

## **REQUEST FOR QUOTE- Banana Mungi Road Floodway**

**RFQ # Q-2122-INF-22**

### **Annexure 1**

#### **1. PROJECT OVERVIEW**

To improve vehicle safety, Banana Shire Council has identified the need to undertake the maintenance of the floodway located at Chainage 26520 on Banana Mungi Road (where Chainage 0 is at the intersection with Dawson Highway). Maintenance of the floodway includes installation of a concrete extension and overlay of the existing floodway and the reprofiling and widening of the approaches. The location of the proposed works is shown in the attached locality plan – *SK025 Scope of Works* – **Attachment 1**.

#### **2. SCOPE OF PROJECT**

Construction is to be undertaken as per the design plans in **Attachment 2**.

Works and testing are to be completed as per the requirements of the Capricorn Municipal Development Guidelines (CMDG).

#### **2.1 PROJECT DELIVERABLES**

- Creation and implementation of project Safety, Quality and Environmental Management Plans (these are to be submitted to Council for approval a minimum of 10 working days before the commencement of construction)
- Creation and implementation of a Traffic Management Plan (to be submitted to Council for approval by Council a minimum of 10 working days before the commencement of construction) – including construction and removal of a side-track if required
- Supply of all materials required for construction Site Establishment
- Clearing and Grubbing
- Clearing and maintenance of a stockpile pad (if required)
- Excavation
- Road Embankment (profiling and fill to shoulders)
- Construction of an 18m long, 6.5m wide and 100mm thick reinforced concrete overlay over the existing floodway
- Construction of a 37m long, 6.5m wide and 175mm thick reinforced concrete floodway extension
- Supply and installation of rock protection
- Widening and re-sheeting (with Council mix gravel) of the floodway approaches
- Erosion and Sediment control management during construction
- Supply and installation of signs
- Compliance (soil and concrete) testing as per CMDG requirements
- Clean-up of site

## 2.2 PROJECT EXCLUSIONS (TO BE UNDERTAKEN/SUPPLIED BY COUNCIL)

- Supply of design plans
- Supply of Dial before you Dig information
- Cultural Heritage checks and inspections
- Design Set out Survey
- Collection of As Constructed information

## 3. CONTRACT TIMEFRAMES

### Item

Quote Submitted:

Works to be completed by:

Invoice to be Submitted by:

### Date

10<sup>th</sup> March 2022

30<sup>th</sup> June 2022

No Later than 7<sup>th</sup> July 2022

## 4. PRICE SCHEDULE

A contractor interested in submitting a quotation is required to provide a quotation to complete the following services:

ITEM NUMBER	DESCRIPTION	UNIT	QTY	RATE (INCL GST)	TOTAL (INCL GST)
	<b>SERVICES</b>				
1101	Site Establishment	Lump Sum	1	\$	\$
1201	Provision for traffic	Lump Sum	1	\$	\$
1316	Control of Erosion and Sedimentation	Lump Sum	1	\$	\$
2515	Supply and Installation of BIDIM A43	m2	188	\$	\$
2624	Supply & Install Concrete Floodway and batter (32MPa)	m3	100	\$	\$
2643	Rock Protection (187.66 m2 x 1100m thick, nom. Rock size D50=1100mm)	m3	206.43	\$	\$
3101	Clearing & Grubbing	Lump Sum	1	\$	\$
3201	Road Excavation, All materials	m3	815.78	\$	\$

ITEM NUMBER	DESCRIPTION	UNIT	QTY	RATE	TOTAL
	SERVICES			(INCL GST)	(INCL GST)
3301	Road Embankment, profiling, fill to shoulder	m3	45.08	\$	\$
4101	Base- Council Mix	m3	117	\$	\$
6121	Supply & Erection of Road Signage	each	3	\$	\$
6311	Supply & Installation of Guide Posts	each	8	\$	\$
6122	Supply & Installation of High Delnorth Flexible Bollards	each	12	\$	\$
	<b>Total</b>				\$

Gravel Supply is to be the Department of Transport and Main Roads standard with test results for the material to be submitted to Council for approval before the commencement of use.

## 5. LODGEMENT OF QUOTATION

Quotations must be emailed to [quotations@banana.qld.gov.au](mailto:quotations@banana.qld.gov.au)

Quotations **are not** to be emailed or handed directly to any Council Officer as this may eliminate you from the quoting process.

Quotations close **Thursday the 10<sup>th</sup> March 2022**

Council reserves the right to accept late quotations.

The Council will not accept any responsibility in the event that a quotation is not received by the Closing Date

## 6. INFORMAL QUOTATION

Any Quotation may be rejected if it:

- Does not comply with the requirements of the Specification or this Form of Quotation

## 7. ACCEPTANCE OF QUOTATION

The Council is not bound to accept any Form of Quotation.

The Council reserves the right to amend the scope of the contract inclusions and may accept part of a Form of Quotation.

The proposed contractor agrees that the Form of Quotation will remain open for acceptance for a minimum period of 30 days after the Closing Time, notwithstanding that there may have been negotiations in respect of any Form of Quotation in the meantime.

## 8. INSURANCE DETAILS

The proposed contractor is to complete the table below, after having regard to levels of insurance required by conditions of contract as per the Quotation

Workers Compensation or Personal Accident Insurance cover as required by law (whichever may apply)

<b>DETAILS OF CONTRACTOR'S WORK COVER INSURANCE</b>	<b>INSURER:</b>	
	<b>POLICY NUMBER:</b>	
	<b>SUM INSURED:</b>	
	<b>CURRENT TO:</b>	
<b>DETAILS OF CONTRACTOR'S PUBLIC LIABILITY INSURANCE</b>	<b>INSURER:</b>	
	<b>POLICY NUMBER:</b>	
	<b>SUM INSURED:</b>	
	<b>CURRENT TO:</b>	
<b>DETAILS OF CONTRACTOR'S PRODUCT LIABILITY INSURANCE</b>	<b>INSURER:</b>	
	<b>POLICY NUMBER:</b>	
	<b>SUM INSURED:</b>	
	<b>CURRENT TO:</b>	
<b>COPIES OF YOUR CURRENT INSURANCE CERTIFICATE FOR ALL INSURANCES MUST BE ATTACHED.</b>		

## 9. REGISTRATION DETAILS

CONTRACTORS ARE TO COMPLETE THE BELOW TABLE, AFTER HAVING REGARD TO LEVELS OF REGISTRATIONS REQUIRED BY CONDITIONS OF CONTRACT AS STATED BELOW

DETAILS OF CONTRACTOR'S ABN REGISTRATION	REGISTRATION No:	
DETAILS OF RELEVANT LICENSE	REGISTRATION No:	
	ISSUE DATE:	
	EXPIRY DATE:	
<b>PLEASE ATTACH A COPY OF YOUR CURRENT REGISTRATION MENTIONED ABOVE.</b>		

***Persons conducting works under this contract shall hold the necessary nationally recognised competencies to conduct the required work and the necessary licensing to operate any plant or equipment. If the statutory requirements change during the period of this contract, no additional charge will be borne by Council.***

## 10. INDEMNITY

The successful Contractor must indemnify and keep indemnified the Council against:

- Any liability under the *Workers' Compensation and Rehabilitation Act 2003* as amended from time to time; and
- Any other law in force or which during the term of this Contract may come into force, under which any person is entitled to claim or sue for compensation or recover any damages from the Council.

## 11. COLLECTION OF PERSONAL INFORMATION

Banana Shire Council is collecting your personal information in accordance with the *Local Government Act 2009* (the Act) and the *Local Government Regulation 2012* (the Regulation) for the purpose of evaluating your submission and administering any subsequent contract. Generally, we will not disclose your personal information outside of Council unless we are required by law or you have given your consent. However, in order to perform the above functions, we may need to disclose your personal information to your referees and ATO. Further, under the Regulation Council is required to publish the relevant details of any contract worth \$200,000 or more on its website. By completing and signing this form and returning it to Council, we will consider that you have given us your consent to manage your personal information in the manner described in Council's [Privacy Statement](#), [Privacy Procedure](#) and this collection notice.

## 12. NOTICE OF VARIATIONS

Where the contractor is given a direction to vary the work under the contract which is not expressly identified in writing as a variation, the contractor must promptly, and where practicable before complying with the direction, give the Project Manager a written notice which identifies the direction and states that the contractor considers that the direction involves a variation. The variation should be noted on the Invoice and be itemised per variation.

### **13. WORK HEALTH & SAFETY FOR CONTRACTORS**

#### **WORK HEALTH & SAFETY SIGN OFF FOR CONTRACTORS**

Banana Shire Council is committed to achieving high standards of WHS, where the safety of our employees, volunteers, contractors and the public is placed as our first priority.

Banana Shire Council requires that all contractors understand their health and safety (WHS) requirements prior to performing work for Council. Enclosed is a copy of the Workplace Health and Safety Information Package for Contractors.

It is essential that all contractors work in accordance with the obligations stated in the Work Health and Safety Act (2011) and all subordinate WHS legislation.





## BANANA SHIRE COUNCIL

### Policy

TITLE	WORK HEALTH AND SAFETY POLICY STATEMENT
POLICY NUMBER	08
FUNCTION / ACTIVITY (for Policy Register Purposes)	WORK HEALTH AND SAFETY
RESPONSIBLE DEPARTMENT	EXECUTIVE SERVICES
LEGISLATION	Work Health and Safety Act 2011 Work Health and Safety Regulation 2011
ADOPTED	14 December 2007 Ordinary Meeting - Minute 32241
REVIEWED/AMENDED	EMT Meeting - 2 June 2008 EMT Meeting - 9 July 2012 Control of Policy transferred by Council to CEO as an Operational Policy - 12 December 2012 - Minute OM002173 Policy control reverted back to Council and adopted 27/08/2014 Ordinary Meeting - Minute No. OM002852 9/12/15 Ordinary Meeting – Minute No. OM003297 26/07/17 Ordinary Meeting – Minute No. OM003835 27/06/18 Ordinary Meeting – Minute No. OM004117
NEXT REVIEW DUE	June 2022

### SCOPE

This policy applies to all employees of the Banana Shire Council and includes contractors, volunteers, work experience students, trainees and visitors.

### OBJECTIVE

The objective of this policy is to outline Council's responsibility, accountability and participation in Work Health and Safety.

### POLICY

#### MISSION STATEMENT

At Banana Shire Council **'we are committed to promoting and striving for continuous growth and improvement in all that we do, for the benefit and growth of the whole of the Shire'**.

#### WORK HEALTH & SAFETY COMMITMENT

Banana Shire Council is committed to the continual improvement of its Work Health and Safety performance in all of our operations and implement a Safety Management System aligned with the requirements of Safeplan to support this improvement approach. We will strive to deliver on these commitments by -

- Create and maintain a safe and healthy working environment and provide an injury and illness free workplace.

- Develop proactive health and safety strategies and adopt a risk management approach to operations in order to eliminate work related injury and illness.
- Communicate openly and honestly with our employees, contractors, suppliers, other business partners and interested third parties to encourage a health and safety culture that reflects the intent of this policy.
- Set measurable objectives and targets and monitor progress against these regularly reviewing our health and safety performance, considering the effectiveness of work health and safety activities and ensuring our health and safety targets are being met to achieve results of which we can all be proud.
- Fully implement Banana Shire Council's Work Safety and Health Management System and compliance to all relevant legislation. This requires the allocation of appropriate resources and the provision of training, education, consultation and auditing to ensure compliance.
- Ensuring the Executive Management Team and employees, contractors, volunteers and visitors carry out their health and safety responsibilities.
- Periodically review this policy to ensure it remains relevant and appropriate to Banana Shire Council.

The Executive Management Team takes overall responsibility for the governance of Work Health and Safety at Banana Shire Council.

The adoption and promotion of this policy is mandatory for all employees of Banana Shire Council and for contractors and suppliers acting on our behalf.

## PROCEDURE

As approved and issued by the Chief Executive Officer and subject to future revision, amendment and issue under the authority of the Chief Executive Officer.

## CERTIFICATION



CHIEF EXECUTIVE OFFICER  
BANANA SHIRE COUNCIL

8.8.18  
DATE



## GENERAL HEALTH & SAFETY RULES FOR CONTRACTORS

Banana Shire Council welcomes you to our Workplace. Council recognises its responsibility and commitment to ensure the health and safety of all workers including contractors. Therefore it is important for you to be aware of your responsibilities under the Work Health and Safety Legislation 2011

The following conditions will apply:

- **Inductions - All workers** who attend a worksite are required to complete a formal Council Contractors induction and a Site Specific Induction prior to mobilisation to the site. Inductions will be arranged at convenient times for the contractor before commencement and must be **renewed every 12 months**. If the Contractor/Service Provider's employee or subcontractor fails to maintain the required inductions, BSC reserves the right to refuse or remove the subject parties from BSC sites.
- All workers must maintain current and accurate information relating to licences, tickets and qualifications at all times
- All contractors **must** read the contents of this document before commencing work on Council worksites.
- All contractors **must** comply with the wearing of Personal Protective Equipment/ Clothing whilst working in council work locations.
- **Smoking** is prohibited in Council offices, workshops, buildings, vehicles and on Worksites within 4 metres of crib huts, facilities and other persons.
- **Drugs and Alcohol** are not permitted on any Council worksites or vehicles and in the operation of plant and vehicles. If you require any medication that may impact your ability to safely operate a vehicle / or machinery you must furnish a letter from your Medical Practitioner advising of the type, quantity and effects of the medication to the site supervisor and Council's Contractor Supervisor.

**Failure to adhere to Work Health and Safety Legislation by any contractor will result in the contractor being required to rectify their actions, refusal to do so will result in the contractor being asked to stop work and leave the BSC work area.**

- Hire machinery or machinery owned by contractors must comply with all relevant standards and maintenance records must be available on/with the machine and shown as requested.
- Contractors who operate machinery must be able to show proof of training, licences and certificates of competency prior to the start of work, these must be available for inspection by the site supervisor or Council's WHS staff on request.
- Incidents and near misses including damage to Telstra, Ergon Energy or gas services must be reported to the Supervisor immediately and a written report completed and given to Council's Contractor Supervisor or Safety Advisors as soon as possible.
- Hazards must be assessed immediately and if they are not able to be adequately controlled reported to the worksite supervisor.

- Electrical equipment that is to be used on council sites must be tested and tagged to comply with Electrical Safety Act and Regulations 2013.
- Safety Plans, in compliance with section 309 in the WH&S Regulation 2011, must be submitted for all specified work by contractors. These plans will detail the following:
  1. Business Name, Address, Contact Phone Numbers, ABN/ CRN
  2. Name and Contact details for site Manager / Supervisor for Task
  3. Details of Insurances and WorkCover/ Self Insurance Scheme
  4. List of all staff who are going to work on-site
  5. Identification of tasks and hazards associated with the work activity.
  6. Risk Assessments.
  7. Short term and long term control measures to reduce the risk of injury/damage.
  8. Ways to monitor the effectiveness of the control measures.
  9. Methods to control worksite hazards.
  10. Safety Policy.
  11. Description of specific work activities.
  12. Induction records of contractor employees on site.
  13. Plant Register
  14. Equipment Register
  15. Training Register for employees for equipment and tasks to be used.
  16. Test and Tag registers where applicable
  17. Safe Work Method Statements
  18. Copies of Construction Induction Details
  19. First Aid Register
  20. Names of First Aid Trained Personnel
  21. Incident / Injury Reporting process
  22. Hazard/ Inspection Checklists
  23. Fire Extinguisher Register

First Aid Kits are to be provided at each worksite.

It is the Contractor's obligation to ensure that all of their staff who performs construction work for Banana Shire Council has a General Construction Induction Card (White/Blue Card) when entering any construction worksites. Any staff members who will be performing construction work must be required to present their card for verification on each worksite as part of the sign-in process for the construction safety induction. Staff who cannot provide evidence of the White/Blue Card are not to be permitted to perform any construction activities whilst on the worksite.

### CONTRACTOR'S WH&S SYSTEMS CHECKLIST

This checklist forms part of the quotation evaluation and is to be completed by the contractor and submitted with this offer. The purpose of this checklist is to provide an overview of the status of the Contractors' WHS system.

**If a requirement of this contract, Contractors will be required to verify their responses by providing evidence relating to WHS systems.**

SECTION	REQUIRED IN DOCUMENT	RESPONSE Yes No N/A
Organisations Details	The quotation document must contain the following: 1. Name of Contractor 2. Address of Contractor 3. ABN of Contractor	
WHS Risk Management	A detailed risk assessment is to be provided for the scope of work detailing all hazards, risks, controls and responsibilities	
Code of Practice First Aid 2014	A First-aid risk assessment outlining the process of dealing with first aid requirements (as per code of practice)	
Emergency Preparedness	If Appointed as Principal Contractor ensure that an <b>emergency plan</b> is prepared a. Evacuation procedure b. Assembly point c. Testing procedures for emergency equipment d. Consultation and communication regarding the above	
Safety Plan	A safety plan for any works undertaken capturing the following;  1. Name and Contact details for site Manager / Supervisor for Task 2. Details of Insurances and WorkCover/ Self Insurance Scheme 3. List of all staff who are going to work on-site 4. Identification of tasks and hazards associated with the work activity. 5. Safety Policy. 6. Induction records of contractor employees on site. 7. Plant Register 8. Equipment Register 9. Training Register for employees for equipment and tasks to be used. 10. Test and Tag registers where applicable 11. Hazardous Chemical Register and current SDS for chemicals on-site.	

	12. Safe Work Method Statements 13. Copies of Construction Induction Details 14. First Aid Register 15. Incident / injury reporting and management process 16. Hazard/ Inspection Checklists 17. Site consultation 18. Security Arrangements. 19. Signage for site or work 20. All designated Safe Work Method Statements for high risk construction activities.	
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### **CERTIFICATION**

The information provided in this checklist is an accurate summary of the company's WH&S systems.

By signing this (Quotation) form the Proposed Contractor agrees to abide by all Councils Policies and Procedures in relation to this quotation response and the process of contractor engagement.

I/We accept that the Council reserves the right to negotiate with Proposed Contractors in relation to secure the best outcome for Council.

I/We agree to keep any Council negotiations in relation to the proposed contract confidential for all time.

COMPANY

NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

NAME: \_\_\_\_\_

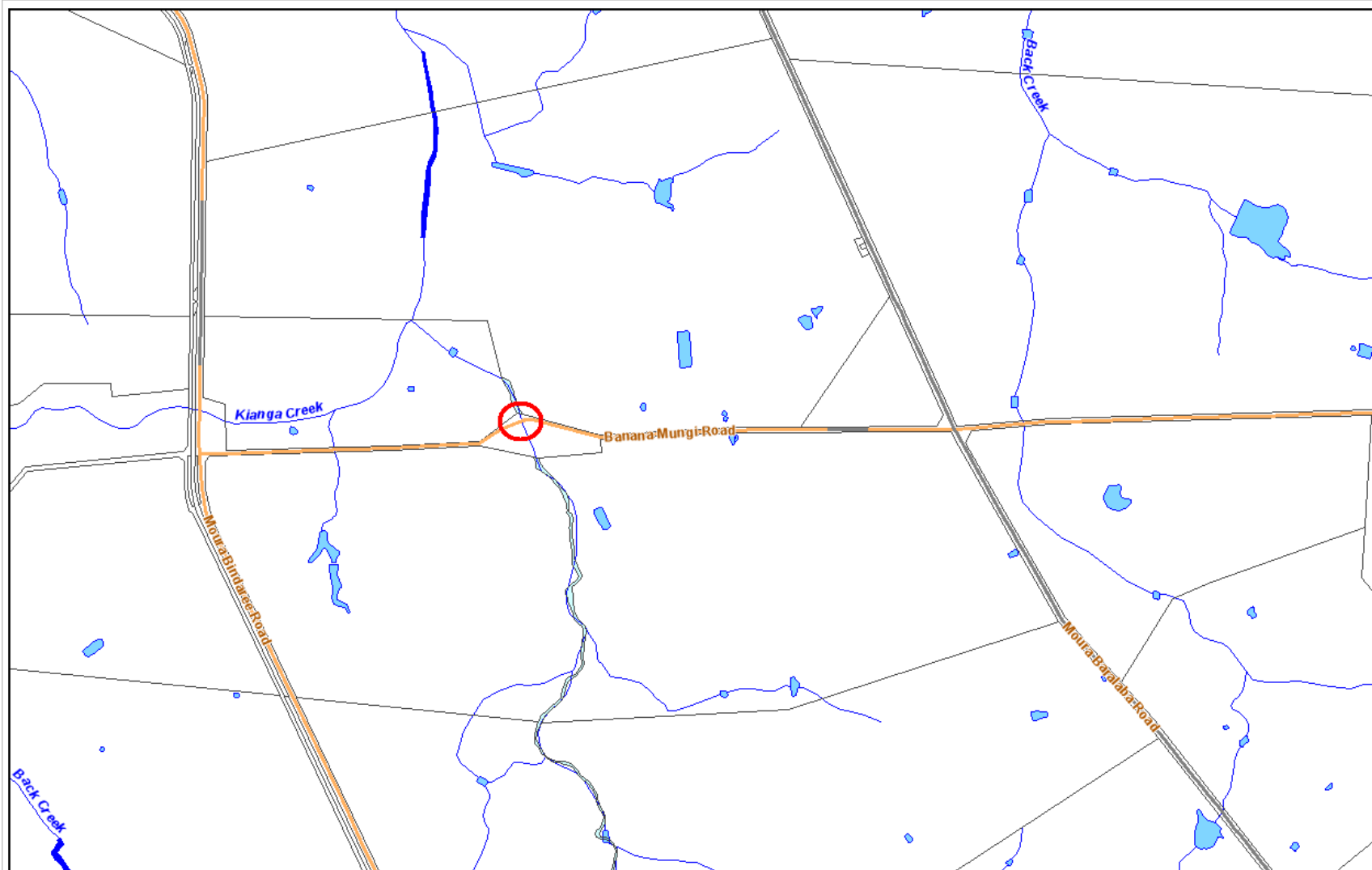
POSITION: \_\_\_\_\_

DATE: \_\_\_\_\_

CONTACT NAME: \_\_\_\_\_

CONTACT NUMBER: \_\_\_\_\_

## Attachment 1



This publication has been produced by Banana Shire Council and is based on cadastral data provided by and used with the permission of the Department of Natural Resources and Mines (2022).  
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0 1  
kilometres  
Scale 1 : 39,651 (A4 Original Size)  
Transverse Mercator projection, GDA94, UTM Zone 50



**SK025 - Scope of Works**



BANANA MUNGI CH26920  
FLOODWAY REFURBISHMENT  
IDP ID NO. 21/22 5520-2383-0025

NO WORK IS SO  
IMPORTANT THAT  
IT CANNOT BE  
DONE SAFELY



DRAWING INDEX		
SHEET NO.	DRAWING NO.	DRAWING TITLE
1	5520-2383-0025-001	LOCALITY PLAN AND SHEET INDEX
2	5520-2383-0025-002	EXISTING SERVICES
3	5520-2383-0025-003	FLOODWAY DESIGN & TYPICAL DRAWINGS
4	5520-2383-0025-004	FLOODWAY DESIGN & SETOUT POINTS
5	5520-2383-0025-005	FLOODWAY DESIGN
6	5520-2383-0025-006	LONGITUDINAL SECTION
7	5520-2383-0025-007	CROSS SECTIONS CH.26430 TO CH.26500
8	5520-2383-0025-008	CROSS SECTIONS CH.26510 TO CH.26580
9	5520-2383-0025-009	CROSS SECTIONS CH.26590 TO CH.26620
10	CDMG-R-94	FLOODWAY - BED LEVEL CROSSING
11	CDMG-R-95	FLOODWAY - CULVERT CROSSING

SURVEY CONTROL				
POINT NO.	EAST	NORTH	RL	DESCRIPTION
9000	185550.244	7294842.743	95.364	STARPK
9001	185613.148	7294868.899	96.328	STARPK

## SCOPE OF WORKS

- SITE ESTABLISHMENT
- PROVISION FOR TRAFFIC
- REMOVE EXISTING CONCRETE FLOODWAY
- DEPOSE OF EXISTING BITUMEN WASTE
- CONSTRUCTION OF PROPOSED FLOODWAY FROM CH26491 TO CH26546
- REGRADE TABLE DRAIN INDEPENDENTLY FROM LONG SECTION
- INSTALLATION OF SCOUR PROTECTION
- UPSTREAM & DOWNSTREAM OF FLOODWAY
- ENVIRONMENTAL AND SEDIMENT CONTROL MANAGEMENT
- ROAD REPROFILING FROM CH26446 TO CH26491 & CH26546 TO CH26591
- NEW GRAVEL TO REPROFILLED SECTIONS
- TRAFFIC MANAGEMENT
- INSTALLATION OF NEW SIGNAGE

## NOTES

FOR FLOODWAY CONCRETING AND REINFORCING  
DETAILS REFER TO STANDARD DRAWING CHDS-R-94 &  
CHDS-R-95

**FOR CONSTRUCTION**

08/11/2021

I	FOR CONSTRUCTION	08/11/2021
C	FOR INFORMATION	25/08/2021
B	FOR INFORMATION	9/08/2021
A	FOR INFORMATION	28/07/2021
NO.	REVISION	DATE

GENERAL METRIC

B. DOWLING

DOI: 10.1002/for

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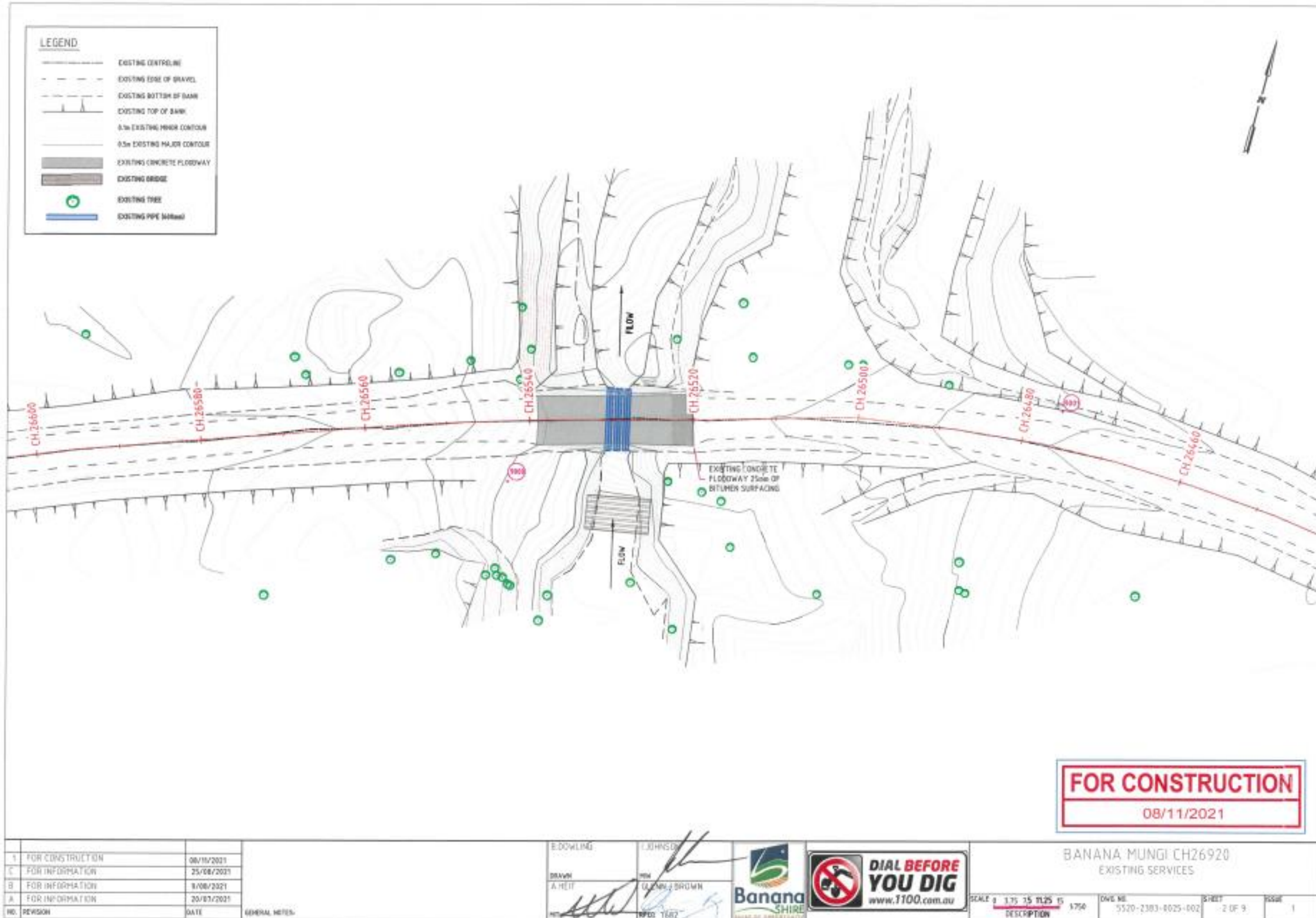
BANANA MUNGI CH26920  
LOCALITY PLAN & SHEET INDEX

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(distance in feet)

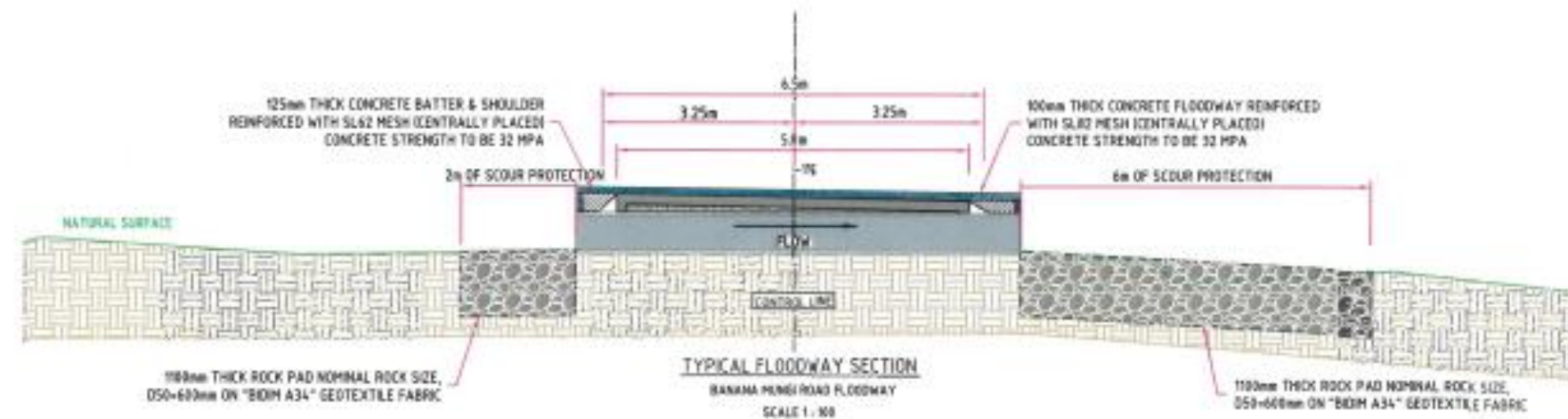
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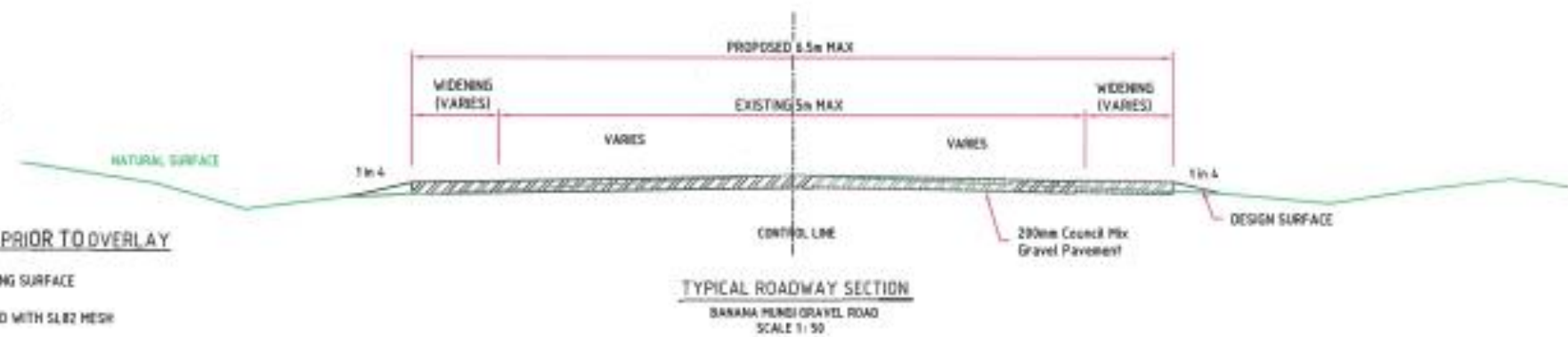
**FOR CONSTRUCTION**  
08/11/2021

**CONCRETE OVERLAY CONSTRUCTION NOTES**

1. PROVIDE TRANSVERSE JOINTS AT 4.0m MAX SPACING
2. PROVIDE LONGITUDINAL JOINTS AT CENTERLINE
3. CONCRETE STRENGTH TO BE 32MPa
4. LAP REINFORCEMENT FABRIC 250mm

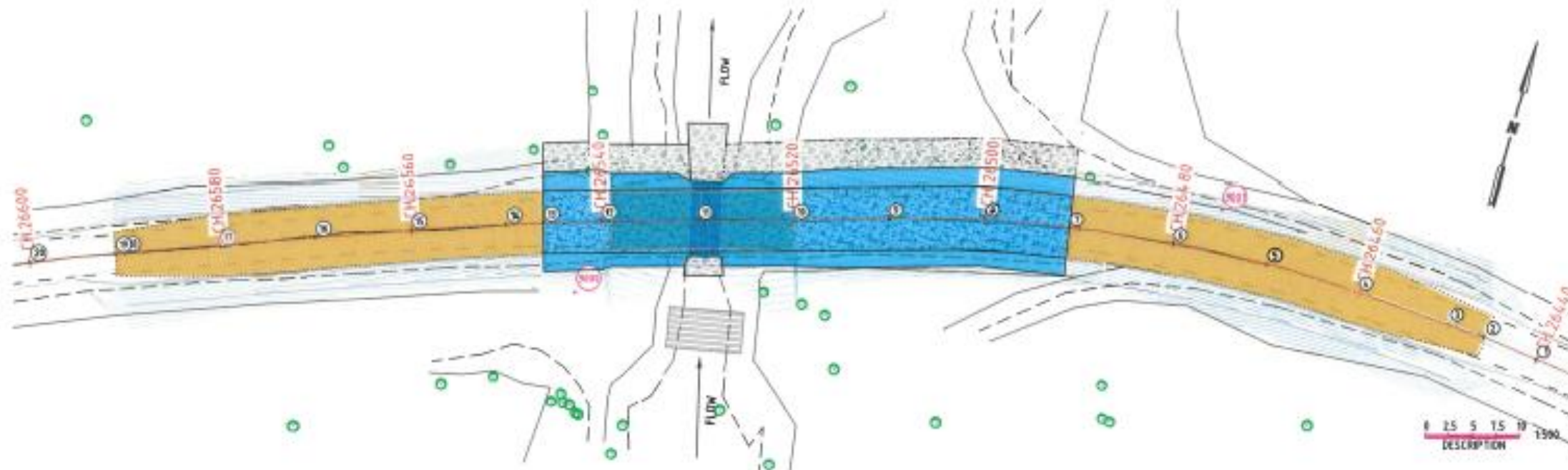
**EXISTING FLOODWAY PREPARATION NOTES PRIOR TO OVERLAY**

1. HEAVY BROOM FINISH IN EXISTING SURFACE
2. SCREED COARSE SAND OR 5mm SCREEDING OVER EXISTING SURFACE
3. APPLY BOND BREAKER
4. OVERLAY PROPOSED 100mm THICK CONCRETE REINFORCED WITH SL62 MESH (CENTRALLY PLACED)



				B DOWLING	J. JOHNSON	 	BANANA MUNGI CH26920 FLOODWAY DESIGN & TYPICAL DRAWING				
1	FOR CONSTRUCTION	08/11/2021		GRAB	HEIT		SCALE	AS SHOWN	OWS NO. 5520-2383-0025-003	SHEET 3 OF 9	ISSUE 1
C	FOR INFORMATION	25/08/2021									
B	FOR INFORMATION	5/08/2021									
A	FOR INFORMATION	29/07/2021									
NO.	REVISION	DATE	GENERAL NOTES:								





**TYPICAL FLOODWAY SECTION**  
BANAMA HANG ROAD FLOODWAY  
SCALE 1:100

175mm THICK CONCRETE BATTER & SHOULDER REINFORCED WITH SL42 MESH (CENTRALLY PLACED) CONCRETE STRENGTH TO BE 32 MPA

100mm THICK CONCRETE FLOODWAY REINFORCED WITH SL82 MESH (CENTRALLY PLACED) CONCRETE STRENGTH TO BE 32 MPA

COUNCIL MIX INFILL

3m OF SCOUR PROTECTION

100mm THICK ROCK PAD NOMINAL ROCK SIZE, 250x500mm ON "BIDIM A31" GEOTEXTILE FABRIC

NATURAL SURFACE

CONTROL LINE

**TYPICAL SECTION FLOODWAY (LONGITUDINAL)**  
BANAMA HANG ROAD FLOODWAY  
SCALE 1:50

175mm THICK CONCRETE FLOODWAY REINFORCED WITH SL82 MESH (CENTRALLY PLACED) CONCRETE STRENGTH TO BE 32 MPA

100mm CONCRETE OVERLAY, SL82 MESH CENTRALLY PLACED, OVER THE EXISTING FLOODWAY CONCRETE STRENGTH TO BE 32 MPA

175mm THICK CONCRETE FLOODWAY REINFORCED WITH SL82 MESH (CENTRALLY PLACED) CONCRETE STRENGTH TO BE 32 MPA

200mm THICK TYPE 2.1 GRAVEL BASE OR EQUIVALENT

EXISTING FLOODWAY TO REMAIN

REFER DETAIL 01

SL82 MESH CENTRALLY PLACED LAP UPPER MESH 450mm WITH LOWER MESH

STOP MESH 50mm SHORT OF EXISTING SLAB

DETAIL 01

**FOR CONSTRUCTION**  
06/01/2022

GENERAL NOTES:

LENN J. BROWN  
MAY 20 1982



SCALE AS SHOWN

BANANA MUNGI CH26920  
FLOODWAY DESIGN & SETOUT POINTS

Draw. No.	Sheet	Page
5520-2383-1025-104	4 OF 9	1

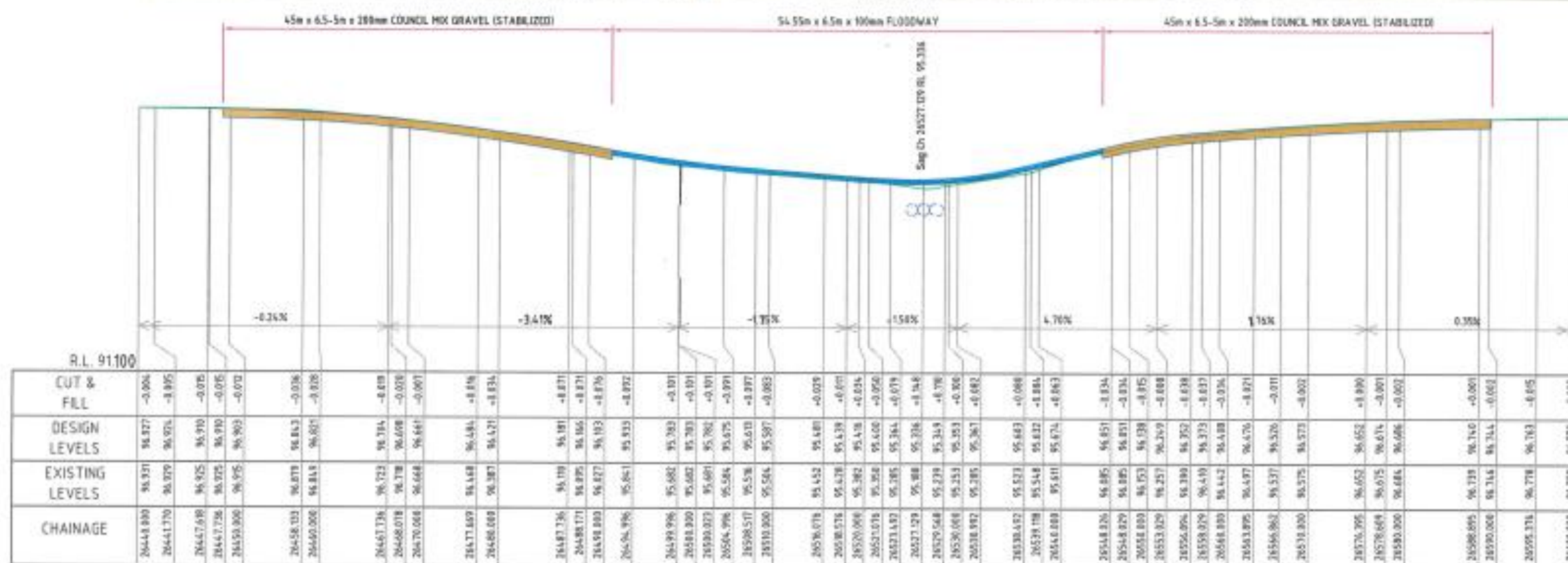




**FOR CONSTRUCTION**  
08/11/2021

1	FOR CONSTRUCTION	08/11/2021	GENERAL NOTES:	B DOWLING	I. JOHNSON	 Banana SHIRE BANANA, QLD, AUSTRALIA	 DIAL BEFORE YOU DIG www.1100.com.au	BANANA MUNGI CH26920 FLOODWAY DESIGN			
C	FOR INFORMATION	25/08/2021		DRAWN A. HEIT	NEW CLEAN BROWN			SCALE 1:3.75 1:5 1:12.5 1:25 1:50	ENV. NO. 5520-2383-0025-005	SHEET 5 OF 8	ISSUE 1
B	FOR INFORMATION	9/08/2021									
A	FOR INFORMATION	26/07/2021									
NO.	REVISION	DATE			REV. 7682						





LONGITUDINAL SECTION FROM CH.26440.000 TO CH.26600.000  
1 in 500 HORIZONTAL 1 in 100 VERTICAL

Water Level at Roadway		
ADP	Water Depth (m)	Volumetric flow rate (m <sup>3</sup> /s)
70%	5.89	3035.5
100%	3.26	912.3

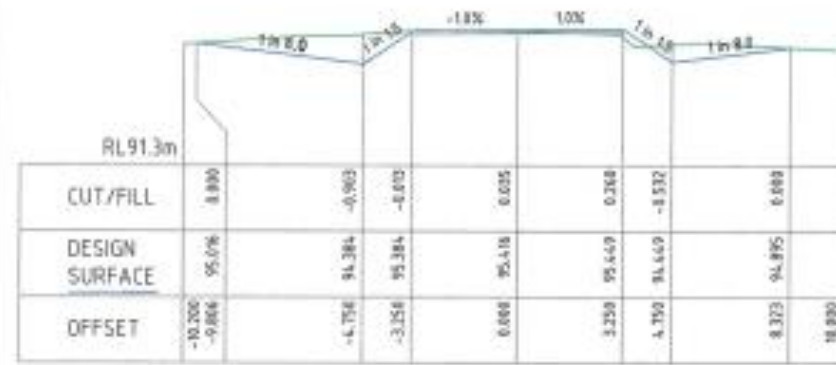
**FOR CONSTRUCTION**  
08/11/2021

T	FOR CONSTRUCTION	08/11/2021	<div style="display: flex; justify-content: space-between;"> <div> <p>BOWLING</p> <p>DEANN</p> <p>A. HEIT</p> <p>MD</p> </div> <div> <p>J. JOHNSON</p> <p>NEW</p> <p>GLINN J. BROWN</p> <p>PHOTO: J. BROWN</p> </div> <div>  </div> <div>  </div> </div>	BANANA MUNGI CH26920	
C	FOR INFORMATION	25/08/2021		LONGITUDINAL SECTION	
B	FOR INFORMATION	9/08/2021		SCALE	AS SHOWN
A	FOR INFORMATION	26/07/2021		DWG. NO.	5528-2383-0025-006
NO REVISION		DATE	SHEET		ISSUE
GENERAL NOTES			6 OF 9		1

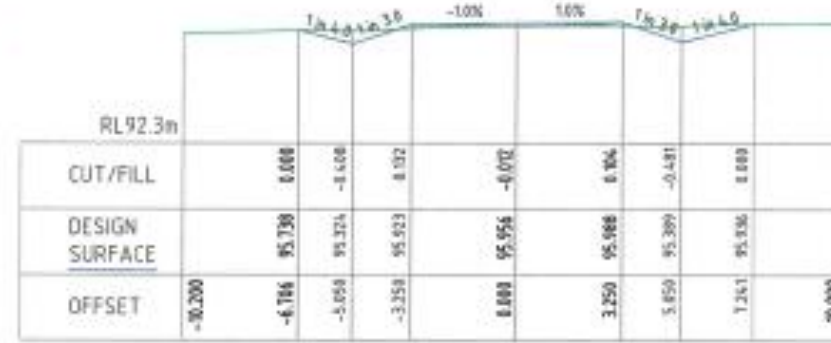




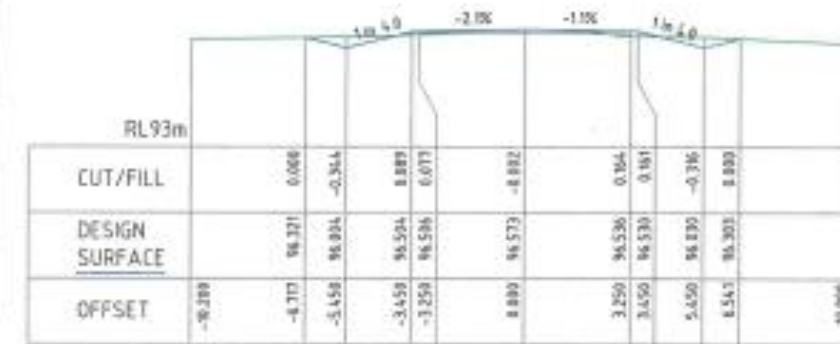
1	FOR CONSTRUCTION	06/10/2021		B.DOWLING	L.JOHNSON	 <b>Banana SHIRE</b> <small>MAYOR AND COUNCILLORS</small>	 <b>DIAL BEFORE YOU DIG</b> <a href="http://www.1100.com.au">www.1100.com.au</a>	SCALE AS SHOWN	DWG NO. 5520-2383-0025-00T	SHEET 2 OF 9	ISSUE 1
C	FOR INFORMATION	25/08/2021		GRABN	PW						
B	FOR INFORMATION	9/08/2021		A. HEIT	GELMUL BROWN						
A	FOR INFORMATION	20/07/2021			RPOD 7583						
NO.	REVISION	DATE	GENERAL NOTES:								



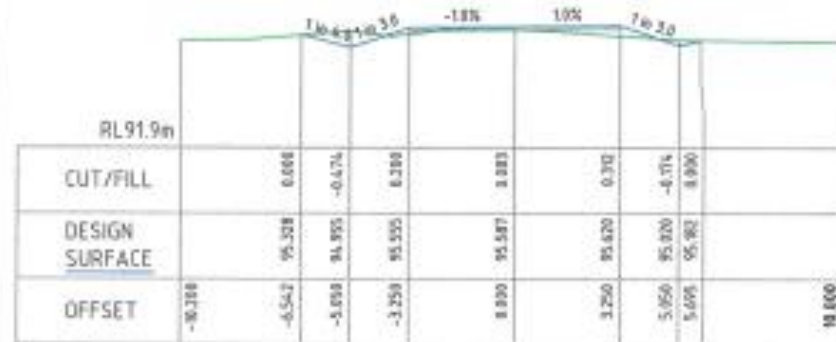
CH. 26520.000 m



CH. 26546.000 m  
END OF FLOODWAY



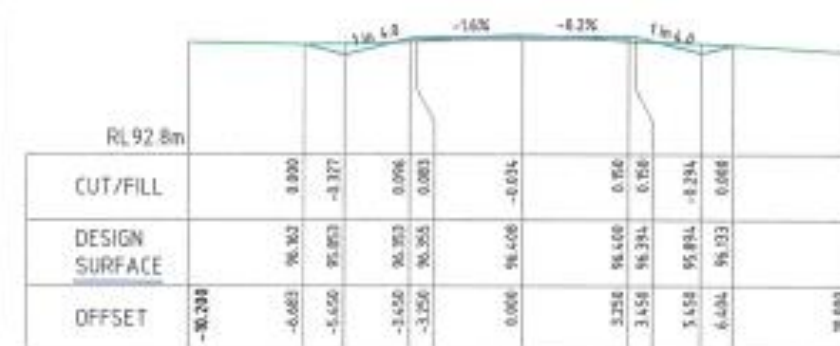
CH. 26570.000 m



CH. 26510.000 m



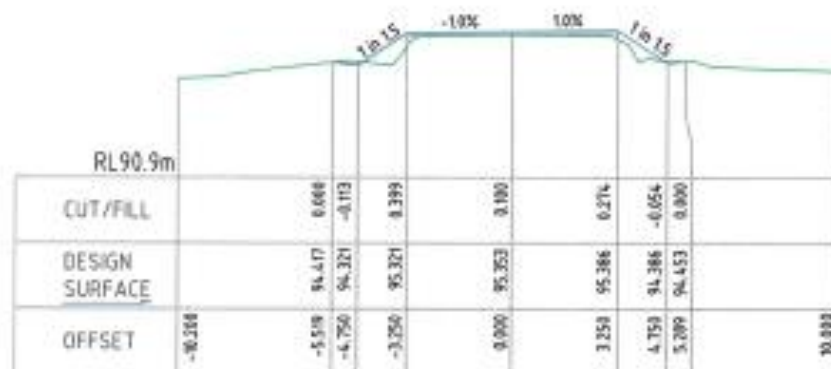
CH. 26540.000 m



CH. 26560.000 m



CH. 26500.000 m



CH. 26530.000 m



CH. 26550.000 m

**FOR CONSTRUCTION**  
08/11/2021

1	FOR CONSTRUCTION	08/11/2021
2	FOR INFORMATION	25/08/2021
3	FOR INFORMATION	9/08/2021
4	FOR INFORMATION	20/07/2021
NO.	REVISION	DATE

GENERAL NOTES:

DESIGNED BY: J. DOWLING  
DRAWN BY: A. HEIT  
CHECKED BY: J. BROWN  
DATE: 08/11/2021



BANANA MUNGI CH26920  
CROSS SECTION CH26510 TO CH26580

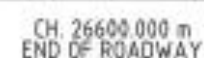
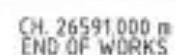
SCALE: AS SHOWN

DWG. NO. 5528-2383-0025-008



SHEET 8 OF 9

FIGURE 1





08/11/2021

			B DOWLING		I JOHNSON						BANANA MUNGI CH26920 CROSS SECTION CH26590 TO CH26620							
I	FOR CONSTRUCTION	08/10/2021	DRAWN A. HEIT		REV GLENN J BROWN						SCALE AS SHOWN		DWG NO. 5520-2383-0025-040		SHEET 9 OF 9		ISSUE 1	
C	FOR INFORMATION	25/08/2021																
B	FOR INFORMATION	1/08/2021																
A	FOR INFORMATION	20/07/2021																
NO. REVISION		DATE	GENERAL NOTES:															

