



21 August 2025

Planning Officer: Carl Ewin  
Direct Phone: 074086 4656  
Our Reference: OPW/25/0003  
Your Reference: LU23112

Two Rivers Community School  
C/- Beststruct Pty Ltd  
PO Box 419  
CAIRNS NORTH QLD 4870

Dear Applicants,

## **Decision Notice**

### ***Planning Act 2016***

I refer to your application and advise that on 19 August 2025, under delegated authority, Council decided to approve the application in full subject to conditions.

Details of the decision are as follows:

#### **APPLICATION DETAILS**

Application No: OPW/25/0003  
Street Address: 405 Chewko Road, Mareeba  
Real Property Description: Lot 71 on SP292140  
Planning Scheme: Mareeba Shire Council Planning Scheme 2016

#### **DECISION DETAILS**

Type of Decision:	Approval
Type of Approval:	Development Permit for Operational Works (Internal/External Roadworks, Earthworks, Stormwater, Water Supply and On-site Carparking for Two Rivers Community School – Development Permit MCU/23/0012)
Date of Decision:	19 August 2025



**CURRENCY PERIOD OF APPROVAL**

The currency period for this development approval is two (2) years starting the day that this development approval takes effect. (Refer to Section 85 "Lapsing of approval at end of currency period" of the *Planning Act 2016*.)

**INFRASTRUCTURE**

Where conditions relate to the provision of infrastructure, these are non-trunk infrastructure conditions unless specifically nominated as a "**necessary infrastructure condition**" for the provision of trunk infrastructure as defined under Chapter 4 of the *Planning Act 2016*.

**ASSESSMENT MANAGER CONDITIONS****(C) ASSESSMENT MANAGER'S CONDITIONS (COUNCIL)****1. General**

1.1 Development must be carried out substantially in accordance with the approved plans and the facts and circumstances of the use as submitted with the application, and subject to any alterations:

- found necessary by the Council's Delegated Officer at the time of examination of the engineering plans or during construction of the development because of particular engineering requirements;
- to ensure the works comply in all respects with the requirements and procedures of the FNQROC Development Manual, Queensland Urban Drainage Manual and good engineering practice; and
- to ensure compliance with the following conditions of approval.

1.2 All operational works must be designed and constructed in accordance with the design guidelines and procedures as set out in the FNQROC Development Manual, prior to works acceptance.

**1.3 Plan Amendments**

The following plan amendments must be made to the 'for construction' plans and submitted to Council for review prior to prestart meeting occurring:

- The notation on plan no. *LU23112-1-CD-202* must be amended to reference *LU23112-1-CD-203* and not *LU23112-1-CD-204*.
- A notation must be added to plan no. *LU23112-2-CD-203* stating that owners consent must be obtained from the owners of Lot 1 on RP708284 prior to any earthworks occurring that may impact on this allotment.



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- 1.4 Deep lift asphalt shall be provided over culvert 1.A-1.B in order to achieve adequate coverage. The 'for construction' plans must be amended to reflect this prior to prestart meeting occurring.
- 1.5 'For Construction' Engineering Drawings, inclusive of any amendments required by Conditions of this Permit, must be certified as approved by a suitably qualified RPEQ Engineer and a copy submitted to Council, prior to Commencement of Work.
- 1.6 Where any part of Council's existing infrastructure or land is damaged as a result of construction activities occurring on the land, including but not limited to; mobilisation of heavy construction equipment, stripping, grubbing and vegetation damage, notify Council immediately of the affected infrastructure or land and have it repaired, replaced or reinstated at no cost to Council, prior to Works Acceptance.
- 1.7 **Runoff Generally**
- All reasonable and practicable measures must be taken to prevent pollution entering existing creeks, waterways or drainage lines, as a result of silt run-off, oil and grease spills from any machinery. Wastewater as a result of cleaning equipment must not be discharged directly or in-directly to any watercourses, stormwater systems or private properties (in accordance with the requirements of the Environmental Protection Act (1994), the FNQROC Development Manual and Best Practice Erosion & Sediment Control – IECA Australasia).
- 1.8 **Earthworks Construction**
- All earthworks must be constructed in accordance with AS 3798: Guidelines on earthworks for commercial and residential developments. At the completion of works, RPEQ Certification of the works and test results are required to be provided to Council, prior to Works Acceptance.
- 1.9 **Stormwater Drainage**
- Stormwater drainage as shown on the Approved Plan(s), must be constructed in accordance with the relevant design and specifications sections of the FNQROC Development Manual and the Queensland Urban Drainage Manual, prior to Works Acceptance.
- All stormwater from the land must be directed to a lawful point of discharge as per the Approved Plan(s) such that it does not adversely affect surrounding properties or properties downstream from the development, in accordance with the Queensland Urban Drainage Manual.
- 1.10 Council's examination of the documents should not be taken to mean that the documents have been checked in detail and Council takes no responsibility for their accuracy. If during construction, inadequacies of the design are



discovered, it is the responsibility of the Principal Consulting Engineer to resubmit amended plans to Council for approval and rectify works accordingly.

## **2. Pre-start Meeting**

- 2.1 In addition to the requirements of Clause CP1.07 and CP1.08 of the FNQROC Development Manual; after documentation has been approved by Council, a pre-start meeting is to be held on site prior to the commencement of work. Part 1 of the **attached** pre-start meeting pro-forma is to be completed and returned prior to the meeting including clause 1.u 'Request for Meeting' together with the prescribed Construction Monitoring Fee as set out in Council's Schedule of Fees.

## **3. Inspections**

- 3.1 Inspections are to be carried out as detailed in the FNQROC Manual unless advised otherwise at the pre-start meeting.

## **4. Construction Security Bond and Defects Liability Bond**

- 4.1 In addition to Clauses CP1.06 and CP1.20 of the FNQROC Development Manual; the Construction Security Bond and Defects Liability Bond shall each be a minimum of \$1000 and Bank Guarantees shall have no termination date.
- 4.2 During the Defects Liability period, it is the responsibility of the developer to rectify any works found to be defective due to design faults and or found to exhibit faults attributed to the performance of the construction activities in terms of quality and conformance with design and specifications. The bond will be returned on satisfactory correction of any defective work and after expiration of the maintenance period. Failure to comply with a Council issued instruction to correct defective work may result in the call up of the bond to have the work completed.

## **5. Hours of Work**

- 5.1 Work involving the operation of construction plant and equipment of any description, shall only be carried out on site during the following times:
- 7.00am to 6.00pm, Monday to Friday;
  - 7.00am to 1.00pm Saturdays;
  - No work is permitted on Sundays or Public Holidays.
- 5.2 No variation to the above working hours is allowed unless otherwise agreed in writing by Council.



## 6. Transportation of Soil

- 6.1 All soil transported to or from the site must be covered to prevent dust or spillage during transport. If soil is tracked or spilt onto the road pavement from works on the subject land, it must be removed no later than at the end of each working day. Sediment must not enter Council's stormwater drainage network.

### REFERRAL AGENCIES

Not Applicable.

### APPROVED PLANS

The following plans are Approved plans for the development:

Plan/Document Number	Plan/Document Title	Prepared by	Dated
<b>External Works</b>			
LU23112-1-CD-100	COVER SHEET, LOCALITY & DRAWING SCHEDULES	Lekker Urban	13/05/2025
LU23112-1-CD-101	CONSTRUCTION NOTES	Lekker Urban	13/05/2025
LU23112-1-CD-102	EROSION & SEDIMENT CONTROL NOTES & DETAILS	Lekker Urban	13/05/2025
LU23112-1-CD-200	EROSION & SEDIMENT CONTROL PLAN	Lekker Urban	13/05/2025
LU23112-1-CD-201	CLEARING & DEMOLITION PLAN	Lekker Urban	13/05/2025
LU23112-1-CD-202	CIVIL SITE WORKS LAYOUT PLAN	Lekker Urban	13/05/2025
LU23112-1-CD-203	SIGNAGE & LINEMARKING LAYOUT PLAN	Lekker Urban	13/05/2025
LU23112-1-CD-300	ROAD LONGITUDINAL SECTION - CHEWKO ROAD	Lekker Urban	13/05/2025
LU23112-1-CD-301	ROAD LONGITUDINAL SECTION - NEW ACCESS ROAD	Lekker Urban	13/05/2025
LU23112-1-CD-400	TYPICAL SECTIONS & DETAILS	Lekker Urban	13/05/2025
LU23112-1-CD-401	CROSS SECTIONS - CHEWKO ROAD - SHEET 1 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-402	CROSS SECTIONS - CHEWKO ROAD - SHEET 2 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-403	CROSS SECTIONS - CHEWKO ROAD - SHEET 3 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-404	CROSS SECTIONS - CHEWKO ROAD - SHEET 4 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-405	CROSS SECTIONS - CHEWKO ROAD - SHEET 5 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-406	CROSS SECTIONS - CHEWKO ROAD - SHEET 6 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-407	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 1 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-408	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 2 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-409	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 3 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-410	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 4 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-411	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 5 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-412	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 6 OF 6	Lekker Urban	13/05/2025
LU23112-1-CD-500	INTERSECTION DETAIL PLAN & KERB RETURNS SECTIONS	Lekker Urban	13/05/2025
LU23112-1-CD-501	RAIL CROSSING DETAIL PLAN	Lekker Urban	13/05/2025



LU23112-1-CD-600	DRAINAGE LONGITUDINAL SECTIONS	Lekker Urban	13/05/2025
LU23112-1-CD-601	DRAINAGE PIT SCHEDULES	Lekker Urban	13/05/2025
LU23112-1-CD-700	TYPICAL CONSTRUCTION DETAILS	Lekker Urban	13/05/2025
LU23112-1-CD-800	VEHICLE TURN MOVEMENT LAYOUT PLAN - SHEET 1 OF 2	Lekker Urban	13/05/2025
LU23112-1-CD-801	VEHICLE TURN MOVEMENT LAYOUT PLAN - SHEET 2 OF 2	Lekker Urban	13/05/2025
<b>Internal Works</b>			
CD-100	COVER SHEET, LOCALITY & DRAWING SCHEDULES	Lekker Urban	29/04/2025
CD-101	CONSTRUCTION NOTES	Lekker Urban	29/04/2025
CD-102	CONCEPT EROSION & SEDIMENT CONTROL NOTES	Lekker Urban	29/04/2025
CD-200	OVERALL GENERAL ARRANGEMENT LAYOUT PLAN	Lekker Urban	29/04/2025
CD-201	CONCEPT EROSION & SEDIMENT CONTROL LAYOUT PLAN	Lekker Urban	29/04/2025
CD-202	CLEARING & DEMOLITION LAYOUT PLAN	Lekker Urban	29/04/2025
CD-203	BULK EARTHWORKS LAYOUT PLAN	Lekker Urban	29/04/2025
CD-204	CIVIL SITE WORKS LAYOUT PLAN	Lekker Urban	29/04/2025
CD-300	ROAD LONGITUDINAL SECTIONS	Lekker Urban	29/04/2025
CD-301	ROAD LONGITUDINAL SECTIONS	Lekker Urban	29/04/2025
CD-302	ROAD LONGITUDINAL SECTIONS	Lekker Urban	29/04/2025
CD-400	TYPICAL ROAD SECTIONS	Lekker Urban	29/04/2025
CD-401	ROAD CROSS SECTIONS	Lekker Urban	29/04/2025
CD-402	ROAD CROSS SECTIONS	Lekker Urban	29/04/2025
CD-403	ROAD CROSS SECTIONS	Lekker Urban	29/04/2025
CD-404	ROAD CROSS SECTIONS	Lekker Urban	29/04/2025
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CD-408	ROAD CROSS SECTIONS	Lekker Urban	29/04/2025
CD-409	ROAD CROSS SECTIONS	Lekker Urban	29/04/2025
CD-410	ROAD CROSS SECTIONS	Lekker Urban	29/04/2025
CD-500	DETAIL LAYOUT PLAN	Lekker Urban	29/04/2025
CD-501	DETAIL LAYOUT PLAN	Lekker Urban	29/04/2025
CD-502	DETAIL LAYOUT PLAN	Lekker Urban	29/04/2025
CD-503	DETAIL LAYOUT PLAN	Lekker Urban	29/04/2025
CD-600	STORMWATER CATCHMENT LAYOUT PLAN	Lekker Urban	29/04/2025
CD-601	DRAINAGE LONGITUDINAL SECTIONS	Lekker Urban	29/04/2025
CD-602	DRAINAGE LONGITUDINAL SECTIONS	Lekker Urban	29/04/2025
CD-603	DRAINAGE PIT SCHEDULES & SETOUT	Lekker Urban	29/04/2025
CD-604	DETAIL LAYOUT PLAN & SECTIONS	Lekker Urban	29/04/2025
CD-605	DETAIL LAYOUT PLAN & SECTIONS	Lekker Urban	29/04/2025
CD-700	TYPICAL CONSTRUCTION DETAILS	Lekker Urban	29/04/2025
CD-701	TYPICAL CONSTRUCTION DETAILS	Lekker Urban	29/04/2025



**FURTHER DEVELOPMENT PERMITS REQUIRED**

- Nil

**RIGHTS OF APPEAL**

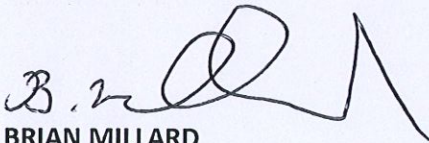
You are entitled to appeal against this decision. A copy of the relevant appeal provisions from the *Planning Act 2016* is attached.

During the appeal period, you as the applicant may suspend your appeal period and make written representations to council about the conditions contained within the development approval. If council agrees or agrees in part with the representations, a "negotiated decision notice" will be issued. Only one "negotiated decision notice" may be given. Taking this step will defer your appeal period, which will commence again from the start the day after you receive a "negotiated decision notice".

**OTHER DETAILS**

If you wish to obtain more information about Council's decision, electronic copies are available on line at [www.msc.qld.gov.au](http://www.msc.qld.gov.au), or at Council Offices.

Yours faithfully



**BRIAN MILLARD**  
**COORDINATOR PLANNING & BUILDING**

Enc: Approved Plans/Documents  
Appeal Rights



	<b>Approved Plans/Documents</b>
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**See Attached Signed Approved Plans.**

- Two Rivers Community School Stage 1 & 2 – External Civil Works
- Two Rivers Community School Stage 1 & 2 – Internal Civil Works



## Appeal Rights

PLANNING ACT 2016 & THE PLANNING REGULATION 2017

### Chapter 6 Dispute resolution

#### Part 1 Appeal rights

#### 229 Appeals to tribunal or P&E Court

(1) Schedule 1 of the *Planning Act 2016* states –

- (a) Matters that may be appealed to –
  - (i) either a tribunal or the P&E Court; or
  - (ii) only a tribunal; or
  - (iii) only the P&E Court; and
- (b) The person-
  - (i) who may appeal a matter (**the appellant**); and
  - (ii) who is a respondent in an appeal of the matter; and
  - (iii) who is a co-respondent in an appeal of the matter; and
  - (iv) who may elect to be a co-respondent in an appeal of the matter.

(Refer to Schedule 1 of the Planning Act 2016)

(2) An appellant may start an appeal within the appeal period.

(3) The **appeal period** is –

- (a) for an appeal by a building advisory agency – 10 business days after a decision notice for the decision is given to the agency; or
- (b) for an appeal against a deemed refusal – at any time after the deemed refusal happens; or
- (c) for an appeal against a decision of the Minister, under chapter 7, part 4, to register premises or to renew the registration of premises – 20 business days after a notice is published under section 269(3)(a) or (4); or
- (d) for an appeal against an infrastructure charges notice – 20 business days after the infrastructure charges notice is given to the person; or
- (e) for an appeal about a deemed approval of a development application for which a decision notice has not been given – 30 business days after the applicant gives the deemed approval notice to the assessment manager; or
- (f) for any other appeal – 20 business days after a notice of the decision for the matter, including an enforcement notice, is given to the person.

*Note –*

*See the P&E Court Act for the court's power to extend the appeal period.*

- (4) Each respondent and co-respondent for an appeal may be heard in the appeal.
- (5) If an appeal is only about a referral agency's response, the assessment manager may apply to the tribunal or P&E Court to withdraw from the appeal.



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- (6) To remove any doubt. It is declared that an appeal against an infrastructure charges notice must not be about-
- (a) the adopted charge itself; or
  - (b) for a decision about an offset or refund-
    - (i) the establishment cost of trunk infrastructure identified in a LGIP; or
    - (ii) the cost of infrastructure decided using the method included in the local government's charges resolution.

### 230 Notice of appeal

- (1) An appellant starts an appeal by lodging, with the registrar of the tribunal or P&E Court, a notice of appeal that-
  - (a) is in the approved form; and
  - (b) succinctly states the grounds of the appeal.
- (2) The notice of appeal must be accompanied by the required fee.
- (3) The appellant or, for an appeal to a tribunal, the registrar must, within the service period, give a copy of the notice of appeal to –
  - (a) the respondent for the appeal ; and
  - (b) each co-respondent for the appeal; and
  - (c) for an appeal about a development application under schedule 1, table 1, item 1 – each principal submitter for the development application; and
  - (d) for an appeal about a change application under schedule 1, table 1, item 2 – each principal submitter for the change application; and
  - (e) each person who may elect to become a co-respondent for the appeal, other than an eligible submitter who is not a principal submitter in an appeal under paragraph (c) or (d); and
  - (f) for an appeal to the P&E Court – the chief executive; and
  - (g) for an appeal to a tribunal under another Act – any other person who the registrar considers appropriate.
- (4) The *service period* is –
  - (a) if a submitter or advice agency started the appeal in the P&E Court – 2 business days after the appeal has started; or
  - (b) otherwise – 10 business days after the appeal is started.
- (5) A notice of appeal given to a person who may elect to be a co-respondent must state the effect of subsection (6).
- (6) A person elects to be a co-respondent by filing a notice of election, in the approved form, within 10 business days after the notice of appeal is given to the person.

### 231 Other appeals

- (1) Subject to this chapter, schedule 1 and the P&E Court Act, unless the Supreme Court decides a decision or other matter under this Act is affected by jurisdictional error, the decision or matter is non-appealable.
- (2) The *Judicial Review Act 1991*, part 5 applies to the decision or matter to the extent it is affected by jurisdictional error.
- (3) A person who, but for subsection (1) could have made an application under the *Judicial Review Act 1991* in relation to the decision or matter, may apply under part 4 of that Act for a statement of reasons in relation to the decision or matter.
- (4) In this section –



*decision* includes-

- (a) conduct engaged in for the purpose of making a decision; and
- (b) other conduct that relates to the making of a decision; and
- (c) the making of a decision or failure to make a decision; and
- (d) a purported decision ; and
- (e) a deemed refusal.

*non-appealable*, for a decision or matter, means the decision or matter-

- (a) is final and conclusive; and
- (b) may not be challenged, appealed against, reviewed, quashed, set aside or called into question in any other way under the Judicial Review Act 1991 or otherwise, whether by the Supreme Court, another court, a tribunal or another entity; and
- (c) is not subject to any declaratory, injunctive or other order of the Supreme Court, another court, a tribunal or another entity on any ground.

#### 232 Rules of the P&E Court

- (1) A person who is appealing to the P&E Court must comply with the rules of the court that apply to the appeal.
- (2) However, the P&E Court may hear and decide an appeal even if the person has not complied with the rules of the P&E Court.



# ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

## STAGE 1 & 2 - EXTERNAL CIVIL WORKS

### CHEWKO ROAD & 267 MCIVER ROAD, MAREEBA QLD

### TWO RIVERS COMMUNITY SCHOOL

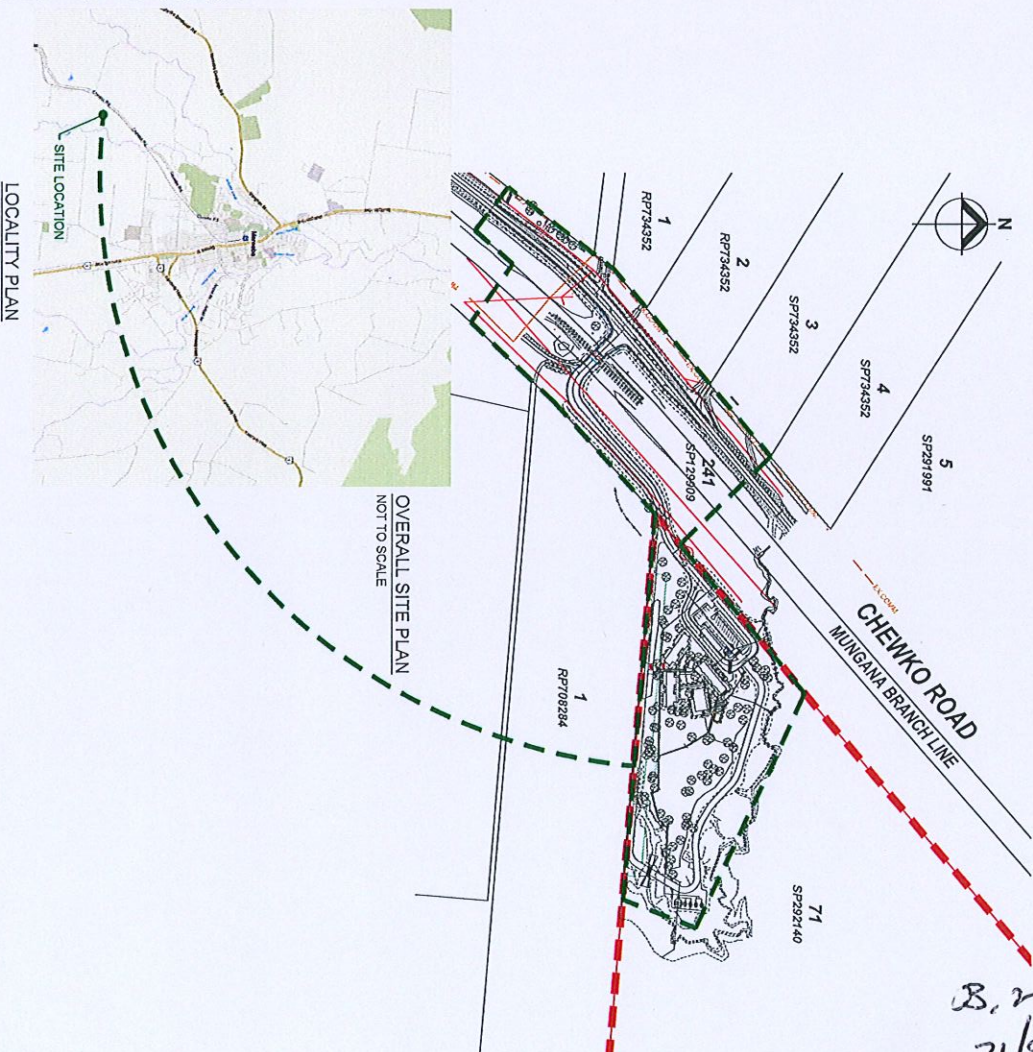
#### CIVIL ENGINEERING DRAWING LIST

DRAWING NUMBER	SHEET TITLE	REVISION
LU23112-1-CD-100	COVER SHEET, LOCALITY & DRAWING SCHEDULES	A
LU23112-1-CD-101	CONSTRUCTION NOTES	A
LU23112-1-CD-102	EROSION & SEDIMENT CONTROL NOTES & DETAILS	A
LU23112-1-CD-200	EROSION & SEDIMENT CONTROL PLAN	A
LU23112-1-CD-201	CLEARING & DEMOLITION PLAN	A
LU23112-1-CD-202	CIVIL SITE WORKS LAYOUT PLAN	A
LU23112-1-CD-203	SIGNAGE & LINEMARKING LAYOUT PLAN	A
LU23112-1-CD-300	ROAD LONGITUDINAL SECTION - CHEWKO ROAD	A
LU23112-1-CD-301	ROAD LONGITUDINAL SECTION - NEW ACCESS ROAD	A
LU23112-1-CD-400	TYPICAL SECTIONS & DETAILS	A
LU23112-1-CD-401	CROSS SECTIONS - CHEWKO ROAD - SHEET 1 OF 6	A
LU23112-1-CD-402	CROSS SECTIONS - CHEWKO ROAD - SHEET 2 OF 6	A
LU23112-1-CD-403	CROSS SECTIONS - CHEWKO ROAD - SHEET 3 OF 6	A
LU23112-1-CD-404	CROSS SECTIONS - CHEWKO ROAD - SHEET 4 OF 6	A
LU23112-1-CD-405	CROSS SECTIONS - CHEWKO ROAD - SHEET 5 OF 6	A
LU23112-1-CD-406	CROSS SECTIONS - CHEWKO ROAD - SHEET 6 OF 6	A
LU23112-1-CD-407	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 1 OF 6	A
LU23112-1-CD-408	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 2 OF 6	A
LU23112-1-CD-409	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 3 OF 6	A
LU23112-1-CD-410	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 4 OF 6	A
LU23112-1-CD-411	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 5 OF 6	A
LU23112-1-CD-412	CROSS SECTIONS - NEW ACCESS ROAD - SHEET 6 OF 6	A
LU23112-1-CD-500	INTERSECTION DETAIL PLAN & KERB RETURNS SECTIONS	A
LU23112-1-CD-501	RAIL CROSSING DETAIL PLAN	A
LU23112-1-CD-600	DRAINAGE LONGITUDINAL SECTIONS	A
LU23112-1-CD-601	DRAINAGE PIT SCHEDULES	A
LU23112-1-CD-700	TYPICAL CONSTRUCTION DETAILS	A
LU23112-1-CD-800	VEHICLE TURN MOVEMENT LAYOUT PLAN - SHEET 1 OF 2	A
LU23112-1-CD-801	VEHICLE TURN MOVEMENT LAYOUT PLAN - SHEET 2 OF 2	A

REFER TO DRAWING LU23112-2-CD-100 FOR THE INTERNAL WORKS DETAILS

#### RISK / ISSUES MANAGEMENT

RISK RATING		RECOMMENDATION			
C	H				
C	H	RISKS / DESIGN ISSUES / DISCUSSIONS			
C	H	M	L	WORKS WITHIN THE ROAD RESERVE FOR THE WEEDING OF DRIVEWAY ROAD AND THE CONSTRUCTION OF THE NEW ACCESS ROAD ARE WITHIN THE DIRECT VICINITY OF OVERHEAD POWER LINES	CONTRACTOR TO ENSURE ALL RELEVANT MEASURES ARE IN PLACE TO MAINTAIN THE WORKS SAFELY
M		WORKS WITHIN THE RAIL CORRIDOR	IF PHYSICAL ACCESS TO LAND IS CONTROLLED BY QUEENSLAND RAIL, A RAIL ACCESS AGREEMENT WILL BE REQUIRED. IF WORKS ARE OCCUPYING ADJACENT TO THE RAIL CORRIDOR AND HAVE THE POTENTIAL TO INTERFERE WITH RAIL OPERATIONS, A RAIL INFRASTRUCTURE AGREEMENT WILL BE REQUIRED. THE LEVELS OF THE EXISTING RAIL LINE AND INSTALLED THE CONCRETE CROSSING IN ACCORDANCE WITH OVERHEAD AND GROUNDWATER DEPARTMENT OF MAIN ROADS STANDARD DRAWING 881 - FOR CONCRETE CROSSING		
H		WORKS TO THE EXISTING RAIL	DETAILED PLANNING AND SURVEY HAS BEEN OBTAINED FOR THE PROJECT. CONTRACTOR IS TO CONSULT WITH THE LEVELS OF THE EXISTING RAIL LINE AND INSTALLED THE CONCRETE CROSSING IN ACCORDANCE WITH OVERHEAD AND GROUNDWATER DEPARTMENT OF MAIN ROADS STANDARD DRAWING 881 - FOR CONCRETE CROSSING		
H		WORKS TO THE EXISTING RAIL CROSSING WITHIN THE ROAD RESERVE EXCEEDS THE LIMITS OF THE DESIGNATED PROPERTY BOUNDARY OF THE RAIL CORRIDOR DUE TO THE RECOMMENDATIONS CONTAINED WITHIN THE DESIGN NOTICE	CLIENT PROJECT MANAGER AND LAND RAIL TO CONSIDER THAT WORKS CAN EXCEED THE BOUNDARY PRIOR TO COMMENCEMENT OF WORKS AND OWNERS CONSENT TO BE PROVIDED BY CH IN THE FORM OF WRITTEN APPROVAL		



B. Hill  
21/8/2025

Revision	A	100% DESIGN ISSUE - FOR APPROVAL (DWM)	J.L.A.	13/05/2025
Drawn				
Checked				
Approved				

DRAWING NOT TO SCALE

Two Rivers Community School  
Stage 1 & 2 - External Civil Works  
Cover Sheet, Locality & Drawing Schedules

CHEWKO ROAD & 267 MCIVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

FOR APPROVAL LU23112-1-CD-100 A



MANUFACTURER'S RECOMMENDATIONS

- [illegible]

IF MANHOLE OR MAINTENANCE SHAFTS ARE FOUND TO BE WITHIN AN AREA OF CONCRETE, THE CURROUND IS TO BE SET IN THE CONCRETE WITH A COMPRESSIBLE LAYER BETWEEN IT AND THE NEW CONCRETE TO ALLOW FOR FUTURE EXPANSION/CONTRACTION. ALL CURROUND SHALL BE SET TO THE SAME FINISH AS THE ADJACENT PAVEMENT.

- [illegible]

2

- B. n d  
2/12/2025



PROGRESSIVE EROSION AND SEDIMENT CONTROL PLANS (E/SESD) PLANS SHALL BE DEVELOPED AND IMPLEMENTED AS REQUIRED BY THE SITE SUPERVISOR BASED ON THIS PLAN AND FOLLOWING PRINCIPLES AND STANDARD SITE CONTROL MEASURES.

1.1. CONSTRUCTION WORKS TO BE MANAGED SUCH THAT AREAS OUTSIDE SCOPE OF WORKS REMAIN UNDISTURBED WHERE POSSIBLE.

- 1.3. MINIMISE DISTURBANCE OF VEGETATION ALONG THE ROAD VERGE WITH SPECIAL EMPHASIS ON MANAGEMENT OF CONSTRUCTION ACTIVITIES ADJACENT TO AND WATERCOURSES (E.G. MAINTAIN GRASSY BUFFER WHERE POSSIBLE)

- 2.1. SEPARATE CLEAN RUNOFF WATER FROM 'DIRTY' (E.G. TURBID) CONSTRUCTION AREA RUNOFF (MAINTAIN CLEAN WATER PASSAGE THROUGH CULVERT CROSSING THROUGHOUT CONSTRUCTION WORKS).
- 2.2. CONSTRUCT PERMANENT DRAINAGE STRUCTURES EARLY IN THE PROJECT INCLUDING:

- 2.3. MAXIMISE THE SHEET FLOW OF TURBID CONSTRUCTION RUNOFF INTO EXISTING SPOON DRAIN (ON UP SLOPE SIDE ROAD) BY MAINTAINING INFALL DRAINAGE WHERE POSSIBLE AND INTO NEW CUTTERS AS CONSTRUCTED.

### 3.1. THE INSTALLATION OF ALL EROSION AND SEDIMENT CONTROLS TO OCCUR IMMEDIATELY POST CLEARING AND STABILIZATION

- 3.2. SITE STOCKPILES OF SOIL MATERIAL IN LOW-HAZARD AREAS CLEAR OF WATERCOURSES. ADDITIONAL PROTECT BE AFFORDED WITH TEMPORARY VEGETATION, DIVERSION BANKS AND SEDIMENT CONTROL MEASURES. IF ROAD SEED STOCKPILES WITH ANNUAL CEREAL IF THEY ARE TO BE STORED LONGER THAN 10 DAYS.
- 3.3. CONSTRUCT A RANGE OF EROSION CONTROLS WITHIN THE VARIOUS ROAD SITUATIONS TO COMPLEMENT

- 4.1. THE INSTALLATION OF ALL EROSION AND SEDIMENT CONTROLS TO OCCUR IMMEDIATELY POST CLEARING AND STRIPPING.
- 4.2. CONSTRUCT CONTROL MEASURES AS CLOSE TO THE POTENTIAL SOURCE OF SEDIMENT AS POSSIBLE.
- 4.3. CONTROL THE DEPOSITION OF MUD AND SOIL MATERIAL ONTO LOCAL ROADS.

- 5.1. ALL BATTERY ABISATION AND REINSTATEMENT WORKS ADJACENT TO NEW CONSTRUCTION SHALL BE CARRIED OUT AS SOON AS POSSIBLE AFTER COMPLETION OF CONSTRUCTION WORKS.

- 2.4. ALL TYPES OF RENOVATION PROJECTS ARE TO BE CARRIED OUT BY RELEVANT AGENCIES IN ACCORDANCE WITH SPECIAL ANNUAL GRASS SEEDING AND MAINTENANCE PROGRAMS.
- 3.1. ANNUAL GRASS SEEDING SUCH AS ANNUAL, PERENNIAL OR JAPANESE MILLET, OR TURF, AS SOON AS PRACTICAL, REINSTATEMENT.
- 3.2. THE USE OF IMPORTED QUALITY TOPSOIL, TO A 4:1:1 TO BE OF A SANDY LOAM, FREE FROM NUT GRASS.
- 5.4. ENSURE THE SUCCESS OF THE LATER RENOVATION PROGRAM BY UTILISING A GOOD TOPSOIL MANAGEMENT PROGRAM.
- 5.5. CONTROL DUST THROUGH PROGRESSIVE RENOVATION TECHNIQUES, WATER TANKERS ETC.

- 6.1. ENSURE THE PROPER DESIGN AND CONTINUAL IMPROVEMENT AND MAINTENANCE OF TEMPORARY PERSONAL SEDIMENT CONTROLS (E.G. SEDIMENT FENCES, DIVERSION BASINS, DIVERSION DRAINS, SEDIMENT TRAPS).
- 6.2. CONDUCT REGULAR VISUAL INSPECTIONS OF SEDIMENT CONTROLS TO MONITOR FOR SEDIMENT CONTROL FAILURE, SEDIMENT LEAKAGE FROM STRUCTURES (E.G. SCOUR), AND ADEQUATE PERSONNEL TRAINING AND EQUIPMENT.
- 6.3. CONDUCT REGULAR VISUAL INSPECTIONS OF SEDIMENT CONTROLS TO MONITOR FOR SEDIMENT CONTROL FAILURE AND REPLETION AS NECESSARY TO MAINTAIN FUNCTIONALITY.
- 6.4. ADVISE REGULAR INSPECTIONS BY AN ENVIRONMENTAL SCIENTIST TO REVIEW AND UPDATE CONTROL MEASURES TO ADDRESS CHANGING SITE CONDITIONS AND TO MONITOR FOR ANY UNEXPECTED POLLUTANT RELEASES OR POLLUTANT ENRICHMENT TO THE NATURE OF THE SEDIMENT.
- 6.5. ADVISE REGULAR VISUAL INSPECTIONS OF SEDIMENT CONTROLS TO MONITOR FOR ANY UNEXPECTED POLLUTANT RELEASES OR POLLUTANT ENRICHMENT TO THE NATURE OF THE SEDIMENT.
- 6.6. ALL PERSONNEL AND SEDIMENT CONTROLS TO BE MAINTAINED IN PLACE UNTIL ALL WORKS ARE COMPLETED AND DISTURBED AREAS HAVE BEEN STABILIZED.

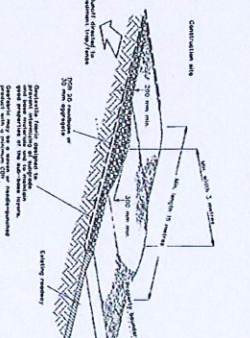
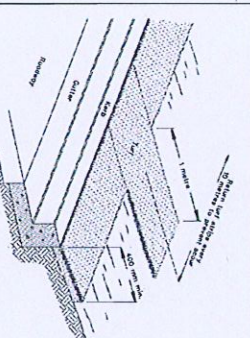
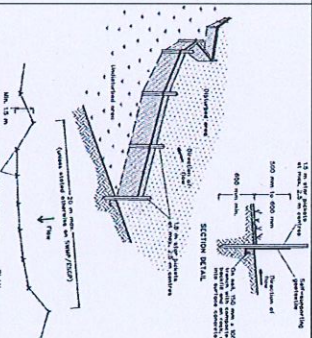
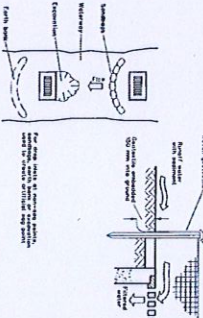
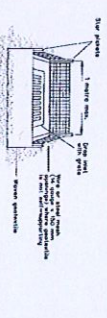
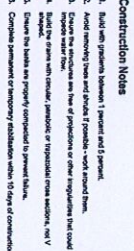
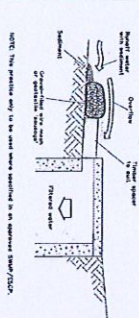
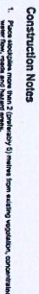
- EXTRACT FROM LANCOCM (2004), MANAGING URBAN STORMWATER, SOIL AND CONSTRUCTION, VOLUME 23 MAIN ROAD CONSTRUCTION 2008


CONSTRUCTION 2001

EXTRACT FROM LANDCOM (2004), MANAGING URBAN STORMWATER, SOIL AND CONSTRUCTION, VOLUME 20 MAIN ROADS CONSTRUCTION 2008

PROTECTION; HOWEVER, IT IS STILL THE PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WORKS AND MITIGATION STRATEGIES ARE PERFORMED IN A MANNER THAT COMPLIES WITH ALL RELEVANT ENVIRONMENTAL LEGISLATION INCLUDING ANY DEVELOPMENT APPROVAL REQUIREMENTS.

- [illegible]



B.   
21/8/2025

[illegible]





**CHEWKO ROAD**  
Walkam  
2  
SP173566

**NOTE:** THE LOCATION OF EXISTING UTILITIES (ELECTRICITY, GAS, WATER, SEWER, ETC.) IS SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORKS.

12  
SP158613

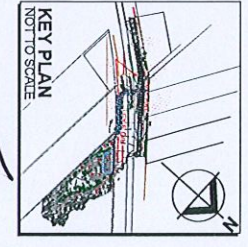
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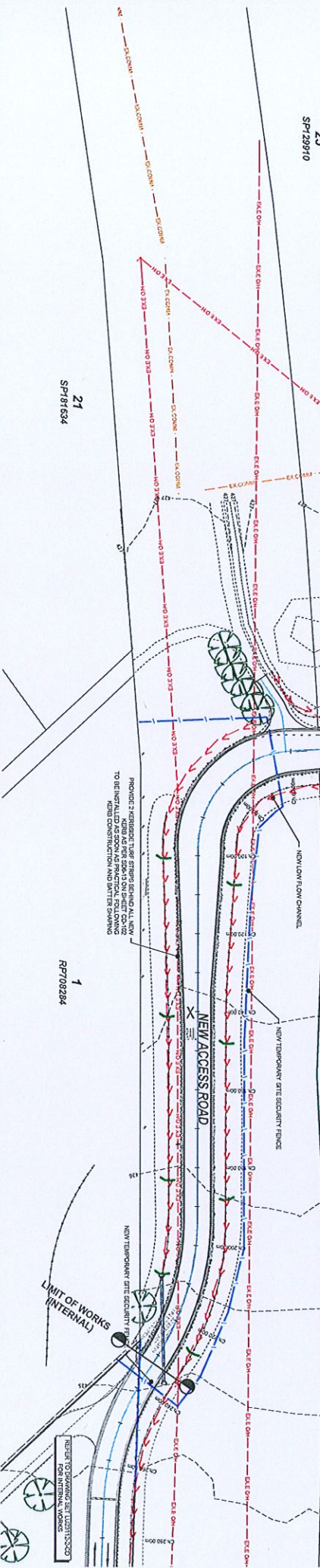
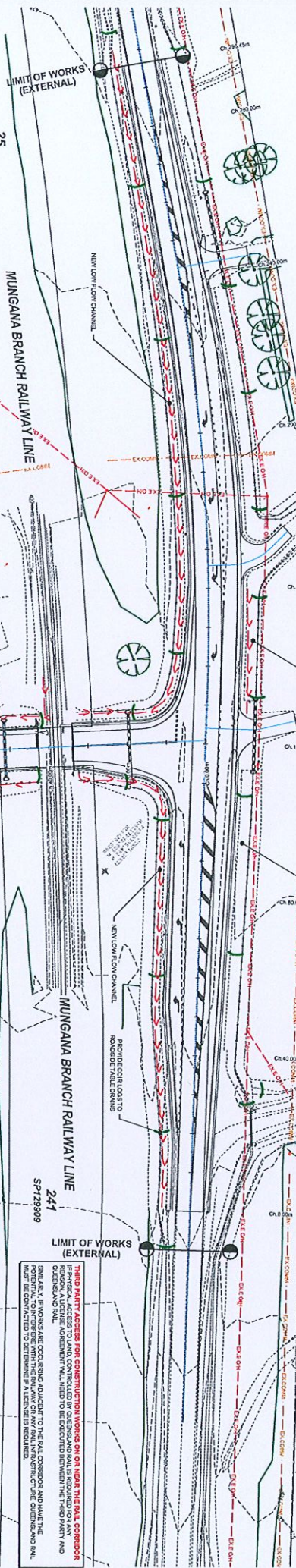
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**CHEWKO ROAD**  
Mareeba

**NOTE:**  
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF WORKS.  
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.  
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING VEGETATION AND LANDSCAPE.  
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ROADS AND PATHS.  
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING FENCING AND BOUNDARIES.  
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND INFRASTRUCTURE.  
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ENVIRONMENTAL FEATURES.  
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING CULTURAL HERITAGE.  
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SOCIAL AND COMMUNITY ASSETS.  
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ECONOMIC ASSETS.



3.7.12/8/2025



SCALE 1:500 @ A1  
0 10 20 30 40 50 m

Designed: A.D.B.  
Checked: J.L.A.  
Date: 13/05/2025

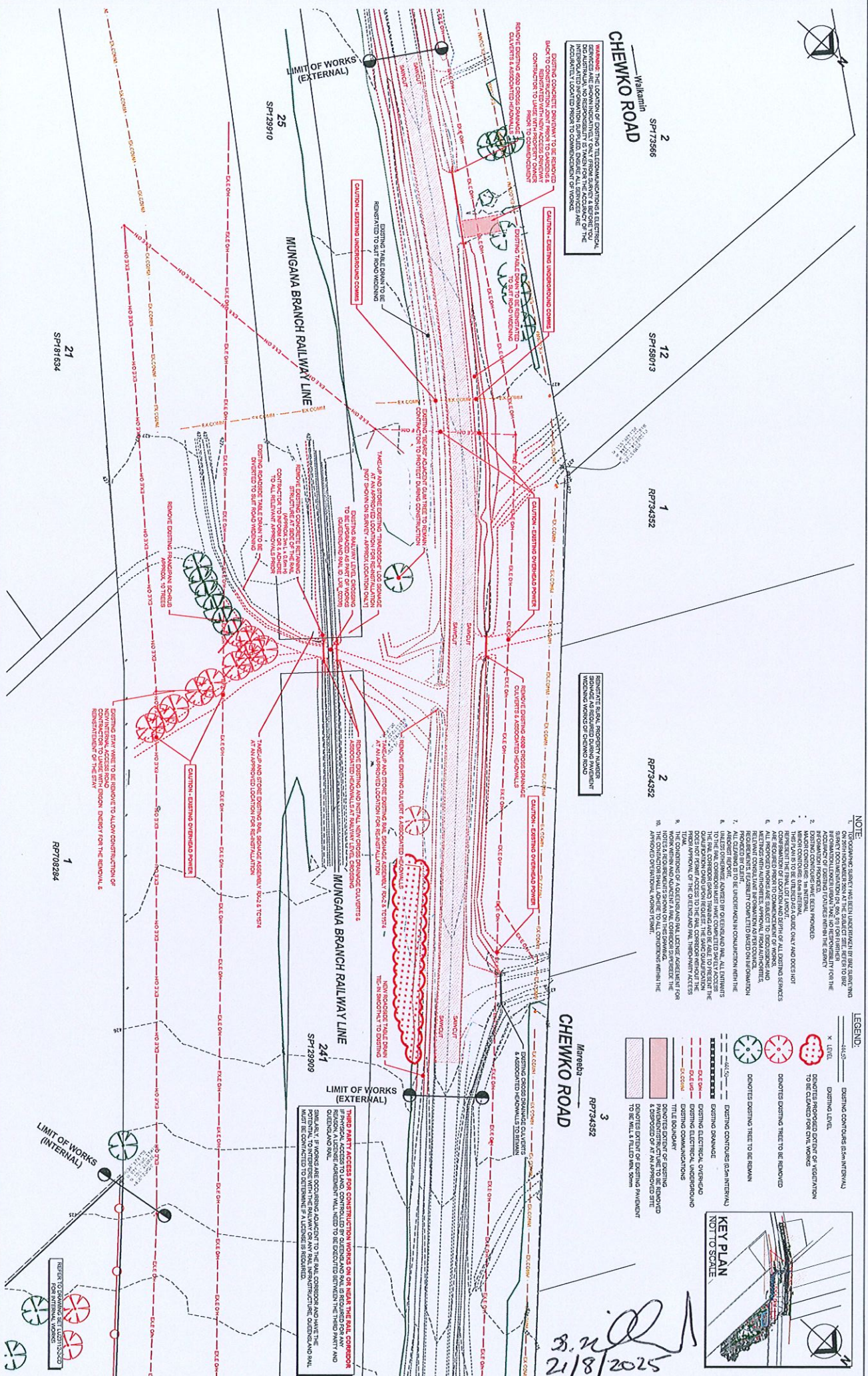
**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
EROSION & SEDIMENT CONTROL PLAN**  
CHEWKO ROAD & 287 MCIVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL  
**FOR APPROVAL** LU23112-1-CD-200 A

Revision	Description	Author	Check	Date
1	100% DESIGN ISSUE - FOR APPROVAL (CPW)	J.L.A.	J.L.A.	13/05/2025

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**Lekker Urban.**  
ENGINEERS, ARCHITECTS & LANDSCAPE ARCHITECTS  
10/100 BAYVIEW DRIVE, MAREEBA QLD 4870  
PH: 07 5599 1114



[illegible]

B. n. Q  
21/8/2025









Wakamini  
**CHEWKO ROAD**

**WARNING:** THE LOCATION OF EXISTING TELECOMMUNICATIONS & ELECTRICAL SERVICES ARE SHOWN INDICATIVELY ONLY. FROM SURVEY & BEFORE YOU ENTER THE SITE, YOU MUST CONDUCT A VISUAL SURVEY OF THE AREA TO IDENTIFY ALL SERVICES AND ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORKS.

SP-129910

25

**MUNGANA BRANCH RAILWAY LINE**

**SIGNAGE AND LINE MARKING NOTES:**

1. CHEWKO ROAD DESIGN SPEED: 110km/h (100km/h POSTED - 100km/h)
2. PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742
3. PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742
4. PROVIDES ONLY REQUIREMENTS AND RECOMMENDATIONS SPECIFIC TO CHEWKO ROAD
5. WHERE THE AUSTRALIAN STANDARD IS ACCEPTED, THE AUSTRALIAN STANDARD SHALL BE INSTALLED FROM THE EDGE LINE ON THE TRAFFIC LINE SIDE (IE THE RIGHT HAND SIDE OF THE TRAFFIC LANE)
6. THE BOTTOM OF ALL UNLIT SIGN POSTS SHALL BE FLATTENED PRIOR TO THE
7. STREET NAME SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH INROAD STANDARD
8. DRAWING SIGNS SHALL BE PROVIDED AS ALL LOCATIONS WHERE CONCRETE KERBS & DRAWING SIGNS TRAFFIC CONTROL DEVICES
9. ROAD EDGE GUIDES POSTS SHALL BE PROVIDED AS ALL LOCATIONS WHERE CONCRETE KERBS & DRAWING SIGNS TRAFFIC CONTROL DEVICES
10. GUIDE POSTS SHALL CONFORM TO AND BE INSTALLED IN ACCORDANCE WITH THE MUTO, FOR CHEWKO ROAD DETAILS, REFER TO PLANS 1:241 BY - PAINTED ISLAND AT
11. CHANNELLED SHORT TURN OF AS 1742.2.2005 FOR ADDITIONAL DETAILS
12. REQUIREMENTS OF AS 4843.3 AND HAVING APPROVAL UNDER THE AUSTRALIAN PAVEMENT APPROVAL, SIGNAGE (PAVING) - SPECIFICATION AS 3004.4
13. TWO COATS OF PAINT AND GLASS BEADS SHALL BE APPLIED ON LONGITUDINAL LINES TO NEW
14. REFLECTIVE GLASS BEADS SHALL BE TYPE B, C D GLASS BEADS AS DESCRIBED IN AS 2003
15. REFLECTIVE GLASS BEADS SHALL BE TYPE B, C D GLASS BEADS AS DESCRIBED IN AS 2003

SP158013

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Mareeba  
**CHEWKO ROAD**

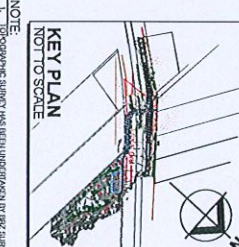
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241

**THIRD PARTY ACCESS FOR CONSTRUCTION WORKS ON OR NEAR THE RAIL CORRIDOR**  
GARDENLAND RAIL  
SHALL, IF WORKS ARE OCCURRING ADJACENT TO THE RAIL CORRIDOR AND HAVE THE GARDENLAND RAIL, A LICENSE AGREEMENT WILL NEED TO BE EXECUTED BETWEEN THE THIRD PARTY AND GARDENLAND RAIL. THE AGREEMENT WILL BE CONDUCTED TO DETERMINE IF A LICENSE IS REQUIRED.

**LINE MARKING LEGEND:**

EDGE LINE	EL1	100mm
CONTINUITY LINE	CL1	100mm
OUTLINE MARKING	OL1	100mm
DOUBLE ONE-WAY BARRIERS	BL1	100mm
DOUBLE ONE-WAY BARRIERS	BL2	100mm
DOUBLE ONE-WAY BARRIERS	BL3	100mm
DOUBLE ONE-WAY BARRIERS	BL4	100mm
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**NOTE:**

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REVISION	DATE	BY	APPROVED	DATE	BY
A	12/05/2025	JLLA	13/05/2025	JLLA	13/05/2025
TWO RIVERS COMMUNITY SCHOOL STAGE 1 & 2 - EXTERNAL CIVIL WORKS SIGNAGE & LANE MARKING LAYOUT PLAN CHEWKO ROAD & 267 MOVER ROAD, MAREEBA QLD ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL FOR APPROVAL LU23112-1-CD-203 A					

**Lekker Urban.**

SCALE: 1:500 @ A1  
0 10 20 30 40 50 m

21/8/2025



R.L. 419.700

## HORIZONTAL GEOMETRY AT ROAD CENTRELINE


$L=135$   
 $B=229^{\circ}47'16''$

$$L=108$$
$$B = 217.5014$$

CH 120.839 RL 426.972 INTERSECTION WITH CL INTERNAL ACCESS ROAD  
CH 124.082 RL 428.561 INTERSECTION WITH CL DRIVEWAY LOT 1

CH 165.824 RL 427.082 INTERSECTION WITH CL DRIVEWAY LOT 12

CH 242 946 BL 427.774 INTERSECTION WITH CL DRIVEWAY LOT 2

B. n.   
21/8/2025

SCALE H: 1:500 V: 1:50

[illegible][illegible]







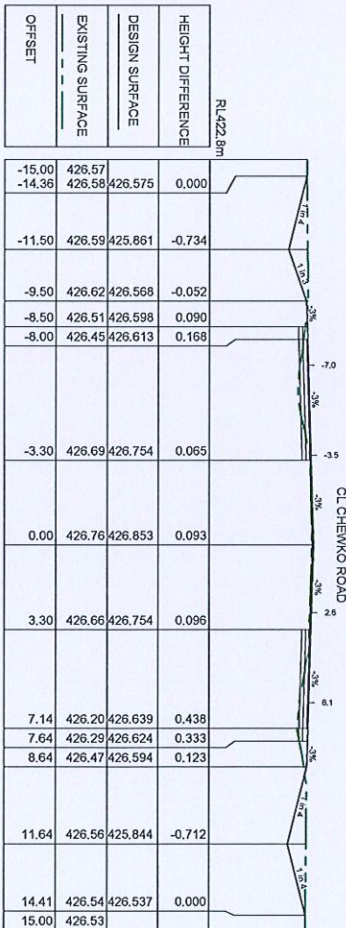
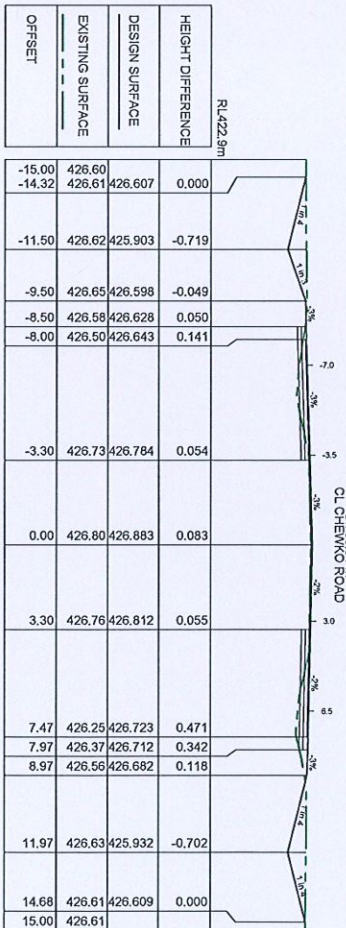
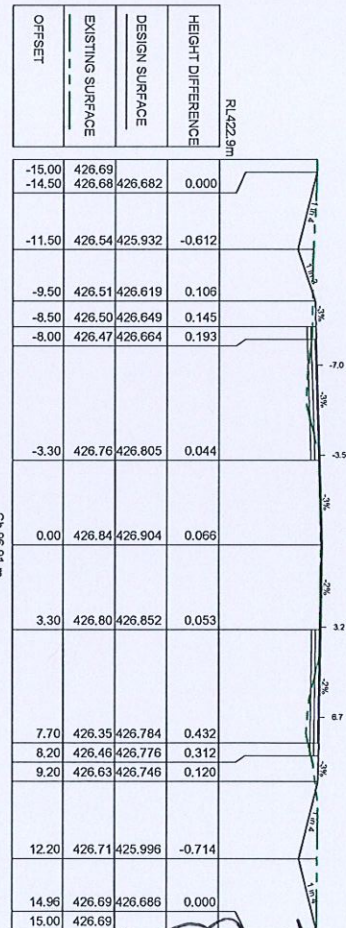
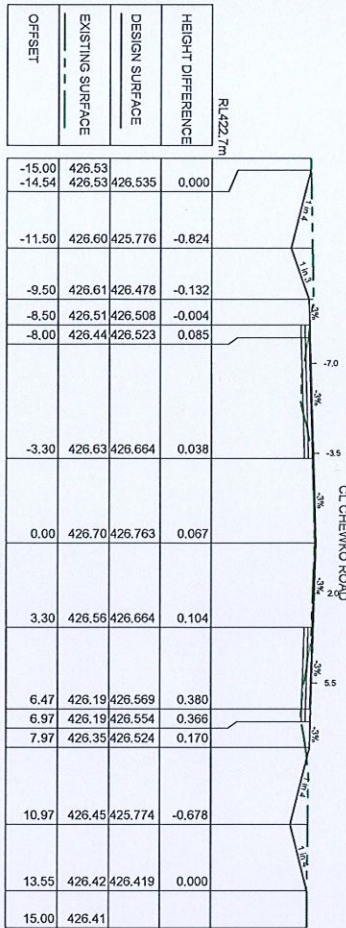
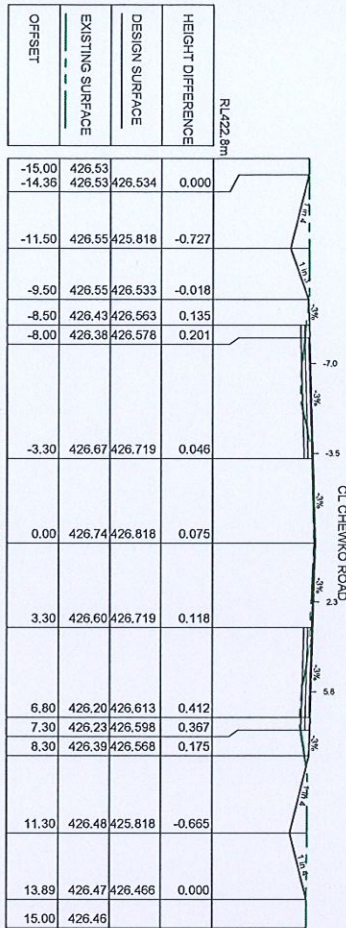
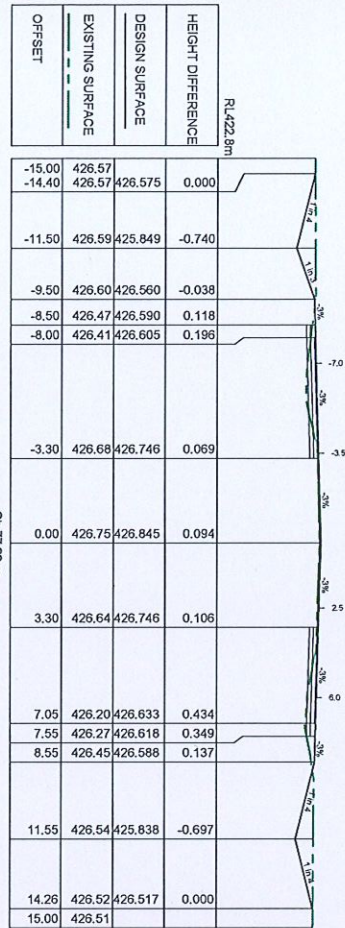








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100% DESIGN ISSUE - FOR APPROVAL (CPM)

Approved: J.L.A. Date: 13/05/2025

Project: LUKER Urban.

Client: J.L.A.

Scale: 1:1000

Sheet: 2 OF 6

FOR APPROVAL LUK3112-1-CD-402 A

TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
CROSS SECTIONS - CHEWKO ROAD - SHEET 2 OF 6  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL





RL423.2m			
HEIGHT DIFFERENCE	DESIGN SURFACE	EXISTING SURFACE	OFFSET
-15.00	426.83		
-12.90	426.86	426.857	
-10.41	426.89	426.262	-0.626
-8.34	426.80	426.766	-0.271
-7.30	426.66	426.772	-0.001
-6.79	426.58	426.775	0.147
-3.30	426.80	426.910	0.110
0.00	426.90	427.009	0.112
3.30	426.97	427.065	0.092
8.00	426.49	427.144	0.656
8.50	426.55	427.152	0.602
9.50	426.68	427.122	0.446
12.50	426.72	426.372	-0.347
13.85	426.71	426.710	0.000
15.00	426.78		

RL423.2m			
HEIGHT DIFFERENCE	DESIGN SURFACE	EXISTING SURFACE	OFFSET
-0.020	426.507	426.79	-15.00
-0.582	426.228	426.82	-12.86
-0.389	426.739	426.85	-10.18
-0.244	426.741	426.81	-8.98
-0.244	426.741	426.81	-8.98
-0.139	426.742	426.75	-8.40
0.083	426.897	426.81	-3.30
0.083	426.996	426.91	0.00
0.081	427.039	426.96	3.30
0.621	427.099	426.48	8.00
0.602	427.100	426.50	8.17
-0.049	426.757	426.75	13.98
-0.045	426.756	426.75	14.00
-0.042	426.755	426.75	14.01
-0.039	426.754	426.75	14.02
-0.037	426.754	426.75	14.03
-0.035	426.754	426.75	14.04
-0.033	426.753	426.75	14.05
-0.031	426.753	426.75	14.06
-0.029	426.752	426.75	14.08
-0.028	426.752	426.75	14.07
-0.026	426.751	426.75	14.07
-0.024	426.748	426.75	14.08
	426.748	426.74	15.00

RL423.2m			
HEIGHT DIFFERENCE	DESIGN SURFACE	EXISTING SURFACE	OFFSET
-15.00	426.75	426.686	
-4.50	426.65	426.843	0.188
-3.30	426.82	426.879	0.057
0.00	426.91	426.978	0.069
3.30	426.93	427.001	0.071
8.00	426.97	427.033	0.067
15.00	426.75	426.974	

B. n. d.  
21/8/2025

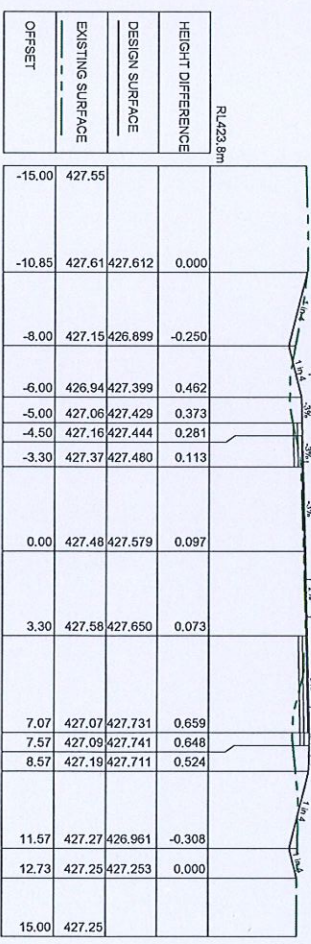
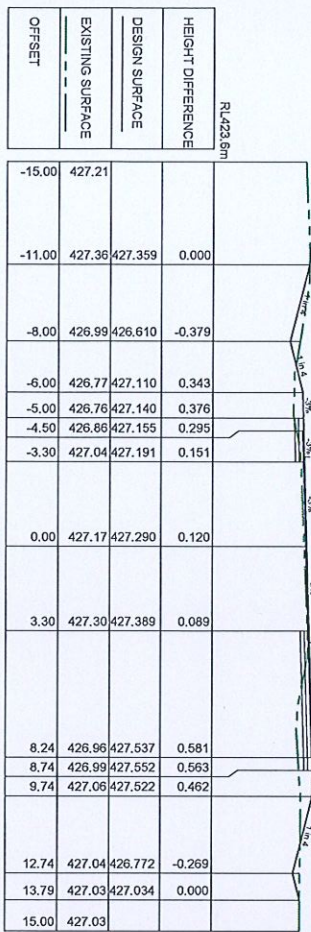
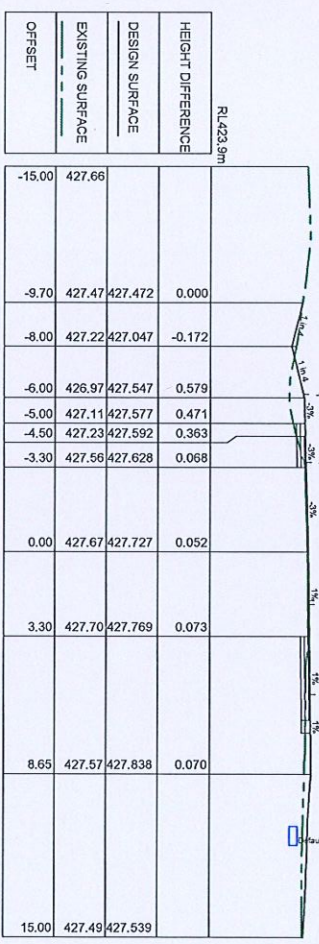
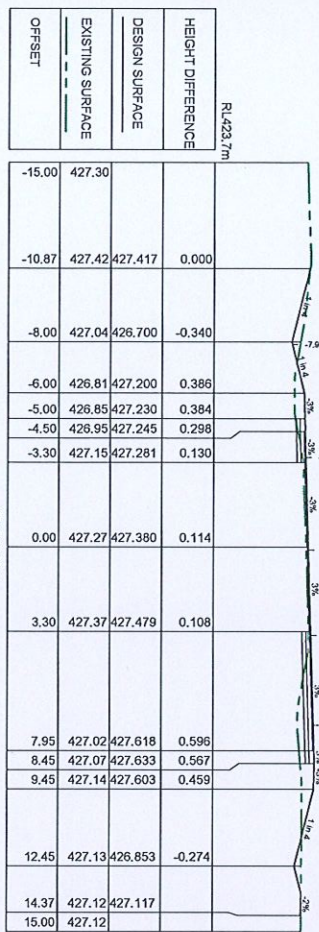
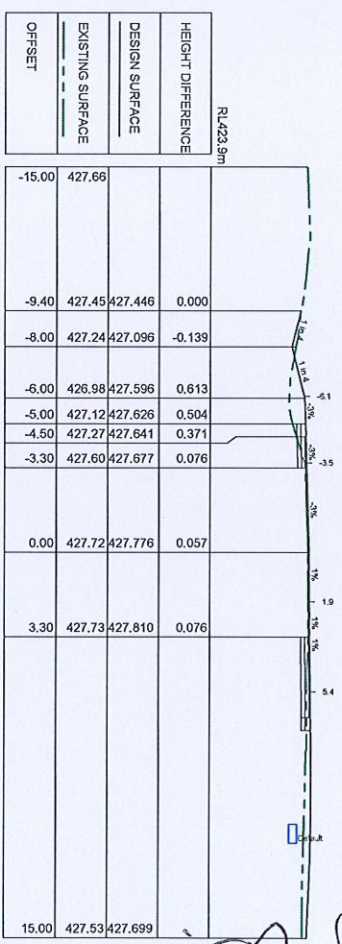
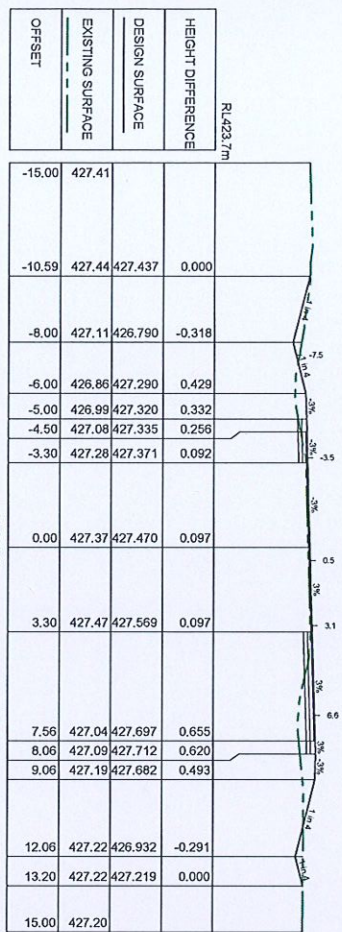
		<p>SCALE 1:100@A1</p> 		<p><b>TWO RIVERS COMMUNITY SCHOOL STAGE 1 &amp; 2 - EXTERNAL CIVIL WORKS CROSS SECTIONS - CHEWMO ROAD - SHEET 3 OF 6</b></p>	
<p>Original: NOTWAGAN ENGINEERING LTD          17011 17012 17013 17014 17015 17016 17017 17018 17019 17020 17021 17022 17023 17024 17025 17026 17027 17028 17029 17030 17031 17032 17033 17034 17035 17036 17037 17038 17039 17040 17041 17042 17043 17044 17045 17046 17047 17048 17049 17050 17051 17052 17053 17054 17055 17056 17057 17058 17059 17060 17061 17062 17063 17064 17065 17066 17067 17068 17069 17070 17071 17072 17073 17074 17075 17076 17077 17078 17079 17080 17081 17082 17083 17084 17085 17086 17087 17088 17089 17090 17091 17092 17093 17094 17095 17096 17097 17098 17099 17100 17101 17102 17103 17104 17105 17106 17107 17108 17109 17110 17111 17112 17113 17114 17115 17116 17117 17118 17119 17120 17121 17122 17123 17124 17125 17126 17127 17128 17129 17130 17131 17132 17133 17134 17135 17136 17137 17138 17139 17140 17141 17142 17143 17144 17145 17146 17147 17148 17149 17150 17151 17152 17153 17154 17155 17156 17157 17158 17159 17160 17161 17162 17163 17164 17165 17166 17167 17168 17169 17170 17171 17172 17173 17174 17175 17176 17177 17178 17179 17180 17181 17182 17183 17184 17185 17186 17187 17188 17189 17190 17191 17192 17193 17194 17195 17196 17197 17198 17199 17200 17201 17202 17203 17204 17205 17206 17207 17208 17209 17210 17211 17212 17213 17214 17215 17216 17217 17218 17219 17220 17221 17222 17223 17224 17225 17226 17227 17228 17229 17230 17231 17232 17233 17234 17235 17236 17237 17238 17239 17240 17241 17242 17243 17244 17245 17246 17247 17248 17249 17250 17251 17252 17253 17254 17255 17256 17257 17258 17259 17260 17261 17262 17263 17264 17265 17266 17267 17268 17269 17270 17271 17272 17273 17274 17275 17276 17277 17278 17279 17280 17281 17282 17283 17284 17285 17286 17287 17288 17289 17290 17291 17292 17293 17294 17295 17296 17297 17298 17299 17300 17301 17302 17303 17304 17305 17306 17307 17308 17309 17310 17311 17312 17313 17314 17315 17316 17317 17318 17319 17320 17321 17322 17323 17324 17325 17326 17327 17328 17329 17330 17331 17332 17333 17334 17335 17336 17337 17338 17339 17340 17341 17342 17343 17344 17345 17346 17347 17348 17349 17350 17351 17352 17353 17354 17355 17356 17357 17358 17359 17360 17361 17362 17363 17364 17365 17366 17367 17368 17369 17370 17371 17372 17373 17374 17375 17376 17377 17378 17379 17380 17381 17382 17383 17384 17385 17386 17387 17388 17389 17390 17391 17392 17393 17394 17395 17396 17397 17398 17399 17400 17401 17402 17403 17404 17405 17406 17407 17408 17409 17410 17411 17412 17413 17414 17415 17416 17417 17418 17419 17420 17421 17422 17423 17424 17425 17426 17427 17428 17429 17430 17431 17432 17433 17434 17435 17436 17437 17438 17439 17440 17441 17442 17443 17444 17445 17446 17447 17448 17449 17450 17451 17452 17453 17454 17455 17456 17457 17458 17459 17460 17461 17462 17463 17464 17465 17466 17467 17468 17469 17470 17471 17472 17473 17474 17475 17476 17477 17478 17479 17480 17481 17482 17483 17484 17485 17486 17487 17488 17489 17490 17491 17492 17493 17494 17495 17496 17497 17498 17499 17500 17501 17502 17503 17504 17505 17506 17507 17508 17509 17510 17511 17512 17513 17514 17515 17516 17517 17518 17519 17520 17521 17522 17523 17524 17525 17526 17527 17528 17529 17530 17531 17532 17533 17534 17535 17536 17537 17538 17539 17540 17541 17542 17543 17544 17545 17546 17547 17548 17549 17550 17551 17552 17553 17554 17555 17556 17557 17558 17559 17560 17561 17562 17563 17564 17565 17566 17567 17568 17569 17570 17571 17572 17573 17574 17575 17576 17577 17578 17579 17580 17581 17582 17583 17584 17585 17586 17587 17588 17589 17590 17591 17592 17593 17594 17595 17596 17597 17598 17599 17600 17601 17602 17603 17604 17605 17606 17607 17608 17609 17610 17611 17612 17613 17614 17615 17616 17617 17618 17619 17620 17621 17622 17623 17624 17625 17626 17627 17628 17629 17630 17631 17632 17633 17634 17635 17636 17637 17638 17639 17640 17641 17642 17643 17644 17645 17646 17647 17648 17</p>					







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 J.L.A. 13/05/2025  
 APPROVED  
 J.L.A. 13/05/2025

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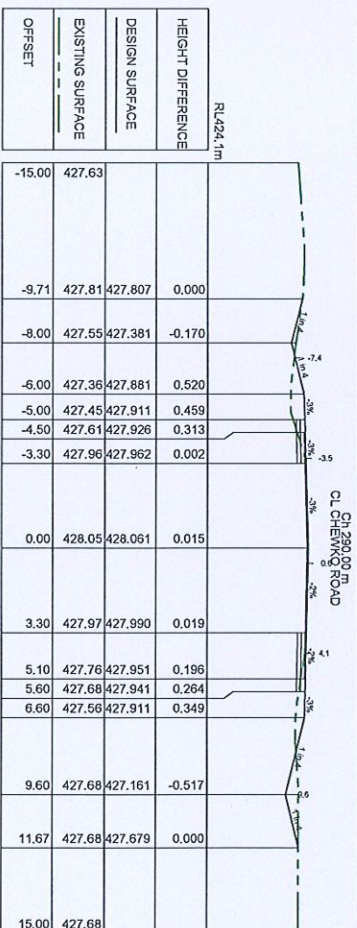
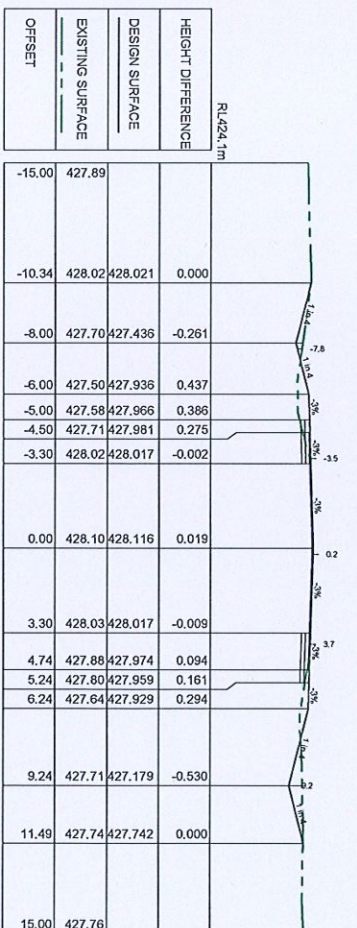
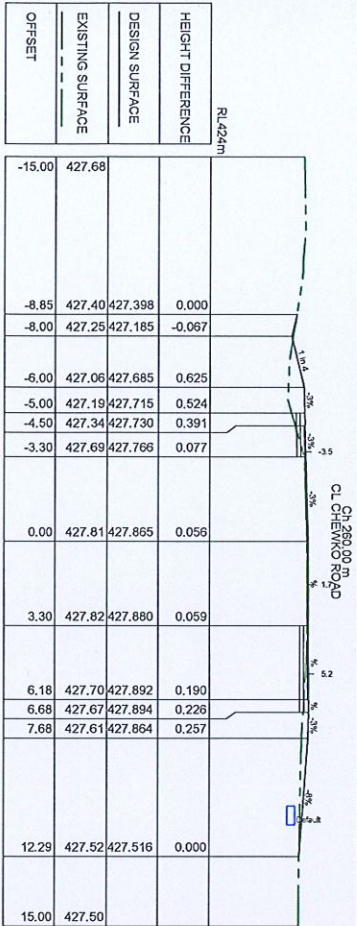
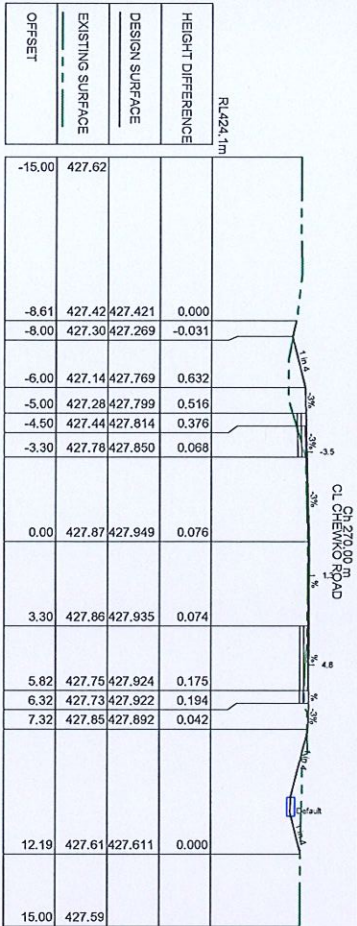
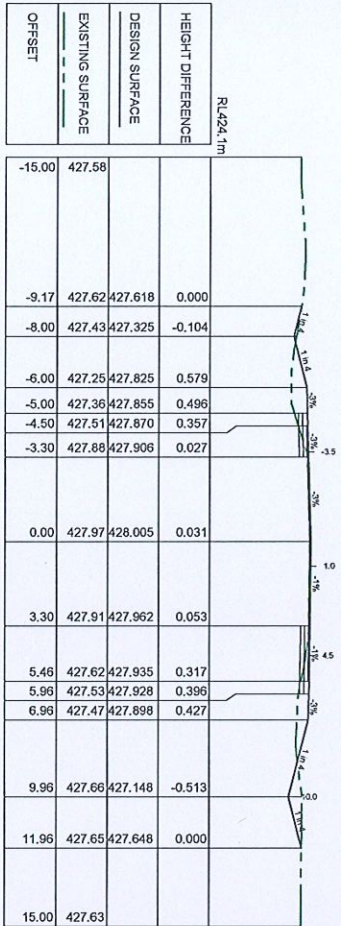
DESIGNED: A.P.B.  
 CHECKED: J.L.A.  
 DATE: 13/05/2025

TWO RIVERS COMMUNITY SCHOOL  
 STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
 CROSS SECTIONS - CHEWKO ROAD - SHEET 5 OF 6  
 ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL  
 FOR APPROVAL LU23112-1-CD-405 A

B. 2025  
 21/8/2025



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SCALE 1:1000

TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
CROSS SECTIONS - CHEWKO ROAD - SHEET 6 OF 6



Project: A.P.B  
Author: J.L.A  
Date: 13/05/2025

CHEWKO ROAD & 267 MCIVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL  
FOR APPROVAL LU23112-1-CD-406 A

Revision	Author	Approved	Date
A	J.L.A	J.L.A	13/05/2025
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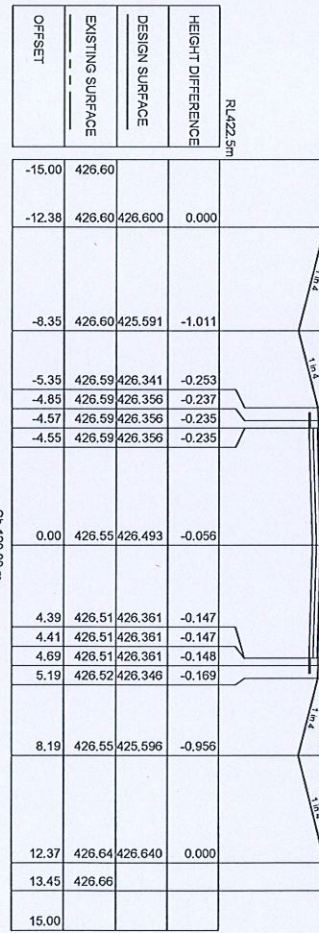
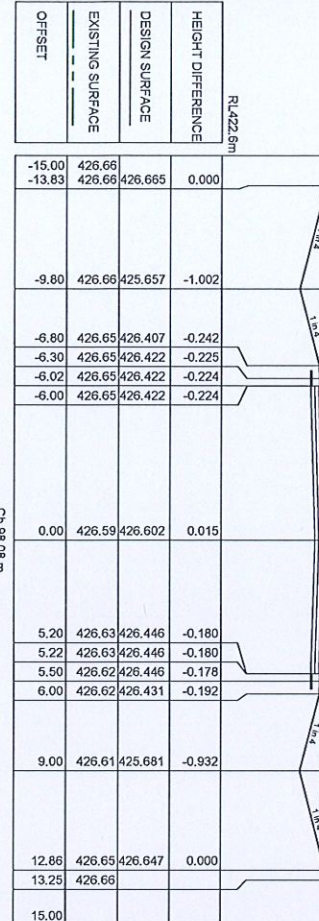
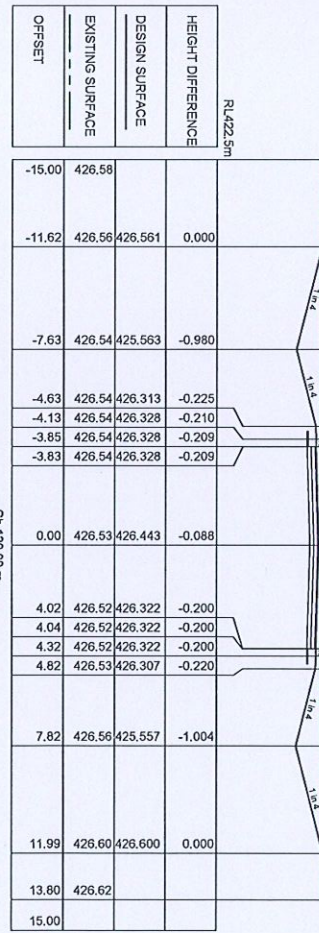
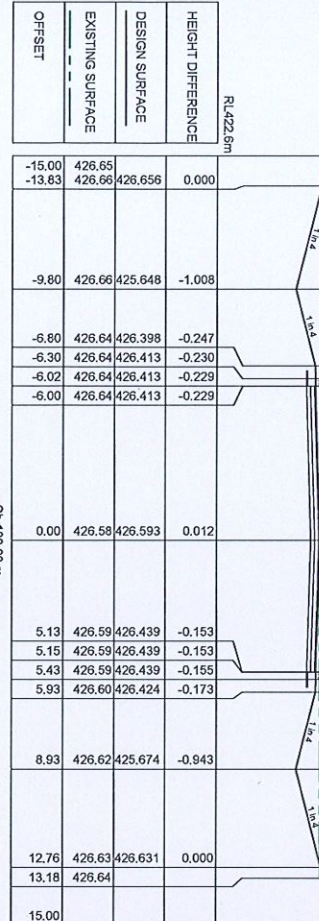
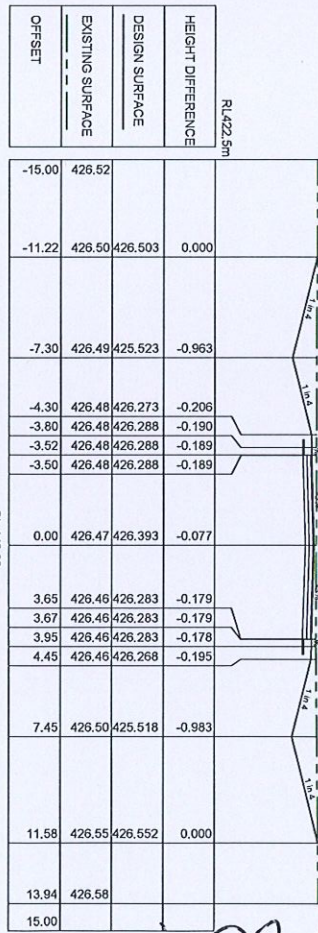
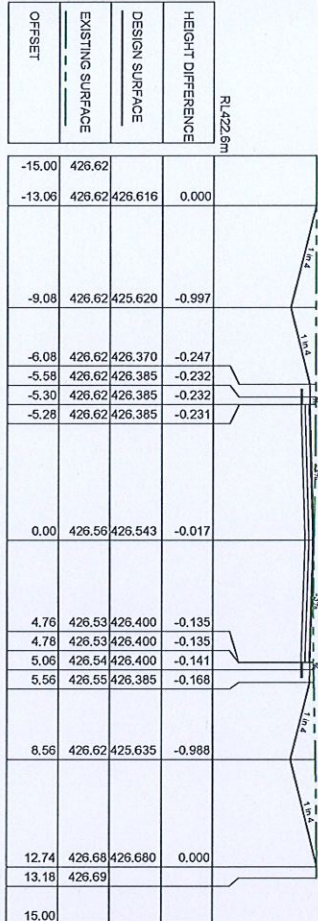








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100% DESIGN ISSUE - FOR APPROVAL (DPM)

Author: J.L.A.

Approved: J.L.A.

Date: 13/05/2025

100% DESIGN ISSUE - FOR APPROVAL (DPM)

Author: J.L.A.

Approved: J.L.A.

Date: 13/05/2025

**Lekker Urban.**

Original: A.D.B.

Revised: J.L.A.

Scale: 1:100 @ 10m

DATE: 13/05/2025

Original: A.D.B.

Revised: J.L.A.

Scale: 1:100 @ 10m

DATE: 13/05/2025

**TWO RIVERS COMMUNITY SCHOOL**

**STAGE 1 & 2 - EXTERNAL CIVIL WORKS**

**CROSS SECTIONS - NEW ACCESS ROAD - SHEET 4 OF 6**

**CHENKO ROAD & 267 NEWER ROAD MASEBERA OLD**

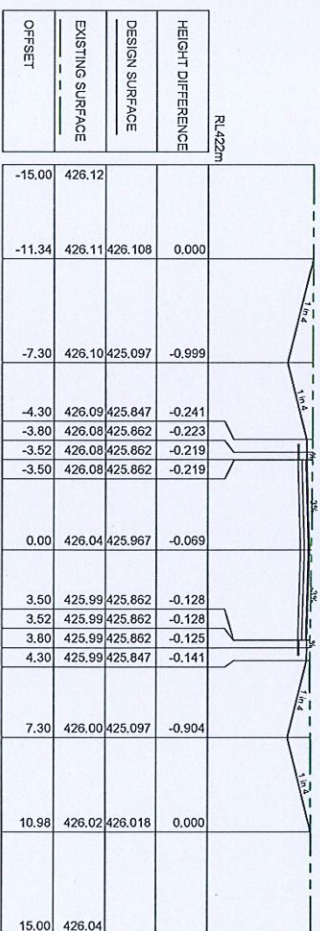
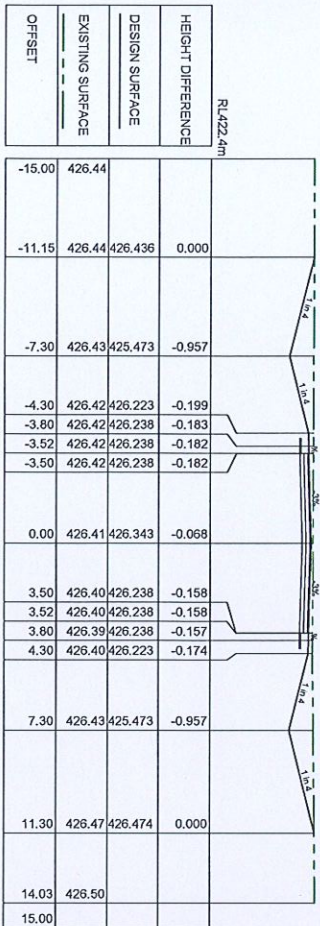
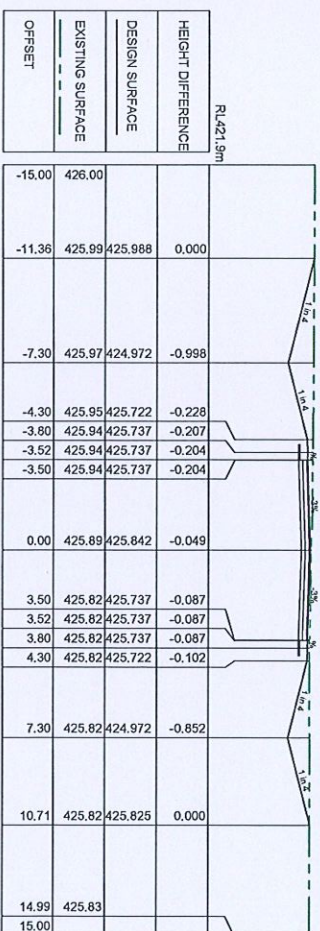
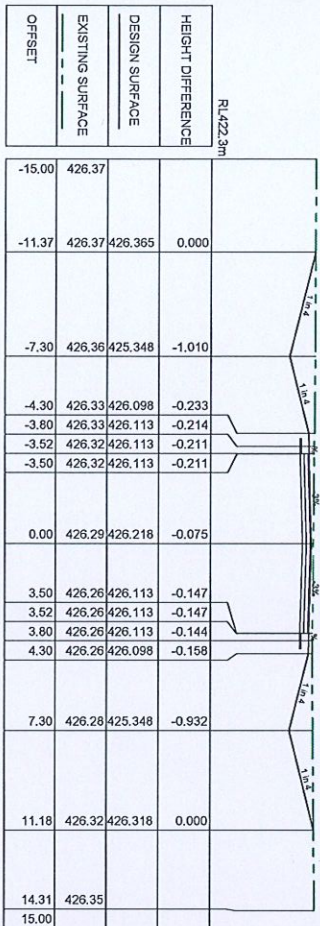
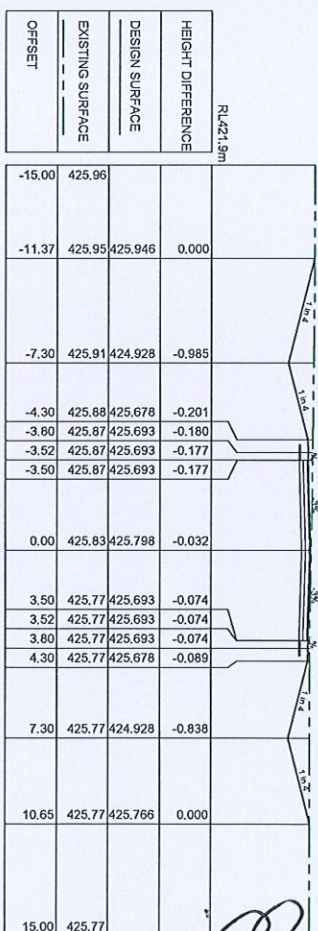
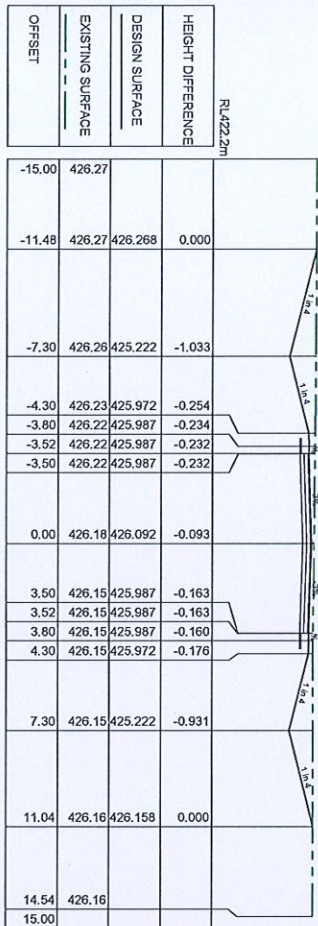
**ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL**

**FOR APPROVAL LUT3112-1-CD-410 A**

21/8/2025



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100% DESIGN ISSUE - FOR APPROVAL (CPW)

Author: J.L.A.

Approved: J.L.A.

Date: 13/05/2025

CONTACT: LUKER URBAN DESIGN

100% DESIGN ISSUE - FOR APPROVAL (CPW)

Author: J.L.A.

Approved: J.L.A.

Date: 13/05/2025

SCALE 1:100 @ 1m

0 2 4 6 8 10 m

DESIGNED: J.L.A.

APPROVED: J.L.A.

DATE: 13/05/2025

**TWO RIVERS COMMUNITY SCHOOL**

**STAGE 1 & 2 - EXTERNAL CIVIL WORKS**

**CROSS SECTIONS - NEW ACCESS ROAD - SHEET 5 OF 6**

**CHEWKO ROAD & 287 MCIVER ROAD, MAREEBA QLD**

**ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL**

**FOR APPROVAL LU23112-1-CD-411 A**

B.2.2  
 21/8/2025



R421.5m			
HEIGHT DIFFERENCE			
DESIGN SURFACE			
EXISTING SURFACE			
OFFSET			
-15.00	425.28		
-10.01	425.27	425.274	0.000
-7.30	425.27	424.596	-0.676
-4.30	425.27	425.346	0.076
-3.80	425.27	425.361	0.092
-3.52	425.27	425.361	0.091
-3.50	425.27	425.361	0.091
0.00	425.31	425.466	0.151
3.50	425.37	425.361	-0.006
3.52	425.37	425.361	-0.007
3.80	425.37	425.361	-0.011
4.30	425.38	425.346	-0.034
10.10	425.47	425.447	
10.31	425.47		
15.00			

HEIGHT DIFFERENCE	DESIGN SURFACE	EXISTING SURFACE	OFFSET
		425.56	-15.00
0.000	425.574	425.57	-10.71
-0.855	424.721	425.58	-7.30
-0.094	425.471	425.56	-4.30
-0.077	425.486	425.56	-3.80
-0.076	425.486	425.56	-3.52
-0.076	425.486	425.56	-3.50
0.082	425.591	425.51	0.00
-0.021	425.486	425.51	3.50
-0.022	425.486	425.51	3.52
-0.023	425.486	425.51	3.80
-0.042	425.471	425.51	4.30
-0.812	424.721	425.53	7.30
0.000	425.555	425.56	10.64
		425.57	13.60
			15.00

R1421.8m			
HEIGHT DIFFERENCE			
DESIGN SURFACE			
EXISTING SURFACE			
OFFSET			
-15.00	425.82		
-11.18	425.82	425.816	0.000
-7.30	425.80	424.846	-0.949
-4.30	425.76	425.596	-0.159
-3.80	425.75	425.611	-0.138
-3.52	425.75	425.611	-0.134
-3.50	425.75	425.611	-0.134
0.00	425.70	425.716	0.017
3.50	425.67	425.611	-0.057
3.52	425.67	425.611	-0.057
3.80	425.67	425.611	-0.057
4.30	425.67	425.596	-0.073
7.30	425.67	424.846	-0.826
10.62	425.68	425.677	0.000
14.84	425.68		
15.00			

RL421.4m			
HEIGHT DIFFERENCE	DESIGN SURFACE	EXISTING SURFACE	OFFSET
		424.98	-15.00
0.000	424.993	424.99	-9.39
-0.587	424.471	425.06	-7.30
0.078	425.221	425.14	-4.30
0.082	425.236	425.15	-3.80
0.076	425.236	425.16	-3.52
0.076	425.236	425.16	-3.50
0.106	425.341	425.23	0.00
-0.074	425.236	425.31	3.50
-0.074	425.236	425.31	3.52
-0.080	425.236	425.32	3.80
-0.106	425.221	425.33	4.30
-0.488	425.245	425.36	5.71
		425.36	8.52
			15.00

[illegible]

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CHARLES M. MAGALIE, THE STREET SMITH CO., OLD  
CONTACT@OLD-STREETSMITH.COM  
WWW.OLD-STREETSMITH.COM APR 20 2014

Designed:	A.P.E.
Authorised:	J.L.A.

Checked: J.L.A  
Date: 13/05/2025

**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
CROSS SECTIONS - NEW ACCESS ROAD - SHEET 6 OF 6**

HEWKO ROAD & 287 MCIVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

DATE/NO. REVISED: \_\_\_\_\_

**FOR APPROVAL** LU23112-1-CD-412

HEWKO ROAD & 267 MCIVER ROAD, MAREEBA OLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

DRAWING NUMBER LU23112-1-CD-412

**FOR APPROVAL**

HEWKO ROAD & 267 MCIVER ROAD, MAREEBA OLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

DRAWING NUMBER LU23112-1-CD-412

**FOR APPROVAL**

HEWKO ROAD & 267 MCIVER ROAD, MAREEBA OLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

DRAWING NUMBER LU23112-1-CD-412

**FOR APPROVAL**

HEWKO ROAD & 267 MCIVER ROAD, MAREEBA OLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

DRAWING NUMBER LU23112-1-CD-412

**FOR APPROVAL**

**NOTE:**

The above clarity was given verbally by me on 7th SEPTEMBER 2020 at the student's office to Mr. SAKANT KUMAR.

DO NOT SIGN ANYTHING IN THE PRESENCE OF MR. SAKANT KUMAR OR ANY OTHER PERSONS WHO ARE RESPONSIBLE FOR THE SECURITY OF THE CAMPUS.

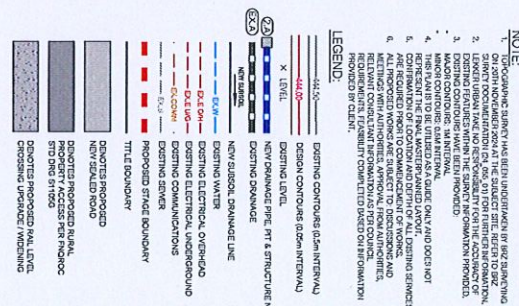
1. I HAVE BEEN MADE AWARE BY MR. SAKANT KUMAR THAT THE CONSERVATION OF LOCATION AND IDENTITY OF ALL LISTED STUDENTS ARE REQUIRED PRIOR TO COMMUNICATION ON WORKING.

2. I HAVE BEEN MADE AWARE BY MR. SAKANT KUMAR THAT MEETING WITH AUTHORITIES APPROVAL FROM AUTHORITIES IS REQUIRED PRIOR TO COMMUNICATION ON WORKING.

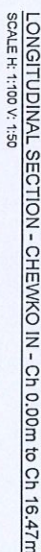
3. I HAVE BEEN MADE AWARE BY MR. SAKANT KUMAR THAT RECORDS OF STUDENT'S NAME SHOULD BE KEPT SEPARATELY PROVIDED BY CLIENT.

88. *[Signature]*  
21/8/2025





HORIZONTAL GEOMETRY AT ROAD CENTRELINE			R.L. 423.500
HEIGHT DIFFERENCE (m)	DESIGN LEVELS AT ROAD CENTRELINE	EXISTING LEVELS AT ROAD CENTRELINE	
0.000	426.55	426.678	<p>Crest Ch 1,244 RL 426.68</p> <p>IP. 426.678</p> <p>8.218</p> <p>IP. 426.690</p> <p>1.193% R</p> <p>-1.053%</p> <p>366.243 R</p> <p>8.218</p> <p>IP. 426.573</p> <p>Sag Ch 14,373 RL 426.570</p> <p>IP. 426.576</p>
0.010	426.55	426.678	
1.000	426.59	426.680	
2.000	426.64	426.680	
2.000	426.68	426.679	
3.000	426.87	426.676	
4.000	426.90	426.671	
4.119	426.91	426.670	
5.000	426.93	426.663	
6.000	426.94	426.653	
7.000	426.89	426.640	
8.000	426.83	426.625	
8.228	426.83	426.622	
8.248	426.83	426.621	
9.000	426.82	426.610	
9.491	426.81	426.603	
10.000	426.80	426.596	
11.000	426.78	426.586	
12.000	426.75	426.578	
12.357	426.75	426.576	
13.000	426.73	426.573	
14.000	426.71	426.571	
14.373	426.71	426.570	
15.000	426.70	426.571	
16.000	426.69	426.574	
16.468	426.69	426.576	
16.476	426.69	426.576	




**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
INTERSECTION DETAIL PLAN & KERB RETURNS SECTIONS**

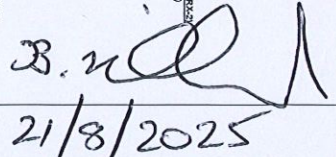
CHEMCO ROAD & 287 MCIVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

**FOR APPROVAL** LU23112-1-CD-500 A

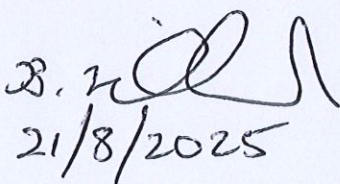
DRAWN: TUMULUCE  
RAY

B. n.   
21/8/2025







[illegible]



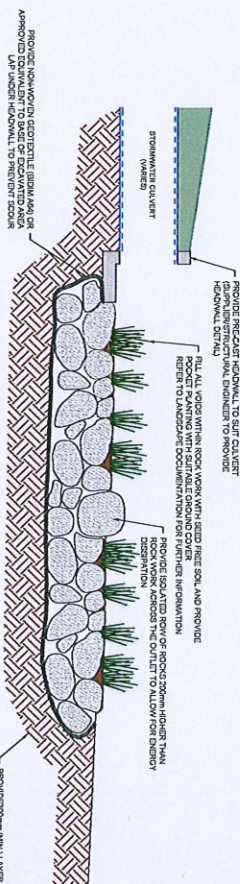
S. 200  
21/8/2025

## DRAINAGE PIT SCHEDULE

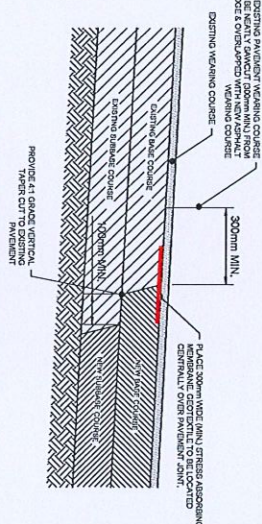
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1M (MIN.) ——— 1M (MIN.)

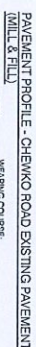


**TYPICAL CULVERT HEADWALL - INLET/OUTLET DETAIL**  
**NOT TO SCALE**

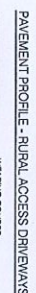


PARAMETER	DESIGN VALUES	
	ACCESS ROAD	
ADOT	< 250	
STREET TYPE (FHQDC)	ACCESS	
% CV	5%	
% ESAY	1.0	
MINIMUM ESAY	1.0 X 10 <sup>3</sup>	
DESIGN SUBGRADE COR	5%	

**RIGID PAVEMENT - 400mm**  
(REFER TO OLD DTMR STANDARD DRAWING 801 & ETS  
GEOTECHNICAL REPORT FOR FORMAL PAVEMENT DESIGN)



WEARING COURSE:  
50mm ASPHALT (DG10)  
BITUMEN EMULSION PRIMER



**WEARING COURSE:**  
50mm ASPHALT (DG 10)  
BITUMEN EMULSION PRIMA



1. SUBGRADE TREATMENT WHERE GBR (PROVISIONAL) FOR THE FOLLOWING GROUND IMPROVEMENT WORKS OF THE EXCAVATION OF THE EXISTING SUBGRADE MATERIAL, TO BE RECOMPACTED - FOR RE-USE.
2. EXISTING A 0.4m LAYER OF SHO WRAPPED IN A SUITABLE GEOTEXTILE MEMBRANE.

1. SUBGRADE TREATMENT WHERE COR < 5% (PROVISIONAL) FOR THE FOLLOWING OPTIO  
GROUND IMPROVEMENT WORKS, CONS  
OF THE EXCAVATION OF THE EXISTING  
SUBGRADE MATERIAL TO BE PLACED &  
RECOMPACTED - FOR RE-USE.
2. EXISTING A 0.4m LAYER OF SHOT ROCK  
WRAPPED IN A SUITABLE GEOTEXTILE  
MEMBRANE.

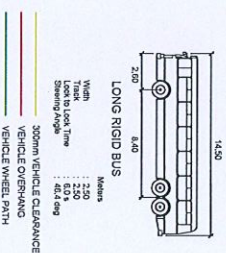
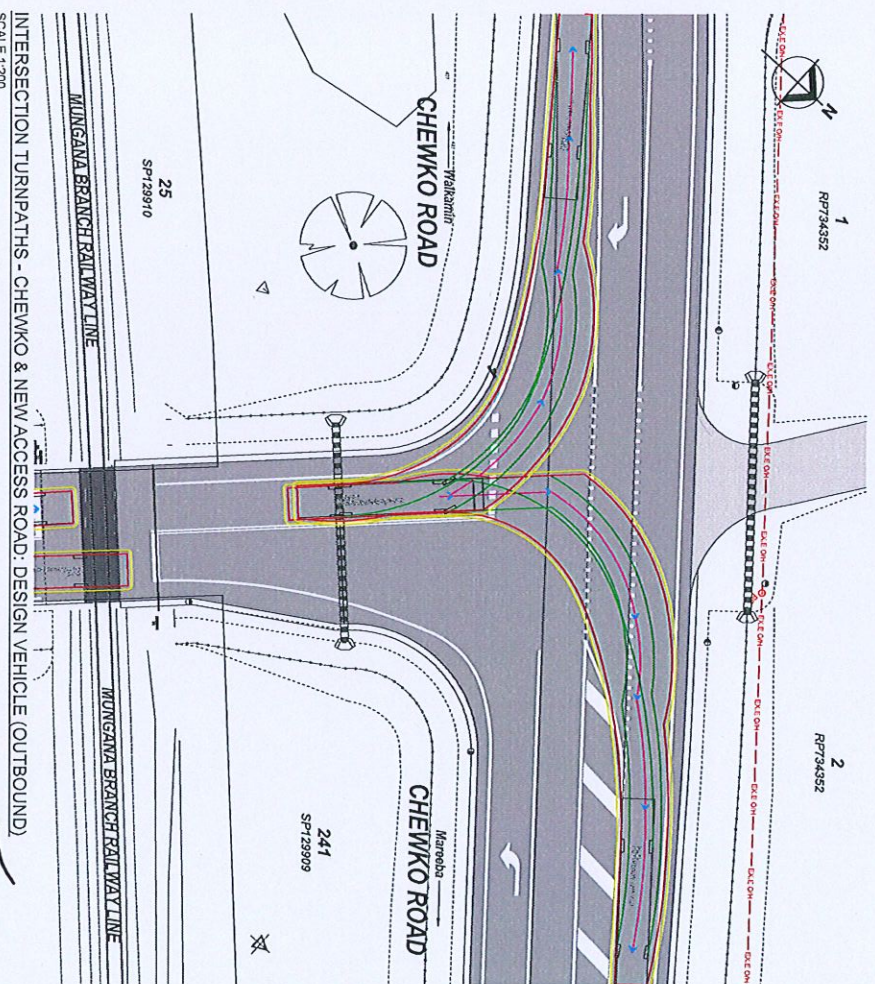
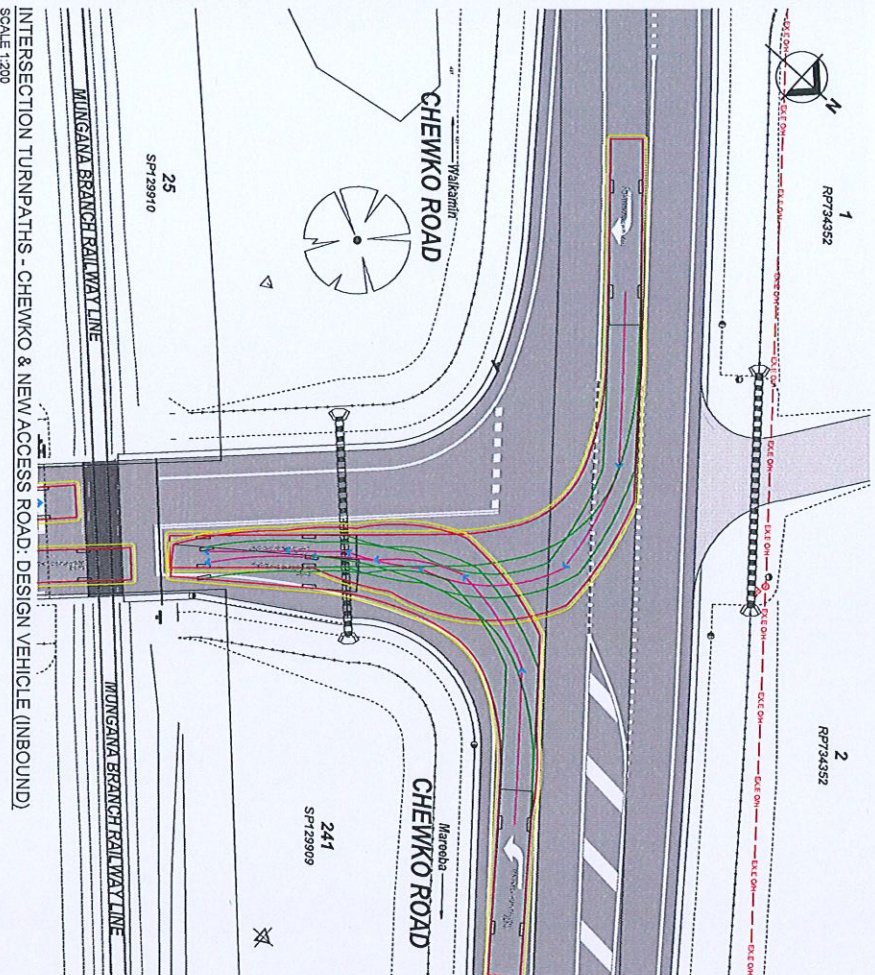
1. SUBGRADE TREATMENT WHERE CBR  $< 3$  (PROVISIONAL), FOR THE FOLLOWING WORKS, CO  
OF THE EXCAVATION OF THE EXISTING SUBGRADE MATERIAL, TO BE PLACED RECOMPACTED - FOR RE-USE EXISTING A 0.4m LAYER OF SHOT ROD WRAPPED IN A SUITABLE GEOTEXTIL MEMBRANE.
- 2.

**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
TYPICAL CONSTRUCTION DETAILS**

**FOR APPROVAL**  
DRAWING NUMBER  
LU23112-1-CD-7

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DESIGN VEHICLE - 14.5m LONG RIGID BUS  
N.T.S.

Revised	Drawn	Checked	Approved	Date
A	100% DESIGN ISSUE - FOR APPROVAL (J.L.A.)	J.L.A.	13/05/2025	

LECTER DESIGN & BUILD  
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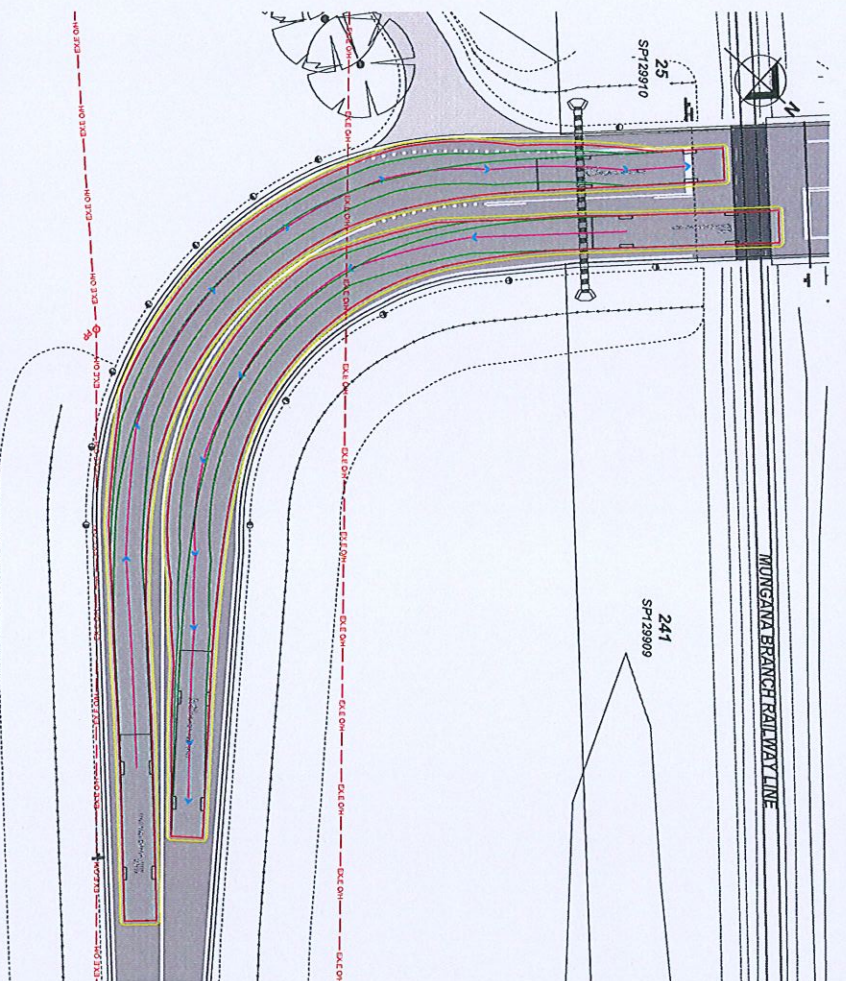
**Lektor Urban.**  
Lektor Urban is a registered company in South Africa.  
Lektor Urban is a registered company in South Africa.  
Lektor Urban is a registered company in South Africa.

Design	Check
A.P.B.	J.L.A.
Submitted	DATE
J.L.A.	13/05/2025

TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
VEHICLE TURN MOVEMENT LAYOUT PLAN - SHEET 1 OF 2  
CHEWKO ROAD & 287 MOVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL  
FOR APPROVAL  
DRAWING NUMBER: LU23112-1-CD-800  
REV: A

*Handwritten signature and date:*  
21/8/2025





INTERSECTION TURNPATHS - NEW ACCESS ROAD: DESIGN VEHICLE (INBOUND)  
SCALE 1:200

DESIGN VEHICLE - 14.5m LONG RIGID BUS  
N.T.S.

Revised	Amendments	Approved	Date
A	100% DESIGN ISSUE - FOR APPROVAL (COPY)	J.L.A	13/05/2025

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GRAPHIC APPROVAL: JIMMY SHIMON, AIA  
PROJECT MANAGER: JIMMY SHIMON, AIA

**Lekker Urban.**

Original: A.P.B  
Approved: J.L.A  
Date: 13/05/2025

SCALE 1:200 @ A1  
0 4 8 12 16 20 m

TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - EXTERNAL CIVIL WORKS  
VEHICLE TURN MOVEMENT LAYOUT PLAN - SHEET 2 OF 2  
CHEWKO ROAD & 287 MOVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL  
FOR APPROVAL  
DRAWING NUMBER: LU23112-1-CD-801  
REV: A

B. Will  
21/8/2025



# CIVIL ENGINEERING DRAWING LIST

[illegible]

B. M. [Signature]  
21/8/2025

[illegible]









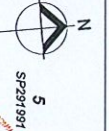












5  
SP231991

CHEWKO ROAD

MUNGAMA BRANCH RAILWAY LINE

241  
SP123909

EXISTING GULLY

EXISTING GULLY

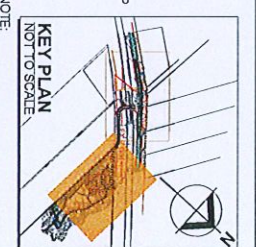
EXISTING GULLY

EXISTING GULLY

LIMIT OF WORKS  
(INTERNAL)

T1  
SP232140

- LEGEND:**
- EXISTING CONTOURS (5m INTERVAL)
  - LEVEL
  - EXISTING LEVEL
  - PROPOSED EXTENT OF VEGETATION TO BE REMOVED FOR CIVIL WORKS
  - PROPOSED AREA TO BE UNDER SCOURED WITH LARGE TREES TO BE REMOVED
  - PROPOSED TREE TO BE REMOVED
  - PROPOSED TREE TO BE REMOVED



**NOTE:**

1. TOPOGRAHY SURVEY HAS BEEN UNDERTAKEN BY BUREAU OF LAND MANAGEMENT (BLM) AND IS AVAILABLE FOR THE CLIENT TO VIEW.
2. CLIENTS ARE ADVISED THAT THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.
3. THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.
4. THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.
5. THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.
6. THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.
7. THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.
8. THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.
9. THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.
10. THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.

1  
RPT0284

**WARNING:** THE LOCATION OF EXISTING TELECOMMUNICATIONS & ELECTRICAL INFRASTRUCTURE IS NOT SHOWN ON THIS PLAN. CLIENTS ARE ADVISED THAT THE PROPOSED WORKS ARE SUBJECT TO THE REQUIREMENTS OF THE ENVIRONMENTAL IMPACT STATEMENT (EIS) AND THE ENVIRONMENTAL IMPACT STATEMENT (EIS) IS AVAILABLE FOR THE CLIENT TO VIEW.

SCALE 1:500@A1

0 10 20 30 40 50 m

**Lekker Urban.**

Designed  
APB  
Checked  
JLA  
Date  
23/04/2025

**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - INTERNAL CIVIL WORKS  
CLEARING & DEMOLITION LAYOUT PLAN**

CHEWKO ROAD & 267 MCIVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL.

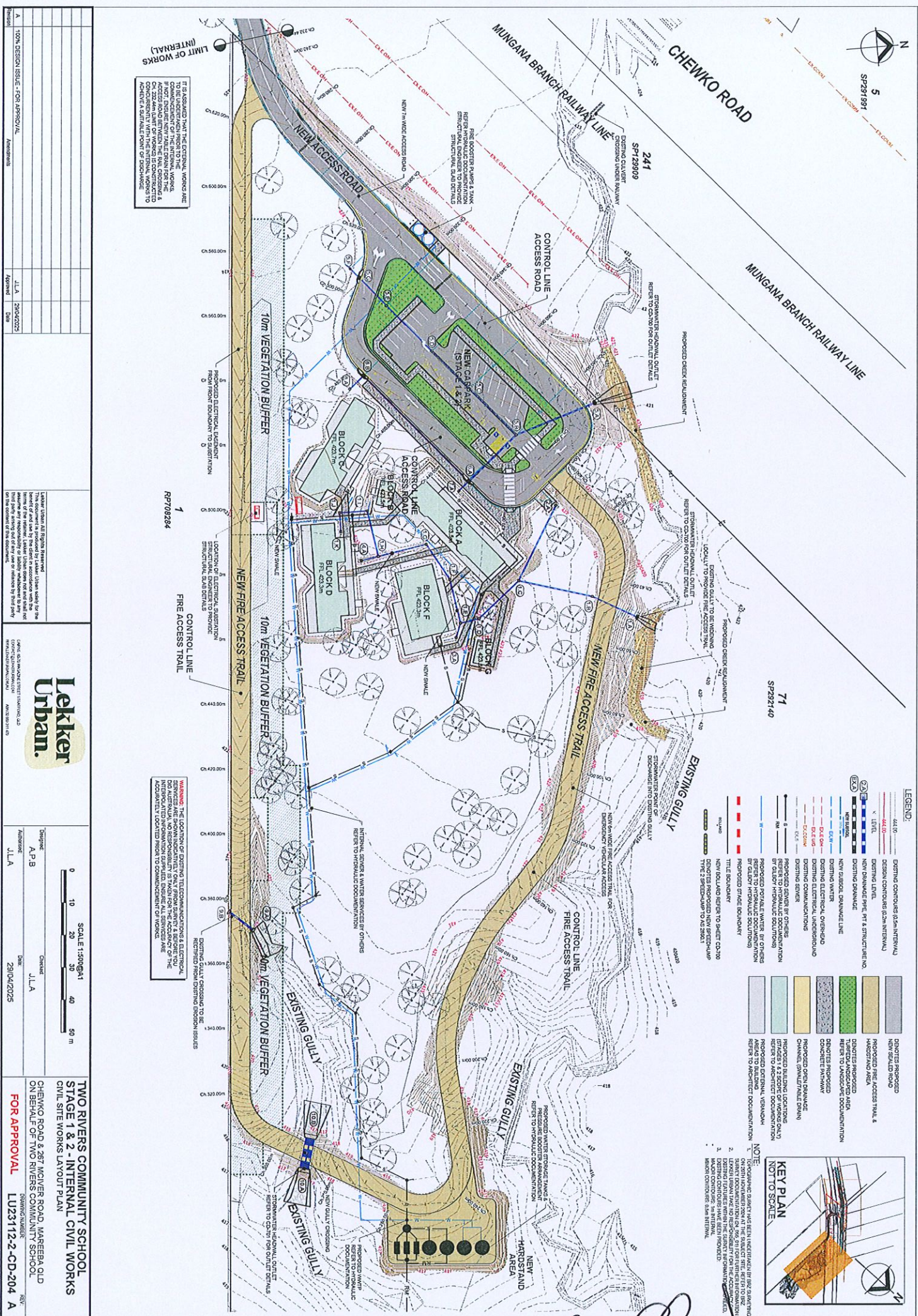
**FOR APPROVAL** LU23112-2-CD-202 A

REVISION	DESCRIPTION	DATE	BY	APP
A	100% DESIGN ISSUE - FOR APPROVAL	23/04/2025	JLA	23/04/2025







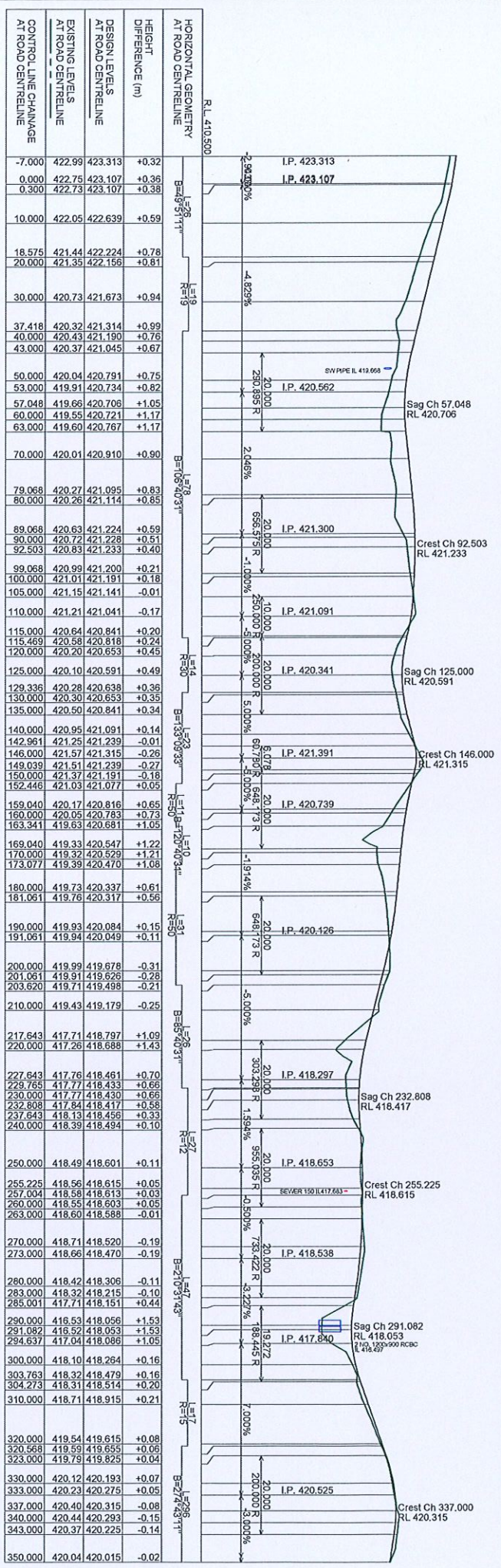


B. nll  
21/8/2025

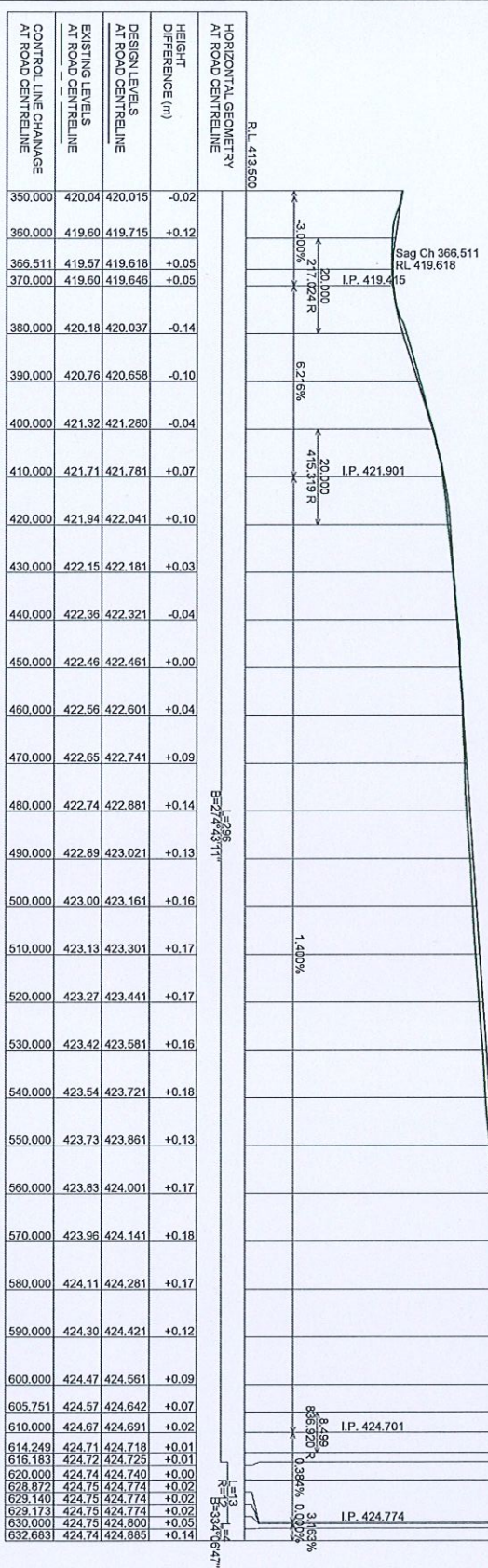








LONGITUDINAL SECTION - FIRE TRAIL (CENTRELINE) - Ch 0m to Ch 353m  
SCALE H: 1:500 V: 1:100



LONGITUDINAL SECTION - FIRE TRAIL (CENTRELINE) - Ch 353m to Ch 632.683m  
SCALE H: 1:500 V: 1:100

**100% DESIGN ISSUE - FOR APPROVAL**

Author: J.L.A. 29/04/2025

Approved: J.L.A. 29/04/2025

DATE: 29/04/2025

DESIGNED BY: J.L.A.

CHECKED BY: J.L.A.

FOR APPROVAL: LUT3112-2-CD-301 A

**Lekker Urban.**

0 10 20 30 40 50 m

SCALE 1:500@A1

STAGE 1 & 2 - INTERNAL CIVIL WORKS

ROAD LONGITUDINAL SECTIONS

FIRE ACCESS TRAIL

CHEWMO ROAD & 287 MOVER ROAD, WAREEBA QLD

ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

21/8/2025

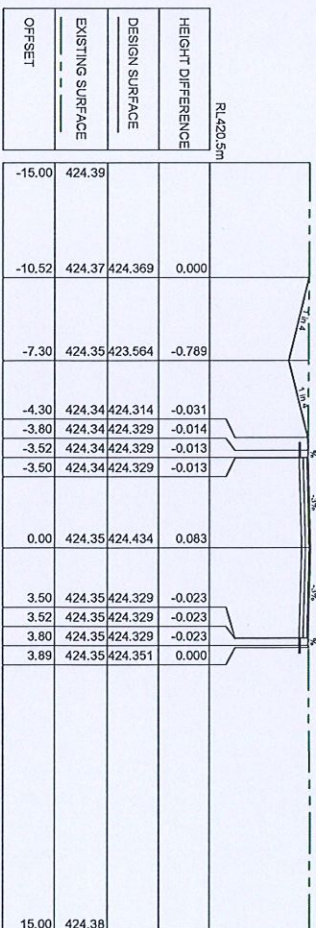
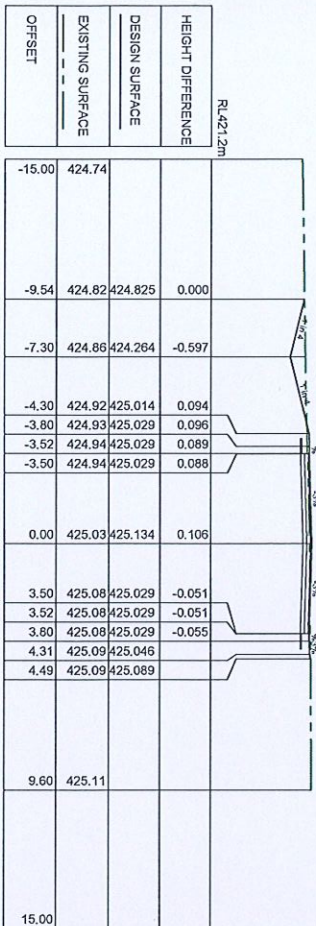
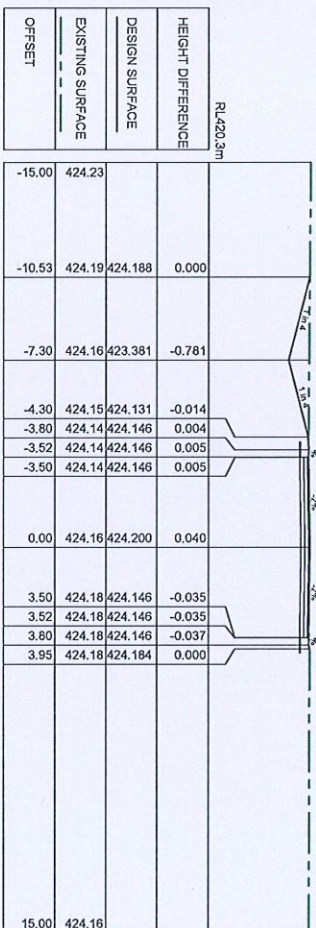
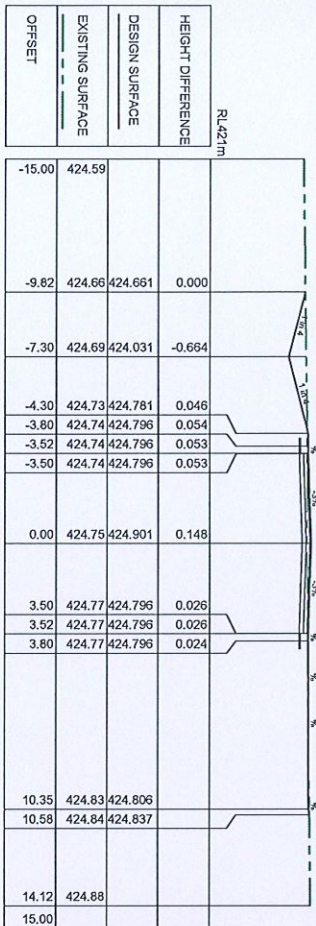
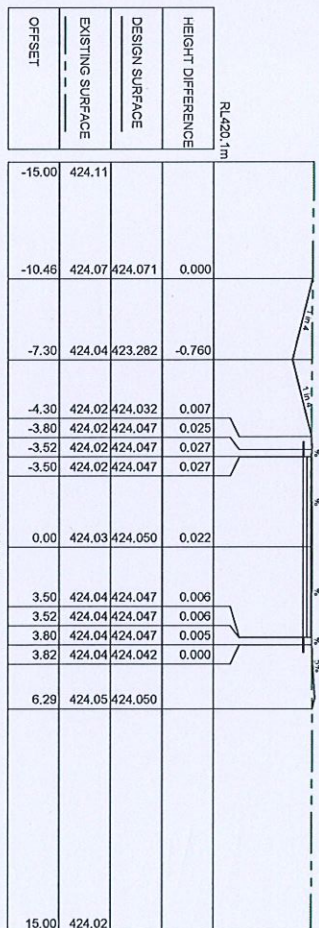
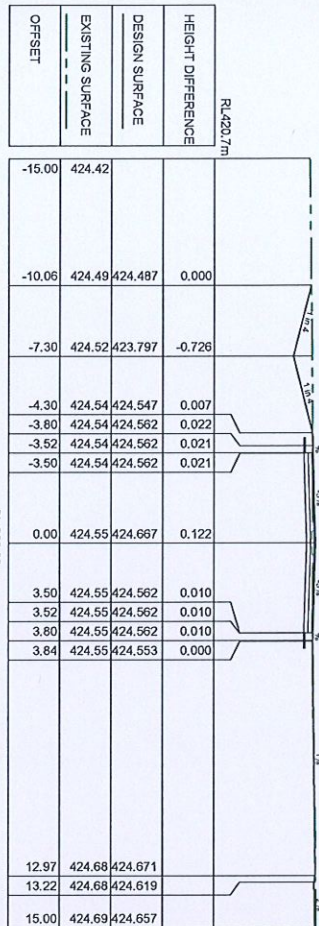












10% DESIGN ISSUE - FOR APPROVAL

Author: J.L.A. 29/04/2025

Approved: J.L.A. 29/04/2025

Drawn: J.L.A. 29/04/2025

Check: J.L.A. 29/04/2025

Scale: 1:100 @ 41

Sheet: J.L.A. 29/04/2025

Project: TWO RIVERS COMMUNITY SCHOOL STAGE 1 & 2 - INTERNAL CIVIL WORKS

Access Road - Sheet 1 of 4

Chemmo Road & 287 McIVER ROAD, MAREEBA QLD

ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

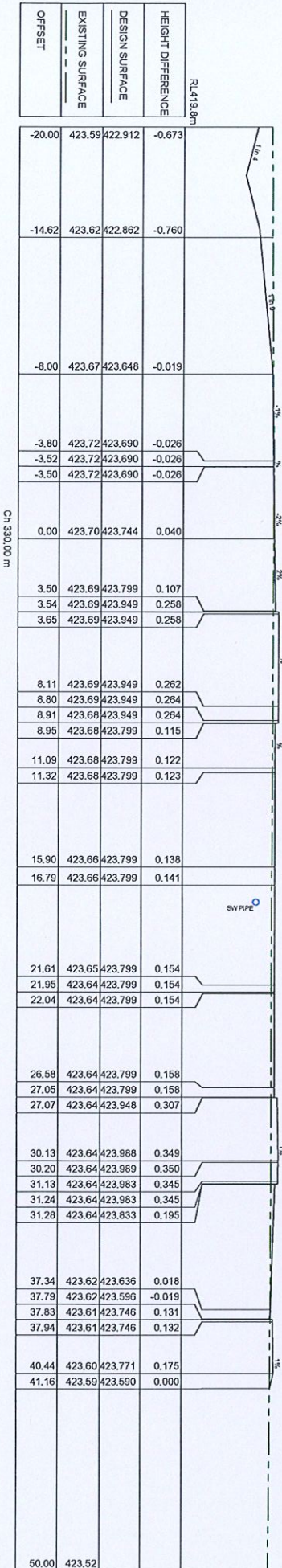
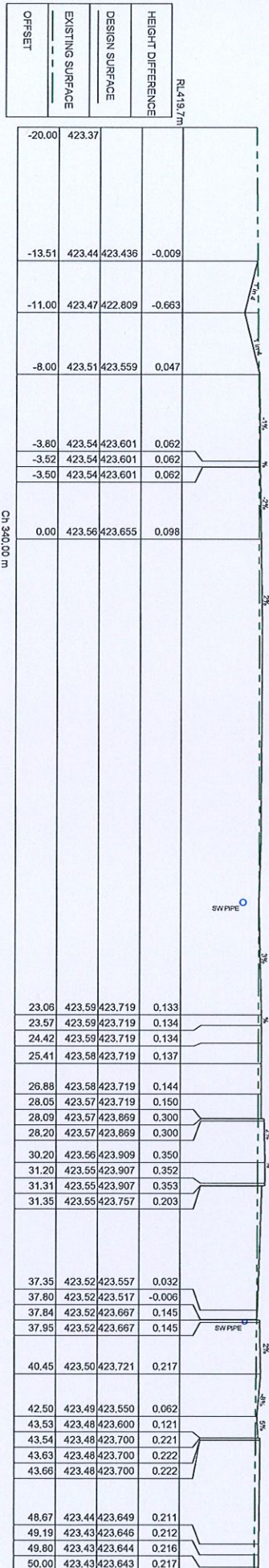
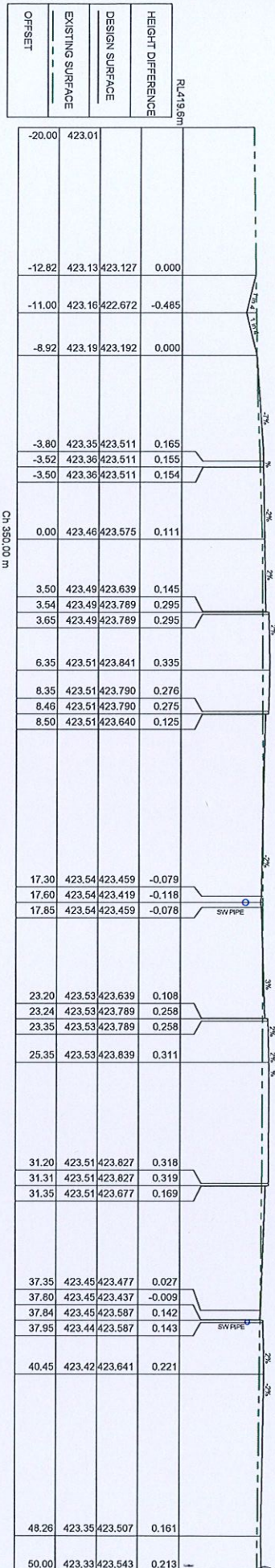
FOR APPROVAL LU23112-2-CD-401 A

B. M. Q. 21/8/2025









**10% DESIGN ISSUE - FOR APPROVAL**

Author: J.L.A. Date: 29/04/2025

Approved: J.L.A. Date: 29/04/2025

Drawn: J.L.A. Date: 29/04/2025

Checked: J.L.A. Date: 29/04/2025

For Approval: LU23112-2-CD-403 A

**Lekker Urban.**

LANDSCAPE ARCHITECTS

100% DESIGN ISSUE - FOR APPROVAL

Author: J.L.A. Date: 29/04/2025

Approved: J.L.A. Date: 29/04/2025

Drawn: J.L.A. Date: 29/04/2025

Checked: J.L.A. Date: 29/04/2025

For Approval: LU23112-2-CD-403 A

**TWO RIVERS COMMUNITY SCHOOL**

**STAGE 1 & 2 - INTERNAL CIVIL WORKS**

**ROAD CROSS SECTIONS**

**ACCESS ROAD - SHEET 3 OF 4**

**CHEWKO ROAD & 287 MCIVER ROAD, MAREEBA QLD**

**ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL**

**Lekker Urban.**

LANDSCAPE ARCHITECTS

100% DESIGN ISSUE - FOR APPROVAL

Author: J.L.A. Date: 29/04/2025

Approved: J.L.A. Date: 29/04/2025

Drawn: J.L.A. Date: 29/04/2025

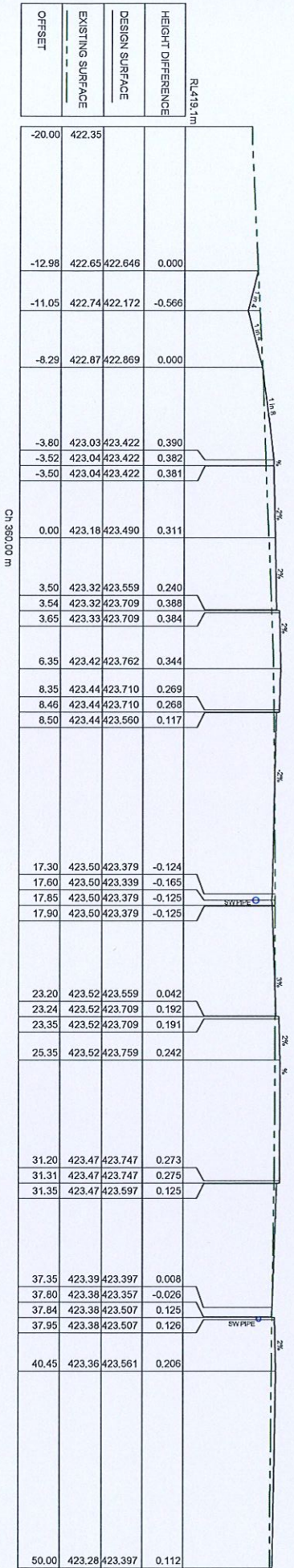
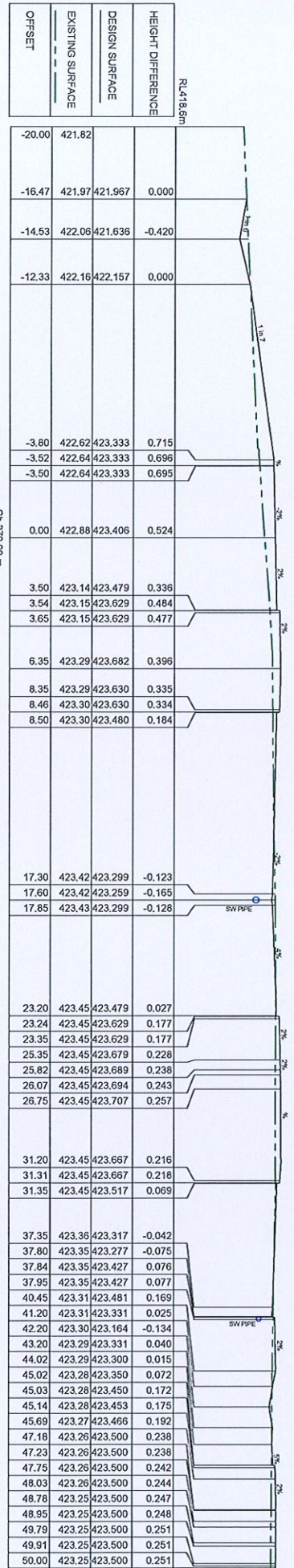
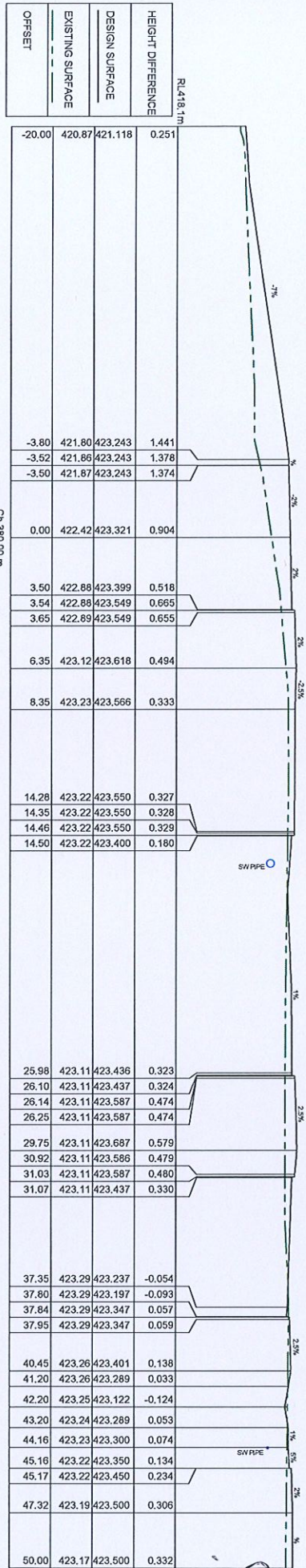
Checked: J.L.A. Date: 29/04/2025

For Approval: LU23112-2-CD-403 A

B.2.2.2

21/8/2025





100% DESIGN ISSUE - FOR APPROVAL

Revision: 1

Approved: J.L.A. 29/04/2025

DATE: 29/04/2025

TIME: 10:30 AM

LOCATION: TWO RIVERS COMMUNITY SCHOOL

0 2 4 6 8 10 m

SCALE 1:100 @ A1

Original: J.L.A.

Revised: J.L.A.

DATE: 29/04/2025

**TWO RIVERS COMMUNITY SCHOOL**

**STAGE 1 & 2 - INTERNAL CIVIL WORKS**

**ROAD CROSS SECTIONS**

**ACCESS ROAD - SHEET 4 OF 4**

**ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL**

**FOR APPROVAL LU23112-2-CD-404 A**

B.2.2.2

21/8/2025

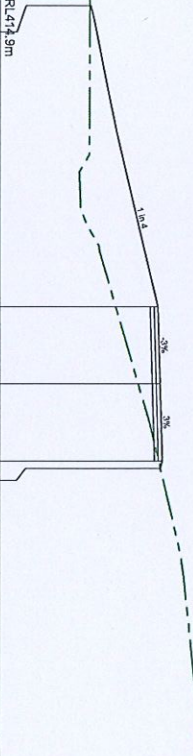


-15.00	419.82	419.129
-14.53	419.81	418.892
-14.02	419.80	418.642
-13.57	419.73	418.643
-13.12	419.61	418.643
-12.62	419.49	418.893
-11.37	419.21	419.209
-3.00	418.99	420.631
0.00	419.55	420.721
3.00	420.49	420.811
3.76	420.62	420.620
15.00	422.15	

-15.00	419.63			RL 418.6m
-12.30	419.71	419.734		
-6.86	419.81	419.813	0.000	
-3.00	419.98	421.100	1.125	
0.00	420.43	421.190	0.756	
3.00	420.67	421.280	0.605	
4.83	420.82	420.822	0.000	
15.00	421.63			

-15.00	420.43		0.000	
-6.18	421.27	421.271	0.000	
-3.00	421.34	422.066	0.727	
0.00	421.35	422.156	0.809	
3.00	421.32	422.246	0.927	
6.40	421.40	421.396	0.000	
15.00	421.73			

-15.00	418.79			R=415.7m
-5.83	420.16	420.159	0.000	
-3.00	420.55	421.101	0.546	1.3
0.00	421.01	421.191	0.178	2.5
3.00	421.51	421.281	-0.225	2.5
5.22	421.84	421.837	0.000	1.4
15.00	422.56			

-15.00	418.36			R=4174.9m	
-14.72	418.36	418.397			
-3.00	419.38	421.024	1.647		
0.00	420.26	421.114	0.852		
3.00	421.06	421.204	0.142		
3.29	421.13	421.131	0.000		
15.00	422.71				

B. n. [Signature]  
21/8/2025

[illegible]

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**Lekker  
Urban.**

CARLOS BOYD, 100 MONTE STREET, STAMFORD, CT 06907  
CARLOS@LAKEDRIVEPRODUCTIONS.COM  
WWW.LAKEDRIVEPRODUCTIONS.COM

APRIL 2006 \$19.95

0 2 4 6 8 10 m

SCALE 1:100@A1

Thyagaraj A.P.B. J.L.A.

DATE 29/04/2025

**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - INTERNAL CIVIL WORKS  
ROAD CROSS SECTIONS  
FIRE ACCESS TRAIL - SHEET 1 OF 6  
CHEMUNO ROAD & 287 MONVER ROAD, MAREEBA, QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL**

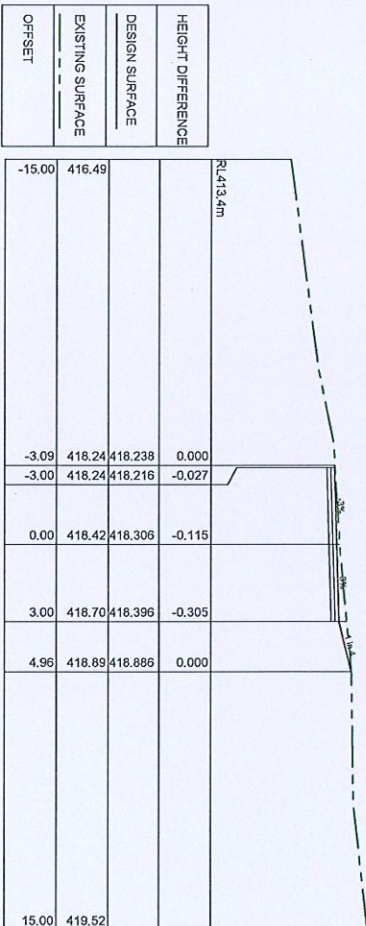
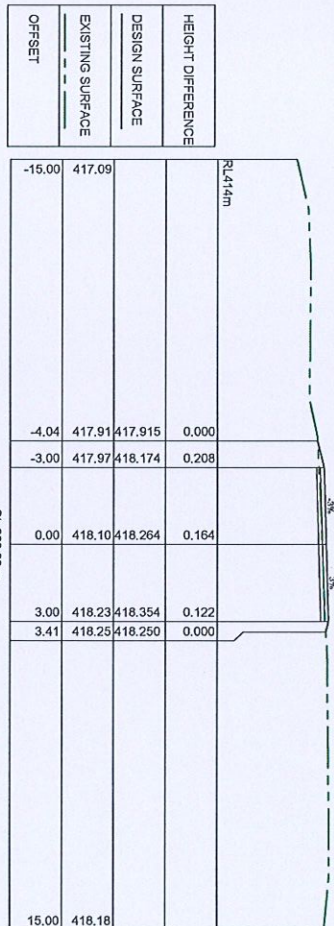
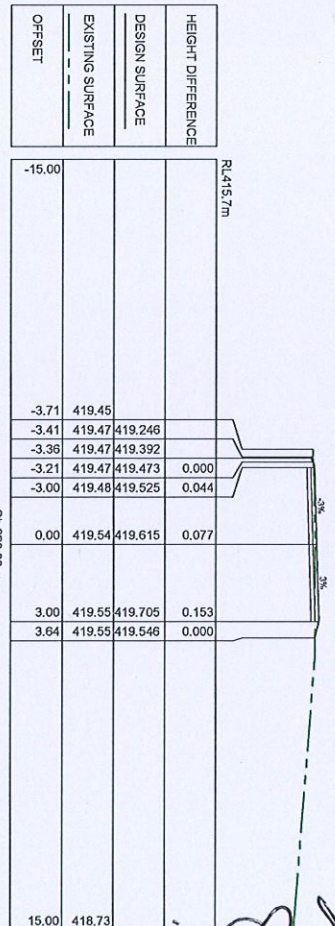
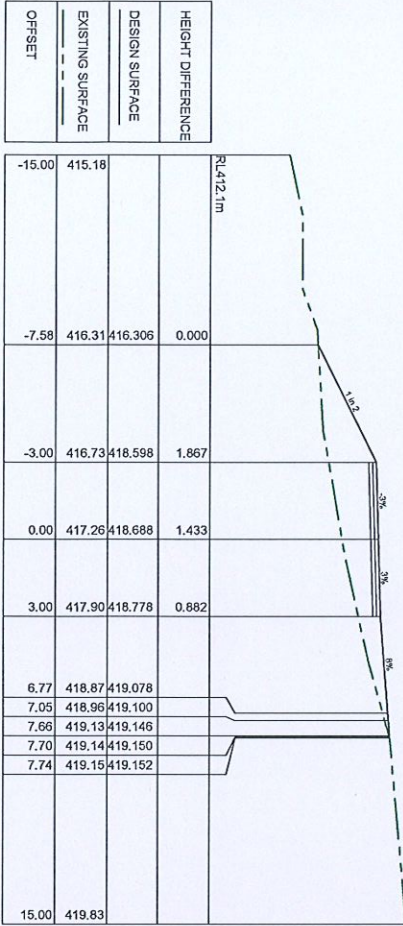
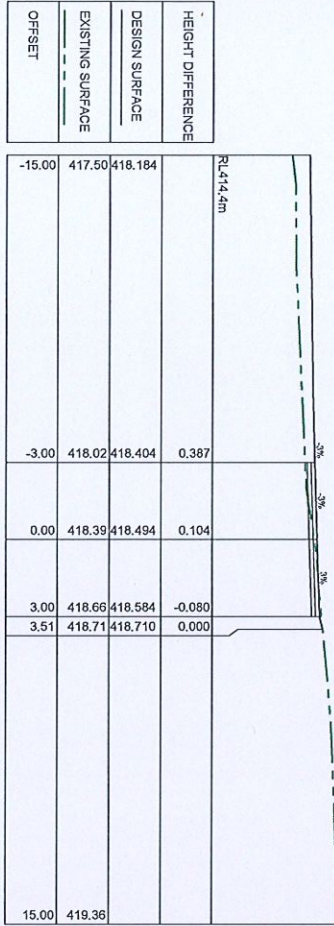
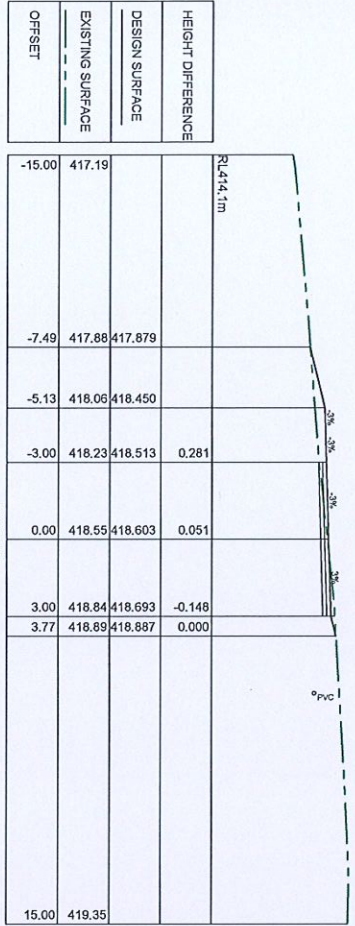
DESIGNED BY: **ALTY**

**FOR APPROVAL**      **LU23112-2-CD-405 A**

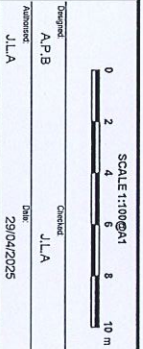








A. 100% DESIGN ISSUE - FOR APPROVAL	
Author	Approved
J.L.A.	29/04/2025
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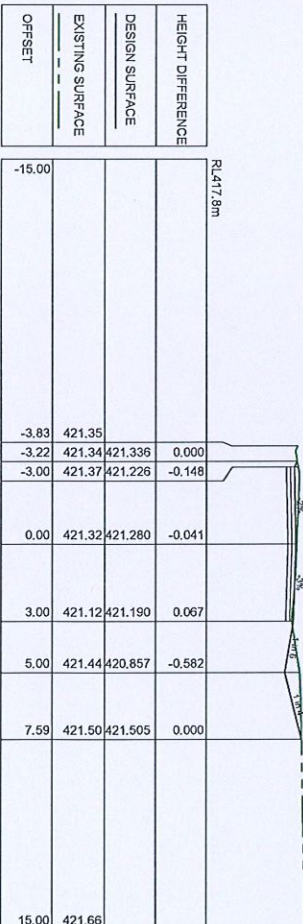
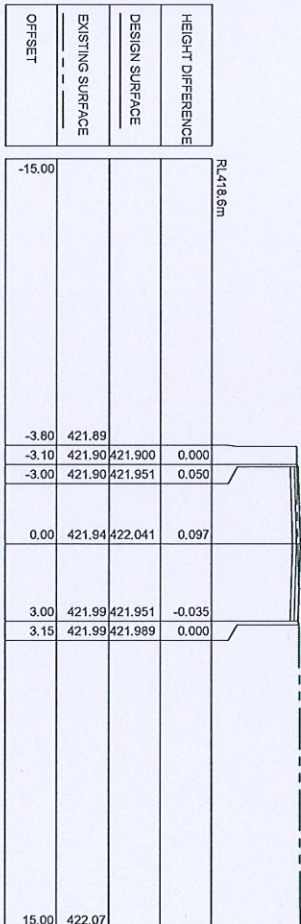
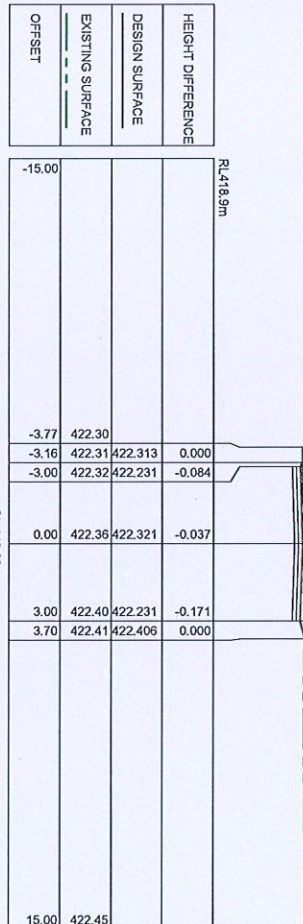
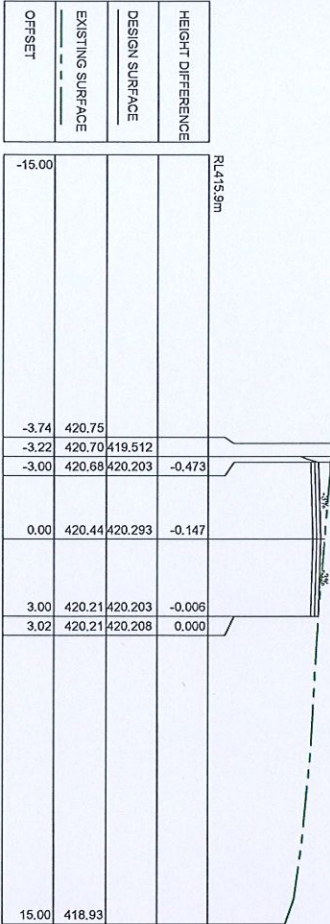
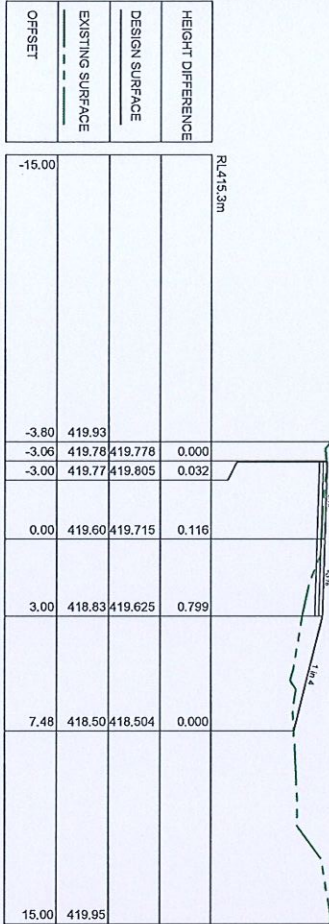
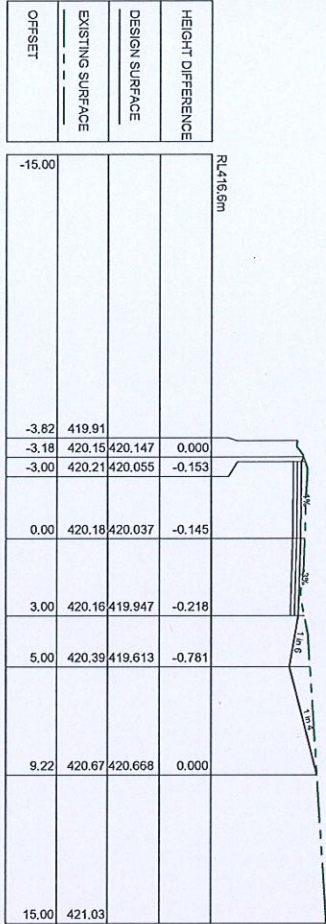


TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - INTERNAL CIVIL WORKS  
ROAD CROSS SECTIONS  
FIRE ACCESS TRAIL - SHEET 3 OF 6  
CHEWKO ROAD & 287 MIVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

FOR APPROVAL LU23112-2-CD-407 A

21/8/2025





100% DESIGN ISSUE - FOR APPROVAL			
Author	Approved	Date	
J.L.A.	29/04/2025		

**Lekker Urban.**

GRAPHIC COMMUNICATION  
ARCHITECTURE & INTERIOR DESIGN  
484 96 96 11 10

SCALE 1:100 @ A1

0 2 4 6 8 10 m

Original  
A.P.B.  
J.L.A.

29/04/2025

**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - INTERNAL CIVIL WORKS  
ROAD CROSS SECTIONS  
FIRE ACCESS TRAIL - SHEET 4 OF 6  
CHEWMO ROAD & 267 MOVER ROAD, MAREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL**

**FOR APPROVAL** LUT23112-2-CD-408 A

B.2.00  
21/8/2025





















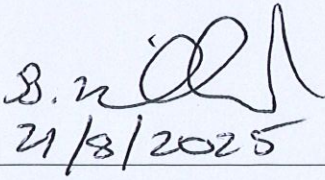












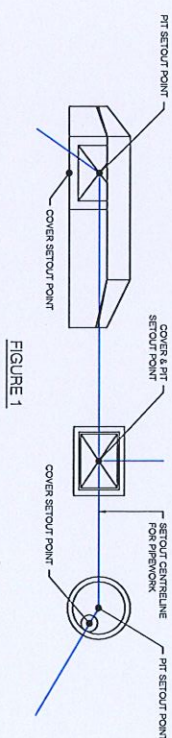







## DRAINAGE PIT SCHEDULE

Pit No.	Pit Type	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Easting	Northing	Comment
1A	HORIZONTAL (OUTLET)	375	-	375	418.137	0.879	418.818	309064.16	417298.016	309064.16	417298.016	REFER TO HORIZONTAL STANDARD DRAWING, "CONCRETE PIPE, HORIZONTAL, WINDWARDS AND UPWIND SLOPE FOR FURNISHING, APPROX. LENGTH TO BE 500'. PROVIDE 600MM (24") LAYER OF GRAVEL UNDER DOWNHILL TO PREVENT SCOUR. (SLOPE TOTAL AT 1% SLOPE)
1B	FIELD INLET PIT (GRAVITY)	600	900	375	418.841	0.012	422.850	309050.72	417350.881	309050.72	417350.881	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1C	FIELD INLET PIT (GRAVITY)	600	900	300	421.200	300	421.200	309050.71	417350.864	309050.71	417350.864	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1D	FIELD INLET PIT (GRAVITY)	600	900	300	421.885	300	421.885	1.155	423.040	309060.64	417350.469	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1E	FIELD INLET PIT (GRAVITY)	600	900	300	421.844	300	421.844	0.496	422.800	309051.27	417344.818	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1F	FIELD INLET PIT (GRAVITY)	600	900	300	422.014	300	422.044	0.866	423.000	309067.77	417351.255	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1G	FIELD INLET PIT (GRAVITY)	600	900	300	422.139	0.012	423.201	309060.36	417350.804	309060.36	417350.804	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1H	FIELD INLET PIT (GRAVITY)	600	900	300	422.216	205	422.346	0.644	422.800	309030.87	417339.146	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1I	FIELD INLET PIT (GRAVITY)	600	900	225	422.213	225	422.346	0.806	423.000	309050.40	417328.800	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1J	FIELD INLET PIT (GRAVITY)	600	900	225	422.381	225	422.421	0.699	423.000	309050.42	417328.817	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
1K	FIELD INLET PIT (GRAVITY)	600	900	225	422.460	0.692	423.100	309030.32	417328.119	309030.32	417328.119	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
2A	FIELD INLET PIT (GRAVITY)	600	900	300	421.400	0.170	422.100	309027.71	417348.421	309027.71	417348.421	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
3A	FIELD INLET PIT (GRAVITY)	600	900	150	422.400	0.800	423.000	309050.82	417313.908	309050.82	417313.908	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
4A	FIELD INLET PIT (GRAVITY)	600	900	225	422.213	0.829	422.802	309030.78	417328.178	309030.78	417328.178	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
5A	HORIZONTAL (OUTLET)	375	-	375	421.158	0.873	422.311	309057.17	417328.119	309057.17	417328.119	REFER TO HORIZONTAL STANDARD DRAWING, "CONCRETE PIPE, HORIZONTAL, WINDWARDS AND UPWIND SLOPE FOR FURNISHING, APPROX. LENGTH TO BE 500'. PROVIDE 600MM (24") LAYER OF GRAVEL UNDER DOWNHILL TO PREVENT SCOUR. (SLOPE TOTAL AT 1% SLOPE)
5B	FIELD INLET PIT (GRAVITY)	600	900	375	422.078	375	422.108	1.121	422.100	309050.69	417338.371	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
5C				375	422.208							NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
5D	FIELD INLET PIT (GRAVITY)	600	900	375	422.310	375	422.340	1.037	422.346	309058.06	417332.340	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
5E	FIELD INLET PIT (GRAVITY)	600	900	375	422.334	375	422.364	1.067	422.371	309071.80	417332.788	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
5F	FIELD INLET PIT (GRAVITY)	600	900	375	422.373	375	422.403	309061.40	417336.812	309061.40	417336.812	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
5G	FIELD INLET PIT (GRAVITY)	600	900	375	422.394	300	422.424	1.017	423.000	309062.25	417328.112	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP RINGS REQUIRED
5H	FIELD INLET PIT (GRAVITY)	600	900	300	422.400	300	422.400	0.847	422.810	309049.57	417328.266	NEW DRAINAGE OR APPROVED DRAIN, IN-SPECIFIC TO PREVENTER AT PROVIDE CLASID 8 (PREPARED) DRAIN, NO STEP R



B. n.   
21/8/2025

SCALE 1:500 @ A1

**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - INTERNAL CIVIL WORKS**

Designed:	Checked:
A.P.B	J.L.A
Authorised:	Date:
J.L.A	29/04/2025

HEMKO ROAD & 267 MCIVER ROAD, MAREEBA OLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL

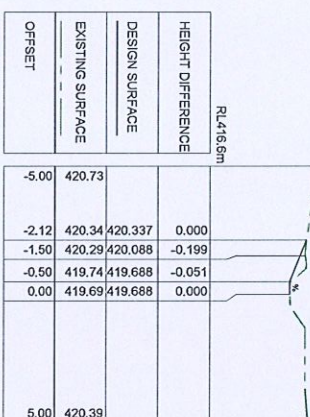
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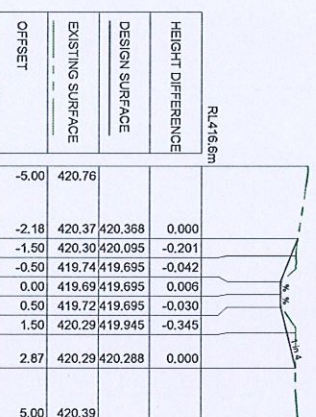
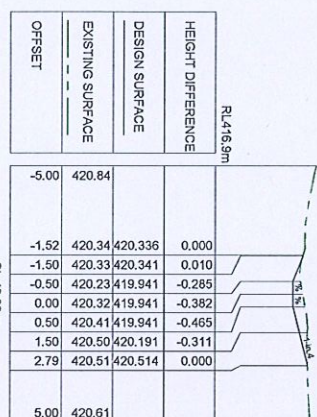
**FOR APPROVAL**



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-0.50	420.66	420.188	-0.474
0.00	420.67	420.188	-0.487
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1.50	420.65	420.438	-0.213
2.12	420.59	420.594	0.000
5.00	420.59		



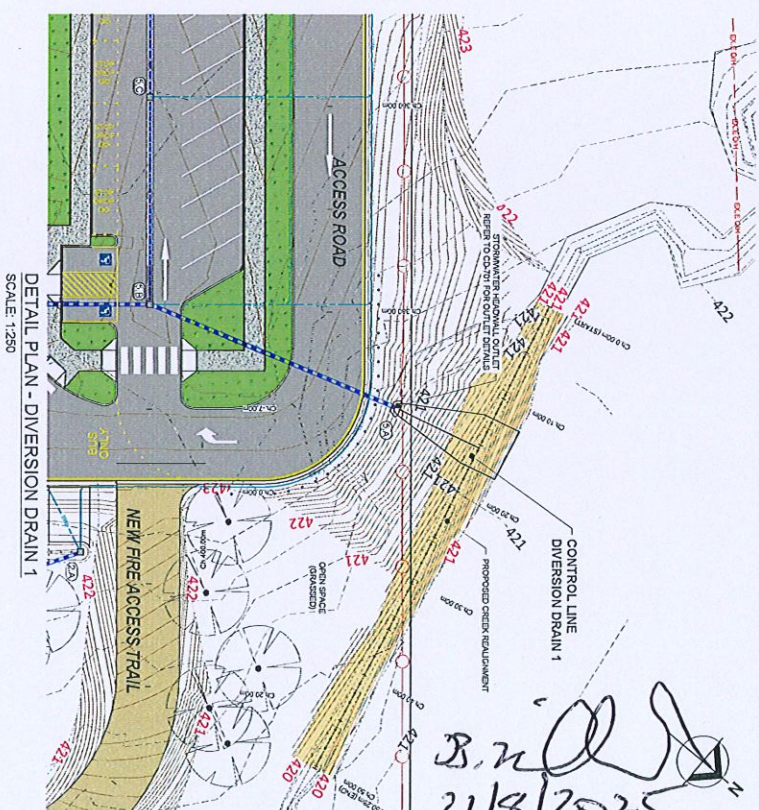
OFFSET	EXISTING SURFACE	DESIGN SURFACE	HEIGHT DIFFERENCE
			RL417.4m
-5.00	421.32		
-2.60	421.27	421.273	0.000
-1.50	421.23	420.834	-0.393
-0.50	421.14	420.434	-0.703
0.00	421.16	420.434	-0.731
0.50	421.20	420.434	-0.761
1.50	421.12	420.684	-0.441
5.00	420.75	421.534	

[illegible]CL DIVERSION DRAIN ↑GL DIVERSION DRAIN

L=413.600					
HORIZONTAL GEOMETRY AT INVERT (CENTRELINE)					
			L=86 B=75.93'6"	L=1 R=20	L=14 B=77.6'03'48"
HEIGHT DIFFERENCE (m)					
<u>DESIGN LEVELS AT INVERT (CENTRELINE)</u>	420.927				
<u>EXISTING LEVELS AT INVERT (CENTRELINE)</u>	420.93				
CONTROL LINE CHAINAGE AT INVERT (CENTRELINE)	0.000	421.21	420.681	420.557	420.434
	5.000	421.74	-	-0.88	-0.73
	10.000				
	15.000	421.44	-	-0.57	-0.49
	20.000	421.16	420.188	-	-0.38
	25.000	420.88	420.064	-0.41	-0.40
	30.000	420.67	420.047	-0.40	-0.38
	35.000	420.47	420.028	-0.38	-0.38
	35.696	420.45	419.941	-0.38	-0.38
	36.480	420.41	419.818	-0.54	-0.54
	40.000	420.32	419.695	+0.00	+0.00
	45.000	420.36	419.688	+0.00	+0.00
	50.000	419.69			
	50.282	419.69			

LONGITUDINAL SECTION - DIVERSION DRAIN 1 (CENTRELINE) - Ch 0.0m to Ch 50.282cm

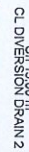
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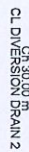
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21/8/2025



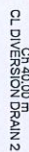
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-1.50	419.83	419.047	-0.782	
-0.50	419.80	418.647	-1.152	
0.00	419.73	418.647	-1.087	
0.50	419.61	418.647	-0.959	
1.50	419.35	418.897	-0.452	
2.60	419.17	419.172	0.000	
5.00	418.99	419.610		



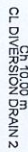
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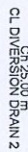
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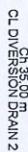
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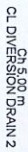
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EXISTING SURFACE	
OFFSET	



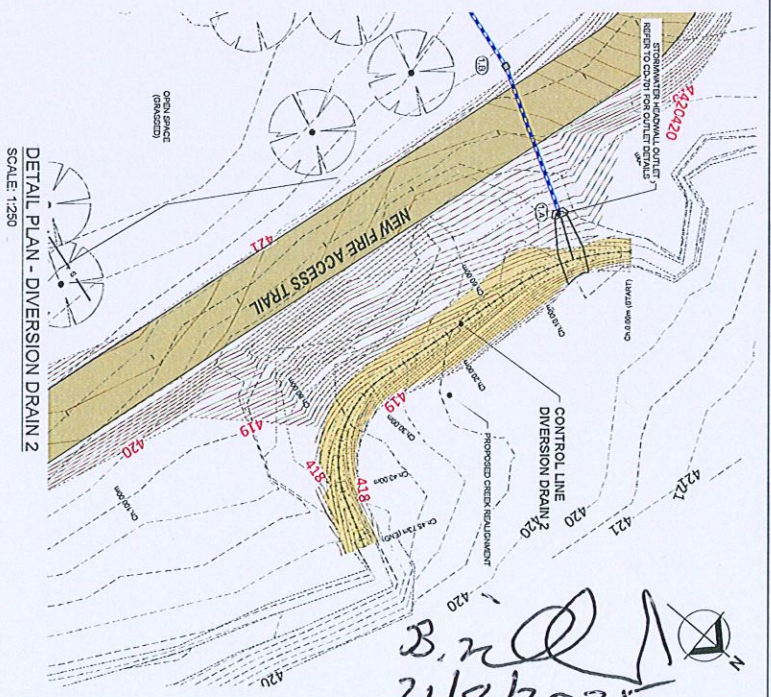
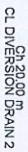
HEIGHT DIFFERENCE
DESIGN SURFACE
EXISTING SURFACE
OFFSET



KL418
HEIGHT DIFFERENCE
DESIGN SURFACE
EXISTING SURFACE
OFFSET

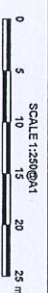


HEIGHT DIFFERENCE	DESIGN SURFACE	EXISTING SURFACE	OFFSET
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HORIZONTAL GEOMETRY AT INVERT (CENTRELINE)			
HEIGHT DIFFERENCE (m)	DESIGN LEVELS AT INVERT (CENTRELINE)	EXISTING LEVELS AT INVERT (CENTRELINE)	CONTROL LINE CHAINAGE AT INVERT (CENTRELINE)
+0.00	420.927	420.93	0.000
-0.41	420.804	421.21	5.000
-1.06	420.681	421.74	10.000
-0.88	420.557	421.44	15.000
-0.73	420.434	421.16	20.000
-0.57	420.311	420.88	25.000
-0.48	420.188	420.67	30.000
-0.41	420.064	420.47	35.000
-0.40	420.047	420.45	35.695
-0.38	420.028	420.41	36.480
-0.38	419.941	420.32	40.000
-0.54	419.818	420.36	45.000
+0.00	419.695	419.69	50.000
+0.00	419.688	419.68	50.282

**LONGITUDINAL SECTION - DIVERSION DRAIN 2 (CENTRELINE) - Ch 0.0m to Ch 50.282m**

[illegible]

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**Lekker  
Urban.**

Designator	Conc'd
A.P.B	J.L.A
Author's	Date
J.L.A	29/04/2025

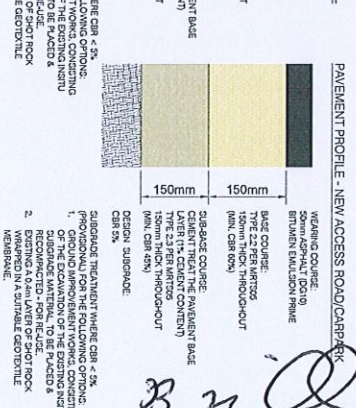
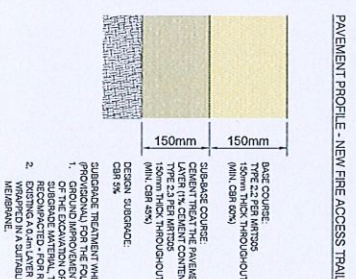
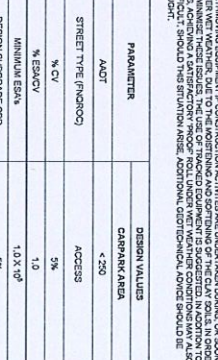
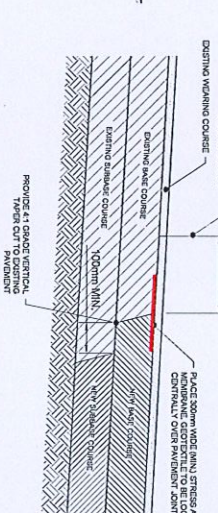
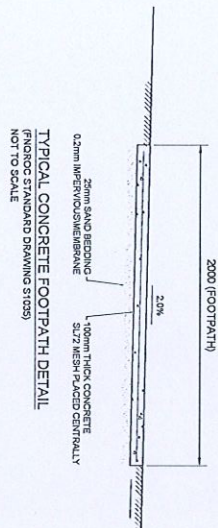
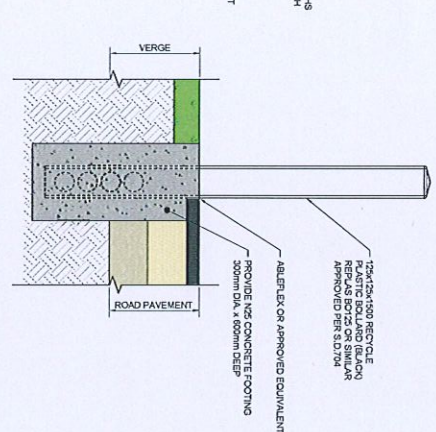
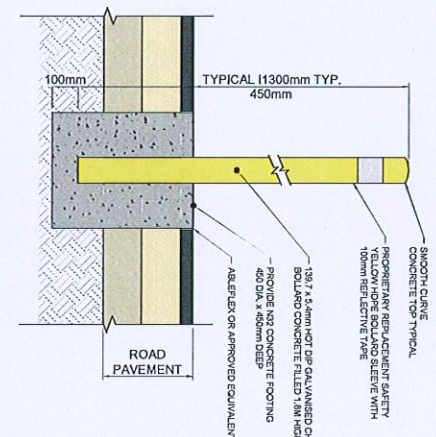
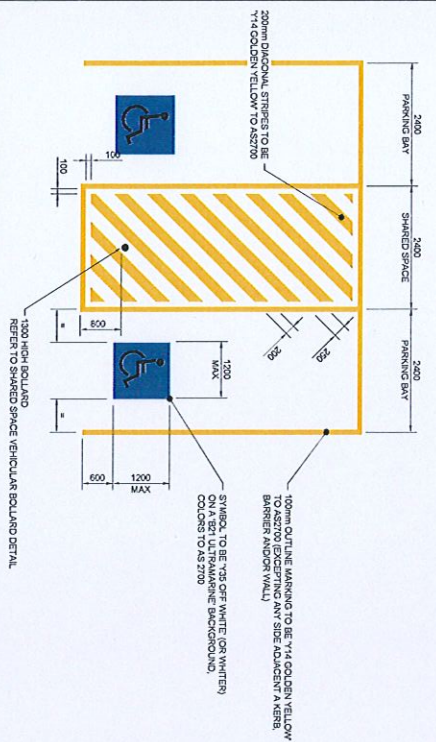
**TWO RIVERS COMMUNITY SCHOOL  
STAGE 1 & 2 - INTERNAL CIVIL WORKS  
DETAIL LAYOUT PLAN & SECTIONS  
DIVISION DRAIN 2  
CHEMCO ROAD & 287 MCIVER ROAD, MARREEBA QLD  
ON BEHALF OF TWO RIVERS COMMUNITY SCHOOL.**

**FOR APPROVAL**

DRAWING NUMBER: **LU23112-2-CD-605 A**

REV:





PARAMETER	DESIGN VALUES	
	CARRIAGEWAY AREA	
ADOT	< 250	
STREET TYPE (FMQNO)	ACCESS	
% CV	5%	
% EBAYV	1.0	
MINIMUM EBAY	1.0 X 10 <sup>3</sup>	
DESIGN SURFACE CAR	5%	

[illegible]



