

Officer: Development Engineer - Justin  
Direct Telephone: 07 4189 9100  
Our Reference: OPW25/0015



15 October 2025

R & R Kratzmann  
C/- ATC Consulting Engineers  
PO Box 550  
KINGAROY QLD 4610

**South Burnett Regional Council**  
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Dear Sir/Madam

## Decision Notice

### *Planning Act 2016*

I refer to your application and advise that on 14 October 2025, Council's delegated authority decided to approve the application in full subject to conditions.

Details of the decision are as follows:

#### APPLICATION DETAILS

Application No: OPW25/0015  
Street Address: 592 Morgan Road WINDERA QLD 4605  
Real Property Description: Lot 202 on SP251979  
Planning Scheme: South Burnett Regional Council

#### DECISION DETAILS

Type of Decision: Approval  
Type of Approval: Development Permit for Operational Works (Roadworks)  
Date of Decision: 14 October 2025

#### CURRENCY PERIOD OF APPROVAL

The currency period for this development approval is 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

Not Applicable.

<b>ASSESSMENT MANAGER CONDITIONS</b>
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**ENG 1** Compliance with the plans and specifications submitted with Development Application OPW25/0015, approval conditions, all Council Planning Scheme Policies. *The approval is subject to construction being undertaken in accordance with the Approved Plans prepared by ATC Consulting Engineers and KN Group as listed below:*

<b>Drawing No./ Revision/Sheet No.</b>	<b>Drawing/Plan Title</b>	<b>Date</b>
	<b>ATC Consulting Engineers</b>	
C-100	GENERAL NOTES	09/07/2025
C-101	GENERAL PLAN-EXISTING	09/07/2025
C-102	GENERAL PLAN-PROPOSED	09/07/2025
C-103	TYPICAL SECTION AND DETAILS	09/07/2025
C-104	CONTROL LINE SETOUT DETAILS (1/2)	09/07/2025
C-105	CONTROL LINE SETOUT DETAILS (2/2)	09/07/2025
C-106	LONGITUDINAL SECTION - MC01A	09/07/2025
C-107	LONGITUDINAL SECTION - MC01	09/07/2025
C-108	LONGITUDINAL SECTION - MC02A	09/07/2025
C-109	LONGITUDINAL SECTION - MC02	09/07/2025
C-110	LONGITUDINAL SECTION - MC03A	09/07/2025
C-111	LONGITUDINAL SECTION - MC03	09/07/2025
C-112	CROSS SECTIONS – KRATZMANNS ROAD (1/2)	09/07/2025
C-113	CROSS SECTIONS – KRATZMANNS ROAD (2/2)	09/07/2025
C-114	CROSS SECTIONS – MURGON-GAYNDAH ROAD (1/4)	09/07/2025
C-115	CROSS SECTIONS – MURGON-GAYNDAH ROAD (2/4)	09/07/2025
C-116	CROSS SECTIONS – MURGON-GAYNDAH ROAD (3/4)	09/07/2025
C-117	CROSS SECTIONS – MURGON-GAYNDAH ROAD (4/4)	09/07/2025
C-120	VEHICLE TURN PATHS (1/2)	09/07/2025
C-121	VEHICLE TURN PATHS (2/2)	09/07/2025
C-122	LINEMARKING AND SIGNS	09/07/2025
	<b>KN GROUP PTY LTD</b>	

<b>Winderah Creek</b>		
19-184-01 A	Locality Plan, Drawing Index	4/9/19
19-184-02 A	Control Line Setout Plan	4/9/19
19-184-03 A	Layout Plan	4/9/19
19-184-04 A	Roadworks Longitudinal Section Control Line MC01	4/9/19
19-184-05 A	Roadworks Cross Section Control Line MC01	4/9/19
19-184-06 A	Road Widening Line Marking	4/9/19
19-184-07 A	Road Widening Sight Distance and Tree Clearing	4/9/19
19-184-08 A	Road Widening Turn Paths	4/9/19
19-184-09 A	Sediment and Erosion Control Plan	4/9/19
19-184-10 A	Sediment and Erosion Notes	4/9/19
19-184-11 A	Safety in Design	4/9/19
<b>Murgon-Gayndah Road/Kratzmanns Road intersection (Only Relevant Plans Included)</b>		
19-182-01 A	Locality Plan, Drawing Index	4/9/19
19-182-02 A	Control Line Setout Plan Sheet 1	4/9/19
19-182-04 A	General Arrangement Plan Sheet 1	4/9/19
19-182-06 A	Roadworks Longitudinal Section Control Line MC01 and MC02	4/9/19
19-182-08 A	Roadworks Cross Section Control Line Kratzmanns Rd	4/9/19
19-182-11 A	Intersection Linemarking and Signs Sheet 1	4/9/19
19-182-13 A	Pavement Layout Plan	4/9/19
19-182-14 A	Sediment and Erosion Control Plan	4/9/19
19-182-15 A	Sediment and Erosion Notes	4/9/19
19-182-16 A	Intersection Turn Paths Sheet 1	4/9/19
19-182-17 A	Intersection Turn Paths Sheet 2	4/9/19
19-182-17 A	Safety in Design	4/9/19

ENG 2 This approval extends to road works as detailed and is conditional upon a set of "Issued for Construction" drawings, amended if required by the conditions of this approval, being submitted to Council for endorsement, prior to pre-start meeting.

- ENG 3 Submit to Council for approval, an Inspection and Test Plan certified by a suitably qualified Engineer (RPEQ – Civil) prior to commencement of any work and prior to any pre-start meeting.
- ENG 4 Pay to Council, inspection fees based on Council's Fees and Charges current at the time of commencement of works and based on the estimated project cost as estimated or accepted by Council prior to the pre-start meeting.
- ENG 5 Adhere to the following hours of construction unless otherwise approved in writing by Council:

Monday to Saturday:	6.30am to 6.30pm	Noise permitted
Monday to Sunday:	6.30pm to 6.30am	No noise permitted
Sunday and Public Holidays:		No noise permitted

**Note:** Do not conduct work or business that causes audible noise from or on the site outside the above hours.

- ENG 6 Be responsible to carry out Work Health and Safety legislative requirements.
- ENG 7 Ensure all work sites are maintained in a clean, orderly state at all times.
- ENG 8 Manage all waste in accordance with the relevant legislation and regulations and dispose of regulated waste at a licensed facility of South Burnett Regional Council by a licensed regulated waste disposal contractor.
- ENG 9 Be responsible for the location and protection of any Council and public utility services infrastructure and assets that may be impacted on during construction of the development.
- ENG 10 Repair all damages incurred to Council and public utility services infrastructure and assets, as a result of the proposed development, immediately should hazards exist for public health and safety or vehicular safety. Otherwise, repair all damage immediately upon completion of works associated with the development.
- ENG 11 Submit to Council, a Certification from a suitably qualified Engineer (RPEQ) that the works have been undertaken in accordance with the approved plans and specifications and to Council's requirements.
- ENG 12 Works are to be constructed generally in accordance with the specification requirements outlined in Aus-Spec #1 and the IPWEAQ Standard Drawings unless otherwise approved by South Burnett Regional Council.

## **ROADWORKS**

- ENG 13 Submit to Council for approval, final pavement designs certified by an RPEQ to Austroads' or the Department of Transport and Main Roads' design standards after stripping of topsoil and assessment of soaked sub-grade CBR values and using an ESA's or design traffic based on traffic engineering predictions.
- ENG 14 Ensure fill placed under the road formation in embankment situations is compacted to achieve 98% standard compaction. Testing and supervision of such fill must be in accordance with the testing requirements of TMR and at Level 2 Supervision of AS3798.



ENG 15 Ensure that backfilling of road crossings with an in-situ material to subgrade level is compacted to achieve 97% standard compaction.

ENG 16 Provide temporary signage and traffic control for construction in dedicated road reserves in accordance with Part 3 (Works on Roads) of Manual of Uniform Traffic Control Devices (MUTCD) - Department of Transport and Main Roads.

ENG 17 All new signage shall be Class 1 retro-reflective material to AS1743.

ENG 18 Submit to Council for approval, a Traffic Management Plan prior to commencement of any works involving closing of Council roads or working on or adjacent to existing roads.

ENG 19 The Traffic Management Plan and Work Method Statements in accordance with the *Work Health and Safety Act 2011* requirements shall be maintained on-site at all times.

### **DEVELOPMENT WORKS**

ENG 20 Maintain erosion and sedimentation controls at all times during the course of the project and the ensuing defects liability period.

ENG 21 Implement measures to prevent site vehicles tracking sediment and other pollutants from the site onto adjoining streets during the course of the project, and to prevent dust nuisance during construction and the ensuing defects liability period.

ENG 22 Be responsible for protecting nearby property owners from dust pollution arising from construction and maintenance of the works required by this approval, and comply with any lawful instructions from the Assessment Manager if, in his opinion, a dust nuisance exists.

ENG 23 Waste material as a result of demolition work and excavation work must not be used as fill as described within the *Waste Reduction and Recycling Act 2011*.

### **INSPECTIONS AND TESTING**

ENG 24 Submit to Council the pre-start meeting agenda at the confirmation of a date and time for the meeting.

ENG 25 Provide Council with a minimum of two clear working days notice to undertake compulsory inspections and meetings at the following stages:

- (a) Pre-start meeting with Council, Contractor, Supervising Engineer and developer;
- (b) following preparation and compaction of road sub-grade;
- (c) following placement and compaction of each road pavement layer and prior to laying of the next pavement layer or surfacing layer;
- (d) of the finished pavement surface prior to any prime, primer-seal or bitumen seal;
- (e) at the point of completion of all works before placing on-maintenance; and
- (f) at the point of requesting Council to accept the works off-maintenance.

ENG 26 Submit to Council, all inspection and test data in its entirety prepared by the applicant, Engineer, Principal Contractor or by Subcontractors in relation to the Operational Work or as described in the application prior to the on-maintenance period commencing. Undertake any further inspection, testing or analysis required, due to failure of work to meet specifications or where the testing previously provided is considered insufficient on behalf of the Principal Contractor by a NATA accredited entity (where applicable).

ENG 27 Uncover all works covered prior to inspection to allow inspection by Council at Council's sole discretion.

ENG 28 Allow Council to enter a work site to which this approval relates and undertake testing or analysis of any part of the construction, and Council is not liable for the rectification of or compensation for any damage caused in the testing or analysis process. Should work be found to be not constructed to specification or of poor quality, any reasonable instruction given by Council Officers must be considered to be a condition of approval and undertaken by the Principal Contractor.

ENG 29 Where complete or incomplete works under this approval adversely affect adjoining properties, Council land, roads or other infrastructure, Council requires by notice, works to be completed.

ENG 30 Undertake any works for the safety or health of the community or protection of infrastructure where Council deems it necessary.

## **MAINTENANCE**

ENG 31 Submit to Council, a written request to place constructed works on-maintenance or off-maintenance from the developer's certifying Engineer stating that all approved works have been completed and are ready for Council inspection.

ENG 32 Pay to Council, a maintenance bond of 5% of the cost of the operational work as estimated or accepted by Council, prior to commencement of the on-maintenance period.

ENG 33 Maintenance bond must be provided in the form of a cash bond or a bank guarantee.

ENG 34 Maintain all works that will become Council infrastructure for a period of 12 months (maintenance period) from commencement of the on-maintenance period. Undertake any necessary maintenance or repairs to non-conforming work, defects and/or damage to any works undertaken in relation to this approval, even where damage has resulted from a third-party activity within the maintenance period.

ENG 35 The maintenance bond will be entirely forfeited to Council should there be any failure by the applicant to undertake any such works considered by Council as necessary, to rectify any non-compliant works and to protect public safety. In the event that the bond is insufficient to address the non-compliant works, Council reserves the right to seek restitution. After expiration of the maintenance period and where required maintenance is suitably undertaken to Council's satisfaction, the bond will be returned accordingly, after the project is accepted off-maintenance.

ENG 36 The on-maintenance period commences only when Council provides written confirmation that all of the following are completed:

- (a) satisfactory completion of all works and conditions of Operational Work approval.
- (b) provision of all necessary test and quality audit requirements;
- (c) lodgement with Council, of certification from an RPEQ that the works have been undertaken in accordance with the approved plans and specifications and to Council's requirements;
- (d) lodgement of a maintenance bond of 5% of the cost of the operational work as accepted by Council; and
- (e) submission of "*As Constructed*" data in the required format.

## AS CONSTRUCTED INFORMATION

ENG 37 Submit to Council within 10 working days of completion of the operational work, suitable "As Constructed" drawings in hard copy and AutoCAD format and on GDA Zone 56 co-ordinates. The "As Constructed" drawings or data capture methods as required by Council must be certified by a Registered Professional Engineer of Queensland (RPEQ) on every drawing and shall be to an appropriate electronic format and standard as required by Council's Infrastructure Services General Manager.

ENG 38 Provide "As Constructed" data for the road works, where applicable.

## REFERRAL AGENCIES

Not Applicable.

## APPROVED PLANS

The following plans are Approved plans for the development:

### Approved Plans

Plan No.	Rev.	Plan Name	Date
C-100	D	<i>General Notes</i> prepared by ATC Consulting Engineers.	09/07/25
C-101	D	<i>General Plan-Existing</i> prepared by ATC Consulting Engineers.	09/07/25
C-102	D	<i>General Plan-Proposed</i> prepared by ATC Consulting Engineers.	09/07/25
C-103	D	<i>Typical Section and Details</i> prepared by ATC Consulting Engineers.	09/07/25
C-104	D	<i>Control Line Setout Details (1/2)</i> prepared by ATC Consulting Engineers.	09/07/25
C-105	D	<i>Control Line Setout Details (2/2)</i> prepared by ATC Consulting Engineers.	09/07/25
C-106	D	<i>Longitudinal Section - MC01A</i> prepared by ATC Consulting Engineers.	09/07/25
C-107	D	<i>Longitudinal Section - MC01</i> prepared by ATC Consulting Engineers.	09/07/25
C-108	D	<i>Longitudinal Section - MC02A</i> prepared by ATC Consulting Engineers.	09/07/25
C-109	D	<i>Longitudinal Section - MC02</i> prepared by ATC Consulting Engineers.	09/07/25
C-110	D	<i>Longitudinal Section - MC03A</i> prepared by ATC Consulting Engineers.	09/07/25
C-111	D	<i>Longitudinal Section - MC03</i> prepared by ATC Consulting Engineers.	09/07/25
C-112	D	<i>Cross Sections – Kratzmanns Road (1/2)</i> prepared by ATC Consulting Engineers.	09/07/25
C-113	D	<i>Cross Sections – Kratzmanns Road (2/2)</i> prepared by ATC Consulting Engineers.	09/07/25
C-114	D	<i>Cross Sections – Murgon-Gayndah Road (1/4)</i> prepared by ATC Consulting Engineers.	09/07/25
C-115	D	<i>Cross Sections – Murgon-Gayndah Road (2/4)</i> prepared by ATC Consulting Engineers.	09/07/25

C-116	D	<i>Cross Sections – Murgon-Gayndah Road (3/4)</i> prepared by ATC Consulting Engineers.	09/07/25
C-117	D	<i>Cross Sections – Murgon-Gayndah Road (4/4)</i> prepared by ATC Consulting Engineers.	09/07/25
C-120	D	<i>Vehicle Turn Paths (1/2)</i> prepared by ATC Consulting Engineers.	09/07/25
C-121	D	<i>Vehicle Turn Paths (2/2)</i> prepared by ATC Consulting Engineers.	09/07/25
C-122	D	<i>Linemarking and signs</i> prepared by ATC Consulting Engineers.	09/07/25
19-184-01	A	<i>Locality Plan, Drawing Index</i> prepared by KN Group Pty Ltd.	4/9/19
19-184-02	A	<i>Control Line Setout Plan</i> prepared by KN Group Pty Ltd.	4/9/19
19-184-03	A	<i>Layout Plan</i> prepared by KN Group Pty Ltd.	4/9/19
19-184-04	A	<i>Roadworks Longitudinal Section Control Line MC01</i> , prepared by KN Group Pty Ltd.	4/9/19
19-184-05	A	<i>Roadworks Cross Section Control Line MC01</i> , prepared by KN Group Pty Ltd.	4/9/19
19-184-06	A	<i>Road Widening Line Marking</i> prepared by KN Group Pty Ltd.	4/09/19
19-184-07	A	<i>Road Widening Sight Distance and Tree Clearing</i> prepared by KN Group Pty Ltd.	4/09/19
19-184-08	A	<i>Road Widening Turn Paths</i> prepared by KN Group Pty Ltd.	4/09/19
19-184-09	A	<i>Sediment and Erosion Control Plan</i> prepared by KN Group Pty Ltd.	4/9/19
19-184-10	A	<i>Sediment and Erosion Notes</i> prepared by KN Group Pty Ltd.	4/9/19
19-184-11	A	<i>Safety in Design</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-01	A	<i>Locality Plan, Drawing Index</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-02	A	<i>Control Line Setout Plan Sheet 1</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-04	A	<i>General Arrangement Plan Sheet 1</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-06	A	<i>Roadworks Longitudinal Section Control Line MC01 and MC02</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-08	A	<i>Roadworks Cross Section Control Line Kratzmanns Rd</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-11	A	<i>Intersection Linemarking and Signs Sheet 1</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-13	A	<i>Pavement Layout Plan</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-14	A	<i>Sediment and Erosion Control Plan</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-15	A	<i>Sediment and Erosion Notes</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-16	A	<i>Intersection Turn Paths Sheet 1</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-17	A	<i>Intersection Turn Paths Sheet 2</i> prepared by KN Group Pty Ltd.	4/9/19
19-182-18	A	<i>Safety in Design</i> prepared by KN Group Pty Ltd.	4/9/19

## REFERENCED DOCUMENTS

Not Applicable.

## ADVISORY NOTES

The following notes are included for guidance and information purposes only and do not form part of the assessment manager conditions:

- ADV1 Prior to commencement of the use or endorsement of the survey plan as applicable, the applicant shall contact Council to arrange a Development Compliance Inspection.
- ADV2 The applicant must ensure compliance with environmental conditions whether required to hold an Environmental Authority or not. These include, but are not limited to water quality, air quality, noise levels, waste waters, lighting and visual quality as a result of any activity or by-product or storage of materials within the confines of the building(s) and property boundaries.  
Any amendment, alteration or addition to the development approval will require further consideration by Council in assessing any changes to the environmental conditions.
- ADV3 The *Aboriginal Cultural Heritage Act 2003* (ACHA) is administered by the Department of Aboriginal and Torres Strait Islander and Multicultural Affairs (DATSIMA). The ACHA establishes a duty of care to take all reasonable and practicable measures to ensure any activity does not harm Aboriginal cultural heritage. This duty of care:
- (i) is not negated by the issuing of this development approval;
  - (ii) applies on all land and water, including freehold land;
  - (iii) lies with the person or entity conducting an activity; and
  - (iv) if breached, is subject to criminal offence penalties.
- Those proposing an activity involving surface disturbance beyond that which has already occurred at the proposed site must observe this duty of care. Details of how to fulfil this duty of care are outlined in the duty of care guidelines gazetted with the ACHA. The applicant should contact DATSIP's Cultural Heritage Co-ordination Unit on telephone (07) 3224 2070 for further information on the responsibilities of developers under the ACHA.
- ADV4 The **relevant period** for the development approval (Operational Work) shall be **two (2) years** starting the day the approval is granted or takes effect. In accordance with Section 85(1)(c) of the *Planning Act 2016*, the development approval for Operational Work lapses if the development does not substantially start within the abovementioned **relevant period**.  
An applicant may request Council to extend the **relevant period** provided that such request is made in accordance with Section 86 of the *Planning Act 2016* and before the development approval lapses under Section 85 of the *Planning Act 2016*.
- ADV5 Council is to be indemnified against any claims arising from works carried out by the applicant on Council's property.
- ADV6 The relevant Planning Scheme for this Development Permit is the South Burnett Regional Council Planning Scheme 2017 v2.0. All references to the Planning Scheme and Schedules within these conditions refer to the above Planning Scheme.

#### PROPERTY NOTES

Not Applicable.

#### VARIATION APPROVAL

Not Applicable.

#### FURTHER DEVELOPMENT PERMITS REQUIRED

Not Applicable.

#### SUBMISSIONS

Not Applicable.

## **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.southburnett.qld.gov.au](http://www.southburnett.qld.gov.au), or at Council Offices.

Yours faithfully



**DAVID HURSTHOUSE**  
**COORDINATOR DEVELOPMENT SERVICES**

Enc:   Approved Plans  
      Appeal Rights

# KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD INTERSECTION UPGRADE

Philip DE GUZMAN  
RPEQ 21623  
  
Date: 09/07/2025  
Status: For Construction

GENERAL NOTES:

1.

ALL SETOUT FOR THIS DEVELOPMENT HAS BEEN BASED ON INFORMATION SUPPLIED BY THE CONSULTING SURVEYORS. THE CONTRACTOR IS TO CHECK THE SETOUT AGAINST THE PROPERTY PEGS AND CONFIRM ALL LEVELS ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORKS. REFER ANY DISCREPANCIES TO THE ENGINEER FOR DETERMINATION.
2.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE LOCATION OF ALL EXISTING SERVICES PRIOR TO ANY EXCAVATION.
3.

THE CONTRACTOR IS TO LOCATE AND CONFIRM THE INVERT LEVELS OF EXISTING SERVICES, AT THE INTERSECTION WITH NEW SERVICES TO ENSURE ADEQUATE CLEARANCES PRIOR TO COMMENCING ANY WORK. SHOULD POSSIBLE CONFLICTS EXIST, THE ENGINEER IS TO BE CONTACTED FOR DETERMINATION.
4.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORKS WITH ANY RELEVANT AUTHORITIES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF AND REINSTATEMENT OF ANY OF THE EXISTING SERVICES WHICH MAY BE UNCOVERED AND OR DAMAGED IN THE COURSE OF THE WORKS.
5.

ALL WORKS AREAS SHALL BE LEFT IN A FREE DRAINING STATE.
6.

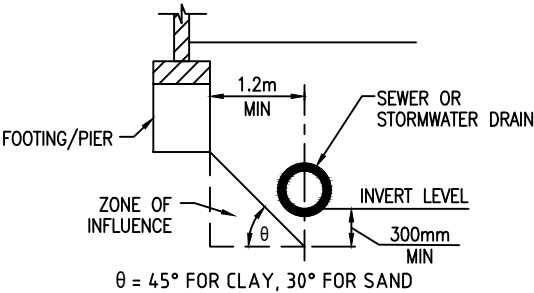
LEVELS AND GRADIENTS AT JUNCTIONS WITH EXISTING WORKS MAY BE VARIED AS REQUIRED TO ACHIEVE SATISFACTORY CONNECTIONS - SUBJECT TO THE PRIOR APPROVAL OF THE ENGINEER.
7.

THE CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF LEVELS AND LOCATIONS OF ALL SERVICES AND SHALL SUPPLY AS CONSTRUCTED PLANS.
8.

THE CONSULTING SURVEYOR IS RESPONSIBLE FOR THE SETTING OUT OF ALL CONTROL LINES, (OFFSET FOR CONSTRUCTION PURPOSES WHERE NECESSARY), AS DETAILED ON THIS AND SUBSEQUENT PLANS.
9.

CARPARK PAVEMENTS ARE TO BE INSPECTED AND CERTIFIED BY A SUITABLY QUALIFIED RPEQ ENGINEER.
10.

FOOTINGS NEAR UNDERGROUND SERVICES SHALL BE DEEPEMED SUCH THAT ITS ZONE OF INFLUENCE (AREA LOADED BY THE FOOTING, SEE BELOW FIGURE) DOES NOT ADVERSELY AFFECT THE UNDERGROUND INFRASTRUCTURE.



**BUILDING OVER OR NEAR RELEVANT INFRASTRUCTURE**  
REFER TO QUEENSLAND DEVELOPMENT CODE  
(QDC) MP 1.4 FOR MORE INFORMATION.

EARTHWORKS:

1.

ALL EARTHWORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS3798 AND BE SUPERVISED BY A SUITABLY QUALIFIED GEOTECHNICAL TESTING AUTHORITY TO LEVEL 2 SUPERVISION AS PER THE STANDARD AT THE CONTRACTOR'S COST.
2.

ALL VOLUMES NOMINATED ARE SOLID VOLUMES.
3.

BEFORE COMMENCEMENT OF EARTHWORKS, STRIP ALL AFFECTED AREAS OF ALL GRASS AND VEGETATIVE MATTER. SUBGRADE TO BE COMPACTED TO 95% STD. COMPACTION AS DETERMINED BY AS 1289 5.1.1 AND 5.3.1 (STANDARD COMPACTION).
4.

IMPORTED FILL SHALL BE FREE OF ORGANIC AND PERISHABLE MATTER, ACID SULFATE AND ANY DELETERIOUS MATTER AND SHALL BE SUBJECT TO THE APPROVAL OF THE SUPERVISING ENGINEER.
5.

PRIOR TO ANY FILLING ON THE PLATFORMS, THE EXISTING TOPSOIL SHALL

BE STRIPPED AND STOCKPILED FOR SUBSEQUENT RESPREADING AS DIRECTED BY THE ENGINEER.

6.

ALL FILL SHALL BE PLACED IN LOOSE LAYERS OF 200mm MAX. DEPTH AND SHALL BE MOISTENED AND ROLLED TO ACHIEVE A MIN. 95% STANDARD COMPACTION THROUGHOUT THE ENTIRE DEPTH AND PLAN EXTENT OF THE FILL.
7.

DENSITY TESTING SHALL BE CARRIED OUT BY A NATA REGISTERED LABORATORY, WITH TESTING FREQUENCY TO SUIT THE REQUIREMENTS OF AS 3798.

+ 480.000 - DENOTED DESIGN SURFACE LEVEL

EXISTING SERVICES:

1.

THE CONTRACTOR IS TO CONFIRM THE LOCATION OF ALL SERVICES PRIOR TO COMMENCING ANY CONSTRUCTION WORKS OR ORDERING ANY MATERIALS.
2.

THE CONTRACTOR IS TO CONTACT DIAL BEFORE YOU DIG ON 1100 PRIOR TO COMMENCING ANY CONSTRUCTION WORKS.
3.

WHILE ALL DUE CARE IS TAKEN BY ATC ENGINEERS IN CONFIRMING THE LOCATION OF EXISTING SERVICES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THESE SERVICE LOCATIONS. IN SOME INSTANCES SERVICE MAY BE OMITTED FROM ATC ENGINEERS' DRAWINGS.
4.

THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING THE LOCATING OF ALL SERVICES BY THE RELEVANT AUTHORITIES.
5.

A REPRESENTATIVE FOR EACH SERVICE PROVIDER TO BE PRESENT ON SITE WHEN WORKING WITHIN 3.0m OF EACH SERVICE.
6.

THE CONTRACTOR IS TO CONFIRM THE LOCATION AND LEVEL OF ALL SEWER AND DRAINAGE CONNECTION POINTS PRIOR TO COMMENCING ANY CONSTRUCTION WORKS OR ORDERING ANY MATERIALS.
7.

SHOULD INVERT LEVELS OR LOCATION OF ANY SEWER OR DRAINAGE CONNECTION POINTS DIFFER TO THAT INDICATED ON ATC ENGINEERS' DRAWINGS THEN THE SUPERINTENDENT SHALL BE NOTIFIED IMMEDIATELY.
8.

ANY WORKS REQUIRED TO OR NEAR AN AUTHORITIES SERVICES SHALL BE CARRIED OUT TO THE APPROVAL OF, UNDER THE SUPERVISION OF AND TO THE STANDARD REQUIRED BY THE AUTHORITY.

GENERAL HYDRAULICS:

1.

BACKFILL AND COMPACT ALL TRENCHES IN ACCORDANCE WITH AS/NZS:3500 AND STRUCTURAL AND/OR CIVIL ENGINEERS' SPECIFICATION WHERE TRENCHES ARE LOCATED UNDER OR WITHIN THE INFLUENCE OF PAVEMENT AND FOOTINGS.
2.

ALL PIPEWORK INSTALLED WITHIN CONCRETE SLABS ARE TO BE INSTALLED TO THE STRUCTURAL ENGINEERS' SATISFACTION.
3.

WATER SERVICE AND FIRE SERVICE PIPEWORK DIAMETERS NOMINATED ON THE DRAWINGS ARE NOMINAL INTERNAL DIAMETERS AND AN EQUIVALENT PIPE SIZE APPROPRIATE FOR THE MATERIAL BEING USED SHALL BE SELECTED FROM APPENDIX J OF AS/NZS:3500.1. IE. PE PIPEWORK DIAMETERS TO BE UPSIZED TO NEXT SIZE.
4.

SUPPLY AND INSTALL ALL FITTINGS, SPECIALS, INCLUDING VARIOUS PIPE ADAPTORS AND NON-CONDUCTING MATERIALS, TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK AND MATERIALS.

STORMWATER DRAINAGE:

1.

STORMWATER INSTALLATION WORKS ARE TO BE INSPECTED AND CERTIFIED BY A SUITABLY QUALIFIED RPEQ ENGINEER.
2.

ALL STORMWATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH AS/NZS:3500.3.
3.

BEDDING TO UNDERGROUND PIPEWORK TO BE TO SECTION 2 AND 7 OF AS/NZS:3500.3 AND PIPE MANUFACTURER'S SPECIFICATIONS.
4.

THE BUILDER IS TO ENSURE ALL FINISHED SURFACE LEVELS HAVE ADEQUATE FALL TO TOWARDS STORMWATER INLETS IN ACCORDANCE WITH THE REQUIRED AUSTRALIAN STANDARDS AND THE BUILDING CODE OF AUSTRALIA.
5.

ALL STORMWATER DRAINAGE NOT NOMINATED TO BE DN100 LAID AT A MINIMUM GRADIENT OF 1.0%.
6.

PIPE MATERIALS:

- 6.1

UNDERGROUND PIPEWORK IN TRAFFICABLE AREAS DN100 TO DN300 TO BE RRJ UPVC CLASS SN8 MINIMUM UNLESS NOTED OTHERWISE.
- 6.2

UNDERGROUND PIPEWORK IN NON-TRAFFICABLE AREAS DN100 TO DN300 TO BE UPVC RRJ CLASS SN6 MINIMUM UNLESS NOTED OTHERWISE.
- 6.3

UNDERGROUND PIPEWORK GREATER THAN DN300 TO BE CLASS X SPIGOT AND SOCKET REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
- 6.4

EXPOSED PIPEWORK AT GRADE TO BE UPVC CLASS SN8 MINIMUM UNLESS NOTED OTHERWISE.
- 6.5

SUBSOIL DRAINS SHALL BE HDPE OR SLOTTED UPVC WITH GEOFABRIC SLEEVE SURROUNDED IN 100mm MINIMUM THICK LAYER OF 20mm AGGREGATE. FALL ALL SUBSOIL DRAINS AT 1 IN 200 MINIMUM TOWARDS A POSITIVE FREE DRAINING STORMWATER DRAINAGE CONNECTION. CONSTRUCT A HIGH END RISER AND CLEAR OUT WITH DN100 UPVC AND REMOVEABLE CAP AT SURFACE LOCATED AT THE HIGH END OF THE LINE. WHERE SUBSOIL DRAINS PASS UNDER SLABS AND PAVEMENTS USE UNSLOTTED PVC SN6 RUBBER RING JOINTED PIPE.

SEDIMENT AND EROSION CONTROL:

1.

THE CONTRACTOR IS TO ENSURE THAT APPROPRIATE MEASURES ARE TAKEN TO LIMIT THE REMOVAL OF SEDIMENT FROM THE SITE.
2.

IMPLEMENTATION OF (BUT NOT LIMITED TO) THE FOLLOWING MEASURES MAY REDUCE EROSION AND THE REMOVAL OF SEDIMENT:

2.1.

MAINTENANCE OF EXISTING VEGETATION WHERE PRACTICAL;

2.2.

INSTALLATION AND REGULAR MAINTENANCE OF SHAKEDOWN AREAS;

2.3.

INSTALLATION AND REGULAR MAINTENANCE OF SEDIMENT FENCES;

2.4.

INSTALLATION AND REGULAR MAINTENANCE OF STORMWATER INLET SCREENS;

2.5.

INSTALLATION AND REGULAR MAINTENANCE OF CHECK DAMS;

2.6.

GRASS SEEDING AND TURFING UPON COMPLETION OF PROJECT.

DUST CONTROL:

1.

DURING DRY AND WINDY WEATHER ANY UNPROTECTED SURFACE AREA SHALL BE KEPT MOIST BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
2.

EXPOSED SURFACES INCLUDING BATTERS SHOULD BE LEFT ROUGH TO REDUCE WIND SPEEDS AND POTENTIAL FOR WIND EROSION.

SITE VISITS:

1.

ATC ENGINEERS RECOMMEND THAT A PRE-START MEETING BE HELD ON SITE BY THE CONTRACTOR PRIOR TO ANY WORKS BEING UNDERTAKEN.
2.

MINIMUM TESTING REQUIREMENTS SHOULD BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO COMMENCING CONSTRUCTION.
3.

ATC ENGINEERS REQUIRE A MINIMUM OF 24 HOURS NOTICE PRIOR TO ANY REQUEST FOR A SITE VISIT.
4.

CANCELLATION OF ANY SITE VISITS BY THE CONTRACTOR WITHOUT NOTIFYING ATC ENGINEERS WILL BE CHARGED TO THE CONTRACTOR.
5.

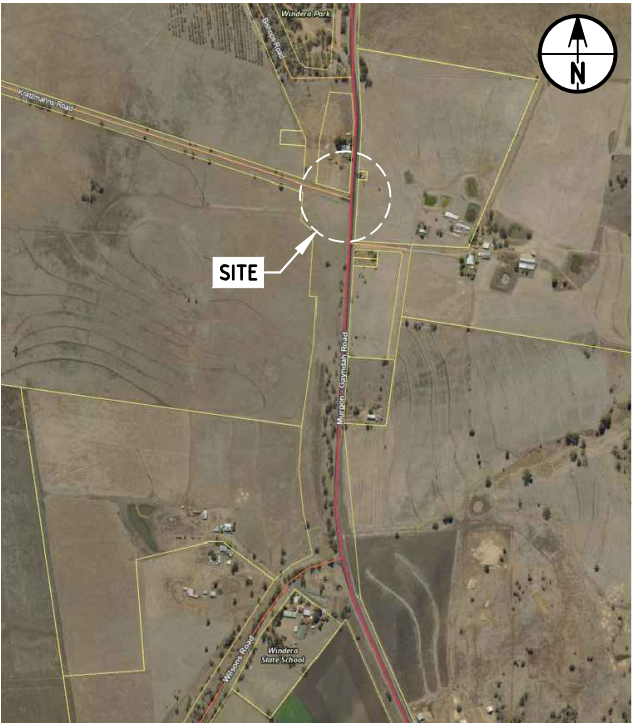
IN ORDER FOR ATC ENGINEERS TO CERTIFY THAT THE CIVIL WORKS COMPLY WITH OUR DRAWINGS AND THE RELEVANT STANDARDS, WE WILL NEED TO WITNESS THE TESTING REQUIREMENTS NOMINATED IN THE CORRESPONDING NOTES AS WELL AS A FINAL SITE INSPECTION ONCE ALL WORK HAS BEEN COMPLETED. FAILURE TO INCLUDE ATC ENGINEERS AS PART OF ALL THIS PROCESS WILL AFFECT OUR ABILITY TO ISSUE COMPLIANCE DOCUMENTATION.

AS CONSTRUCTED DATA:

1.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL 'AS CONSTRUCTED' INFORMATION TO THE LOCAL AUTHORITY. FOR A FEE ATC ENGINEERS CAN UPDATE 'AS CONSTRUCTED' INFORMATION SUPPLIED BY THE CONTRACTOR.
2.

THE CONTRACTOR IS TO SUPPLY A COPY OF 'AS CONSTRUCTED' DOCUMENTS TO ATC ENGINEERS.



LOCATION PLAN  
SCALE NTS

ISSUE	DESCRIPTION	DATE	DWN	DES	CHK	APP
D	ISSUE FOR CONSTRUCTION	09/07/2025	PDG	PDG	CG	AKC
C	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	03/10/2024	PDG	PDG	CG	AKC
B	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	30/08/2024	PDG	PDG	AKC	AKC
A	ISSUE FOR TENDER - NOT FOR CONSTRUCTION	23/05/2024	PDG	PDG	AKC	AKC

NOTE: FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED MEASUREMENTS. VERIFY ALL ON SITE DIMENSIONS & LEVELS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. COPYRIGHT OF THIS DRAWING IS VESTED WITH ATC CONSULTING ENGINEERS AND PROJECT MANAGERS.



CLIENT	WILSON PORK CO. WINDERA QLD 4605
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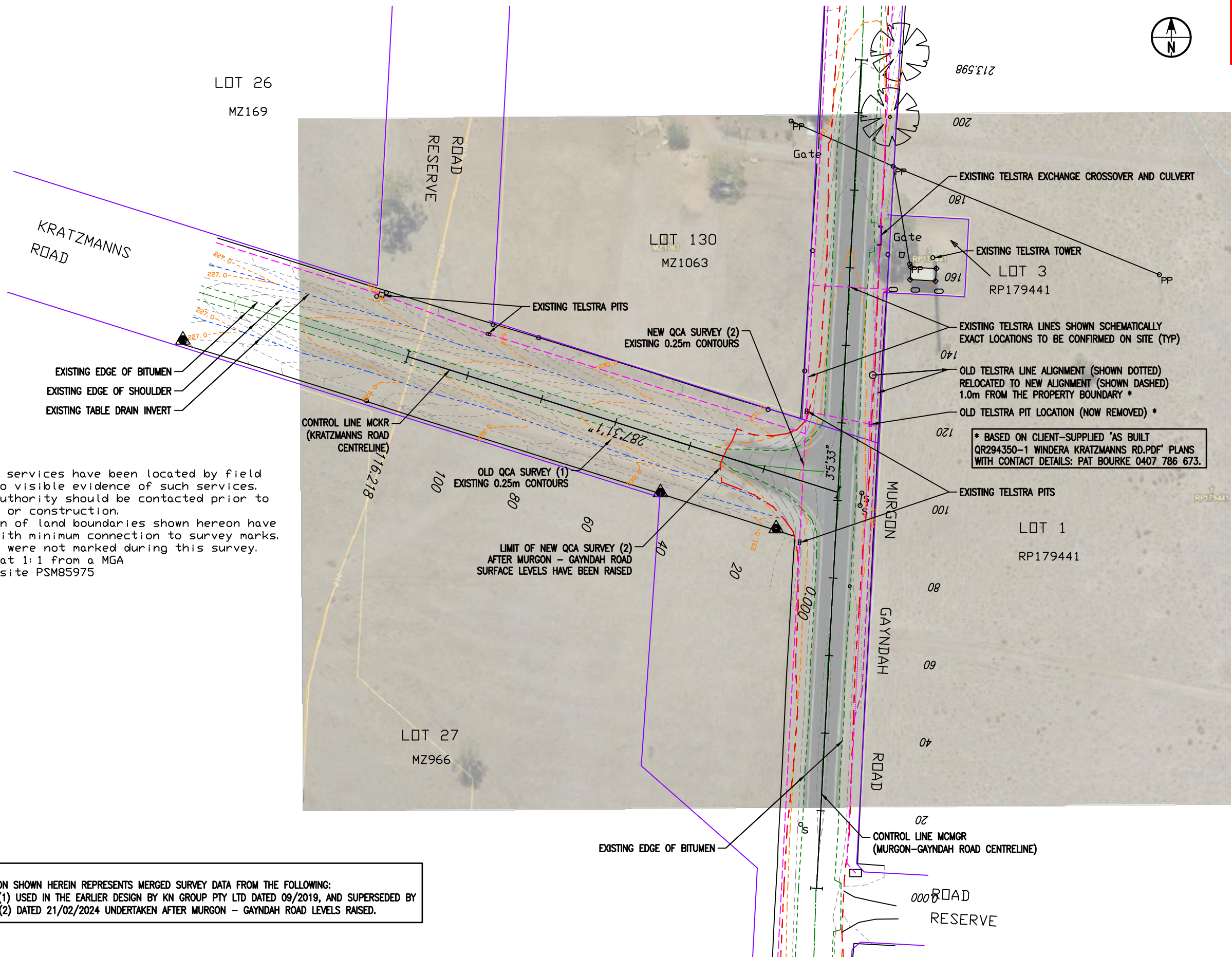
PROJECT	KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD INTERSECTION UPGRADE WINDERA QLD 4605	PROJECT NO.	24122	SIZE	A3	UNITS	m
		COUNCIL RAL/MCU NO.					
		COUNCIL OW NO.					
TITLE	GENERAL NOTES	DRAWING NO. C-100				ISSUE D	





Philip DE GUZMAN  
RPEQ 21623

Date: 09/07/2025  
Status: For Construction



NOTE : -  
1. Underground services have been located by field measurements to visible evidence of such services. The relevant authority should be contacted prior to any excavation or construction.  
2. The position of land boundaries shown hereon have been plotted with minimum connection to survey marks. The boundaries were not marked during this survey.  
3. Data scaled at 1:1 from a MGA base point on site PSM85975

NOTE:  
THE SURVEY INFORMATION SHOWN HEREIN REPRESENTS MERGED SURVEY DATA FROM THE FOLLOWING:  
• OLD QCA SURVEY (1) USED IN THE EARLIER DESIGN BY KN GROUP PTY LTD DATED 09/2019, AND SUPERSEDED BY  
• NEW QCA SURVEY (2) DATED 21/02/2024 UNDERTAKEN AFTER MURGON - GAYNDAH ROAD LEVELS RAISED.

GENERAL PLAN - EXISTING  
SCALE 1:1000

NOTE: FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED MEASUREMENTS. VERIFY ALL ON SITE DIMENSIONS & LEVELS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. COPYRIGHT OF THIS DRAWING IS VESTED WITH ATC CONSULTING ENGINEERS AND PROJECT MANAGERS.

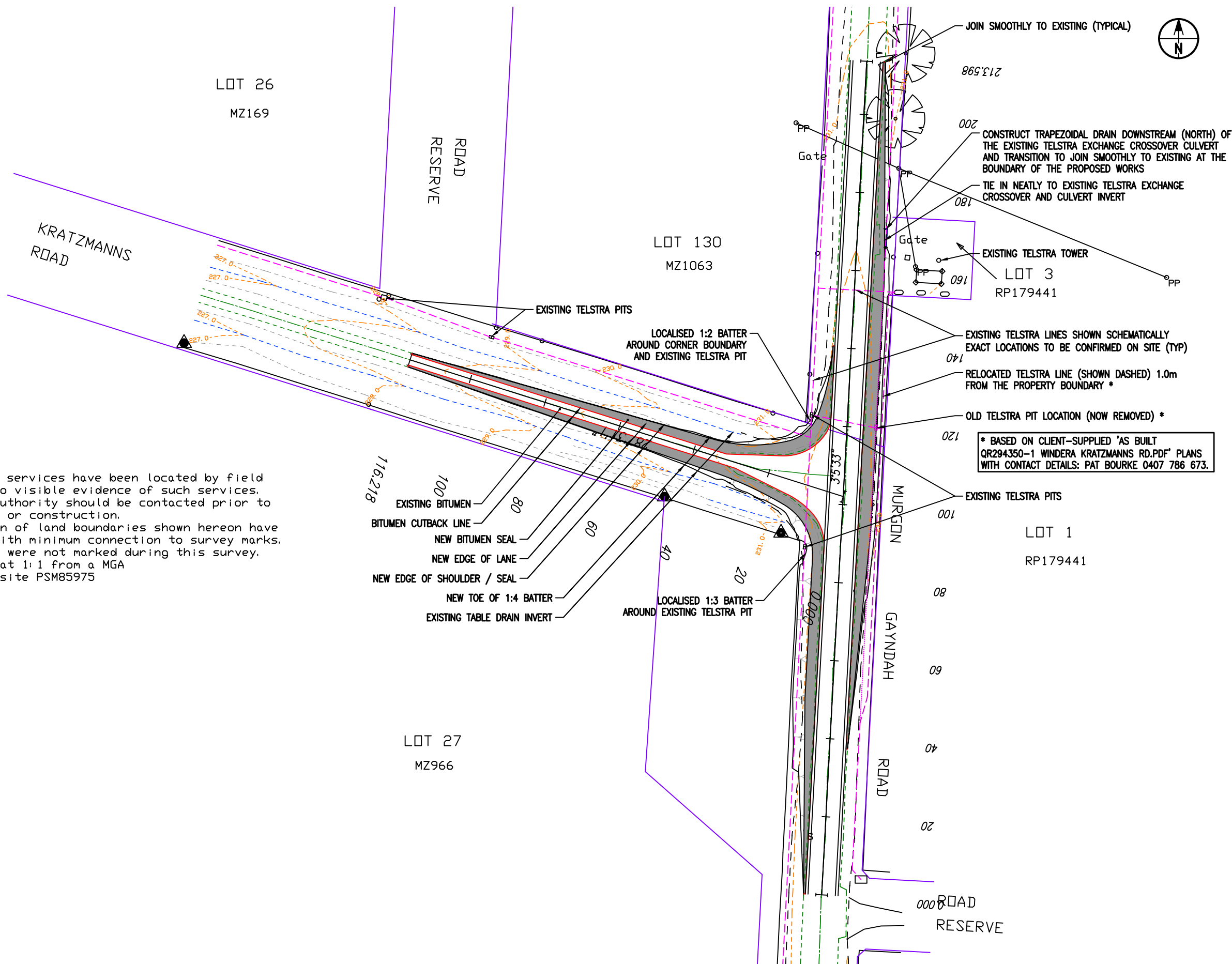


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WILSON PORK CO.  
WINDERA QLD 4605

PROJECT  
KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605  
TITLE  
GENERAL PLAN - EXISTING

PROJECT NO.	24122	SIZE	A3	UNITS	m
COUNCIL RAL/MCU NO.					
COUNCIL OWN NO.					
DRAWING NO.	C-101	ISSUE	D		





GENERAL PLAN - PROPOSED

SCALE 1:1000

NOTE: FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED MEASUREMENTS. VERIFY ALL ON SITE DIMENSIONS & LEVELS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. COPYRIGHT OF THIS DRAWING IS VESTED WITH ATC CONSULTING ENGINEERS AND PROJECT MANAGERS.

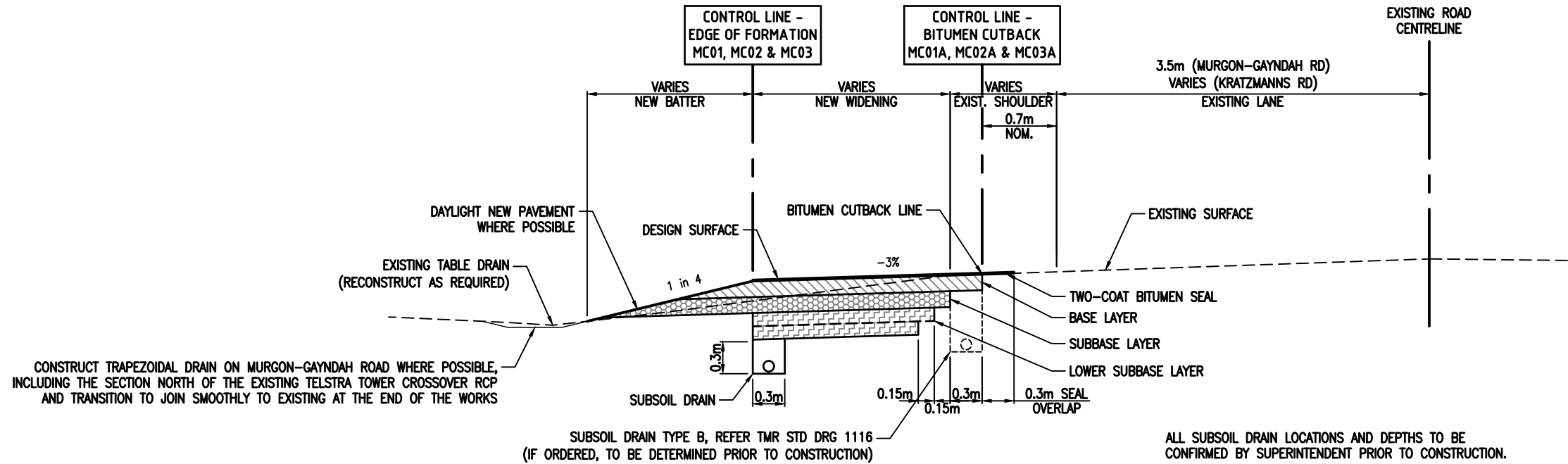


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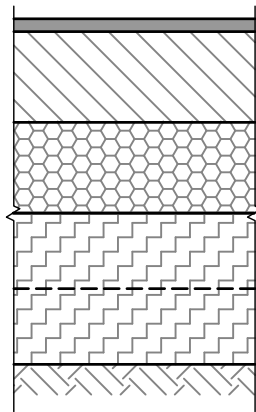
PROJECT  
KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605

TITLE  
GENERAL PLAN - PROPOSED

PROJECT NO.	24122	SIZE	A3	UNITS	m
COUNCIL RAL/MCU NO.					
COUNCIL OWN NO.					
DRAWING NO.	C-102	ISSUE		D	



TYPICAL SECTION - ROAD WIDENING  
SCALE 1:50



SEAL DESIGN TO BE CONFIRMED BY TMR ENGINEER PRIOR TO SEALING  
SECOND SEAL COAT CL.170 - 10 COVER AGGREGATE  
FIRST SEAL COAT CL.170 - 14 COVER AGGREGATE  
PRIMER SEAL AMC3 - 7mm COVER AGGREGATE

150mm BASE LAYER TYPE 2.1 GRAVEL  
COMPACTION AS PER TMR TECHNICAL SPECIFICATION MRTS05

150mm SUBBASE LAYER TYPE 2.3 GRAVEL  
COMPACTION AS PER TMR TECHNICAL SPECIFICATION MRTS05

2/125mm LOWER SUBBASE LAYER TYPE 2.5 GRAVEL  
COMPACTION AS PER TMR TECHNICAL SPECIFICATION MRTS05

SUBGRADE CBR 3 (ASSUMED)  
MIN. SUBGRADE TREATMENT TYPE A AS PER TMR TECHNICAL SPECIFICATION MRTS04  
REMOVE AND REPLACE ANY SOFT / UNSUITABLE MATERIAL  
FILL AS REQUIRED WITH MIN. CBR 35 FILL MATERIAL

PRELIMINARY PAVEMENT DESIGN  
(NOT FOR CONSTRUCTION)  
NTS

Printed: 09/07/2025 11:45:46 Filepath: C:\Users\atc\Engineers\Dropbox\Philip De Guzman\ATC Engineers\Projects\24112 - Wilson Pork - Kratzmanns Road Upgrade\Design\_Plans\24112 Wilson Pork Kratzmanns Rd Int Upgrade TENDER.cdwg

Document Set ID: 3347830

Version: 1, Version Date: 21/08/2025

RPEQ 21623

Date: 09/07/2025

Status: For Construction

### CONTROL LINE MCMGR (MURGON-GAYNDAH RD) DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN
S	0.000	383012.287	7118819.842	232.480	3°05'32.98"	LINE	213.598
E	213.598	383023.811	7119033.130	231.221	3°05'32.98"		

### CONTROL LINE MCKR (KRATZMANN'S RD) DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN
S	0.000	383017.793	7118921.755	232.368	287°31'00.76"	LINE	116.218
E	116.218	382906.965	7118956.735	228.751	287°31'00.76"		

## CONTROL LINE MC01 DETAILS

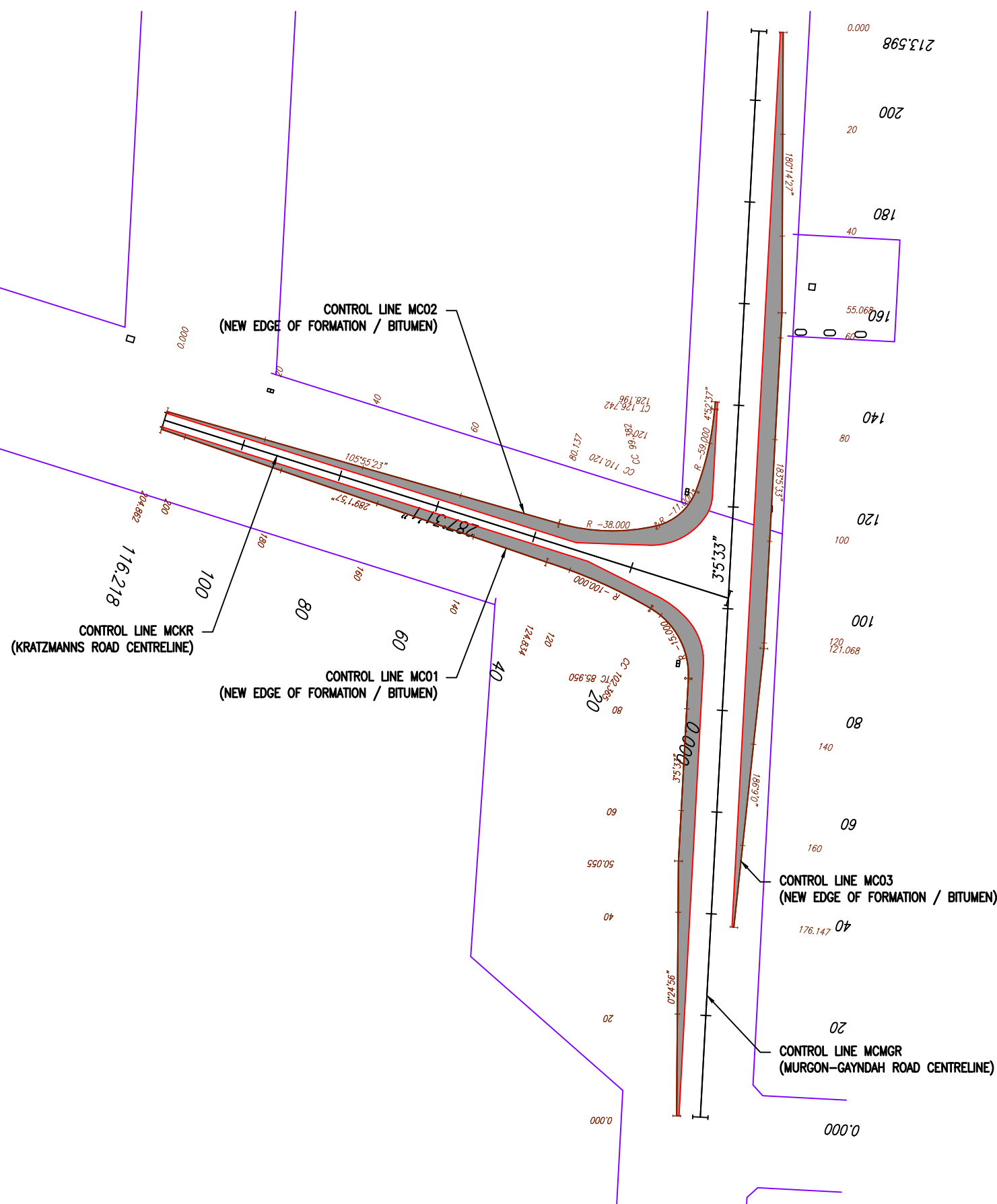
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	383007.632	7118820.094	232.360	0°24'55.90"	LINE		50.055
DIS	50.055	383007.995	7118870.147	232.341	3°05'32.98"	LINE		35.895
TC	85.950	383009.932	7118905.990	232.236	3°05'32.98"	ARC	-15.000	16.415
CC	102.365	383002.542	7118919.738	231.564	300°23'25.36"	ARC	-100.000	22.469
DIS	124.834	382982.051	7118928.841	230.830	289°01'57.06"	LINE		80.028
E	204.862	382906.398	7118954.939		289°01'57.06"			

## CONTROL LINE MC02 DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	382907.498	7118958.423	228.698	105°55'23.07"	LINE		80.137
DIS	80.137	382984.560	7118936.437	230.851	105°58'02.06"	ARC	-38.000	19.245
CC	99.382	383003.594	7118935.953	231.496	76°56'57.50"	ARC	-11.000	10.738
CC	110.120	383011.378	7118942.723	232.043	21°01'05.40"	ARC	-59.000	16.621
CT	126.742	383015.090	7118958.869	232.042	4°52'36.77"	LINE		1.454
E	128.196	383015.214	7118960.317		4°52'36.77"			

### CONTROL LINE MC03 DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN
S	0.000	383028.564	7119032.873	231.191	180°14'26.61"	LINE	55.068
DIS	55.068	383028.333	7118977.805	231.825	183°05'32.98"	LINE	66.000
DIS	121.068	383024.772	7118911.901	232.192	186°08'59.74"	LINE	55.078
E	176.147	383018.871	7118857.140	232.401	186°08'59.74"		

[illegible]

NOTE: FIGURED DIMENSIONS TO TAKE  
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CLIENT
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**WILSON PORK CO.**  
**WINDERA QLD 4605**

PROJECT	
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**KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605**

TITLE	CONTROL LINE SETOUT DETAILS (1/2)
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PROJECT NO	SIZE	UNITS
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PROJECT NO. <b>24122</b>	SIZE <b>A3</b>	UNITS <b>m</b>
COUNCIL - RAL/MCU NO.		

COUNCIL OW NO.

DRAWING NO. <b>C-104</b>	ISSUE <b>D</b>
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Date: 09/07/2025

Status: For Construction

### CONTROL LINE MCMGR (MURGON-GAYNDAH RD) DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN
S	0.000	383012.287	7118819.842	232.480	3°05'32.98"	LINE	213.598
E	213.598	383023.811	7119033.130	231.221	3°05'32.98"		

### CONTROL LINE MCKR (KRATZMANN'S RD) DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN
S	0.000	383017.793	7118921.755	232.368	287°31'00.76"	LINE	116.218
E	116.218	382906.965	7118956.735	228.751	287°31'00.76"		

### CONTROL LINE MC01A DETAILS

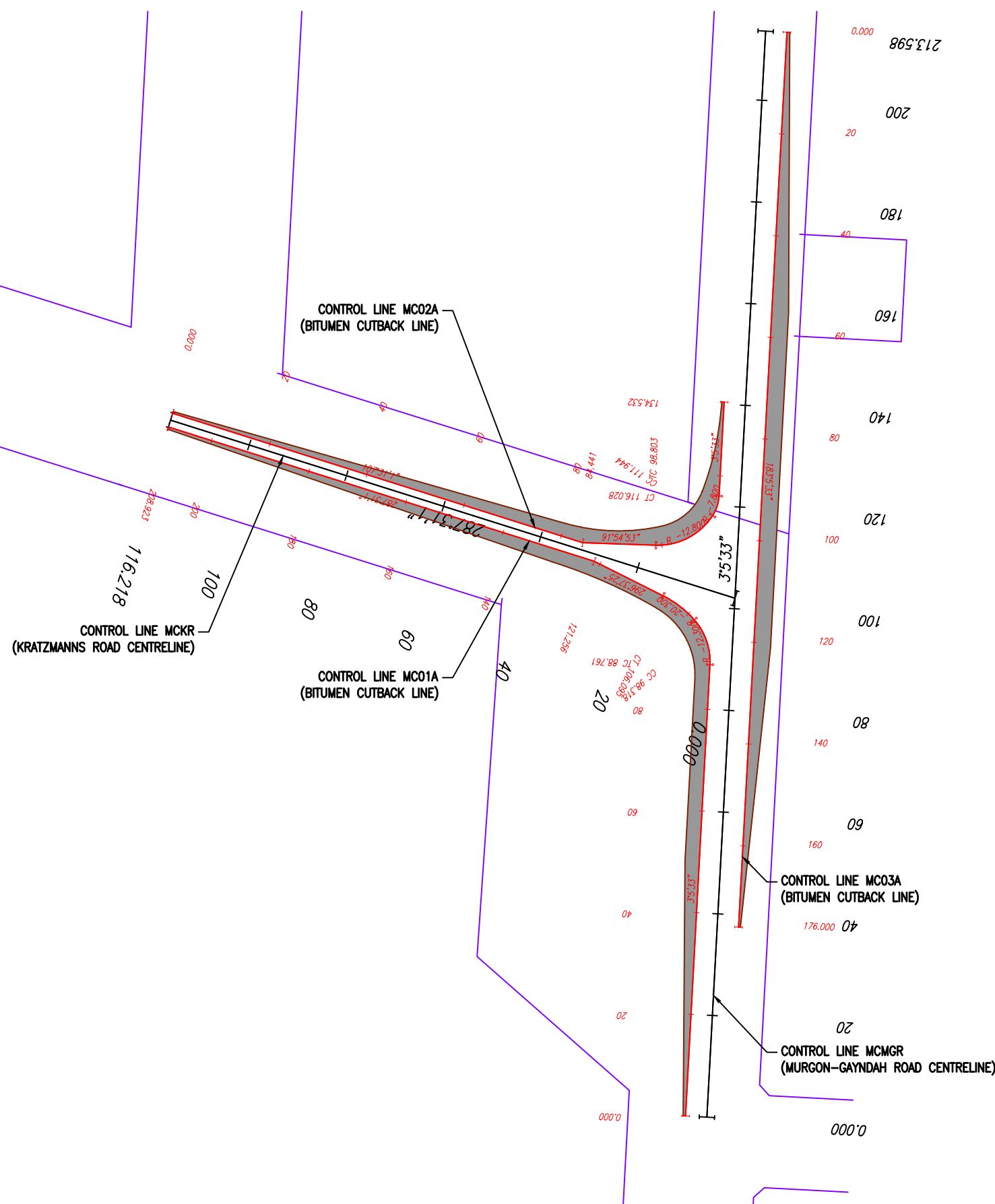
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	383008.094	7118820.069	232.372	3°05'32.98"	LINE		88.761
TC	88.761	383012.882	7118908.701	232.318	3°05'32.98"	ARC	-12.300	9.557
CC	98.318	383009.823	7118917.503	232.086	318°34'25.94"	ARC	-20.300	7.777
CT	106.095	383003.699	7118922.219	231.641	296°37'25.09"	LINE		15.161
DIS	121.256	382990.145	7118929.013	231.090	287°31'00.76"	LINE		87.667
E	208.923	382906.544	7118955.400	228.718	287°31'00.76"			

## CONTROL LINE MC02A DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	382907.386	7118958.070	228.711	107°31'00.76"	LINE		84.441
DIS	84.441	382987.911	7118932.654	231.039	91°54'52.76"	LINE		14.363
TC	98.803	383002.266	7118932.174	231.525	91°54'52.76"	ARC	-12.800	13.140
CC	111.944	383013.417	7118937.978	232.117	33°05'42.54"	ARC	-7.800	4.084
CT	116.028	383014.671	7118941.816	232.143	3°05'32.99"	LINE		18.503
E	134.532	383015.669	7118960.293	232.052	3°05'32.99"			

### CONTROL LINE MC03A DETAILS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN
S	0.000	383028.005	7119032.903	231.197	183°05'32.99"	LINE	176.000
E	176.000	383018.510	7118857.159	232.411	183°05'32.99"		

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NOTE: FIGURED DIMENSIONS TO TAKE  
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**WILSON PORK CO.**  
**WINDERA QLD 4605**

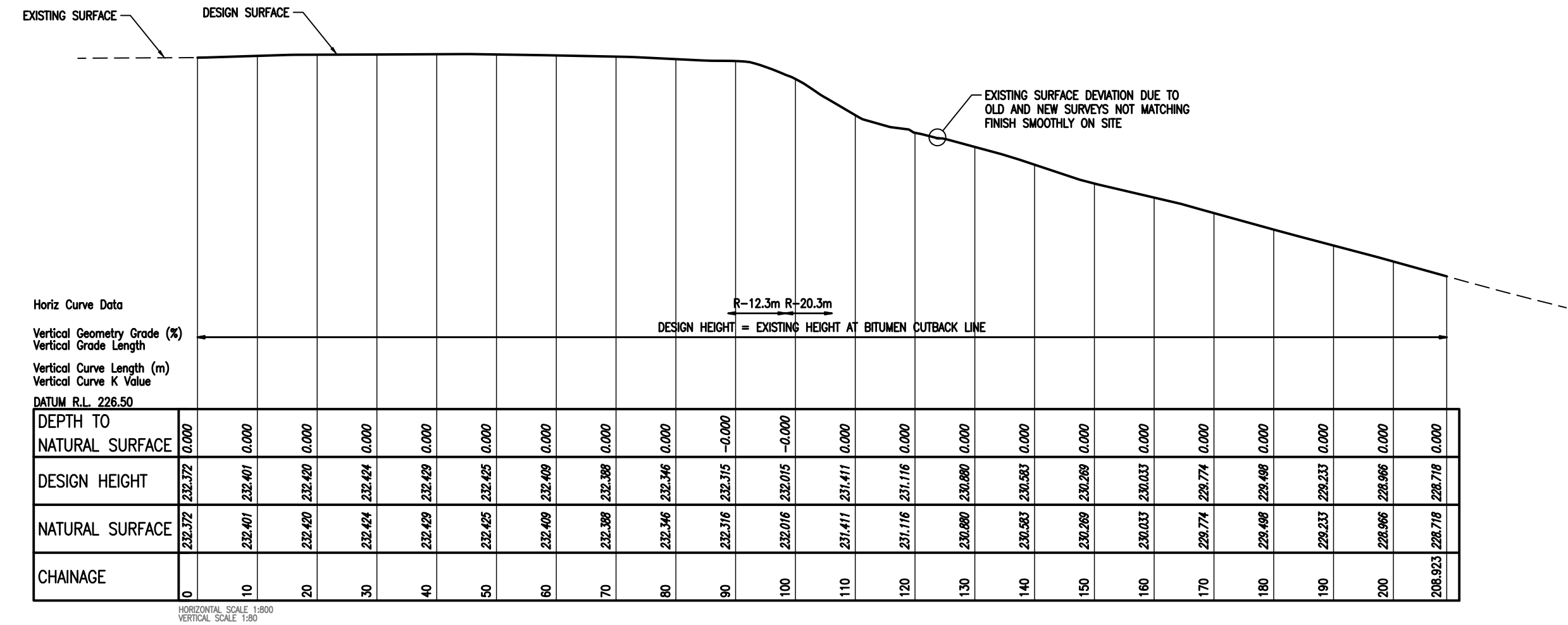
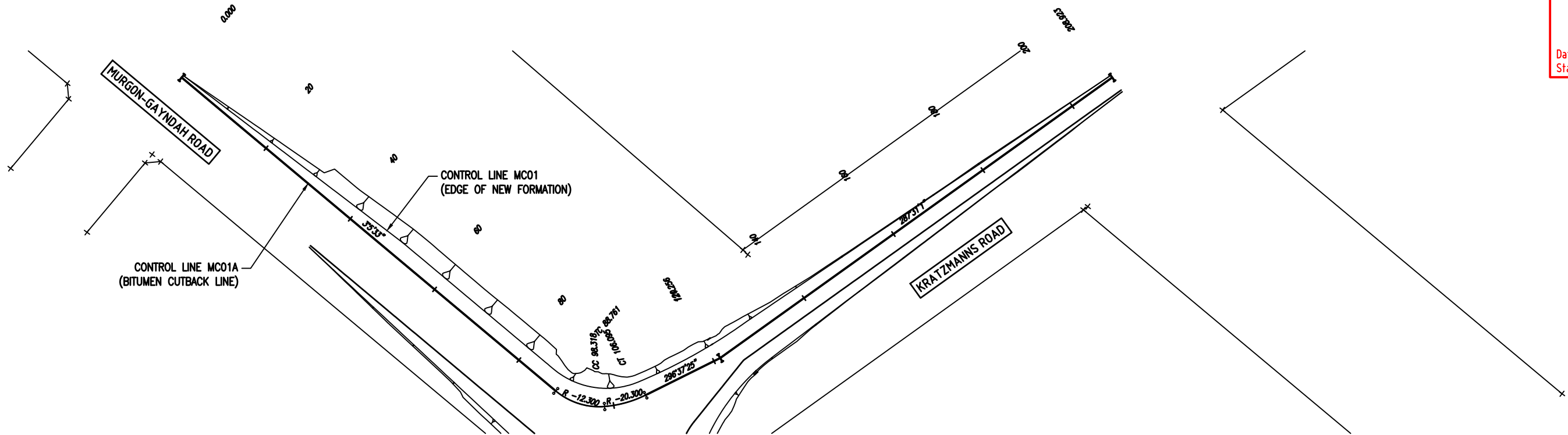
PROJECT	
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**KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605**

TITLE	CONTROL LINE SETOUT DETAILS (2/2)
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PROJECT NO. <b>24122</b>	SIZE <b>A3</b>	UNITS <b>m</b>
COUNCIL RAL/MCU NO.		
COUNCIL OW NO.		
DRAWING NO. <b>C-105</b>	ISSUE <b>D</b>	





Horiz Curve Data

Vertical Geometry Grade (%)  
Vertical Grade Length  
Vertical Curve Length (m)  
Vertical Curve K Value

DATUM R.L. 226.50

DEPTH TO NATURAL SURFACE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DESIGN HEIGHT	232.372	232.401	232.420	232.424	232.429	232.425	232.409	232.398	232.346	232.315	232.015	231.411	231.116	230.880	230.583	230.269	230.033	229.774	229.498	229.233	228.966	228.718
NATURAL SURFACE	232.372	232.401	232.420	232.424	232.429	232.425	232.409	232.398	232.346	232.316	232.016	231.411	231.116	230.880	230.583	230.269	230.033	229.774	229.498	229.233	228.966	228.718
CHAINAGE	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	208.923

HORIZONTAL SCALE 1:800  
VERTICAL SCALE 1:80

NOTE: FIGURED DIMENSIONS TO TAKE  
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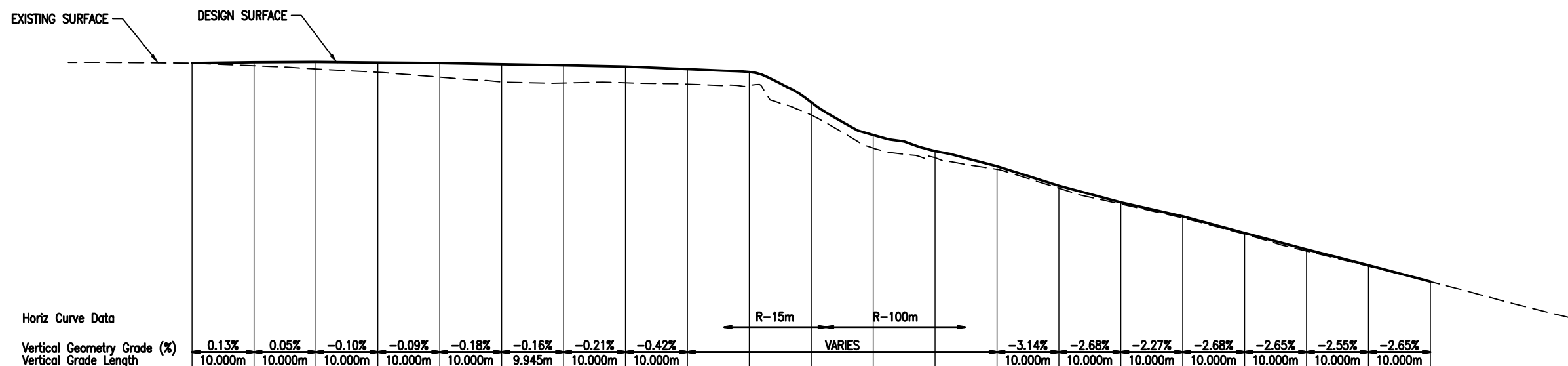


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PROJECT  
KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605  
TITLE  
LONGITUDINAL SECTION - MC01A

PROJECT NO.	24122	SIZE	A3	UNITS	m
COUNCIL RAL/MCU NO.					
COUNCIL OWN NO.					
DRAWING NO.				ISSUE	
C-106				D	

Status: For Construction

[illegible]

HORIZONTAL SCALE 1:800  
VERTICAL SCALE 1:80

										<p>NOTE: FIGURED DIMENSIONS TO TAKE PRECEDENCE OVER SCALED MEASUREMENTS. VERIFY ALL ON SITE DIMENSIONS &amp; LEVELS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. COPYRIGHT OF THIS DRAWING IS VESTED WITH ATC CONSULTING ENGINEERS AND PROJECT MANAGERS.</p>										<div></div>										<p>CLIENT</p> <p>WILSON PORK CO.</p> <p>WINDERA QLD 4605</p>										<p>PROJECT</p> <p>KRATZMANNS ROAD / MURGON - GAYNDAH ROAD INTERSECTION UPGRADE</p> <p>WINDERA QLD 4605</p>										<table><tr><td>PROJECT NO.</td><td>24122</td><td>SIZE</td><td>A3</td><td>UNITS</td><td>m</td></tr><tr><td colspan="6">COUNCIL RAL/MCU NO.</td></tr><tr><td colspan="6">COUNCIL OW NO.</td></tr></table>										PROJECT NO.	24122	SIZE	A3	UNITS	m	COUNCIL RAL/MCU NO.						COUNCIL OW NO.											
PROJECT NO.	24122	SIZE	A3	UNITS	m																																																																														
COUNCIL RAL/MCU NO.																																																																																			
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<table><tr><td>D</td><td>ISSUE FOR CONSTRUCTION</td><td>09/07/2025</td><td>PDG</td><td>PDG</td><td>CG</td><td>AKC</td></tr><tr><td>C</td><td>REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION</td><td>03/10/2024</td><td>PDG</td><td>PDG</td><td>CG</td><td>AKC</td></tr><tr><td>B</td><td>REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION</td><td>30/08/2024</td><td>PDG</td><td>PDG</td><td>AKC</td><td>AKC</td></tr><tr><td>A</td><td>ISSUE FOR TENDER - NOT FOR CONSTRUCTION</td><td>23/05/2024</td><td>PDG</td><td>PDG</td><td>AKC</td><td>AKC</td></tr></table>										D	ISSUE FOR CONSTRUCTION	09/07/2025	PDG	PDG	CG	AKC	C	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	03/10/2024	PDG	PDG	CG	AKC	B	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	30/08/2024	PDG	PDG	AKC	AKC	A	ISSUE FOR TENDER - NOT FOR CONSTRUCTION	23/05/2024	PDG	PDG	AKC	AKC	<table><tr><td>DATE</td><td>DESCRIPTION</td><td>DATE</td><td>BY</td><td>CHK</td><td>APP</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										DATE	DESCRIPTION	DATE	BY	CHK	APP							<p>TITLE</p> <p>LONGITUDINAL SECTION - MC01</p>										<table><tr><td>DRAWING NO.</td><td>C-107</td><td>ISSUED BY</td><td></td></tr></table>										DRAWING NO.	C-107	ISSUED BY	
D	ISSUE FOR CONSTRUCTION	09/07/2025	PDG	PDG	CG	AKC																																																																													
C	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	03/10/2024	PDG	PDG	CG	AKC																																																																													
B	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	30/08/2024	PDG	PDG	AKC	AKC																																																																													
A	ISSUE FOR TENDER - NOT FOR CONSTRUCTION	23/05/2024	PDG	PDG	AKC	AKC																																																																													
DATE	DESCRIPTION	DATE	BY	CHK	APP																																																																														
DRAWING NO.	C-107	ISSUED BY																																																																																	

Status: For Construction



CONTROL LINE MC02A  
(BITUMEN CUTBACK LINE)



Vertical Geometry Grade (%)  
Vertical Grade Length

Vertical Curve Length (m)  
Vertical Curve K Value

DATUM R.L. 226.50

DEPTH TO																
NATURAL SURFACE		0.000	-0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	-0.000
DESIGN HEIGHT		228.711	228.975	229.251	229.526	229.806	230.077	230.337	230.647	230.926	231.137	231.581	232.071	232.127	232.073	232.052
NATURAL SURFACE		228.711	228.975	229.251	229.526	229.806	230.077	230.337	230.647	230.926	231.137	231.581	232.071	232.127	232.073	232.052
CHAINAGE		0	10	20	30	40	50	60	70	80	90	100	110	120	130	134.532

HORIZONTAL SCALE 1:800  
VERTICAL SCALE 1:80

[illegible]

NOTE: FIGURED DIMENSIONS TO TAKE  
PRECEDENCE OVER SCALED MEASUREMENTS  
VERIFY ALL ON SITE DIMENSIONS & LEVELS  
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CLIENT
--------

**WILSON PORK CO.**  
**WINDERA QLD 4605**

PROJECT
---------

**KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605**

TITLE
-------

**LONGITUDINAL SECTION - MC02A**

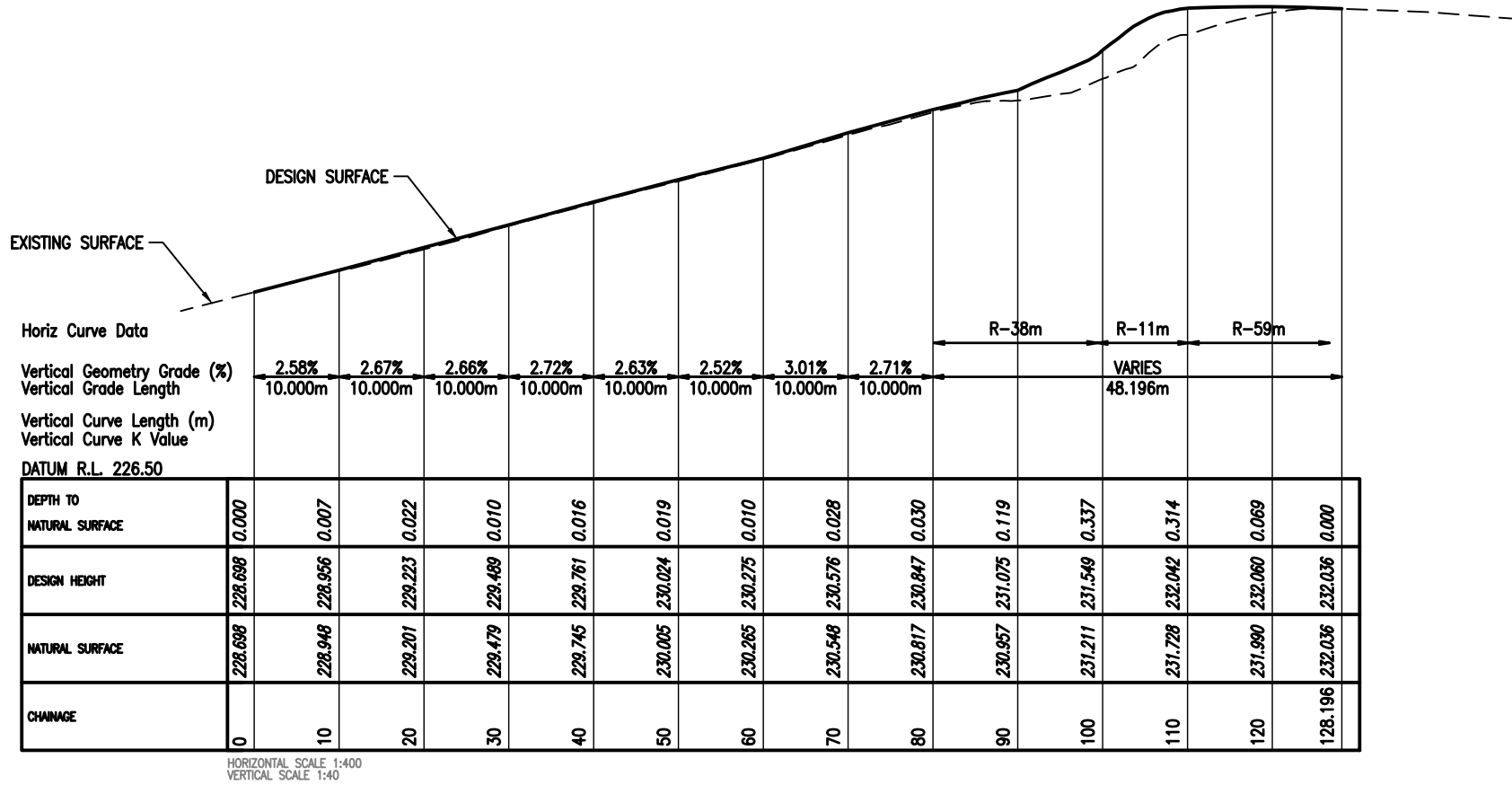
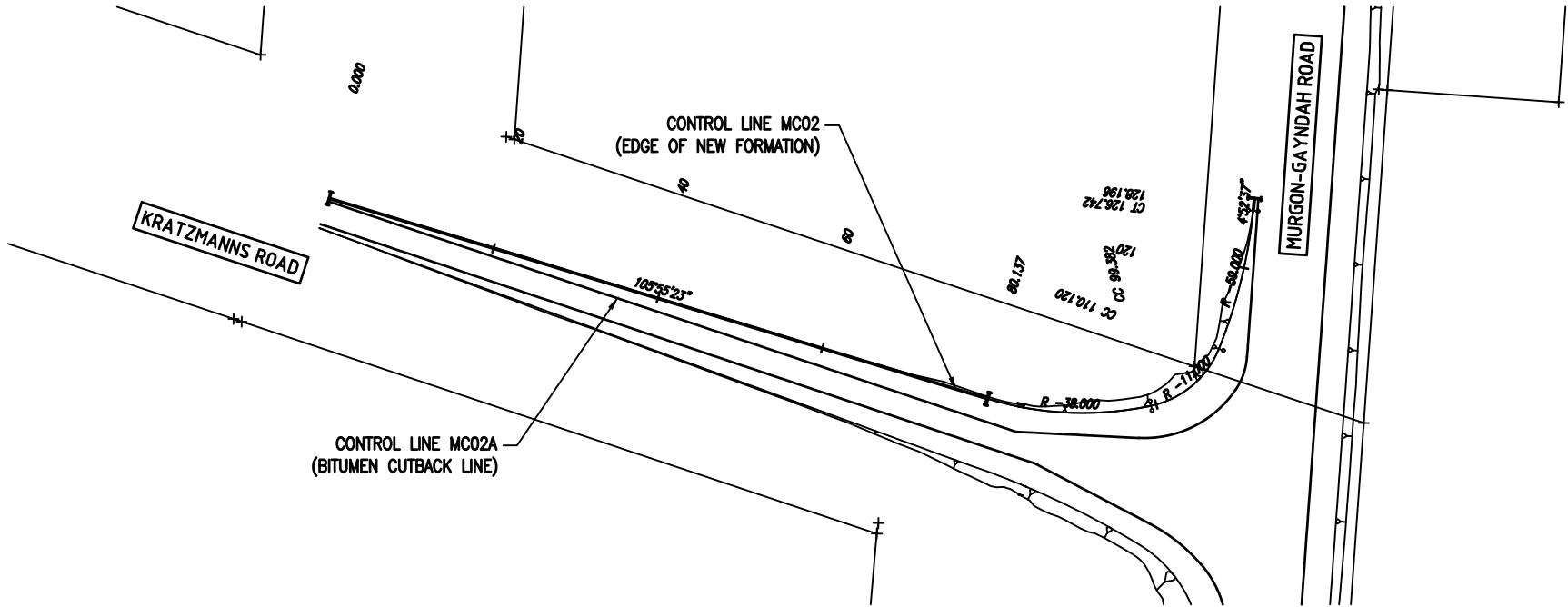
PROJECT NO	SIZE	UNITS
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PROJECT NO. <b>24122</b>	SIZE <b>A3</b>	UNITS <b>m</b>
COUNCIL BAL/MCU NO.		

COUNCIL OW NO. \_\_\_\_\_

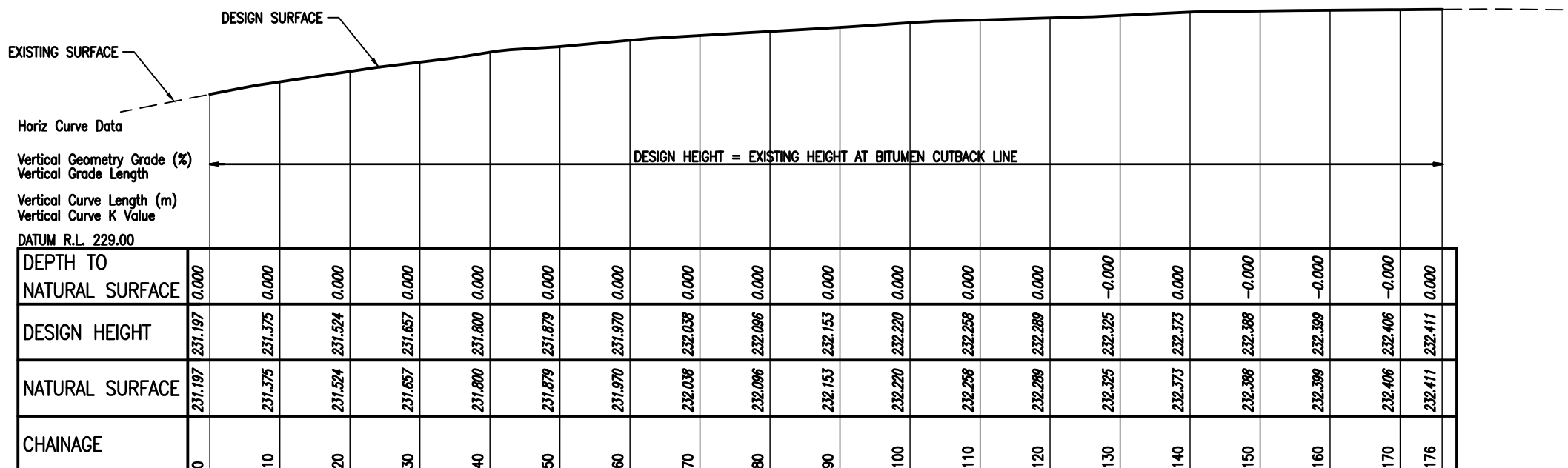
DRAWING NO.	ISSUE
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DRAWING NO. <b>C-108</b>	ISSUE <b>D</b>
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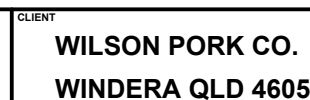


Status: For Construction



HORIZONTAL SCALE 1  
VERTICAL SCALE 1:80

NOTE: FIGURED DIMENSIONS TO TAKE  
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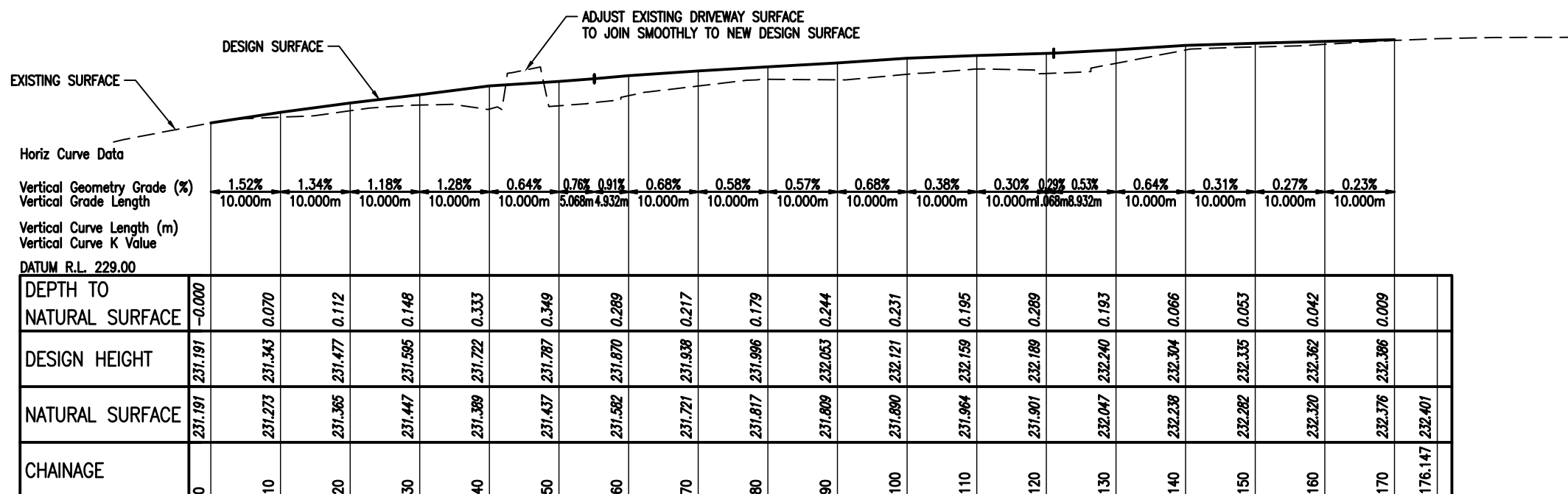


TITLE	LONGITUDINAL SECTION - MC03A
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PROJECT NO. <b>24122</b>	SIZE <b>A3</b>	UNITS <b>m</b>
COUNCIL RAL/MCU NO.		
COUNCIL OW NO.		
DRAWING NO. <b>C-110</b>	ISSUE <b>D</b>	

RPEQ 21623

Status: For Construction

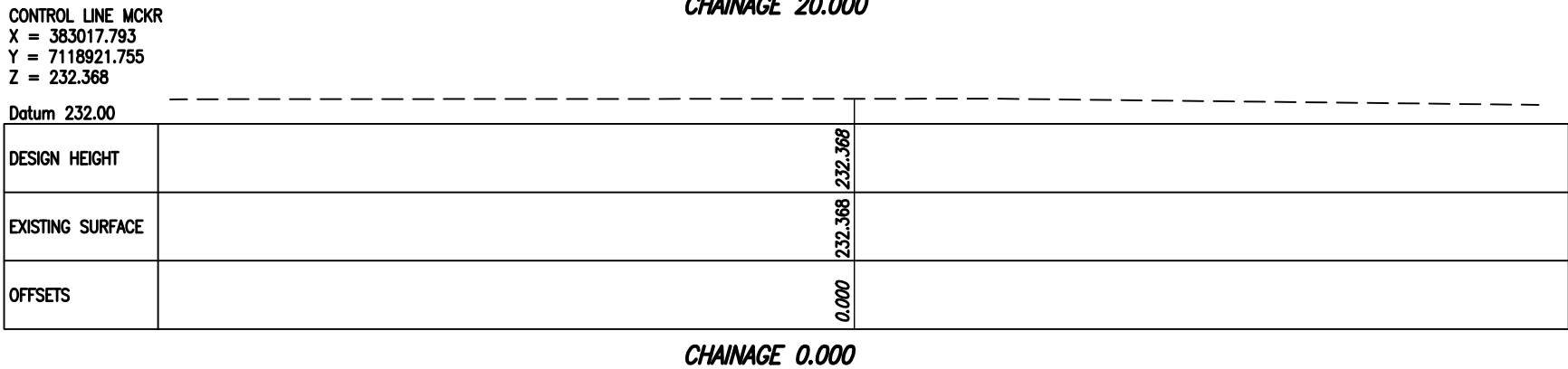
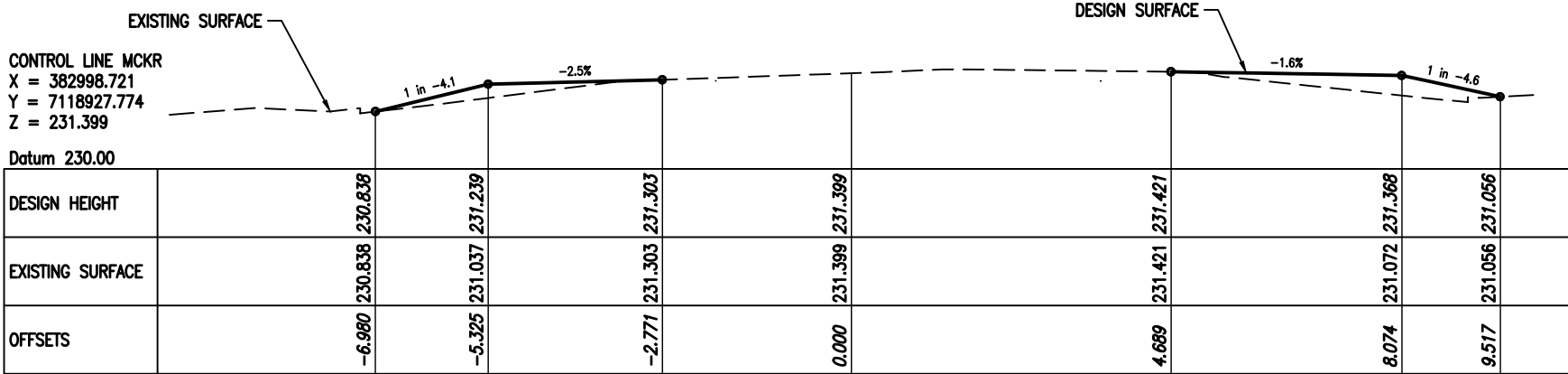
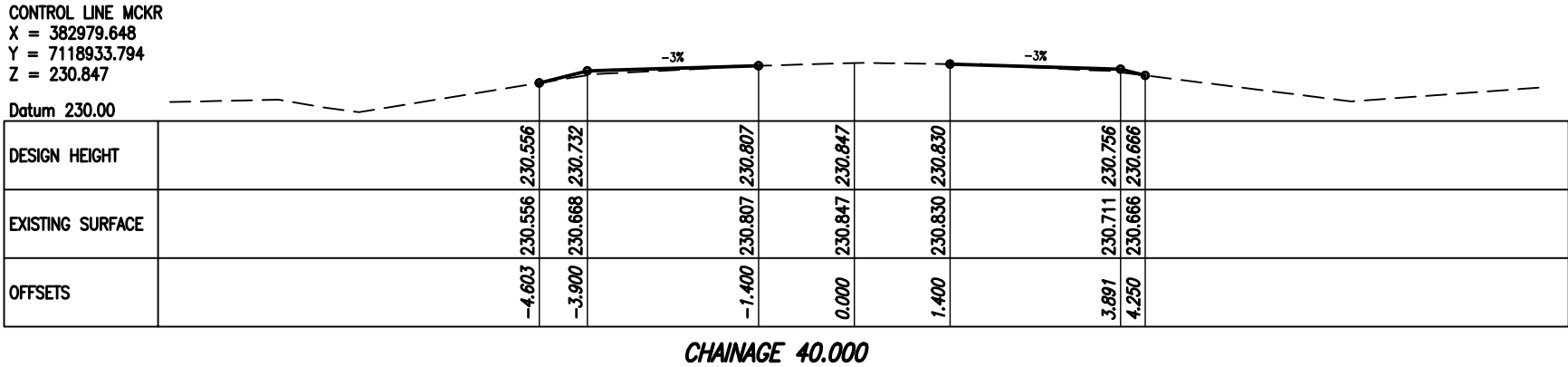
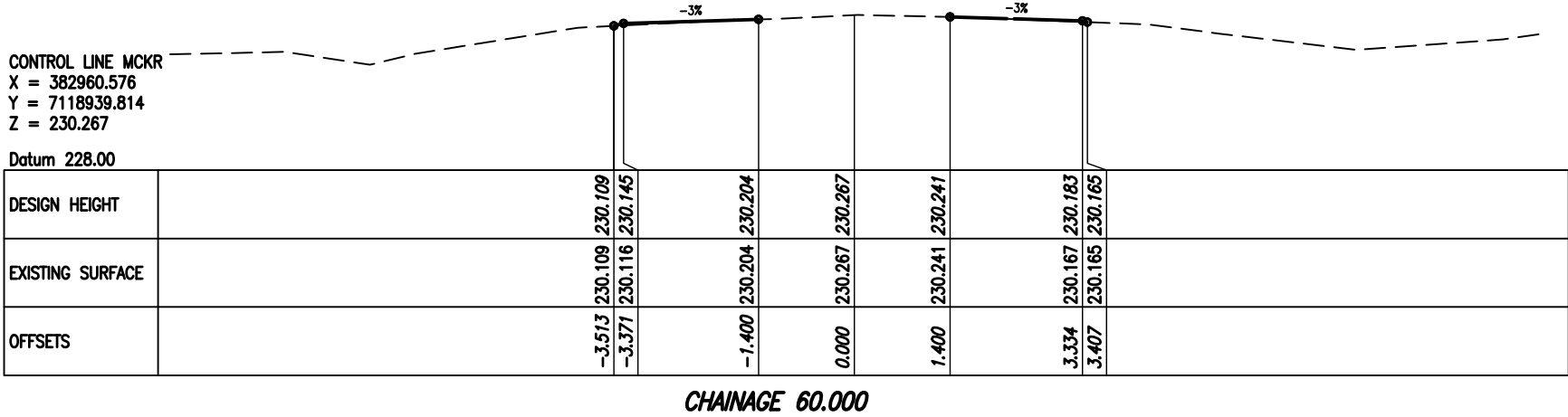
[illegible]

NOTE: FIGURED DIMENSIONS TO TAKE  
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PROJECT	KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD INTERSECTION UPGRADE WINDERA QLD 4605
TITLE	LONGITUDINAL SECTION - MC03

PROJECT NO. <b>24122</b>	SIZE <b>A3</b>	UNITS <b>m</b>
COUNCIL RAL/MCU NO.		
COUNCIL OW NO.		
DRAWING NO. <b>C-111</b>	ISSUE <b>D</b>	



NOTE: FIGURED DIMENSIONS TO TAKE  
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ENGINEERS AND PROJECT MANAGERS.



CLIENT  
WILSON PORK CO.  
WINDERA QLD 4605

PROJECT  
KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605

PROJECT NO.	24122	SIZE	A3	UNITS	m
COUNCIL RAL/MCU NO.					
COUNCIL OW NO.					
DRAWING NO.	C-112	ISSUE		D	

TITLE  
CROSS SECTIONS - KRATZMANN'S ROAD (1/2)

Status: For Construction

Datum 226.00

DESIGN HEIGHT		228.710	228.718	228.751	228.711	228.698
EXISTING SURFACE		228.710	228.718	228.751	228.711	228.698
OFFSETS		-1.883	-1.400	0.000	1.400	1.770

**CHAINAGE 116.218**

Datum 228,00

DESIGN HEIGHT				229.111	229.134	229.161		229.189		229.146	229.121	229.093	
EXISTING SURFACE				229.111	229.118	229.161		229.189		229.146	229.102	229.093	
OFFSETS				-2.407	-2.312	-1.400		0.000		1.400	2.221	2.333	

CHAINAGE 100.000

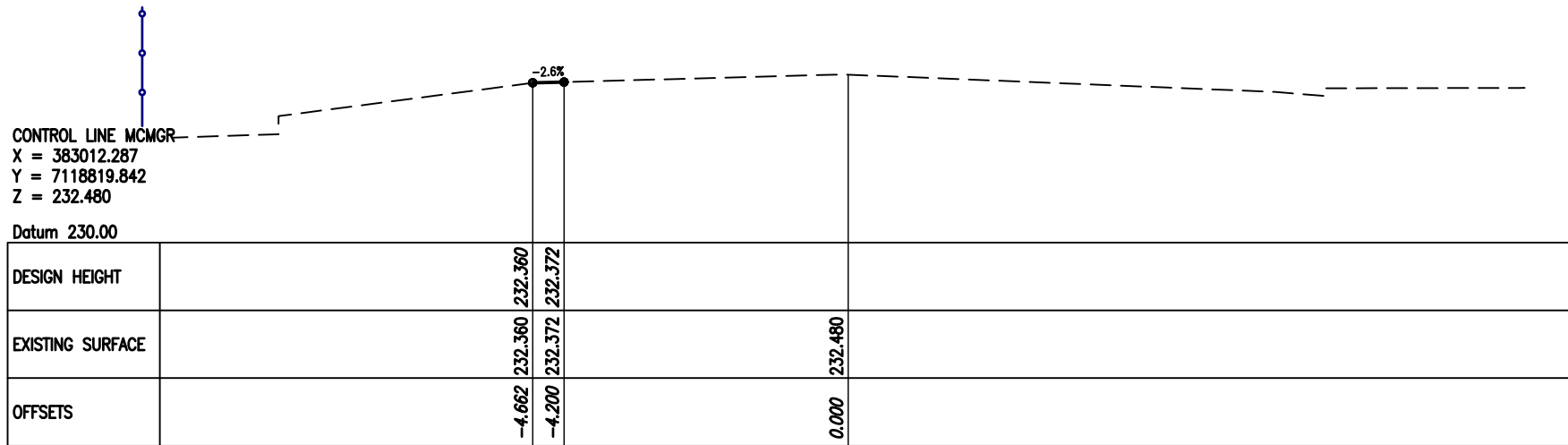
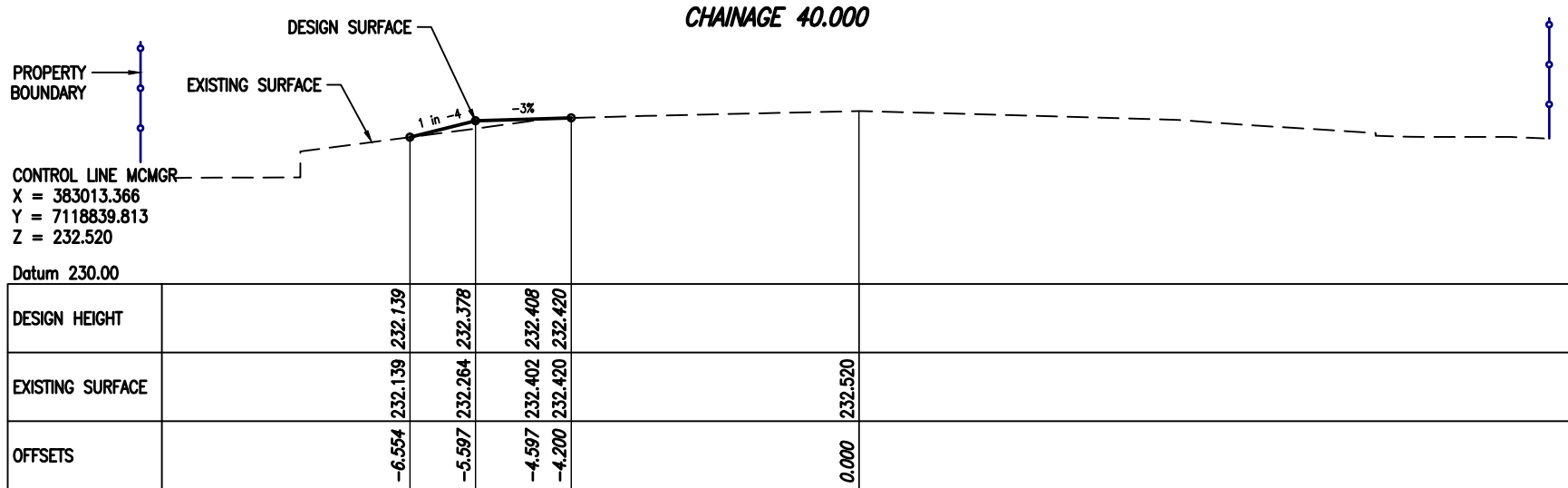
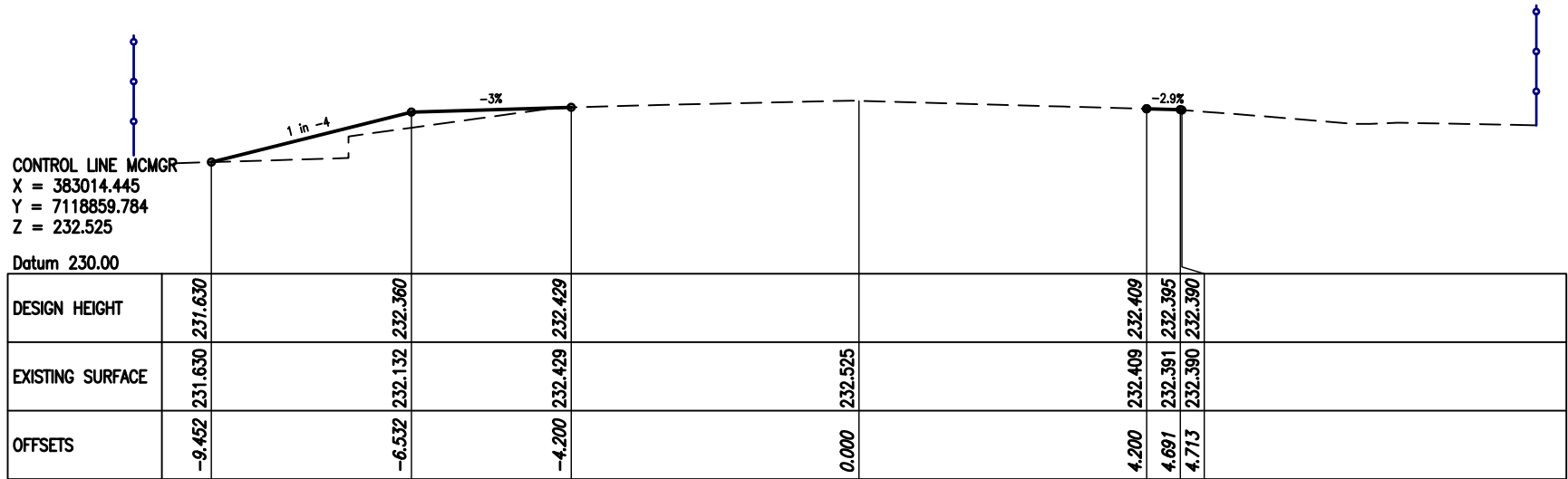
EXISTING SURFACE — DESIGN SURFACE

Datum 228.00

Station 229.00																	
DESIGN HEIGHT					229.633	229.633	229.656		229.699		229.734		229.700		229.659	229.641	
EXISTING SURFACE					229.633	229.638			229.699		229.734		229.700		229.645	229.641	
OFFSETS					-2.833	-2.842			-1.400		0.000		1.400		2.778	2.847	

**CHAINAGE 80.000**

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Status: For Construction

[illegible]

NOTE: FIGURED DIMENSIONS TO TAKE  
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CLIENT  
**WILSON PORK CO.**  
**WINDERA QLD 4605**

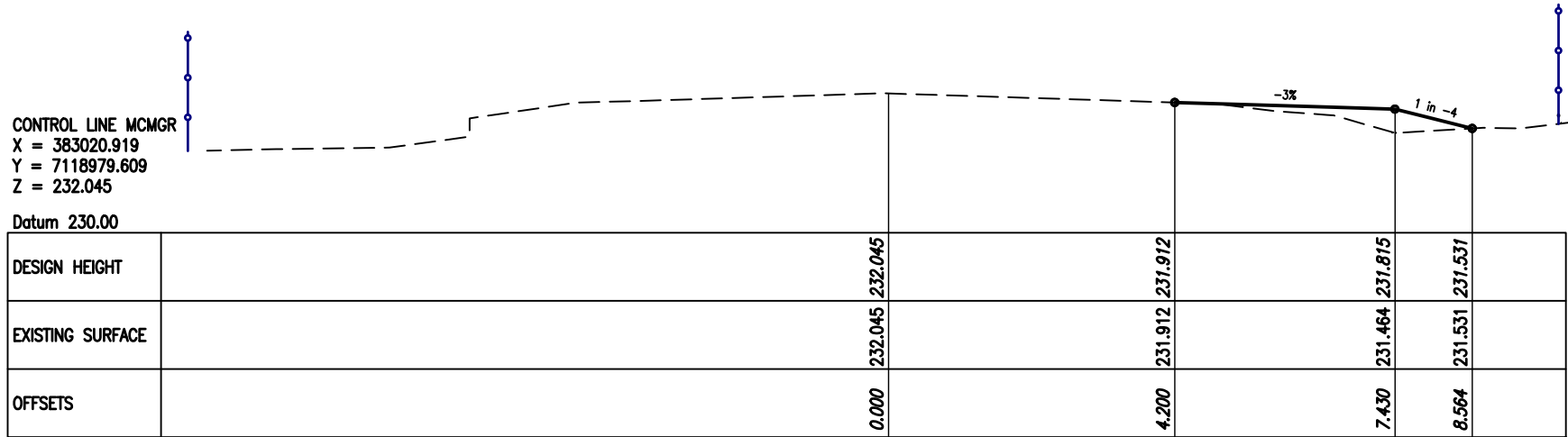
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TITLE	CROSS SECTIONS - MURGON-GAYNDAH ROAD (2/4)
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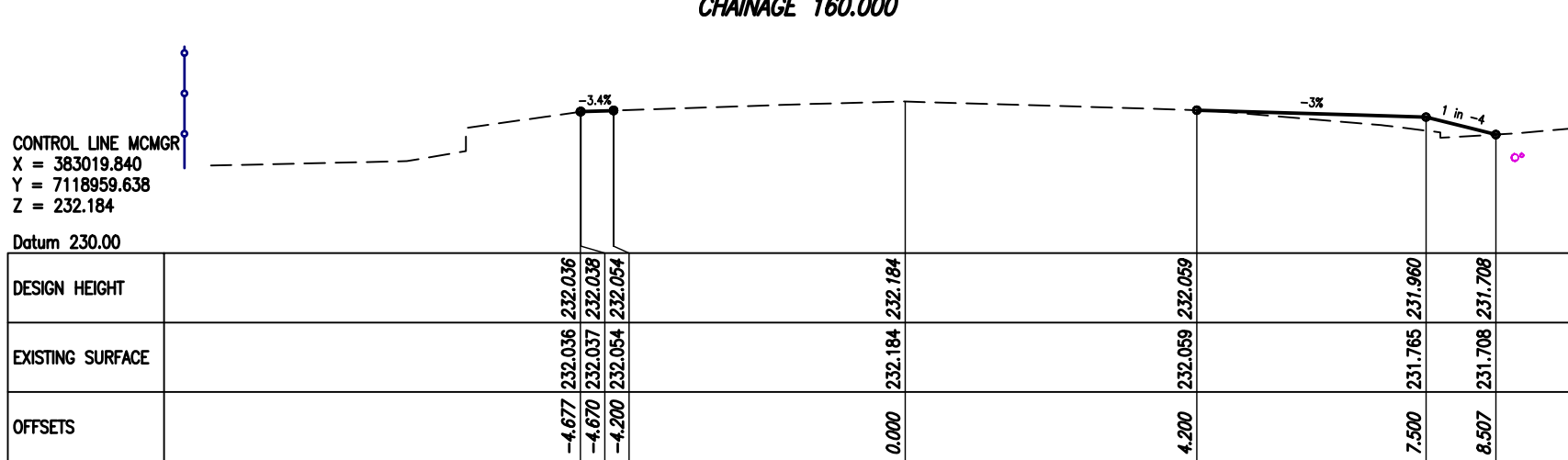
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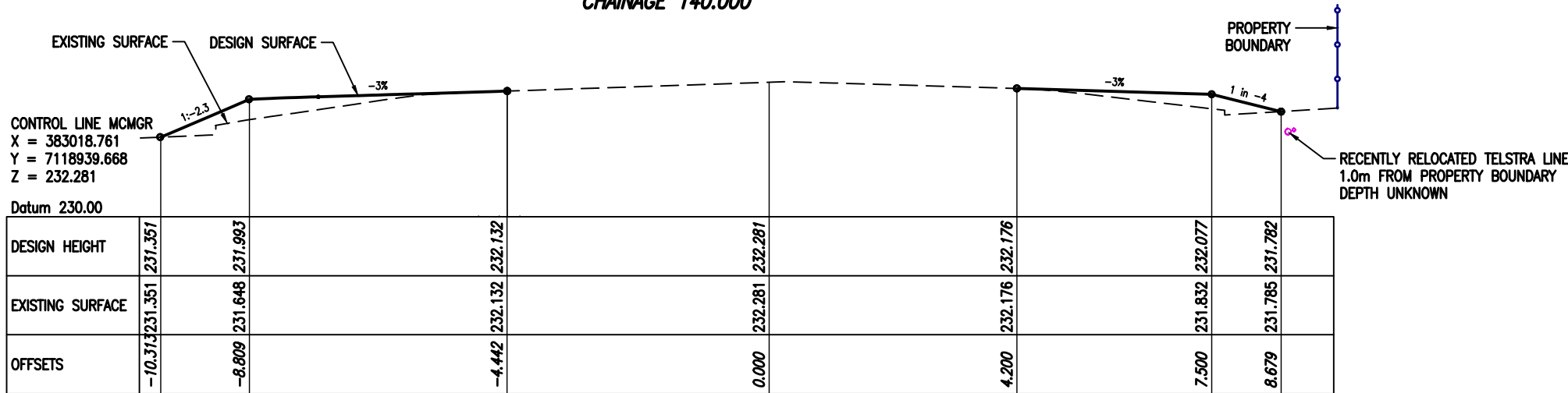
DRAWING NO. <b>C-115</b>	ISSUE <b>D</b>
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CHAINAGE 160.000



CHAINAGE 140.000



CHAINAGE 120.000

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C	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	03/10/2024	PDG	PDG	CG	AKC	
B	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	30/08/2024	PDG	PDG	AKC	AKC	
A	ISSUE FOR TENDER - NOT FOR CONSTRUCTION	23/05/2024	PDG	PDG	AKC	AKC	
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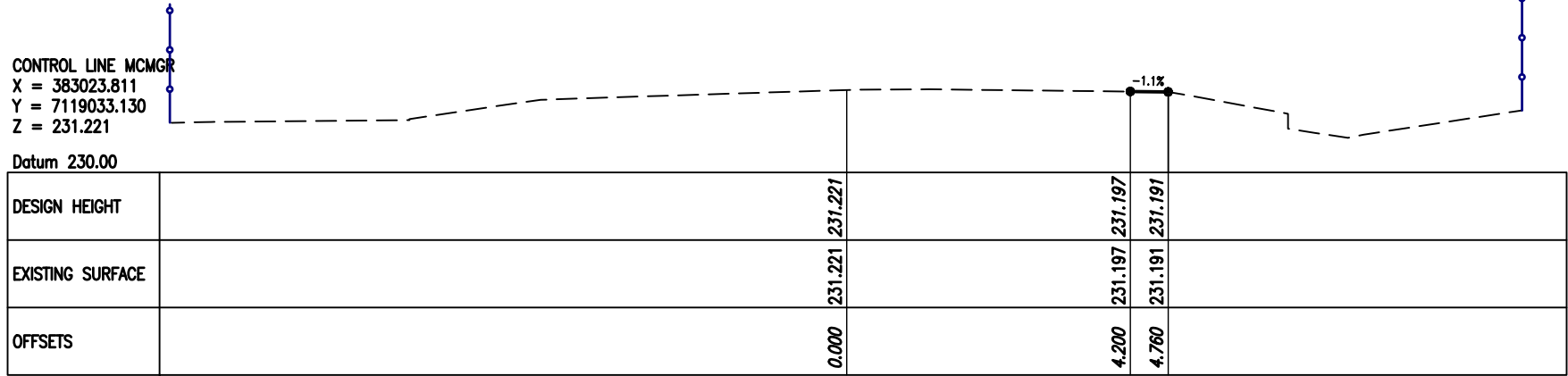
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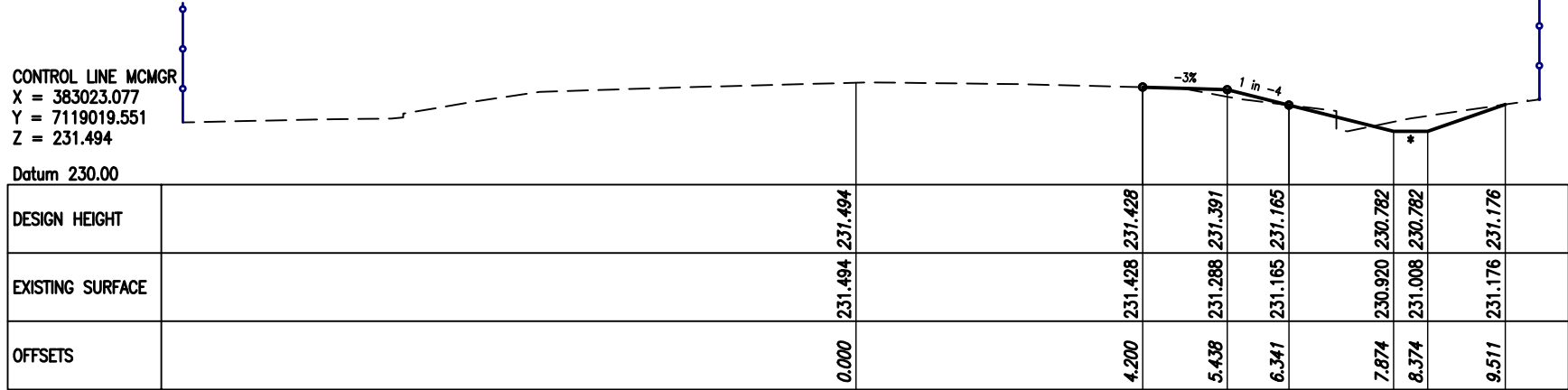
CLIENT	WILSON PORK CO. WINDERA QLD 4605
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PROJECT	KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD INTERSECTION UPGRADE WINDERA QLD 4605	PROJECT NO. 24122	SIZE A3	UNITS m
TITLE	CROSS SECTIONS - MURGON-GAYNDAH ROAD (3/4)	COUNCIL OW NO.		
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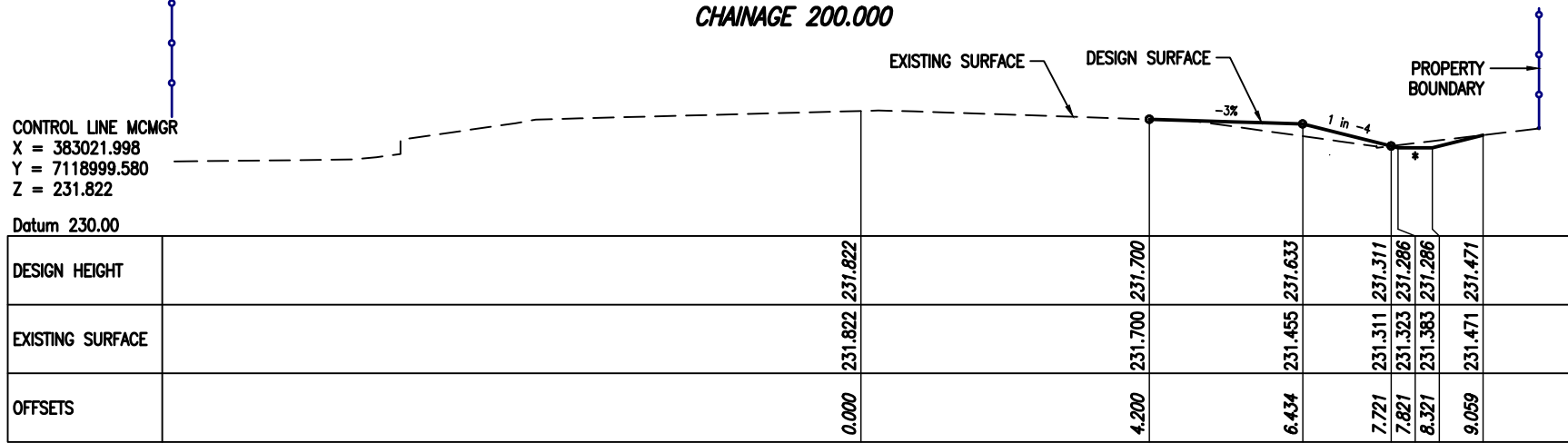




CHAINAGE 213.598



\* CONSTRUCT TRAPEZOIDAL DRAIN DOWNSTREAM (NORTH)  
OF EXISTING TELSTRA EXCHANGE CROSSOVER CULVERT  
AND TRANSITION TO JOIN SMOOTHLY TO EXISTING AT  
END CHAINAGE



CHAINAGE 180.000

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CLIENT  
WILSON PORK CO.  
WINDERA QLD 4605

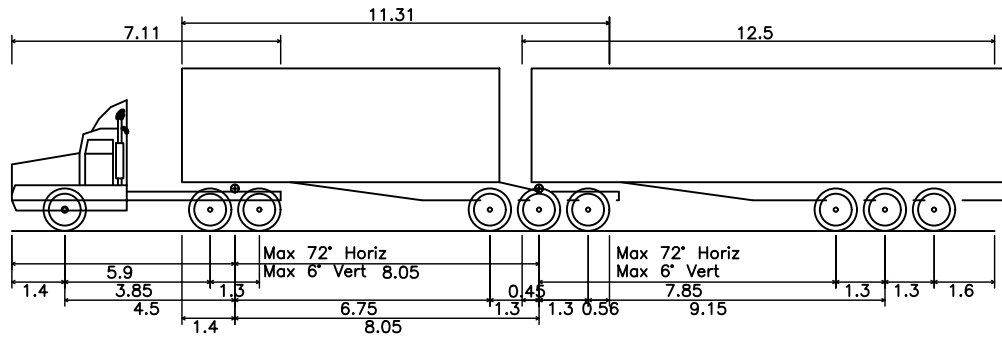
PROJECT  
KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605

PROJECT NO.	24122	SIZE	A3	UNITS	m
COUNCIL RAL/MCU NO.					
COUNCIL OW NO.					
DRAWING NO.				ISSUE	
C-117				D	

TITLE  
CROSS SECTIONS - MURGON-GAYNDAH ROAD (4/4)

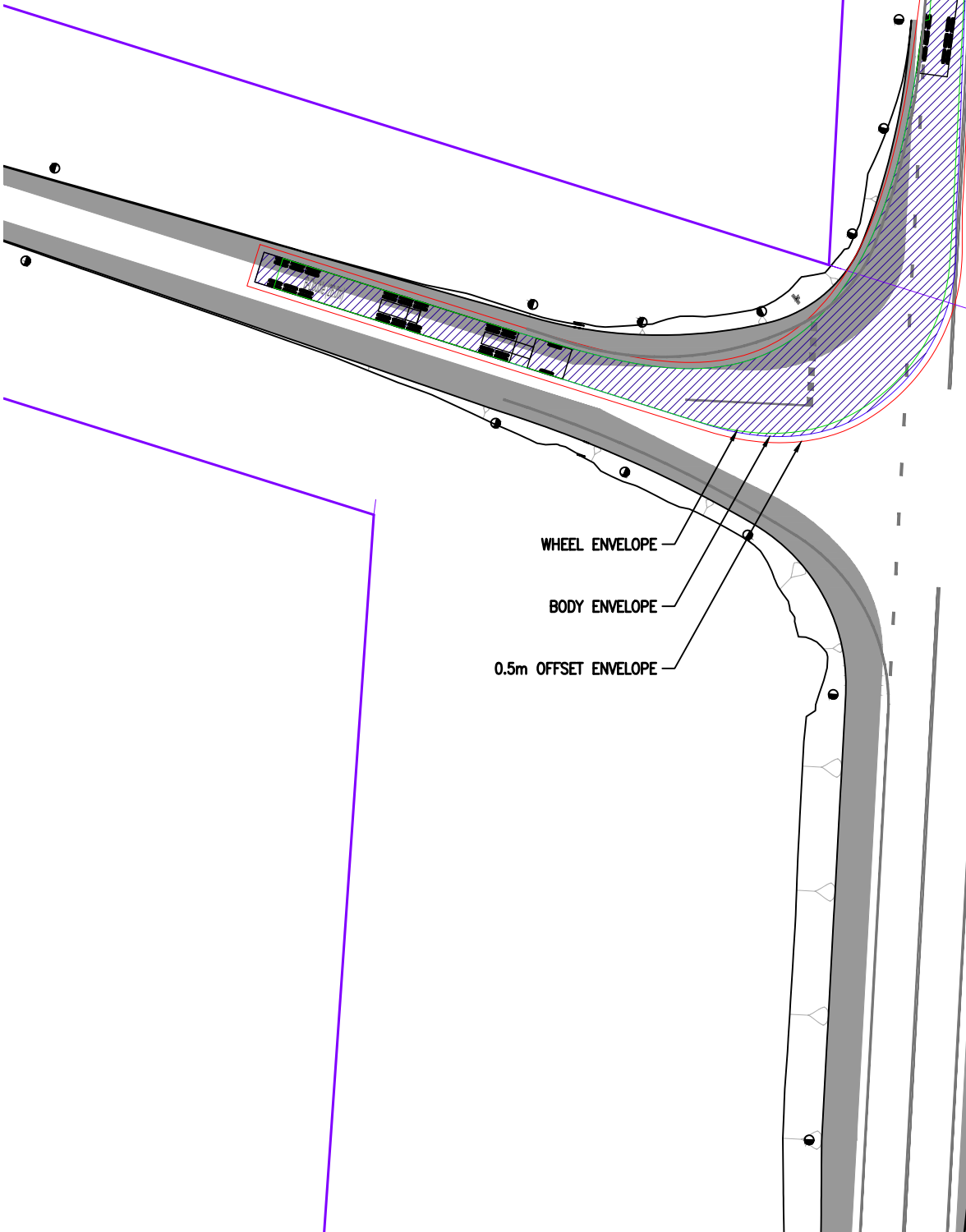
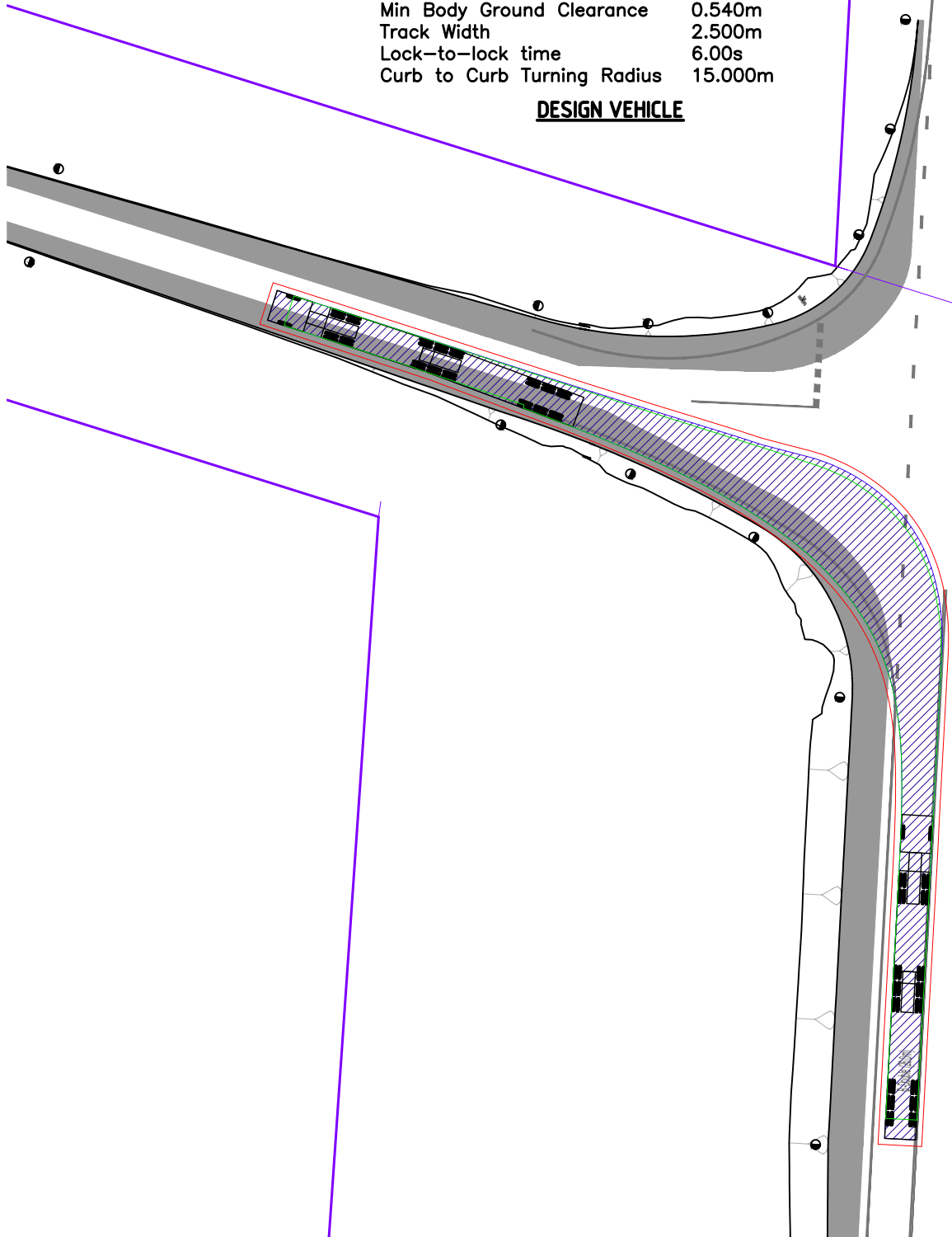


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B-DOUBLE (26.0m)  
Overall Length 26.000m  
Overall Width 2.500m  
Overall Body Height 4.300m  
Min Body Ground Clearance 0.540m  
Track Width 2.500m  
Lock-to-lock time 6.00s  
Curb to Curb Turning Radius 15.000m

**DESIGN VEHICLE**



WHEEL ENVELOPE  
BODY ENVELOPE  
0.5m OFFSET ENVELOPE

Philip DE GUZMAN  
RPEQ 21623  
Date: 09/07/2025  
Status: For Construction

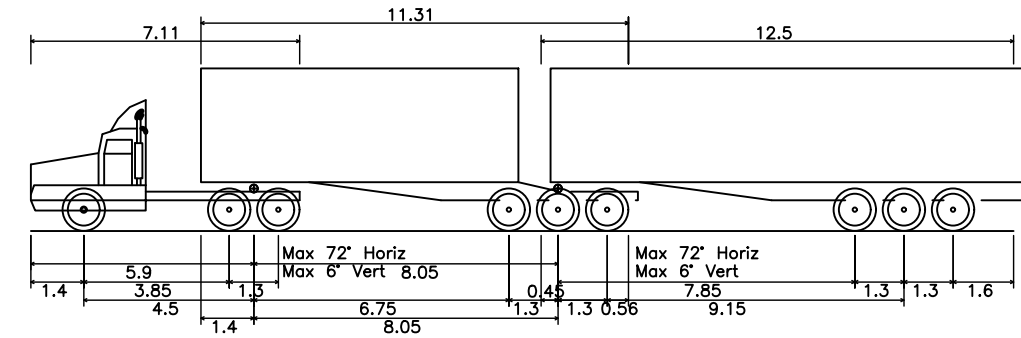
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C	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	03/10/2024	PDG	PDG	CG	AKC
B	REV. ISSUE FOR TENDER - NOT FOR CONSTRUCTION	30/08/2024	PDG	PDG	AKC	AKC
A	ISSUE FOR TENDER - NOT FOR CONSTRUCTION	23/05/2024	PDG	PDG	AKC	AKC

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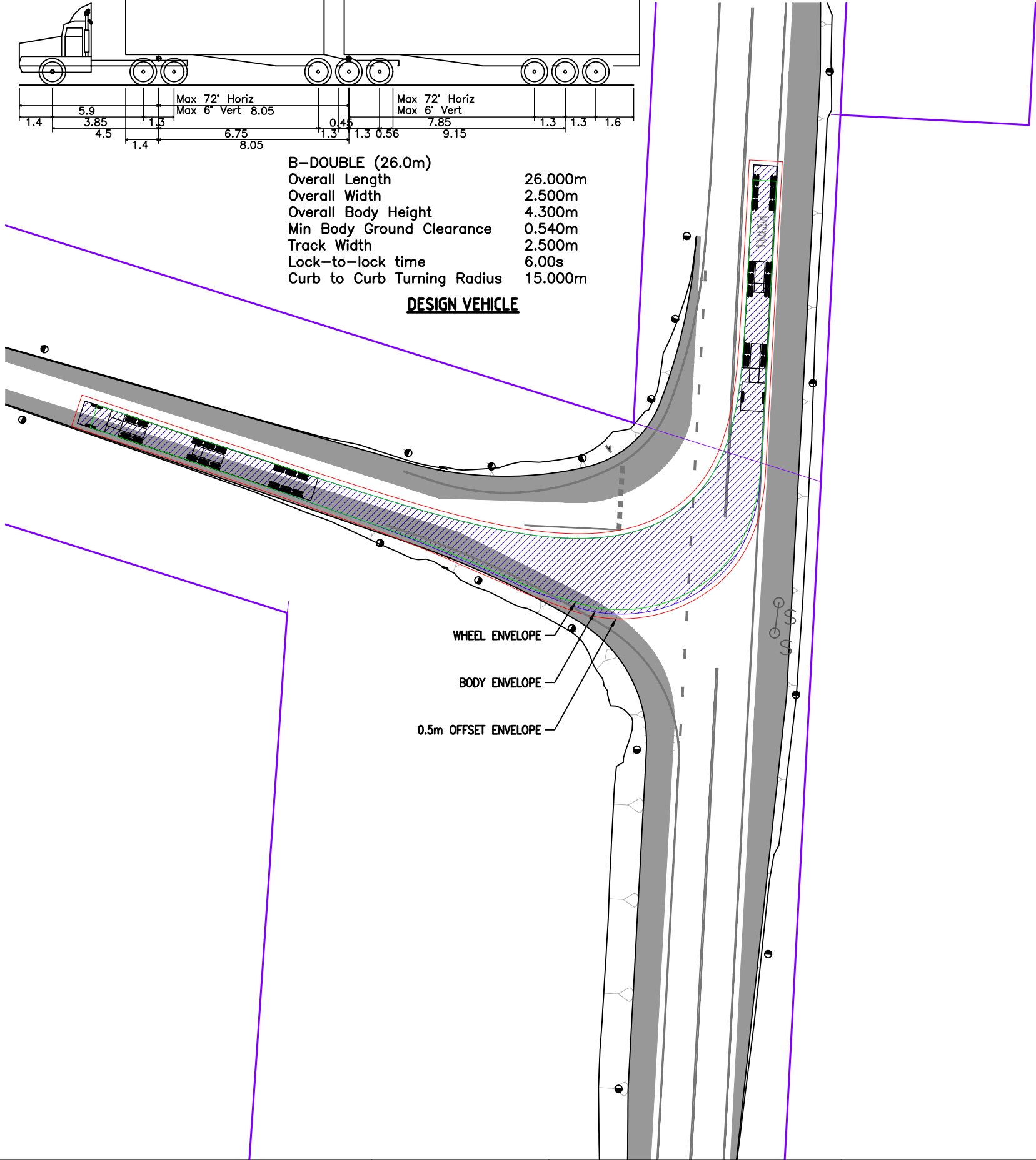
CLIENT  
**WILSON PORK CO.**  
**WINDERA QLD 4605**

PROJECT	TITLE	PROJECT NO.	SIZE	UNITS
<b>KRATZMANNS ROAD / MURGON - GAYNDAH ROAD INTERSECTION UPGRADE</b> <b>WINDERA QLD 4605</b>		<b>24122</b>	<b>A3</b>	<b>m</b>
		COUNCIL RAL/MCU NO.		
		COUNCIL OW NO.		
		DRAWING NO.	ISSUE	
		<b>C-120</b>	<b>D</b>	



B-DOUBLE (26.0m)  
Overall Length 26.000m  
Overall Width 2.500m  
Overall Body Height 4.300m  
Min Body Ground Clearance 0.540m  
Track Width 2.500m  
Lock-to-lock time 6.00s  
Curb to Curb Turning Radius 15.000m

DESIGN VEHICLE



NOTE: FIGURED DIMENSIONS TO TAKE  
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CLIENT  
WILSON PORK CO.  
WINDERA QLD 4605

PROJECT  
KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD  
INTERSECTION UPGRADE  
WINDERA QLD 4605  
TITLE  
VEHICLE TURN PATHS (2/2)

PROJECT NO.	24122	SIZE	A3	UNITS	m
COUNCIL RAL/MCU NO.					
COUNCIL OWN NO.					
DRAWING NO.	C-121	ISSUE		D	

Status: For Construction

1. NEW PAVEMENT MARKINGS (SHOWN WHITE) AND SIGNS TO BE IN ACCORDANCE WITH QLD MUTCD.
2. EXISTING LINEMARKINGS (SHOWN GREY AND DENOTED BY 'EX') ARE TO REMAIN, EXCEPT THOSE AFFECTED BY THE PROPOSED WORKS ARE TO BE RE-LINEMARKED. ALL REDUNDANT LINEMARKINGS ARE TO BE REMOVED.

[illegible]

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PROJECT	KRATZMANN'S ROAD / MURGON - GAYNDAH ROAD INTERSECTION UPGRADE WINDERA QLD 4605
TITLE	LINEMARKING AND SIGNS

PROJECT NO. <b>24122</b>	SIZE <b>A3</b>	UNITS <b>m</b>
COUNCIL RAL/MCU NO.		
COUNCIL OW NO.		
DRAWING NO. <b>C-122</b>	ISSUE <b>D</b>	



# KRATZMANN'S ROAD - ROAD WIDENING



SCALE  1: 1000 (A1 UNREDUCED)

## DRAWING INDEX

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LOCALITY PLAN

## REVISIONS

[illegible]

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Client

JAMZ & Co Investments  
Pty Ltd

Project

KRATZMANN'S ROAD -  
ROAD WIDENING



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Approved Director - RPFQ 17544

M. Shaw

Mark Andrew Shaw BEng  
(Civil), MIEAust, RPEQ 17544  
2019.10.22 11:38:18 +10'00'

Drawing Title

LOCALITY PLAN,  
DRAWING INDEX

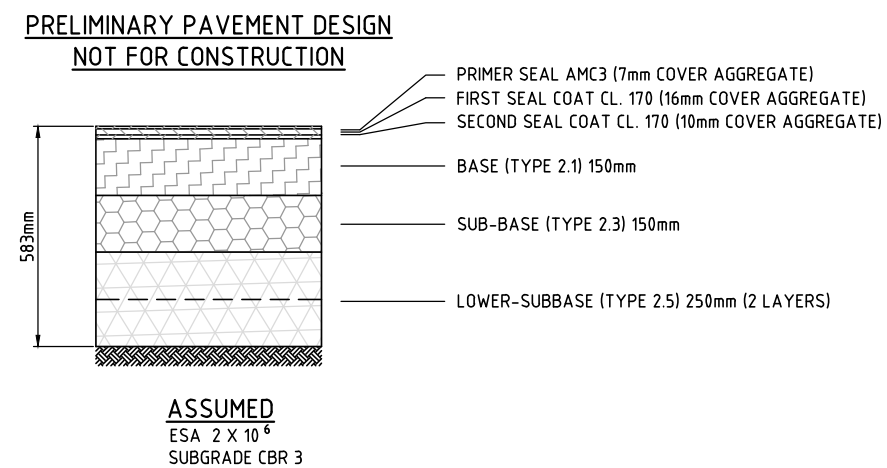
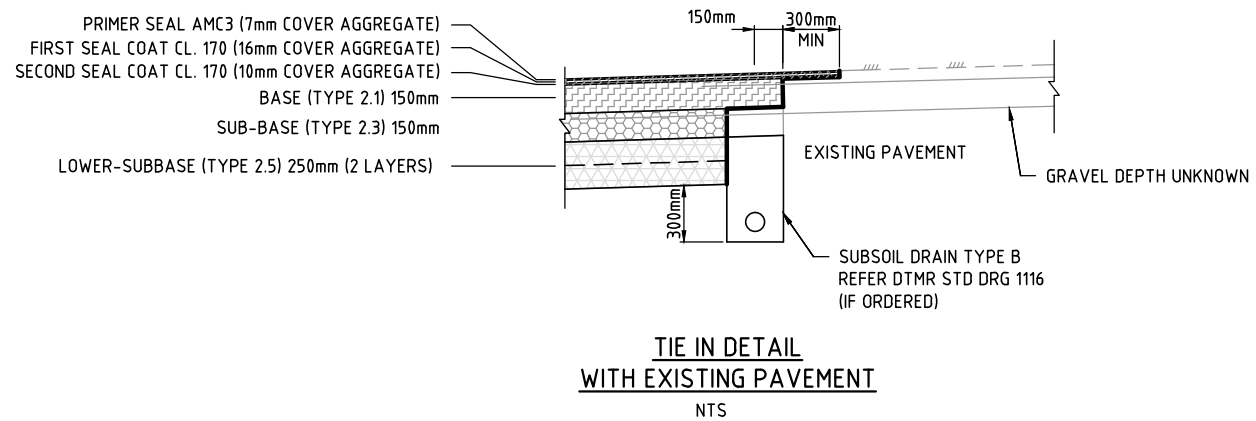
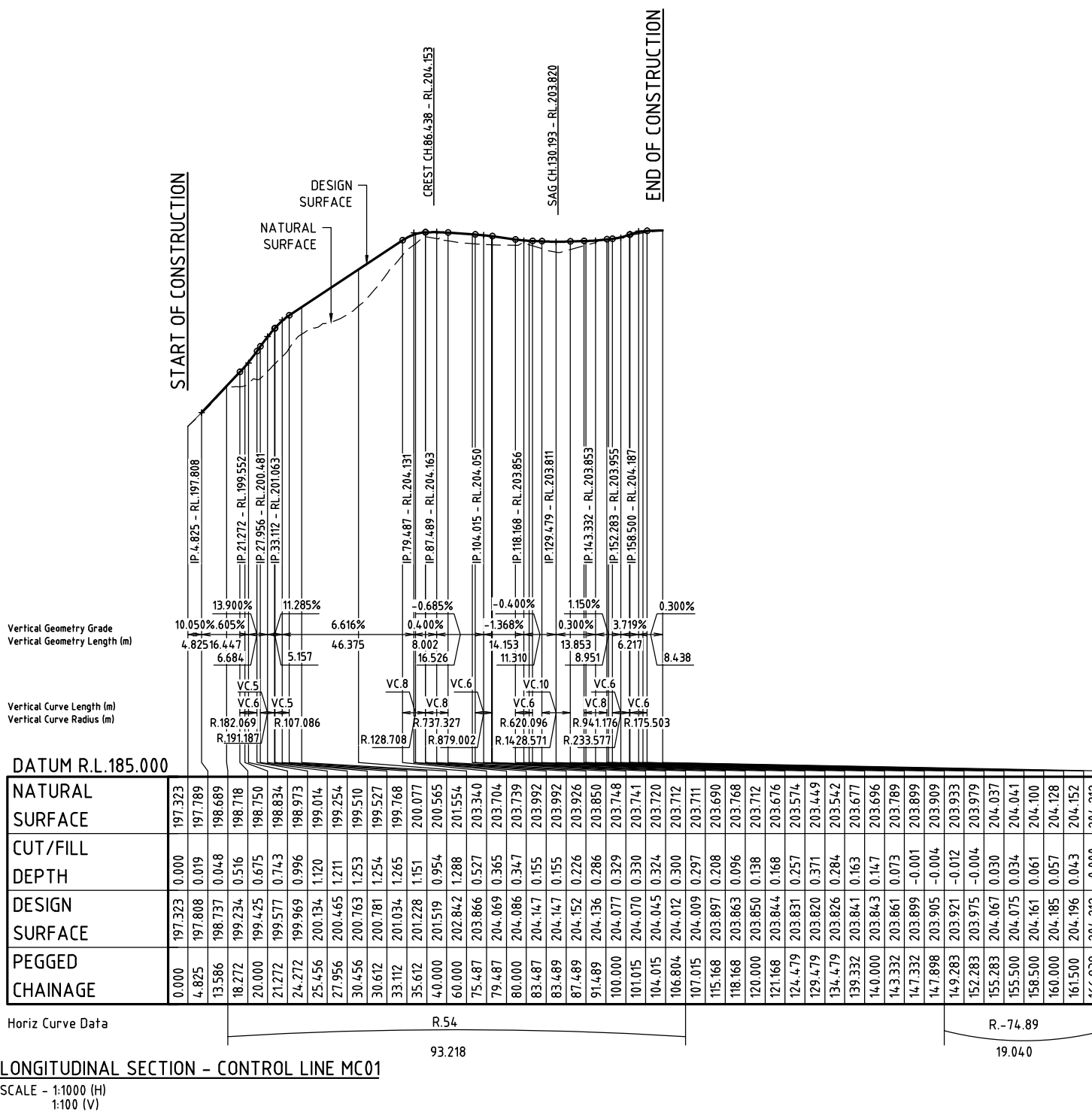
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A1	Drawing No 19-184-01		Revision A











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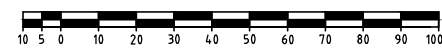
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(Civil), MIEAust, RPEQ 17544  
2019.10.22 11:39:16 +10'00'

Drawing Title

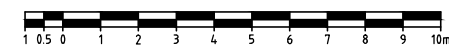
ROADWORKS  
LONGITUDINAL SECTION  
CONTROL LINE MC01

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN			Sheet 04 of 11
A1	Drawing No 19-184-04		Revision A

SCALE A 1:1000  
(Horiz.)



B 1:100  
(Vert.)



(A1 UNREDUCED)



## REVISIONS

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# KRATZMANN'S ROAD - ROAD WIDENING



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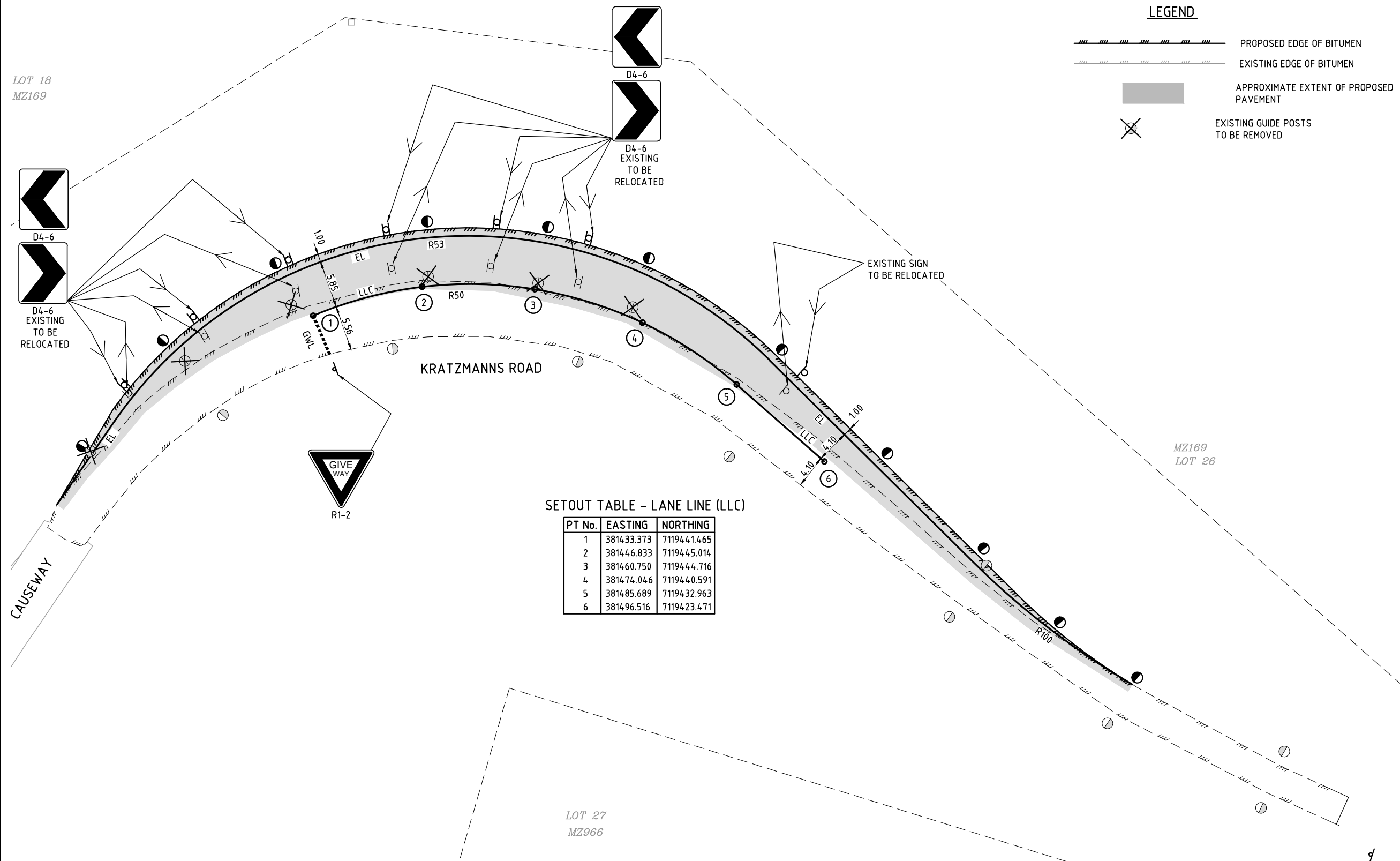
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2019.10.22 11:39:54 +10'00'

Drawing Title

## ROAD WIDENING LINE MARKING

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN			Sheet 06 of 11
A1	Drawing No 19-184-06		Revision A



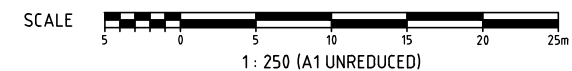
### LINEMARKING LEGEND

The diagram illustrates the vertical spacing of lane markings. It shows three horizontal lines: a solid black line at the top labeled 'LANE LINE (LLC)', a dashed black line in the middle labeled 'GIVE WAY LINE (GWL)', and a solid black line at the bottom labeled 'EDGE LINE (EL)'. The vertical distance between the LANE LINE and the GIVE WAY LINE is 100mm. The vertical distance between the GIVE WAY LINE and the EDGE LINE is 30mm. A horizontal dimension of 600mm is indicated between the first and second segments of the dashed GIVE WAY LINE, labeled '600mm STRIPE AND GAP'.

GUIDE POSTS (TUBULAR STEEL)  
FOR CONSTRUCTION DETAILS REFER  
DTMR STD DRG 1356 AND MUTCD  
(PART 2 - SECT. 4.2.4.4)

### ROAD LINEMARKING DETAIL

SCALE 1:250







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LOCALITY PLAN

## REVISIONS

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2019.10.22 11:40:13 +10'00'

Drawing Title
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## ROAD WIDENING SIGHT DISTANCE AND TREE CLEARING

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN			Sheet 07 of 11
A1	Drawing No 19-184-07		Revision A

PLAN  
SCALE 1:500

SCALE 





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KRATZMANN'S ROAD -  
ROAD WIDENING



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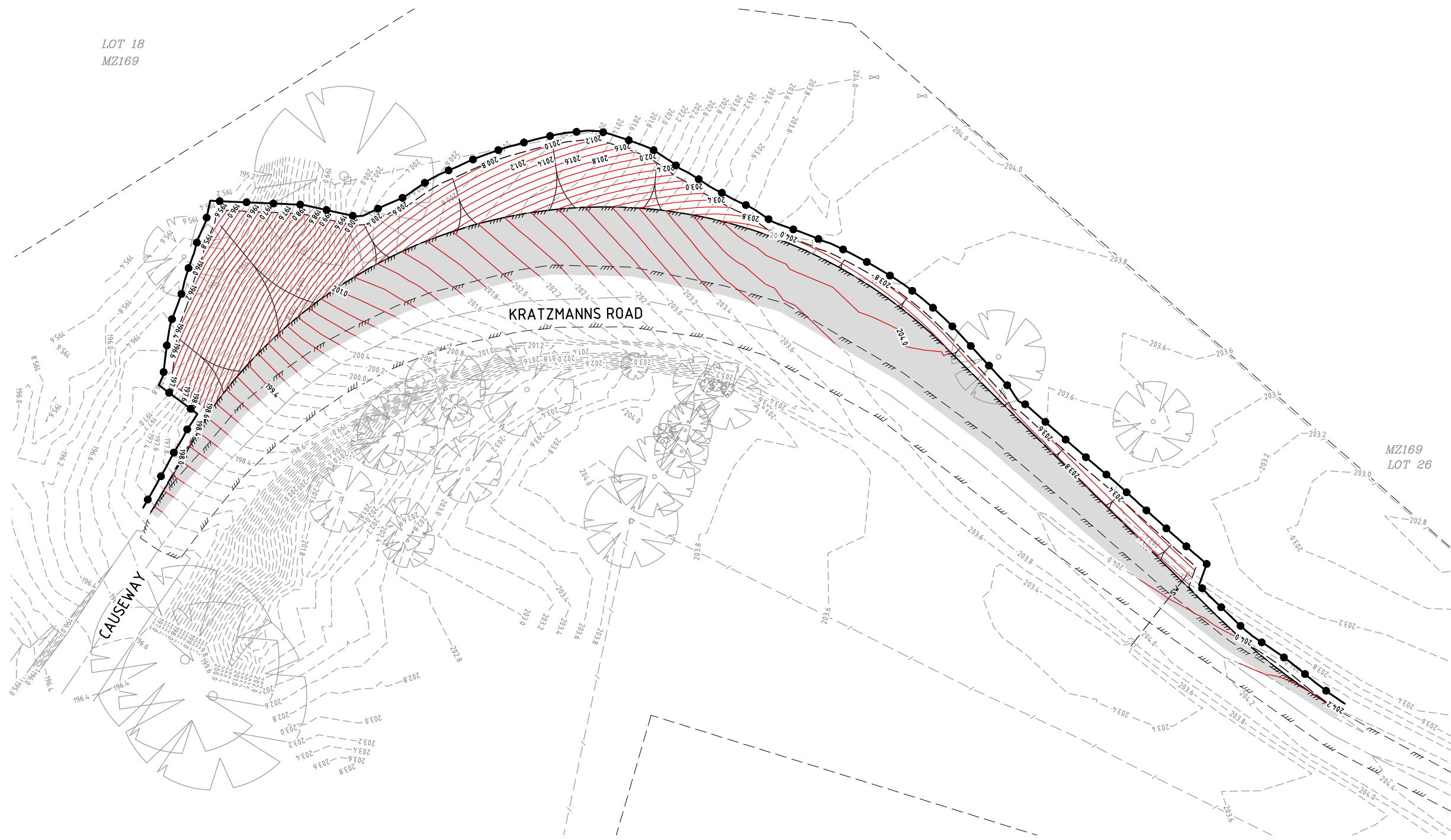
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(Civil), MIEAust, RPEQ 17544  
2019.10.22 11:40:52 +10'00'

Drawing Title

SEDIMENT AND EROSION  
CONTROL PLAN

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN			Sheet 09 of 11
A1	Drawing No 19-184-09		Revision A




## SEDIMENT AND EROSION CONTROL PLAN

SCALE 1:250

LEGEND

- 
- Sw — PROPOSED STORMWATER DRAINAGE
- 231.6 — DESIGN SURFACE CONTOURS
- - - 232.0 - - - EXISTING SURFACE CONTOURS
- SEDIMENT AND DIVERSION FENCE (TEMP)

SCALE  1 : 250 (A1 UNREDUCED)



1. THIS PROGRAM AND ASSOCIATED PLANS SHOULD BE READ IN CONJUNCTION WITH THE SITE MANAGEMENT SPECIFICATION INCORPORATED IN THE CONTRACT DOCUMENTS. THE PROVISIONS OF THE SPECIFICATION ARE TO BE STRICTLY ADHERED TO.
2. THE BASIC OBJECTIVES OF THE EROSION AND SEDIMENT CONTROL ARE:
  - I. IDENTIFY CRITICAL AREAS AND PROVIDE APPROPRIATE ATTENTION TO THOSE AREAS.
  - II. PLAN SITE LAYOUTS SO THAT ACCESS TO ALL REQUIRED DRAINAGE EROSION AND SEDIMENT CONTROL MEASURE IS MAINTAINED.
  - III. LIMIT EXPOSURE TIME BY PROGRAMMING TO MINIMISE THE AREA OF LAND EXPOSED TO POTENTIALLY ADVERSE WEATHER CONDITIONS AT ANY ONE TIME. I.E. PROGRESSIVELY CLEAR AND REVEGETATE.
  - IV. PROVIDE CONTROL MEASURES INCLUDING TEMPORARY AND PERMANENT DRAINAGE, EROSION AND SEDIMENT CONTROLS.
3. THE EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH BEST PRACTICE FOR EROSION AND SEDIMENT CONTROL, THE POLLUTION CONTROL MANUAL FOR URBAN STORMWATER MANAGEMENT, THE QUEENSLAND URBAN DRAINAGE MANUAL, AND THE SOIL EROSION AND SEDIMENT CONTROL - ENGINEERING GUIDELINES FOR QUEENSLAND (CURRENT EDITIONS).
4. CONSTRUCTION SEQUENCE THE CONSTRUCTION SEQUENCE WILL GENERALLY BE:
  - I. OBTAIN ALL NECESSARY PERMITS AND APPROVALS BEFORE SITE ESTABLISHMENTS.
  - II. HOLD A PRE-CONSTRUCTION CONFERENCE.
  - III. STABILISE ALL CONSTRUCTION ACCESS ROUTES AND ENTRY/EXIT POINTS.
  - IV. ESTABLISH SEDIMENT CONTROL STRUCTURES AND TEMPORARY DRAINAGE CONTROL MEASURES AS NECESSARY.
  - V. CARRY OUT BULK EARTHWORKS.
  - VI. MAINTAIN AND REPAIR DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES.
  - VII. REMOVE SEDIMENT CONTROL MEASURES WHEN THE SITE IS STABILISED. I.E. >70% GROUND COVER
  - VIII. THE CONTRACTOR SHALL PREPARE A SUPPLEMENTARY EROSION AND SEDIMENT CONTROL PLAN TO SUIT HIS/HER CONSTRUCTION METHODOLOGY, AND SUBMIT THIS PLAN FOR APPROVAL TO THE SUPERINTENDENT. IT SHOULD BE NOTED THAT ANY SIGNIFICANT VARIATION TO THIS PLAN MAY REQUIRE RESUBMISSION TO COUNCIL FOR APPROVAL. THE CLIENT SHALL NOT BE RESPONSIBLE FOR ANY SUCH ASSOCIATED DELAY.
5. ALL ESC DEVICES ARE TO BE INSPECTED WEEKLY, PRIOR TO EXPECTED AND AFTER RAINFALL ANY DAMAGE IS TO BE REPAIRED AS REQUIRED TO MAINTAIN THEIR EFFICACY.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL (ESC) MEASURE TO BE MAINTAINED AND FULLY OPERATIONAL DURING THE MAINTENANCE PERIOD AND ARE TO BE REMOVED AFTER THE SATISFACTORY COMPLETION OF AN OFF-MAINTENANCE INSPECTION BY COUNCIL AND PRIOR TO FORMAL ACCEPTANCE "OFF MAINTENANCE" BY COUNCIL.
7. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR IS TO PROVIDE A DETAILED PROGRAM TO THE SUPERINTENDENT SHOWING THE TIMING FOR ALL WORKS ASSOCIATED WITH THE PROJECT, NOMINATING, IN PARTICULAR, THE PROGRAM FOR INSTALLATION OF SOIL AND EROSION CONTROL SYSTEMS.
8. EARTHWORKS SHALL BE CARRIED OUT IN SUCH A MANNER THAT THE SITE IS MAINTAINED IN A WELL DRAINED CONDITION, AREAS OF LOOSE SOIL ARE MINIMISED AND CONCENTRATIONS OF STORMWATER ARE MINIMISED. BULK EARTHWORKS WILL BE CARRIED OUT OVER THE ENTIRE SITE IN ONE STAGE.
9. CONSTRUCTION AREAS SHALL BE AT ONE NOMINATED POINT ON SOUTH DEEBING CREEK ROAD. A SHAKE DOWN AS DETAILED ON THE PLAN COMPRISING FREE DRAINAGE GRAVEL SHALL BE LOCATED ADJACENT TO THE POINT OF ACCESS WHERE VEHICLES CAN BE WASHED DOWN PRIOR TO EXIT TO THE STREET SYSTEM IF REQUIRED. THE WASH DOWN AREA SHALL BE KEPT FREE OF MUD.
10. FOR DETAILS OF ENTRY/EXIT SEDIMENT PAD REFER TO BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1, PAGE 2.48, FIGURE 2.6.
11. SUPPLEMENTARY EROSION AND SEDIMENT CONTROL DEVICES MAY BE REQUIRED AT THE DISCRETION OF THE SUPERINTENDENT.
12. SEDIMENTATION FENCES TO BE PLACED AS SHOWN. FOR DETAILS OF SEDIMENT FENCE REFER BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1, PAGE 2.50, FIGURE 2.8.
13. WHERE SEDIMENT FENCES ARE SHOWN TO BE CONSTRUCTED IN AREAS OF SIGNIFICANT EARTHWORKS, ERECTION OF THE FENCE MAY BE DEFERRED UNTIL COMPLETION OF THE BULK EARTHWORKS, SUBJECT TO ABSENCE OF RAIN.

1. ENSURE COMPLIANCE WITH THE REQUIREMENTS OF AS4970 - TREES ON CONSTRUCTION SITES. THIS MAY REQUIRE CONSULTATION AND GUIDANCE FROM A CLASS V CERTIFIED ARBORIST AS TREES OUTSIDE THE IMMEDIATE WORK AREA MAY BE AFFECTED.

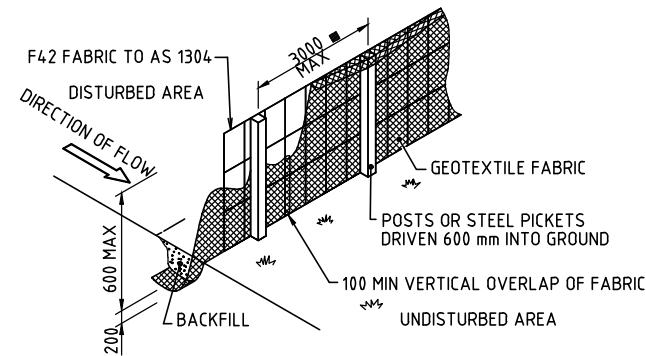
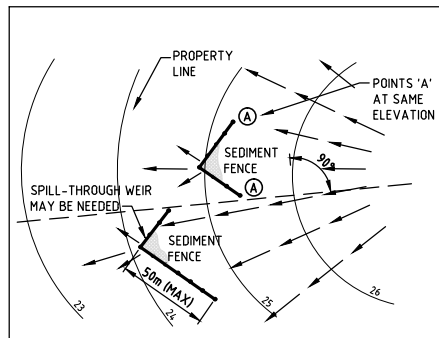
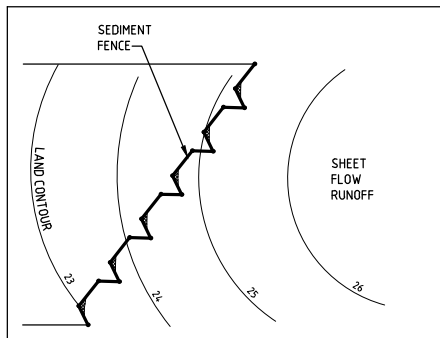
1. STRIP AND STOCKPILE AVAILABLE TOPSOIL (ASSUMED AVERAGE DEPTH 150MM) FROM ALL DISTURBED AREAS PRIOR TO BULK EARTHWORKS. GRADE EVENLY BETWEEN ALLOTMENT FINISHED SURFACE LEVELS AND ENSURE LOTS ARE FREE DRAINING.
2. MINIMUM SLOPE ACROSS ALLOTMENTS TO BE 1%.
3. ALL FOOTPATHS, BATTERS, AND EARTHWORKS AFFECTED ALLOTMENTS ARE TO BE TOPSOILED TO A MINIMUM DEPTH OF 150MM (LIGHTLY COMPACTED) AND TURFED WHERE SPECIFIED.
4. SEDIMENT FENCES TO BE PLACED AS SHOWN. FOR DETAILS OF SEDIMENT FENCE REFER BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1, PAGE 2.50, FIGURE 2.7. SEDIMENT FENCED TO BE REPAIRED AND EXCESSIVE SEDIMENT DEPOSITS SHALL BE REMOVED ONCE CAPACITY FALLS BELOW 75%

1. FOR DETAILS OF SEDIMENT FENCE REFER BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1, PAGE 2.50, FIGURE 2.8.
2. SEDIMENT FENCES TO BE REPAIRED AS REQUIRED AND EXCESSIVE SEDIMENT DEPOSITS SHOULD BE REMOVED.
3. INSTALL KERB INLETS WITH GRAVEL RANGING FROM 50MM TO 75MM IN SIZE SHALL BE INSTALLED AT ALL COMPLETED INLETS. REFER IPWEAQ STANDARD DRAWING D-0041. THESE SHALL BE MAINTAINED IN A CLEAN CONDITION. IN THE EVENT OF HEAVY RAIN THEY SHALL BE REMOVED TO MINIMISE THE POTENTIAL FOR FLOODING.
4. CHECKS OF SILT CONTROL DEVICES ARE TO BE MADE WEEKLY, OR AFTER ANY SIGNIFICANT STORM EVENT TO ENSURE INTEGRITY AND PERFORMANCE.

1. PROVIDE TURFING TO ENTIRE WIDTH OF ALL SWALES, FOOTPATHS, AND 1 IN 4 CUT AND FILL BATTERS.
2. FOOTPATH BATTERS ARE TO BE STABILISED WITH TOPSOIL (AND TURFED) AS SOON AS PRACTICAL AFTER THE BATTERS HAVE BEEN COMPLETED.

1. TOPSOIL STOCKPILES SHALL BE LESS THAN 1M DEEP AND UNCOMPACTED. A SEDIMENTATION FENCE SHALL BE CONSTRUCTED ON THE D/S SIDE, OR THE STOCKPILE STABILISED WITH VEGETATION, MULCH, OR A SOIL STABILISER.
2. SEDIMENTATION FENCES TO BE PLACED AS SHOWN.
3. REGULARLY INSPECT BANKS AND REPAIR ANY SLUMPS, WHEEL TRACK DAMAGE OR LOSS OF FREEBOARD.
4. REMOVE SEDIMENT TO AVOID PONDING FROM CATCH DRAINS.
5. REMOVE EXCESSIVE SEDIMENT FROM UPSTREAM OF CHECK DAM.
6. ROAD RESERVE TO BE USED AS HAUL ROAD.
7. A CATCH DRAIN OR DIVERSION BANK IS TO BE PROVIDED ON THE TOP SIDE OF ALL CUTS, WITH DISCHARGE EITHER TO UNDISTURBED GRASS LANDS OR TO THE CROSS ROAD DRAINAGE.
8. SUPPLEMENTARY EROSION AND SEDIMENT CONTROL DEVICES MAY BE REQUIRED AT THE DISCRETION OF THE ENGINEER.
9. WATER QUALITY SAMPLES MUST BE TAKEN AND ANALYSED PRIOR TO THE RELEASE OF ANY WATER FROM THE SEDIMENT POND. WATER QUALITY MUST SATISFY THE FOLLOWING CRITERIA: TSS<50MG/L PH BETWEEN 6.5 AND 8.5.
10. ALL WATER QUALITY DATA INCLUDING DATES OF RAINFALL, TESTING AND WATER RELEASE MUST BE MAINTAINED IN AN ON-SITE REGISTER. THIS REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE APPROVED WORKS AND BE AVAILABLE ON SITE FOR INSPECTION BY COUNCIL OFFICERS ON REQUEST.
11. EXPOSED AREAS ON LOTS ARE TO BE SEEDED AND MULCHED (E.G. HYDROMULCHED). MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 2.5T/HA. ALTERNATIVELY THEY SHALL BE DRILL-SEEDED AND IRRIGATED SO AS TO ENSURE >70% GROUND COVER WITHIN 14 DAYS FROM NOVEMBER TO APRIL, OR 30 DAYS FROM MAY TO OCTOBER.

1. SEDIMENTATION FENCES TO BE MAINTAINED UNTIL TURFING IS COMPLETED.
2. SEDIMENT BASINS TO BE CHECKED AFTER EVERY SIGNIFICANT STORM AND DESILTED ONCE THE SETTLEMENT LIMIT HAS BEEN REACHED.



SEDIMENT FENCE  
N.T.S.

Date: 4<sup>th</sup> September 2019

- Complete Safety in Design Analysis by populating the table where applicable with all of the relevant safety issues for the project. For example:

<input checked="" type="checkbox"/> Positioning of new services adjacent to existing live services <input checked="" type="checkbox"/> Construction adjacent to existing road carriageways <input checked="" type="checkbox"/> Pedestrians <input checked="" type="checkbox"/> Civil Construction Workers <input checked="" type="checkbox"/> Maintenance Workers <input checked="" type="checkbox"/> Work Place Health and Safety Constraints <input type="checkbox"/> Unusual material handling <input type="checkbox"/> Falls from heights <input checked="" type="checkbox"/> Underground Services (existing) <input type="checkbox"/> Electrical Service Installation <input type="checkbox"/> Gas Service Installation <input checked="" type="checkbox"/> Communication Installation <input type="checkbox"/> Traffic Signal Installation <input checked="" type="checkbox"/> Landscape Workers <input checked="" type="checkbox"/> Line marking Workers <input checked="" type="checkbox"/> Excavation – open cut trenching - Trench excavation depths <input type="checkbox"/> Tunnel Boring <input type="checkbox"/> Confined Spaces <input type="checkbox"/> Lifting of loads <input type="checkbox"/> Unloading of materials and storage <input type="checkbox"/> Storage of hazardous materials <input type="checkbox"/> Geotechnical investigation – works <input type="checkbox"/> Bulk Earthworks	<input type="checkbox"/> Slope Stability <input checked="" type="checkbox"/> Dust Control <input checked="" type="checkbox"/> Erosion and Sediment Control/Management <input type="checkbox"/> Sediment Basin Construction <input type="checkbox"/> Wetland Construction <input checked="" type="checkbox"/> Working under traffic  Project Specific Design Elements:
<input type="checkbox"/> List all relevant safety studies	

## RISK ASSESSMENT AND CONTROL

Risk Assessment			
Select <b>one</b> category from each of the columns below that best represents the likely outcome if the potential hazard actually did occur. For each consequence consider the <b>most likely outcome</b> and <b>not</b> the 'absolute worst' case.			
Consequence		Likelihood	
A	Death – major environmental damage	1	Certain
B	Permanent Disability – severe environmental damage	2	Probable
C	Lost Time Injury – moderate environmental damage	3	Possible
D	Medical Treatment Injury – minor environmental damage	4	Unlikely
E	First Aid Treatment	5	Very Unlikely

**Certain** - means an event or situation that is happening more or less all the time, including continuous situations

**Permanent Disability** – means a disability, such as loss of a limb or eyesight, loss of hearing, chronic skin disorder, chronic back disorder, emphysema, and the like

Issued 4<sup>th</sup> September 2019 Rev - A

Section of Works	Identify any Potential Incident or Hazard	Consequence	Likelihood	Risk Rating	Risk Control Measures	Consequence	Likelihood	Residual Risk Rating (after design applied)	Risk Manager
Earthworks Material Investigation	Geotechnical Investigation	C	3	S	SWMS required by Contractor	D	3	M	Contractor
Road Works	Pedestrians Injury	D	3	M	TMP to be provided by Contractor to exclude pedestrians from work site	E	3	L	Contractor
	Civil Construction Workers – Injury	A	4	H	TMP and SWMS required for all activities	C	2	S	Contractor
	Maintenance Workers	A	4	H	TMP and SWMS required for all activities	C	3	S	Contractor
	Underground Services (Existing)	A	3	H	DBYD information to be sort prior to design. Existing to be located by survey if applicable to design. All existing services to be located and depths confirmed prior to commencement. SWMS to be provided by Contractor	C	2	S	Designer/ Contractor
Working adjacent to existing Infrastructure	Conflict between construction equipment / personnel and live infrastructure in particular Power lines	B	4	S	All existing services highlighted in the documentation. Contractor to complete DBYD search before commencing works. SWMS to be provided by Contractor	C	4	M	Designer/ Contractor
Service trench/ pipe installation	Location of all trenches to provide clearance to all other services and all structures or battered embankments	A	4	H	Mains located with safe working clearance to existing pressure mains, structures and battered embankments	C	4	M	Designer
	Trench depth	A	4	M	Depth of trenches minimized for both safety and cost efficiency	C	4	M	Designer
Works within Confined Spaces	Construction of manholes structures	A	4	M	Contractor to ensure works undertaken in a manner complying with safe work method statements	D	5	L	Contractor
Silt and Erosion Control	Public access to water retaining temporary sediment basins	A	5	S	Protection measures – that is fencing of all water retaining structures with side slopes greater than 1 in 5 as described in International Erosion Control Association (Australasian) Table B9	C	4	M	Designer/ Contractor

H: High Risk

S: Significant Risk

M: Moderate Risk

L: Low Risk

Read the Risk Rating from the matrix below:

Risk Assessment Matrix	A	B	C	D	E
1	H	H	H	S	S
2	H	H	S	S	M
3	H	H	S	M	L
4	H	S	M	L	L
5	S	S	M	L	L

**Probable** – means an event or situation that occurs or is likely to occur about ten times or more per year  
**Possible** – means an event or situation that occurs or is likely to occur about once per year  
**Unlikely** – means an event or situation that occurs or is likely to occur less frequently than once every ten years

LOCALITY PLAN

[illegible]

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KRATZMANN'S ROAD -  
ROAD WIDENING



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2019.10.22 11:41:31 +10'00

Drawing Title


## SAFETY IN DESIGN

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN			Sheet 11 of 11
A1	Drawing No 19-184-11		Revision A

# KRATZMANNS ROAD MURGON-GAYNDAH ROAD INTERSECTION UPGRADE



PLAN  
SCALE 1:1000

SCALE   
1 : 1000 (A1 UNREDUCED)

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## REVISIONS

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KRATZMANN'S ROAD  
MURGON-GAYNDAH ROAD  
INTERSECTION UPGRADE



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ABN 35 112 053 611

Approved: RFEQ 17544

Mark Andrew Shea BEd

Drawing Title  
LOCALITY PLAN,  
DRAWING INDEX

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN			Sheet 01 of 1
A1	Drawing No 19-182-01		Revision A

DATUM ORIGIN

MGA ZONE 56  
AHD PSM 85975  
RL 231.126  
E: 383001.870  
N: 7118912.467

## DRAWING INDEX

DRAWING NO.	DRAWING TITLE
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19-182-03	CONTROL LINE SETOUT PLAN SHEET 2
19-182-04	GENERAL ARRANGEMENT PLAN SHEET 1
19-182-05	GENERAL ARRANGEMENT PLAN SHEET 2
19-182-06	ROADWORKS LONGITUDINAL SECTION CONTROL LINE MC01 AND MC02
19-182-07	ROADWORKS LONGITUDINAL SECTION CONTROL LINE MC03
19-182-08	ROADWORKS CROSS SECTIONS CONTROL LINE KRATZMANN'S RD
19-182-09	ROADWORKS CROSS SECTIONS CONTROL LINE MURGON GAYNDAH RD SHEET 1
19-182-10	ROADWORKS CROSS SECTIONS CONTROL LINE MURGON GAYNDAH RD SHEET 2
19-182-11	INTERSECTION LINEMARKING AND SIGNS SHEET 1
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19-182-13	PAVEMENT LAYOUT PLAN
19-182-14	SEDEMENT AND EROSION CONTROL PLAN
19-182-15	SEDEMENT AND EROSION NOTES
19-182-16	INTERSECTION TURN PATHS SHEET 1
19-182-17	INTERSECTION TURN PATHS SHEET 2
19-182-18	SAFETY IN DESIGN







DO NOT SCALE THIS DRAWING  
IF IN DOUBT - ASK!



LOCALITY PLAN

REVISIONS

No	Description	Date	By
A	FOR APPROVAL	04.09.19	RW

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KRAMZMANN ROAD  
MURGON-GAYNDAH ROAD  
INTERSECTION UPGRADE



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Max Authorised Scale  
Scale: 1:1000 (H) 1:100 (V)

Drawing Title:  
ROADWORKS LONGITUDINAL  
SECTION CONTROL LINE  
MC01 AND MC02

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN	Drawing No 19-182-06	Revision A	Sheet 06 of 18

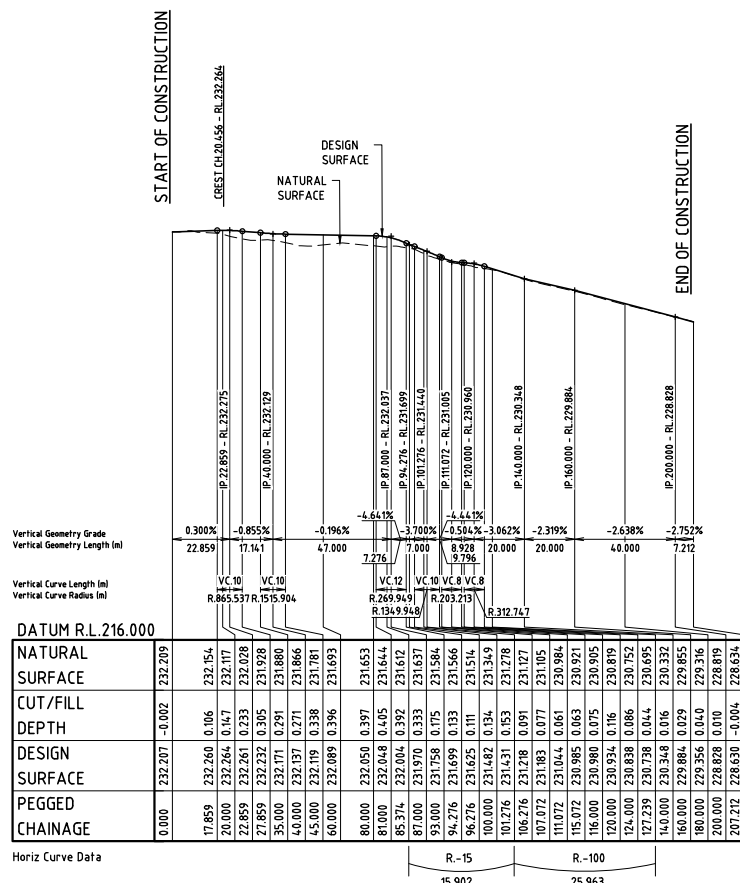
START OF CONSTRUCTION

CREST CH20.556 - RL 232.264

NATURAL SURFACE

DESIGN SURFACE

END OF CONSTRUCTION



LONGITUDINAL SECTION - MC01  
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1:100 (V)

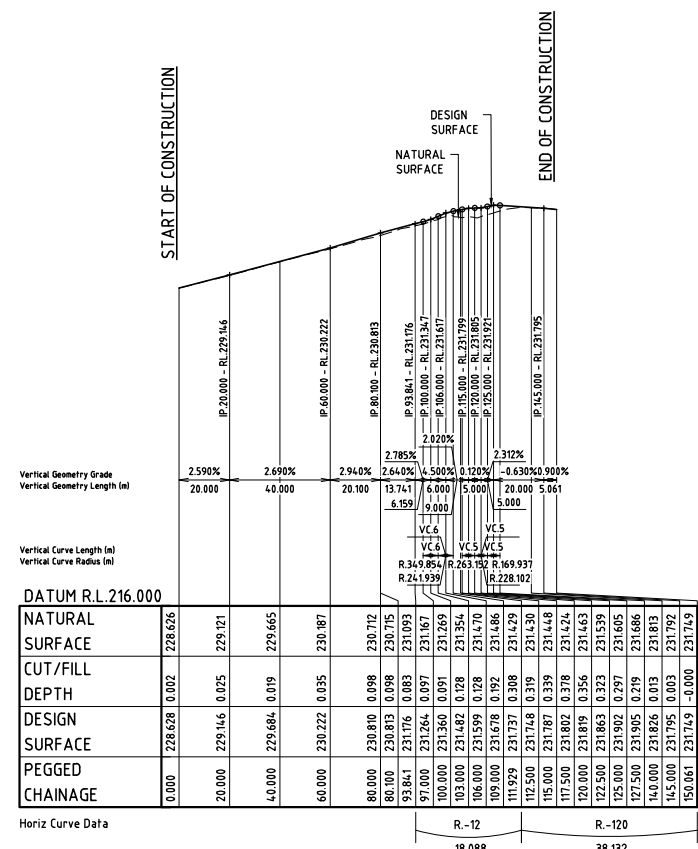
START OF CONSTRUCTION

CREST CH20.556 - RL 232.264

NATURAL SURFACE

DESIGN SURFACE

END OF CONSTRUCTION



LONGITUDINAL SECTION - MC02  
SCALE - 1:1000 (H)  
1:100 (V)







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IF IN DOUBT - ASK!



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201W09.13 14:46:53 +1000

Drawing Title  
ROADWORKS CROSS SECTIONS  
CONTROL LINE  
KRATZMANN'S RD

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN			Sheet 08 of 18
A1	Drawing No 19-182-08		Revision A

ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE MANUAL OF  
UNIFORM TRAFFIC CONTROL DEVICES - CURRENT EDITION.

WHITE REFLECTIVE PAINT SHALL BE USED FOR ALL LANE AND EDGE LINES, CHEVRONS AND OUTLINE MARKINGS.

ALL EXISTING PAVEMENT MARKINGS THAT SHALL BE MADE OBSOLETE BY THESE WORKS SHALL BE REMOVED FROM THE ROAD SURFACE BY APPROVED METHOD.

1. ALL SIGNS TO BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF  
UNIFORM TRAFFIC CONTROL DEVICES - CURRENT EDITION

- ALL SIGNS TO BE INSTALLED WITH THE FOLLOWING MINIMUM CLEARANCES TO EDGE OF SIGN FACE:

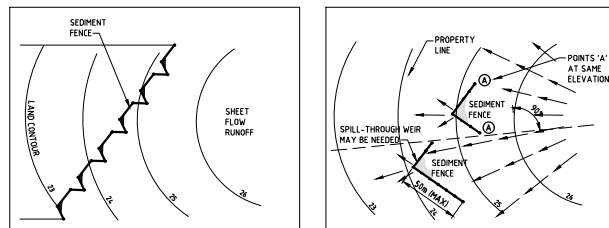
4. CHECK FOR ALL IN GROUND SERVICES PRIOR TO PLACING SIGN SUPPORTS.





1. THIS PROGRAM AND ASSOCIATED PLANS SHOULD BE READ IN CONJUNCTION WITH THE SITE MANAGEMENT SPECIFICATION INCORPORATED IN THE CONTRACT DOCUMENTS. THE PROVISIONS OF THE SPECIFICATION ARE TO BE STRICTLY ADHERED TO.
2. THE BASIC OBJECTIVES OF THE EROSION AND SEDIMENT CONTROL ARE:
  - I. IDENTIFY CRITICAL AREAS AND PROVIDE APPROPRIATE ATTENTION TO THOSE AREAS.
  - II. PLAN SITE LAYOUTS SO THAT ACCESS TO ALL REQUIRED DRAINAGE EROSION AND SEDIMENT CONTROL MEASURE IS MAINTAINED.
  - III. LIMIT EXPOSURE TIME BY PROGRAMMING TO MINIMISE THE AREA OF LAND EXPOSED TO POTENTIALLY ADVERSE WEATHER CONDITIONS AT ANY ONE TIME. I.E. PROGRESSIVELY CLEAR AND REVEGETATE.
  - IV. PROVIDE CONTROL MEASURES INCLUDING TEMPORARY AND PERMANENT DRAINAGE, EROSION AND SEDIMENT CONTROLS.
3. THE EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH BEST PRACTICE FOR EROSION AND SEDIMENT CONTROL, THE POLLUTION CONTROL MANUAL FOR URBAN STORMWATER MANAGEMENT, THE QUEENSLAND URBAN DRAINAGE MANUAL, AND THE SOIL EROSION AND SEDIMENT CONTROL - ENGINEERING GUIDELINES FOR QUEENSLAND (CURRENT EDITIONS).
4. CONSTRUCTION SEQUENCE THE CONSTRUCTION SEQUENCE WILL GENERALLY BE:
  - I. OBTAIN ALL NECESSARY PERMITS AND APPROVALS BEFORE SITE ESTABLISHMENTS.
  - II. HOLD A PRE-CONSTRUCTION CONFERENCE.
  - III. ESTABLISH ALL CONSTRUCTION ACCESS ROUTES AND ENTRY/EXIT POINTS.
  - IV. ESTABLISH SEDIMENT CONTROL STRUCTURES AND TEMPORARY DRAINAGE CONTROL MEASURES AS NECESSARY.
  - V. CARRY OUT BULK EARTHWORKS.
  - VI. MAINTAIN AND REPAIR DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES.
  - VII. PROVIDE SEDIMENT CONTROL MEASURES WHEN THE SITE IS STABILISED. I.E. ~70% GROUND COVER
  - VIII. THE CONTRACTOR SHALL PREPARE A SUPPLEMENTARY EROSION AND SEDIMENT CONTROL PLAN TO SUIT HIS/HER CONSTRUCTION METHODOLOGY, AND SUBMIT THIS PLAN FOR APPROVAL TO THE SUPERINTENDENT. IT SHOULD BE NOTED THAT ANY SIGNIFICANT VARIATION TO THIS PLAN MAY REQUIRE RESUBMISSION TO COUNCIL FOR APPROVAL. THE CLIENT SHALL NOT BE RESPONSIBLE FOR ANY SUCH ASSOCIATED DELAY.
5. ALL ESC DEVICES ARE TO BE INSPECTED WEEKLY, PRIOR TO EXPECTED AND AFTER RAINFALL ANY DAMAGE IS TO BE REPAIRED AS REQUIRED TO MAINTAIN THEIR EFFICACY.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL (ESC) MEASURE TO BE MAINTAINED AND FULLY OPERATIONAL DURING THE MAINTENANCE PERIOD AND ARE TO BE REMOVED AFTER THE SATISFACTORY COMPLETION OF AN OFF-MAINTENANCE INSPECTION BY COUNCIL AND PRIOR TO FORMAL ACCEPTANCE "OFF MAINTENANCE" BY COUNCIL.
7. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR IS TO PROVIDE A DETAILED PROGRAM TO THE SUPERINTENDENT SHOWING THE TIMING FOR ALL WORKS ASSOCIATED WITH THE PROJECT, NOMINATING, IN PARTICULAR, THE PROGRAM FOR INSTALLATION OF SOIL AND EROSION CONTROL SYSTEMS.
8. EARTHWORKS SHALL BE CARRIED OUT IN SUCH A MANNER THAT THE SITE IS MAINTAINED IN A WELL DRAINED CONDITION, AREAS OF LOOSE SOIL ARE MINIMISED AND CONCENTRATIONS OF STORMWATER ARE MINIMISED. BULK EARTHWORKS SHALL BE CARRIED OUT OVER THE ENTIRE SITE IN ONE STAGE.
9. CONSTRUCTION AREAS SHALL BE AT ONE NOMINATED POINT ON SOUTH DEEBING CREEK ROAD. A SHAKE DOWN AS DETAILED ON THE PLAN COMPRISING FINE DRAINAGE GRAVEL SHALL BE LOCATED ADJACENT TO THE POINT OF ACCESS WHERE VEHICLES CAN BE WASHED DOWN PRIOR TO EXIT TO THE STREET SYSTEM IF REQUIRED. THE WASH DOWN AREA SHALL BE KEPT FREE OF MUD.
10. FOR DETAILS OF ENTRY/EXIT SEDIMENT PAD REFER TO BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1, PAGE 2.48, FIGURE 2.6.
11. SUPPLEMENTARY EROSION AND SEDIMENT CONTROL DEVICES MAY BE REQUIRED AT THE DISCRETION OF THE SUPERINTENDENT.
12. SEDIMENTATION FENCES TO BE PLACED AS SHOWN. FOR DETAILS OF SEDIMENT FENCE REFER BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1, PAGE 2.50, FIGURE 2.8.
13. WHERE SEDIMENT FENCES ARE SHOWN TO BE CONSTRUCTED IN AREAS OF SIGNIFICANT EARTHWORKS, ERECTION OF THE FENCE MAY BE DEFERRED UNTIL COMPLETION OF THE BULK EARTHWORKS. SUBJECT TO ABSENCE OF RAIN.

1. ENSURE COMPLIANCE WITH THE REQUIREMENTS OF AS4970 - TREES ON CONSTRUCTION SITES. THIS MAY REQUIRE CONSULTATION AND GUIDANCE FROM A CLASS V CERTIFIED ARBORIST AS TREES OUTSIDE THE IMMEDIATE WORK AREA MAY BE AFFECTED.



EROSION AND SEDIMENTATION CONTROL NOTES:

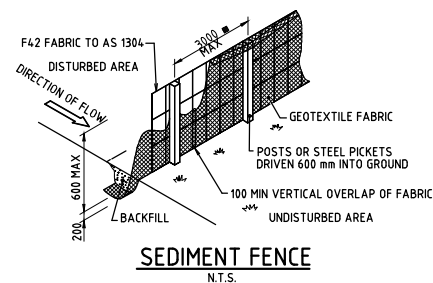
1. STRIP AND STOCKPILE AVAILABLE TOPSOIL (ASSUMED AVERAGE DEPTH 150MM) FROM ALL DISTURBED AREAS PRIOR TO BULK EARTHWORKS. GRADE EVENLY BETWEEN ALLOTMENT FINISHED SURFACE LEVELS AND ENSURE LOTS ARE FREE DRAINING.
2. MINIMUM SLOPE ACROSS ALLOTMENTS TO BE 1%.
3. ALL FOOTPATHS, BATTERS, AND EARTHWORKS AFFECTED ALLOTMENTS ARE TO BE TOPSOILED TO A MINIMUM DEPTH OF 150MM (LIGHTLY COMPACTED) AND TURFED WHERE SPECIFIED.
4. SEDIMENT FENCES TO BE PLACED AS SHOWN. FOR DETAILS OF SEDIMENT FENCE REFER BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1, PAGE 2.50, FIGURE 27. SEDIMENT FENCED TO BE REPAIRED AND EXCESSIVE SEDIMENT DEPOSITS SHALL BE REMOVED ONCE CAPACITY FALLS BELOW 75%.

1. FOR DETAILS OF SEDIMENT FENCE REFER BEST PRACTICE EROSION & SEDIMENT CONTROL BOOK 1, PAGE 250, FIGURE 2.8.
2. SEDIMENT FENCES TO BE REPAIRED AS REQUIRED AND EXCESSIVE SEDIMENT DEPOSITS SHOULD BE REMOVED.
3. INSTALL KERB INLETS WITH GRAVEL RANGING FROM 50MM TO 75MM IN SIZE SHALL BE INSTALLED AT ALL COMPLETED INLETS. REFER IPWEAQ STANDARD DRAWING D-004. THESE SHALL BE MAINTAINED IN A CLEAN CONDITION. IN THE EVENT OF HEAVY RAIN THEY SHALL BE REMOVED TO MINIMISE THE POTENTIAL FOR FLOODING.
4. CHECKS OF SILT CONTROL DEVICES ARE TO BE MADE WEEKLY, OR AFTER ANY SIGNIFICANT STORM EVENT TO ENSURE INTEGRITY AND PERFORMANCE.

1. PROVIDE TURFING TO ENTIRE WIDTH OF ALL SWALES, FOOTPATHS, AND 1 IN 4 CUT AND FILL BATTERS.
2. FOOTPATH BATTERS ARE TO BE STABILISED WITH TOPSOIL (AND TURFED) AS SOON AS PRACTICAL AFTER THE BATTERS HAVE BEEN COMPLETED.

1. TOPSOIL STOCKPILES SHALL BE LESS THAN 1M DEEP AND UNCOMPACTED. A SEDIMENTATION FENCE SHALL BE CONSTRUCTED ON THE D/S SIDE, OR THE STOCKPILE STABILISED WITH VEGETATION, MULCH, OR A SOIL STABILISER.
2. SEDIMENTATION FENCES TO BE PLACED AS SHOWN.
3. REGULARLY INSPECT BANKS AND REPAIR ANY SLUMPS, WHEEL TRACK DAMAGE OR LOSS OF FREEBOARD.
4. REMOVE SEDIMENT TO AVOID PONDING FROM CATCH DRAINS.
5. REMOVE EXCESSIVE SEDIMENT FROM UPSTREAM OF CHECK DAM.
6. ROAD RESERVE TO BE USED AS HAUL ROAD.
7. A CATCH DRAINOR DIVERSION BANK IS TO BE PROVIDED ON THE TOP SIDE OF ALL CUTS, WITH DISCHARGE EITHER TO UNDISTURBED GRASS LANDS OR TO THE CROSS ROAD DRAINAGE.
8. SUPPLEMENTARY EROSION AND SEDIMENT CONTROL DEVICES MAY BE REQUIRED AT THE DISCRETION OF THE ENGINEER.
9. WATER QUALITY SAMPLES MUST BE TAKEN AND ANALYSED PRIOR TO THE RELEASE OF ANY WATER FROM THE SEDIMENT POND. WATER QUALITY MUST SATISFY THE FOLLOWING CRITERIA: TSS-50MG/L PH BETWEEN 6.5 AND 8.5.
10. ALL WATER QUALITY DATA INCLUDING DATES OF RAINFALL, TESTING AND WATER RELEASE MUST BE MAINTAINED IN AN ON-SITE REGISTER. THIS REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE APPROVED WORKS AND BE AVAILABLE ON SITE FOR INSPECTION BY COUNCIL OFFICERS ON REQUEST.
11. EXPOSED AREAS ON LOTS ARE TO BE SEEDED AND MULCHED (E.G. HYDROMULCHED). MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 25T/HA. ALTERNATIVELY THEY SHALL BE DRILL-SEEDED AND IRRIGATED SO AS TO ENSURE ~70% GROUND COVER WITHIN 14 DAYS FROM NOVEMBER TO APRIL, OR 30 DAYS FROM MAY TO OCTOBER.

1. SEDIMENTATION FENCES TO BE MAINTAINED UNTIL TURFING IS COMPLETED.
2. SEDIMENT BASINS TO BE CHECKED AFTER EVERY SIGNIFICANT STORM AND DESILTED ONCE THE SETTLEMENT LIMIT HAS BEEN REACHED.



LOCALITY PLAN

[illegible]

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Drawing Title

## SEDEMENT AND EROSION NOTES

Drawn RW	Designed JB	Checked MS	Date SEP 19
Scale AS SHOWN			Sheet 15 of 1
Drawing No A1 19-182-15		Revision A	









# 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.
- (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. 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.