@tmr.qld.gov.au

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From: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 12:51 PM
To: Kathryn Z Goody <Kathryn.Z.Goody@tmr.qld.gov.au>
Cc: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: FW: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Kathy,
Can you please check up on the installation of this one with P&M/RoadTek.
Thanks

Kind regards,

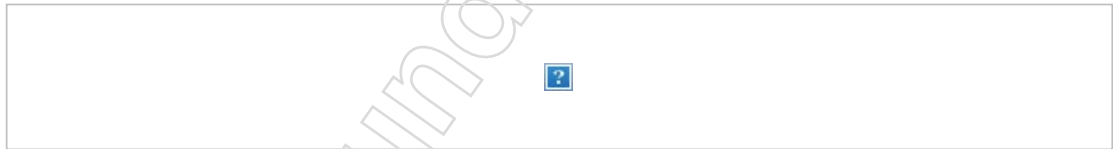
Derek Grant
Principal Engineer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

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Ground Floor | 16-18 White Street | Nerang Qld 4211
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Derek.P.Grant@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Tuesday, June 18, 2024 12:40 PM
To: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>
Subject: Request confirmation of directional signage installation - MC143738 Tom Tate

Hi Derek

Would one of your team be able to confirm if this signage has been installed please? Re Ministerial
[MC143738 Tom Tate](#)



Thanks!

Kind regards,

Lynda Most
Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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lynda.j.most@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [Andrew M Wheeler](#)
To: [Lynda J Most](#)
Cc: [Emmi Z Stringer](#)
Subject: RE: Approval request: MC143738 Tom Tate
Date: Monday, 24 June 2024 1:43:06 PM
Attachments: [image001.png](#)

Thanks Lynda, approved.

Kind Regards

Andrew Wheeler
Regional Director | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

P: 07 30665816
First Floor | 36-38 Cotton Street | Nerang Qld 4211
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This email and any attachments may contain Cabinet-related or legal professional privileged information. The unlawful disclosure or retention of Cabinet-related information may constitute an offence under the *Criminal Code*, corrupt behaviour under the *Crime and Corruption Act 2001* and may constitute official misconduct under the *Public Sector Ethics Act 1994*. Encouraging or directing another person to do these things may also be an offence.

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Monday, June 24, 2024 1:20 PM
To: Andrew M Wheeler <Andrew.M.Wheeler@tmr.qld.gov.au>
Cc: Emmi Z Stringer <Emmi.z.Stringer@tmr.qld.gov.au>
Subject: Approval request: MC143738 Tom Tate

Hi Andrew

Please find attached updated MC143738 for your approval. This was an earlier Ministerial finalised in March that has come back for a currency check.

Kind regards,

Lynda Most
Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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From: Robert E Ebbstein <Robert.E.Ebbstein@tmr.qld.gov.au>
Sent: Monday, June 24, 2024 12:58 PM
To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: RE: Urgent Approval request: MC143738 Tom Tate

Thanks Lynda, Approved

Robert Ebbstein
Manager (Technical Services) | South Coast Region
Program Delivery and Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

P: 07 5561 3881 | M: [REDACTED]
Floor 1 | Nerang 16 – 18 White Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
robert.e.ebbstein@tmr.qld.gov.au
www.tmr.qld.gov.au



From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Monday, June 24, 2024 12:55 PM
To: Robert E Ebbstein <Robert.E.Ebbstein@tmr.qld.gov.au>
Subject: Urgent Approval request: MC143738 Tom Tate
Importance: High

Hi Rob

Please find attached the updated MC143738 for your urgent approval.

I sent this back in March and it is only just being sent from the MO now, and they asked for a currency check so it now has content about the safety project.

Thanks!

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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From: Shane V McNamee <shane.v.mcnamee@tmr.qld.gov.au>
Sent: Monday, June 24, 2024 12:45 PM
To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: RE: Urgent Approval request: MC143738 Tom Tate

Approved

Kind regards

Shane McNamee

Manager (Project Planning and Corridor Management) | South Coast Region
Program Delivery And Operations | Department of Transport and Main Roads

Ground Floor | Nerang - Gold Coast Office | 36-38 Cotton Street | Nerang Qld 4211
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P: (07) 55636596 | F: (07) 55636611
E: shane.v.mcnamee@tmr.qld.gov.au
W: www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Monday, June 24, 2024 11:12 AM
To: Shane V McNamee <shane.v.mcnamee@tmr.qld.gov.au>
Subject: Urgent Approval request: MC143738 Tom Tate
Importance: High

Hi Shane

For your urgent approval please. Even though we sent this back in March it is only just being sent from the MO now hence update re project.

Thanks.

Kind regards,

Lynda Most

Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

st

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From: Lynda J Most
Sent: Wednesday, June 19, 2024 1:12 PM
To: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>
Subject: RE: Approval request: MC143738 Tom Tate

Hib Derek Yes I have deleted that in the edits.

Kind regards,

Lynda Most
Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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lynda.j.most@tmr.qld.gov.au
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From: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 1:03 PM
To: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Subject: RE: Approval request: MC143738 Tom Tate

Hi Lynda,
It looks good to go. Do we want to change the April installation date for the advanced warning sign?
Thanks

Kind regards,

Derek Grant
Principal Engineer (Traffic Engineering Practice – PP&CM) | South Coast Region
Program Delivery and Operations | Infrastructure Management and Delivery
Department of Transport and Main Roads

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Derek.P.Grant@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Lynda J Most <Lynda.J.Most@tmr.qld.gov.au>
Sent: Wednesday, June 19, 2024 12:33 PM
To: Derek P Grant <Derek.P.Grant@tmr.qld.gov.au>
Subject: Approval request: MC143738 Tom Tate

Hi Derek

For our approval please.

We prepared this response obo the Minister [MC143738](#) back in March but they are only just sending it out now. The Mins office asked us to check for updates before it goes out.

I have made some changes for based on advice re the signage being on hold due to current planning for the fatal crash project.

Thanks!

Kind regards,

Lynda Most
Communications Advisor | Customer and Stakeholder Management Team
South Coast Region | Program Delivery and Operations | Department of Transport and Main Roads

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Released under RTI - DTMR



Minister for Transport and Main Roads
Minister for Digital Services

Our ref: MC143738

Your ref: MS2#A98281158

19 JUL 2024

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Telephone +61 7 3719 7300
Email transportandmainroads@ministerial.qld.gov.au
Website www.tmr.qld.gov.au

Councillor Tom Tate
Mayor
Gold Coast City Council
mayor@goldcoast.qld.gov.au

Dear Councillor Tate

Thank you for your letter of 13 March 2024 on behalf of the Clagiraba community, about the impact of non-local motorists utilising Clagiraba Road as a short cut between Nerang and Canungra. I apologise for the delay in responding.

The Department of Transport and Main Roads (TMR) has investigated your request to install signage directing motorists to remain on Beaudesert–Nerang Road between Nerang and Canungra, to reduce traffic on the local government Clagiraba Road. I am advised this signage will be considered for inclusion in the scope for a fatal crash remediation project, for the intersection of Beaudesert–Nerang Road and Clagiraba Road. The project is funded under the Targeted Road Safety Program and is currently in the design phase.

I am also advised that TMR has considered your request for signage on the westbound approach to Clagiraba Road, at the intersection of Beaudesert–Nerang Road and Nerang–Murwillumbah Road, advising motorists heading to Canungra to turn right at the traffic signals and stay on Beaudesert–Nerang Road. I am advised there is already signage in place at this intersection directing motorists to stay on Beaudesert–Nerang Road, if heading to Canungra, Beaudesert, and Mount Tamborine, and that TMR is satisfied the signage is sufficient for this purpose as the message is clear, the sign is in good condition and meets TMR's reflectivity and readability standards. As such, I am advised that TMR will not be installing any additional signage at this location.

I note your reference to TMR's previous rejection of requests to install 'Ignore GPS' signage, compared to other sites on Beaudesert–Nerang Road. TMR engineers consider requests for signage according to the specific conditions on that section of road, and the standards that apply to those conditions. I am advised the 'Ignore GPS' signage in place on Beaudesert–Nerang Road at Wonglepong and Biddaddaba is in place to address major safety concerns. Unlike the rest of Beaudesert–Nerang Road, this section is narrow and partly unsealed with a speed limit of 100 km/h. It is unsuitable for caravans, horse floats and some heavy vehicles, whereas Clagiraba Road is a sealed two-lane road with a speed limit of 60 km/h. I hope this clarifies TMR's position on that matter.

I trust this information helps with your response to the Clagiraba community.

Yours sincerely

NR

BART MELLISH MP
Minister for Transport and Main Roads
Minister for Digital Services