

From: s 47F
To: [National Flood Mitigation Infrastructure Fund](#)
Subject: Queensland Applications for National Flood Mitigation Infrastructure Program - Email 9 of 22 - Carpentaria Shire Council - Armstrong Creek Causeway
Date: Friday, 12 February 2021 3:07:23 PM
Attachments: [image001.png](#)
[image002.png](#)
[NFMIP Application Form - Carpentaria Shire Council - Armstrong Creek Cau....pdf](#)
[Attachment - Armstrong Creek Causeway Locality Plan.pdf](#)

Good afternoon,

Please find attached an application from Queensland for the National Flood Mitigation Infrastructure Program.

Please note that each application will be sent as a separate email.

Regards

s 47F



s 47F

General Manager
Resilience

Queensland Reconstruction Authority

P s 47F E s 47F [@qra.qld.gov.au](mailto:s 47F@qra.qld.gov.au)

M s 47F

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PO Box 15428, City East QLD 4002

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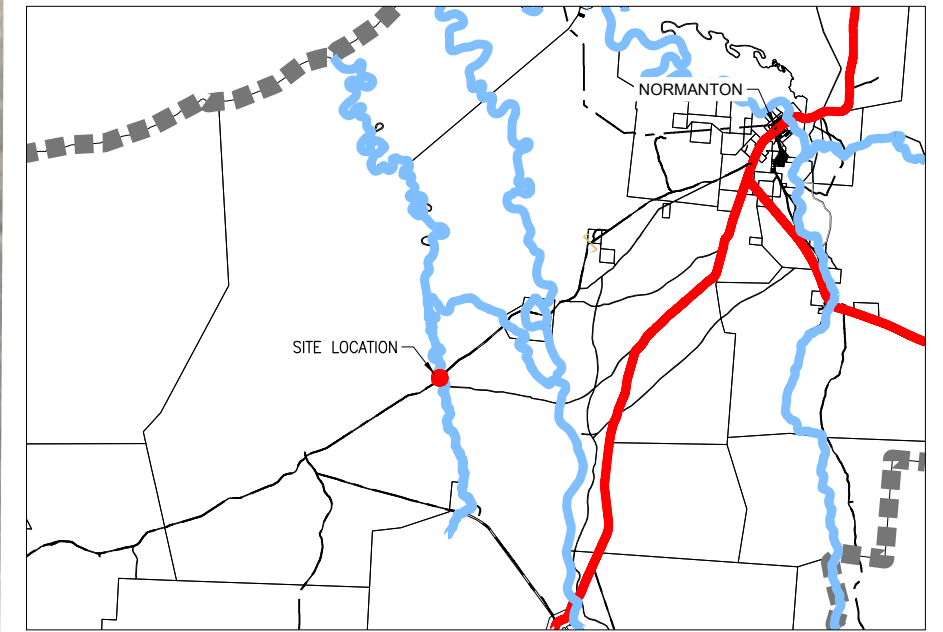
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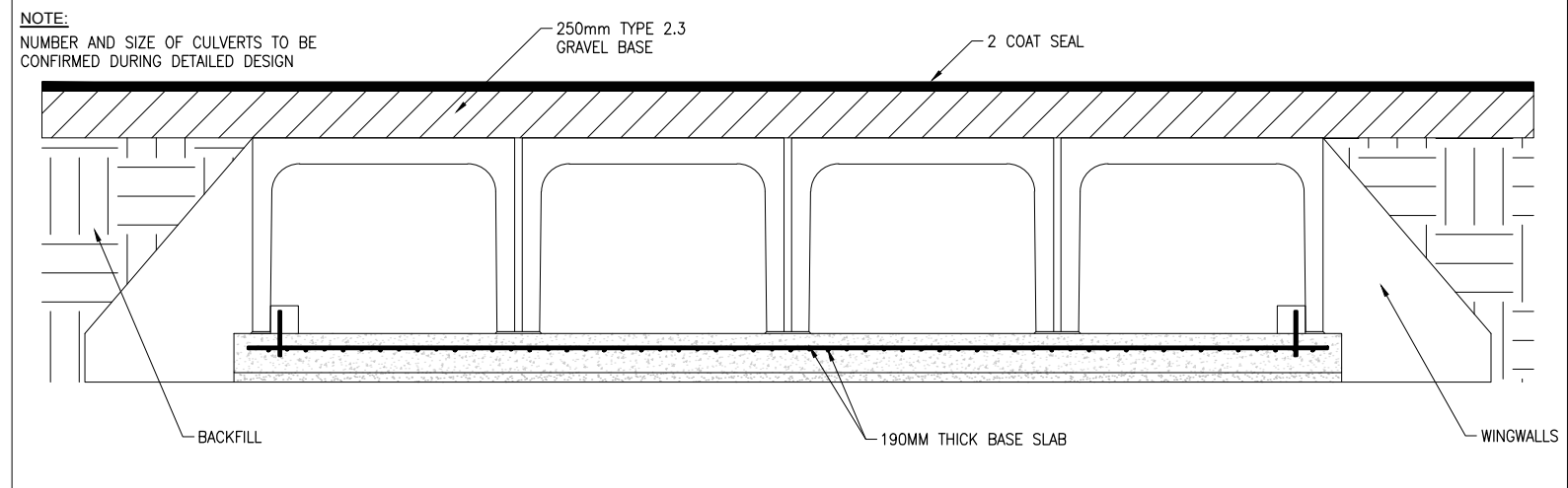


PROJECT LOCALITY



SITE LOCATION

REMOVE EXISTING PIPES AND INSTALL BOX CULVERTS THROUGH CROSSING



NOTE:
NUMBER AND SIZE OF CULVERTS TO BE CONFIRMED DURING DETAILED DESIGN

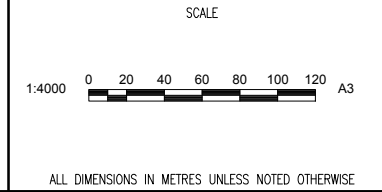
TYPICAL CULVERT LONGITUDINAL SECTION
SCALE 1:40

- LEGEND**
- PROPERTY BOUNDARY
 - - - EXISTING ROAD CENTRELINE
 - RIVER/WATERWAY
 - ■ ■ ■ SHIRE BOUNDARY
 - STATE CONTROLLED ROAD
 - EXISTING CAUSEWAY

FOR INFORMATION ONLY

PLOT DATE 20/07/2020 12:17:49 PM
FILE LOCATION X:\101 Carp SC\135 DOE\Minor Jobs\1070 - QDRRF 2019-20_2 Drawings\101-135-1070-SK10 LOCALITY PLAN.dwg

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	18/03/20	INITIAL ISSUE		



DRAWN	RH	DESIGNED	RH
DRAWN APPROVED	JM	DESIGN APPROVED	
CIVIL SIGNOFF APPROVAL		DATE: RPEQ:	

PROJECT REF	QDRF 2019-20		
DRAWING REF	ARMSTRONG CREEK CAUSEWAY LOCALITY PLAN		
DRAWING NO	101-135-1070-SK10	SIZE	A3
REVISION			1

National Flood Mitigation Infrastructure Program

Project Application Form

This project application form is to be completed for each project that seeks funding from the National Flood Mitigation Infrastructure Program.

In order for this application to be considered eligible, all sections must be completed, with the finalised application attached to the Application Covering Sheet, prepared by the relevant state or territory government.

Grey instructional text should be deleted prior to submission.

Part 1B – Application Overview

State/territory	Queensland
Project name	Armstrong Creek Causeway
Will this project be delivered by a third party, such as a commercial service provider or through a local government?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Name of the third party or local government	Carpentaria Shire Council
State/Territory Contact officer	s 47F General Manager Resilience Queensland Reconstruction Authority s 47F @qra.qld.gov.au s 47F

Part 2B – Project Overview

Will this project result in the construction of a new asset?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, where will this asset be located	N/A
Will this project result in the improvement of an existing asset?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, where is this asset located?	Normanton-Burketown Road, Carpentaria Shire Council, QLD, 4890
If yes, provide an overview of the works	This project will remove the existing floodway and install a new concrete base slab and box culverts through Armstrong Creek on Normanton - Burketown Road. This will raise the creek crossing to improve flood resilience.

Part 3B – Existing Infrastructure

Has the asset ever been impacted by a natural disaster?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, provide details of the event	The Armstrong Creek Crossing on the Normanton-Burketown Road has been impacted by seven events since 2010.
Has financial assistance, such as that available under the Disaster Recovery Funding Arrangements, ever been received for this asset?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please provide details	The Normanton-Burketown Road has received financial assistance under the former National Disaster Relief and Recovery Arrangements for the following events:

	Financial Year	Event / AGRN number	Dollars for event (\$)
	2009-10	Queensland Monsoonal Flooding (AGRN 317) and TC Olga and Neville, Ului and Paul January to April 2010	\$58,400
	2011-12	Heavy Rainfall and Flooding Northern and Far Northern QLD 2012 (AGRN 484)	\$221,300
	2013-14	TC Fletcher 2014 (AGRN 607)	\$7,000
	2015-16	Gulf of Carpentaria Monsoon Trough 2016 (AGRN 691)	\$837,000
	2016-17	Gulf Tropical Low February 2017 (AGRN 751)	\$218,600
	2017-18	Severe Tropical Cyclone Nora and Associated Flooding 24-29 March 2018 (AGRN 801)	\$21,600
Has financial assistance previously been, or is currently being, provided through Commonwealth, state/territory or other initiatives to support this asset?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Part 4B – Detailed project overview

Detailed project description	<p>The project scope includes the following works for flood prevention:</p> <ul style="list-style-type: none"> • Detailed design • Site establishment • Construction of side track • Removing existing floodway • Preparing surface for a base slab • Installing a new concrete base slab • Curing base slab • Installing box culverts • Backfill and granular pavement • Two coat seal • Site disestablishment.
Why is this project required?	<p>This section of the Normanton-Burketown road is subject to frequent flooding during the shire's wet season which leads to the complete isolation of station owners and workers preventing them from accessing necessities such as food and medical supplies for extended periods of time.</p> <p>Council site inspections have identified that this section of the Normanton - Burketown road is one of the first to flood, causing longer isolation periods for station owners and station workers, while at the same time preventing the flow of travellers and transport companies. Flooding of this road during the wet season prevents station owners and workers from exporting and transporting their livestock.</p> <p>When this road is flooded, local businesses are also impacted economically as travel into Normanton and Karumba is restricted for workers such as cattle truck drivers, station workers and tourists from neighbouring towns.</p>
Are documents attached to provide evidence of this need?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What are the proposed outcomes for this project?	<p>Completing this project will result in greater income stability for local station owners who will be able to transport and sell cattle for longer periods throughout the year, as the road will be disrupted by flood events less frequently.</p> <p>The proposed works will also improve the safety of the causeway by minimising vertical curves and providing better vision of floodwater heights for road users.</p>
What is the proposed delivery timeframe for this project?	<p>Estimated duration of the project is approximately 10 weeks, with a proposed commencement date of 3 May 2021 to allow for project delivery in the dry season.</p> <p>Funding period to 30 June 2023 is sought.</p>

Part 5B – Financial

What is the estimated cost for this project?	\$793,339.49
Will a co-contribution be provided?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

If yes, what is the value of the co-contribution?	N/A
If yes, who is providing the co-contribution?	N/A

Part 6B – Community Consultation

Has community consultation been undertaken prior to the submission of this application?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please provide details of this consultation	Council has undertaken consultation with local station owners. Council advises this is a priority project for the community.
Are documents attached to provide evidence of this consultation?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Document 4

From: s 47F
To: [National Flood Mitigation Infrastructure Fund](#)
Subject: Queensland Applications for National Flood Mitigation Infrastructure Program - Email 8 of 22 - Burke Shire Council - Floraville and Truganini Roads Upgrades
Date: Friday, 12 February 2021 3:06:25 PM
Attachments: [image001.png](#)
[image002.png](#)
[NFMIIP Application Form - Burke Shire Council - Floraville and Truganinipdf](#)

Good afternoon,

Please find attached an application from Queensland for the National Flood Mitigation Infrastructure Program.

Please note that each application will be sent as a separate email.

Regards

s 47F



s 47F

General Manager
Resilience

Queensland Reconstruction Authority

P s 47F E s 47F [@gra.qld.gov.au](mailto:s 47F@gra.qld.gov.au)

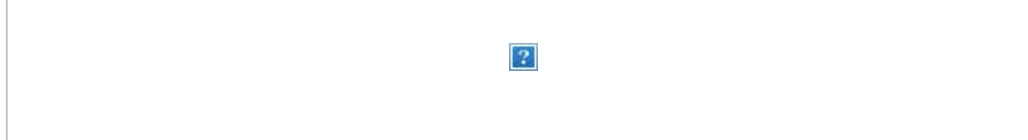
M s 47F

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National Flood Mitigation Infrastructure Program

Project Application Form

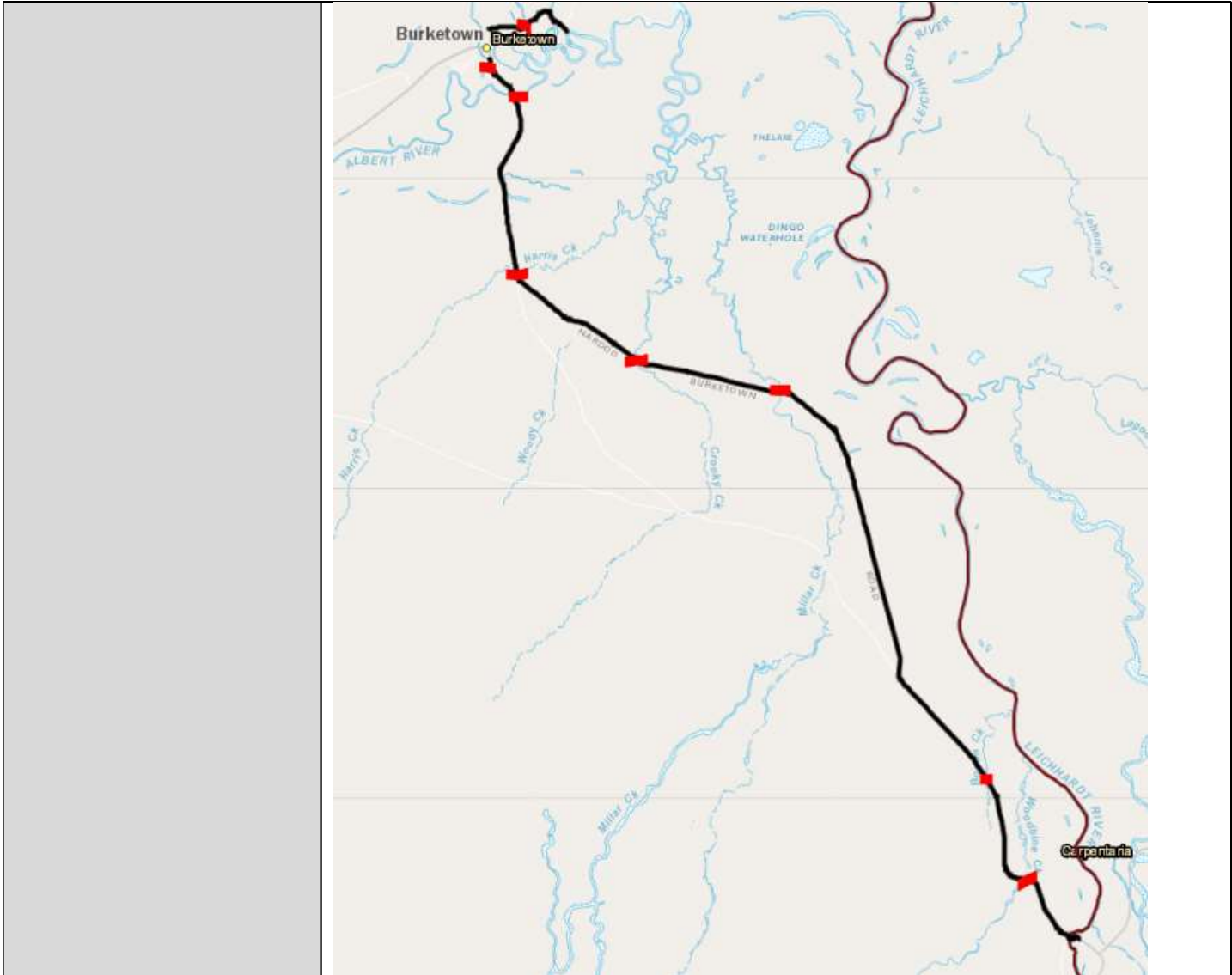
This project application form is to be completed for each project that seeks funding from the National Flood Mitigation Infrastructure Program.

In order for this application to be considered eligible, all sections must be completed, with the finalised application attached to the Application Covering Sheet, prepared by the relevant state or territory government.

Grey instructional text should be deleted prior to submission.

Part 1B – Application Overview	
State/territory	Queensland
Project name	Floraville Road and Truganini Road Upgrades
Will this project be delivered by a third party, such as a commercial service provider or through a local government?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Name of the third party or local government	Burke Shire Council
State/Territory Contact officer	s 47F General Manager, Resilience Queensland Reconstruction Authority Ph: s 47F s 47F @qra.qld.gov.au

Part 2B – Project Overview	
Will this project result in the construction of a new asset?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, where will this asset be located	
Will this project result in the improvement of an existing asset?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, where is this asset located?	See marked up locations along Floraville Road and Truganini Road.



If yes, provide an overview of the works

In 2020, flooding induced a major culvert failure, which required the urgent replacement of two of the major seven cell culverts on Floraville Road. Following identification of potential issues, a condition assessment was undertaken on the remaining assets. This assessment identified that urgent replacement is required for the asset sites, as shown above, due to structural instability.

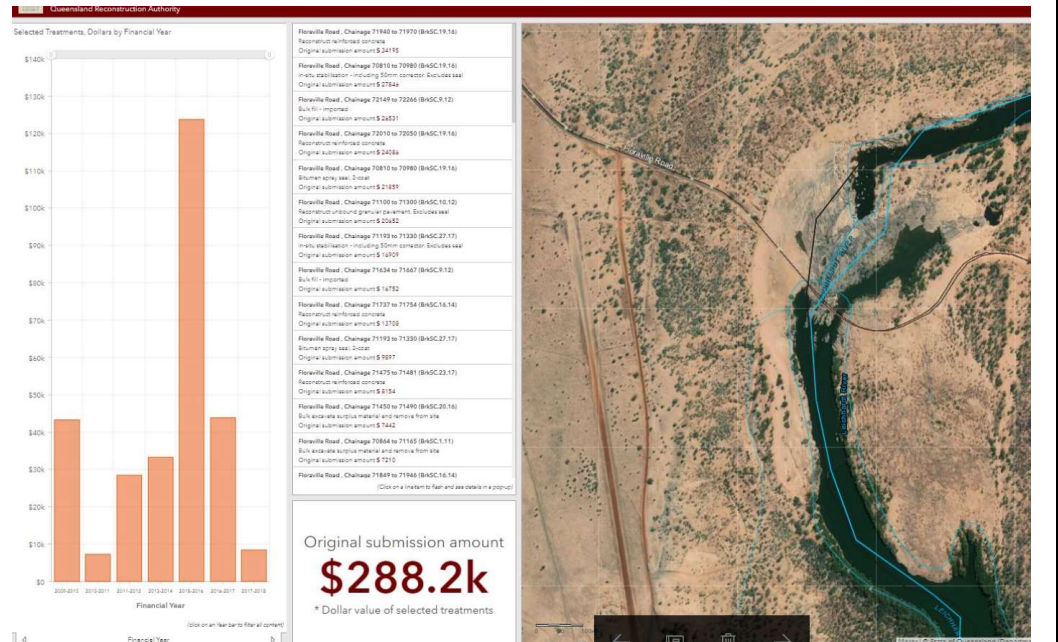
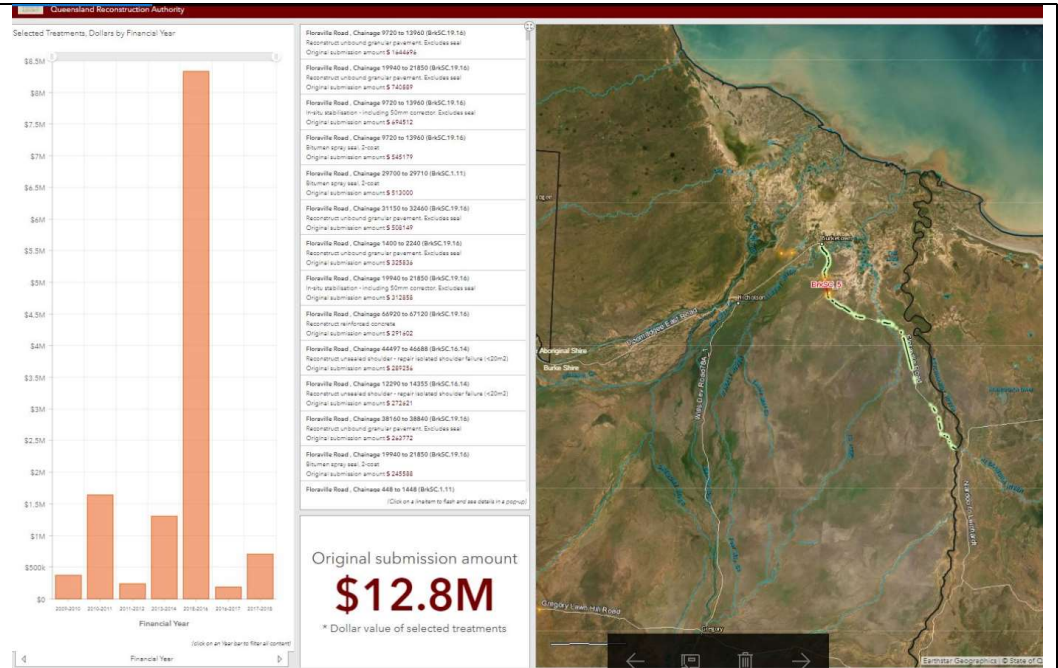
Recognising the criticality of these mitigation works, Council has allocated funding to complete the initial survey, geotechnical investigations and preliminary design. However, additional funding is essential to complete the construction of these flood mitigation projects. The replacement of these culverts must occur between May and November 2021 as a further failure will require the imposition of load restrictions, and will also likely result in road closure.

Part 3B – Existing Infrastructure

Has the asset ever been impacted by a natural disaster?

Yes
 No

If yes, provide details of the event



Has financial assistance, such as that available under the Disaster Recovery Funding Arrangements, ever been received for this asset?

Yes
 No

If yes, please provide details

Leichhardt River Crossing (Burke) – Floraville Road		
FY	Event	Dollars
2009-2010	Queensland Monsoonal Flooding and TC Olga and Neville, Ului and Paul, (AGRN 372)	\$43,300
2010-2011	Severe Tropical Cyclone Yasi (AGRN 428)	\$7,200
2011-2012	Western Old Tropical Low	\$28,400

		(AGRN 472)	
	2013-2014	TC Fletcher (AGRN 607)	\$33,300
	2015-2016	Gulf of Carpentaria Monsoon Trough (\$116.3k) (AGRN 691)	\$123,700
		Far North and North West Qld Tropical Low (\$7.4K) (AGRN 708)	
	2016-2017	Gulf Tropical Low (AGRN 751)	\$43,900
2017-2018	North and North West QLD Low (AGRN 790)	\$8,500	
Has financial assistance previously been, or is currently being, provided through Commonwealth, state/territory or other initiatives to support this asset?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Part 4B – Detailed project overview

Detailed project description	The project will deliver the replacement and upgrading of drainage assets that is urgently required to prevent further closure of the road and the imposition of load restrictions due to structural instability.																		
Why is this project required?	<p>The project is essential to improve road safety and resilience to drainage structures and associated road assets. This will improve immunity to flood events.</p> <p>A major culvert failure required the urgent replacement of two of the seven major cell culverts on Floraville Road. Following identification of potential issues, a condition assessment was undertaken on the remaining assets. This assessment identified that urgent replacement is required for asset sites on Floraville and Truganini Roads due to structural instability. If the project is not undertaken, then the road link connecting Burketown and Normanton (part of the Savannah Way route) will need to be closed and/or detours constructed until replacement can occur.</p>																		
Are documents attached to provide evidence of this need?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																		
What are the proposed outcomes for this project?	<p>The project will improve road safety and resilience to drainage structures and associated road assets to ensure the local community has a safe and robust road network that can withstand predictable flood events. The project will deliver urgent replacement to address structural instability of the following assets:</p> <table border="1"> <thead> <tr> <th>Asset Name</th> <th>Site ID</th> </tr> </thead> <tbody> <tr> <td>Floraville Road</td> <td>2A</td> </tr> <tr> <td>Floraville Road</td> <td>2B</td> </tr> <tr> <td>Floraville Road</td> <td>3</td> </tr> <tr> <td>Floraville Road</td> <td>6</td> </tr> <tr> <td>Floraville Road</td> <td>10</td> </tr> <tr> <td>Floraville Road</td> <td>11</td> </tr> <tr> <td>Floraville Road</td> <td>35</td> </tr> <tr> <td>Truganini Road</td> <td>1</td> </tr> </tbody> </table>	Asset Name	Site ID	Floraville Road	2A	Floraville Road	2B	Floraville Road	3	Floraville Road	6	Floraville Road	10	Floraville Road	11	Floraville Road	35	Truganini Road	1
Asset Name	Site ID																		
Floraville Road	2A																		
Floraville Road	2B																		
Floraville Road	3																		
Floraville Road	6																		
Floraville Road	10																		
Floraville Road	11																		
Floraville Road	35																		
Truganini Road	1																		
What is the proposed delivery timeframe for this project?	Through to 30 June 2023.																		

Part 5B – Financial

What is the estimated cost for this project?	\$3,353,494.19
Will a co-contribution be provided?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, what is the value of the co-contribution?	N/A
If yes, who is providing the co-contribution?	N/A

Part 6B – Community Consultation

Has community consultation been undertaken prior to the submission of this application?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	--

If yes, please provide details of this consultation	Council advises this is a priority project for the community.
Are documents attached to provide evidence of this consultation?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



OFFICIAL // Sensitive

Project Summary and Decision Table

s 47B, s 47C, s 47E(d)

OFFICIAL // Sensitive











Document 7

From: s 47F
To: [National Flood Mitigation Infrastructure Fund](#)
Cc: s 47F @ORA-Intergov-Relations
Subject: HPRM: RE: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]
Date: Thursday, 25 March 2021 1:14:24 PM
Attachments: [image001.png](#)
[image002.png](#)
[NFMIP_Asset_locations_Compressed.pdf](#)

Good afternoon,

Thank you for your email. Responses are provided below

Project	Item requiring clarification	Response
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s 47E(d)



s 47E(d)

Please advise if you have any further questions.

Regards

s 47F



s 47F

General Manager
Resilience

Queensland Reconstruction Authority

P s 47F E s 47F [@qra.qld.gov.au](mailto:s 47F@qra.qld.gov.au)

M s 47F

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From: National Flood Mitigation Infrastructure Fund [mailto:national.flood.mitigation@homeaffairs.gov.au]

Sent: Friday, 19 March 2021 2:44 PM

To: s 47F @qra.qld.gov.au

Cc: s 47F @homeaffairs.gov.au; s 47F @homeaffairs.gov.au

Subject: National Flood Mitigation Infrastructure Program - request for further information on application
[SEC=OFFICIAL]

OFFICIAL

Good afternoon s 47F

Thank you for providing the applications to the National Flood Mitigation Infrastructure Program (NFIMP). We appreciate the significant investment of time and effort that you have already devoted to this process, including any clarification provided following the initial project review process.

The Program Review Panel (the panel) is currently in the process of assessing applications for funding under the NFMIP.

In accordance with clause 6.2.3 of the January 2021 Program Guidelines (attached) the panel is responsible for substantiating claims made in applications. In order to meet their responsibilities and assist the panel to make its recommendations, the panel have requested some further information or clarification in relation to a number of projects.

The specific questions the panel have are listed in the table below:

Project	Item requiring clarification	Response
s 47E(d)		

This opportunity to provide additional information will allow the panel to make robust, evidence based recommendations in accordance with the *Emergency Response Fund Guidelines* and ensure that Department meets its probity responsibilities under clause 6.6 of the attached guidelines.

Please contact s 47F, Director EMA Strategy, (cc'd) should you have any questions or concerns regarding the above.

Thank you for your assistance.

Kind regards,

National Flood Mitigation Infrastructure Program
Emergency Management and Coordination
Department of Home Affairs
national.flood.mitigation@homeaffairs.gov.au

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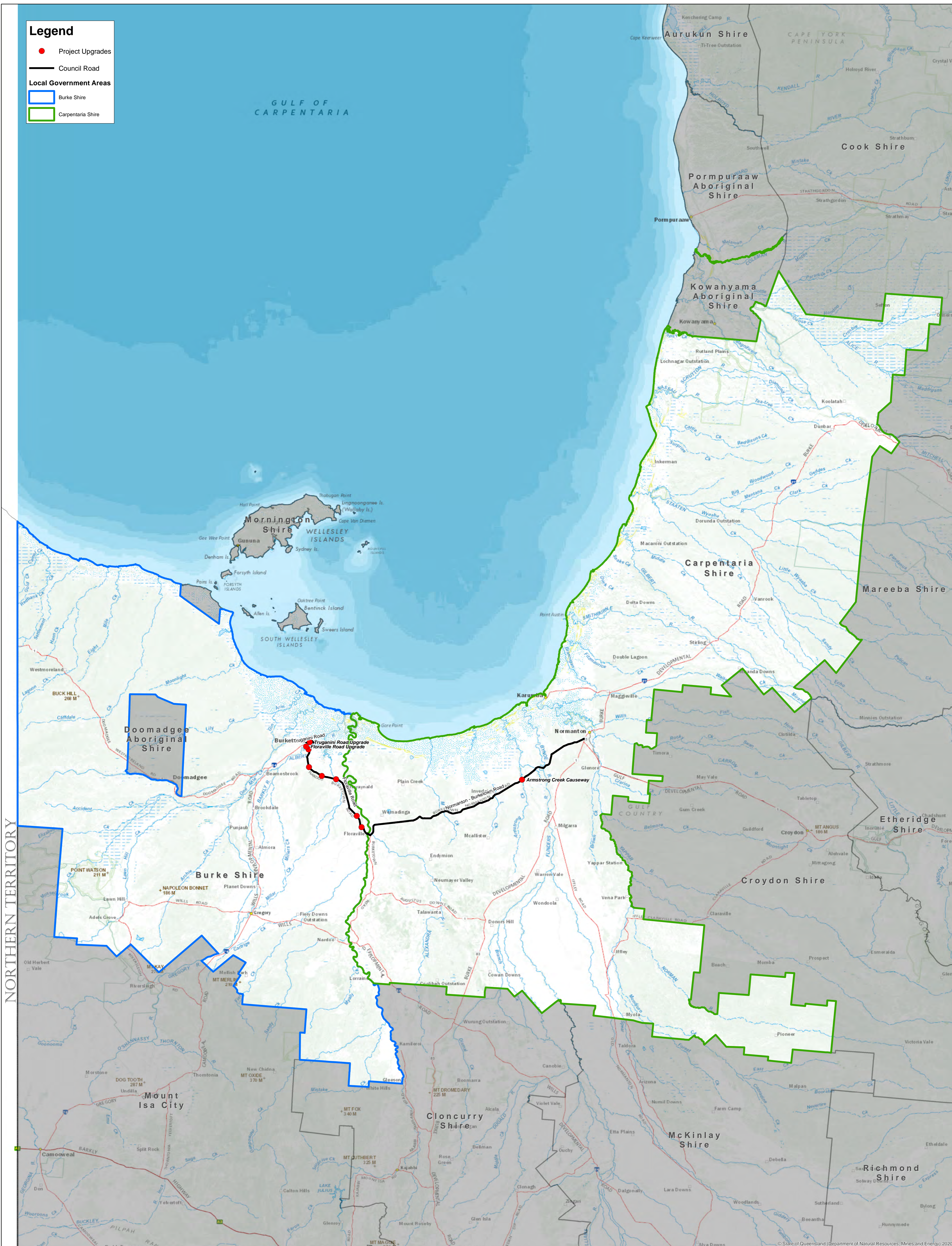
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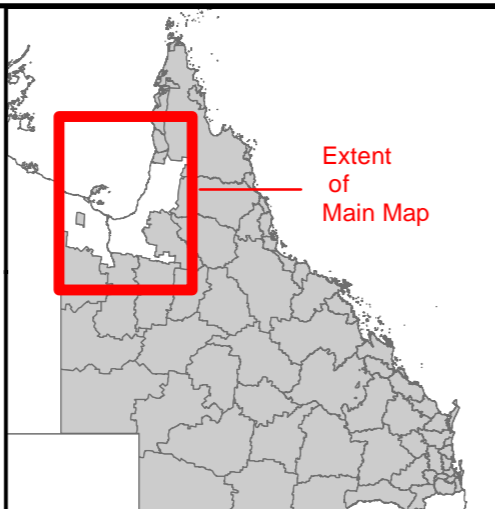
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Legend

- Project Upgrades
- Council Road
- Local Government Areas**
- Burke Shire
- Carpentaria Shire



NORTHERN TERRITORY



MAP INFORMATION

Datum: GCS WGS 1984
WGS 1984

Scale (at A1) - 1:1,000,000

National Flood Mitigation Infrastructure Program
Floraville Road - Truganini Road -
Normanton-Burketown Road

QRA JOB	3566
DATE	25/03/2021
REV	0

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National Flood Mitigation Infrastructure Program

Queensland Applications

Thank you for the opportunity to provide additional information to support Queensland's applications under the National Flood Mitigation Infrastructure Program.

The following elements have been addressed:

1. Prioritisation
2. Consultation (refer Table 1)
3. Purpose and Outcomes (refer Table 1)
4. Other project clarification

1 – Prioritisation

Queensland has prioritised National Flood Mitigation Infrastructure Program projects using the [Queensland Disaster Resilience and Mitigation Investment Framework](#), which recognises national and international disaster risk reduction, mitigation and adaptation approaches, including the Sendai Framework for Disaster Risk Reduction and the National Risk Reduction Framework and relevant implementation materials such as the [Guidance for Strategic Decisions on Climate and Disaster Risk \(Guidance on Prioritisation\)](#).

The key considerations from the Framework are:

- Issue identification
- Alignment to broader government policy
- Cost-benefit analysis
- Evidence base
- Community benefits realisation
- Collaboration
- Innovation.

Below is Queensland's prioritised list:

1. s 47E(d)
2. Flood Warning Infrastructure Network - State-wide roll out
3. Dutton Street Bridge (Palm Creek Crossing), Ingham
4. s 47E(d)
5. Callendar Park Stormwater, Innisfail
6. s 47B, s 47E(d)
7. Adavale Black Road, Quilpie
8. Pioneer River (Fursden Creek) Levee, Mackay
9. Armstrong Creek Causeway, Normanton to Burketown
10. s 47E(d)
11. Up River Road Causeway, Bowen
12. South Mitchell Road and Pormpuraaw Road – Concrete Causeways, Kowanyama
13. Granada Road Seal Extension, Cloncurry
14. Coalbrook Road culverts, Richmond Shire
15. s 47E(d)
16. Kerb and channel to town streets, Palm Island
17. Floraville and Truganini Roads Upgrades, Burketown to Normanton
18. Cullen Point Barge Ramp Rock Wall, Mapoon
19. Burke Development Road
20. Gregory Downs to Camooweal Road, Mount Isa

Background

In 2019, the Queensland Reconstruction Authority (QRA), in consultation with a range of government and industry stakeholders, developed the [Queensland Disaster Resilience and Mitigation Investment Framework](#) (the Framework). The Framework provides guidance on effective investment decision-making and prioritisation to support disaster resilience and mitigation across Queensland.

The Framework embraces the guiding principles of the [Queensland Strategy for Disaster Resilience 2017](#) (QSDR) and enables the four QSDR objectives:

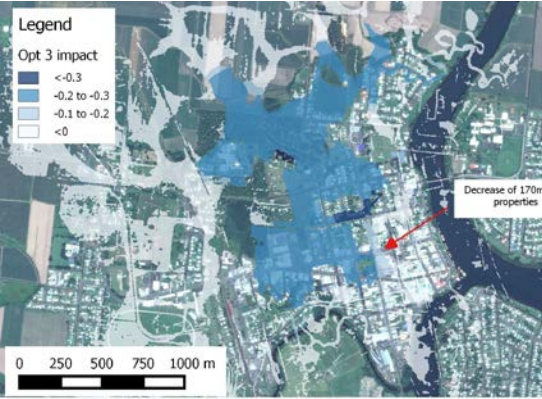
1. Queenslanders understand their disaster risk
2. Strengthened disaster risk management
3. Queenslanders are invested in disaster risk reduction
4. There is continuous improvement in disaster preparedness, response and recovery.

Table 1: Additions for Consultation; and Purpose and Outcomes

Location (LGA) and Project description	Elements for clarification: Consultation; and Purpose and Outcomes	
Project	Consultation (clause 5.5)	Purpose and Outcomes (clause 2.3)
ALL PROJECTS	It is imperative to note that some projects do not lend themselves to community consultation (e.g. culvert upgrades, bitumen seal), however, all projects have been identified as priorities by the relevant council to the Queensland Government, through QRA.	<p>In relation to the below outcome “reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018”, the below information can be applied to all projects:</p> <ul style="list-style-type: none"> Investment in mitigation has proven to reduce risk to the community and reduce reconstruction costs from future events. Mitigation projects have resulted in communities being less vulnerable to flooding events, assets functioning sooner and expenditure under the DRFA reduced for future events. An upfront investment of approximately \$90 million through the Queensland Betterment Fund to assets that have been impacted by subsequent events has seen more than \$145 million in avoided reconstruction costs under the DRFA, as well as improvements to community connectedness, with some assets that previously took months to return to functionality returning as soon as waters receded.

s 47E(d)

Location (LGA) and Project description	Elements for clarification: Consultation; and Purpose and Outcomes	
Project	Consultation (clause 5.5)	Purpose and Outcomes (clause 2.3)
	<p>s 47E(d)</p>	
Cassowary Coast Regional Council	<p>Addition: In January 2018 Cassowary Coast Regional Council received a report compiling a list of priorities for stormwater drainage</p>	<p>Addition: The Callendar Park Stormwater upgrade will result in:</p>

Location (LGA) and Project description	Elements for clarification: Consultation; and Purpose and Outcomes	
Project	Consultation (clause 5.5)	Purpose and Outcomes (clause 2.3)
<p>Callendar Park Stormwater</p>	<p>infrastructure. Council discussed the list of priorities with QRA in July 2020 as part of discussions around making an application to the QRRRF.</p> <p>An application was not made for QRRRF but Council continued discussions with QRA on the priority of Callendar Park and potential funding opportunities. When QRA contacted CCRC about the NFMIP they put forward the Callendar Park project.</p>	<ul style="list-style-type: none"> • a reduction in the impact of future floods on Innisfail, particularly areas around the CBD; • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018; and • ancillary to the above, local job creation. <p>Flood modelling results, obtained from the Innisfail CBD Master Drainage Study (BMT WBM, 2015), indicates that this culvert is an important drainage pathway for flood waters accumulating in areas west of the Innisfail CBD.</p> <p>Replacement of the existing RCBC with 2x3000x1800 RCBCs effectively doubles the waterway area compared to the existing culvert. Figure 1 below shows the change in peak water surface level in a 1% AEP event. This will result in a decrease in levels (up to 170mm) at properties upstream of the culvert, and no identified worsening in any location.</p> <p>Figure</p> 
<p>Hinchinbrook Shire Council</p> <p>Dutton Street Bridge (Palm Creek Crossing)</p>	<p>Addition:</p> <p>In May 2020, Hinchinbrook Shire Council provided QRA with a list of priority projects, including the Dutton Street bridge. Hinchinbrook reconfirmed its commitment to delivering this important project in early 2021.</p> <p>The North-South Solution Feasibility Study was funded under the 2014-2015 Natural</p>	<p>Addition:</p> <p>The Dutton Street Bridge will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Ingham, • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018; and • ancillary to the above, local job creation.

Location (LGA) and Project description	Elements for clarification: Consultation; and Purpose and Outcomes	
Project	Consultation (clause 5.5)	Purpose and Outcomes (clause 2.3)
	<p>Disaster Resilience Program. As part of this study, Hinchinbrook Shire Council undertook extensive consultation with key stakeholders, including community members. The Dutton Street Bridge detailed design project was fully funded by the Queensland Government.</p>	

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<p>Various Councils (Queensland Reconstruction Authority)</p> <p>Flood Warning Infrastructure Network</p>	<p>Letters of support sent with application</p>	<p>Addition: The Flood Warning Infrastructure Network will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on South and South West Queensland flood-prone communities • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018; and • ancillary to the above, local job creation.
<p>Other projects</p>		
<p>Burke Shire Council</p> <p>Floraville and Truganini Roads Upgrades</p>	<p>Addition: Burke Shire Council has previously applied for Betterment following the Monsoon Trough Event for Floraville Road. The Betterment fund was oversubscribed and BSC was unsuccessful. BSC has continued to seek funding to upgrade Floraville and Truganini Roads and when NFMIP was raised with BSC, they proposed this project as a priority.</p>	<p>Addition: The Floraville and Truganini Roads Upgrades will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Burketown and Normanton • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Carpentaria Shire Council</p> <p>Armstrong Creek Causeway</p>	<p>Addition: Carpentaria Shire Council applied for funding for the Armstrong Creek Causeway under the 19/20 QRRRF. The QRRRF was heavily oversubscribed and CSC was unsuccessful. CSC has continued to seek funding for the Armstrong Creek Causeway and when NFMIP was raised with CSC, they proposed this project as a priority.</p>	<p>Addition: The Armstrong Creek Causeway will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Normanton • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Cloncurry Shire Council</p> <p>Granada Road Seal Extension</p>	<p>Addition: Cloncurry Shire Council applied for funding for the Granada Road Seal Extension under the 19/20 QRRRF. The QRRRF was heavily oversubscribed and CSC was unsuccessful. CSC has continued to seek funding for the Granada Road Seal Extension and when NFMIP was raised with CSC, they proposed this project as a priority.</p>	<p>Addition: The Granada Road Seal Extension will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Cloncurry • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
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<p>Kowanyama Aboriginal Shire Council</p> <p>South Mitchell Road and Pormpuraaw Road - Concrete Causeways</p>	<p>Addition: Kowanyama Aboriginal Shire Council has previously applied for Betterment under the Monsoon Trough Event for South Mitchell Road and Pormpuraaw Road - Concrete Causeways.</p> <p>The Betterment fund was oversubscribed and KASC was unsuccessful. KASC has continued to seek funding to upgrade South Mitchell Road and Pormpuraaw Road - Concrete Causeways and when NFMIP was raised with BSC, they proposed this project as a priority.</p>	<p>Addition: The South Mitchell Road and Pormpuraaw Road - Concrete Causeways will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Kowanyama • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Mackay Regional Council</p> <p>Pioneer River (Fursden Creek) Levee</p>	<p>Addition: Final design deliverables were received for the Pioneer River Levee (Valetta Gardens/Rivers Edge reach) being a gap in the levee system protecting North Mackay from river flooding. This project has been a long time in preparation. Two on-site public consultation meetings were held with detailed design outcomes presented at Seagull St and Seaforth.</p>	<p>Recommended addition: The Pioneer River (Fursden Creek) Levee will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on a Mackay • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • addressing relevant household government insurance affordability as a result of the improvement or construction of the flood mitigation infrastructure • ancillary to the above, local job creation. <p>In Queensland, flood mitigation investments in Roma and St George have shown a net benefit of \$64.7 million and \$25.7 million, respectively, over the next 50 years, and have led to insurance premiums in these communities lowered by amounts exceeding 50 per cent, and in some cases 90 per cent (Financial Review, Apr 23, 2017).</p> <p>Bundaberg has suffered significant flood impacts in the past from the Burnett River. The last flood event occurred in 2013 with an insured loss of \$987 million, the majority of which was centered on Bundaberg.</p>

		<p>Flooding is considered relevant in 10,376 building policies in Bundaberg where the median premium is \$1307.</p> <p>Measures to reduce the flood frequency or flood depth for exposed residents would assist to compress premiums. Bundaberg Regional Council (BRC), in concert with the Queensland Government, has developed a comprehensive 10yr Action Plan to reduce flood risk.</p> <p>The plan includes permanent mitigation works to protect targeted areas in the catchment. Removing high flood risks for residents could result in an average premium reduction of \$349 (27%) for those residents (Insurance Council of Australia, Mitigation and Policy-in-Force Analysis, REPORT 20/12/19).</p>
<p>Mapoon Aboriginal Shire Council</p> <p>Cullen Point Barge Ramp Rock Wall</p>	<p>Addition: Mapoon Aboriginal Shire Council has been successful in grant applications for the design and some construction aspects of this project.</p>	<p>Addition: The Cullen Point Barge Ramp upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods Mapoon • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Mareeba Shire and Carpentaria Shire (Department of Transport and Main Roads)</p> <p>Burke Development Road</p>	<p>Addition: As part of its regional road prioritisation, Department of Transport and Main Roads undertakes extensive consultation with key stakeholders, including councils through regional road transport groups.</p>	<p>Recommended addition: The Burke Development Road upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Normanton • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Mount Isa City Council (Department of Transport and Main Roads)</p> <p>Gregory Downs to Camooweal Road</p>	<p>Addition: As part of its regional road prioritisation, Department of Transport and Main Roads undertakes extensive consultation with key stakeholders, including councils through regional road transport groups.</p>	<p>Recommended addition: The Gregory Downs to Camooweal Road upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Camooweal, Mt Isa and Burketown. • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.

<p>Palm Island Aboriginal Shire Council</p> <p>Kerb and channel to town streets</p>	<p>Addition: Palm Island Aboriginal Shire Council notified QRA in January 2021 that this project was a priority.</p>	<p>Recommended addition: The Kerb and channel to town streets upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Palm Island • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018; and • ancillary to the above, local job creation.
<p>Quilpie Shire Council</p> <p>Adavale Black Road</p>	<p>Addition: Quilpie Shire Council notified QRA in January 2021 that works on Adavale Black Road were a priority and was seeking funding to improve mitigation. The road had been damaged and repaired to the existing standard under DRFA (restoration of essential public assets); Quilpie Shire Council was seeking Betterment funding, however, betterment had not been activated for Quilpie.</p>	<p>Recommended addition: The Adavale Black Road upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods Quilpie and Adavale • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Richmond Shire Council</p> <p>Coalbrook Road culverts</p>	<p>Addition: Richmond Regional Council applied for funding for the Coalbrook Road culverts under the 19/20 QRRRF. The QRRRF was heavily oversubscribed and RSC was unsuccessful. RSC has continued to seek funding for the Coalbrook Road culverts and reaffirmed its commitment to this project as a priority in early 2021.</p>	<p>Addition: The Coalbrook Road culverts upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Richmond • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.

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<p>Whitsunday Regional Council</p> <p>Up River Road Causeway</p>	<p>Addition: Whitsunday Regional Council identified this project as a priority project to QRA in early 2021.</p>	<p>Addition: The Up River Road Causeway will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on access to the Bowen Water Treatment Plant; and • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018;
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4 - Other project clarification

Callender Park Stormwater Project. **Does funding request include the replacement of existing tennis court above the culvert being replaced?**

- Yes, the detailed project description identifies the project will “reinstate impacted assets”. The costing has included the reinstatement of the tennis court above the culvert, including retaining wall construction, fill material under the tennis court, the tennis court slab and furniture (fencing and surfacing)

Pioneer river (Fursden Creek) Levee Project. **Does the funding request include the acquisition of land?**

- No, the acquisition of land has been undertaken at the cost of council with two of the three land acquisitions already complete. The third acquisition is underway and will be undertaken at the cost of council.

From: s 47F
To: [National Flood Mitigation Infrastructure Fund](#)
Subject: Queensland Applications for National Flood Mitigation Infrastructure Program - Email 3 of 22 - Hinchinbrook Shire Council - Dutton Street Bridge
Date: Friday, 12 February 2021 3:05:24 PM
Attachments: [image001.png](#)
[image002.png](#)
[NFMIP Application Form - Hinchinbrook Shire Council - Dutton Street Brid...pdf](#)
[Technical Drawings - Hinchinbrook Shire Council - Dutton Street Bridge.pdf](#)

Good afternoon,

Please find attached an application from Queensland for the National Flood Mitigation Infrastructure Program.

Please note that each application will be sent as a separate email.

Regards

s 47F



s 47F

General Manager
Resilience

Queensland Reconstruction Authority

P s 47F E s 47F [@qra.qld.gov.au](mailto:s 47F@qra.qld.gov.au)

M s 47F

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National Flood Mitigation Infrastructure Program

Project Application Form

This project application form is to be completed for each project that seeks funding from the National Flood Mitigation Infrastructure Program.

In order for this application to be considered eligible, all sections must be completed, with the finalised application attached to the Application Covering Sheet, prepared by the relevant state or territory government.

Grey instructional text should be deleted prior to submission.

Part 1B – Application Overview

State/territory	Queensland
Project name	Dutton Street Bridge, Ingham
Will this project be delivered by a third party, such as a commercial service provider or through a local government?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Name of the third party or local government	Hinchinbrook Shire Council
State/Territory Contact officer	s 47F General Manager, Resilience Queensland Reconstruction Authority Email: s 47F @qra.qld.gov.au Phone: s 47F

Part 2B – Project Overview

Will this project result in the construction of a new asset?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, where will this asset be located	Dutton Street, Ingham adjacent to Garbutt Park (between Lot 193 SP118947 and Lot 52 on CWL3093).
Will this project result in the improvement of an existing asset?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, where is this asset located?	N/A
If yes, provide an overview of the works	The construction of this vital bridge over Palm Creek, along Dutton Street, will provide a link between north and south Ingham during flood events. This bridge will enable access to emergency services for the whole area, enable the community to have access to schools and hospitals, and enable continued transportation of local freight.

Part 3B – Existing Infrastructure

Has the asset ever been impacted by a natural disaster?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, provide details of the event	The flooding of Ingham and other townships within the Hinchinbrook Shire is well known and documented. Between 1995 and 2018, there were at least 13 notable flood events within the Hinchinbrook region, including severe impacts during ex-tropical cyclone Oswald in 2013. This equates to a flood disruption every two years on average. In 2018, Palm Creek was flooded twice, cutting access between the two halves of Ingham (first event – 8-12 March; second event - following Tropical Cyclone Nora rain event 28-29 March). There are historical records and many media articles that show the extent of flooding to the region and townships within the

	Hinchinbrook Shire. The recent, increasing regularity and severity of flood events within the region has raised concerns among community members and Hinchinbrook Shire Council.
Has financial assistance, such as that available under the Disaster Recovery Funding Arrangements, ever been received for this asset?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please provide details	<p>Following the flood events within the Hinchinbrook region as a result of ex-Tropical Cyclone Oswald in January 2013, the Council sought and received funding through the 2014-15 Natural Disaster Resilience Program to undertake planning works and determine strategies that would mitigate the impact and frequency of flood events in Ingham. This funding enabled the commissioning of the North-South Solution Feasibility Study which investigated a broad range of options for improving connectivity across Palm Creek within Ingham during flood events. Following this, the Dutton Street Bridge detailed design project was then fully funded by the former Queensland Department of State Development, Manufacturing, Infrastructure and Planning (DSDMIP) under the Maturing the Infrastructure Pipeline Program 2. Extensive project documentation is complete: Options Analysis Environmental Considerations; Preliminary Review of Cultural Heritage Matters; Interpretive Geotechnical Report; Flood Hydraulic Report; Street Light Installation; Design Report; Bill of Quantities; Specification; Plans; Landscape Specification; and Photographic Plan.</p>
Has financial assistance previously been, or is currently being, provided through Commonwealth, state/territory or other initiatives to support this asset?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Part 4B – Detailed project overview

Detailed project description	The project will construct a bridge along Dutton Street Ingham that will link the north and south of the town in flood events of up to a 1 in 50 year flood event.
Why is this project required?	The construction of a bridge along Dutton Street will ensure the continued access between the northern and southern parts of Ingham township in the event of a serious flood. This critical link will ensure that the entire township is accessible by fire, police and ambulance services, and that hospital facilities remain accessible to the public in the event of a flood. The link will also provide accessibility for SES and Council to be able to continue duties across the entire township. In the event of the closure of the Bruce Highway through Ingham due impassable flood waters, traffic can detour through the town and across the proposed Dutton Street Bridge. The bridge will also facilitate continued local freight movement throughout a flood event to ensure the continuation of goods transport. The local community will have continued access to schools, churches and essential services.
Are documents attached to provide evidence of this need?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What are the proposed outcomes for this project?	The construction of a bridge along Dutton Street will ensure the continued access between the northern and southern parts of Ingham township in the event of a serious flood, as described above. Lowering the impact isolation caused by flooding will result in additional benefits that would allow for more secure investments in the town of Ingham from both consumers and freight accessibility. Also, during the construction phase of the Dutton Street Bridge some job creation will be introduced to the Ingham township.
What is the proposed delivery timeframe for this project?	Through to 30 June 2023.

Part 5B – Financial

What is the estimated cost for this project?	\$8,834,263.20
Will a co-contribution be provided?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, what is the value of the co-contribution?	N/A
If yes, who is providing the co-contribution?	N/A

Part 6B – Community Consultation

Has community consultation been undertaken prior to the submission of this application?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please provide details of this consultation	Community consultation was undertaken during the development of the North South Solution Feasibility Study, which highlighted 37 options to lower the risks associated with Palm Creek flooding. Through comprehensive flood modelling, community consultation, cost estimations and assessment of the benefits to the community, the construction of the Dutton Street bridge was identified as one of the four preferred options to address flooding impacts. The

Queensland Department of Transport and Main Roads was consulted during the detailed design phase of the project.

Are documents attached to provide evidence of this consultation?

- Yes
- No



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HINCHINBROOK SHIRE COUNCIL

PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM



LOCALITY PLAN
 NOT TO SCALE

SCHEDULE OF DRAWINGS

DRAWING No.	DESCRIPTION	REV.
9671-134-CI-1000	COVER, DRAWING INDEX AND LOCALITY PLAN	1
9671-134-CI-1001	GENERAL NOTES	1
9671-134-CI-1002	SAFETY IN DESIGN MATRIX	1
9671-134-CI-1003	EXISTING FEATURES AND SURVEY CONTROL PLAN	1
9671-134-CI-1004	CONTROL LINE GEOMETRY LAYOUT PLAN	1
9671-134-CI-1005	CONTROL LINE GEOMETRY AND SETOUT TABLES	1
9671-134-CI-1006	EARTHWORKS GRADING LAYOUT PLAN	1
9671-134-CI-1007	EROSION AND SEDIMENT CONTROL LAYOUT PLAN	1
9671-134-CI-1008	EROSION AND SEDIMENT CONTROL DETAILS	1
9671-134-CI-1009	ROADWORKS AND DRAINAGE LAYOUT PLAN	1
9671-134-CI-1010	ROADWORKS LONGITUDINAL AND TYPE SECTIONS DUTTON STREET	1
9671-134-CI-1011	ROADWORKS CROSS SECTIONS DUTTON STREET SHEET 1 OF 2	1
9671-134-CI-1012	ROADWORKS CROSS SECTIONS DUTTON STREET SHEET 2 OF 2	1
9671-134-CI-1013	MISCELLANEOUS DETAILS AND CONCRETE NOTES	1
9671-134-CI-1014	INTERSECTION DETAILS	1
9671-134-CI-1015	PATHWAY LONGITUDINAL SECTIONS AND LAYOUT PLAN	1
9671-134-CI-1016	CULVERT SCHEDULE AND LAYOUT PLAN	1
9671-134-CI-1017	DRIVEWAY ACCESS LAYOUT PLAN AND DETAILS	1
9671-134-CI-1018	WATER AND SEWERAGE LAYOUT PLAN AND DETAILS	1

GENERAL NOTES:

- G1. IF IN DOUBT ASK;
- G2. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND ALL INFORMATION ISSUED BY THE SUPERINTENDENT DURING THE COURSE OF THE CONTRACT;
- G3. ALL LEVELS ARE TO AHD;
- G4. ALL DIMENSIONS WITHIN THIS DRAWING SET ARE IN METRES UNLESS SHOWN OTHERWISE;
- G5. DRAWINGS SHALL NOT BE SCALED;
- G6. ALL DIMENSIONS RELEVANT TO SETTING OUT, SURFACE LEVELS AND INVERT LEVELS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE SUPERINTENDENT;
- G7. THE CONTRACTOR SHALL ENSURE THAT ALL WORKS ARE MAINTAINED IN A SAFE AND STABLE CONDITION AND THAT ADEQUATE PROTECTION AGAINST EROSION AND SILTATION IS IN PLACE;
- G8. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT AUSTRALIAN STANDARDS AND THE REQUIREMENTS OF HINCHINBROOK SHIRE COUNCIL;
- G9. GRADE EVENLY BETWEEN LEVELS SHOWN EXCEPT WHERE LEVELS INDICATE VERTICAL CURVES;
- G10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION PROTECTION AND SEDIMENT CONTROL FOR THE WORKS AS SPECIFIED AND TO THE SATISFACTION OF HINCHINBROOK SHIRE COUNCIL;
- G11. THE CONTRACTOR IS TO INSPECT THE SITE AND MAKE THEIR OWN ASSESSMENT OF THE GROUND CONDITIONS. NO VARIATION WILL BE APPROVED FOR INCORRECT ASSUMPTION ON THE PART OF THE CONTRACTOR AS TO DIFFERING GROUND CONDITIONS TO THOSE SHOWN IN THE CONTRACT DOCUMENTS;
- G12. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING SERVICES WITH THE RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION AND TAKE ALL MEASURES TO PROTECT THESE SERVICES DURING CONSTRUCTION OF THE WORKS. ANY COSTS ASSOCIATED WITH REPAIRING DAMAGE TO EXISTING SERVICES SHALL BE PAID FOR BY THE CONTRACTOR;
- G13. THE CONTRACTOR'S TRAFFIC MANAGEMENT PLAN (TMP) AND EROSION AND SEDIMENT CONTROL PLAN (ESCP) SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF WORKS;
- G14. ALL MATERIALS SHALL BE TRANSPORTED ONLY ON ROUTES APPROVED BY COUNCIL AND THE SUPERINTENDENT;
- G15. LEVELS FOR CONNECTION TO EXISTING WORKS MAY BE VARIED WHERE NECESSARY ON SITE TO ACHIEVE A SATISFACTORY SMOOTH FINISH TO THE EXISTING WORKS. THE SUPERINTENDENT SHALL BE NOTIFIED OF ANY LEVEL VARIATION TO THAT SHOWN ON THE DRAWINGS PRIOR TO CONSTRUCTION;
- G16. THE CONTRACTOR SHALL ENSURE THAT THE SITE IS FREE DRAINING AT ALL TIMES. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF ALL WORKS AND SURFACES FOR THE DURATION OF THE CONTRACT, AND WILL BE REQUIRED TO UNDERTAKE REMEDIAL WORKS TO ANY WORKS OR SURFACES DAMAGED DURING CONSTRUCTION AS DEEMED NECESSARY BY THE SUPERINTENDENT;
- G17. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EXISTING DRAINAGE SYSTEM IN THE VICINITY OF THE SITE AND ENSURING NO MATERIAL FROM THE SITE ENTERS THIS SYSTEM;
- G18. METHOD OF DISPOSAL OF ALL WASTE MATERIALS SHALL BE NOTIFIED TO THE SUPERINTENDENT PRIOR TO DISPOSAL AND / OR REMOVAL FROM SITE;
- G19. ALL DEBRIS, RUBBISH AND UNSUITABLE MATERIAL IS TO BE REMOVED AND DISPOSED OF OFF SITE;
- G20. ON COMPLETION OF THE WORKS THE CONTRACTOR SHALL CLEAN UP THE SITE TO THE SATISFACTION OF THE SUPERINTENDENT;

WATER

- W1 CONTRACTOR SHALL ADVISE HINCHINBROOK SHIRE COUNCIL PRIOR TO UNDERTAKING ANY SEWERAGE AND WATER RELATED WORK.
- W2 COMPLY WITH FNQROC - STANDARD DRAWINGS.
- W3 CONNECTION TO EXISTING MAINS TO BE CARRIED OUT BY COUNCIL AT THE CONTRACTOR'S EXPENSE.
- W4 BEDDING AND SURROUND TO PIPES AND FITTINGS SHALL BE IN IN ACCORDANCE WITH FNQROC STANDARD DRAWING S2016

EARTHWORKS NOTES:

- E1. DRY DENSITY RATIO AS REFERRED TO IN THESE NOTES IS THE RATIO DETERMINED IN ACCORDANCE WITH AS1289.5.4.1 OF COMPACTED DRY DENSITY IN ACCORDANCE WITH AS1289.5.3.1 OR AS1289.5.8.1 TO THE STANDARD MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH AS1259.5.1.11 (STANDARD COMPACTION);
- E2. STRIP ALL VEGETAL MATTER, TOPSOIL AND OTHER UNSUITABLE MATERIAL FROM AREAS TO BE EXCAVATED OR FILLED. STOCKPILE SUITABLE TOPSOIL MATERIAL IN APPROVED LOCATIONS FOR SUBSEQUENT RE-USE.;
- E3. EXCAVATE AS REQUIRED AND DEPOSIT EXCAVATED MATERIAL AS NECESSARY. COMPACT SURFACES EXPOSED BY STRIPPING OR EXCAVATION TO 98% DRY DENSITY RATIO TO A DEPTH OF AT LEAST 250mm, SHOULD ANY SOFT OR UNSUITABLE MATERIAL BE IDENTIFIED SEEK THE ADVICE OF THE SUPERINTENDENT;
- E4. COMPACT FILL TO 98% DRY DENSITY RATIO IN LAYERS OF THICKNESS APPROPRIATE TO THE COMPACTION PLANT EMPLOYED BUT NOT EXCEEDING 200mm. PROVIDE COMPACTION RESULTS IN ACCORDANCE WITH AS.3798 PRIOR TO COUNCIL ACCEPTANCE INSPECTION;
- E5. ALL MATERIALS WITHIN 300mm BELOW ROAD PAVEMENT/SUBGRADE INTERFACE SHALL BE COMPACTED TO 98% DRY DENSITY RATIO.
- E6. SUBGRADE TO ALL CULVERT BASE SLABS TO ACHIEVE A MINIMUM OF 150kPa BEARING CAPACITY. TO BE CONFIRMED BY THE CONTRACTORS GEOTECHNICAL REPRESENTATIVE PRIOR TO PLACEMENT OF CONCRETE.

ROADWORKS NOTES:

- R1. PAVEMENT DESIGN IS BASED ON AN ASSUMED SUBGRADE CBR OF 10 AND IS SUBJECT TO REVISION ON THE BASIS OF CONFIRMATORY CBR TESTS OF THE SUBGRADE AT TIME OF CONSTRUCTION. THE CONTRACTOR SHALL CAUSE TO BE PROVIDED TO THE SUPERINTENDENT AS SOON AS POSSIBLE 1 No. CONFIRMATORY SUBGRADE SOAKED CBR TESTING LOCATIONS TO BE AGREED WITH THE SUPERINTENDANT;
- R2. EXCAVATE OR FILL AS NECESSARY TO PAVEMENT/SUBGRADE INTERFACE AS DESCRIBED IN THE SPECIFICATION AND EARTHWORKS NOTES;
- R3. PRIOR TO PLACING ROAD PAVEMENT MATERIAL THE SUBGRADE SHALL BE TESTED AND PROOF ROLLED IN THE PRESENCE OF THE SUPERINTENDENT AND COUNCIL'S INSPECTING OFFICER.
- R4. PAVEMENT DESIGN SHALL BE AS SHOWN ON DRAWINGS;
- R5. SUBBASE MATERIAL SHALL BE TYPE 2 SUBTYPE 2.3, UNBOUND PAVEMENT MATERIAL WITH GRADING B,C OR D AND MINIMUM SOAKED CBR OF 45 AT 98% DRY DENSITY RATIO AND OTHER QUALITIES AS SPECIFIED, COMPACTED TO 100% DRY DENSITY RATIO. SUBBASE MATERIAL SHALL EXTEND UNDER THE KERB AND CHANNEL TO 200mm PAST THE BACK OF THE KERB AND CHANNEL.;
- R6. BASE COURSE MATERIAL SHALL BE TYPE 2 SUBTYPE 2.1, UNBOUND PAVEMENT MATERIAL WITH GRADING B OR C AND MINIMUM SOAKED CBR OF 80 AT 98% DRY DENSITY RATIO AND OTHER QUALITIES AS SPECIFIED, COMPACTED TO 100% DRY DENSITY RATIO;
- R7. PRIME AND SEAL WITH 30mm MINIMUM THICK LAYER OF DENSE GRADED (DG10) ASPHALTIC CONCRETE AS SPECIFIED.;
- R8. GUARDRAIL TO BE OF THRIE BEAM TYPE AND INSTALLED IN ACCORDANCE WITH DTMR STANDARD DRG.s 1474, 1477, 1482 AND 1490 AS APPROPRIATE.
- R9. NEATLY JOIN NEW ROADWORKS TO EXISTING WORKS. CUT EXISTING PAVEMENT TO PROVIDE NEAT JOINT AS NECESSARY.

SEWERAGE

- S1 CONTRACTOR SHALL ADVISE HINCHINBROOK SHIRE COUNCIL PRIOR TO UNDERTAKING ANY SEWERAGE AND WATER RELATED WORK.
- S2 COMPLY WITH FNQROC - STANDARD DRAWINGS.
- S3 CONNECTION TO EXISTING MAINS TO BE CARRIED OUT BY COUNCIL AT THE CONTRACTOR'S EXPENSE.
- S4 BEDDING AND SURROUND TO PIPES AND FITTINGS SHALL BE IN IN ACCORDANCE WITH FNQROC STANDARD DRAWING S2016

DRAINAGE NOTES:

- D1. CULVERT BASE SLAB, HEADWALLS, WINGWALLS AND APRON TO BE CONSTRUCTED IN ACCORDANCE WITH DTMR STANDARD DRAWING 1250;
- D2. INSTALLATION AND BACKFILLING OF CULVERTS TO BE IN ACCORDANCE WITH DTMR STANDARD DRAWING 1250 AND 1359;
- D3. GEOFABRIC AND RENO-MATRESSES (AS SPECIFIED) ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
- D4. STORMWATER PIPES TO BE INSTALLED TO HS2 TRENCH STANDARDS IN ACCORDANCE WITH DTMR STANDARD DRG. 1359.
- D7. CULVERT SETOUT IS BASED ON CROWN UNIT EXTERNAL DIMENSIONS DETAILED IN THE FOLLOWING TABLE. THE CONTRACTOR IS TO CONFIRM UNIT DIMENSIONS AND SETOUT PRIOR TO CONSTRUCTION OF THE BASE SLAB.

ADOPTED CULVERT DIMENSIONS		
CULVERT SIZE	OVERALL EXTERNAL HEIGHT (mm)	OVERALL EXTERNAL WIDTH (mm)
3600x1500	1785	3924
3600x1800	2080	3948
3600x2100	2380	3948
3600x2400	2690	3968
3600x2700	3010	3996
3600x3000	3300	4098

EROSIONS AND SEDIMENT CONTROL NOTES:

- EC1. EROSION CONTROL MEASURES SHALL BE CARRIED OUT AS PER PLAN AND/OR AS DIRECTED BY THE SUPERINTENDENT.
- EC2. THE CONTRACTOR SHALL MAKE THEM SELVES AWARE OF ALL THEIR REQUIREMENTS AND RESPONSIBILITIES UNDER THE ENVIRONMENT PROTECTION ACT.
- EC3. ALL DISTURBED AREAS SHALL BE TOPSOILED WHERE PRACTICAL AFTER EARTHWORKS ARE COMPLETED AND HYDROMULCHED OR AS DIRECTED BY THE SUPERINTENDENT.
- EC4. ALL CUT & FILL AREAS SHALL HAVE SURFACE ROUGHENING GROVES 25mm DEEP SPACED 250mm APART CUT ALONG THE CONTOURS.
- EC5. ALL AREAS THAT DON'T REQUIRE CUT OR FILL SHALL BE LEFT UNDISTURBED.
- EC6. ALL EROSION & SEDIMENT CONTROLS SHALL BE MAINTAINED TO THE SATISFACTION OF THE SUPERINTENDENT UNTIL THE END OF THE MAINTENANCE PERIOD.
- EC7. CONSTRUCT SILT FENCE MINIMUM 2.0m OFFSET FROM THE TOE OF BATTER.
- EC8. EXTENT OF WORKS MAY BE VARIED BY SUPERINTENDENT TO SUIT SITE CONDITIONS.
- EC9. RENO MATRESSES TO BE INSTALLED AND FILLED TO MANUFACTURER SPECIFICATIONS.

TELECOMMUNICATIONS SERVICE PROVIDERS

'yes' OPTUS Telstra visionstream

NOTE: SERVICE LOCATIONS ARE APPROXIMATE ONLY FROM PROVIDERS PLANS. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION. PHONE DBYD SERVICE LOCATIONS ON 1100 FOR DETAILS.

SERVICE LOCATIONS

It is the responsibility of the Foreman to contact the relevant service authorities to ascertain the exact location of services prior to construction.

ENERGY SERVICE PROVIDERS

AGL origin ERGON ENERGY energex

NOTE: SERVICE LOCATIONS ARE APPROXIMATE ONLY FROM PROVIDERS PLANS. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION. PHONE DBYD SERVICE LOCATIONS ON 1100 FOR DETAILS.

DIAL BEFORE YOU DIG

www.1100.com.au

SAFETY IN CONSTRUCTION

CONSTRUCTION ACTIVITY CAN BE HAZARDOUS. POTENTIAL SAFETY HAZARDS CONSIDERED BY THE DESIGNERS TO HAVE A HIGHER RISK THAN NORMAL CONSTRUCTION ACTIVITY ARE IDENTIFIED WITH APPROPRIATE NOTES ON THESE DRAWINGS. IT SHOULD BE NOTED THAT DESIGNERS HAVE A LOWER UNDERSTANDING OF THE RISKS INVOLVED IN CONSTRUCTION COMPARED WITH THAT OF A COMPETENT CONTRACTOR. IT IS THEREFORE ESSENTIAL THAT AN ADEQUATE SAFETY PLAN FOR THE WORKS IS PREPARED BY THE CONTRACTOR. SAFETY PLANS ARE TO BE PREPARED IN COMPLIANCE WITH THE STATUTORY REQUIREMENTS. THE DESIGNERS MAY NOT BE AWARE OF ALL SAFETY RISKS AND HAZARDS INVOLVED IN THIS PROJECT AND THE ABSENCE OF COMMENT DOES NOT IMPLY THAT THERE ARE ONLY LOW LEVEL RISKS OF HAZARDS INVOLVED IN THE PROJECT. APPROPRIATE WORK METHOD STATEMENTS ARE TO BE PREPARED FOR ANY HIGH RISK ACTIVITY BY THE CONTRACTOR. THE DESIGNERS ARE AVAILABLE TO BE CONSULTED WHEN REQUIRED CONCERNING THEIR AREA OF CONTROL WITH REGARD TO SAFETY PLANS.

Rev.	Date	Description	Des.	Verif.	Appd.
2	01.09.2020	FOR CONSTRUCTION			s 47F
1	19.06.2020	ISSUED FOR CLIENT APPROVAL			

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Designed	s 47F	Date	19.06.2020
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Approved	RPEQ, 10801	Date	19.06.2020

Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	GENERAL NOTES

Status	FOR CONSTRUCTION			
Datum	AHD	GRID	Scale	AS SHOWN
Drawing Number	9671-134-CI-1001			Revision
				A1
				2

LEGEND

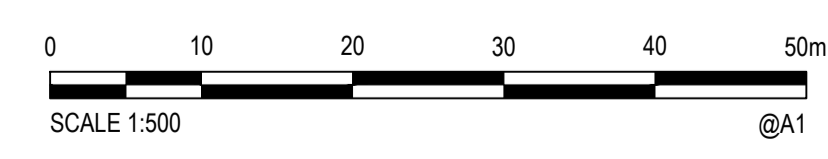
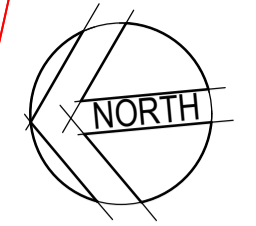
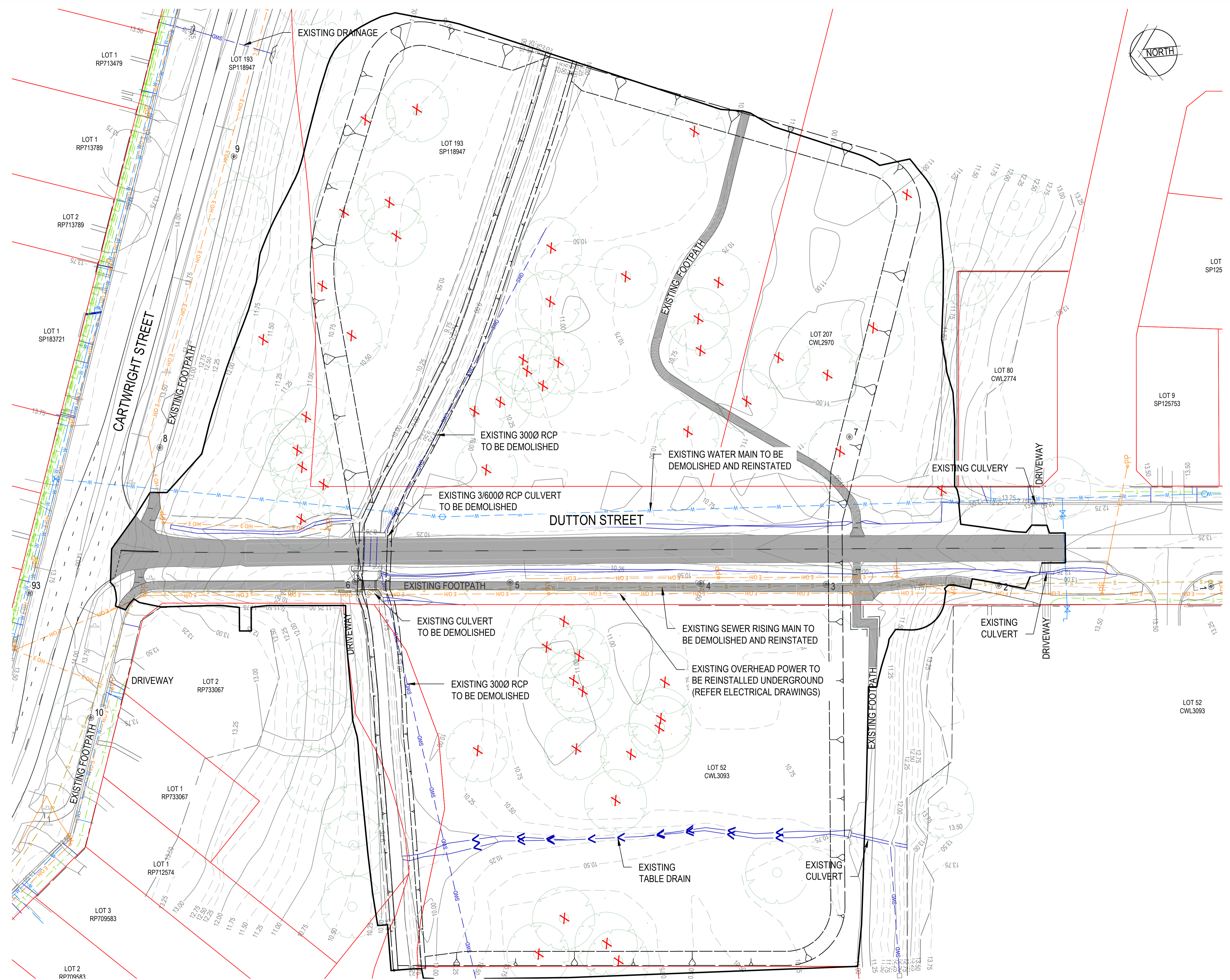
- 10.0 EXISTING CONTOURS
- PROPERTY BOUNDARY
- EXISTING WATERMAIN
- EXISTING WATER VALVE
- EXISTING WATER HYDRANT
- EXISTING SEWER
- EXISTING STORMWATER
- EXISTING ROOFWATER
- EXISTING TABLE DRAIN
- EXISTING TELECOMMUNICATION
- EXISTING UNDERGROUND ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING POWER POLE
- EXISTING FENCE
- EXISTING VEGETATION
- EXISTING VEGETATION TO BE REMOVED
- EXISTING SIGNAGE
- SURVEY STATION MARK
- EXISTING FOOTPATH TO BE RECONSTRUCTED
- EXISTING ROAD TO BE RECONSTRUCTED

SURVEY SETOUT

STN	EASTING	NORTHING	ELEVATION	DESCRIPTION
1	411975.3540	7937437.1440	13.294	Screw in Conc. Path
2	411980.6690	7937490.9570	12.879	Screw in Conc. Path
3	411984.9890	7937534.7020	10.938	Screw in Conc. Path
4	411988.1300	7937566.4980	10.770	Screw in Conc. Path
5	411992.9060	7937614.8520	10.426	Screw in Conc. Path
6	411996.7790	7937654.0710	10.075	Screw in Conc. Path
7	412021.8450	7937525.3340	11.362	Peg
8	412035.4190	7937700.5050	13.150	Nail in Bitumen Path
9	412107.4970	7937674.8230	13.636	Nail in Bitumen Path
10	411968.5370	7937724.3550	13.712	Nail in Bitumen Path
11	411902.2200	7937778.3020	13.426	Nail in Bitumen
93	412001.6050	7937737.0070	13.598	PM8392
100	411990.2090	7937359.6020	12.646	PM8399
172	411845.6760	7937836.2830	13.268	PM16450
1948	411947.1430	7937756.3830	13.456	PM1948

SURVEY INFORMATION

COUNCIL: HINCHINBROOK SHIRE COUNCIL
 LOCALITY: INGHAM
 COORDINATE POINT OF ORIGIN: PM8399, ING100,
 E 411990.209 N 7937359.602 - MGA-94 ZONE 55
 AZIMUTH DATUM: MGA-94
 LEVEL DATUM: PM8399, ING100, RL= 12.646 AHD
 DERIVED.



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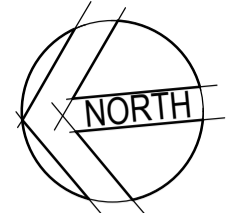
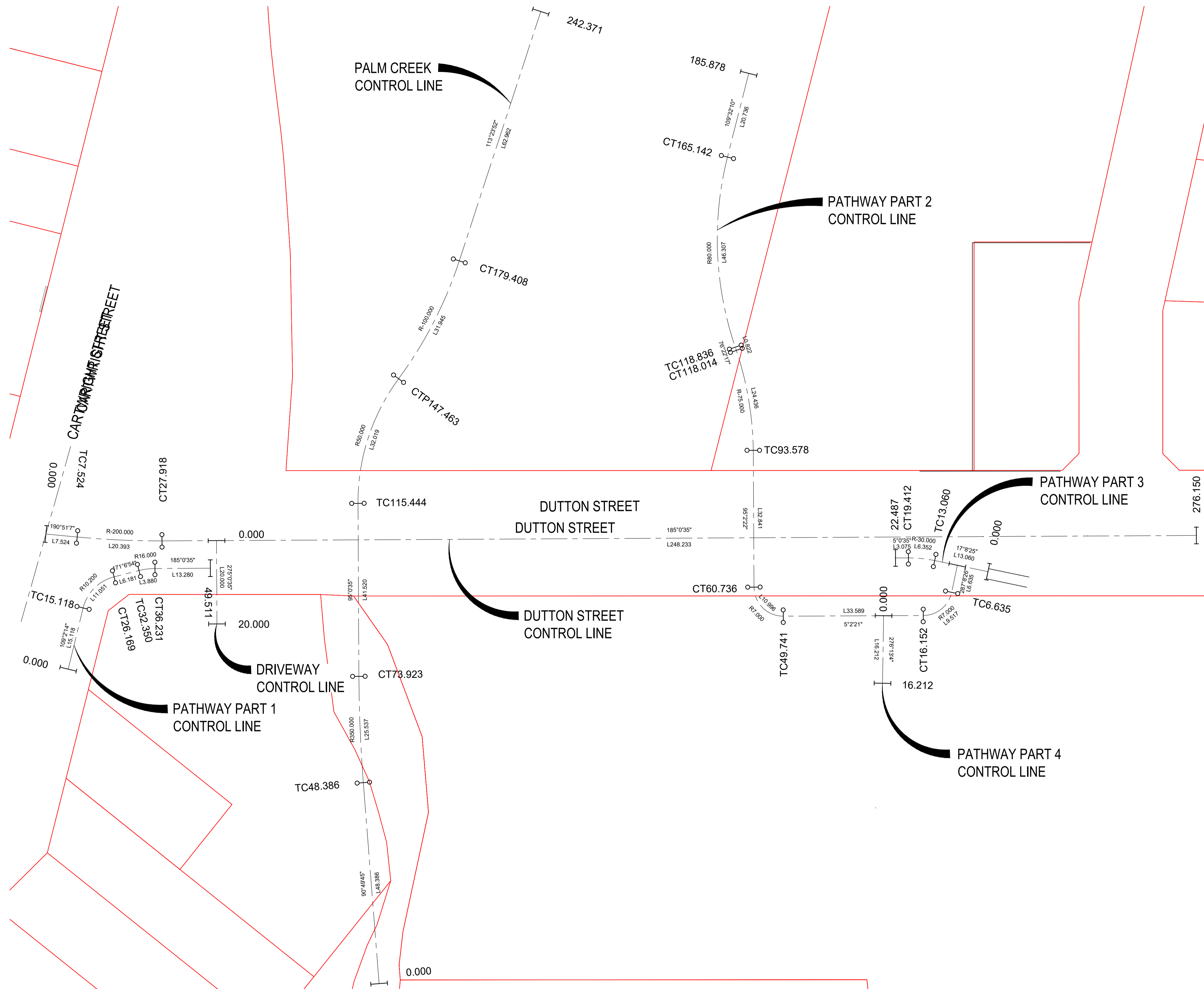
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Approved	RPEQ, 10801	Date	19.06.2020

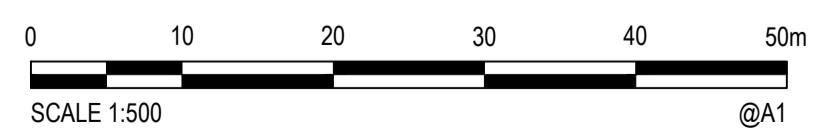
Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	EXISTING FEATURES AND SURVEY CONTROL PLAN

Status	FOR CONSTRUCTION			
Datum	AHD	GRID	Scale	AS SHOWN
Drawing Number	9671-134-CI-1003			Revision
				A1
				2

Rev.	Date	Description	Des.	Verif.	Appd.
2	01.09.2020	FOR CONSTRUCTION			s 47F
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LAYOUT PLAN
SCALE 1:500



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Approved	RPEQ, 10801	Date	19.06.2020

Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	CONTROL LINE GEOMETRY LAYOUT PLAN

Status				FOR CONSTRUCTION	
Datum	GRID	Scale	Size		
AHD		AS SHOWN	A1		
Drawing Number			Revision		
9671-134-CI-1004			2		

Rev.	Date	Description	Des.	Verif.	Appd.
2	01.09.2020	FOR CONSTRUCTION			s 47F
1	19.06.2020	ISSUED FOR CLIENT APPROVAL			

DATE PLOTTED: 1 September 2020 3:59 PM BY: LAOHLAN LINDY

DUTTON STREET HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	412012.190	7937722.009	14.035	190°51'06.92"			
TC	7.524	412010.774	7937714.619	13.585	190°51'06.92"			
IP 2	17.721	412008.852	7937704.596	12.799		R = -200.000	20.393	5°50'32.29"
CT	27.918	412007.961	7937694.429	12.759	185°00'34.63"			
IP 3	276.150	411986.285	7937447.145	13.267	185°00'34.63"			

DRIVEWAY HORIZONTAL POINTS					
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	412006.819	7937681.397	12.759	275°00'34.63"
IP 2	20.000	411986.895	7937683.144	12.796	275°00'34.63"

PALM CREEK HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	411897.325	7937652.389	9.167	90°49'44.92"			
TC	48.386	411945.707	7937651.689	9.113	90°49'44.92"			
IP 2	61.155	411958.479	7937651.504	9.099		R = 350.000	25.537	4°10'49.71"
CT	73.923	411971.205	7937650.389	9.085	95°00'34.63"			
TC	115.444	412012.566	7937646.763	8.965	95°00'34.63"			
IP 3	131.453	412029.083	7937645.315	8.947		R = 50.000	32.019	36°41'29.13"
CC	147.463	412041.462	7937634.285	8.929	131°42'03.76"			
IP 4	163.436	412053.491	7937623.568	8.911		R = -100.000	31.945	18°18'12.25"
CT	179.408	412068.276	7937617.171	8.893	113°23'51.51"			
IP 5	242.371	412126.061	7937592.168	8.822	113°23'51.51"			

PATHWAY PART 1 HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	411979.388	7937719.692	13.506	109°02'14.45"			
TC	15.118	411993.679	7937714.761	13.051	109°02'14.45"			
IP 2	20.644	411999.482	7937712.759	12.759		R = 10.200	11.051	62°04'39.77"
CT	26.169	412000.430	7937706.694	12.331	171°06'54.22"			
TC	32.350	412001.384	7937700.587	12.057	171°06'54.22"			
IP 3	34.290	412001.686	7937698.661	12.113		R = 16.000	3.880	13°53'40.41"
CT	36.231	412001.515	7937696.719	12.170	185°00'34.63"			
IP 4	49.511	412000.356	7937683.490	12.563	185°00'34.63"			

PATHWAY PART 2 HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	411984.466	7937504.927	12.296	287°08'25.65"			
TC	6.635	411978.126	7937506.883	12.024	287°08'25.65"			
IP 2	11.393	411972.719	7937508.550	11.605		R = 7.000	9.517	77°53'55.73"
CT	16.152	411973.216	7937514.187	11.180	5°02'21.38"			
TC	49.741	411976.167	7937547.646	9.958	5°02'21.38"			
IP 3	55.239	411976.781	7937554.619	9.791		R = 7.000	10.996	90°00'00.36"
CT	60.736	411983.754	7937554.004	9.679	95°02'21.74"			
TC	93.578	412016.469	7937551.119	9.538	95°02'21.74"			
IP 4	105.796	412028.748	7937550.036	9.501		R = -75.000	24.436	18°40'04.47"
CT	118.014	412040.729	7937552.941	9.464	76°22'17.27"			
TC	118.836	412041.527	7937553.135	9.461	76°22'17.27"			
IP 5	141.989	412064.679	7937558.748	9.391		R = 80.000	46.307	33°09'53.07"
CT	165.142	412087.129	7937550.781	9.321	109°32'10.34"			
IP 6	185.878	412106.671	7937543.847	9.258	109°32'10.34"			

PATHWAY PART 3 HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	411982.255	7937497.757	12.366	17°08'25.09"			
TC	13.060	411986.104	7937510.237	12.459	17°08'25.09"			
IP 2	16.236	411987.043	7937513.283	12.552		R = -30.000	6.352	12°07'50.53"
CT	19.412	411987.321	7937516.459	12.621	5°00'34.56"			
IP 3	22.487	411987.590	7937519.522		5°00'34.56"			

PATHWAY PART 4 HORIZONTAL POINTS				
PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	411974.052	7937523.664	276°13'03.69"
IP 2	16.212	411957.935	7937525.420	276°13'03.69"

XREFS: XR-9671134-CI-SURVEY; XR-9671134-CI-DSN-ROAD; XR-9671134-CI-DOB; XR-9671134-CI-CL; CH
CAD File: \AUTOCAD\PROJECTS\TOWNSVILLE OFFICE\9600\9671\9671-134 - HSC Palm Creek Bridge\3 - Project Delivery\Design\CAD\DWG WFH Drawings\Drawings\9671-134-CI-1005.dwg

Rev.	Date	Description	Des.	Verif.	Appd.
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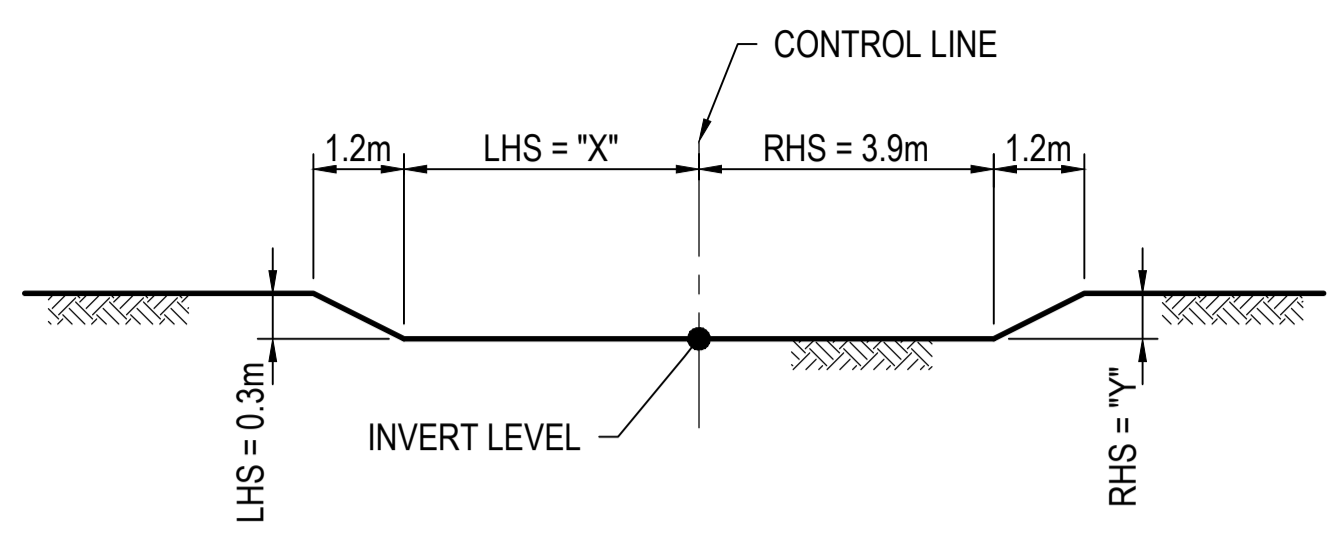
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Approved	RPEQ, 10801	Date	19.06.2020

Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	CONTROL LINE GEOMETRY AND SETOUT TABLES

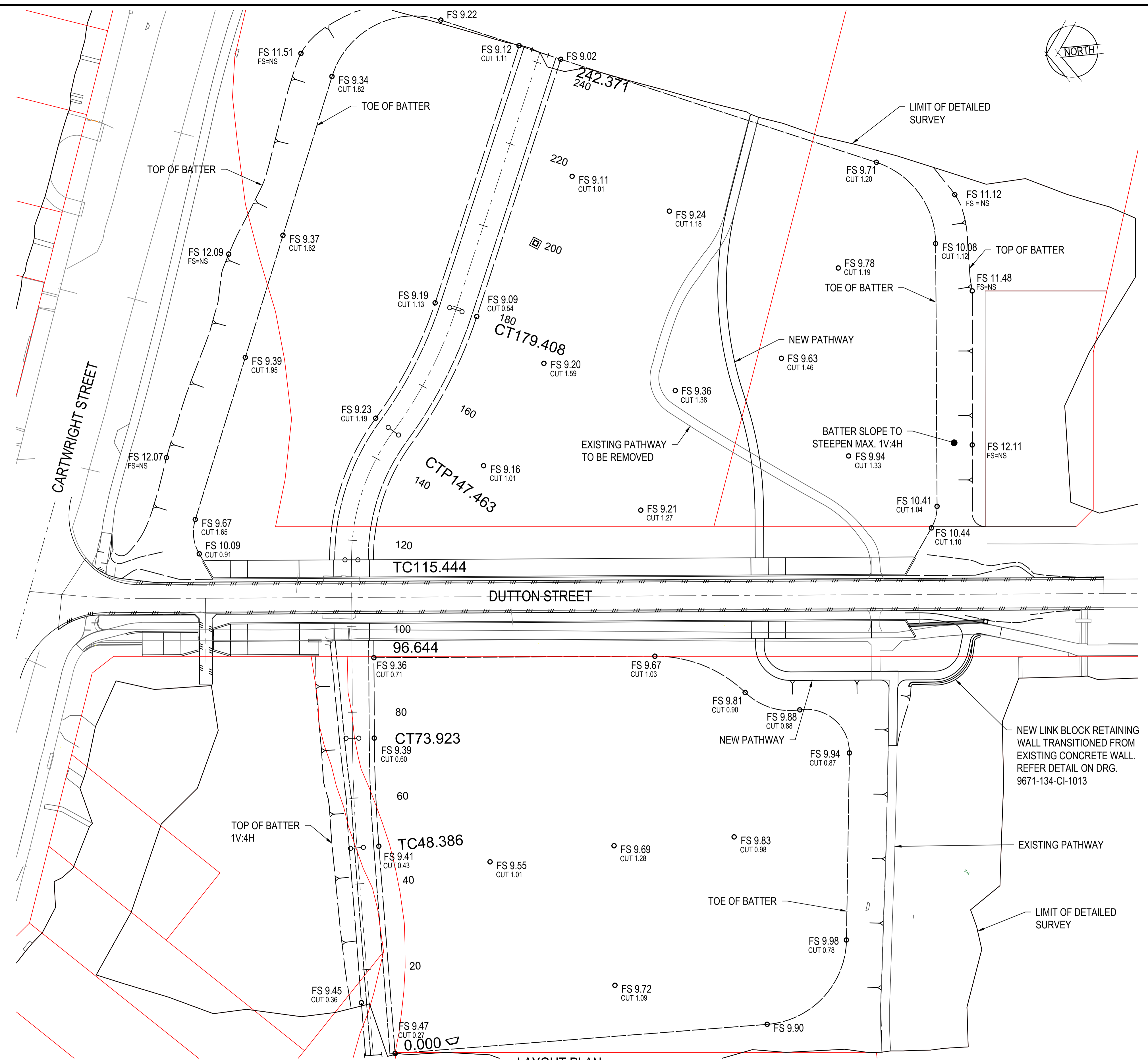
Status	FOR CONSTRUCTION			
Datum	AHD	GRID	Scale	AS SHOWN
Size				A1
Drawing Number	9671-134-CI-1005			Revision
				2

DATE PLOTTED: 1 September 2020 3:58 PM BY: LACHLAN LINDY



PALM CREEK INVERT PROFILE
SCALE 1:100H - 1:10V

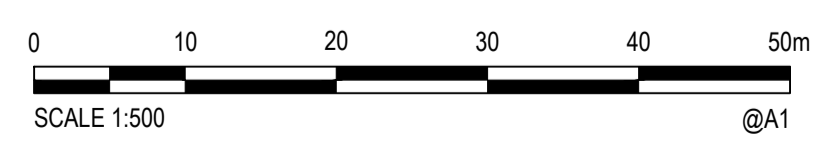
PALM CREEK INVERT GRADING DATA				
CHAINAGE	INVERT LEVEL	GRADE (%)	"X" (m)	"Y" (m)
0.0	9.167	0.11%	0.6	0.3
20	9.145		0.6	0.3
40	9.123		0.6	0.3
48.386	9.113		0.6	0.3
60	9.101		0.6	0.3
73.923	9.085		1.854	0.3
80	9.078	CULVERT	2.401	0.3
96.644	9.060		3.9	0.3
115.444	8.965		3.9	0.2
120	8.960		3.9	0.2
140	8.937		3.9	0.2
147.463	8.929		3.9	0.2
160	8.915		3.9	0.2
179.408	8.893		3.9	0.2
180	8.892		3.9	0.2
200	8.870		3.9	0.2
220	8.847		3.9	0.2
240	8.825		3.9	0.2
242.371	8.822		3.9	0.2



LAYOUT PLAN
SCALE 1:500

XREF: s:XR-9671134-CI-DESIGN-XR-9671134-CI-SURVEY
CAD File: I:\AUTOCAD\Projects\9671134 - HSC Palm Creek Bridge\3 - Project Delivery\Design\CAD\DWG\9671134-CI-1006.dwg

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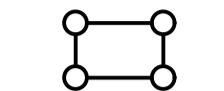

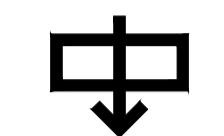

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Approved	RPEQ, 10801	Date	19.06.2020

Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	EARTHWORKS GRADING LAYOUT PLAN

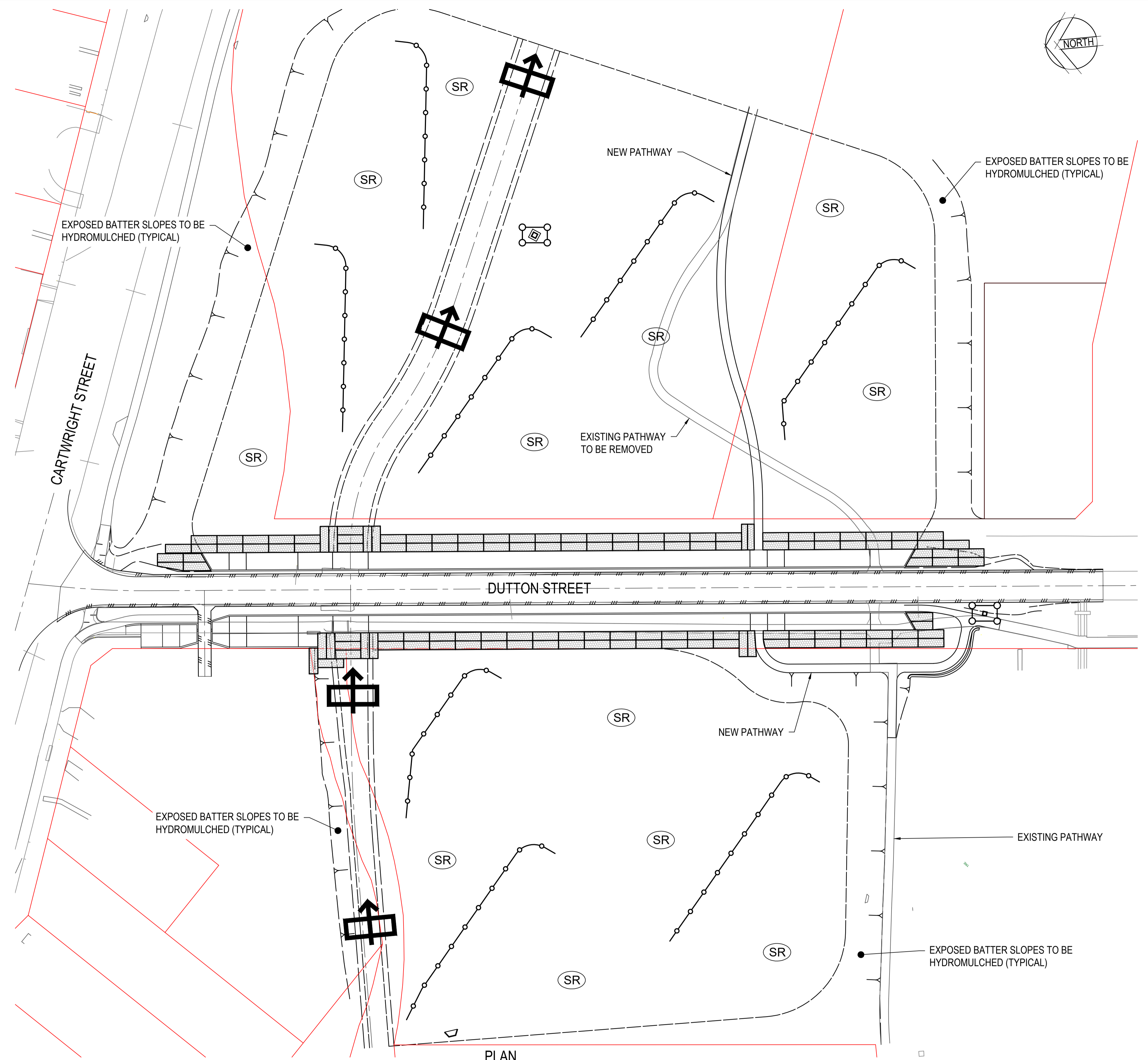
Status	FOR CONSTRUCTION				
Datum	AHD	Scale	AS SHOWN	Size	A1
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LEGEND

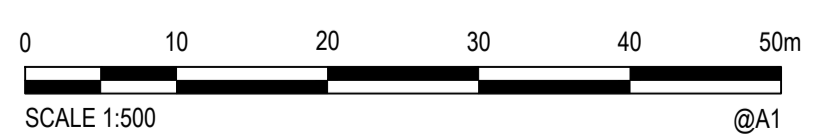
-  SEDIMENT FENCE
-  FLOW PATH
-  SEDIMENT TRAP
-  SURFACE ROUGHENING
-  ROCK FILTER DAM
-  ROCK FILLED RENO MATRESSES (6.0x2.0x0.23) ON GEOFABRIC INSTALLED TO MANUFACTURE SPECIFICATIONS (TYPICAL)

MAINTENANCE PERIOD

- SEDIMENT BARRIERS TO REMAIN IN PLACE UNTIL THE END OF THE MAINTENANCE PERIOD OR UNTIL DISTURBED AREAS ARE STABILISED.
- SEDIMENT BARRIERS AND STORMWATER SYSTEM ARE TO BE INSPECTED WEEKLY OR FOLLOWING RAINFALL EVENTS. SEDIMENT IS TO BE CLEARED FROM STRUCTURES AND ROADS AND CORRECTIVE ACTION TAKEN TO ADDRESS ANY SYSTEM FAILURES.
- REVEGETATION MAINTENANCE IS TO BE CONTINUED TO ESTABLISH AND MAINTAIN 70% GROUND COVER IN TREATED AREAS.



PLAN
SCALE 1:500



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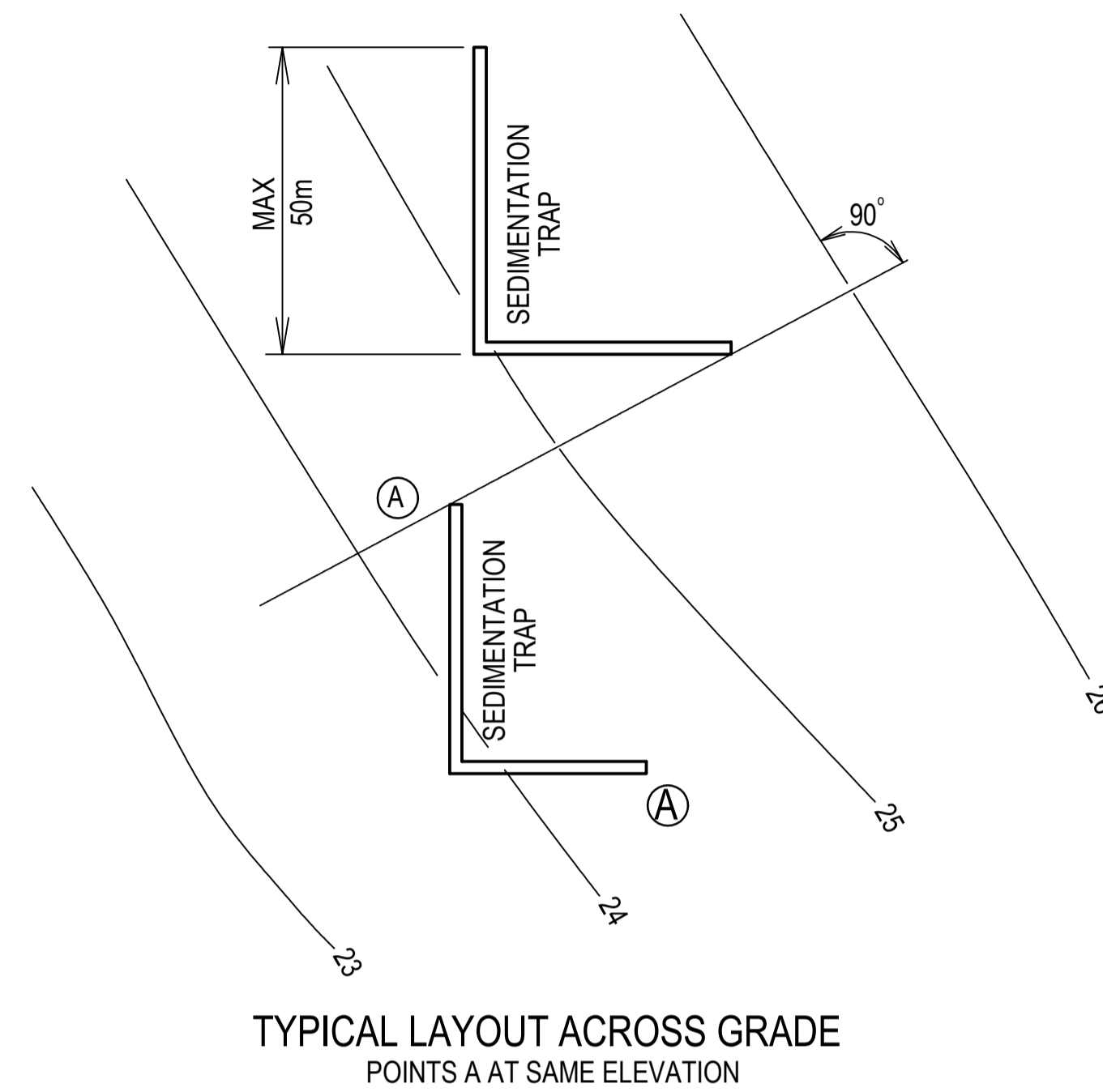
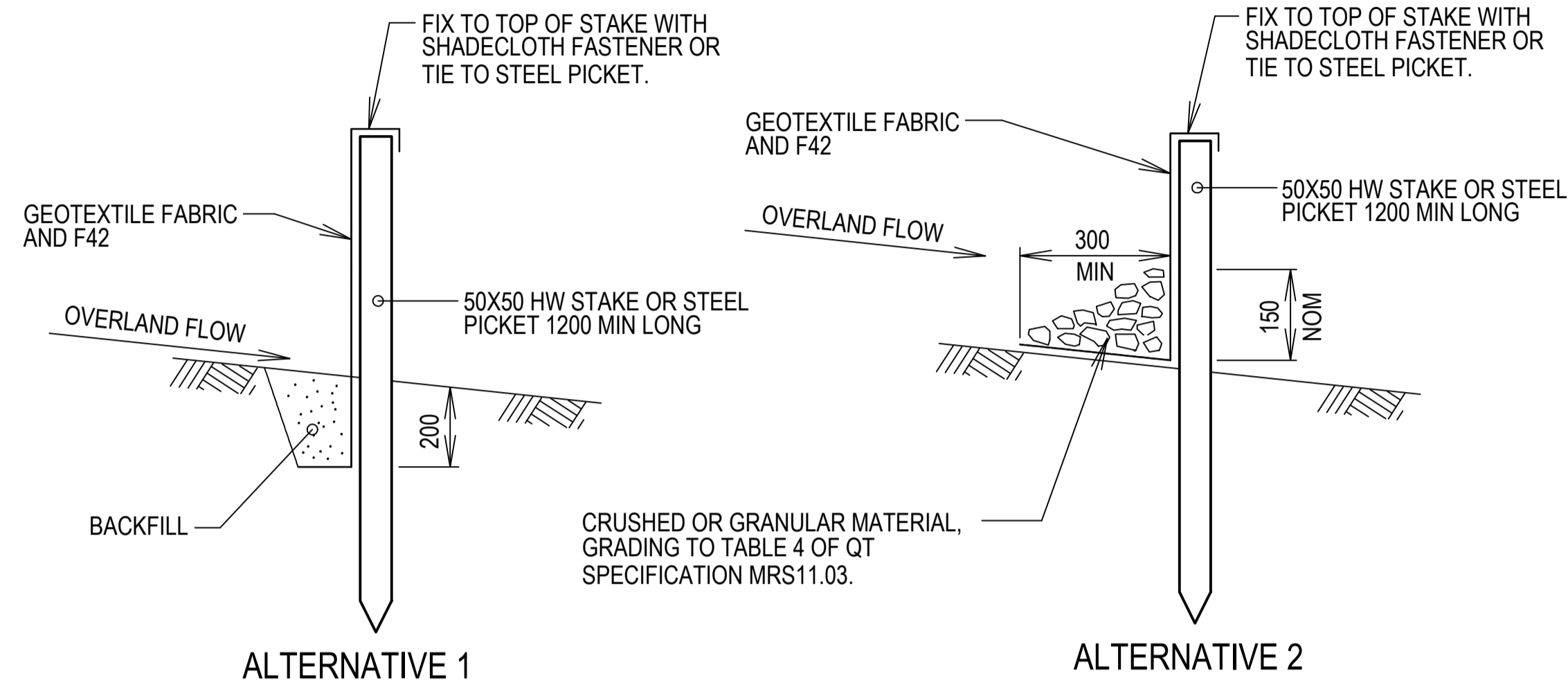
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Checked	s 47F	Date	19.06.2020
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Approved	RPEQ, 10801	Date	19.06.2020

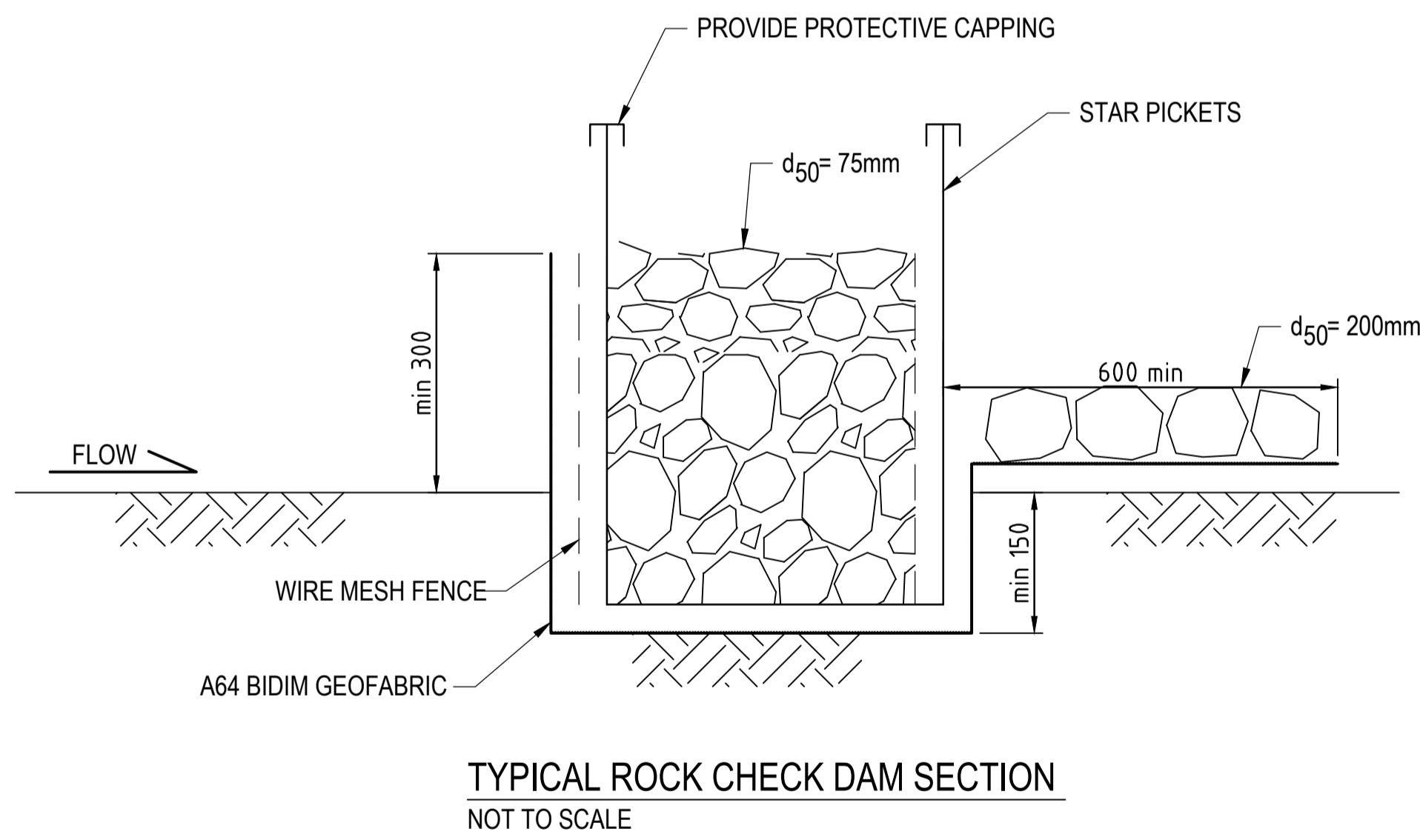
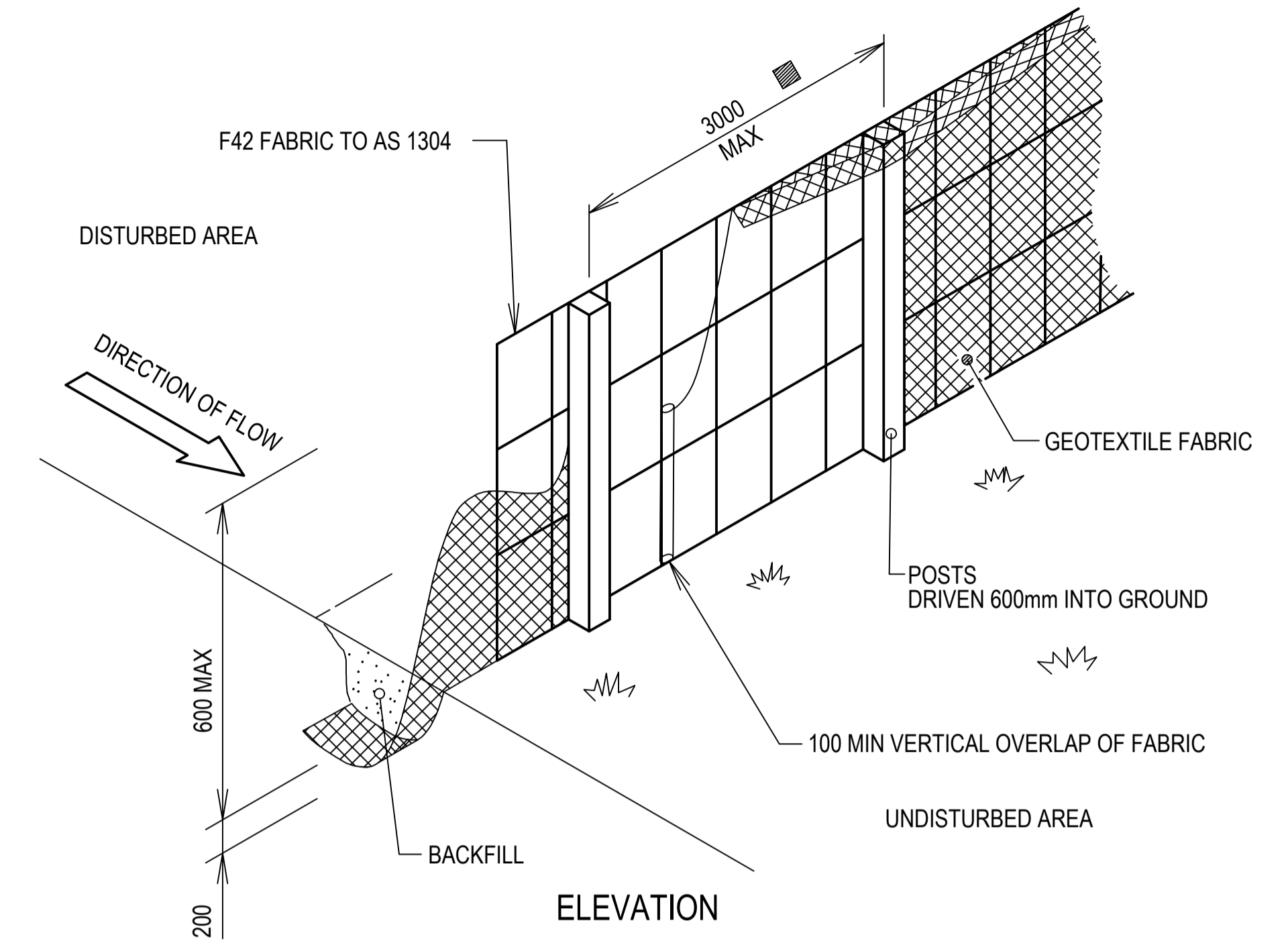
Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	EROSION AND SEDIMENT CONTROL LAYOUT PLAN

Status	FOR CONSTRUCTION			
Datum	AHD	GRID	Scale	AS SHOWN
Size				A1
Drawing Number	9671-134-CI-1007			Revision
				2

Rev.	Date	Description	Des.	Verif.	Appd.
2	01.09.2020	FOR CONSTRUCTION			s 47F
1	19.06.2020	ISSUED FOR CLIENT APPROVAL			



SEDIMENT FENCE



NOTES

1. GENERAL
 - (A) TEMPORARY DRAINAGE CONTROL. FLOW SHOULD BE DIVERTED AROUND THE WORK SITE WHERE POSSIBLE.
 - (B) ALL DRAINAGE, EROSION AND SEDIMENT CONTROLS TO BE INSTALLED AND BE OPERATIONAL BEFORE COMMENCING UP-SLOPE EARTHWORKS.
 - (C) ALL CONTROL MEASURES TO BE INSPECTED AT LEAST WEEKLY AND AFTER SIGNIFICANT RUNOFF PRODUCING STORMS.
 - (D) CONTROL MEASURES MAY BE REMOVED WHEN ON-SITE EROSION IS CONTROLLED AND 70% PERMANENT SOIL COVERAGE IS OBTAINED OVER ALL UPSTREAM DISTURBED LAND.
 - (E) IN AREAS WHERE RUNOFF TURBIDITY IS TO BE CONTROLLED, EXPOSED SURFACES TO BE EITHER MULCHED, COVERED WITH EROSION CONTROL BLANKETS OR TURFED IF EARTHWORKS ARE EXPECTED TO BE DELAYED FOR MORE THAN 14 DAYS.
2. SEDIMENT FENCE
 - (A) NORMALLY LOCATED ALONG THE CONTOUR WITH A MAXIMUM CATCHMENT AREA 0.6 ha PER 100m LENGTH OF FENCE.
 - (B) WOVEN FABRICS ARE PREFERRED, I.E. OPERATIONAL PERIOD LESS THAN 6 MONTHS OR ON SITES WHERE SIGNIFICANT SEDIMENT RUNOFF IS NOT EXPECTED.
 - (C) WHERE FENCES NEED TO BE LOCATED ACROSS THE CONTOUR THE LAYOUT SHALL CONFORM TO 'TYPICAL LAYOUT ACROSS GRADE'.
 - (D) FENCES ARE REQUIRED 2m MIN FROM TOE OF CUT OR FILL BATTERS, WHERE NOT PRACTICAL ONE FENCE CAN BE AT THE TOE WITH A SECOND FENCE 1m MIN AWAY. FENCE SHOULD NOT BE LOCATED PARALLEL WITH TOE IF CONCENTRATION OF FLOW WILL OCCUR BEHIND THE FENCE.
3. TEMP CONSTRUCTION ENTRY/EXIT SEDIMENT TRAP.
 - (A) ADJACENT STORMWATER RUNOFF TO BE DIVERTED AWAY FROM ENTRY/EXIT.
 - (B) WHEEL - WASH OR SPRAY UNIT MAY BE REQUIRED DURING WET WEATHER.
4. SAFETY ISSUES MUST BE CONSIDERED AT ALL TIMES, INCORPORATE TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS INDICATED OTHERWISE.

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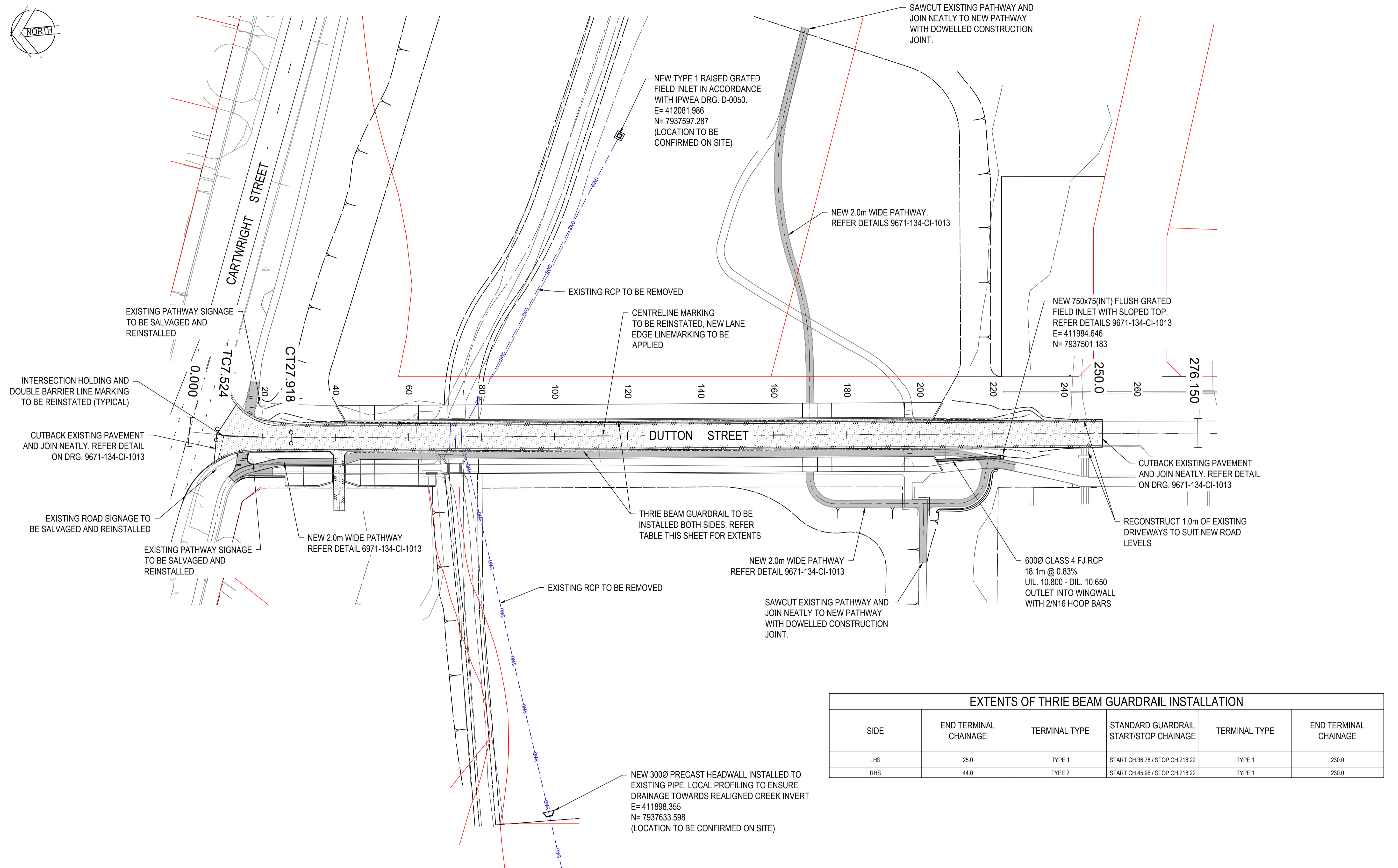
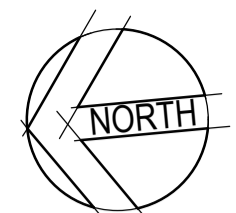
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Approved	RPEQ, 10801	Date	19.06.2020

Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	EROSION AND SEDIMENT CONTROL DETAILS

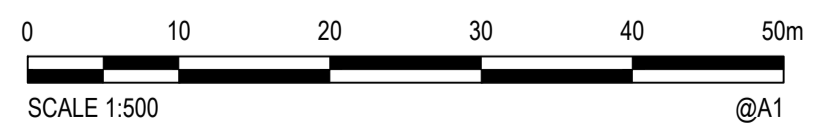
Status	FOR CONSTRUCTION				
Datum	AHD	Scale	AS SHOWN	Size	A1
Drawing Number	9671-134-CI-1008			Revision	2

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LAYOUT PLAN
SCALE 1:500

EXTENTS OF THRE BEAM GUARDRAIL INSTALLATION					
SIDE	END TERMINAL CHAINAGE	TERMINAL TYPE	STANDARD GUARDRAIL START/STOP CHAINAGE	TERMINAL TYPE	END TERMINAL CHAINAGE
LHS	25.0	TYPE 1	START CH.36.78 / STOP CH.218.22	TYPE 1	230.0
RHS	44.0	TYPE 2	START CH.45.96 / STOP CH.218.22	TYPE 1	230.0



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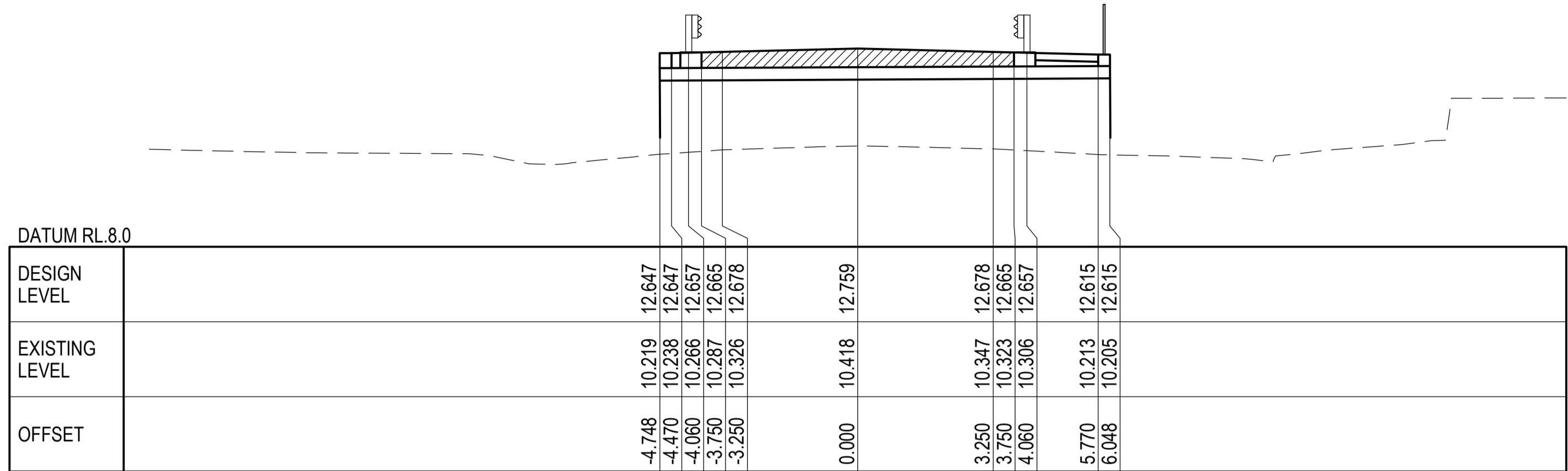
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Verified	s 47F	Date	19.06.2020
Approved	RPEQ, 10801	Date	19.06.2020

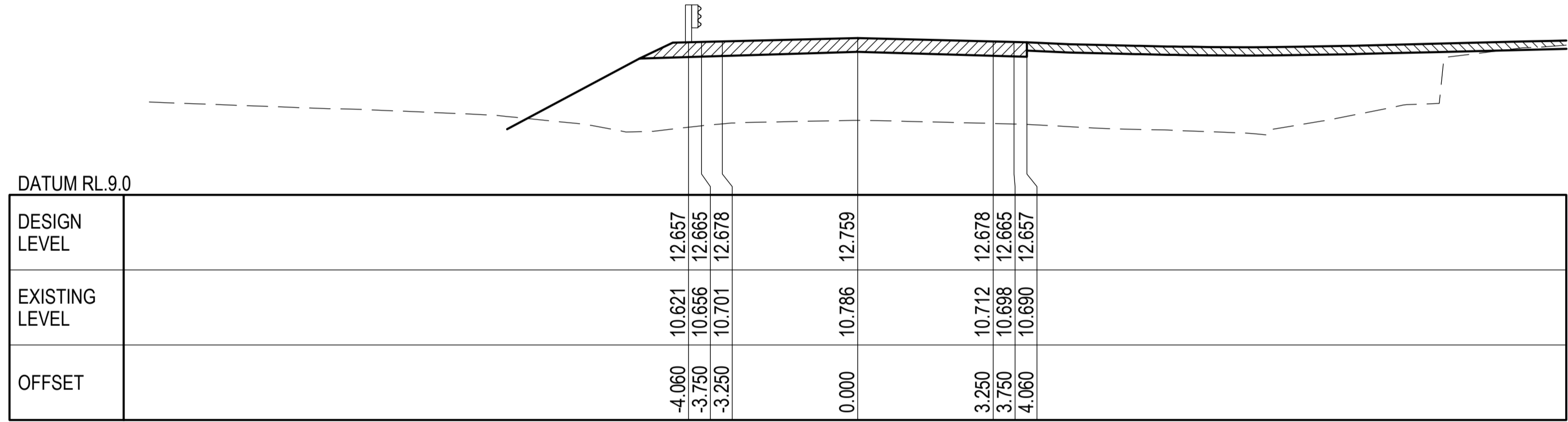
Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	ROADWORKS AND DRAINAGE LAYOUT PLAN

Status	FOR CONSTRUCTION				
Datum	AHD	Scale	AS SHOWN	Size	A1
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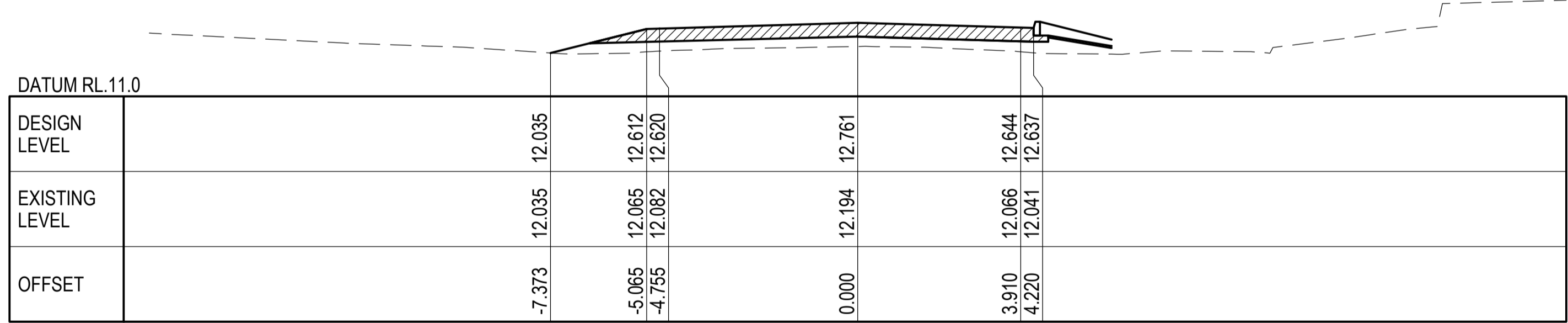
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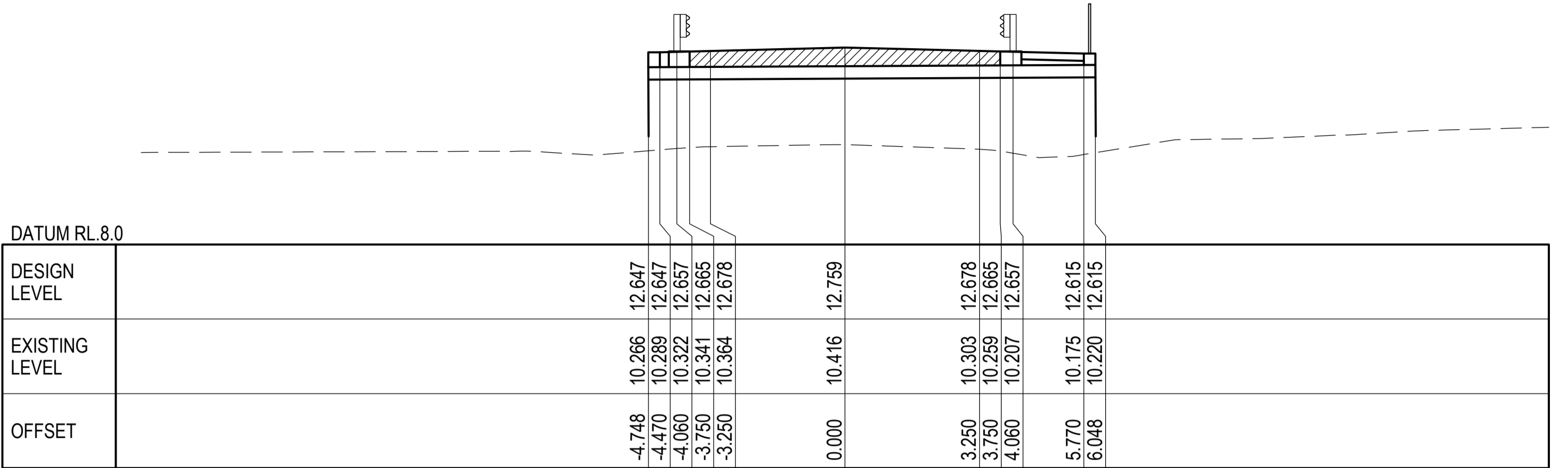
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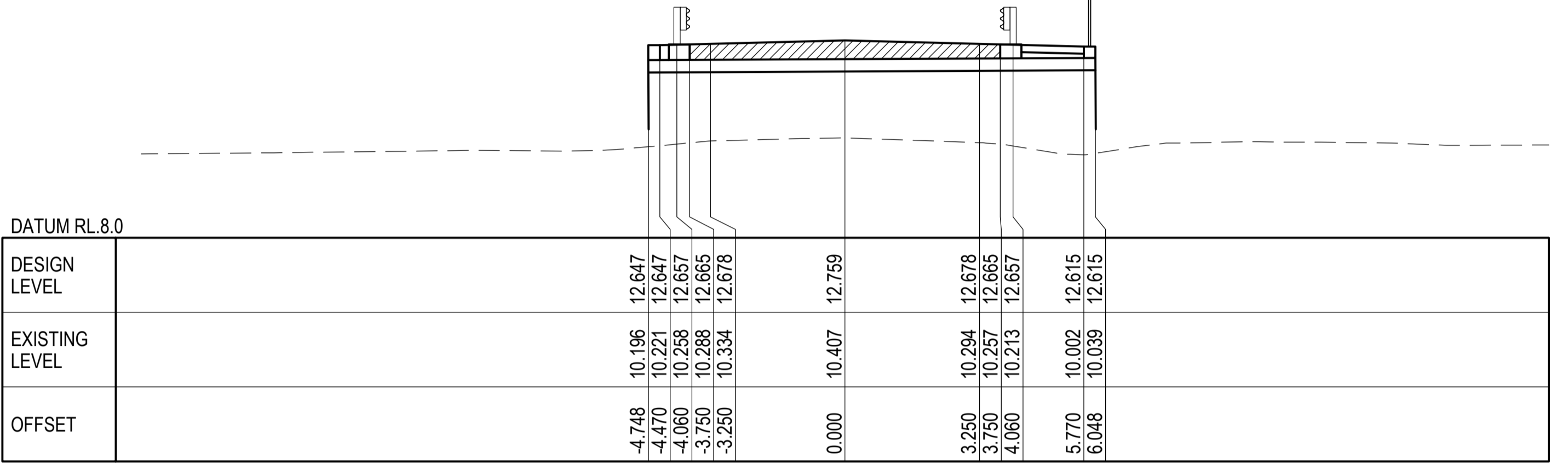
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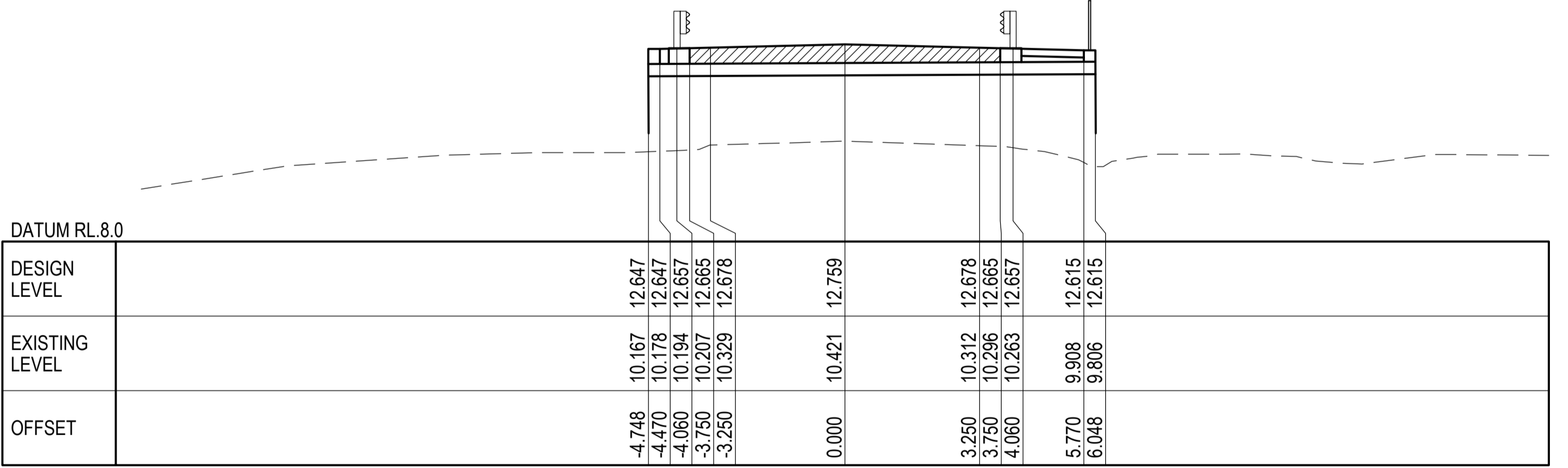
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CH 120.000

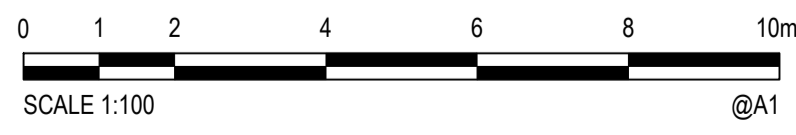


CH 100.000



CH 80.000

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2	01.09.2020	FOR CONSTRUCTION			s 47F
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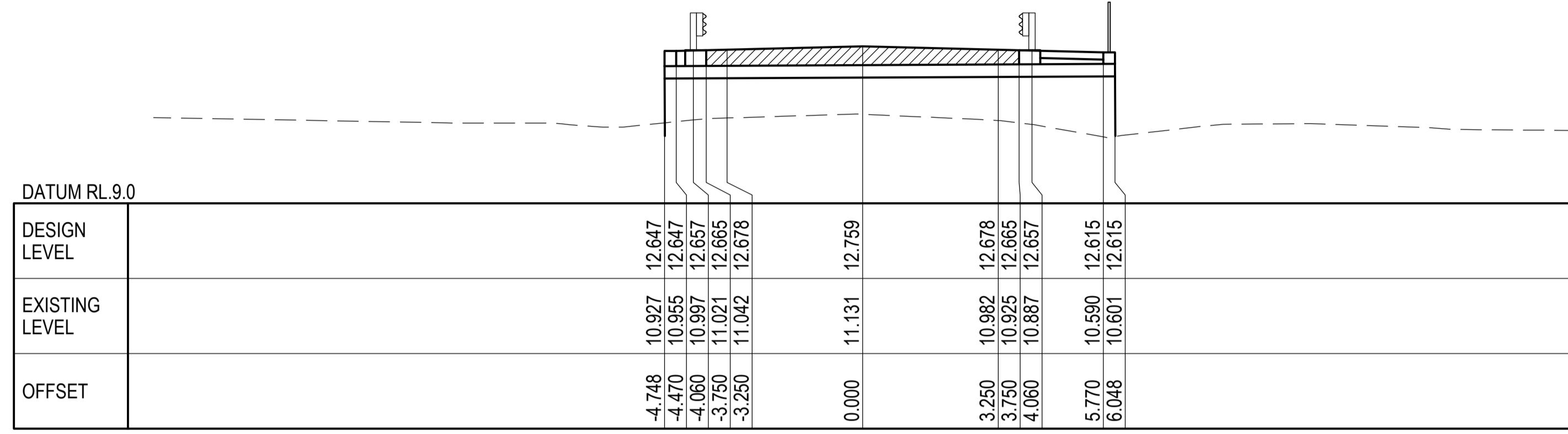
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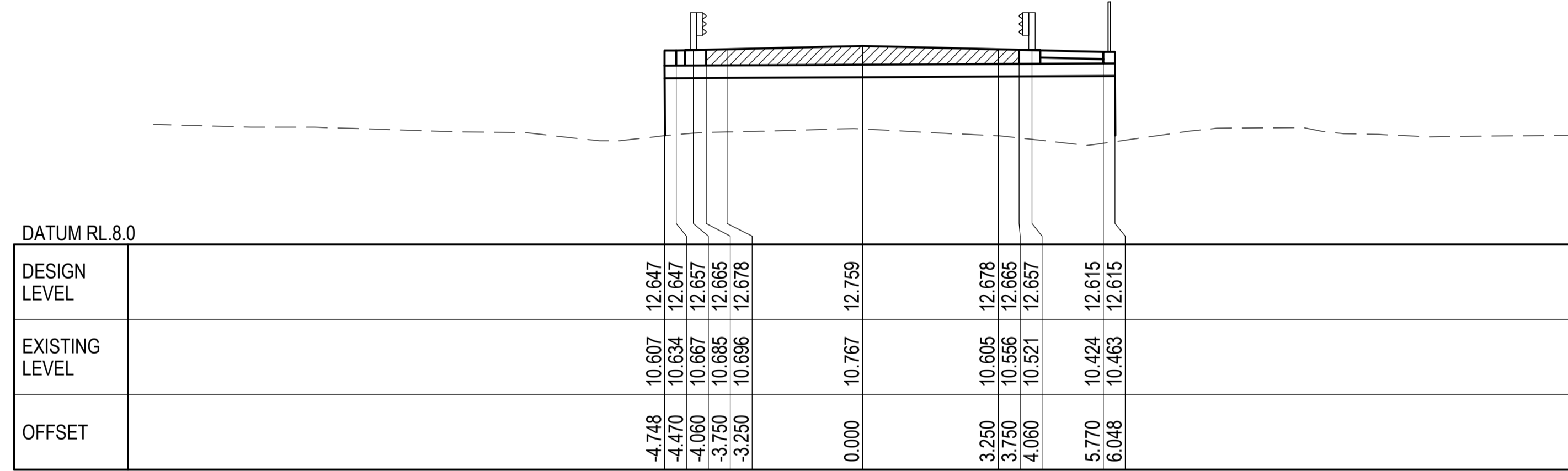
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Verified	s 47F	Date	19.06.2020
Approved	RPEQ, 10801	Date	19.06.2020

Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	ROADWORKS CROSS SECTIONS DUTTON STREET SHEET 1 OF 2

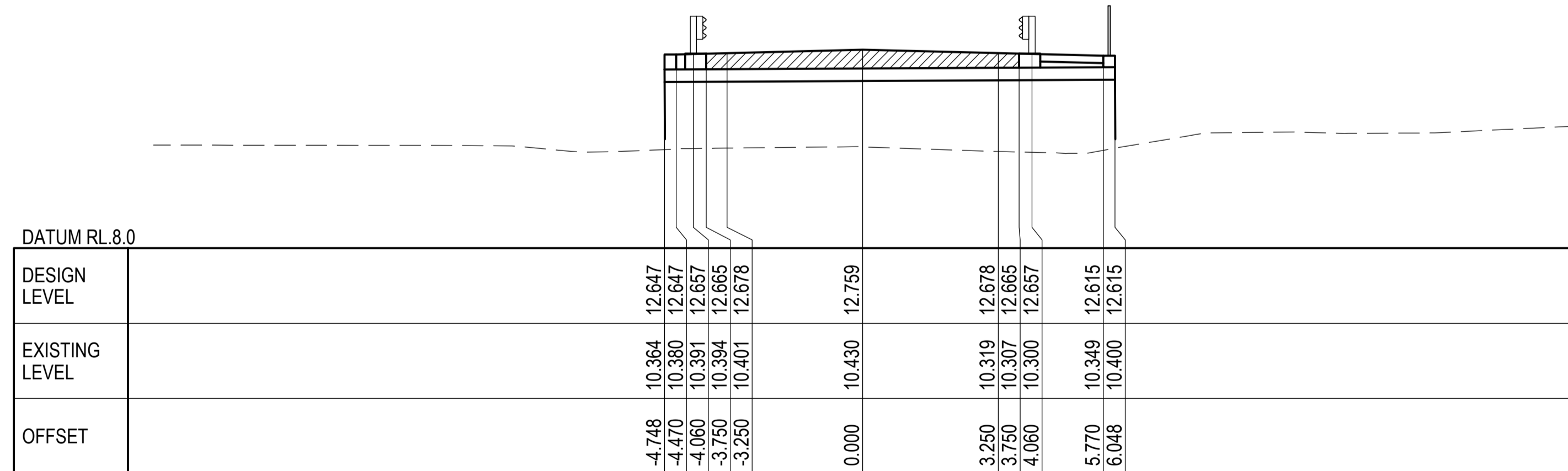
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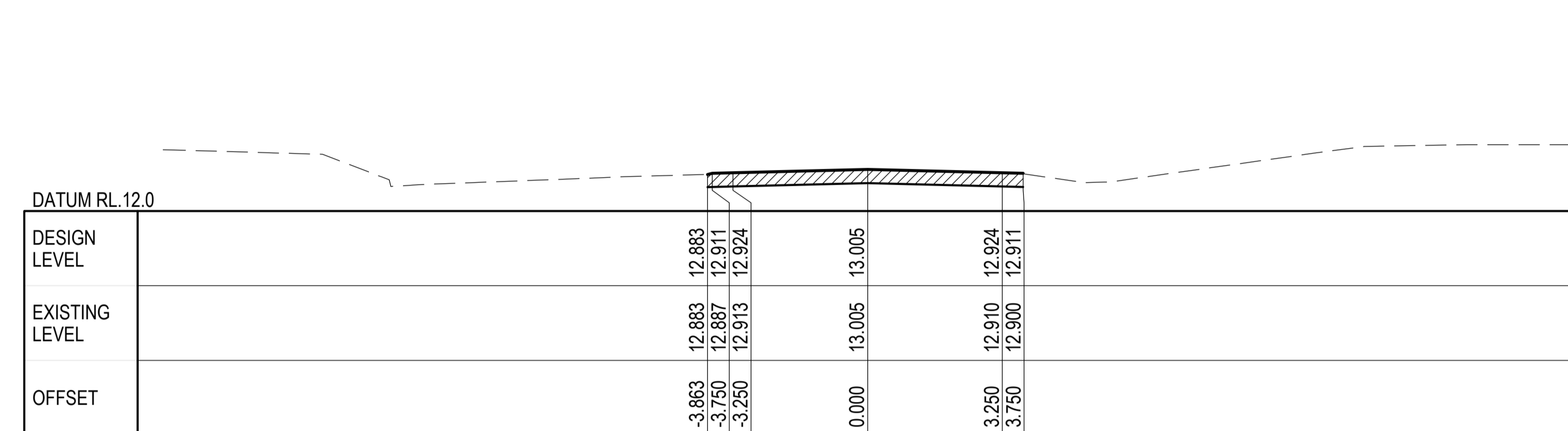
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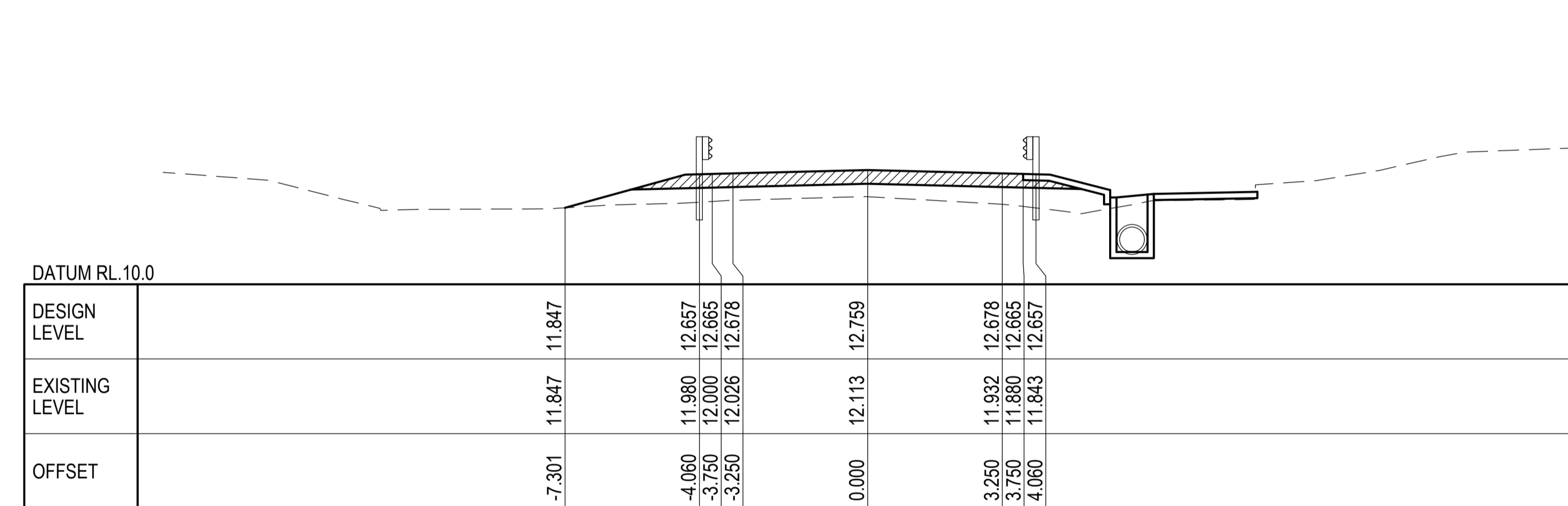
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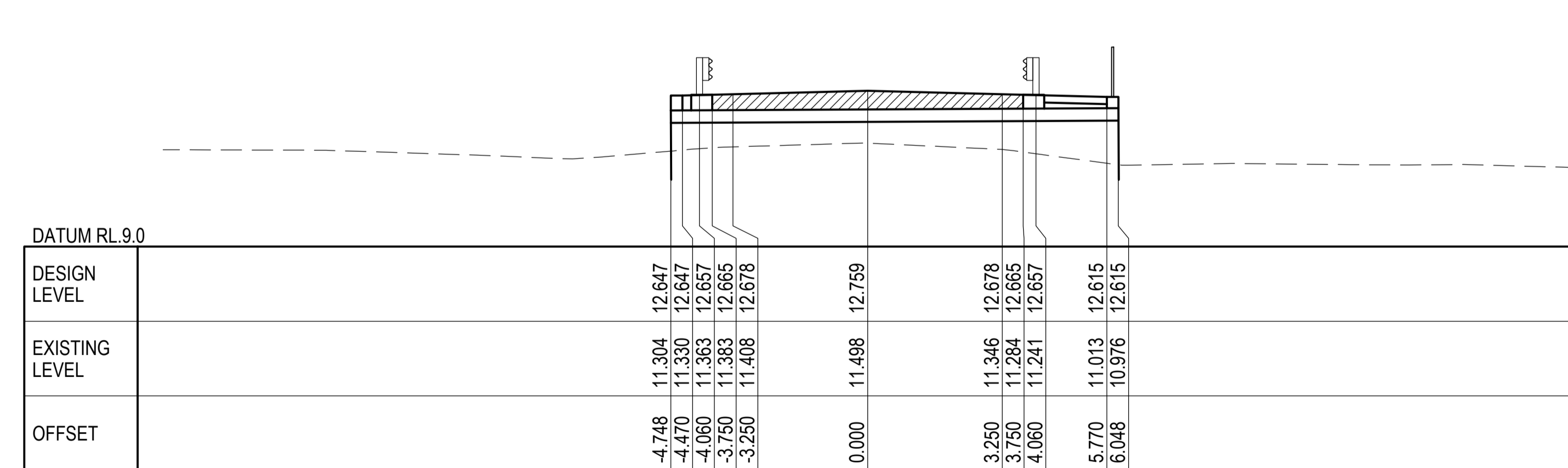
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CH 250.000

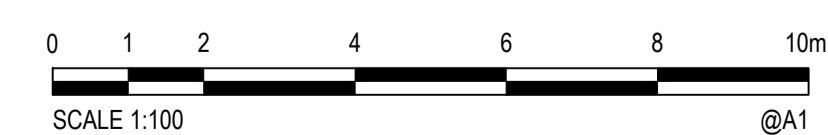


CH 220.000



CH 200.000

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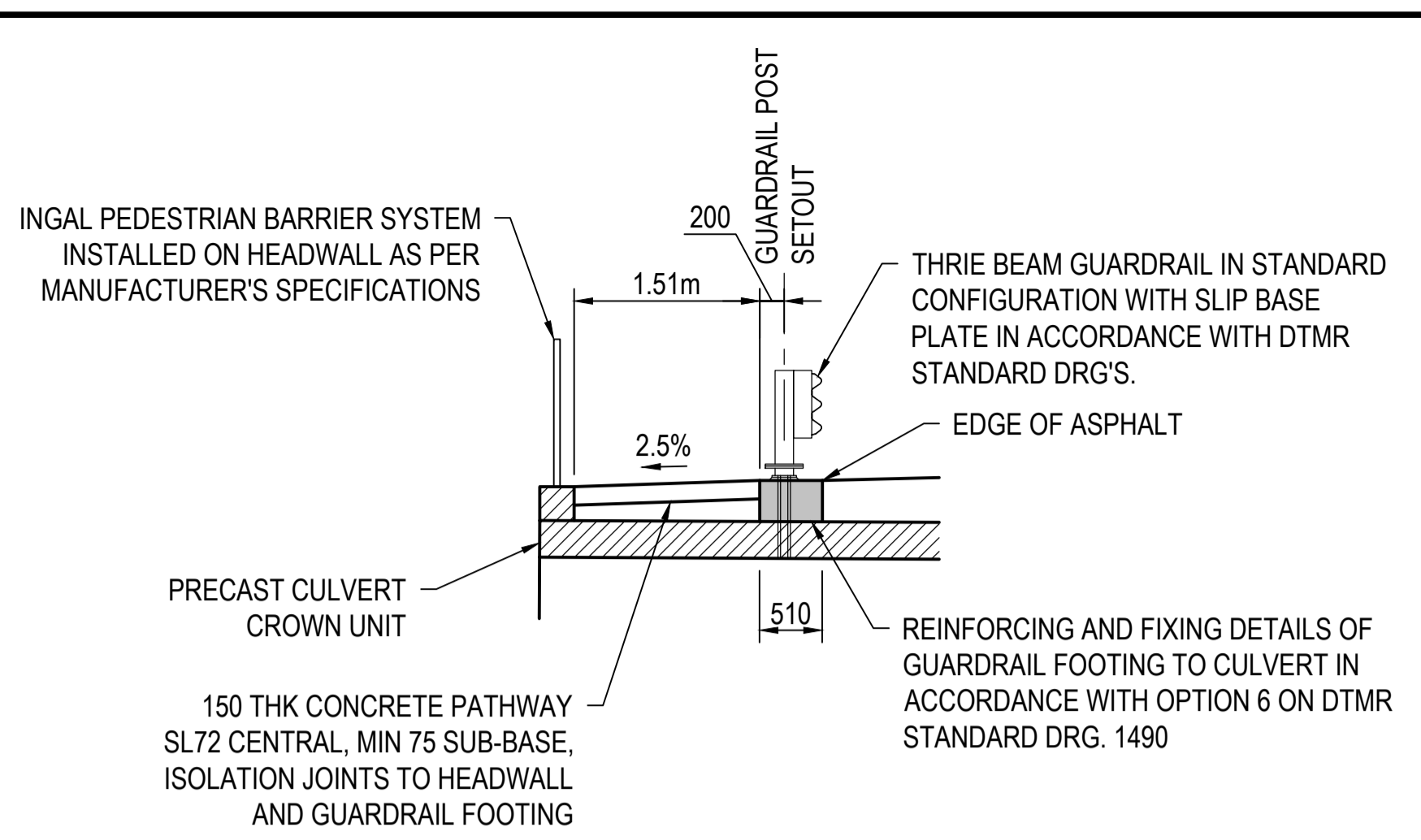
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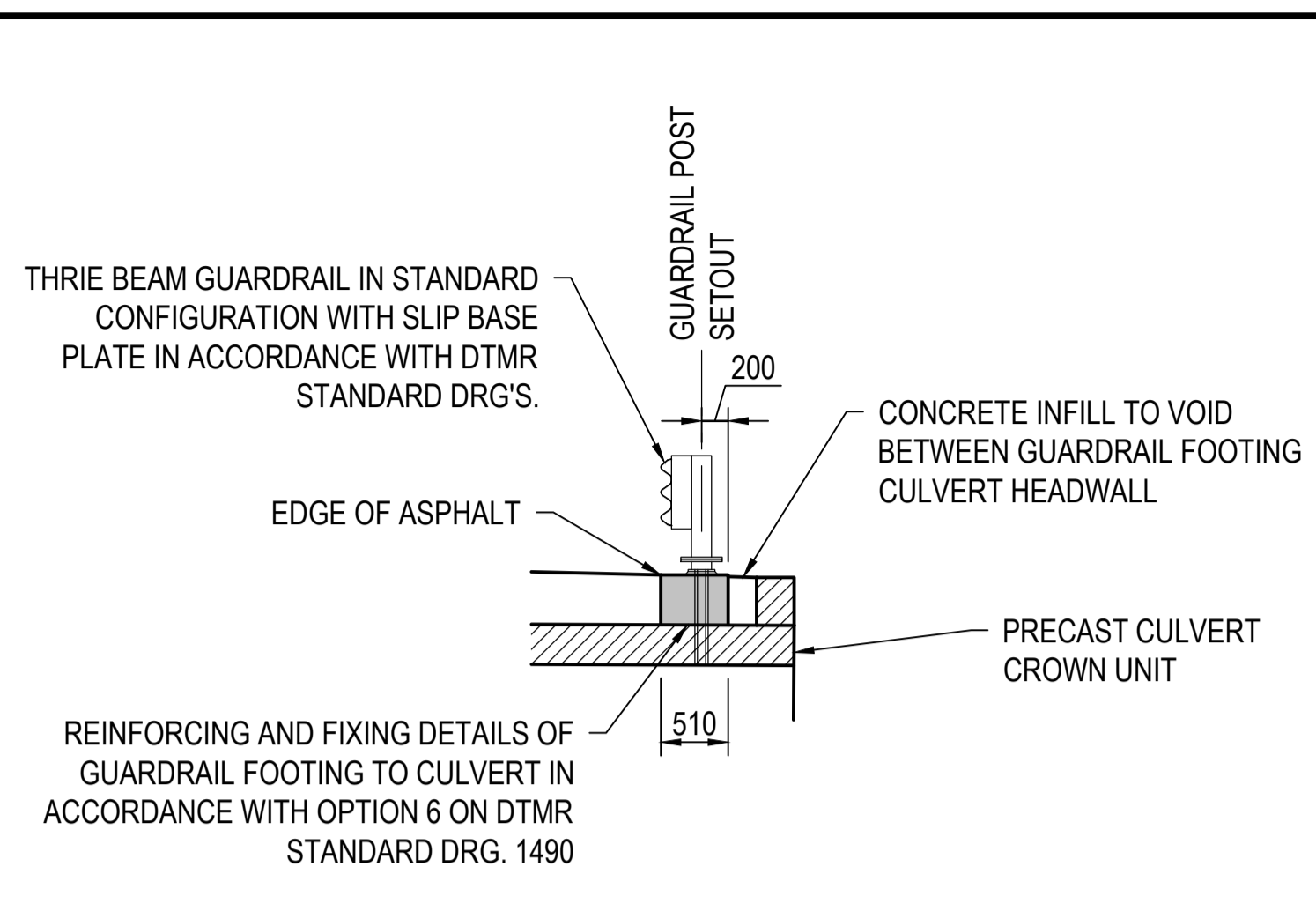
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Checked	s.47F	Date	19.06.2020	Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Designed	s.47F	Date	19.06.2020	Title	ROADWORKS CROSS SECTIONS DUTTON STREET SHEET 2 OF 2
Verified	s.47F	Date	19.06.2020		
Approved	RPEQ. 10801	Date	19.06.2020		

Status				FOR CONSTRUCTION	
Datum	AHD	GRID	Scale	AS SHOWN	Size
Drawing Number	9671-134-CI-1012			Revision	A1
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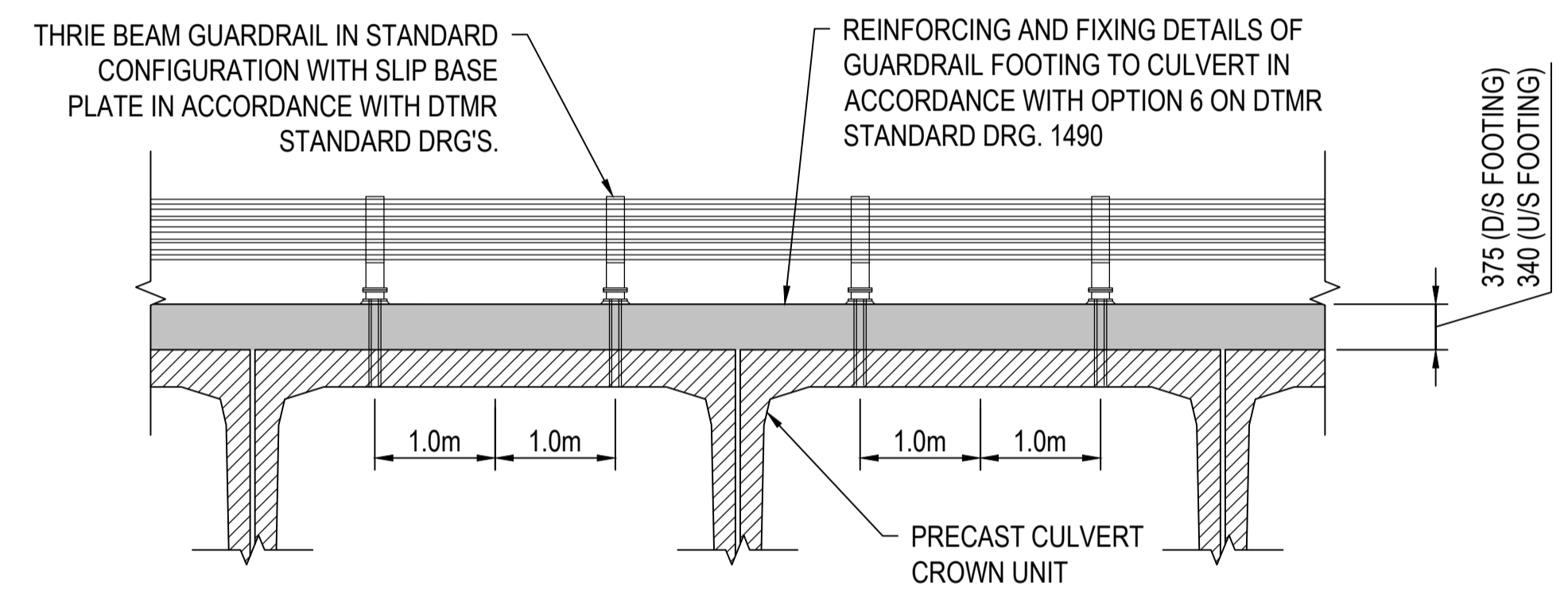
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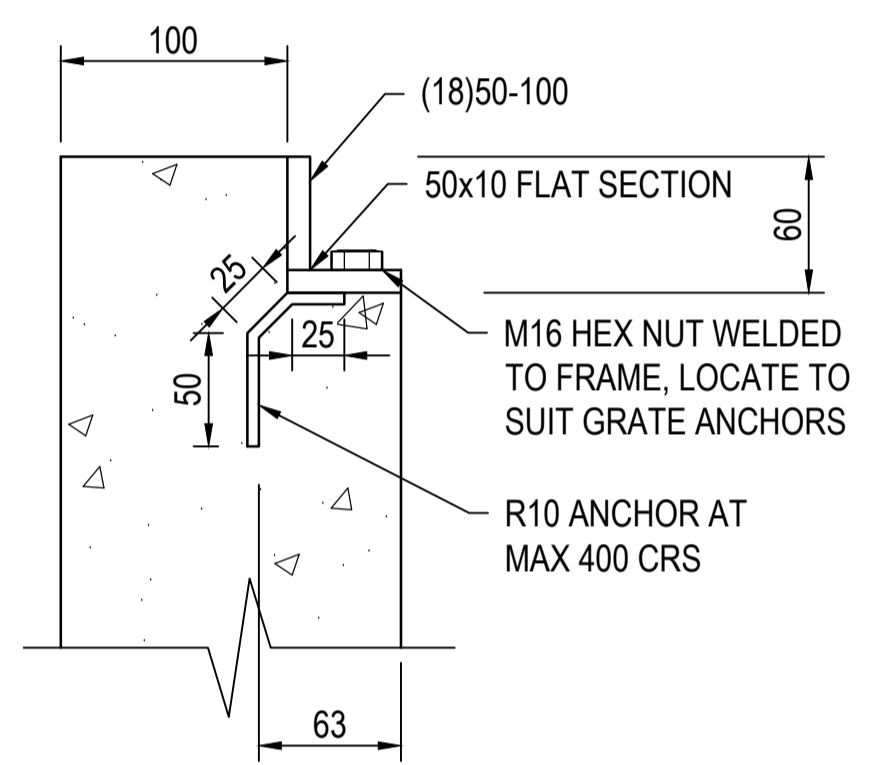
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SCALE 1:50



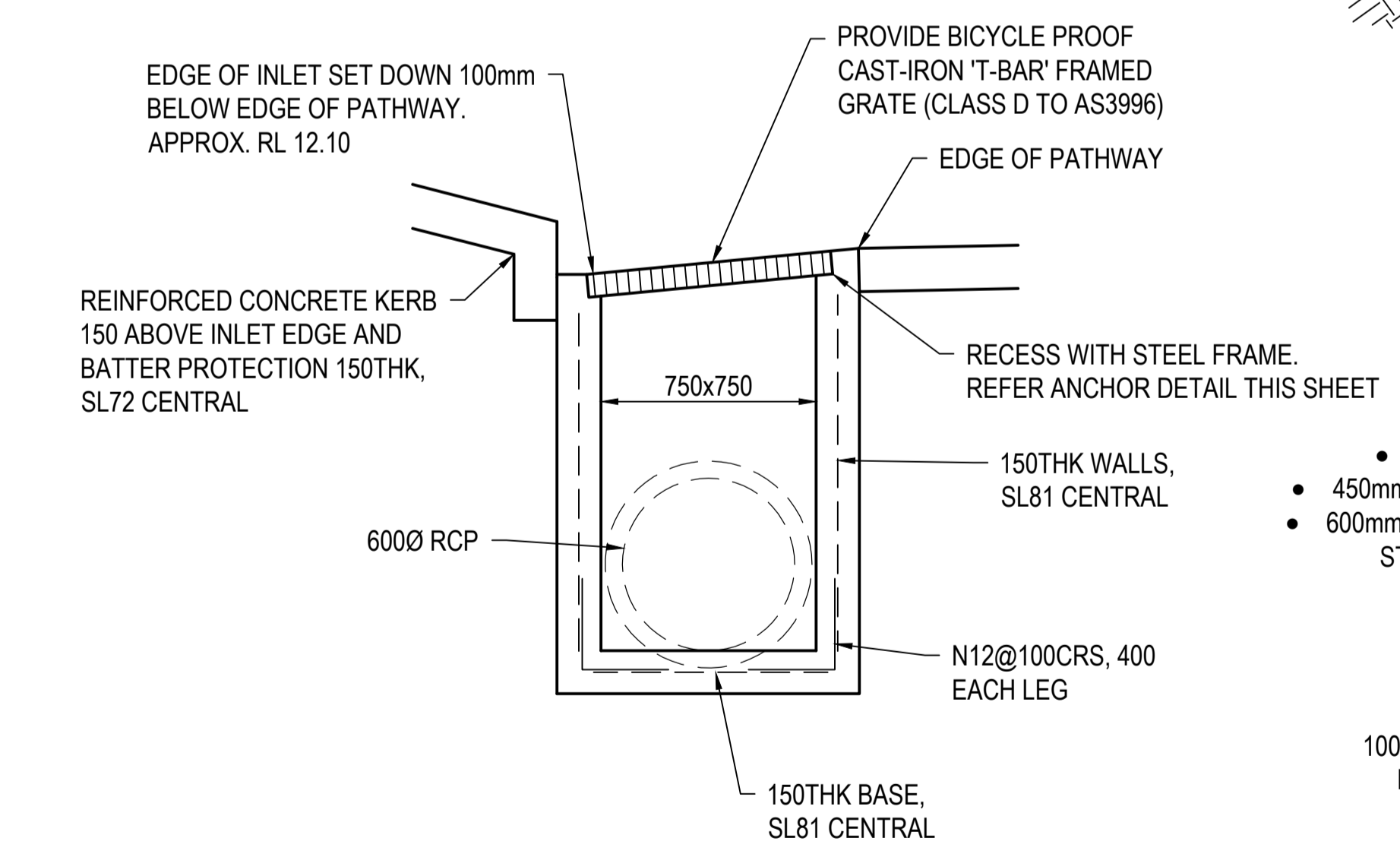
TYPICAL DOWNSTREAM GUARDRAIL FOOTING SECTION
SCALE 1:50



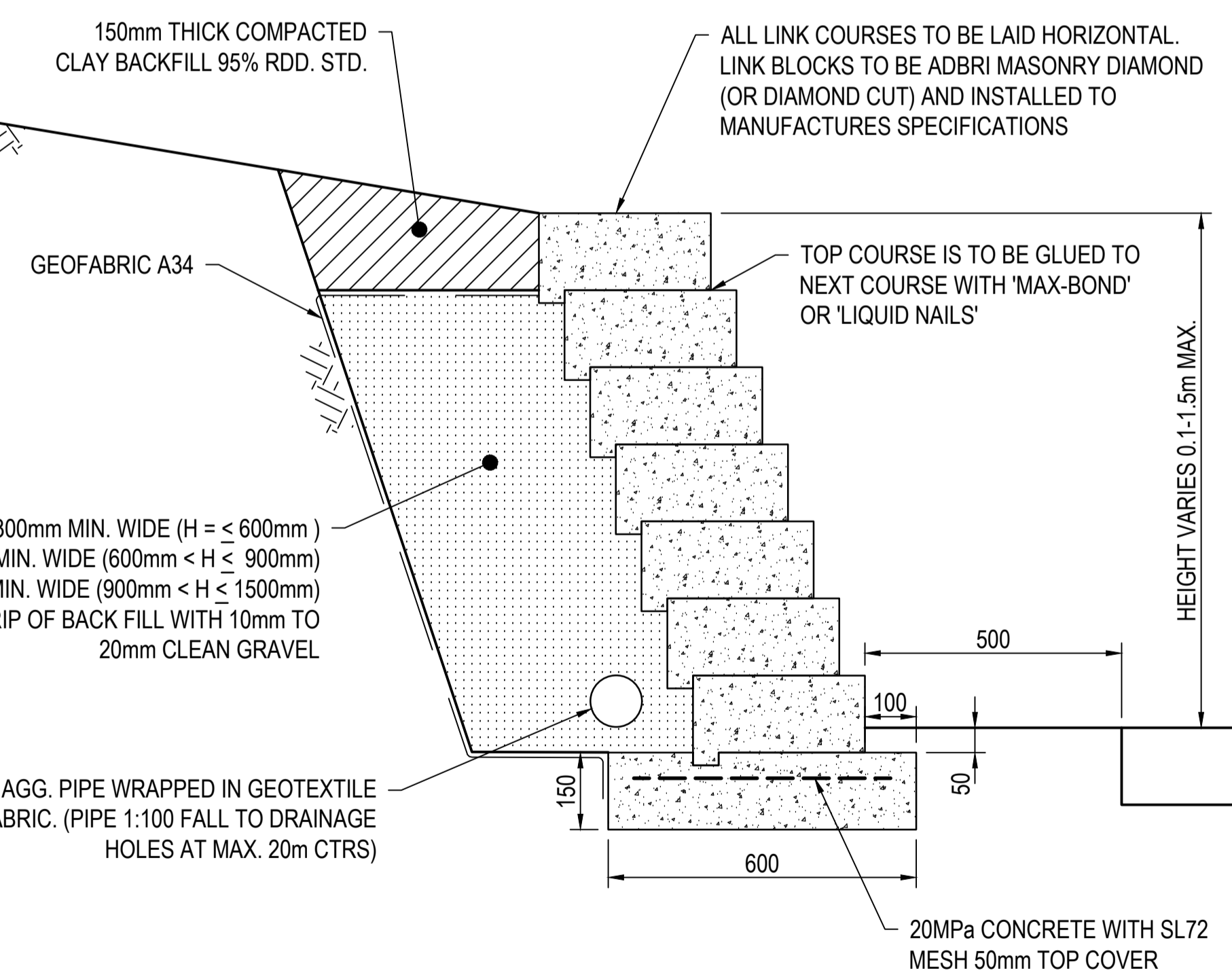
GUARDRAIL FOOTING ELEVATION
SCALE 1:50



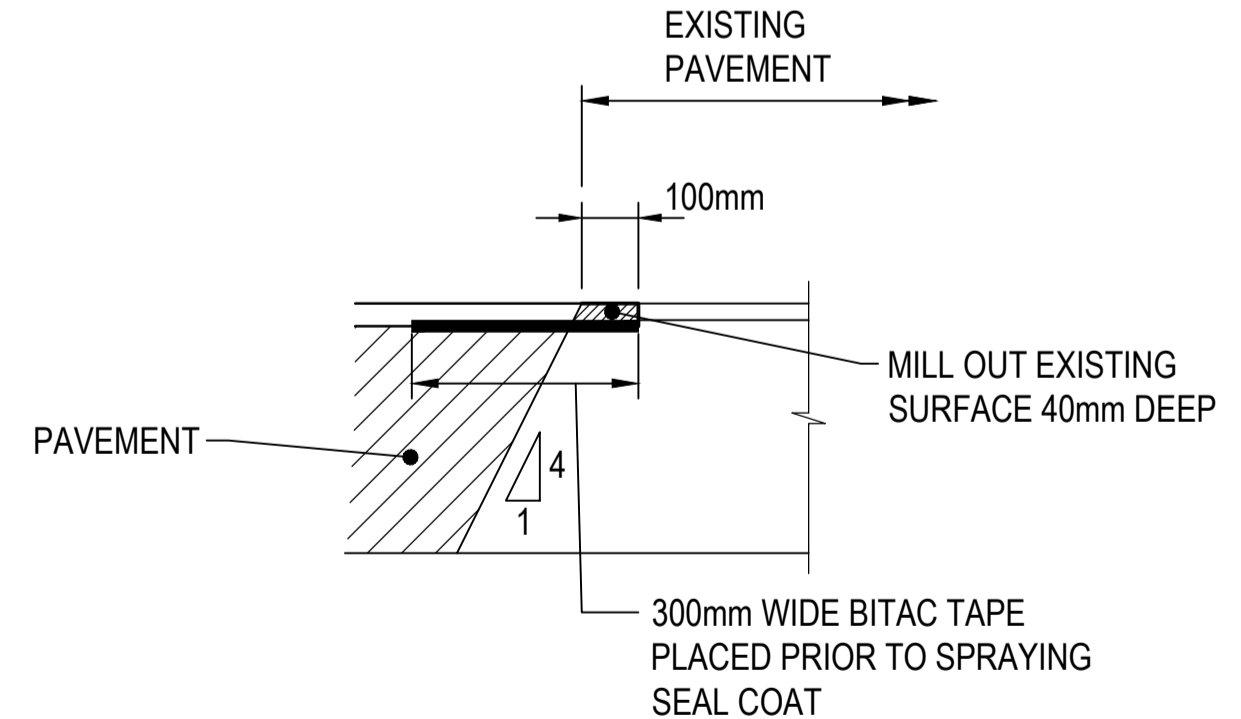
TYPICAL ANCHOR DETAIL
NOT TO SCALE



TYPICAL FLUSH GRATED FIELD INLET DETAIL
NOT TO SCALE



TYPICAL LINK WALL SECTION
SCALE 1:100



EXISTING PAVEMENT CONNECTION DETAIL
NOT TO SCALE

CONCRETE NOTES

SERVICE LOADS

SURCHARGE LOAD 5 KPa
DESIGN FOUNDATION BEARING CAPACITY 100 KPa

FORMWORK

- CF1 THE DESIGN, CONSTRUCTION AND PERFORMANCE OF THE FORMWORK AND FALSEWORK IS THE RESPONSIBILITY OF THE BUILDER. INSTALLATION OF STEEL FORMWORK SHALL BE STRICTLY IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- CF2 DESIGN AND CONSTRUCTION AND STRIPPING TIMES SHALL COMPLY WITH AS 3610 AND AS 3600 UNLESS OTHERWISE APPROVED BY THE ENGINEER. DURING CONSTRUCTION, SUPPORT PROPPING SHALL BE PROVIDED WHERE LOADS FROM STACKED MATERIALS, FORMWORK AND OTHER SUPPORTED SLABS INDUCE LOADS IN A SLAB OR BEAM WHICH EXCEED THE DESIGN LOAD FOR STRENGTH OR SERVICEABILITY AT THAT AGE ONCE THE NOMINATED 28 DAY STRENGTH HAS BEEN ATTAINED, THESE LOADS SHALL NOT EXCEED THE DESIGN SUPERIMPOSED LOADS SET OUT IN THE GENERAL NOTES.
- CF4 THE FORMWORK SHALL BE DESIGNED TO RELY ON NO RESTRAINT OR SUPPORT FROM THE PERMANENT STRUCTURE WITHOUT PRIOR APPROVAL FROM THE PROJECT DESIGN ENGINEER.
- CF5 FORMWORK SHALL BE DESIGNED TO ACCOMMODATE MOVEMENTS AND LOAD RE DISTRIBUTION DUE TO POST-TENSIONING.
- CF6 WHERE NECESSARY SPECIAL REQUIREMENTS FOR SEQUENCE OF CONCRETE PLACEMENT AND STRIPPING ARE SET OUT ON DRAWINGS.
- CF7 DESIGN INFORMATION CONCERNING THE FOUNDATION FORMWORK SHALL BE DETERMINED FROM THE CONDITIONS EXISTING ON SITE AT THE TIME OF CONSTRUCTION. REFER ALSO TO THE GEOTECHNICAL REPORT WHERE AVAILABLE.

CONCRETE NOTES

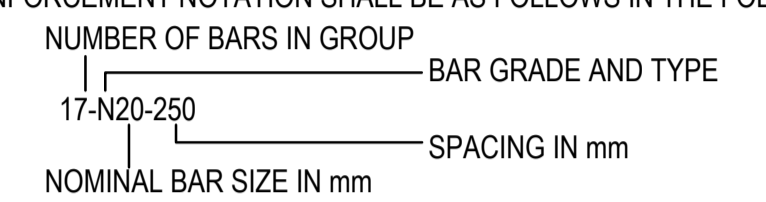
- 1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600, AS 1379 & AS 3610 CURRENT EDITIONS WITH AMENDMENTS,

NUMBER OF TRUCKS	NUMBER OF SAMPLES
1	1
2 - 10	2
11 - 20	3
FOR EACH ADDITIONAL 10 TRUCKS	1 EACH

- 2. EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- 3. CONCRETE SPECIFICATION: CONCRETE GRADE N40. MAX. AGGREGATE SIZE 20mm.
- 4. FOOTING CONCRETE GRADE N32. COVER TO REINFORCEMENT = 50mm.
- 5. FOOTING DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 100 KPa.
- 6. WINGWALLS AND HEADWALLS DESIGNED FOR 5 KPa SURCHARGE.
- 7. CONCRETE SHALL BE MECHANICALLY VIBRATED TO ACHIEVE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.
- 8. CURING OF ALL CONCRETE IS TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF THREE DAYS, AND THE PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT. APPROVED SPRAYED ON CURING COMPOUNDS THAT COMPLY WITH AS 3799 MAY BE USED WHERE FLOOR FINISHES WILL NOT BE AFFECTED (REFER MANUFACTURERS SPECIFICATIONS). POLYTHENE SHEETING OR WET HESSIAN MAY BE USED IF PROTECTED FROM WIND AND TRAFFIC.
- 9. CONSTRUCTION SUPPORT PROPPING IS TO BE LEFT IN PLACE WHERE NEEDED TO AVOID OVERSTRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING.
- 10. REPAIRS TO CONCRETE SHALL NOT BE ATTEMPTED WITHOUT THE PERMISSION OF THE ENGINEER.

REINFORCEMENT

- R1 ALL REINFORCING BARS SHALL BE GRADE D500N TO AS 4671 UNLESS NOTED OTHERWISE. IT SHALL BE CUT AND BENT IN ACCORDANCE WITH AS3600. ACCEPTABLE MANUFACTURERS AND PROCESSORS OF STEEL REINFORCEMENT MUST HOLD A VALID CERTIFICATE OF APPROVAL, ISSUED BY THE AUSTRALIAN CERTIFICATION AUTHORITY FOR REINFORCING STEELS (ACRS), OR TO SUCH AN EQUIVALENT CERTIFICATION SYSTEM AS MAY BE APPROVED IN WRITING BY THE SPECIFIER. EVIDENCE OF COMPLIANCE WITH THIS CLAUSE MUST BE OBTAINED WHEN CONTRACT BIDS ARE RECEIVED. ALL MESH SHALL BE GRADE 500L TO AS4671 AND SHALL BE SUPPLIED IN FLAT SHEETS. REINFORCEMENT NOTATION SHALL BE AS FOLLOWS IN THE FOLLOWING



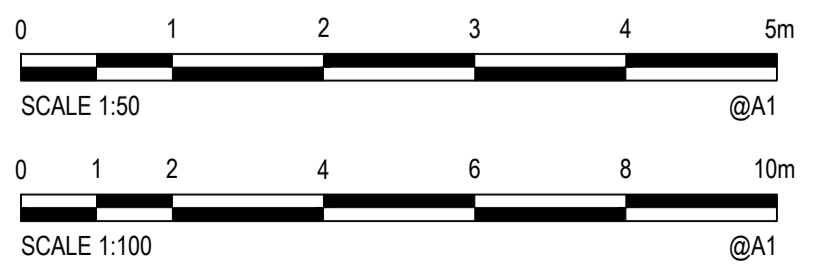
NOMINAL BAR SIZE IN mm
THE FIGURES FOLLOWING THE FABRIC SYMBOLS RL, SL, L, TM IS THE REFERENCE NUMBER FOR FABRIC TO AS 4671.
R2 REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.
R3 SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER. LAPS SHALL BE IN ACCORDANCE WITH AS 3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR, AS SHOWN IN THE TABLE BELOW U.N.O.

LAP SCHEDULE			
BAR DIA.	LENGTH	BAR DIA.	LENGTH
R6	300	N24	1000
R10	400	N28	1400
N12	500	N32	1800
N16	600	N36	2200
N20	800		

- R4 WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER. WHERE APPROVED, WELDING MUST COMPLY WITH AS1554.3 STANDARD STEEL WELDING, PART 3 : WELDING OF REINFORCING STEEL. NO WELDING IS ALLOWED WITHIN 120mm OF BENDS.
- R5 WHERE TRANSVERSE TIE BARS ARE NOT SHOWN PROVIDE N12-300 SPLICED WHERE NECESSARY AND LAP WITH MAIN BARS 400 mm UNLESS NOTED.
- R6 ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1 METRE CENTRES BOTH WAYS, AND 800 EACH WAY FOR FABRIC. WHEN POURED ON GROUND AS FORMWORK PROVIDE PLATES UNDER ALL BAR CHAIRS. PLASTIC TIPPED STEEL CHAIRS SHALL NOT BE USED ON EXPOSED FACES IN EXPOSURE CLASSIFICATION B1, B2 AND C ONLY PLASTIC OR CONCRETE CHAIRS.
- R7 SITE BENDING OF REINFORCEMENT SHALL BE AVOIDED IF POSSIBLE. WHERE SITE BENDING IS UNAVOIDABLE IT SHALL BE CARRIED OUT COLD, WITHOUT THE APPLICATION OF HEAT, AND IN ACCORDANCE WITH THE PRACTICE NOTE RPN1 OF THE STEEL REINFORCEMENT INSTITUTE OF AUSTRALIA. REINFORCEMENT SHALL NOT BE REBENT WITHOUT APPROVAL OF THE SUPERINTENDENT.
- R8 THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL HAS BEEN OBTAINED FROM THE STRUCTURAL ENGINEER.

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1	19.06.2020	ISSUED FOR CLIENT APPROVAL			

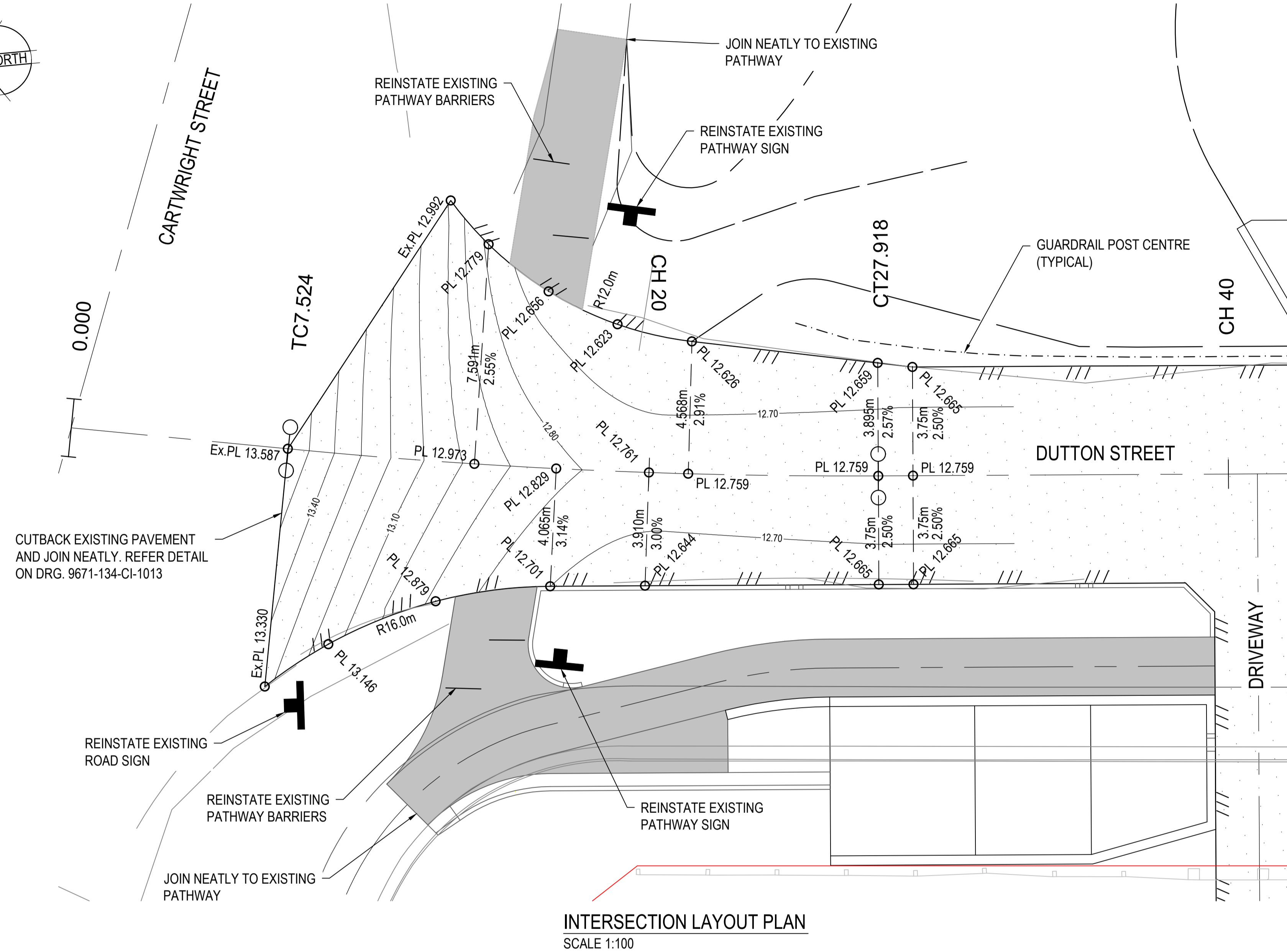
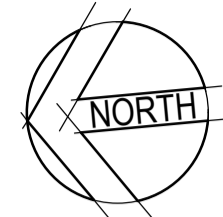


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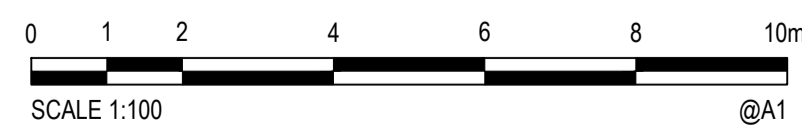
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Checked	Date	Project
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Designed	Date	Drawing Number
s.47F	19.06.2020	9671-134-CI-1013
Verified	Date	Revision
s.47F	19.06.2020	2
Approved	Date	
RPEQ, 10801	19.06.2020	

Project			
PALM CREEK CULVERT CROSSING			
DUTTON STREET, INGHAM			
Title			
MISCELLANEOUS DETAILS AND CONCRETE NOTES			

Status			
FOR CONSTRUCTION			
Datum	GRID	Scale	Size
AHD		AS SHOWN	A1
Drawing Number			Revision
9671-134-CI-1013			2



INTERSECTION LAYOUT PLAN
 SCALE 1:100



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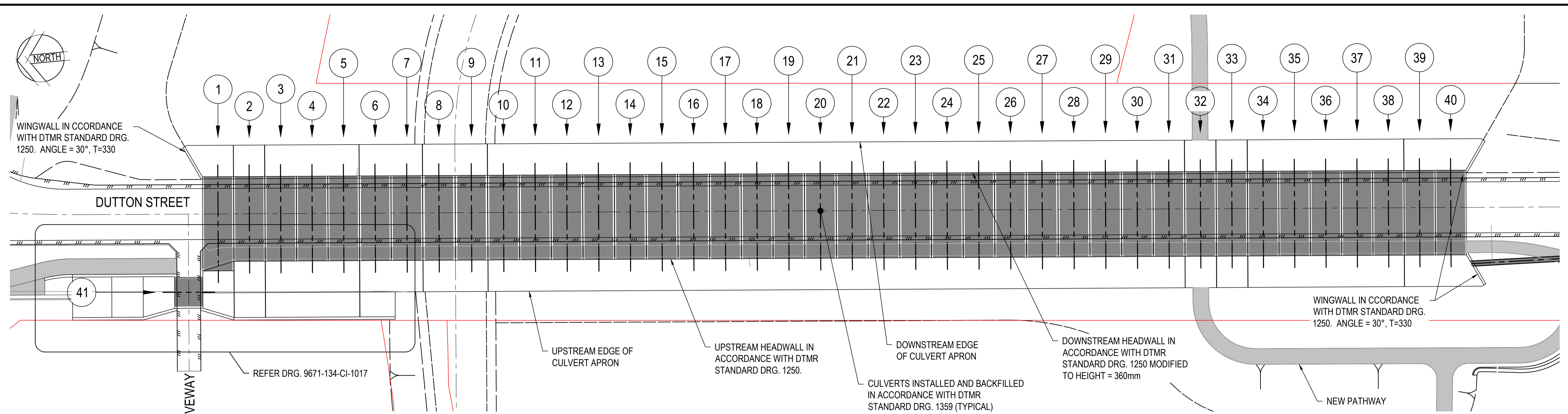
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Verified	s 47F	Date	19.06.2020
Approved	RPEQ, 10801	Date	19.06.2020

Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	INTERSECTION DETAILS

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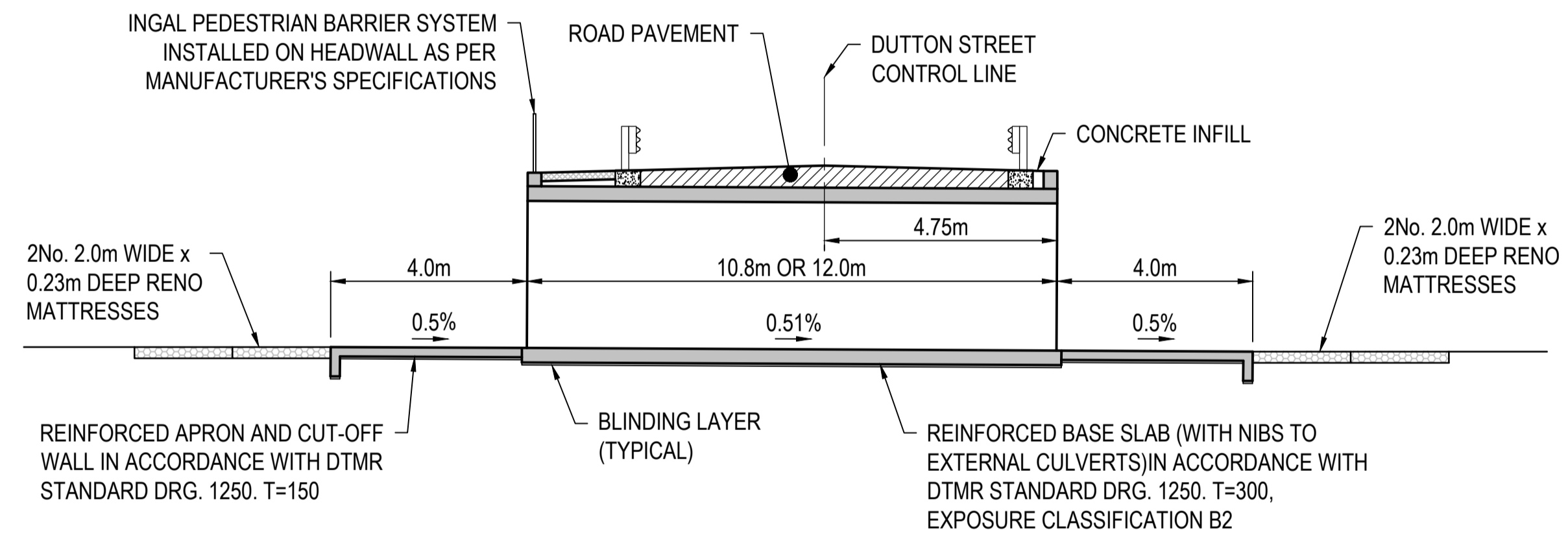
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1	19.06.2020	ISSUED FOR CLIENT APPROVAL			

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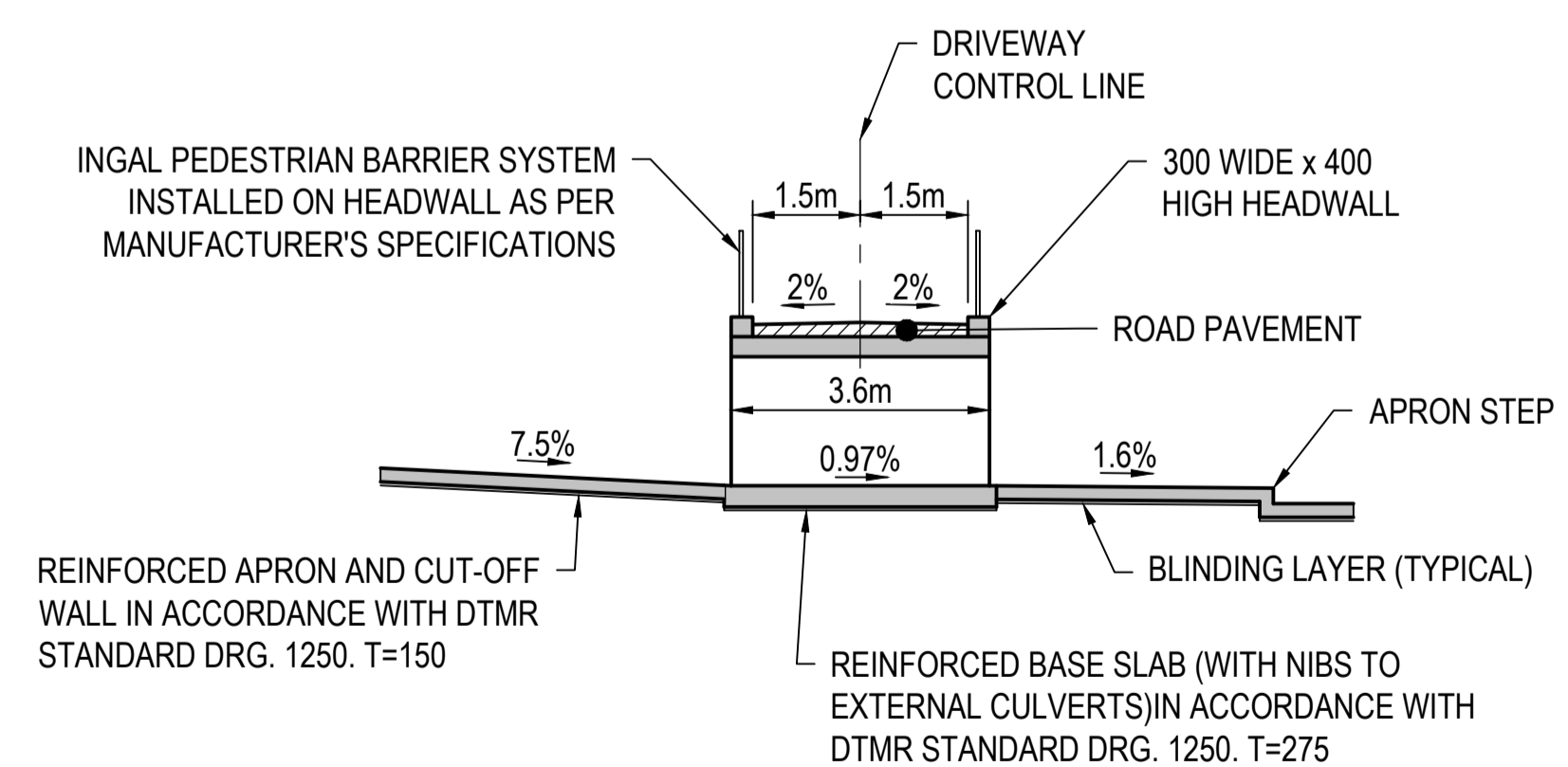


CULVERT LAYOUT PLAN
SCALE 1:250

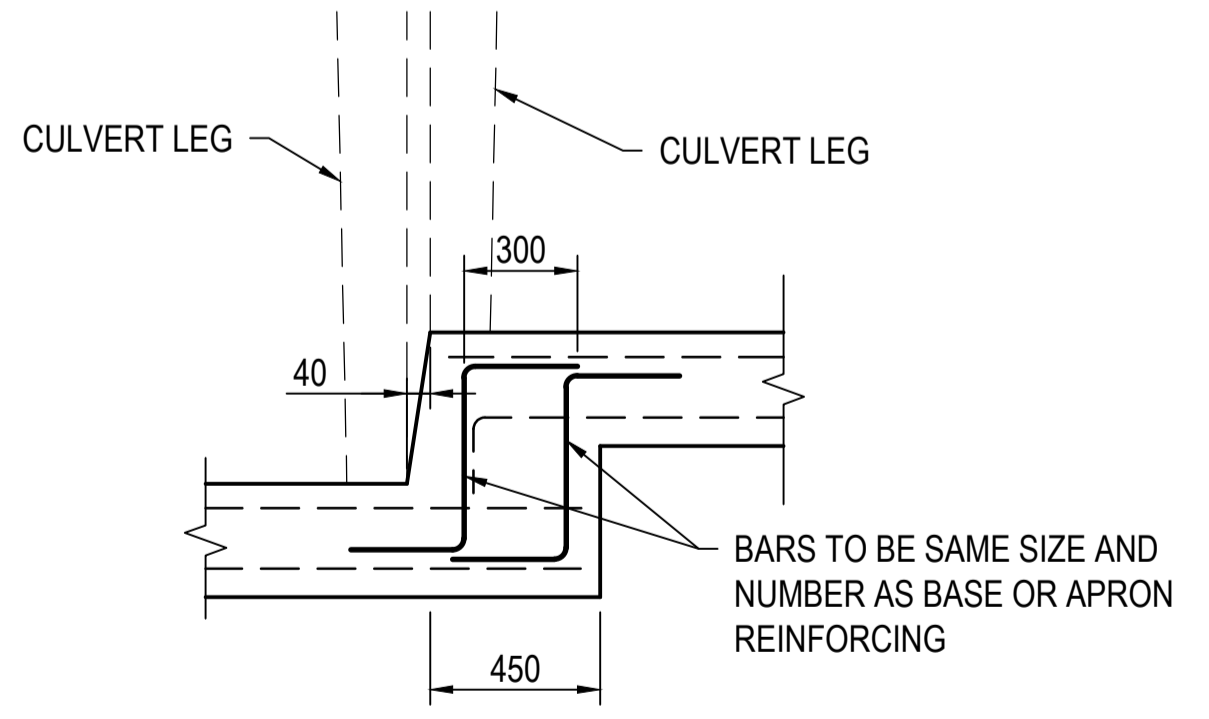
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1	3600x1800 RCBC	44.784	10.265	10.215	12.00m @ 0.50%	N/A	10.185
2	3600x2100 RCBC	48.772	9.960	9.905	10.80m @ 0.51%	9.980	9.885
3	3600x2400 RCBC	52.770	9.650	9.595	10.80m @ 0.51%	9.670	9.575
4	3600x2400 RCBC	56.778	9.650	9.595	10.80m @ 0.51%	9.670	9.575
5	3600x2400 RCBC	60.786	9.650	9.595	10.80m @ 0.51%	9.670	9.575
6	3600x2700 RCBC	64.808	9.330	9.275	10.80m @ 0.51%	9.350	9.255
7	3600x2700 RCBC	68.844	9.330	9.275	10.80m @ 0.51%	9.350	9.255
8	3600x3000 RCBC	72.931	9.040	8.985	10.80m @ 0.51%	9.060	8.965
9	3600x3000 RCBC	77.069	9.040	8.985	10.80m @ 0.51%	9.060	8.965
10	3600x2700 RCBC	81.156	9.330	9.275	10.80m @ 0.51%	9.350	9.255
11	3600x2700 RCBC	85.192	9.330	9.275	10.80m @ 0.51%	9.350	9.255
12	3600x2700 RCBC	89.228	9.330	9.275	10.80m @ 0.51%	9.350	9.255
13	3600x2700 RCBC	93.264	9.330	9.275	10.80m @ 0.51%	9.350	9.255
14	3600x2700 RCBC	97.300	9.330	9.275	10.80m @ 0.51%	9.350	9.255
15	3600x2700 RCBC	101.336	9.330	9.275	10.80m @ 0.51%	9.350	9.255
16	3600x2700 RCBC	105.372	9.330	9.275	10.80m @ 0.51%	9.350	9.255
17	3600x2700 RCBC	109.408	9.330	9.275	10.80m @ 0.51%	9.350	9.255
18	3600x2700 RCBC	113.444	9.330	9.275	10.80m @ 0.51%	9.350	9.255
19	3600x2700 RCBC	117.480	9.330	9.275	10.80m @ 0.51%	9.350	9.255
20	3600x2700 RCBC	121.516	9.330	9.275	10.80m @ 0.51%	9.350	9.255
21	3600x2700 RCBC	125.552	9.330	9.275	10.80m @ 0.51%	9.350	9.255
22	3600x2700 RCBC	129.588	9.330	9.275	10.80m @ 0.51%	9.350	9.255
23	3600x2700 RCBC	133.624	9.330	9.275	10.80m @ 0.51%	9.350	9.255
24	3600x2700 RCBC	137.660	9.330	9.275	10.80m @ 0.51%	9.350	9.255
25	3600x2700 RCBC	141.696	9.330	9.275	10.80m @ 0.51%	9.350	9.255
26	3600x2700 RCBC	145.732	9.330	9.275	10.80m @ 0.51%	9.350	9.255
27	3600x2700 RCBC	149.768	9.330	9.275	10.80m @ 0.51%	9.350	9.255
28	3600x2700 RCBC	153.804	9.330	9.275	10.80m @ 0.51%	9.350	9.255
29	3600x2700 RCBC	157.840	9.330	9.275	10.80m @ 0.51%	9.350	9.255
30	3600x2700 RCBC	161.876	9.330	9.275	10.80m @ 0.51%	9.350	9.255
31	3600x2700 RCBC	165.912	9.330	9.275	10.80m @ 0.51%	9.350	9.255
32	3600x2400 RCBC	169.934	9.650	9.595	10.80m @ 0.51%	9.670	9.575
33	3600x2100 RCBC	173.932	9.960	9.905	10.80m @ 0.51%	9.980	9.885
34	3600x1800 RCBC	177.920	10.260	10.205	10.80m @ 0.51%	10.280	10.185
35	3600x1800 RCBC	181.908	10.260	10.205	10.80m @ 0.51%	10.280	10.185
36	3600x1800 RCBC	185.896	10.260	10.205	10.80m @ 0.51%	10.280	10.185
37	3600x1800 RCBC	189.884	10.260	10.205	10.80m @ 0.51%	10.280	10.185
38	3600x1800 RCBC	193.872	10.260	10.205	10.80m @ 0.51%	10.280	10.185
39	3600x1500 RCBC	197.848	10.555	10.500	10.80m @ 0.51%	10.575	10.480
40	3600x1500 RCBC	201.812	10.555	10.500	10.80m @ 0.51%	10.575	10.480
41	3600x1800 RCBC	9.950	10.300	10.265	3.60m @ 0.97%	10.600	10.200



TYPICAL SECTION - DUTTON STREET CULVERTS
SCALE 1:100



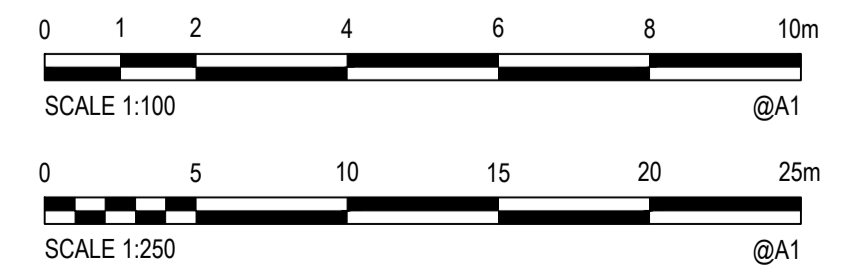
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TYPICAL STEPPED APRON/BASE SLAB DETAIL
NOT TO SCALE

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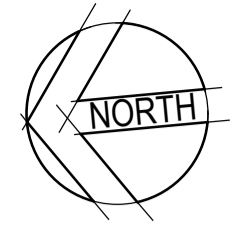
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Designed	s 47F	Date	19.06.2020
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Approved	RPEQ 10801	Date	19.06.2020

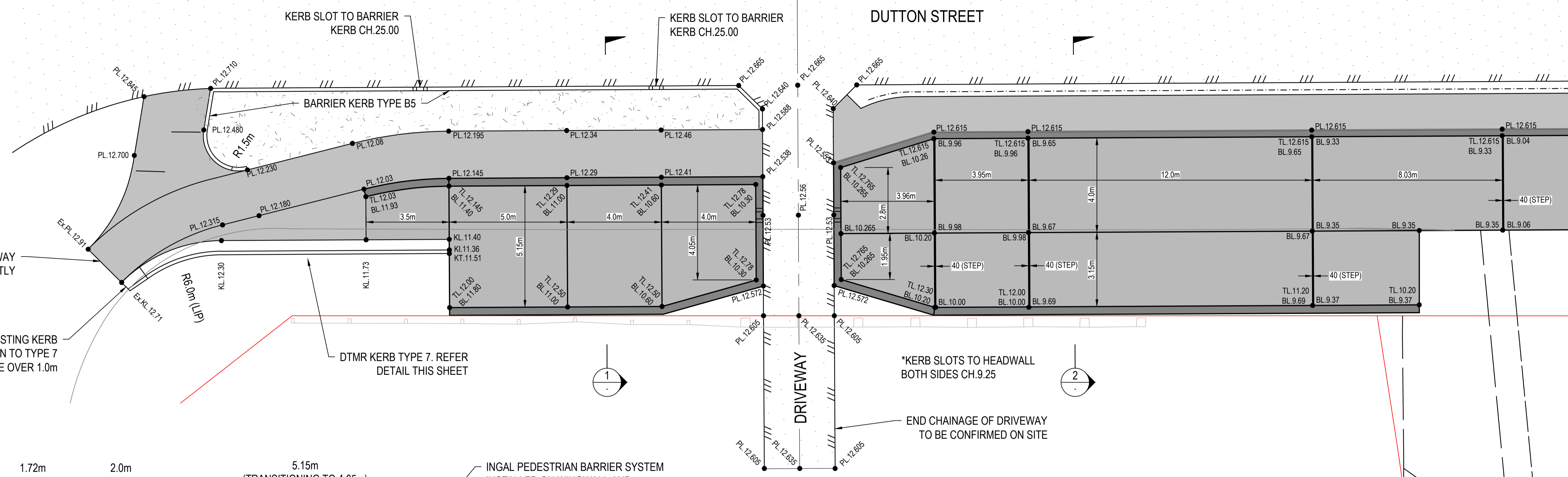
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Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	CULVERT SCHEDULE AND LAYOUT PLAN

Status	FOR CONSTRUCTION			
Datum	AHD	GRID	Scale	AS SHOWN
Drawing Number	9671-134-CI-1016			Revision
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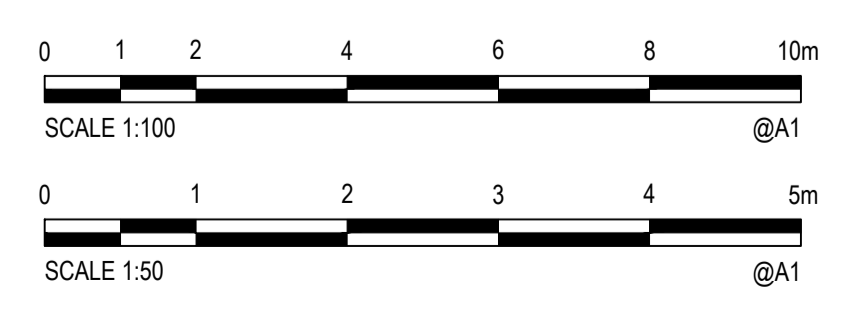
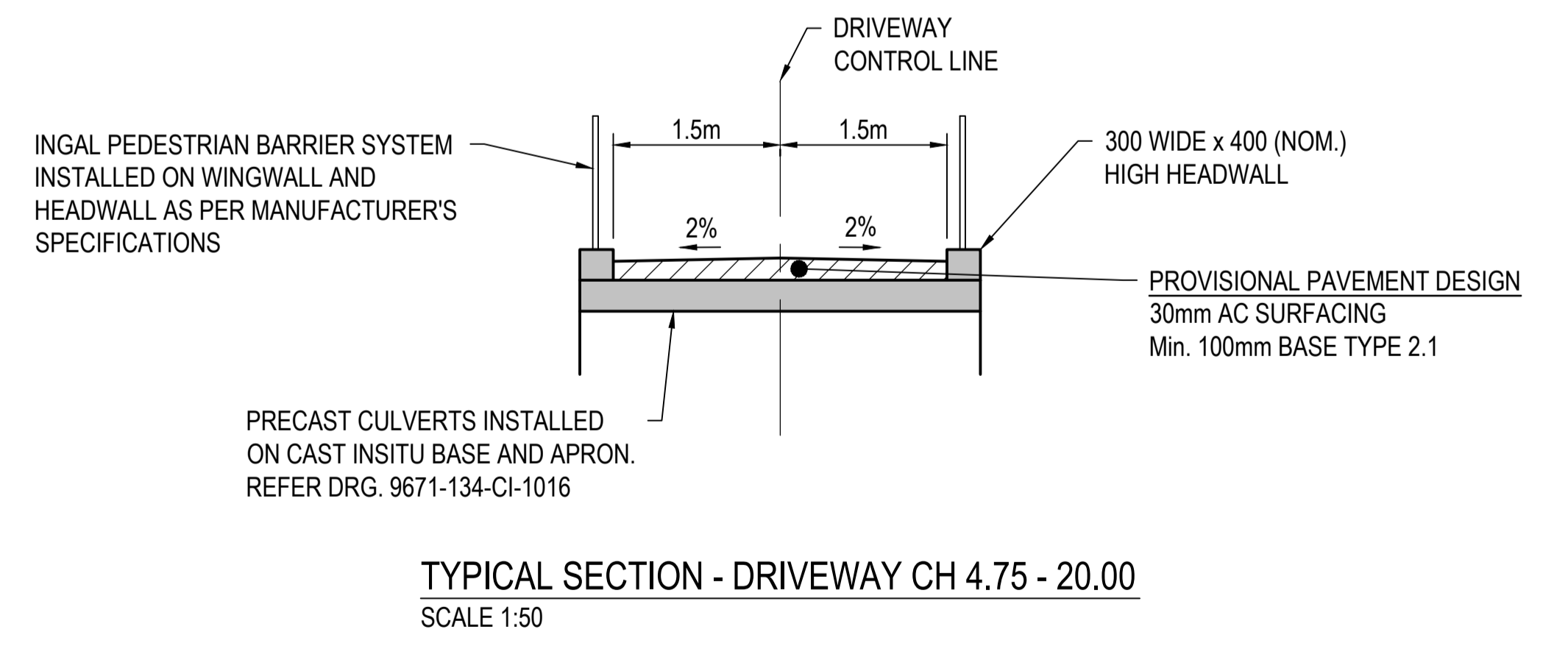
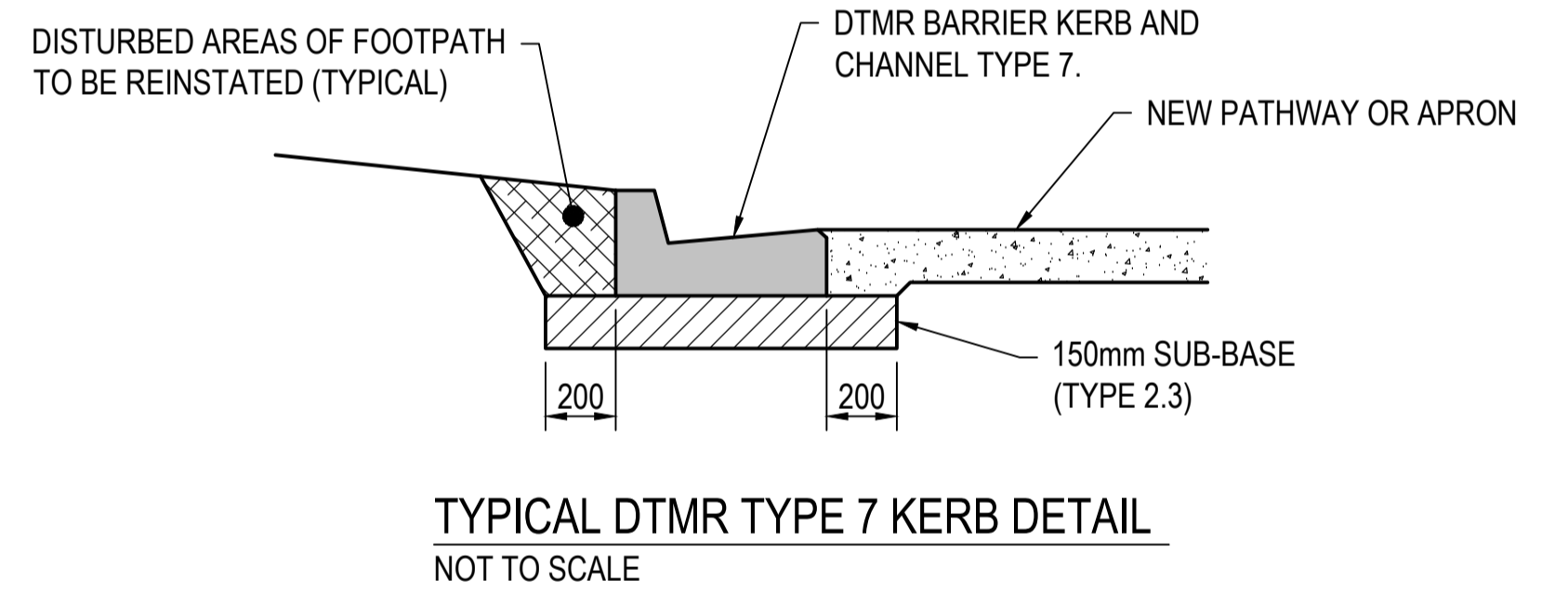
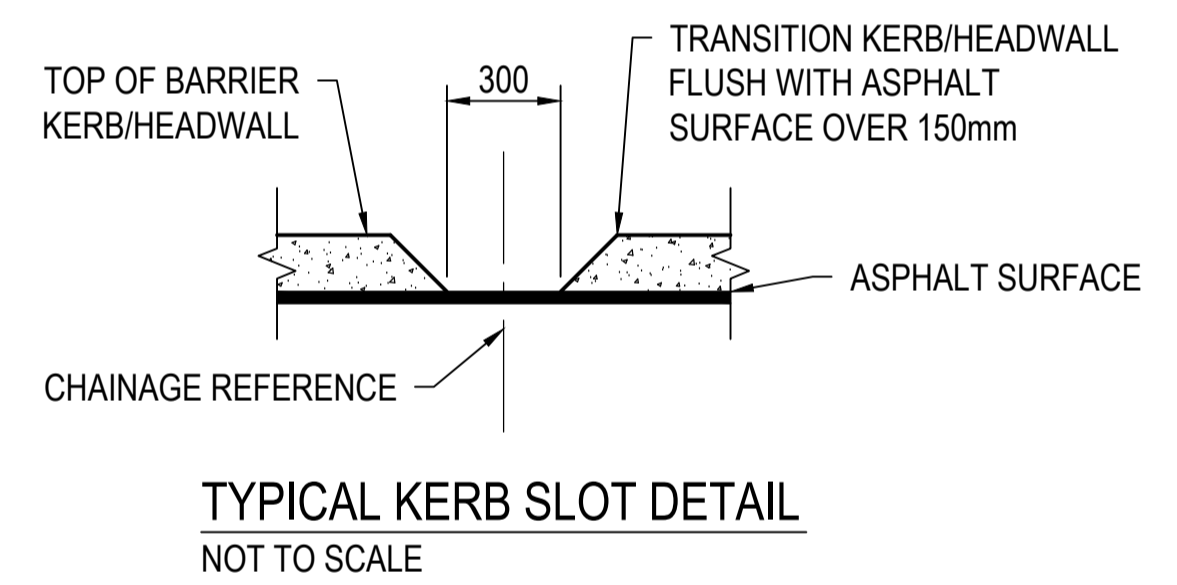
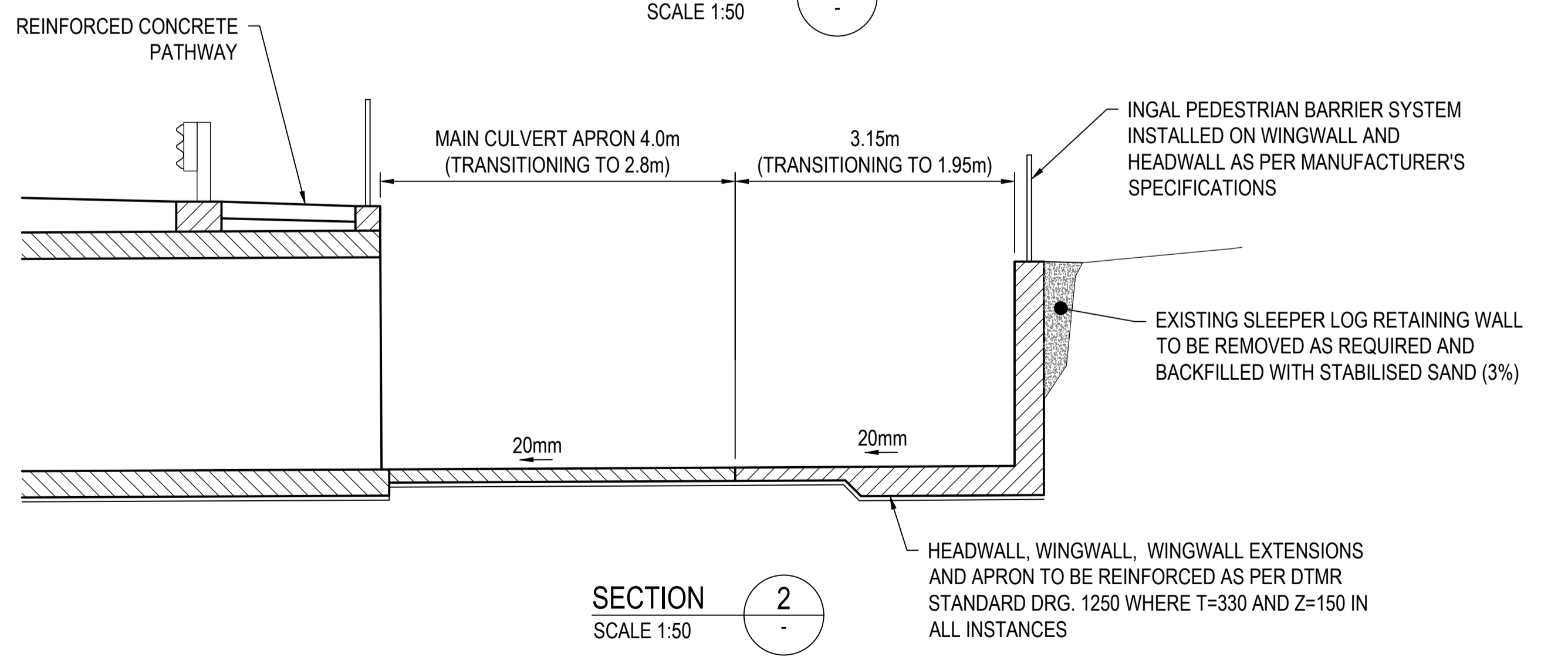
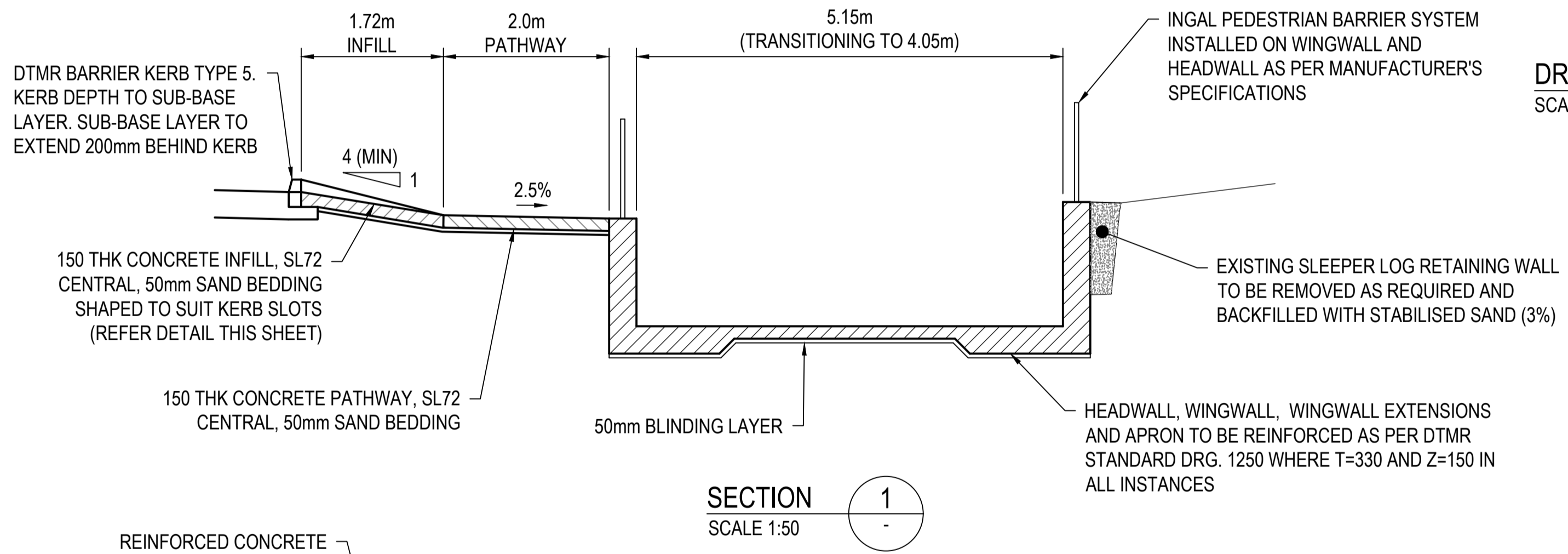
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ABBREVIATIONS
 BL= BASE LEVEL
 TL= TOP WALL LEVEL
 PL=PATH/PAVEMENT LEVEL
 KL=KERB LIP LEVEL
 KI=KERB INVERT LEVEL
 KT=KERB TOP LEVEL



DRIVEWAY CULVERT LAYOUT PLAN
SCALE 1:100



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Approved	RPEQ, 10801	Date	19.06.2020

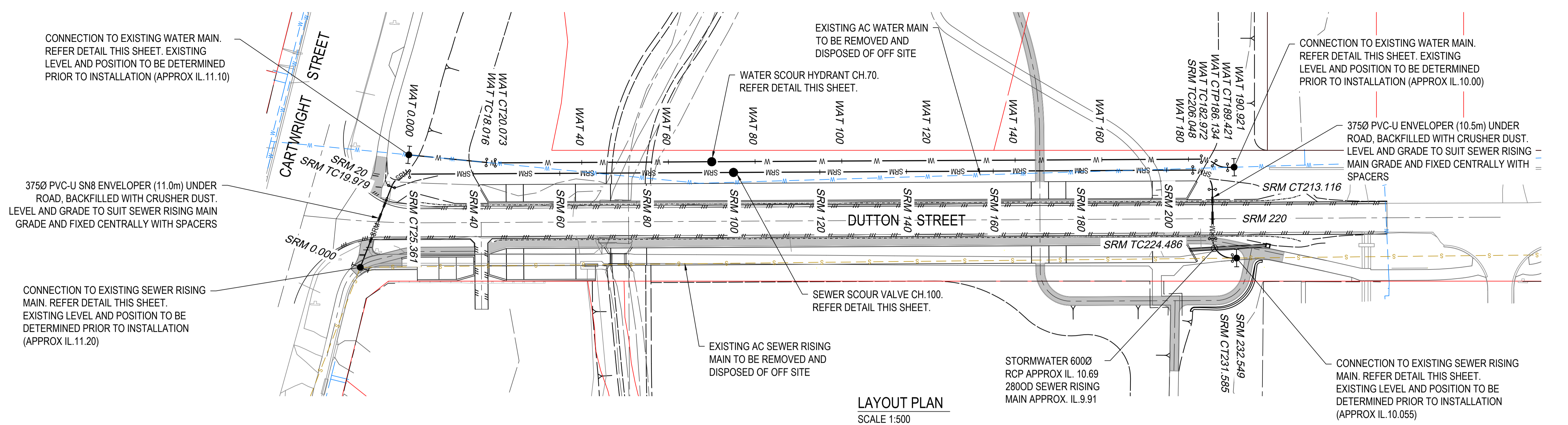
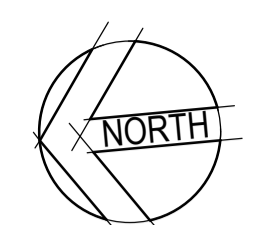
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Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	DRIVEWAY ACCESS LAYOUT PLAN AND DETAILS

Status				FOR CONSTRUCTION			
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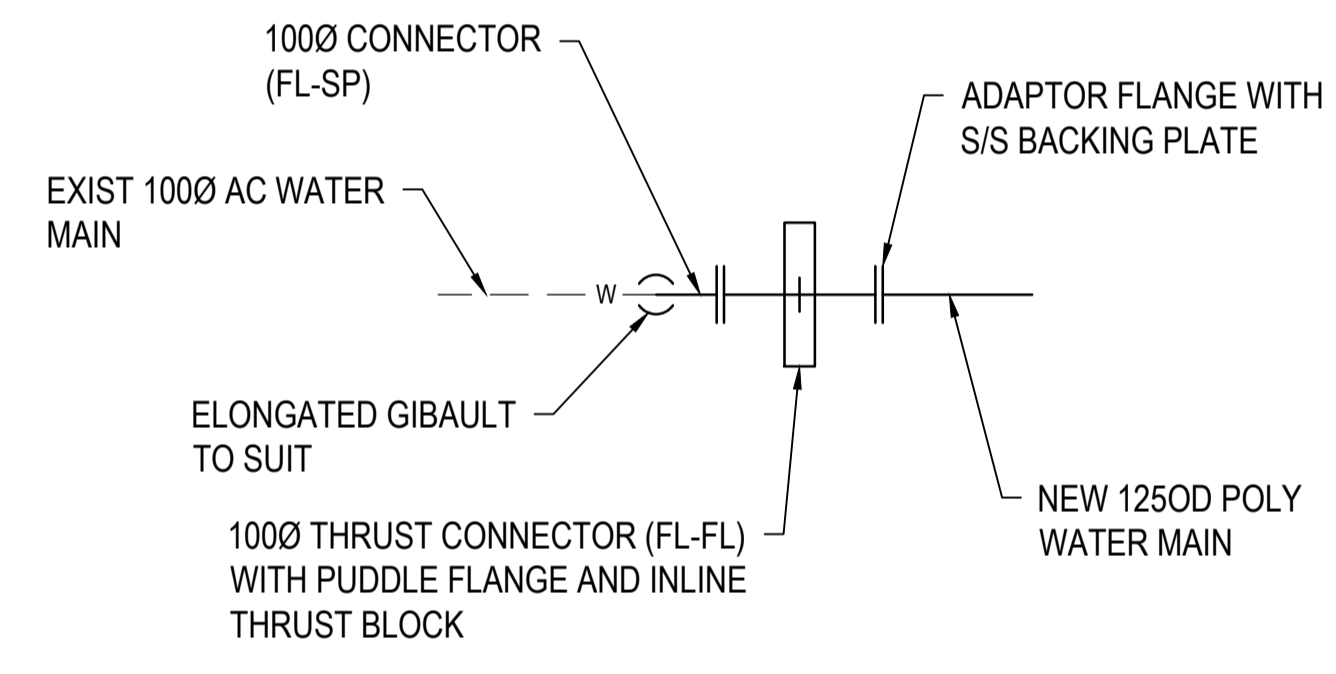
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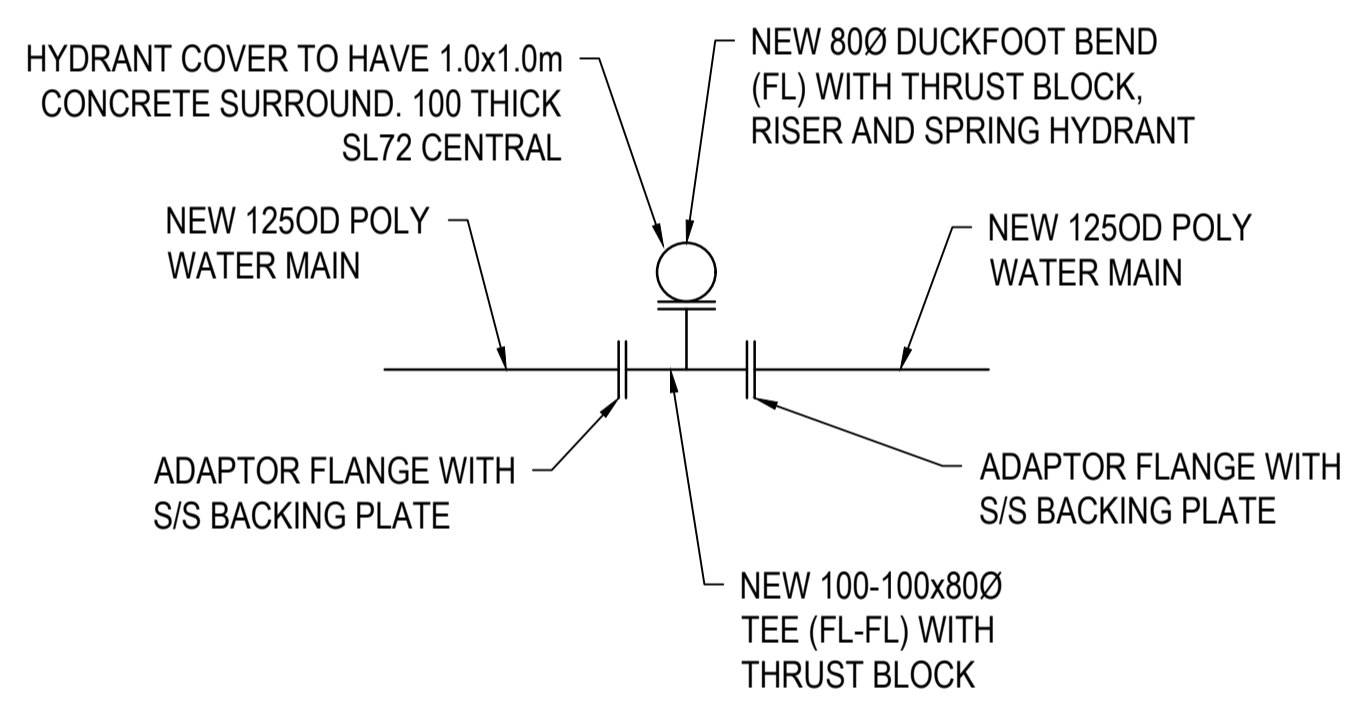
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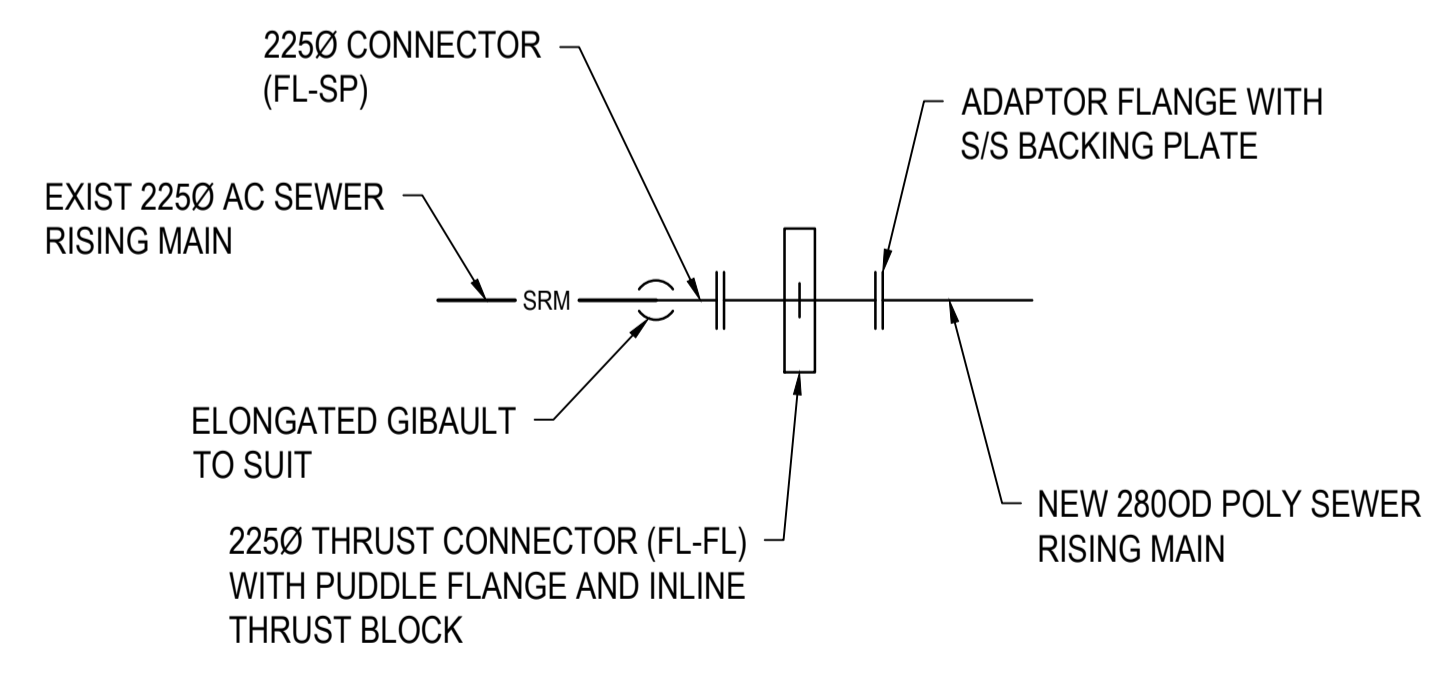
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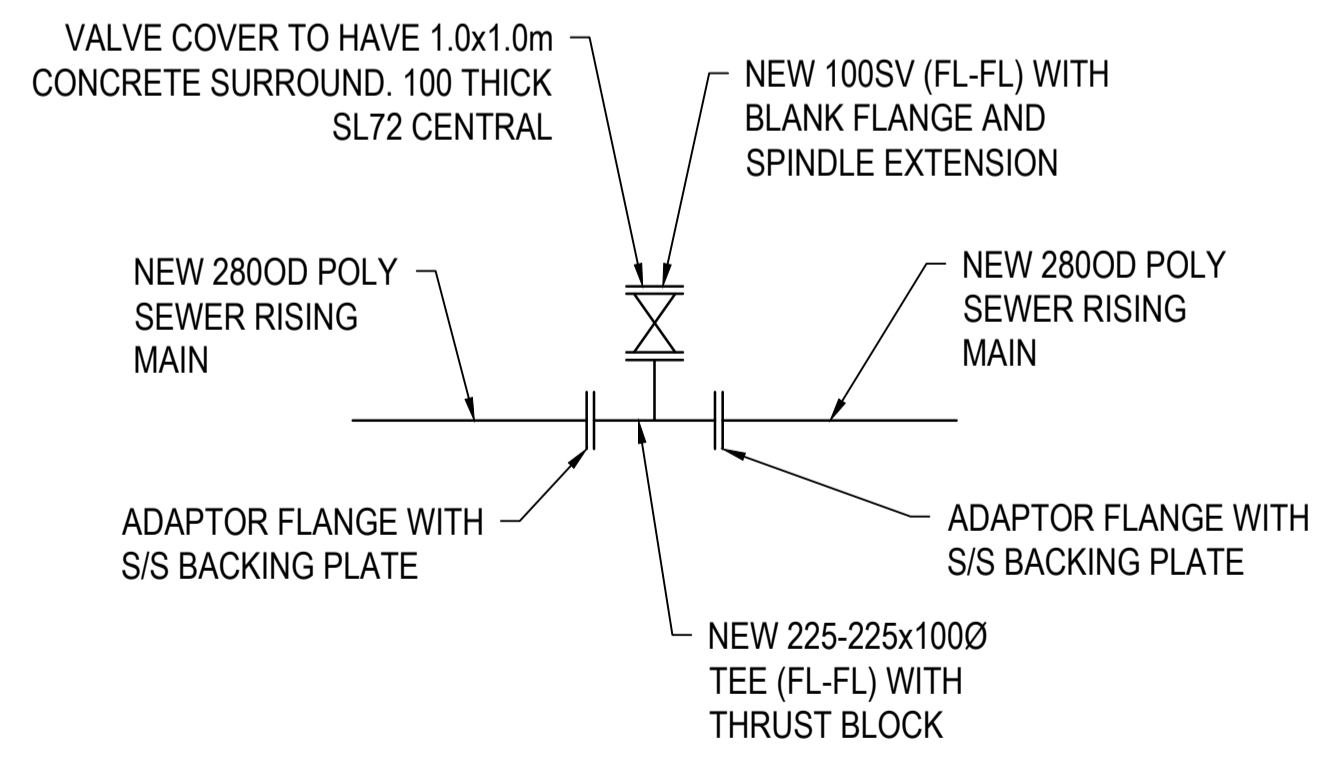
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NOT TO SCALE



WATER MAIN SCOUR HYDRANT DETAIL
NOT TO SCALE



TYPICAL DETAIL - SEWER RISING MAIN CONNECTION
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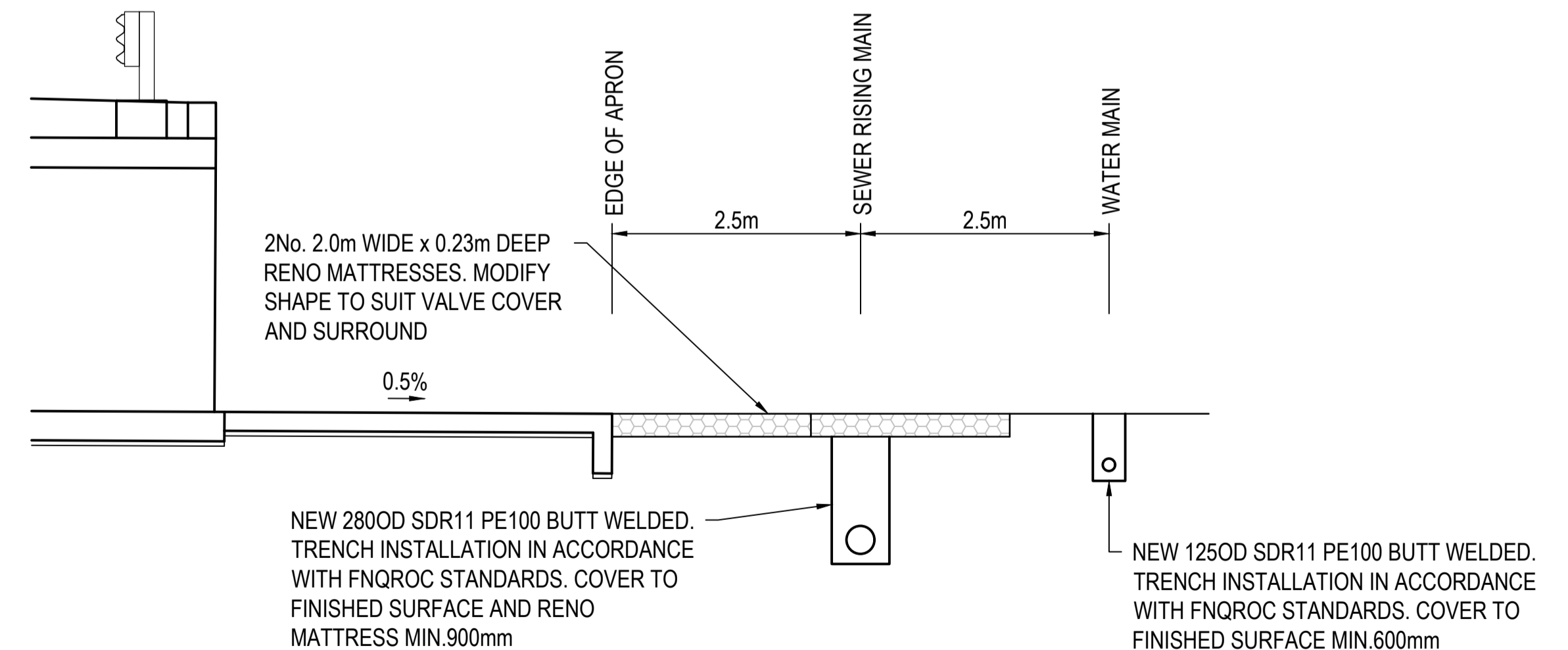
SEWER RISING MAIN SCOUR VALVE DETAIL
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WATER MAIN SETOUT DETAILS				
CHAINAGE	EASTING	NORTHING	DEP. RAD	DEP. LEN
0.000	412023.916	7937696.598		18.016
18.016	412020.509	7937678.907	-20.000	2.057
20.073	412020.225	7937676.871		162.899
182.972	412006.000	7937514.595	5.000	3.162
186.134	412004.778	7937511.735	-5.000	3.286
189.421	412003.548	7937508.751		1.500
190.921	412003.454	7937507.254		

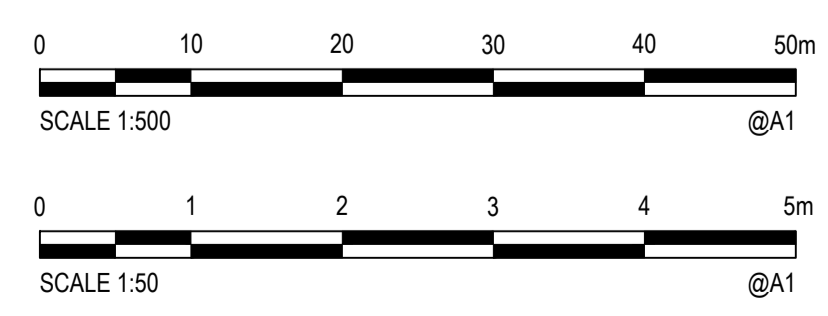
SEWER RISING MAIN SETOUT DETAILS				
CHAINAGE	EASTING	NORTHING	DEP. RAD	DEP. LEN
0.000	411999.103	7937710.131		19.979
19.979	412016.986	7937701.223	4.500	5.382
25.361	412019.462	7937696.802		180.687
206.048	412003.684	7937516.805	4.500	7.069
213.116	411998.808	7937512.715		11.369
224.486	411987.483	7937513.708	-4.500	7.099
231.585	411982.604	7937509.588		0.964
232.549	411982.527	7937508.627		

WATER MAIN LEVEL DETAILS		
CHAINAGE	HEIGHT	GRADE
0.000	Ex.11.100	-16.00%
15.000	8.700	-1.40%
40.000	8.350	-0.50%
70.000	8.200	0.50%
140.000	8.550	1.50%
180.000	9.150	7.80%
190.921	Ex.10.000	7.80%

SEWER RISING MAIN LEVEL DETAILS		
CHAINAGE	HEIGHT	GRADE
0.000	Ex.11.200	-3.00%
20.000	10.600	-8.50%
40.000	8.900	-3.00%
60.000	8.300	-1.00%
100.000	7.900	0.50%
160.000	8.200	2.50%
232.549	Ex.10.055	2.60%



TYPICAL WATER / SEWER RISING MAIN ARRANGEMENT
SCALE 1:50



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Client	HINCHINBROOK SHIRE COUNCIL
Project	PALM CREEK CULVERT CROSSING DUTTON STREET, INGHAM
Title	WATER AND SEWERAGE LAYOUT PLAN AND DETAILS

Status	FOR CONSTRUCTION			
Datum	AHD	GRID	Scale	AS SHOWN
Drawing Number	9671-134-CI-1018			Revision
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2	01.09.2020	FOR CONSTRUCTION			s 47F
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National Flood Mitigation Infrastructure Program

Queensland Applications

Thank you for the opportunity to provide additional information to support Queensland's applications under the National Flood Mitigation Infrastructure Program.

The following elements have been addressed:

1. Prioritisation
2. Consultation (refer Table 1)
3. Purpose and Outcomes (refer Table 1)
4. Other project clarification

1 – Prioritisation

Queensland has prioritised National Flood Mitigation Infrastructure Program projects using the [Queensland Disaster Resilience and Mitigation Investment Framework](#), which recognises national and international disaster risk reduction, mitigation and adaptation approaches, including the Sendai Framework for Disaster Risk Reduction and the National Risk Reduction Framework and relevant implementation materials such as the [Guidance for Strategic Decisions on Climate and Disaster Risk \(Guidance on Prioritisation\)](#).

The key considerations from the Framework are:

- Issue identification
- Alignment to broader government policy
- Cost-benefit analysis
- Evidence base
- Community benefits realisation
- Collaboration
- Innovation.

Below is Queensland's prioritised list:

1. s 47E(d)
2. Flood Warning Infrastructure Network - State-wide roll out
3. Dutton Street Bridge (Palm Creek Crossing), Ingham
4. s 47E(d)
5. Callendar Park Stormwater, Innisfail
6. s 47E(d)
7. Adavale Black Road, Quilpie
8. Pioneer River (Fursden Creek) Levee, Mackay
9. Armstrong Creek Causeway, Normanton to Burketown
10. s 47E(d)
11. Up River Road Causeway, Bowen
12. South Mitchell Road and Pormpuraaw Road – Concrete Causeways, Kowanyama
13. Granada Road Seal Extension, Cloncurry
14. Coalbrook Road culverts, Richmond Shire
15. s 47E(d)
16. Kerb and channel to town streets, Palm Island
17. Floraville and Truganini Roads Upgrades, Burketown to Normanton
18. Cullen Point Barge Ramp Rock Wall, Mapoon
19. Burke Development Road
20. Gregory Downs to Camooweal Road, Mount Isa

Background

In 2019, the Queensland Reconstruction Authority (QRA), in consultation with a range of government and industry stakeholders, developed the [Queensland Disaster Resilience and Mitigation Investment Framework](#) (the Framework). The Framework provides guidance on effective investment decision-making and prioritisation to support disaster resilience and mitigation across Queensland.

The Framework embraces the guiding principles of the [Queensland Strategy for Disaster Resilience 2017](#) (QSDR) and enables the four QSDR objectives:

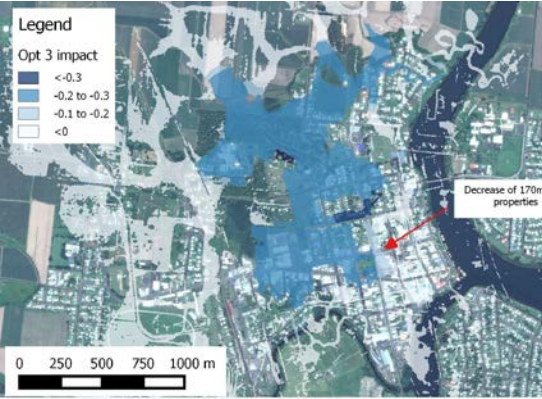
1. Queenslanders understand their disaster risk
2. Strengthened disaster risk management
3. Queenslanders are invested in disaster risk reduction
4. There is continuous improvement in disaster preparedness, response and recovery.

Table 1: Additions for Consultation; and Purpose and Outcomes

Location (LGA) and Project description	Elements for clarification: Consultation; and Purpose and Outcomes	
Project	Consultation (clause 5.5)	Purpose and Outcomes (clause 2.3)
ALL PROJECTS	<p>It is imperative to note that some projects do not lend themselves to community consultation (e.g. culvert upgrades, bitumen seal), however, all projects have been identified as priorities by the relevant council to the Queensland Government, through QRA.</p>	<p>In relation to the below outcome “reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018”, the below information can be applied to all projects:</p> <ul style="list-style-type: none"> Investment in mitigation has proven to reduce risk to the community and reduce reconstruction costs from future events. Mitigation projects have resulted in communities being less vulnerable to flooding events, assets functioning sooner and expenditure under the DRFA reduced for future events. An upfront investment of approximately \$90 million through the Queensland Betterment Fund to assets that have been impacted by subsequent events has seen more than \$145 million in avoided reconstruction costs under the DRFA, as well as improvements to community connectedness, with some assets that previously took months to return to functionality returning as soon as waters receded.

s 47E(d)

Location (LGA) and Project description	Elements for clarification: Consultation; and Purpose and Outcomes	
Project	Consultation (clause 5.5)	Purpose and Outcomes (clause 2.3)
	<p>s 47E(d)</p>	
Cassowary Coast Regional Council	<p>Addition: In January 2018 Cassowary Coast Regional Council received a report compiling a list of priorities for stormwater drainage</p>	<p>Addition: The Callendar Park Stormwater upgrade will result in:</p>

Location (LGA) and Project description	Elements for clarification: Consultation; and Purpose and Outcomes	
Project	Consultation (clause 5.5)	Purpose and Outcomes (clause 2.3)
<p>Callendar Park Stormwater</p>	<p>infrastructure. Council discussed the list of priorities with QRA in July 2020 as part of discussions around making an application to the QRRRF.</p> <p>An application was not made for QRRRF but Council continued discussions with QRA on the priority of Callendar Park and potential funding opportunities. When QRA contacted CCRC about the NFMIP they put forward the Callendar Park project.</p>	<ul style="list-style-type: none"> • a reduction in the impact of future floods on Innisfail, particularly areas around the CBD; • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018; and • ancillary to the above, local job creation. <p>Flood modelling results, obtained from the Innisfail CBD Master Drainage Study (BMT WBM, 2015), indicates that this culvert is an important drainage pathway for flood waters accumulating in areas west of the Innisfail CBD.</p> <p>Replacement of the existing RCBC with 2x3000x1800 RCBCs effectively doubles the waterway area compared to the existing culvert. Figure 1 below shows the change in peak water surface level in a 1% AEP event. This will result in a decrease in levels (up to 170mm) at properties upstream of the culvert, and no identified worsening in any location.</p> <p>Figure</p> 
<p>Hinchinbrook Shire Council</p> <p>Dutton Street Bridge (Palm Creek Crossing)</p>	<p>Addition:</p> <p>In May 2020, Hinchinbrook Shire Council provided QRA with a list of priority projects, including the Dutton Street bridge. Hinchinbrook reconfirmed its commitment to delivering this important project in early 2021.</p> <p>The North-South Solution Feasibility Study was funded under the 2014-2015 Natural</p>	<p>Addition:</p> <p>The Dutton Street Bridge will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Ingham, • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018; and • ancillary to the above, local job creation.

Location (LGA) and Project description	Elements for clarification: Consultation; and Purpose and Outcomes	
Project	Consultation (clause 5.5)	Purpose and Outcomes (clause 2.3)
	<p>Disaster Resilience Program. As part of this study, Hinchinbrook Shire Council undertook extensive consultation with key stakeholders, including community members. The Dutton Street Bridge detailed design project was fully funded by the Queensland Government.</p>	

s 47E(d)



<p>Various Councils (Queensland Reconstruction Authority)</p> <p>Flood Warning Infrastructure Network</p>	<p>Letters of support sent with application</p>	<p>Addition: The Flood Warning Infrastructure Network will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on South and South West Queensland flood-prone communities • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018; and • ancillary to the above, local job creation.
<p>Other projects</p>		
<p>Burke Shire Council</p> <p>Floraville and Truganini Roads Upgrades</p>	<p>Addition: Burke Shire Council has previously applied for Betterment following the Monsoon Trough Event for Floraville Road. The Betterment fund was oversubscribed and BSC was unsuccessful. BSC has continued to seek funding to upgrade Floraville and Truganini Roads and when NFMIP was raised with BSC, they proposed this project as a priority.</p>	<p>Addition: The Floraville and Truganini Roads Upgrades will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Burketown and Normanton • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Carpentaria Shire Council</p> <p>Armstrong Creek Causeway</p>	<p>Addition: Carpentaria Shire Council applied for funding for the Armstrong Creek Causeway under the 19/20 QRRRF. The QRRRF was heavily oversubscribed and CSC was unsuccessful. CSC has continued to seek funding for the Armstrong Creek Causeway and when NFMIP was raised with CSC, they proposed this project as a priority.</p>	<p>Addition: The Armstrong Creek Causeway will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Normanton • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Cloncurry Shire Council</p> <p>Granada Road Seal Extension</p>	<p>Addition: Cloncurry Shire Council applied for funding for the Granada Road Seal Extension under the 19/20 QRRRF. The QRRRF was heavily oversubscribed and CSC was unsuccessful. CSC has continued to seek funding for the Granada Road Seal Extension and when NFMIP was raised with CSC, they proposed this project as a priority.</p>	<p>Addition: The Granada Road Seal Extension will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Cloncurry • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.

s 47E(d)

<p>Kowanyama Aboriginal Shire Council</p> <p>South Mitchell Road and Pormpuraaw Road - Concrete Causeways</p>	<p>Addition: Kowanyama Aboriginal Shire Council has previously applied for Betterment under the Monsoon Trough Event for South Mitchell Road and Pormpuraaw Road - Concrete Causeways.</p> <p>The Betterment fund was oversubscribed and KASC was unsuccessful. KASC has continued to seek funding to upgrade South Mitchell Road and Pormpuraaw Road - Concrete Causeways and when NFMIP was raised with BSC, they proposed this project as a priority.</p>	<p>Addition: The South Mitchell Road and Pormpuraaw Road - Concrete Causeways will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Kowanyama • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Mackay Regional Council</p> <p>Pioneer River (Fursden Creek) Levee</p>	<p>Addition: Final design deliverables were received for the Pioneer River Levee (Valetta Gardens/Rivers Edge reach) being a gap in the levee system protecting North Mackay from river flooding. This project has been a long time in preparation. Two on-site public consultation meetings were held with detailed design outcomes presented at Seagull St and Seaforth.</p>	<p>Recommended addition: The Pioneer River (Fursden Creek) Levee will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on a Mackay • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • addressing relevant household government insurance affordability as a result of the improvement or construction of the flood mitigation infrastructure • ancillary to the above, local job creation. <p>In Queensland, flood mitigation investments in Roma and St George have shown a net benefit of \$64.7 million and \$25.7 million, respectively, over the next 50 years, and have led to insurance premiums in these communities lowered by amounts exceeding 50 per cent, and in some cases 90 per cent (Financial Review, Apr 23, 2017).</p> <p>Bundaberg has suffered significant flood impacts in the past from the Burnett River. The last flood event occurred in 2013 with an insured loss of \$987 million, the majority of which was centered on Bundaberg.</p>

		<p>Flooding is considered relevant in 10,376 building policies in Bundaberg where the median premium is \$1307.</p> <p>Measures to reduce the flood frequency or flood depth for exposed residents would assist to compress premiums. Bundaberg Regional Council (BRC), in concert with the Queensland Government, has developed a comprehensive 10yr Action Plan to reduce flood risk.</p> <p>The plan includes permanent mitigation works to protect targeted areas in the catchment. Removing high flood risks for residents could result in an average premium reduction of \$349 (27%) for those residents (Insurance Council of Australia, Mitigation and Policy-in-Force Analysis, REPORT 20/12/19).</p>
<p>Mapoon Aboriginal Shire Council</p> <p>Cullen Point Barge Ramp Rock Wall</p>	<p>Addition: Mapoon Aboriginal Shire Council has been successful in grant applications for the design and some construction aspects of this project.</p>	<p>Addition: The Cullen Point Barge Ramp upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods Mapoon • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Mareeba Shire and Carpentaria Shire (Department of Transport and Main Roads)</p> <p>Burke Development Road</p>	<p>Addition: As part of its regional road prioritisation, Department of Transport and Main Roads undertakes extensive consultation with key stakeholders, including councils through regional road transport groups.</p>	<p>Recommended addition: The Burke Development Road upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Normanton • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Mount Isa City Council (Department of Transport and Main Roads)</p> <p>Gregory Downs to Camooweal Road</p>	<p>Addition: As part of its regional road prioritisation, Department of Transport and Main Roads undertakes extensive consultation with key stakeholders, including councils through regional road transport groups.</p>	<p>Recommended addition: The Gregory Downs to Camooweal Road upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Camooweal, Mt Isa and Burketown. • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.

<p>Palm Island Aboriginal Shire Council</p> <p>Kerb and channel to town streets</p>	<p>Addition: Palm Island Aboriginal Shire Council notified QRA in January 2021 that this project was a priority.</p>	<p>Recommended addition: The Kerb and channel to town streets upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Palm Island • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018; and • ancillary to the above, local job creation.
<p>Quilpie Shire Council</p> <p>Adavale Black Road</p>	<p>Addition: Quilpie Shire Council notified QRA in January 2021 that works on Adavale Black Road were a priority and was seeking funding to improve mitigation. The road had been damaged and repaired to the existing standard under DRFA (restoration of essential public assets); Quilpie Shire Council was seeking Betterment funding, however, betterment had not been activated for Quilpie.</p>	<p>Recommended addition: The Adavale Black Road upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods Quilpie and Adavale • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation.
<p>Richmond Shire Council</p> <p>Coalbrook Road culverts</p>	<p>Addition: Richmond Regional Council applied for funding for the Coalbrook Road culverts under the 19/20 QRRRF. The QRRRF was heavily oversubscribed and RSC was unsuccessful. RSC has continued to seek funding for the Coalbrook Road culverts and reaffirmed its commitment to this project as a priority in early 2021.</p>	<p>Addition: The Coalbrook Road culverts upgrade will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on Richmond • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018 • ancillary to the above, local job creation

s 47E(d)

<p>Whitsunday Regional Council</p> <p>Up River Road Causeway</p>	<p>Addition: Whitsunday Regional Council identified this project as a priority project to QRA in early 2021.</p>	<p>Addition: The Up River Road Causeway will result in:</p> <ul style="list-style-type: none"> • reduction in the impact of future floods on access to the Bowen Water Treatment Plant; and • reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018;
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4 - Other project clarification

Callender Park Stormwater Project. **Does funding request include the replacement of existing tennis court above the culvert being replaced?**

- Yes, the detailed project description identifies the project will “reinstate impacted assets”. The costing has included the reinstatement of the tennis court above the culvert, including retaining wall construction, fill material under the tennis court, the tennis court slab and furniture (fencing and surfacing)

Pioneer river (Fursden Creek) Levee Project. **Does the funding request include the acquisition of land?**

- No, the acquisition of land has been undertaken at the cost of council with two of the three land acquisitions already complete. The third acquisition is underway and will be undertaken at the cost of council.

From: s 47F
To: [National Flood Mitigation Infrastructure Fund](#)
Cc: [@QRA-Intergov-Relations](#)
Subject: RE: National Flood Mitigation Infrastructure Program - request for further information on applications [SEC=OFFICIAL]
Date: Tuesday, 9 March 2021 6:25:22 PM
Attachments: [image001.png](#)
[image002.png](#)
[Queensland response request for further Information - National Flood M....docx](#)

Good afternoon,

Please find attached additional requested information to support Queensland's applications under the National Flood Mitigation Infrastructure Program.

Please let me know if there are further questions.

Regards

s 47F



s 47F

General Manager
Resilience

Queensland Reconstruction Authority

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M s 47F

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Connect with us via social media – [Facebook](#) [LinkedIn](#) [YouTube](#)

cid:image002.png@01D5FBAF.6504A730



From: National Flood Mitigation Infrastructure Fund [mailto:national.flood.mitigation@homeaffairs.gov.au]
Sent: Wednesday, 3 March 2021 3:08 PM
To: s 47F <@qra.qld.gov.au>
Cc: @QRA-Intergov-Relations <QRAIntergovRelations@qra.qld.gov.au>
Subject: RE: National Flood Mitigation Infrastructure Program - request for further information on applications [SEC=OFFICIAL]

OFFICIAL

Hi s 47F

Thanks for your email.

We note the time pressures. However, the panel is due to meet to review the applications next week. Are you able to provide any interim information by Tuesday next week?

Happy to have a chat about what we require. Please feel free to contact s 47F on s 47F to discuss.

Kind regards,

National Flood Mitigation Infrastructure Program

Emergency Management and Coordination
Department of Home Affairs
national.flood.mitigation@homeaffairs.gov.au

OFFICIAL

From: s 47F <[redacted]@qra.qld.gov.au>
Sent: Tuesday, 2 March 2021 5:01 PM
To: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>
Cc: @QRA-Intergov-Relations <QRAIntergovRelations@qra.qld.gov.au>
Subject: RE: National Flood Mitigation Infrastructure Program - request for further information on applications [SEC=OFFICIAL]

Good afternoon,

Thank you for your email.

We will be able to respond to your request, but note that the timeframe given is inadequate for the level of information required. Additionally, I'm sure that you are aware of the cyclone in the Coral sea that is forecast to intensify into Category 3, and our focus currently is on supporting those communities and others impacted by the six events activated so far this disaster season.

I therefore request your consideration to submit this information by COB Friday 12 March 2021.

Thank you

s 47F



s 47F
General Manager
Resilience
Queensland Reconstruction Authority
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cid:image002.png@01D5FBAF.6504A730



From: National Flood Mitigation Infrastructure Fund [<mailto:national.flood.mitigation@homeaffairs.gov.au>]
Sent: Tuesday, 2 March 2021 2:08 PM
To: s 47F <[redacted]@qra.qld.gov.au>
Subject: National Flood Mitigation Infrastructure Program - request for further information on applications [SEC=OFFICIAL]

OFFICIAL

Good afternoon s 47F

We refer to Queensland's applications for National Flood Mitigation Infrastructure Program (the Program) funding. The applications have had an initial review and we require clarification on a number of elements on these applications, prior to their submission to the Project Review Panel for assessment. Failure to provide the requested information **by COB Friday 5 March 2021** may result in projects being deemed ineligible.

Prioritisation of Projects

In accordance with clause 5.6 of the January 2021 Program Guidelines, each project must be prioritised and the framework for determining this prioritisation provided including evidence of relative priority and why the project has been submitted. ***Can you please provide a copy of Queensland's prioritisation methodology.***

In addition, while Queensland has submitted 20 applications, only 5 (five) have been prioritised. *Only those projects that have been prioritised may be considered by the Panel.* ***Can you please provide a prioritisation of all 20 applications.***

Consultation

In accordance with clause 5.5 of the January 2021 Program Guidelines (attached), there is a requirement for consultation to have been undertaken and evidenced for each specific project. ***Can you please provide evidence of this consultation for all prioritised projects.***

Purpose and Outcomes

Please ensure that all applications that you wish to have assessed sufficiently address clause 2.3 of the Program Guidelines.

Other project clarification

Callender Park Stormwater Project. ***Does funding request include the replacement of existing tennis court above the culvert being replaced?***

Pioneer river (Fursden Creek) Levee Project. ***Does the funding request include the acquisition of land?***

Should you have any questions regarding the above, please don't hesitate to contact us.

Kind regards,

National Flood Mitigation Infrastructure Program

Emergency Management and Coordination

Department of Home Affairs

national.flood.mitigation@homeaffairs.gov.au

OFFICIAL

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s 47F

From: National Flood Mitigation Infrastructure Fund
Sent: Thursday, 27 May 2021 3:59 PM
To: s 47F ; National Flood Mitigation Infrastructure Fund
Cc: s 47F ; @QRA-Intergov-Relations; s 47F
Subject: RE: Outcome: Successful projects for funding under the National Flood Mitigation Infrastructure Program (QLD) [SEC=OFFICIAL]
Attachments: NFMIP_FAQ_Agreements_27 May.docx; Timeline for jurisdictions_27 May.docx; Circulation of feedback.pdf; QLD - FFA Schedule draft 1.DOCX

OFFICIAL

Hi s 47F

We hear your concerns relating to the timeframes and we hope this email will provide clarity. We are writing today to highlight the steps and dates on the path forward, provide you with the draft funding agreements and arrange time for a discussion with you and your colleagues relating to this work.

We are writing to provide you with the arising from the National Flood Mitigation Infrastructure Program, highlight upcoming key dates and arrange time for a discussion relating to this work.

Request to review draft funding agreements

In earlier communication, Home Affairs advised that the funding for these projects will be delivered through the Federation Funding Agreements framework. Funding that your jurisdiction will receive is described in a Schedule to the Federation Funding Agreement – Environment, which is co-signed by the responsible portfolio ministers at the Commonwealth and jurisdictional level.

Home Affairs, in consultation with Treasury and the Department of the Prime Minister and Cabinet, have drafted this Schedule, **attached to this email**. We are now seeking your initial comments, queries and feedback. Following your feedback, we will incorporate these revisions before seeking your final approval. The schedules will then be sent to Minister Littleproud for endorsement, and then to your respective minister for review and signature.

To assist with your feedback, we draw you to:

- The [FFA – Environment Head Agreement](#),
- The [Principles of the FFAs](#), and
- [Prior agreements](#) established under the FFA – Environment Head Agreement

Your jurisdictional Treasury, as well as Premier and Cabinet (or equivalent) will also be provided with these Schedules for comment by their Commonwealth counterparts. These agencies will then provide their feedback to you, to return to Home Affairs. We have attached a document, **Circulation of feedback**, which sets out this process.

Our colleagues in the Treasury and Department of the Prime Minister and Cabinet have affirmed that their state and territory central agency counterparts will be familiar with arrangements under the FFAs and happy to provide guidance on these matters. We recommend you engage with your jurisdictional Treasury and Premier and Cabinet (or equivalent) colleagues throughout this process.

Key dates relating to the Schedules

s 42

This advice means that we now have more flexibility with our timeframes to negotiate the Schedules. Notwithstanding, it remains important that we finalise these agreements without delay to ensure that the funds are transferred to jurisdictions as soon as practicable in 2021/22, as required by the ERF Act.

Timeline

Home Affairs' intention is that funding would be paid to jurisdictions from the Commonwealth Treasury under the pay cycle on or around **9 August 2021**. To meet the associated administrative deadlines, Home Affairs require the Schedules, executed by both Ministers, by **18 July 2021**. We have prepared the **attached revised timeline** to achieve this, and we welcome your advice on any issues with these timeframes.

Teleconference relating to this work

In the coming days, we will be in touch to arrange a short phone call on **Tuesday 1 June or Wednesday 2 June** to discuss this information and any early questions you may have, should you require it.

Frequently Asked Questions

We understand you may have questions relating to these agreements and the process involved. We have developed the **attached FAQs** to aid early queries, and these will shortly be available under the [Recovery assistance tab](#) of Home Affairs' emergency management web page. This resource will be a living document and updated regularly, based on the queries we receive from jurisdiction.

Once again, we thank you for assistance in finalising these agreements and look forward to our ongoing work together.

Kind regards,

s 47F
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Emergency Management and Coordination
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OFFICIAL

From: s 47F @qra.qld.gov.au>
Sent: Tuesday, 25 May 2021 5:20 PM
To: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>
Cc: s 47F @homeaffairs.gov.au>; s 47F @homeaffairs.gov.au>; @QRA-Intergov-Relations <QRAIntergovRelations@qra.qld.gov.au>
Subject: RE: Outcome: Successful projects for funding under the National Flood Mitigation Infrastructure Program [SEC=OFFICIAL]

Thanks s 47F

I'm keen to understand your timeframes moving forward, as I understood from our call there was a level of urgency for signoff of schedules etc. You mention below that I was to get an update on 21 May, but nothing has come through yet.

Regards

s 47F



s 47F

General Manager
Resilience
Queensland Reconstruction Authority

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From: National Flood Mitigation Infrastructure Fund [<mailto:national.flood.mitigation@homeaffairs.gov.au>]

Sent: Thursday, 20 May 2021 5:40 PM

To: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>; s 47F

s 47F @qra.qld.gov.au>

Cc: s 47F @homeaffairs.gov.au>; s 47F @homeaffairs.gov.au>

Subject: RE: Outcome: Successful projects for funding under the National Flood Mitigation Infrastructure Program [SEC=OFFICIAL]

OFFICIAL

Hi s 47F

Thanks for the chat earlier. There have been some further developments regarding the timing and the schedule so will provide you an update on that tomorrow.

As discussed, we are pleased to confirm that the Australian Government has approved funding for **three** projects totalling **\$9,900,500** in NFIMP program funding. The funded projects for Queensland and Commonwealth contributions are detailed below:

Project name	Amount requested	Commonwealth funding
Armstrong Creek Causeway, Normanton to Burketown	\$793,339	\$793,339
Dutton Street Bridge (Palm Creek Crossing), Ingham	\$8,834,263	\$5,753,667
Floraville and Truganini Roads Upgrades, Burketown to Normanton	\$3,353,494	\$3,353,494
Total	\$12,981,096	\$9,900,500

Delivery of the funding

Following consultation with the Commonwealth Treasury, the funding for these projects will be delivered through the Federation Funding Agreements framework. The FFAs promote a consistent approach to the delivery of Commonwealth support, as well as providing jurisdictions with greater flexibility in the delivery of funded projects. Funding awarded through the NFIMP 2020/21 will be described in a Schedule to the *Federation Funding Agreement*

– *Environment*, which is co-signed by the responsible portfolio ministers at the Commonwealth and jurisdictional level.

We are finalising the draft Schedule for your consideration which we will send through shortly along with advice regarding any timeframes involved in finalising your respective feedback on this document.

Please give me a call if you have any questions or concerns.

Kind regards

s 47F

Director, EMA Strategic Programs
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Emergency Management Australia Group
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s 47F

Director, EMA Strategy
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**Please note I work Monday – Thursday*

OFFICIAL

From: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>
Sent: Monday, 10 May 2021 5:29 PM
To: s 47F @qra.qld.gov.au
Cc: s 47F @homeaffairs.gov.au>
Subject: Outcome: Successful projects for funding under the National Flood Mitigation Infrastructure Program [SEC=OFFICIAL]

OFFICIAL

Good afternoon,

Thank you for your applications under the National Flood Mitigation Infrastructure Program. We appreciate the time and effort involved in the application process.

We are pleased to advise that the assessment process has now concluded and that the following Queensland projects have been approved for funding under the program:

- Armstrong Creek Causeway, Normanton to Burketown
- Floraville and Truganini Roads Upgrades, Burketown to Normanton
- Dutton Street Bridge (Palm Creek Crossing), Ingham

We will be in touch shortly regarding the funding amounts and the process for establishing project grant agreements to facilitate transfer of the funding.

Thank you once again.

Kind regards,

s 47F

National Flood Mitigation Infrastructure Program
Emergency Management and Coordination
Department of Home Affairs
national.flood.mitigation@homeaffairs.gov.au

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Queensland - National Flood Mitigation Infrastructure Program

FEDERATION FUNDING AGREEMENT – ENVIRONMENT

Table 1: Formalities and operation of schedule													
Parties	Commonwealth Queensland												
Duration	This Schedule is expected to expire 30 June 2024.												
Purpose	<p>This Schedule will support the delivery of projects identified through the <i>National Flood Mitigation Infrastructure Program</i> (Program), which help local communities mitigate their priority flood risks and reduce the impact of flood events.</p> <p>Funding provided under this Schedule will contribute to the delivery of the following projects (Funded Projects):</p> <ul style="list-style-type: none"> • Project 1: Armstrong Creek Causeway, Normanton to Burketown; • Project 2: Floraville and Truganini Roads Upgrades Burketown to Normanton; • Project 3: Dutton Street Bridge (Palm Creek Crossing), Ingham. <p>An overview of each project is provided at <u>Attachment A</u>.</p>												
Estimated financial contributions	<p>The Commonwealth will provide to Queensland an estimated total financial contribution of \$9.90m (GST exclusive) in respect of this Schedule (see Table 1).</p> <table border="1"> <thead> <tr> <th>Table 1 (\$m)</th> <th>2020-21</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Estimated total budget</td> <td>9.90</td> <td>9.90</td> </tr> <tr> <td>Less estimated National Partnership Payments</td> <td>9.90</td> <td>9.90</td> </tr> <tr> <td>Balance of non-Commonwealth contributions</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Table 1 (\$m)	2020-21	Total	Estimated total budget	9.90	9.90	Less estimated National Partnership Payments	9.90	9.90	Balance of non-Commonwealth contributions	0	0
Table 1 (\$m)	2020-21	Total											
Estimated total budget	9.90	9.90											
Less estimated National Partnership Payments	9.90	9.90											
Balance of non-Commonwealth contributions	0	0											
Additional terms	<p>Allocation of funds</p> <p>(1) The parties understand that this Schedule is made in good faith and there is an expectation that funding will be apportioned to projects as determined through the Program, and as shown at <u>Attachment A</u>.</p> <p>Resolution of terms</p> <p>(2) This Schedule should be read in conjunction with the National Flood Mitigation Infrastructure Program Guidelines v1.1 (28 January 2021) (Program Guidelines).</p>												

- (3) The parties agree that, as the funding provided under this Schedule was granted through the Program, that the conditions of that Program remain enlivened.

Implementation Plan

- (4) Project specific timeframes will be finalised after the commencement of this Schedule, in the form of an Implementation Plan.
- a. The Implementation Plan will be developed by the Funding Recipient and provided to the Commonwealth for approval. The Funding Recipient must obtain Commonwealth approval (which will not be unreasonably withheld by the Commonwealth) within three months of the time this agreement commences or no later than 30 September 2021, whichever is greater.
 - b. This Implementation Plan will include, at minimum, project specific timeframes, including estimated date of completion, and delivery milestones.

Performance monitoring and reporting

- (5) The parties acknowledge that payments under these agreements would usually be tied to the performance milestones at Table 2 below. In lieu of milestone based payments under this agreement, states and territories commit to honouring these reporting obligations required by this Schedule.
- (6) In line with paragraph (3) of this Schedule, the parties agree that the monitoring and reporting requirements described in the Program Guidelines and detailed at **Attachment B** also apply to funding provided under this Schedule.
- (7) To satisfy clause 7.1.1 of the Program Guidelines (detailed at Attachment B), the Funding Recipient will produce a Statement of Assurance for each six-month period (the Reporting Period) from the date this Schedule commences.
- (8) The Statement of Assurance will address each Funded Project and describe, in reference to the Implementation Plan:
- a. milestones that have been achieved;
 - b. milestones that have not been achieved, when and how the Funding Recipient intends to meet the milestones; and
 - c. the value of funding providing under this Schedule which has been expended against each Funded Project.
- (9) The Statement of Assurance will be provided to the Commonwealth no more than 30 days after the end of the relevant Reporting Period.
- (10) If the Australian Government requests documentation under clause 7.1.2, the Funding Recipient must provide the requested information to the Australian Government within a reasonable time of the request.

	<p>Third parties</p>
--	-----------------------------

(11) In line with the Program Guidelines, States and Territories may engage a third party to support the delivery of a project under this Schedule.

(12) While third parties are not signatories to this Schedule, the Commonwealth reminds States and Territories that they are solely responsible for ensuring third party compliance with the ERF Act, the Program Guidelines and the conditions of this Schedule.

Table 2: Performance requirements, reporting and payment summary

Output	Performance milestones	Report due	Payment
Flood mitigation infrastructure projects that assist communities to prepare for future flood events to reduce the risk of flood to, and/or impact of flooding on, local communities	Queensland agrees and signs the schedule	Upon signature of schedule	\$9.90m
	Funding Recipient provides the approved Implementation Plan to the Commonwealth	Within three months of the commencement of this Schedule or no later than 30 September 2021, whichever is later.	N/A
	Funding Recipient submits six monthly Statements of Assurance to the Commonwealth	No later than 30 days after the end of each Reporting Period	N/A
	Funding Recipient submits audited project expenditure acquittal	No later than nine months from the end of the financial year in which the project was completed	N/A

The Parties have confirmed their commitment to this schedule as follows:

Signed for and on behalf of the Commonwealth of Australia by

The Honourable David Littleproud MP
 Minister for Agriculture, Drought and Emergency Management

/ / 2021

Signed for and on behalf of the State of Queensland by

The Honourable Mark Ryan MP
 Minister for Fire and Emergency Services

/ / 2021

Details of Queensland's Funded Projects

#	Project Name	Project Description	Commonwealth funding
1	Armstrong Creek Causeway, Normanton to Burketown	This project involves removing the existing floodway and install a new concrete base slab and box culverts through Armstrong Creek on Normanton - Burketown Road. This will raise the creek crossing to improve flood resilience.	\$793,339
2	Floraville and Truganini Roads Upgrades, Burketown to Normanton	This project involves replacing and upgrading drainage assets urgently required to prevent further closure of the road and the imposition of load restrictions due to structural instability. A major culvert failure required the urgent replacement of two of the seven major cell culverts on Floraville Road. If the project is not undertaken, the road link connecting Burketown and Normanton (part of the Savannah Way route) will need to be closed and/or detours constructed until replacement can occur.	\$3,353,494
3	Dutton Street Bridge (Palm Creek Crossing), Ingham	This project involves construction of a bridge along Dutton Street Ingham to link the north and south of the town in flood events of up to a 1 in 50 year flood event. This critical link will ensure that the entire township is accessible by fire, police and ambulance services, and that hospital facilities remain accessible to the public in the event of a flood.	\$5,753,667
Total funding			\$9,900,500

Reporting obligations under the National Flood Mitigation Infrastructure Program Guidelines

7. Monitoring and reporting

7.1. Project reporting

- 7.1.1. State and territory governments must undertake regular monitoring and reporting in line with the project-by-project requirements outlined in the bilateral agreement.
- 7.1.2. The Australian Government may request additional information and/or reporting, outside the agreed milestones, if deemed necessary.
- 7.1.3. Project reporting will be considered as supporting documentation during the audit and assurance process

8. Audit and assurance

8.1. Program assurance is informed by the Disaster Recovery Funding Arrangements 2018 state assurance activities

- 8.1.1. The objectives of the program assurance activities are to provide the Commonwealth with reasonable assurance over:
 - each state or territory government's Disaster Recovery Funding Arrangements Management System, as it relates to state and territory government controls for:
 - market response;
 - cost estimation; and
 - the eligibility and integrity of the expenditure included in the project expenditure acquittal form.
- 8.1.2. The Department will confirm, and the state or territory government must provide a copy of, the relevant assurance report provided for the purposes of the Disaster Recovery Funding Arrangements.

8.2. State and territory government are required to submit an audit report to acquit the project

- 8.2.1. State and territory governments in receipt of program funding are required to submit an audited project expenditure acquittal to the Department no later than nine months from the end of the financial year (that is, for the audit of the period 1 July 2020 – 30 June 2021, the audit report is due no later than 31 March 2022) in which the project was completed, unless otherwise specified in the funding agreement.
- 8.2.2. State and territory governments must engage the services of a state appointed auditor to undertake the audit activity.
- 8.2.3. On request from the Department, the state appointed auditor must be available to

the Department or its auditor for consultation on the audited project expenditure acquittal.

- 8.2.4. The audited project expenditure acquittal must be in the form prescribed at Attachment B of the Program Guidelines.

8.3. State, territory and local government must maintain appropriate records

- 8.3.1. State, territory and local governments must keep an accurate audit trail for seven (7) years from the end of the project.
- 8.3.2. The Department may, at any time, request documentation from applicants to evidence the state or territory government's compliance with any aspect of the program.
- 8.3.3. State and territory governments must make available to the Department within one (1) month all documentation relevant to a request by the Department.


Document 17

From: s 47F
To: [National Flood Mitigation Infrastructure Fund](#)
Cc: s 47F; @QRA-Intergov-Relations; Policy; Strategy & Engagement Team
Subject: RE: TRIM: Re: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]
Date: Monday, 22 March 2021 4:00:13 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.jpg](#)
[RE National Flood Mitigation Infrastructure Program - request for further information on applications SECOFFICIAL.msg](#)

Thanks s 47F

Queensland's prioritised list, as sent to EMA on 9 March (attached) is as follows:

s. 47B(a), s. 47C(1), s. 47E(d)



We'll prepare a response to your question referencing s. 47B(a), s. 47C(1)

Regards

s 47F



s 47F

General Manager
Resilience

Queensland Reconstruction Authority

P s 47F **E** s 47F [@qra.qld.gov.au](mailto:s 47F@qra.qld.gov.au)

M s 47F

Level 11, 400 George Street, Brisbane QLD 4000
PO Box 15428, City East QLD 4002

www.qra.qld.gov.au

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cid:image002.png@01D5FBAF.6504A730

From: National Flood Mitigation Infrastructure Fund [mailto:national.flood.mitigation@homeaffairs.gov.au]

Sent: Monday, 22 March 2021 2:50 PM

To: s 47F [redacted]@qra.qld.gov.au>

Cc: s 47F [redacted]@homeaffairs.gov.au>; @QRA-Intergov-Relations
<QRAIntergovRelations@qra.qld.gov.au>; Policy <Policy@qra.qld.gov.au>

Subject: RE: TRIM: Re: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]

OFFICIAL

Hi s 47F [redacted]

The information requested relates to Queensland's Projects s. 47B(b), s. 47C(1)
s. 47C(1), s. 47B(a)



Kind regards,

s 47F [redacted]

National Flood Mitigation Infrastructure Program
Emergency Management and Coordination
Department of Home Affairs
national.flood.mitigation@homeaffairs.gov.au

OFFICIAL

From: s 47F [redacted]@qra.qld.gov.au>

Sent: Monday, 22 March 2021 3:16 PM

To: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>

Cc: s 47F [redacted]@homeaffairs.gov.au>; @QRA-Intergov-Relations
<QRAIntergovRelations@qra.qld.gov.au>; Policy <Policy@qra.qld.gov.au>

Subject: RE: TRIM: Re: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]

Thank you

And do you mean the following when you refer to projects 6 & 7?

6. s 47E(d) [redacted]
s. 47C(1), s. 47B(a) [redacted]

Regards

s 47F



s 47F

General Manager
Resilience

Queensland Reconstruction Authority

P s 47F E jimmy.scott@qra.qld.gov.au

M s 47F

Level 11, 400 George Street, Brisbane QLD 4000
PO Box 15428, City East QLD 4002

www.qra.qld.gov.au

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cid:image002.png@01D5FBAF.6504A730



From: National Flood Mitigation Infrastructure Fund [<mailto:national.flood.mitigation@homeaffairs.gov.au>]

Sent: Monday, 22 March 2021 1:46 PM

To: s 47F [@qra.qld.gov.au](mailto:s47f@qra.qld.gov.au); National Flood Mitigation Infrastructure Fund
<national.flood.mitigation@homeaffairs.gov.au>

Cc: s 47F [@homeaffairs.gov.au](mailto:s47f@homeaffairs.gov.au); @QRA-Intergov-Relations
<QRAIntergovRelations@qra.qld.gov.au>; Policy <Policy@qra.qld.gov.au>

Subject: RE: TRIM: Re: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]

OFFICIAL

Good afternoon,

Grateful if we could have the information requested by **5pm AEDT Thursday 25 March 2021**.

Happy to discuss.

Kind regards,

s 47F

Director, EM Strategy
Disaster Preparedness Branch | EMC Plans and Capability Division
Emergency Management and Coordination Group
Department of Home Affairs

P: s 47F

E: s 47F [@homeaffairs.gov.au](mailto:s47f@homeaffairs.gov.au)

**Please note my working hours are Monday – Thursday*

From: s 47F [@qra.qld.gov.au](mailto:s47f@qra.qld.gov.au)

Sent: Monday, 22 March 2021 11:40 AM

To: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>; s 47F
s 47F [@homeaffairs.gov.au](mailto:s47f@homeaffairs.gov.au)

Cc: s 47F [@homeaffairs.gov.au](mailto:s47f@homeaffairs.gov.au); @QRA-Intergov-Relations
<QRAIntergovRelations@qra.qld.gov.au>; Policy <Policy@qra.qld.gov.au>

Subject: RE: TRIM: Re: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]

Good morning,

Can you please advise when you are seeking a response, s. 47B(a), s. 47C(1)

Thank you

s 47F



s 47F

General Manager
Resilience

Queensland Reconstruction Authority

P s 47F E s 47F @gra.qld.gov.au

M s 47F

Level 11, 400 George Street, Brisbane QLD 4000
PO Box 15428, City East QLD 4002

www.qra.qld.gov.au

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From: s 47F

Sent: Friday, 19 March 2021 3:31 PM

To: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>

Cc: s 47F @homeaffairs.gov.au; s 47F @homeaffairs.gov.au;

@QRA-Intergov-Relations <QRAIntergovRelations@qra.qld.gov.au>; Policy <Policy@qra.qld.gov.au>

Subject: TRIM: Re: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]

Additionally,

Do you mean the following projects for the second part of the question?

6. s 47E(d)

s. 47B(a), s. 47C(1)

Regards

s 47F

Ph. s 47F

From: s 47F @gra.qld.gov.au

Sent: Friday, March 19, 2021 2:45:32 PM

To: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>

Cc: s 47F @homeaffairs.gov.au; s 47F @homeaffairs.gov.au;

@QRA-Intergov-Relations <QRAIntergovRelations@qra.qld.gov.au>; Policy <Policy@qra.qld.gov.au>

Subject: Re: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]

Thank you

When are you seeking a response please?

Regards

s 47F

Ph. s 47F

From: National Flood Mitigation Infrastructure Fund <national.flood.mitigation@homeaffairs.gov.au>
Sent: Friday, March 19, 2021 2:44:03 PM
To: s 47F <s47f@gra.qld.gov.au>
Cc: s 47F <s47f@homeaffairs.gov.au>; s 47F <s47f@homeaffairs.gov.au>
Subject: National Flood Mitigation Infrastructure Program - request for further information on application [SEC=OFFICIAL]

OFFICIAL

Good afternoon s 47F

Thank you for providing the applications to the National Flood Mitigation Infrastructure Program (NFIMP). We appreciate the significant investment of time and effort that you have already devoted to this process, including any clarification provided following the initial project review process.

The Program Review Panel (the panel) is currently in the process of assessing applications for funding under the NFMIP.

In accordance with clause 6.2.3 of the January 2021 Program Guidelines (attached) the panel is responsible for substantiating claims made in applications. In order to meet their responsibilities and assist the panel to make its recommendations, the panel have requested some further information or clarification in relation to a number of projects.

The specific questions the panel have are listed in the table below:

Project	Item requiring clarification	Response
s 47E(d)		

This opportunity to provide additional information will allow the panel to make robust, evidence based recommendations in accordance with the *Emergency Response Fund Guidelines* and ensure that Department meets its probity responsibilities under clause 6.6 of the attached guidelines.

Please contact s 47F Director EMA Strategy, (cc'd) should you have any questions or concerns regarding the above.

Thank you for your assistance.

Kind regards,

National Flood Mitigation Infrastructure Program
Emergency Management and Coordination
Department of Home Affairs
national.flood.mitigation@homeaffairs.gov.au

OFFICIAL

OFFICIAL

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OFFICIAL

From: s 47F
To: s. 47F(1), s. 47E(c)
Cc: [National Flood Mitigation Infrastructure Fund](#)
Subject: National Flood Mitigation Infrastructure Fund (NFMIF) Queensland Priority changes [SEC=OFFICIAL:Sensitive]
Date: Tuesday, 23 March 2021 4:05:58 PM
Attachments: [Queensland response request for further Information - National Flood M...docx](#)

OFFICIAL: Sensitive

Good afternoon Panellists,

Thank you for your participation in the NFMIP Review Panel.

Please be advised that the program has received advice from Queensland, and they have updated some of their application priorities in relation to the NFMIF Program. None of the project content has changed, just their prioritisation. Please see the new priority list below and the attached document for further details:

s. 47B(a), s. 47C(1), s. 47E(d)



Please let the team know if you have any questions or concerns,

Regards,

s 47F
Disaster Preparedness Branch
EMC Plans and Capability Division
Emergency Management and Coordination
Department of Home Affairs

Ph: s 47F
Email: s 47F @homeaffairs.gov.au

OFFICIAL: Sensitive

From: s 47F
To: [National Flood Mitigation Infrastructure Fund](#)
Subject: HPRM: NFMIP - Assessment Matrix - supplementary assessment QLD - SM [SEC=OFFICIAL]
Date: Wednesday, 31 March 2021 9:54:27 PM
Attachments: [NFMIP - Assessment Matrix - supplementary assessment QLD - SM.docx](#)

OFFICIAL

For NFMIP records. Updated for additional info. Captured in workbook.

Thanks

S
47F
OFFICIAL

PROTECTED | CABINET



Australian Government
Department of Home Affairs

Submission

For decision
PDMS Ref. Number MS21-000705
Date of Clearance: 09/04/2021

To Minister for Agriculture, Drought and Emergency Management

Subject National Flood Mitigation Infrastructure Program - project funding recommendations

Timing *At your earliest convenience to enable funding arrangements for successful projects to be established before the end of the financial year.*

Recommendations

That you:

1. **note** that as per your announcement of 11 December 2020, the Department of Home Affairs (the Department) established the National Flood Mitigation Infrastructure Program (the Program) drawing on the \$50 million pre-disaster resilience component of the Emergency Response Fund (ERF) in 2020-21. noted / please discuss
2. **note** that a total of 74 applications from States and Territories were received for funding under the Program, with a combined value of \$232 million (**Attachment A** refers). noted / please discuss
3. **note** that an assessment of these applications was undertaken by an interdepartmental Program Review Panel and two alternative funding options are presented for your decision. noted / please discuss

s 47B, s 47C, s 47E(d)

6. **agree** that, given the large number of eligible applications received, you **sign** the letter to the Prime Minister at **Attachment B** seeking approval to undertake a second funding round, drawing on the \$50 million available from the ERF for allocation in 2021-22. agreed and signed / not agreed / please discuss

7. **note** that the Department of the Prime Minister and Cabinet has advised that should you wish to allocate ERF funds for a different program other than flood mitigation in 2021-22, Cabinet approval will be required.

noted / please discuss

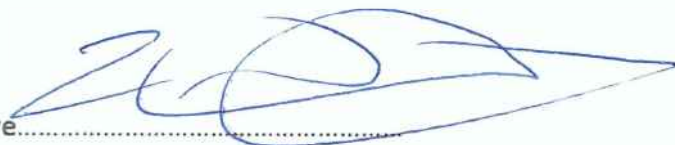
8. **note** that, as requested by your office, the Department has explored options to fund an Indigenous land management program, and in doing so has identified that there are limitations to utilising the ERF for this purpose.

noted / please discuss

9. **agree** that the Department, in consultation with the National Indigenous Australians Agency (NIAA), develop a proposal to progress an Indigenous land management program using other funding options.

agreed / please discuss

Minister for Agriculture, Drought and Emergency Management

Signature 

Date: 7.5 / 2021

Minister's Comments				
Rejected Yes/No	Timely Yes/No	Relevance <input type="checkbox"/> Highly relevant <input type="checkbox"/> Significantly relevant <input type="checkbox"/> Not relevant	Length <input type="checkbox"/> Too long <input type="checkbox"/> Right length <input type="checkbox"/> Too brief	Quality Poor 1.....2.....3.....4.....5 Excellent Comments:

Key Issues

1. On Friday, 11 December 2020, you announced the establishment of the Program. The Program draws on the \$50 million pre-disaster resilience component of the ERF available for allocation in 2020-21.
2. State and Territory Governments, in consultation with Local Governments and the community, were eligible to apply for funding. The application period ran from 21 December 2020 to 12 February 2021. To assist applicants in preparing their applications, Program Guidelines setting out the Program's eligibility requirements and selection criteria were made available to applicants. A copy of the Guidelines is at **Attachment C**.
3. In total, 74 applications with a combined value of \$232 million were received, with representation from all States and Territories.
4. Assessment of the applications was undertaken by an interdepartmental Program Review Panel (the Panel), comprised of representatives from Departments of Home Affairs, Prime Minister & Cabinet, Treasury, Infrastructure, Transport, Regional Development and Communications, the National Drought and North Queensland Flood Response and Recovery Agency, and the Bureau of Meteorology. The methodology for the assessment of applications is at **Attachment D**.
5. Assessed criteria include the proposal's relative impact on reducing the flood risk and impact on communities, and the proposal's capacity to lower household or Local Government insurance premiums. The priority of the application as nominated by each State and Territory, relative to other applications in their jurisdiction, was also a consideration.

s 47B, s 47C, s 47E(d)

s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)

Extending the Program to a second round of flood mitigation funding

26. Noting the large number of applications received for flood mitigation funding, the Department recommends undertaking a second national flood mitigation infrastructure funding round, drawing on the \$50 million available from the ERF for allocation in 2021-22.
27. Flood infrastructure projects deliver significant value for the community and, relative to other disaster mitigation projects, provide a significant return on investment. Prioritising the development of flood mitigation infrastructure nationally is also recommended, given the potential threat to life and economic loss caused by flood events, as recently demonstrated in Western Australia and New South Wales.

s 47B, s 47C, s 47E(d)

29. A second flood mitigation funding round could also be conducted relatively quickly. The Department of the Prime Minister and Cabinet has advised that should you wish to allocate ERF funds for a different program other than flood mitigation in 2021-22, Cabinet approval will be required. Should you wish to extend the program, authority to undertake another flood mitigation program may be sought via an exchange of letters with the Prime Minister.
30. Pending your agreement to extend the Program to a second round, and your agreement to Option 1, a letter to the Prime Minister to seek this authority is at **Attachment B**. Should you agree to Option 2 or other alternative options, a revised letter to the Prime Minister will be provided for your consideration.

Next Steps

31. Following your approval of projects for funding under the NFMIP, the Department will prepare letters from you for your signature to State and Territory emergency management ministers to inform them of the successful projects in their jurisdictions. The Department will then work with State and Territory Governments to develop bilateral agreements and determine project specific timeframes, including: funding delivery, estimated dates of completion, project delivery milestones, and audit and assurance mechanisms.

Development and Funding for an Indigenous Land Use Management Program

s 47C(1)



Background

40. In accordance with the Emergency Response Fund Act 2019 (Section 20 (1)(c)-(f)) the ERF may be used to provide a grant of financial assistance to carry out a project that is directed towards achieving resilience to, preparedness for, or a reduction of risk of future disasters, or the long-term sustainability of a community in an area that is at risk of being affected by a natural disaster. Section 34 of the Act prescribes an annual limit of \$50 million which may be drawn from the Emergency Response Fund each financial year for this purpose.
41. On 4 December 2020, you wrote to the Prime Minister seeking his agreement to draw \$50 million from the ERF in 2020-21 to deliver a national program to invest in priority flood mitigation infrastructure initiatives (MS20-003016 refers).
42. Under the Emergency Response Fund (ERF) Guidelines, the Director General of Emergency Management Australia is the Commonwealth Officer responsible for providing advice to the Minister for Emergency Management regarding use of the ERF.
43. State and Territory Governments, in consultation with Local Governments and the Community, were eligible to apply for funding. Applications opened on 21 December 2020 and closed on 12 February 2021. A total of 74 applications from eight jurisdictions totalling over \$232 million were received. A summary of the applications received is at Attachment A.

Consultation – internal/external

44. The Department of the Prime Minister and Cabinet, Department of Finance, The Treasury, Department of Infrastructure, Transport, Regional Development and Communications, the National Drought and North Queensland Flood Response and Recovery Agency (NDNQFRRRA), and the Bureau of Meteorology were consulted on the proposed funding options.
45. Legal Division, Finance Division, Emergency Management Australia (Recovery, Disaster Preparedness and Disaster Risk Reduction Branches), within the Department of Home Affairs were consulted on the development of this submission.
46. The Civil, Commercial and Employment Law Branch reviewed the assessment process for the grants program and have advised that based on the documents reviewed, they are comfortable that steps have been taken to mitigate probity and assurance risks.

Consultation – Secretary

44. The Secretary was not consulted on the approach in the submission.

Sensitivities

45. The release of the Australian National Audit Office Report '*Award of Funding under the Community Sport Infrastructure Program*' on 15 January 2020 has brought increased scrutiny to the awarding of government grants. The report concluded that the award of grand funding in the Community Sports Infrastructure Program was not informed by appropriate assessment processes and sound advice. The report highlighted the importance of the program guidelines in deciding grant funding. In line with the grants management framework, and for probity reasons including equity and fairness to all applicants, merit-based funding decisions are recommended.
46. It is likely that a decision to fund projects that are not recommended by the Director General EMA or not in the merit order as assessed by the Program Review Panel would be open to scrutiny.
47. It is important that the States and Territories are notified of the successful projects in a coordinated manner to ensure they are all informed within the same timeframes. Applicants may have technical questions about the terms of their offer, including where the amount awarded is different from the amount requested. This best practice stakeholder management was also an area of focus in the Australian National Audit Office Report.

s 47B, s 47E(d)

49. In accordance with our long standing practices, should you wish for unclassified media lines to be prepared in relation to this issue please contact the Home Affairs Media Coordination team – media@homeaffairs.gov.au.

Financial/systems/legislation/deregulation/media implications

50. The Department of the Prime Minister and Cabinet has advised that should you wish to allocate ERF funds for a different program other than flood mitigation in 2021-22, Cabinet approval will be required. Should you wish to extend the program, authority to undertake another flood mitigation program may be sought via an exchange of letters with the Prime Minister.
51. There has been significant media interest in the Emergency Response Fund and the outcomes of this program.
52. The Department assesses that the list of recommended projects represent a proper use of Commonwealth resources and are consistent with associated legislation and guidelines, including: the Commonwealth Grants Rules and Guidelines; the Public Governance, Performance and Accountability Act 2013; Emergency Response Fund Act 2019; Emergency Response Fund Guidelines; and, the National Flood Mitigation Infrastructure Program Guidelines.

Attachments

Attachment A Application Summary and Decision Table

Attachment B Letter to the Prime Minister regarding extending the program in 2021/22

Attachment C National Flood Mitigation Infrastructure Program Guidelines

Attachment D Assessment Methodology and Matrix

Authorising Officer
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 - Secretary
 - Deputy Secretary, Emergency Management and Coordination
 - Group Manager Legal
 - Chief Finance Officer
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Australian Government

Department of Home Affairs

National Flood Mitigation Infrastructure Program

Guidelines January 2021

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Change log

Version	Date	Changes
v1.0	11 December 2020	Original program guidelines document
v1.1	28 January 2021	<p>Added <i>application</i> key term.</p> <p>(new) 2.1.3 Added contact information.</p> <p>(new) 4.2.4 Clarified Departmental funding of project costs.</p> <p>(new) 5.1 Added Application Form Criteria</p> <p>(new) 5.1.1 Clarified application submission destination.</p> <p>(new) 5.2.3 Clarified role of local governments in program applications.</p> <p>5.3 Clarified the definition of flood mitigation infrastructure for the purposes of funding eligibility.</p> <p>(new) 5.3.3 Added additional information on what flood mitigation infrastructure may include.</p> <p>5.7 Clarified process for estimating costs.</p> <p>5.8 Clarified project cost exclusions.</p> <p>6. Corrected numbering of sections.</p> <p>6.2.1 Changed approver of panel membership to Director General Emergency Management Australia.</p> <p>6.6.2 Added equality of access to information.</p> <p>8.1 Clarified applicability of <i>Disaster Recovery Funding Arrangements 2018</i> state assurance activities.</p> <p>8.2.1 Aligned timing of the submission audit reporting with the <i>Disaster Recovery Funding Arrangements 2018</i>.</p> <p>General formatting updates.</p>

1. Glossary of key terms

Key term	Definition
applicant	The state or territory government applying funding under the <i>program</i> .
application	The method undertaken by the applicant in order to request funding under the <i>program</i> .
contact officer	The key working level contact identified by the <i>applicant</i> as the primary point of contact for all engagements on the application or program following submission of the application.
Council of Australian Governments (COAG)	Primary intergovernmental forum in Australia from 1992 to 2020.
Department	The Department of Home Affairs responsible for administering the <i>program</i> .
Disaster Recovery Funding Arrangements 2018	The arrangements under which the Australian Government provides financial assistance to state and territory governments to assist relief and recovery activities following an eligible natural disaster.
Disaster Recovery Funding Arrangements Management System	The processes and controls implemented by a state or territory government agency and third-party organisations (where applicable) in relation to an estimated reconstruction cost, as defined by the <i>Disaster Recovery Funding Arrangements 2018</i> .
Emergency Response Fund (ERF)	<p>The Emergency Response Fund was established in December 2019 and is administered under the <i>Emergency Response Fund Act 2019</i>, with operational guidance provided in the <i>Emergency Response Fund Program Guidelines</i>.</p> <p>The Emergency Response Fund provides \$150 million annually to support emergency response and recovery from natural disasters in Australia that have a significant or catastrophic impact.</p> <p>The Emergency Response Fund also provides an additional \$50 million annually to build resilience to, prepare for, or reduce the risk of future disasters, or build the long-term sustainability of communities that are at risk of being affected by a future disaster.</p>
<i>Emergency Response Fund Act 2019</i>	The legislation that establishes the Emergency Response Fund.
essential public asset	Defined as 'an asset which must be a transport or public infrastructure asset of an eligible undertaking which, the state considers, and the department agrees, is an integral part of a state's infrastructure and normal functioning of a community' as per the <i>Disaster Recovery Funding Arrangements 2018</i> .
flood mitigation infrastructure	An essential public asset with the primary purpose of reducing the risk of flood to, and/or impact of flooding on, a community or communities.
Minister	The Minister for Agriculture, Drought and Emergency Management who is the accountable authority for the program.
National Disaster Risk Reduction Framework	The framework developed by the Australian Government that outlines the strategic priorities, drivers for action and guiding principles for national disaster risk reduction activities.
program	The National Flood Mitigation Infrastructure Program 2020-21.

Key term	Definition
program administrator	A member and/or section within the Emergency Management and Coordination Group of the Department of Home Affairs.
program review panel	The expert panel established to ensure the success of the program through the impartial assessment of applications and development of evidence-based recommendations.
project	A flood mitigation infrastructure activity undertaken by the relevant state and territory government in the context of the program.
recipient	The state and territory government receiving program funding for a successful project.
state appointed auditor	An auditor appointed by the state or territory government to conduct audit and assurance activities.

2. Overview

2.1 Purpose

- 2.1.1 These guidelines provide information on the administration of the National Flood Mitigation Infrastructure Program (the *program*). The intended users are the Australian Government, as the *program administrator*, and state and territory governments, as the intended *applicants*.
- 2.1.2 These guidelines may be updated at any time during the course of the *program* to provide further details as they arise, while maintaining the integrity and transparency of the program.
- 2.1.3 Queries regarding the *program* should be directed to national.flood.mitigation@homeaffairs.gov.au

2.2 Context

- 2.2.1 Many Australian communities are exposed to flooding, with varied impacts and damage that can be substantial and devastating. The Australian Government, in the State of the Climate 2020, reported that heavy rainfall events in Australia are becoming more intense, with an increase in the intensity of short-duration extreme rainfalls. Such events are associated with flash flooding and an increased risk to communities. Further, Deloitte Access Economics¹ found flooding to be the most costly natural hazard-related cause of disaster when both tangible and intangible losses are taken into account. However, for many households and communities the ability to reduce flood risk is beyond their control.
- 2.2.2 This *program* reflects the Australian Government's commitment to support impactful, national flood mitigation priorities through the provision of \$50 million in 2020-21 from the Emergency Response Fund. In line with National Priority 3: Enhanced investment of the *National Disaster Risk Reduction Framework*², the *program* will target high priority locally and nationally significant flood mitigation infrastructure activities, with a view to maximising broader social and economic outcomes, including through limiting future disaster recovery needs and costs.

2.3 Program purpose and outcomes

- 2.3.1 The *program* will contribute to, or pay for, the improvement or construction of *flood mitigation infrastructure* to support local communities mitigate their priority flood risks and reduce the impact of flood events.
- 2.3.2 The outcomes to be achieved through the *program* are:
 - reduction in the impact of future floods on a specific community or communities
 - reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018
 - positive change in the insurability of the existing flood mitigation infrastructure
 - addressing relevant household or local government insurance affordability as a result of the improvement or construction of the flood mitigation infrastructure
 - ancillary to the above, local job creation.

¹ Deloitte Access Economics, (2019). *The social and economic cost of the North and Far North Queensland Monsoon Trough*. Brisbane: Queensland Reconstruction Authority.

² Australian Government. Department of Home Affairs, (2018). *National Disaster Risk Reduction Framework*. Canberra: Department of Home Affairs.

3. Timeframes

3.1 Delivery timeframes

- 3.1.1 Applications for the *program* will open on 21 December 2020, and close at 5pm AEST on 12 February 2021.
- 3.1.2 The Australian Government *project review panel* will assess applications in early 2021, with the intent to make a recommendation to the *Minister* and announce successful *projects* in March 2021.
- 3.1.3 Funding agreements with relevant state and territory governments will be established following this announcement, with the first milestone payment to be made prior to 30 June 2021.

3.2 Milestones

- 3.2.1 *Project* specific timeframes, including estimated date of completion, and delivery milestones will be determined with the relevant state and territory governments during the development of the bilateral agreement.

4. Funding and agreements

4.1 Funding source

- 4.1.1 The *program* is funded from the \$50 million component of the *Emergency Response Fund* and is made available through the *Council of Australian Governments (COAG) Reform Fund*.
- 4.1.2 The *Emergency Response Fund* is intended to complement existing sources of funding for relevant activities.

4.2 Allocation of funding

- 4.2.1 A maximum of \$50 million is available in 2020-21 for the *program*. Allocations will consider:
- prioritisation of projects submitted by the state and territory government
 - availability of other Australian Government funding sources
 - relative flood risk and mitigation impact
 - reduction of relevant household or local government insurance premiums;
 - likelihood of project success, and
 - equitable share across all state and territory jurisdictions, where possible and reasonable.
- 4.2.2 There is no funding cap for each application or limit on the number of *applications* that can be submitted by a state or territory government.
- 4.2.3 A co-contribution from the state or territory government, and/or other appropriate funding partners is desirable but not essential.
- 4.2.4 The *Department* may provide funding for some or all of the estimated project costs.

4.3 Project funding agreements

- 4.3.1 Funding for successful *project* proposals will be provided to state and territory governments through the establishment of a relevant funding arrangement under *the Intergovernmental Agreement on Federal Financial Relations*.

5. Eligibility criteria

5.1 Application form criteria

5.1.1 An *application* will only be deemed valid for assessment if the application:

- is made using the provided Application Form (see Attachment A)
- is complete with all particulars
- is submitted by a state or territory government agency
- demonstrates support by the relevant state or territory emergency management minister
- is provided to the *Department* via email at national.flood.mitigation@homeaffairs.gov.au, and
- is provided to the *Department* by 5pm AEST 12 February 2021.

5.2 Only a state or territory government may apply for *program* funding

5.2.1 Only a state or territory government may apply for *program* funding. However, a state or territory government may use a third party to deliver the *project* on its behalf, including through the procurement of a commercial service provider or through funding a local government.

5.2.2 This does not diminish the responsibility of state and territory governments to assure and audit the *project's* preservation of eligibility, integrity and expenditure. Further details are at Section 8: Audit and Assurance.

5.2.3 Interested local governments with eligible *projects* should contact their state or territory government's emergency management agency to discuss the state or territory government's support for and submission of that *project* on the local government's behalf.

5.3 Only flood mitigation infrastructure may be eligible for *program* funding

5.3.1 *Flood mitigation infrastructure* is an essential public asset, as defined in the *Disaster Recovery Funding Arrangements 2018*, with the primary purpose of reducing the risk of flood to, and/or impact of flooding on, a community or communities.

5.3.2 Eligible infrastructure may include, but is not limited to: dams, levees, bridges, culverts and other drainage systems, rainfall and river height measurement systems, weather radar systems and flood warning infrastructure, where that infrastructure appropriately meets the definition of *flood mitigation infrastructure*.

5.3.3 *Flood mitigation infrastructure* may also include non-physical components, such as specific information technologies, that in their absence would render the flood mitigation infrastructure wholly inoperable.

5.3.4 State and territory governments are responsible for assessing and demonstrating that the infrastructure is *flood mitigation infrastructure* in accordance with paragraphs 5.3.1 to 5.3.3 above.

- Such evidence may include businesses cases, flood mitigation strategies and other supporting documentation that demonstrates eligibility.

5.4 A project must be for the improvement of an existing or construction of a new flood mitigation infrastructure

5.4.1 State and territory governments may apply for *program* funding to support the improvement of an existing or the construction of a new *flood mitigation infrastructure*.

5.4.2 The improvement of an existing, or the construction of new, *flood mitigation infrastructure* must have an outcome of reducing flood risk to, **and** the impact of flood on, a specific community or communities, **and** at least one of the following outcomes:

- reduction in expected future eligible expenditure under the *Disaster Recovery Funding Arrangements 2018*
- material improvement in the insurability of the existing *flood mitigation infrastructure*, and/or
- addresses relevant household or local government insurance affordability as a result of the *flood mitigation infrastructure*.

5.4.3 State and territory governments are required to provide assurance to the Australian Government that the evidence supporting claims of the achievability of relevant outcomes are authoritative and can be relied on.

5.5 State and territory governments must consult with local governments and communities

5.5.1 State and territory governments are required to consult with, and evidence the consultation with, relevant local governments and/or community or communities on the need for and decision to implement the specific *flood mitigation infrastructure project*.

5.5.2 State and territory governments may draw on consultation previously undertaken with appropriate local governments and/or community or communities, where it can be demonstrated that the consultation is relevant and that the outcomes of this consultation remain unchanged.

5.6 State and territory government must indicate the relevant priority of projects

5.6.1 State and territory governments are required to disclose and evidence each *project's* relative priority within the state or territory and why each *project* has been submitted for *program* funding.

5.6.2 If a state or territory government is submitting multiple applications, each *project* must be prioritised within that group of applications.

5.6.3 The framework for determining prioritisation must be clearly articulated to allow for a national level assessment of relative priority across multiple states and territories.

5.7 Processes for estimating cost of projects

5.7.1 Consistent with the *Disaster Recovery Funding Arrangements*³, the estimated *project* costs must be determined through:

- a market response, or
- cost estimation.

5.7.2 If 'market response' is the selected method, the applicable procurement processes must be followed when requesting pricing from the market.

5.7.3 If *cost estimation* is the selected method, *states* must verify the estimated **construction** cost by:

- using an internal engineer or quantity surveyor with the appropriate level of expertise and experience, or

³ Australian Government. Department of Home Affairs, (2018). *Disaster Recovery Funding Arrangements*. Canberra: Department of Home Affairs, page 29, sections 6.4.2, 6.4.6, and as relevant, 6.4.7.

- engaging an independent engineer or quantity surveyor with the appropriate level of expertise and experience.

5.8 Project cost exclusions

5.8.1 Estimated and actual *project* costs must not include:

- costs already incurred by the *applicant* or a local government, in the delivery of a *project* or *application* associated with this *program*
- costs already incurred or expected to be incurred by the *applicant* or a local government, in the development of a *project* or *application* associated with this *program*,
- costs already incurred by any party in relation to the maintenance, improvement or construction of the relevant *flood mitigation infrastructure*
- the cost of the acquisition of land or property.

5.9 State and territory governments must disclose other *project* funding sources and amounts

- 5.9.1 State and territory governments must disclose all *project* funding sources and amounts provided or committed in relation to the *flood mitigation infrastructure*.
- 5.9.2 State and territory governments are also required to disclose whether and how *projects* will be delivered if the full funding request is not available through the *program*.

5.10 Only *projects* that do not have an existing full funding commitment are eligible for *program* funding

- 5.10.1 *Projects* where the *program* funding would be used to replace funding already committed to the *project* from other sources are not eligible under this *program*.

6. Application and assessment processes

6.1 Application process

- 6.1.1 *Applications* must be approved by the respective state or territory government emergency management minister prior to submission to the *Minister*. Evidence of this approval should be submitted with the *application*.
- 6.1.2 Completed *applications* are to be provided to the *Minister*, through the *Department*, by 5pm AEDT on 12 February 2021.
- 6.1.3 *Applications* must be submitted using the Application Form template at Attachment A.
- 6.1.4 The Australian Government reserves the right to discuss the *application* or *project* and request additional information from the state or territory government through the *contact officer*.

6.2 Program Review Panel

- 6.2.1 The *program review panel* will consist of members of the *Department*, and other key Commonwealth agencies, as agreed by the Director General Emergency Management Australia. The *program review panel* will be chaired by a member of the *Department* delegated by the Director General Emergency Management Australia, being the Commonwealth official responsible for making recommendations to the *Minister* concerning the use of funding, in accordance with the *Emergency Response Fund Guidelines*.
- 6.2.2 *Program review panel* members will cover a range of relevant subject matter knowledge and expertise to ensure that:
 - *projects* and/or the *program* complement other Australian Government programs; and
 - there is no alternative funding source or duplication of proposals.
- 6.2.3 The *program review panel* will be responsible, where necessary, for substantiating with *applicants* any claims associated with flood risk, disaster recovery funding, insurance, and community impact where the evidence provided by an *applicant* is considered insufficient.
- 6.2.4 The Australian Government, through the *program review panel*, reserves the right to engage the services of a subject matter expert or representative from a non-government organisation, if required.
- 6.2.5 Allocations may also consider the advice of, and data provided by, Commonwealth agencies, such as the Bureau of Meteorology and the CSIRO.

6.3 Assessment principles

- 6.3.1 To ensure consistency, a predetermined assessment matrix, which refers to the eligibility and assessment criteria outlined in these *guidelines* will be used by the *program review panel*.
- 6.3.2 Assessment against this matrix will result in *applications* receiving a weighted score, which will be used to inform funding allocation decisions.

6.4 Equity principles

- 6.4.1 To ensure an equitable and transparent distribution of funds, allocations will be made based on the merit of each individual *application*.
- 6.4.2 Consideration will be given to the equitable distribution of the *program* funds to ensure all state and territory governments have an opportunity to receive support for their priority initiative.

6.4.3 'Equitable distribution' does not mean an equal distribution of *program* funds.

6.5 Decision making

6.5.1 The *Minister* is responsible for making decisions about *projects* to receive *program* funding and the amount of *program* funding to be allocated to a *project*.

6.5.2 Advice to the *Minister* on the projects recommended to receive program funding will be provided by the Director General of Emergency Management Australia, informed by the *program review panel*. The *Minister* may take into account other advice as appropriate.

6.6 Probity

6.6.1 The *Department* will administer the *program* with fairness, transparency, contestability and accountability.

6.6.2 The *Department* will ensure equality of access to information by developing a regularly updated guidance document that in response to relevant queries submitted to the Department.

7. Monitoring and reporting

7.1 Project reporting

- 7.1.1 State and territory governments must undertake regular monitoring and reporting in line with the project-by-project requirements outlined in the bilateral agreement.
- 7.1.2 The Australian Government may request additional information and/or reporting, outside the agreed milestones, if deemed necessary.
- 7.1.3 *Project reporting will be considered as supporting documentation during the audit and assurance process.*

8. Audit and assurance

8.1 Program assurance is informed by the *Disaster Recovery Funding Arrangements 2018* state assurance activities⁴

- 8.1.1 The objectives of the *program* assurance activities are to provide the Commonwealth with reasonable assurance over:
- each state or territory government's *Disaster Recovery Funding Arrangements Management System*, as it relates to state and territory government controls for:
 - market response
 - cost estimation
 - the eligibility and integrity of the expenditure included in the *project* expenditure acquittal form.
- 8.1.2 The *Department* will confirm, and the state or territory government must provide a copy of, the relevant assurance report provided for the purposes of the *Disaster Recovery Funding Arrangements 2018*⁵.

8.2 State and territory government are required to submit an audit report to acquit the *project*

- 8.2.1 State and territory governments in receipt of *program* funding are required to submit an audited *project* expenditure acquittal to the *Department* no later than nine months from the end of the financial year (that is, for the audit of the period 1 July 2020 – 30 June 2021, the audit report is due no later than 31 March 2022) in which the project was completed, unless otherwise specified in the funding agreement. This timeframe is consistent with the *Disaster Recovery Funding Arrangements*.
- 8.2.2 State and territory governments must engage the services of a *state appointed auditor* to undertake the audit activity.
- 8.2.3 On request from the *Department*, the *state appointed auditor* must be available to the *Department* or its auditor for consultation on the audited *project* expenditure acquittal.
- 8.2.4 The audited *project* expenditure acquittal must be in the form prescribed at **Attachment B**.

8.3 State, territory and local government must maintain appropriate records

- 8.3.1 State, territory and local governments must keep an accurate audit trail for seven (7) years from the end of the *project*.
- 8.3.2 The *Department* may, at any time, request documentation from *applicants* to evidence the state or territory government's compliance with any aspect of the *program*.
- 8.3.3 State and territory governments must make available to the *Department* within one (1) month all documentation relevant to a request by the *Department*.

⁴ Australian Government. Department of Home Affairs, (2018). *Disaster Recovery Funding Arrangements*. Canberra: Department of Home Affairs, page 44, section 10.

9. Public acknowledgement of Commonwealth funding

9.1 Joint announcements of approved *projects*

- 9.1.1 The announcement of an approved *project* or *projects* must be through a joint media release, or other joint announcement, unless otherwise agreed by the *Department*.
- 9.1.2 The *Department* and state or territory *contact officer* must work together on the details of a joint media release or other joint announcement.
- 9.1.3 When referring to an approved *project*, it must be described as:
- 'jointly funded by the Commonwealth and ^insert name of state^ under the National Flood Mitigation Infrastructure Program' or,
 - 'funded by the Commonwealth under the National Flood Mitigation Infrastructure Program.'

9.2 Arrangements for subsequent communication opportunities

- 9.2.1 State and territory governments, through the *contact officer*, must reach prior agreement with the *Department* on the nature and content of any subsequent events, announcements, promotional material or publicity relating to the *project*. This includes but is not limited to:
- any state or territory government media releases regarding the *project* or *program*
 - ceremonies related to the *project* or the specific *flood mitigation infrastructure*
 - media events that include reference to the *project* or *program*
 - plaques and signage related to the *project* and the specific *flood mitigation infrastructure*.

10. Attachment A – Application Form

National Flood Mitigation Infrastructure Program

Application covering sheet

This covering application form is to be submitted by the relevant state or territory government, and must refer to, and include all applications being submitted.

Regardless of the number of applications being submitted by a state or territory government, only one application covering sheet is required.

Grey instructional text should be deleted prior to submission.

Part 1 – Applicant Information	
State/territory	<i>Choose an item.</i>
Organisation/Department	<i>Name of the organisation submitting the application</i>
Contact Officer	<i>Details of the contact officer, including name, title, email and phone number.</i>

Part 2 – Submission overview	
Number of applications submitted	<i>Choose an item.</i>
Total value of bids submitted	<i>Provide an approximate total value of all applications submitted</i>
Name of applications submitted	<i>Using dot points, list the name of the applications submitted</i>
Are these applications eligible for funding as per the criteria outlined in the Program Guidelines?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Part 3 – Prioritisation	
Order of prioritisation	<i>Please place applications in order of prioritisation</i>
Basis for this prioritisation	<i>Please provide a basis for this prioritisation, including any evidence which may have influenced this prioritisation.</i>

Part 4 – Minister's clearance	
Minister's Name	
Title	
Date of clearance	

National Flood Mitigation Infrastructure Program

Project application form

This project application form is to be completed for each project that seeks funding from the National Flood Mitigation Infrastructure Program. In order for this application to be considered eligible, all sections must be completed, with the finalised application attached to the Application Covering Sheet, prepared by the relevant state or territory government.

Grey instructional text should be deleted prior to submission.

Part 1 – Application Overview	
State/territory	<i>Choose an item.</i>
Project name	<i>What is the name of the project?</i>
Will this project be delivered by a third party, such as a commercial service provider or through a local government?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Name of the third party or local government	<i>Name of the third party, such as the commercial service provider or local government who will be engaged to deliver the project.</i>
State/Territory Contact officer	<i>Details of the contact officer, including name, title, email and phone number</i>

Part 2 – Project Overview	
Will this project result in the construction of a new asset?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, where will this asset be located	<i>Provide clear details regarding the location of this asset</i>
Will this project result in the improvement of an existing asset?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, where is this asset located?	<i>Provide clear details regarding the location of this asset</i>
If yes, provide an overview of the works	<i>Provide an overview of the works that will be undertaken</i>

Part 3 – Existing Infrastructure	
Has the asset ever been impacted by a natural disaster?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, provide details of the event	<i>Provide details of the disaster/s, including impacts and associated recovery activities, including costs.</i>
Has financial assistance, such as that available under the Disaster Recovery Funding Arrangements, ever been received for this asset?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please provide details	<i>Outline the assistance provided under the Disaster Recovery Funding Arrangements, including the Australian Government Reference Number (AGRN).</i>
Has financial assistance previously been, or is currently being, provided through Commonwealth, state/territory or other initiatives to support this asset?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Part 4 – Detailed project overview	
Detailed project description	<i>Provide a detailed description of the project.</i>
Why is this project required?	<i>Clearly articulate why this project is required. What would be the consequences if this project was not undertaken?</i>
Are documents attached to provide evidence of this need?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What are the proposed outcomes for this project?	<i>Clearly articulate the proposed outcomes for this project, including community benefits.</i>
What is the proposed delivery timeframe for this project?	<i>Provide an overview of the proposed delivery timeframe for this project, i.e. when is it expected to be completed?</i>

Part 5 – Financial	
What is the estimated cost for this project?	<i>What is the estimated cost for this project?</i>
Will a co-contribution be provided?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, what is the value of the co-contribution?	<i>Outline the value of the co-contribution.</i>
If yes, who is providing the co-contribution?	<i>Provide an overview of who is providing the co-contribution (i.e. state or territory government, or local government) and outline if this funding is being provided on an ad hoc basis, or through an existing program.</i>

Part 6 – Community Consultation	
Has community consultation been undertaken prior to the submission of this application?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please provide details of this consultation	<i>Provide a detailed overview of the community consultation undertaken to support the development of this application, consideration should be given to the community feedback received, and how this shaped the application.</i>
Are documents attached to provide evidence of this consultation?	<input type="checkbox"/> Yes <input type="checkbox"/> No

11. Attachment B – Project acquittal documentation

National Flood Mitigation Infrastructure Program

Acquittal summary form

This acquittal summary form is to be completed by the state and territory government for each project that was provided with funding from the National Flood Mitigation Infrastructure Program.

The acquittal summary form must be submitted within three months after the completion of the project. In order for the acquittal summary form to be accepted by the Australian Government, all relevant information and attachments must be included, with the declaration completed by the relevant responsible officer.

Grey instructional text should be deleted prior to submission.

Part 1 – General Information	
State/territory	<i>Choose an item.</i>
Project name	<i>What is the name of the project, as per the original application?</i>
Project reference number	<i>What is the project reference number provided by the Australian Government?</i>
State/Territory Contact officer	<i>Details of the contact officer, including name, title, email and phone number</i>

Part 3 – Acquittal overview (Project outcomes)	
Was the project delivered as per the bilateral agreement established between ^state name^ and the Australian Government?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If no, please justify.	<i>Provide a detailed justification outlining why the project was not delivered in line with the terms and conditions outlined in the bilateral agreement. What impact did this have on the project?</i>

Part 2 – Financial Information	
Amount allocated to the project	<i>The amount allocated to the project under the National Flood Mitigation Infrastructure Program. This figures should not include the value of a co-contribution (if applicable).</i>
Value of the funding being acquitted	<i>The value of the funding being acquitted in this acquittal summary form.</i>
Was a co-contribution provided?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, what was the value of the co-contribution?	<i>The value of the co-contribution provided.</i>
If yes, who provided the co-contribution?	<i>Provide an overview of who provided the co-contribution (i.e. state or territory government, or local government) and outline if the funding was provided on an ad hoc basis, or through an existing program.</i>

Part 3 – Acquittal overview (Financial)	
Was the project delivered in line with the requirements outlined in the <i>National Flood Mitigation Infrastructure Program Program Guidelines</i> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No

If no, please justify.	<i>Provide a detailed justification outlining why the project was not delivered in line with the requirements outlined in the National Flood Mitigation Program Program Guidelines.</i>
Where allocated funds used for ineligible expenses as outlined in section 5.7 of the <i>National Flood Mitigation Infrastructure Program Program Guidelines</i> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please detail.	<i>Provide a detailed justification outlining why funds provided under the National Flood Mitigation Infrastructure Program where used for ineligible expenses.</i>

Part 4 – Supporting documentation

Is the Financial Statement Claim attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No
As per section 7.2 of the <i>National Flood Mitigation Infrastructure Program Program Guidelines</i> is a report from the state appointed auditor attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there financial documentation, such as contracts, invoices, receipts etc. attached to support this acquittal?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there additional documentation attached to support this acquittal?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please specify.	

Part 5 – Declaration

We/I certify that ^organisation and/or department name^ has delivered ^project name^ under the National Flood Mitigation Infrastructure Program and in line with the requirements outlined in the bilateral agreement, established with the Australian Government on ^date^.

We/I certify that project activities, including expenditure, align and comply with the criteria set out in the National Flood Mitigation Infrastructure Program, Program Guidelines.

We/I acknowledge that records relating to this funding must be kept for a minimum of seven (7) years. We also acknowledge that the Australian Government may request additional information, or conduct an audit to verify the accuracy of information contained in this acquittal summary form.

Name	
Title	
Signature	
Date	

National Flood Mitigation Infrastructure Program

Financial statement claim form

To support the acquittal summary form, the state and territory government must complete the financial statement claim form for each project that was provided with funding from the National Flood Mitigation Infrastructure Program.

The headings in the financial statement claim form template should be amended, if required, to ensure expenditure is accurately outlined. Sub-headings should be included, where possible to assist with breaking down costs.

The declaration must be completed by the relevant responsible officer.

All relevant expenditure must be outlined in the table below, with the final figure to add up to the amount provided by the Australian Government.

	Net expenditure	Value of co-contribution (if applicable)	Australian Government Contribution
Project Management Costs			
<i>Total Project Management Costs</i>			
Construction Costs			
<i>Total Construction Costs</i>			
Audit and Assurance Costs			
<i>Total Audit and Assurance Costs</i>			

Declaration	
I certify the above stated expenditure by the ^state or territory name^ government is correct and conforms to the National Flood Mitigation Infrastructure Program, Program Guidelines, and the terms and conditions outlined in the bilateral agreement, established on ^data^.	
Name	
Title	
Signature	
Date	



OFFICIAL // Sensitive

National Flood Mitigation Infrastructure Program (NFMIP) Assessment Methodology and Matrix

Methodology

During the panel discussion a number of criteria emerged which assisted the panel members with their assessment. These discussions were captured in the final Panel Assessment Spreadsheet. As a result 54 projects were not shortlisted based on the NFMIP eligibility criteria guidelines and additional considerations listed below:

- Projects relating to road works and upgrades that may be eligible to apply for funding under Department of Infrastructure road funding.
- Projects that could potentially receive support from another funding source.
- Projects relating to drainage/ storm water issues and general maintenance that can be managed by local council or state government.
- Projects that lacked evidence to support the claims in the application.
- Projects that lacked community consultation or did not demonstrate strong community flood mitigation benefits.
- Projects that did not meet the definition of an essential public asset.
- Projects that may hinder or conflict with already established Commonwealth emergency management initiatives.
- Projects that may be based on or result in poor urban planning, or may increase risk by opening up residential land in high risk flood zones.
- Projects that included beautification elements were clarified with the applicants, as the program should not fund any such elements.

Assessment Matrix

The below matrix was used by Panel members to score each project against the criteria. These weighted scores were compiled in the final Panel Assessment Spreadsheet to form the shortlist.

CRITERIA FROM GUIDELINES	EXPECTED OUTCOME	Not at all OR Not involved (Score - 0)	Satisfactory (Score - 1)	Good (Score - 2)	Excellent (Score - 3)	
Mandatory criteria (Must fulfil at least one)	Reduces flood risk to community (i.e. less likely to flood) (Weighting 25%)					0.00%
	Reduces impact of flood on community (e.g. impact – egress/supplies) (Weighting 25%)					0.00%
Other criteria (Must fulfil at least one or more)	Reduction of DRFA eligible costs (Weighting 20%)					0.00%
	Increase in asset insurability (Weighting 10%)					0.00%
	Community or local government insurance affordability (Weighting 20%)					0.00%

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From: s 47F
To: s. 47E(c), s. 47F(1)
Cc: s 47F; [National Flood Mitigation Infrastructure Fund](#)
Subject: National Flood Mitigation Infrastructure Program - Application Assessment Matrix [SEC=OFFICIAL]
Date: Wednesday, 10 March 2021 5:20:48 PM
Attachments: [NFMIP - Assessment Matrix - For Panel Distribution.docx](#)

OFFICIAL

Good afternoon all

We have now rescheduled the panel meeting until next Wednesday and distributed hard copy packs. The packs are unclassified.

Please find attached the matrix to assist in assessment of the applications.

If you have any questions, please don't hesitate to contact me.

Kind regards,

s 47F

s 47F

Director, EM Strategy
Disaster Preparedness Branch | EMC Plans and Capability Division
Emergency Management and Coordination Group
Department of Home Affairs
P: s 47F | M: s 47F
E: s 47F [@homeaffairs.gov.au](mailto:s 47F@homeaffairs.gov.au)

****Please note my working hours are Monday – Thursday***

OFFICIAL



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National Flood Mitigation Infrastructure Program – Assessment Matrix

State: Project: Priority: Cost: Co-contribution:		SCALED RATING (Tick the most appropriate box)				COMMENTS
CRITERIA FROM GUIDELINES	EXPECTED OUTCOME	Not at all OR Not involved	Satisfactory	Good	Excellent	
Mandatory criteria (Must fulfil at least one)	Reduces flood risk to community (i.e. less likely to flood)					
	Reduces impact of flood on community (e.g. impact – egress/supplies)					
Other criteria (Must fulfil at least one or more)	Reduction of DRFA eligible costs					
	Increase in asset insurability					
	Community or local government insurance affordability					
Can the project be delivered with partial Commonwealth funding contribution? Based on the above criteria/outcomes, does this project deliver sufficient outcomes for the cost involved?			Can this project be delivered through other Government funding programs?			
Risks / Issues						

Document 23

s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



s 47B, s 47C, s 47E(d)



CRITERIA WEIGHTED SCORE

CRITERIA FROM GUIDELINES	EXPECTED OUTCOME	
Mandatory criteria (Must fulfil at least one)	Reduces flood risk to community (i.e. less likely to flood)	25.00%
	Reduces impact of flood on community (e.g. impact – egress/supplies)	25.00%
Other criteria (Must fulfil at least one or more)	Reduction of DRFA eligible costs	20.00%
	Increase in asset insurability	10.00%
	Community or local government insurance affordability	20.00%

100.00%

s 47B, s 47C, s 47E(d)



From: [National Flood Mitigation Infrastructure Fund](#)
To: s 47E(d), s 47F
Cc: s 47F ; [EMA Coordination](#); s 47F
Subject: Outcomes of the National Flood Mitigation Infrastructure Program [SEC=UNOFFICIAL]
Date: Tuesday, 11 May 2021 12:06:15 PM
Attachments: [image001.png](#)
[210510 Media Release Money flowing to stop future flooding.pdf](#)

UNOFFICIAL

Good morning Panel members,

Thank you again for your participation on the Program Review Panel for the National Flood Mitigation Infrastructure Program.

Yesterday the Minister for Agriculture, Drought and Emergency Management announced that the Commonwealth will fund or co-fund 22 of the projects received under the program, totalling \$50 million (see attached media release). The projects are:

- Australian Capital Territory, Goliath Court Flood Mitigation
- Australian Capital Territory, Mawson Stormwater Improvements
- New South Wales, Yoogali McCormack Levee Upgrades
- New South Wales, Cessnock Levee (Bund Wall)
- New South Wales, Holbrook Levee
- New South Wales, Hanwood Stormwater Pump and Levee
- New South Wales, Bellambi Gully Channel Improvement
- New South Wales, Fairfield Golf Course Detention Basin Upgrade
- Northern Territory, Katherine Flood Mitigation Levee South
- Queensland, Armstrong Creek Causeway, Normanton to Burketown
- Queensland, Floraville and Truganini Roads Upgrades, Burketown to Normanton
- Queensland, Dutton Street Bridge (Palm Creek Crossing), Ingham
- South Australia, Two Wells Township Levee
- South Australia, Prospect Drainage Scheme Upgrade – Stage 1
- Tasmania, Latrobe Council – Latrobe Flood Levees
- Tasmania, South Hobart Primary School Flood Mitigation Stage 2 Works

- Tasmania, Kingsborough Council – Kingston Rivulet
- Tasmania, Waratah – Wynyard Council – Port Creek Mitigation Works
- Victoria, Wangaratta Urban Flood Mitigation Infrastructure
- Victoria, Castlemaine and Campbell’s Creek Levee
- Victoria, Carisbrook Township Western Levee
- Western Australia, Warmun Community Risk Mitigation

Home Affairs will work with the states and territories to establish the necessary agreements to facilitate the transfer of the relevant funds before the end of the financial year.

We are currently reviewing the Program Guidelines and would appreciate your feedback on the Guidelines and the assessment process.

We appreciate the time and effort involved in assessing these projects and sincerely thank you for your contribution to the program.

If you have any questions regarding the program, please don’t hesitate to contact me.

Kind regards,

s 47F

National Flood Mitigation Infrastructure Program
Emergency Management and Coordination
Department of Home Affairs

national.flood.mitigation@homeaffairs.gov.au

P: s 47F | M: s 47F

E: s 47F @homeaffairs.gov.au

From: Ferguson, Douglas <Douglas.Ferguson@awe.gov.au>

Sent: Monday, 10 May 2021 5:44 PM

Subject: Media Release Money flowing to stop future flooding [SEC=UNOFFICIAL]

Crest - good!



The Hon. David Littleproud MP
Minister for Agriculture, Drought and
Emergency Management
Deputy Leader of the Nationals

Monday 10th May 2021

Money flowing to stop future flooding

The Australian Government is providing \$50 million for projects across the country under the National Flood Mitigation Infrastructure Program, Minister for Emergency Management, David Littleproud, announced today.

The Australian Government will fund or co-fund 22 separate projects in each state and territory to assist our communities to prepare for future flood events.

“We’re taking these steps to protect Australian communities, individuals and businesses from an increasingly complex natural hazard environment,” Minister Littleproud said.

“Communities are going to see the benefits from this program through a reduction in the impacts of major flooding events, with additional benefits such as lower insurance costs and local job creation,” he said.

“The funding for flood mitigation projects reflects the Australian Government’s commitment to helping local communities prepare for major rainfall and flood events, such as those we witnessed in February and March this year.

This funding is made possible through the Government’s \$4 billion Emergency Response Fund, established in December 2019.

The ERF is a dedicated Australian Government investment fund. Under the legislation establishing the fund, \$50 million may be drawn on each year to assist communities to build resilience and prepare for future natural disasters.

Successful projects to receive funding under the National Flood Mitigation Infrastructure Program this year are:

- Australian Capital Territory, Goliath Court Flood Mitigation
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- Victoria, Wangaratta Urban Flood Mitigation Infrastructure
- Victoria, Castlemaine and Campbell's Ck Levee
- Victoria, Carisbrook Township Western Levee
- Western Australia, Warmun Community Risk Mitigation

Media contacts:

0455 448 985

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UNOFFICIAL



The Hon. David Littleproud MP
Minister for Agriculture, Drought and
Emergency Management
Deputy Leader of the Nationals

M E D I A R E L E A S E

Monday 10th May 2021

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- Queensland, Armstrong Creek Causeway, Normanton to Burketown
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- Victoria, Carisbrook Township Western Levee
- Western Australia, Warmun Community Risk Mitigation

Media contacts:

Douglas Ferguson 0455 448 985 (Minister Littleproud)



National Flood Mitigation Infrastructure Program

Guidelines January 2021

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Change log

Version	Date	Changes
v1.0	11 December 2020	Original program guidelines document
v1.1	28 January 2021	<p>Added <i>application</i> key term.</p> <p>(new) 2.1.3 Added contact information.</p> <p>(new) 4.2.4 Clarified Departmental funding of project costs.</p> <p>(new) 5.1 Added Application Form Criteria</p> <p>(new) 5.1.1 Clarified application submission destination.</p> <p>(new) 5.2.3 Clarified role of local governments in program applications.</p> <p>5.3 Clarified the definition of flood mitigation infrastructure for the purposes of funding eligibility.</p> <p>(new) 5.3.3 Added additional information on what flood mitigation infrastructure may include.</p> <p>5.7 Clarified process for estimating costs.</p> <p>5.8 Clarified project cost exclusions.</p> <p>6. Corrected numbering of sections.</p> <p>6.2.1 Changed approver of panel membership to Director General Emergency Management Australia.</p> <p>6.6.2 Added equality of access to information.</p> <p>8.1 Clarified applicability of <i>Disaster Recovery Funding Arrangements 2018</i> state assurance activities.</p> <p>8.2.1 Aligned timing of the submission audit reporting with the <i>Disaster Recovery Funding Arrangements 2018</i>.</p> <p>General formatting updates.</p>

1. Glossary of key terms

Key term	Definition
applicant	The state or territory government applying funding under the <i>program</i> .
application	The method undertaken by the applicant in order to request funding under the <i>program</i> .
contact officer	The key working level contact identified by the <i>applicant</i> as the primary point of contact for all engagements on the application or program following submission of the application.
Council of Australian Governments (COAG)	Primary intergovernmental forum in Australia from 1992 to 2020.
Department	The Department of Home Affairs responsible for administering the <i>program</i> .
Disaster Recovery Funding Arrangements 2018	The arrangements under which the Australian Government provides financial assistance to state and territory governments to assist relief and recovery activities following an eligible natural disaster.
Disaster Recovery Funding Arrangements Management System	The processes and controls implemented by a state or territory government agency and third-party organisations (where applicable) in relation to an estimated reconstruction cost, as defined by the <i>Disaster Recovery Funding Arrangements 2018</i> .
Emergency Response Fund (ERF)	<p>The Emergency Response Fund was established in December 2019 and is administered under the <i>Emergency Response Fund Act 2019</i>, with operational guidance provided in the <i>Emergency Response Fund Program Guidelines</i>.</p> <p>The Emergency Response Fund provides \$150 million annually to support emergency response and recovery from natural disasters in Australia that have a significant or catastrophic impact.</p> <p>The Emergency Response Fund also provides an additional \$50 million annually to build resilience to, prepare for, or reduce the risk of future disasters, or build the long-term sustainability of communities that are at risk of being affected by a future disaster.</p>
Emergency Response Fund Act 2019	The legislation that establishes the Emergency Response Fund.
essential public asset	Defined as ‘an asset which must be a transport or public infrastructure asset of an eligible undertaking which, the state considers, and the department agrees, is an integral part of a state’s infrastructure and normal functioning of a community’ as per the <i>Disaster Recovery Funding Arrangements 2018</i> .
flood mitigation infrastructure	An essential public asset with the primary purpose of reducing the risk of flood to, and/or impact of flooding on, a community or communities.
Minister	The Minister for Agriculture, Drought and Emergency Management who is the accountable authority for the program.
National Disaster Risk Reduction Framework	The framework developed by the Australian Government that outlines the strategic priorities, drivers for action and guiding principles for national disaster risk reduction activities.
program	The National Flood Mitigation Infrastructure Program 2020-21.

Key term	Definition
program administrator	A member and/or section within the Emergency Management and Coordination Group of the Department of Home Affairs.
program review panel	The expert panel established to ensure the success of the program through the impartial assessment of applications and development of evidence-based recommendations.
project	A flood mitigation infrastructure activity undertaken by the relevant state and territory government in the context of the program.
recipient	The state and territory government receiving program funding for a successful project.
state appointed auditor	An auditor appointed by the state or territory government to conduct audit and assurance activities.

2. Overview

2.1 Purpose

- 2.1.1 These guidelines provide information on the administration of the National Flood Mitigation Infrastructure Program (the *program*). The intended users are the Australian Government, as the *program administrator*, and state and territory governments, as the intended *applicants*.
- 2.1.2 These guidelines may be updated at any time during the course of the *program* to provide further details as they arise, while maintaining the integrity and transparency of the program.
- 2.1.3 Queries regarding the *program* should be directed to national.flood.mitigation@homeaffairs.gov.au

2.2 Context

- 2.2.1 Many Australian communities are exposed to flooding, with varied impacts and damage that can be substantial and devastating. The Australian Government, in the State of the Climate 2020, reported that heavy rainfall events in Australia are becoming more intense, with an increase in the intensity of short-duration extreme rainfalls. Such events are associated with flash flooding and an increased risk to communities. Further, Deloitte Access Economics¹ found flooding to be the most costly natural hazard-related cause of disaster when both tangible and intangible losses are taken into account. However, for many households and communities the ability to reduce flood risk is beyond their control.
- 2.2.2 This *program* reflects the Australian Government's commitment to support impactful, national flood mitigation priorities through the provision of \$50 million in 2020-21 from the Emergency Response Fund. In line with National Priority 3: Enhanced investment of the *National Disaster Risk Reduction Framework*², the *program* will target high priority locally and nationally significant flood mitigation infrastructure activities, with a view to maximising broader social and economic outcomes, including through limiting future disaster recovery needs and costs.

2.3 Program purpose and outcomes

- 2.3.1 The *program* will contribute to, or pay for, the improvement or construction of *flood mitigation infrastructure* to support local communities mitigate their priority flood risks and reduce the impact of flood events.
- 2.3.2 The outcomes to be achieved through the *program* are:
- reduction in the impact of future floods on a specific community or communities
 - reduction in the expected future eligible expenditure under the Disaster Recovery Funding Arrangements 2018
 - positive change in the insurability of the existing flood mitigation infrastructure
 - addressing relevant household or local government insurance affordability as a result of the improvement or construction of the flood mitigation infrastructure
 - ancillary to the above, local job creation.

¹ Deloitte Access Economics, (2019). *The social and economic cost of the North and Far North Queensland Monsoon Trough*. Brisbane: Queensland Reconstruction Authority.

² Australian Government. Department of Home Affairs, (2018). *National Disaster Risk Reduction Framework*. Canberra: Department of Home Affairs.

3. Timeframes

3.1 Delivery timeframes

- 3.1.1 Applications for the *program* will open on 21 December 2020, and **close at 5pm AEST on 12 February 2021**.
- 3.1.2 The Australian Government *project review panel* will assess applications in early 2021, with the intent to make a recommendation to the *Minister* and announce successful *projects* in March 2021.
- 3.1.3 Funding agreements with relevant state and territory governments will be established following this announcement, with the first milestone payment to be made prior to 30 June 2021.

3.2 Milestones

- 3.2.1 *Project* specific timeframes, including estimated date of completion, and delivery milestones will be determined with the relevant state and territory governments during the development of the bilateral agreement.

4. Funding and agreements

4.1 Funding source

- 4.1.1 The *program* is funded from the \$50 million component of the *Emergency Response Fund* and is made available through the *Council of Australian Governments (COAG) Reform Fund*.
- 4.1.2 The *Emergency Response Fund* is intended to complement existing sources of funding for relevant activities.

4.2 Allocation of funding

- 4.2.1 A maximum of \$50 million is available in 2020-21 for the *program*. Allocations will consider:
- prioritisation of projects submitted by the state and territory government
 - availability of other Australian Government funding sources
 - relative flood risk and mitigation impact
 - reduction of relevant household or local government insurance premiums;
 - likelihood of project success, and
 - equitable share across all state and territory jurisdictions, where possible and reasonable.
- 4.2.2 There is no funding cap for each application or limit on the number of *applications* that can be submitted by a state or territory government.
- 4.2.3 A co-contribution from the state or territory government, and/or other appropriate funding partners is desirable but not essential.
- 4.2.4 The *Department* may provide funding for some or all of the estimated project costs.

4.3 Project funding agreements

- 4.3.1 Funding for successful *project* proposals will be provided to state and territory governments through the establishment of a relevant funding arrangement under *the Intergovernmental Agreement on Federal Financial Relations*.

5. Eligibility criteria

5.1 Application form criteria

5.1.1 An *application* will only be deemed valid for assessment if the application:

- is made using the provided Application Form (see Attachment A)
- is complete with all particulars
- is submitted by a state or territory government agency
- demonstrates support by the relevant state or territory emergency management minister
- is provided to the *Department* via email at national.flood.mitigation@homeaffairs.gov.au, and
- is provided to the *Department* by 5pm AEST 12 February 2021.

5.2 Only a state or territory government may apply for *program* funding

5.2.1 Only a state or territory government may apply for *program* funding. However, a state or territory government may use a third party to deliver the *project* on its behalf, including through the procurement of a commercial service provider or through funding a local government.

5.2.2 This does not diminish the responsibility of state and territory governments to assure and audit the project's preservation of eligibility, integrity and expenditure. Further details are at Section 8: Audit and Assurance.

5.2.3 Interested local governments with eligible *projects* should contact their state or territory government's emergency management agency to discuss the state or territory government's support for and submission of that *project* on the local government's behalf.

5.3 Only *flood mitigation infrastructure* may be eligible for *program* funding

5.3.1 *Flood mitigation infrastructure* is an *essential public asset*, as defined in the *Disaster Recovery Funding Arrangements 2018*, with the primary purpose of reducing the risk of flood to, and/or impact of flooding on, a community or communities.

5.3.2 Eligible infrastructure may include, but is not limited to: dams, levees, bridges, culverts and other drainage systems, rainfall and river height measurement systems, weather radar systems and flood warning infrastructure, where that infrastructure appropriately meets the definition of *flood mitigation infrastructure*.

5.3.3 *Flood mitigation infrastructure* may also include non-physical components, such as specific information technologies, that in their absence would render the flood mitigation infrastructure wholly inoperable.

5.3.4 State and territory governments are responsible for assessing and demonstrating that the infrastructure is *flood mitigation infrastructure* in accordance with paragraphs 5.3.1 to 5.3.3 above.

- Such evidence may include businesses cases, flood mitigation strategies and other supporting documentation that demonstrates eligibility.

5.4 A project must be for the improvement of an existing or construction of a new *flood mitigation infrastructure*

5.4.1 State and territory governments may apply for *program* funding to support the improvement of an existing or the construction of a new *flood mitigation infrastructure*.

5.4.2 The improvement of an existing, or the construction of new, *flood mitigation infrastructure* must have an outcome of reducing flood risk to, **and** the impact of flood on, a specific community or communities, **and** at least one of the following outcomes:

- reduction in expected future eligible expenditure under the *Disaster Recovery Funding Arrangements 2018*
- material improvement in the insurability of the existing *flood mitigation infrastructure*, and/or
- addresses relevant household or local government insurance affordability as a result of the *flood mitigation infrastructure*.

5.4.3 State and territory governments are required to provide assurance to the Australian Government that the evidence supporting claims of the achievability of relevant outcomes are authoritative and can be relied on.

5.5 State and territory governments must consult with local governments and communities

5.5.1 State and territory governments are required to consult with, and evidence the consultation with, relevant local governments and/or community or communities on the need for and decision to implement the specific *flood mitigation infrastructure project*.

5.5.2 State and territory governments may draw on consultation previously undertaken with appropriate local governments and/or community or communities, where it can be demonstrated that the consultation is relevant and that the outcomes of this consultation remain unchanged.

5.6 State and territory government must indicate the relevant priority of *projects*

5.6.1 State and territory governments are required to disclose and evidence each *project's* relative priority within the state or territory and why each *project* has been submitted for *program* funding.

5.6.2 If a state or territory government is submitting multiple applications, each *project* must be prioritised within that group of applications.

5.6.3 The framework for determining prioritisation must be clearly articulated to allow for a national level assessment of relative priority across multiple states and territories.

5.7 Processes for estimating cost of *projects*

5.7.1 Consistent with the *Disaster Recovery Funding Arrangements*³, the estimated *project* costs must be determined through:

- a market response, or
- cost estimation.

5.7.2 If 'market response' is the selected method, the applicable procurement processes must be followed when requesting pricing from the market.

5.7.3 If *cost estimation* is the selected method, *states must* verify the estimated **construction** cost by:

- using an internal engineer or quantity surveyor with the appropriate level of expertise and experience, or

³ Australian Government. Department of Home Affairs, (2018). *Disaster Recovery Funding Arrangements*. Canberra: Department of Home Affairs, page 29, sections 6.4.2, 6.4.6, and as relevant, 6.4.7.

- engaging an independent engineer or quantity surveyor with the appropriate level of expertise and experience.

5.8 Project cost exclusions

5.8.1 Estimated and actual *project* costs must not include:

- costs already incurred by the *applicant* or a local government, in the delivery of a *project* or *application* associated with this *program*
- costs already incurred or expected to be incurred by the *applicant* or a local government, in the development of a *project* or *application* associated with this *program*,
- costs already incurred by any party in relation to the maintenance, improvement or construction of the relevant *flood mitigation infrastructure*
- the cost of the acquisition of land or property.

5.9 State and territory governments must disclose other *project* funding sources and amounts

5.9.1 State and territory governments must disclose all *project* funding sources and amounts provided or committed in relation to the *flood mitigation infrastructure*.

5.9.2 State and territory governments are also required to disclose whether and how *projects* will be delivered if the full funding request is not available through the *program*.

5.10 Only *projects* that do not have an existing full funding commitment are eligible for *program* funding

5.10.1 *Projects* where the *program* funding would be used to replace funding already committed to the *project* from other sources are not eligible under this *program*.

6. Application and assessment processes

6.1 Application process

- 6.1.1 *Applications* must be approved by the respective state or territory government emergency management minister prior to submission to the *Minister*. Evidence of this approval should be submitted with the *application*.
- 6.1.2 Completed *applications* are to be provided to the *Minister*, through the *Department*, by **5pm AEDT on 12 February 2021**.
- 6.1.3 *Applications* must be submitted using the Application Form template at **Attachment A**.
- 6.1.4 The Australian Government reserves the right to discuss the *application* or *project* and request additional information from the state or territory government through the *contact officer*.

6.2 Program Review Panel

- 6.2.1 The *program review panel* will consist of members of the *Department*, and other key Commonwealth agencies, as agreed by the Director General Emergency Management Australia. The *program review panel* will be chaired by a member of the *Department* delegated by the Director General Emergency Management Australia, being the Commonwealth official responsible for making recommendations to the *Minister* concerning the use of funding, in accordance with the *Emergency Response Fund Guidelines*.
- 6.2.2 *Program review panel* members will cover a range of relevant subject matter knowledge and expertise to ensure that:
- *projects* and/or the *program* complement other Australian Government programs; and
 - there is no alternative funding source or duplication of proposals.
- 6.2.3 The *program review panel* will be responsible, where necessary, for substantiating with *applicants* any claims associated with flood risk, disaster recovery funding, insurance, and community impact where the evidence provided by an *applicant* is considered insufficient.
- 6.2.4 The Australian Government, through the *program review panel*, reserves the right to engage the services of a subject matter expert or representative from a non-government organisation, if required.
- 6.2.5 Allocations may also consider the advice of, and data provided by, Commonwealth agencies, such as the Bureau of Meteorology and the CSIRO.

6.3 Assessment principles

- 6.3.1 To ensure consistency, a predetermined assessment matrix, which refers to the eligibility and assessment criteria outlined in these *guidelines* will be used by the *program review panel*.
- 6.3.2 Assessment against this matrix will result in *applications* receiving a weighted score, which will be used to inform funding allocation decisions.

6.4 Equity principles

- 6.4.1 To ensure an equitable and transparent distribution of funds, allocations will be made based on the merit of each individual *application*.
- 6.4.2 Consideration will be given to the equitable distribution of the *program* funds to ensure all state and territory governments have an opportunity to receive support for their priority initiative.

6.4.3 'Equitable distribution' does not mean an equal distribution of *program* funds.

6.5 Decision making

6.5.1 The *Minister* is responsible for making decisions about *projects* to receive *program* funding and the amount of *program* funding to be allocated to a *project*.

6.5.2 Advice to the *Minister* on the projects recommended to receive program funding will be provided by the Director General of Emergency Management Australia, informed by the *program review panel*. The *Minister* may take into account other advice as appropriate.

6.6 Probity

6.6.1 The *Department* will administer the *program* with fairness, transparency, contestability and accountability.

6.6.2 The *Department* will ensure equality of access to information by developing a regularly updated guidance document that in response to relevant queries submitted to the Department.

7. Monitoring and reporting

7.1 Project reporting

- 7.1.1 State and territory governments must undertake regular monitoring and reporting in line with the project-by-project requirements outlined in the bilateral agreement.
- 7.1.2 The Australian Government may request additional information and/or reporting, outside the agreed milestones, if deemed necessary.
- 7.1.3 *Project* reporting will be considered as supporting documentation during the audit and assurance process.

8. Audit and assurance

8.1 Program assurance is informed by the *Disaster Recovery Funding Arrangements 2018* state assurance activities⁴

8.1.1 The objectives of the *program* assurance activities are to provide the Commonwealth with reasonable assurance over:

- each state or territory government's *Disaster Recovery Funding Arrangements Management System*, as it relates to state and territory government controls for:
 - market response
 - cost estimation
 - the eligibility and integrity of the expenditure included in the *project* expenditure acquittal form.

8.1.2 The *Department* will confirm, and the state or territory government must provide a copy of, the relevant assurance report provided for the purposes of the *Disaster Recovery Funding Arrangements 2018*⁵.

8.2 State and territory government are required to submit an audit report to acquit the *project*

8.2.1 State and territory governments in receipt of *program* funding are required to submit an audited *project* expenditure acquittal to the *Department* no later than nine months from the end of the financial year (that is, for the audit of the period 1 July 2020 – 30 June 2021, the audit report is due no later than 31 March 2022) in which the project was completed, unless otherwise specified in the funding agreement. This timeframe is consistent with the *Disaster Recovery Funding Arrangements*.

8.2.2 State and territory governments must engage the services of a *state appointed auditor* to undertake the audit activity.

8.2.3 On request from the *Department*, the *state appointed auditor* must be available to the *Department* or its auditor for consultation on the audited *project* expenditure acquittal.

8.2.4 The audited *project* expenditure acquittal must be in the form prescribed at **Attachment B**.

8.3 State, territory and local government must maintain appropriate records

8.3.1 State, territory and local governments must keep an accurate audit trail for seven (7) years from the end of the *project*.

8.3.2 The *Department* may, at any time, request documentation from *applicants* to evidence the state or territory government's compliance with any aspect of the *program*.

8.3.3 State and territory governments must make available to the *Department* within one (1) month all documentation relevant to a request by the *Department*.

⁴ Australian Government. Department of Home Affairs, (2018). *Disaster Recovery Funding Arrangements*. Canberra: Department of Home Affairs, page 44, section 10.

9. Public acknowledgement of Commonwealth funding

9.1 Joint announcements of approved *projects*

- 9.1.1 The announcement of an approved *project* or *projects* must be through a joint media release, or other joint announcement, unless otherwise agreed by the *Department*.
- 9.1.2 The *Department* and state or territory *contact officer* must work together on the details of a joint media release or other joint announcement.
- 9.1.3 When referring to an approved *project*, it must be described as:
- ‘jointly funded by the Commonwealth and ^{^insert name of state^} under the National Flood Mitigation Infrastructure Program’ or,
 - ‘funded by the Commonwealth under the National Flood Mitigation Infrastructure Program.’

9.2 Arrangements for subsequent communication opportunities

- 9.2.1 State and territory governments, through the *contact officer*, must reach prior agreement with the *Department* on the nature and content of any subsequent events, announcements, promotional material or publicity relating to the *project*. This includes but is not limited to:
- any state or territory government media releases regarding the *project* or *program*
 - ceremonies related to the *project* or the specific *flood mitigation infrastructure*
 - media events that include reference to the *project* or *program*
 - plaques and signage related to the *project* and the specific *flood mitigation infrastructure*.

10. Attachment A – Application Form

National Flood Mitigation Infrastructure Program

Application covering sheet

This covering application form is to be submitted by the relevant state or territory government, and must refer to, and include all applications being submitted.

Regardless of the number of applications being submitted by a state or territory government, only one application covering sheet is required.

Grey instructional text should be deleted prior to submission.

Part 1 – Applicant Information

State/territory	<i>Choose an item.</i>
Organisation/Department	<i>Name of the organisation submitting the application</i>
Contact Officer	<i>Details of the contact officer, including name, title, email and phone number.</i>

Part 2 – Submission overview

Number of applications submitted	<i>Choose an item.</i>
Total value of bids submitted	<i>Provide an approximate total value of all applications submitted</i>
Name of applications submitted	<i>Using dot points, list the name of the applications submitted</i>
Are these applications eligible for funding as per the criteria outlined in the Program Guidelines?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Part 3 – Prioritisation

Order of prioritisation	<i>Please place applications in order of prioritisation</i>
Basis for this prioritisation	<i>Please provide a basis for this prioritisation, including any evidence which may have influenced this prioritisation.</i>

Part 4 – Minister’s clearance

Minister’s Name	
Title	
Date of clearance	

National Flood Mitigation Infrastructure Program

Project application form

This project application form is to be completed for each project that seeks funding from the National Flood Mitigation Infrastructure Program. In order for this application to be considered eligible, all sections must be completed, with the finalised application attached to the Application Covering Sheet, prepared by the relevant state or territory government.

Grey instructional text should be deleted prior to submission.

Part 1 – Application Overview	
State/territory	<i>Choose an item.</i>
Project name	<i>What is the name of the project?</i>
Will this project be delivered by a third party, such as a commercial service provider or through a local government?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Name of the third party or local government	<i>Name of the third party, such as the commercial service provider or local government who will be engaged to deliver the project.</i>
State/Territory Contact officer	<i>Details of the contact officer, including name, title, email and phone number</i>

Part 2 – Project Overview	
Will this project result in the construction of a new asset?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, where will this asset be located	<i>Provide clear details regarding the location of this asset</i>
Will this project result in the improvement of an existing asset?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, where is this asset located?	<i>Provide clear details regarding the location of this asset</i>
If yes, provide an overview of the works	<i>Provide an overview of the works that will be undertaken</i>

Part 3 – Existing Infrastructure	
Has the asset ever been impacted by a natural disaster?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, provide details of the event	<i>Provide details of the disaster/s, including impacts and associated recovery activities, including costs.</i>
Has financial assistance, such as that available under the Disaster Recovery Funding Arrangements, ever been received for this asset?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please provide details	<i>Outline the assistance provided under the Disaster Recovery Funding Arrangements, including the Australian Government Reference Number (AGRN).</i>
Has financial assistance previously been, or is currently being, provided through Commonwealth, state/territory or other initiatives to support this asset?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Part 4 – Detailed project overview	
Detailed project description	<i>Provide a detailed description of the project.</i>
Why is this project required?	<i>Clearly articulate why this project is required. What would be the consequences if this project was not undertaken?</i>
Are documents attached to provide evidence of this need?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What are the proposed outcomes for this project?	<i>Clearly articulate the proposed outcomes for this project, including community benefits.</i>
What is the proposed delivery timeframe for this project?	<i>Provide an overview of the proposed delivery timeframe for this project, i.e. when is it expected to be completed?</i>

Part 5 – Financial	
What is the estimated cost for this project?	<i>What is the estimated cost for this project?</i>
Will a co-contribution be provided?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, what is the value of the co-contribution?	<i>Outline the value of the co-contribution.</i>
If yes, who is providing the co-contribution?	<i>Provide an overview of who is providing the co-contribution (i.e. state or territory government, or local government) and outline if this funding is being provided on an ad hoc basis, or through an existing program.</i>

Part 6 – Community Consultation	
Has community consultation been undertaken prior to the submission of this application?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please provide details of this consultation	<i>Provide a detailed overview of the community consultation undertaken to support the development of this application, consideration should be given to the community feedback received, and how this shaped the application.</i>
Are documents attached to provide evidence of this consultation?	<input type="checkbox"/> Yes <input type="checkbox"/> No

11. Attachment B – Project acquittal documentation

National Flood Mitigation Infrastructure Program

Acquittal summary form

This acquittal summary form is to be completed by the state and territory government for each project that was provided with funding from the National Flood Mitigation Infrastructure Program.

The acquittal summary form must be submitted within three months after the completion of the project. In order for the acquittal summary form to be accepted by the Australian Government, all relevant information and attachments must be included, with the declaration completed by the relevant responsible officer.

Grey instructional text should be deleted prior to submission.

Part 1 – General Information	
State/territory	<i>Choose an item.</i>
Project name	<i>What is the name of the project, as per the original application?</i>
Project reference number	<i>What is the project reference number provided by the Australian Government?</i>
State/Territory Contact officer	<i>Details of the contact officer, including name, title, email and phone number</i>

Part 3 – Acquittal overview (Project outcomes)	
Was the project delivered as per the bilateral agreement established between ^state name^ and the Australian Government?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If no, please justify.	<i>Provide a detailed justification outlining why the project was not delivered in line with the terms and conditions outlined in the bilateral agreement. What impact did this have on the project?</i>

Part 2 – Financial Information	
Amount allocated to the project	<i>The amount allocated to the project under the National Flood Mitigation Infrastructure Program. This figures should not include the value of a co-contribution (if applicable).</i>
Value of the funding being acquitted	<i>The value of the funding being acquitted in this acquittal summary form.</i>
Was a co-contribution provided?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, what was the value of the co-contribution?	<i>The value of the co-contribution provided.</i>
If yes, who provided the co-contribution?	<i>Provide an overview of who provided the co-contribution (i.e. state or territory government, or local government) and outline if the funding was provided on an ad hoc basis, or through an existing program.</i>

Part 3 – Acquittal overview (Financial)	
Was the project delivered in line with the requirements outlined in the <i>National Flood Mitigation Infrastructure Program Program Guidelines</i> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No

If no, please justify.	<i>Provide a detailed justification outlining why the project was not delivered in line with the requirements outlined in the National Flood Mitigation Program Program Guidelines.</i>
Where allocated funds used for ineligible expenses as outlined in section 5.7 of the <i>National Flood Mitigation Infrastructure Program Program Guidelines</i> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please detail.	<i>Provide a detailed justification outlining why funds provided under the National Flood Mitigation Infrastructure Program were used for ineligible expenses.</i>

Part 4 – Supporting documentation

Is the Financial Statement Claim attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No
As per section 7.2 of the <i>National Flood Mitigation Infrastructure Program Program Guidelines</i> is a report from the state appointed auditor attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there financial documentation, such as contracts, invoices, receipts etc. attached to support this acquittal?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there additional documentation attached to support this acquittal?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please specify.	

Part 5 – Declaration

We/I certify that ^organisation and/or department name^ has delivered ^project name^ under the National Flood Mitigation Infrastructure Program and in line with the requirements outlined in the bilateral agreement, established with the Australian Government on ^date^.

We/I certify that project activities, including expenditure, align and comply with the criteria set out in the National Flood Mitigation Infrastructure Program, Program Guidelines.

We/I acknowledge that records relating to this funding must be kept for a minimum of seven (7) years. We also acknowledge that the Australian Government may request additional information, or conduct an audit to verify the accuracy of information contained in this acquittal summary form.

Name	
Title	
Signature	
Date	

National Flood Mitigation Infrastructure Program

Financial statement claim form

To support the acquittal summary form, the state and territory government must complete the financial statement claim form for each project that was provided with funding from the National Flood Mitigation Infrastructure Program.

The headings in the financial statement claim form template should be amended, if required, to ensure expenditure is accurately outlined. Sub-headings should be included, where possible to assist with breaking down costs.

The declaration must be completed by the relevant responsible officer.

All relevant expenditure must be outlined in the table below, with the final figure to add up to the amount provided by the Australian Government.

	Net expenditure	Value of co-contribution (if applicable)	Australian Government Contribution
Project Management Costs			
<i>Total Project Management Costs</i>			
Construction Costs			
<i>Total Construction Costs</i>			
Audit and Assurance Costs			
<i>Total Audit and Assurance Costs</i>			

Declaration

I certify the above stated expenditure by the ^state or territory name^ government is correct and conforms to the National Flood Mitigation Infrastructure Program, Program Guidelines, and the terms and conditions outlined in the bilateral agreement, established on ^data^.

Name	
Title	
Signature	
Date	

Document 27

From: s 47F
To: s. 47E(c), s. 47F(1)
Cc: s 47F; [National Flood Mitigation Infrastructure Fund](#)
Subject: RE: National Flood Mitigation Infrastructure Program - Application Assessment Matrix [SEC=OFFICIAL]
Date: Monday, 15 March 2021 4:19:58 PM
Attachments: [ADD2021_1559221 Applications summary.DOCX](#)

OFFICIAL

Good afternoon,

Please find attached a consolidated summary of all applications received by jurisdiction including the project cost, funding sought from NFMIP, any co-contribution amount, and a brief description of the project.

Happy to discuss.

Kind regards,

s 47F

s 47F

Director, EM Strategy
Disaster Preparedness Branch | EMC Plans and Capability Division
Emergency Management and Coordination Group
Department of Home Affairs
P: s 47F | M: s 47F
E: s 47F [@homeaffairs.gov.au](mailto:s 47F@homeaffairs.gov.au)

**Please note my working hours are Monday – Thursday*

OFFICIAL

From: s 47F
Sent: Wednesday, 10 March 2021 5:21 PM
To: s 47E(d), s 47F
[Redacted]
[Redacted]
[Redacted]
[Redacted]
Cc: s 47F
[Redacted]
[Redacted]
[Redacted]
[Redacted] National Flood Mitigation Infrastructure Fund
<national.flood.mitigation@homeaffairs.gov.au>
Subject: National Flood Mitigation Infrastructure Program - Application Assessment Matrix [SEC=OFFICIAL]

OFFICIAL

Good afternoon all

We have now rescheduled the panel meeting until next Wednesday and distributed hard copy packs. The packs are unclassified.

Please find attached the matrix to assist in assessment of the applications.

If you have any questions, please don't hesitate to contact me.

Kind regards,

s 47F

s 47F

Director, EM Strategy
Disaster Preparedness Branch | EMC Plans and Capability Division
Emergency Management and Coordination Group
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****Please note my working hours are Monday – Thursday***

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s 47B, s 47E(d)

s 47B, s 47E(d)

s 47B, s 47E(d)

s 47B, s 47E(d)













