

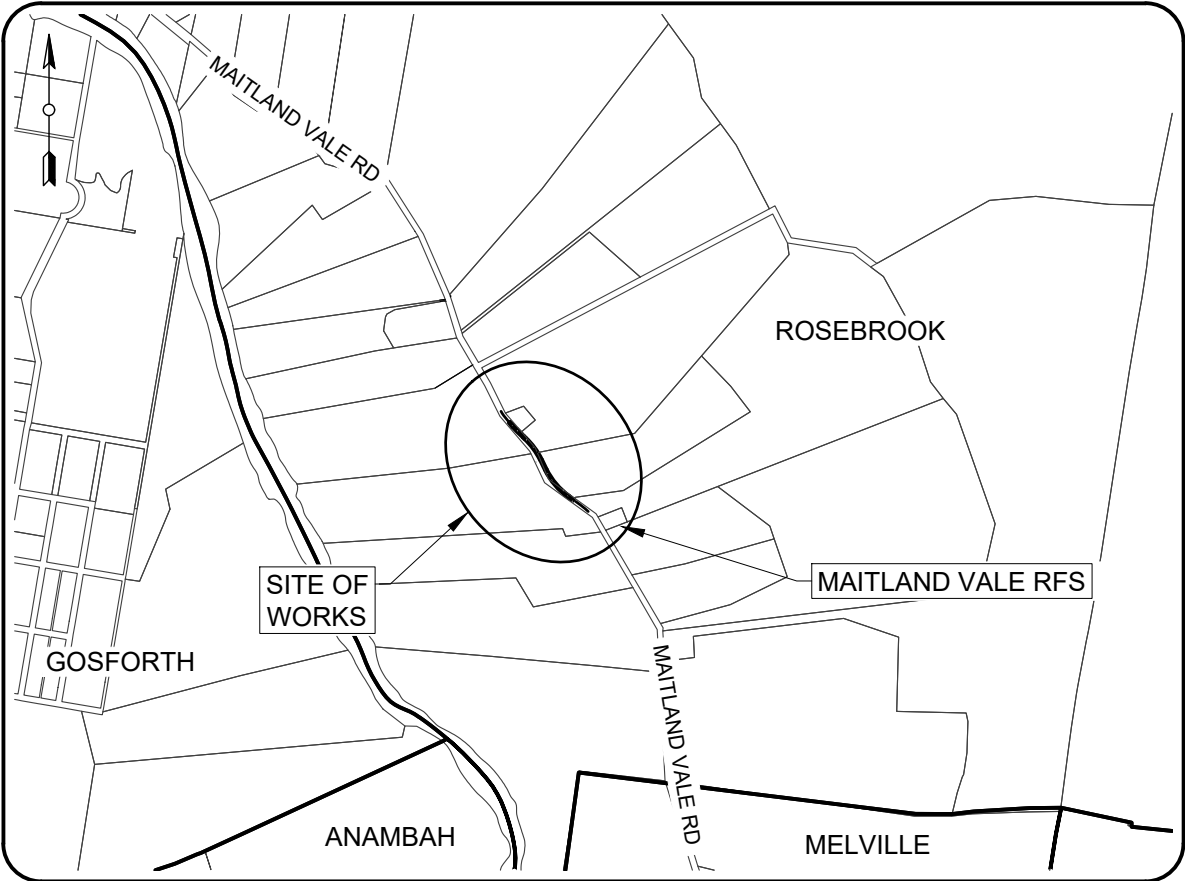
MAITLAND VALE ROAD
ROSEBROOK
STATE ELECTION COMMITMENT - FLOOD MITIGATION
100% DETAILED DESIGN

SHEET SCHEDULE

- 1. COVER SHEET - LOCALITY PLAN
- 2. GENERAL ARRANGEMENT AND CONSTRUCTION NOTES
- 3. SURVEY CONTROL STATIONS
- 4. ALIGNMENT PLAN
- 5 to 7. DETAIL PLANS
- 8 to 9. DETAIL SECTIONS
- 10 to 12. LONGITUDINAL SECTION
- 13 to 44. CROSS SECTIONS
- 45 to 47. BULK EARTHWORKS
- 48. LINEMARKING AND SIGNAGE PLAN
- 49. SAFETY BARRIER PLAN
- 50. ELECTRICAL RELOCATION PLAN
- 51. FENCING PLAN
- 52. LANDSCAPING PLAN
- 53. BOX CULVERT DETAIL PLAN AND GENERAL NOTES
- 54. BOX CULVERT LONGITUDINAL SECTIONS
- 55. BOX CULVERT SECTIONS
- 56 to 57. BOX CULVERT CROWN UNITS
- 58 to 60. BOX CULVERT BASE SLAB
- 61 to 64. BOX CULVERT HEADWALLS

DOCUMENT CONTROL

	RELEASE DETAILS	By	Ch'k'd	Date
A	90% DETAILED DESIGN	CP	TJ	03/10/2025
B	AMENDMENTS TO CULVERT	CP	DS	24/08/2026
C	100% DETAILED DESIGN	CP	-	15/09/2026



LOCALITY PLAN

RELEASE APPROVAL

These Plans comply to the PIB & specified requirements.	Design Officer
These plans satisfy the requirements of the PIB for construction.	Manager Design and Projects
Approval is granted for the release of these plans.	Executive Manager Assets & Engineering
Approval is granted for the construction of the works in accordance with these plans.	Executive Manager Infrastructure Delivery and Operations

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STATUS

100% DETAILED
DESIGN

SURVEYOR
K. Wilcox
DESIGNER
C. Parsons

DATUM
A.H.D.

MAITLAND CITY COUNCIL
CITY SERVICES

263 HIGH STREET
P.O. BOX 220
MAITLAND 2320

PHONE: (02) 49349700
FAX (02) 49333209
DX 21613 MAITLAND

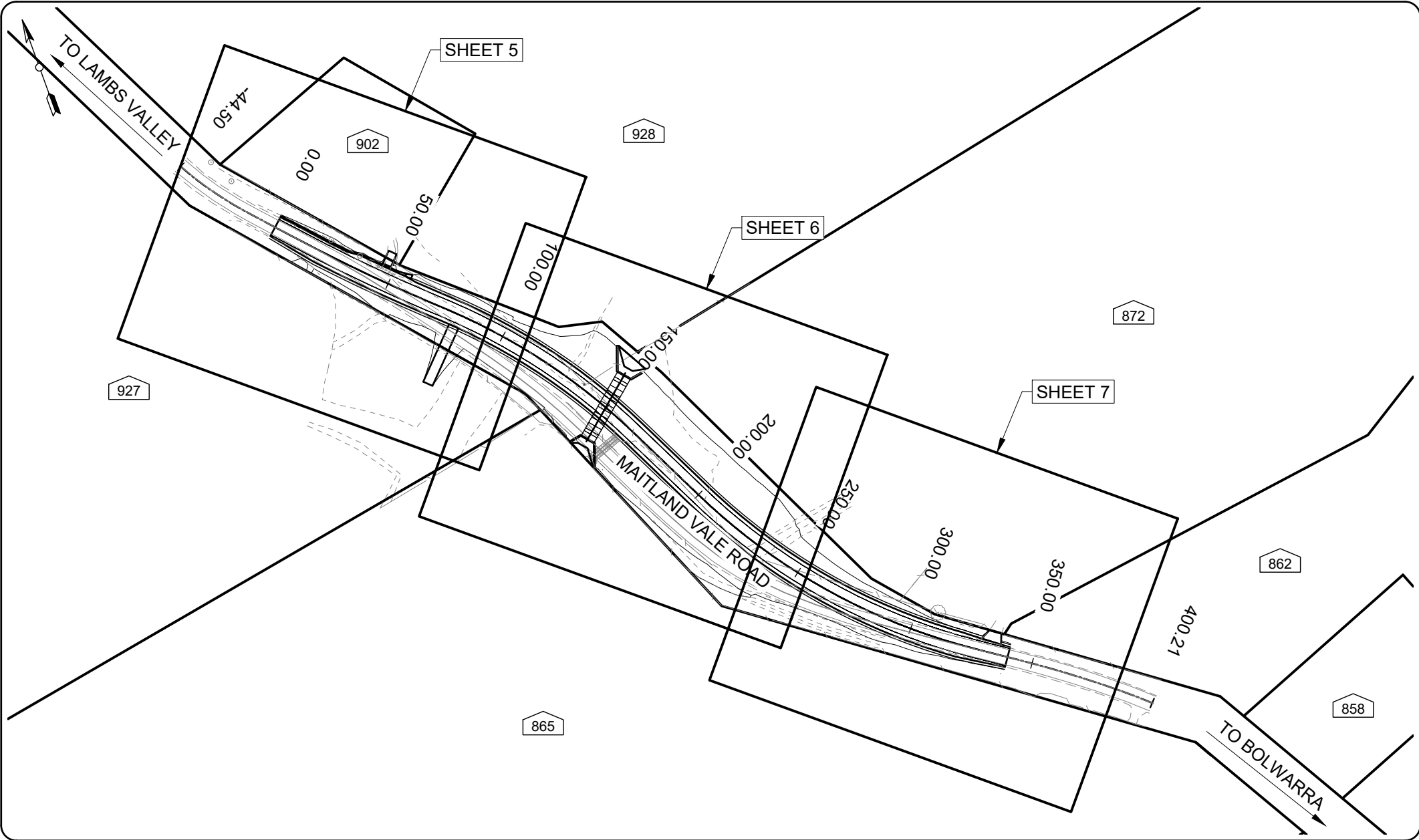
PLAN No.

4227-10C

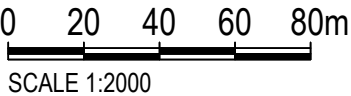
Sheet 1 of 64

NOTES

1. These drawings have been prepared in accordance with the relevant Australian Standards, Austroads & Transport for NSW Supplements.
2. Dimensions shall not be scaled off plans. Any additional dimensions, clarification or discrepancies shall be referred to the Design Officer before proceeding with the Works.
3. A BYDA search has been carried out & services physically located where required at the time of design. The BYDA search is to be repeated prior to start of works. Services are to be located & marked on site & the marks maintained throughout the construction period.
4. Occupiers of properties & businesses affected by the Works shall be notified prior to the start of work. Where access to a property or business is affected, the affected parties shall be consulted with and arrangements made to minimise the affect or provide alternative access or parking.
5. Works shall be carried out in accordance with the Environmental Management Plan (EMP) and any additional measures implemented by the Manager Works.
6. Variations to the estimated cost shall be referred to the Capital Works Programme Group for consideration before being committed.
7. A "Works As Executed" Plan shall be prepared and forwarded to the Manager Engineering and Design on completion of the Works. The WAE Plans shall show all variations, final locations & levels.



GENERAL ARRANGEMENT PLAN



LEGEND

	Existing Fence		Proposed Fence
	Existing Gas Meter & Gas Line		Proposed Vehicle Crossing
	Existing Electricity Box, U/G Lines & Power Light Pole		Proposed Kerb
	Existing Power Pole, Overhead Lines & Light Pole		Proposed Kerb Inlet Pit, Drainage Pipe & Headwall
	Existing Kerb Inlet Pit, Drainage Pipe & Headwall		Proposed Surface Inlet Pit
	Existing Surface Inlet Pit		Proposed Sign
	Existing Sewer Manhole, Sewer Line & Inspection Pit		Proposed Subsoil Flushpoint & Subsoil Drainage Pipe
	Existing Sign		Proposed Table Drain
	Existing Stop Valve, Water Main & Hydrant		Proposed Shrub
	Existing Table Drain		Proposed Tree
	Existing Telecom Pit, Line & Post		
	Existing Shrub		
	Existing Tree		

UTILITY OWNER CONTACT NUMBERS AND DIAL BEFORE YOU DIG DETAILS					
DBYD SEQUENCE NUMBER - 54042345			DBYD SEARCH DATE - 24/08/2026		
UTILITY OWNER	UTILITY TYPE	PHONE	EMERGENCY CONTACT	DBYD REFERRAL NO.	PLAN ISSUE DATE
AUSGRID	ELECTRICITY	02 4951 0899	13 13 88	278234444	24/08/2026
HUNTER WATER CORPORATION	WATER AND SEWER	1300 657 657	1300 657 000	278234445	24/08/2026
NBN CO NSWACT	TELECOMMUNICATIONS	1800 687 626	1800 626 329	278234443	24/08/2026
TELSTRA NSW CENTRAL	WATER AND SEWER	1800 653 935	13 22 03	278234446	24/08/2026

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RATIO @A3
Ratio: 1:2000

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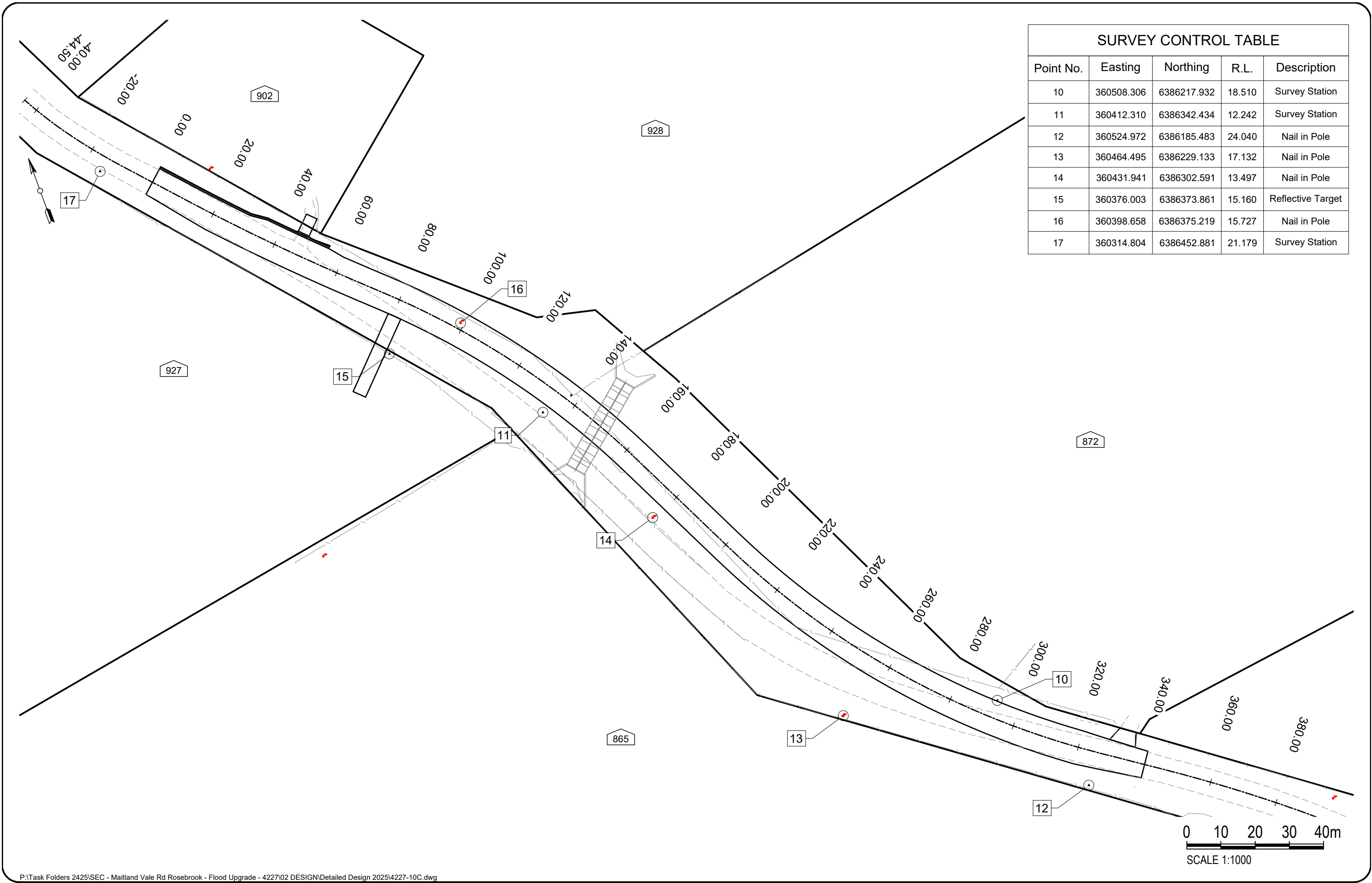
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
GENERAL ARRANGEMENT AND CONSTRUCTION NOTES

PLAN No.
4227-10C
Sheet 2 of 64

C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

Plotted: 15/09/2026 1:38:07 PM By: CP



SURVEY CONTROL TABLE				
Point No.	Easting	Northing	R.L.	Description
10	360508.306	6386217.932	18.510	Survey Station
11	360412.310	6386342.434	12.242	Survey Station
12	360524.972	6386185.483	24.040	Nail in Pole
13	360464.495	6386229.133	17.132	Nail in Pole
14	360431.941	6386302.591	13.497	Nail in Pole
15	360376.003	6386373.861	15.160	Reflective Target
16	360398.658	6386375.219	15.727	Nail in Pole
17	360314.804	6386452.881	21.179	Survey Station

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	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:1000	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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CITY SERVICES

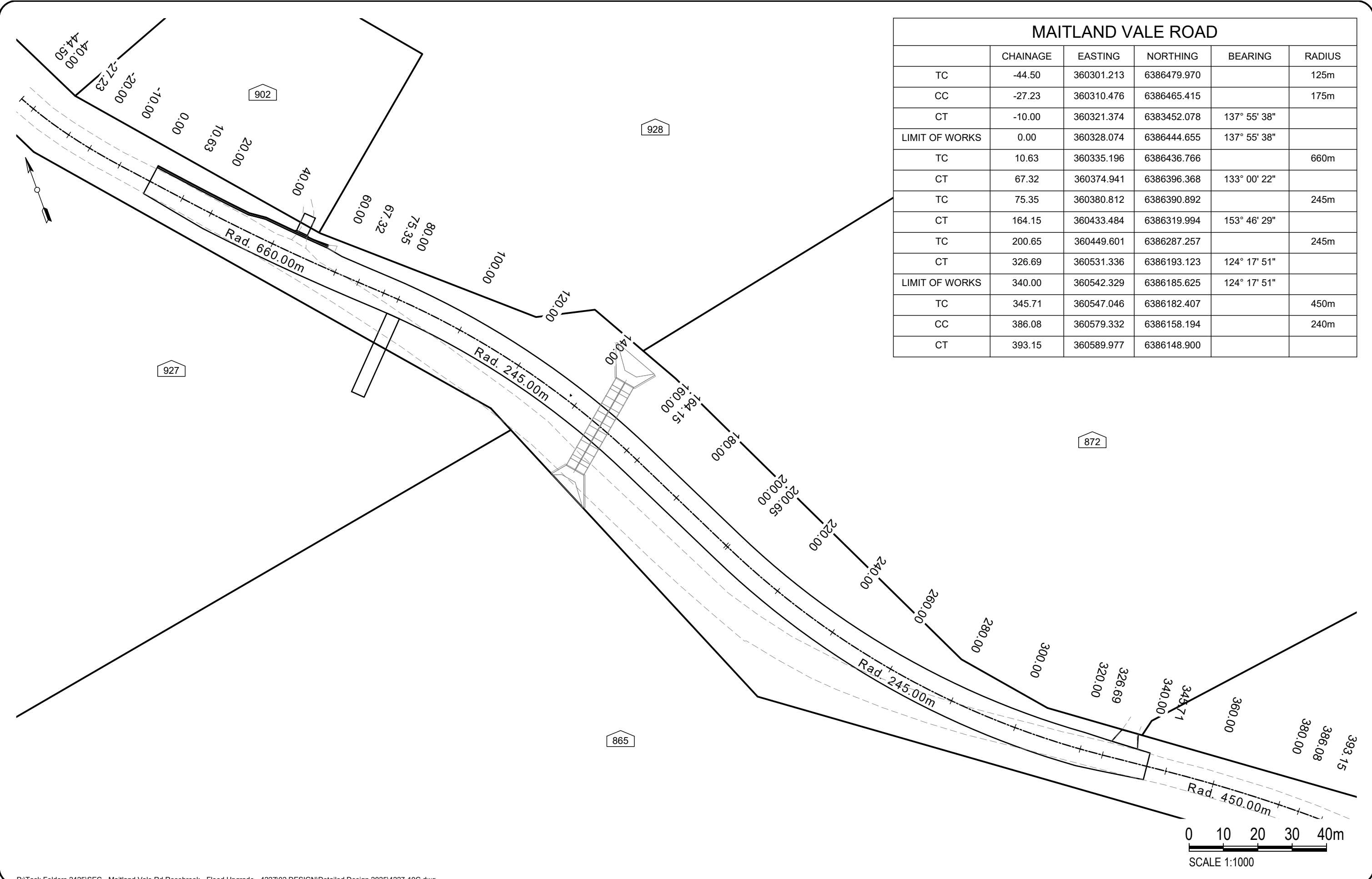
263 HIGH STREET
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
SURVEY CONTROL STATIONS

PLAN No.
4227-10C

Sheet 3 of 64



MAITLAND VALE ROAD					
	CHAINAGE	EASTING	NORTHING	BEARING	RADIUS
TC	-44.50	360301.213	6386479.970		125m
CC	-27.23	360310.476	6386465.415		175m
CT	-10.00	360321.374	6383452.078	137° 55' 38"	
LIMIT OF WORKS	0.00	360328.074	6386444.655	137° 55' 38"	
TC	10.63	360335.196	6386436.766		660m
CT	67.32	360374.941	6386396.368	133° 00' 22"	
TC	75.35	360380.812	6386390.892		245m
CT	164.15	360433.484	6386319.994	153° 46' 29"	
TC	200.65	360449.601	6386287.257		245m
CT	326.69	360531.336	6386193.123	124° 17' 51"	
LIMIT OF WORKS	340.00	360542.329	6386185.625	124° 17' 51"	
TC	345.71	360547.046	6386182.407		450m
CC	386.08	360579.332	6386158.194		240m
CT	393.15	360589.977	6386148.900		

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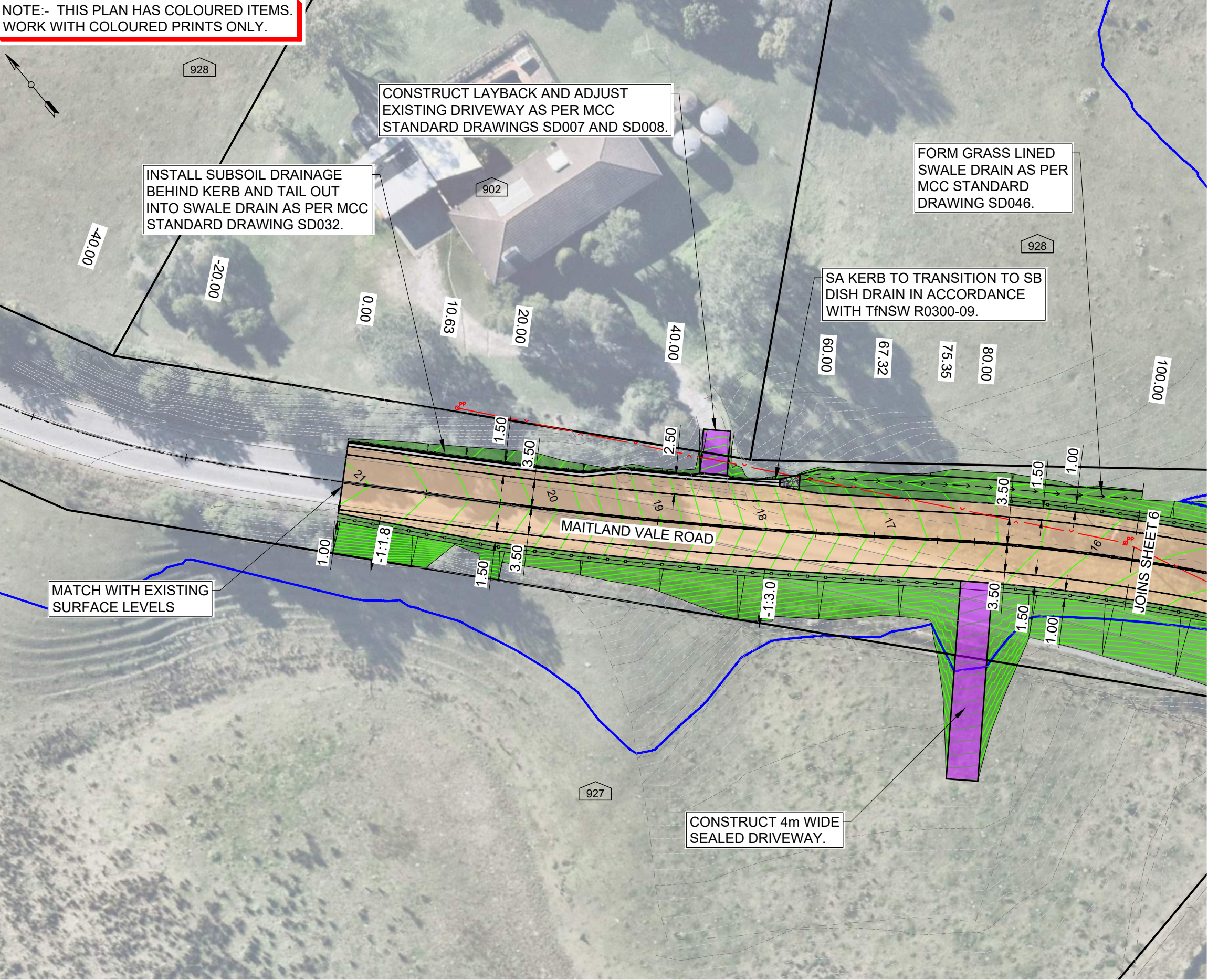
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SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
ALIGNMENT PLAN

PLAN No.
4227-10C
Sheet 4 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
WORK WITH COLOURED PRINTS ONLY.

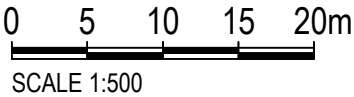


LEGEND

- EXISTING EDGE OF BITUMEN
- EXISTING CONTOUR
- EXISTING PROPERTY BOUNDARY
- EXISTING HOUSE NUMBER
- PROPOSED CONTOUR
- PROPOSED ROAD PAVEMENT
- PROPOSED DRIVEWAY
- PROPOSED 'SA' UPRIGHT KERB
- PROPOSED TURFED BATTER
- PROPOSED LANE EDGELINE
- PROPOSED SAFETY BARRIER
- 20%AEP (1 IN 5 YEAR) HUNTER RIVER FLOOD HEIGHT RL15.100m AHD

EXISTING SERVICES

- EXISTING TELECOM
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING WATER
- EXISTING GAS
- EXISTING SEWER



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100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:500	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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CITY SERVICES

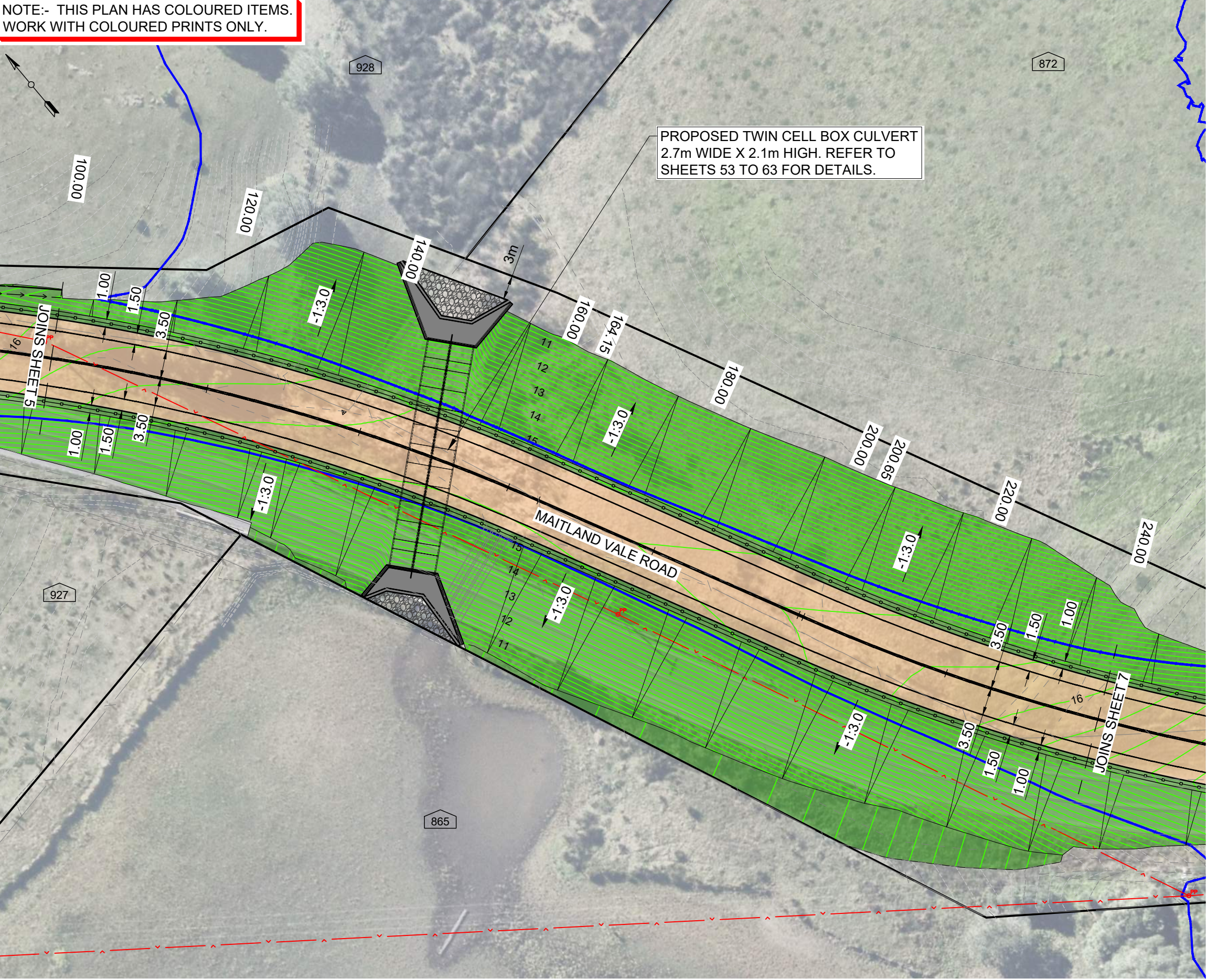
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
DETAIL PLAN CH-40.00 TO CH100.00

PLAN No.
4227-10C
Sheet 5 of 64

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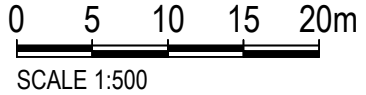


LEGEND

- EXISTING EDGE OF BITUMEN
- EXISTING CONTOUR
- EXISTING PROPERTY BOUNDARY
- EXISTING HOUSE NUMBER
- PROPOSED CONTOUR
- PROPOSED ROAD PAVEMENT
- PROPOSED DRIVEWAY
- PROPOSED 'SA' UPRIGHT KERB
- PROPOSED TURFED BATTER
- PROPOSED LANE EDGELINE
- PROPOSED SAFETY BARRIER
- 20% AEP (1 IN 5 YEAR) HUNTER RIVER FLOOD HEIGHT RL 15.100m AHD

EXISTING SERVICES

- EXISTING TELECOM
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING WATER
- EXISTING GAS
- EXISTING SEWER



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	SHEET REVISION	BY	DATE

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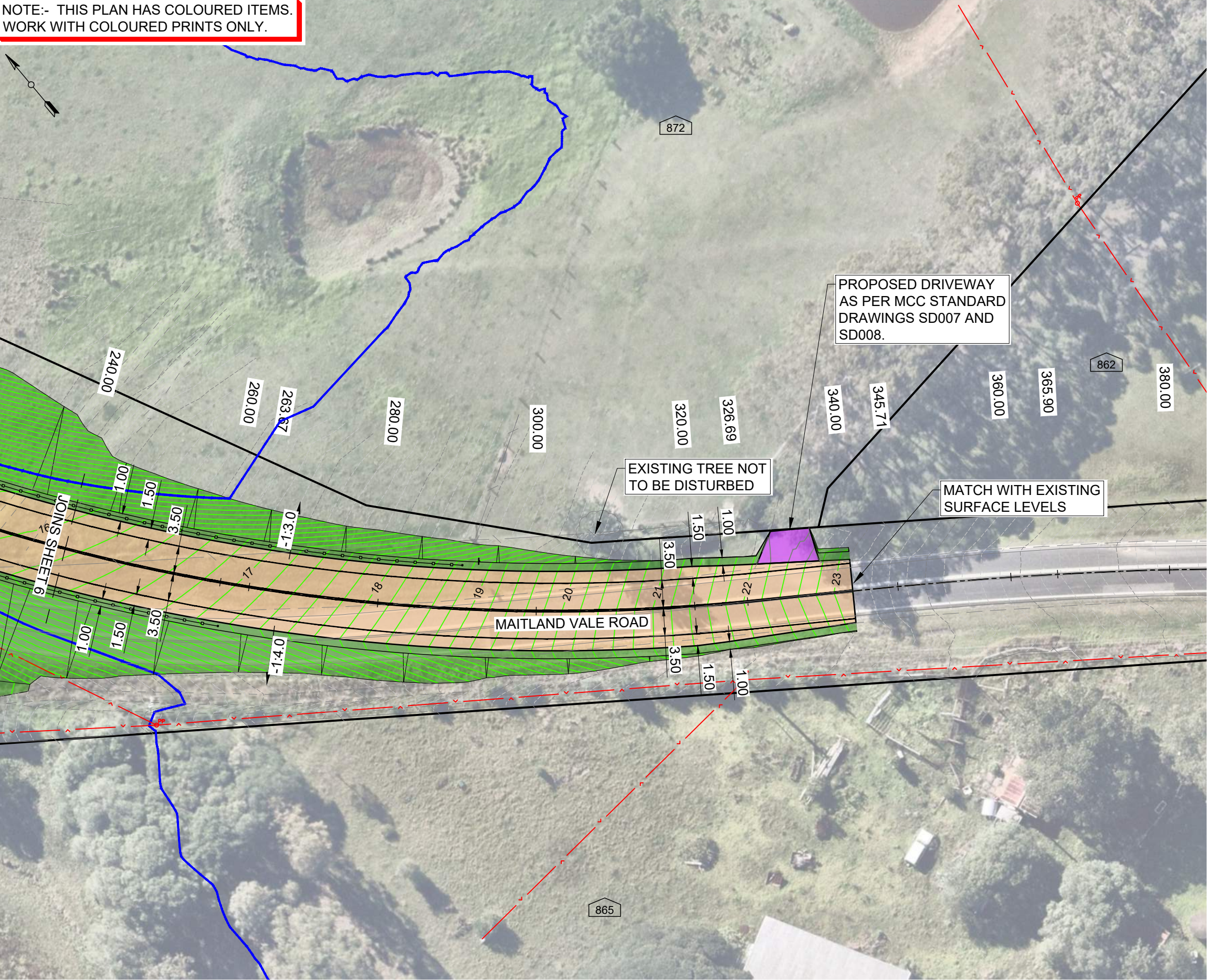
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SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
DETAIL PLAN CH100.00 TO CH240.00

PLAN No.
4227-10C
Sheet 6 of 64

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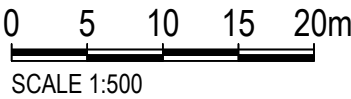


LEGEND

- EXISTING EDGE OF BITUMEN
- EXISTING CONTOUR
- EXISTING PROPERTY BOUNDARY
- EXISTING HOUSE NUMBER
- PROPOSED CONTOUR
- PROPOSED ROAD PAVEMENT
- PROPOSED DRIVEWAY
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- PROPOSED SAFETY BARRIER
- 20% AEP (1 IN 5 YEAR) HUNTER RIVER FLOOD HEIGHT RL15.100m AHD

EXISTING SERVICES

- EXISTING TELECOM
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING WATER
- EXISTING GAS
- EXISTING SEWER



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	SHEET REVISION	BY	DATE

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SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

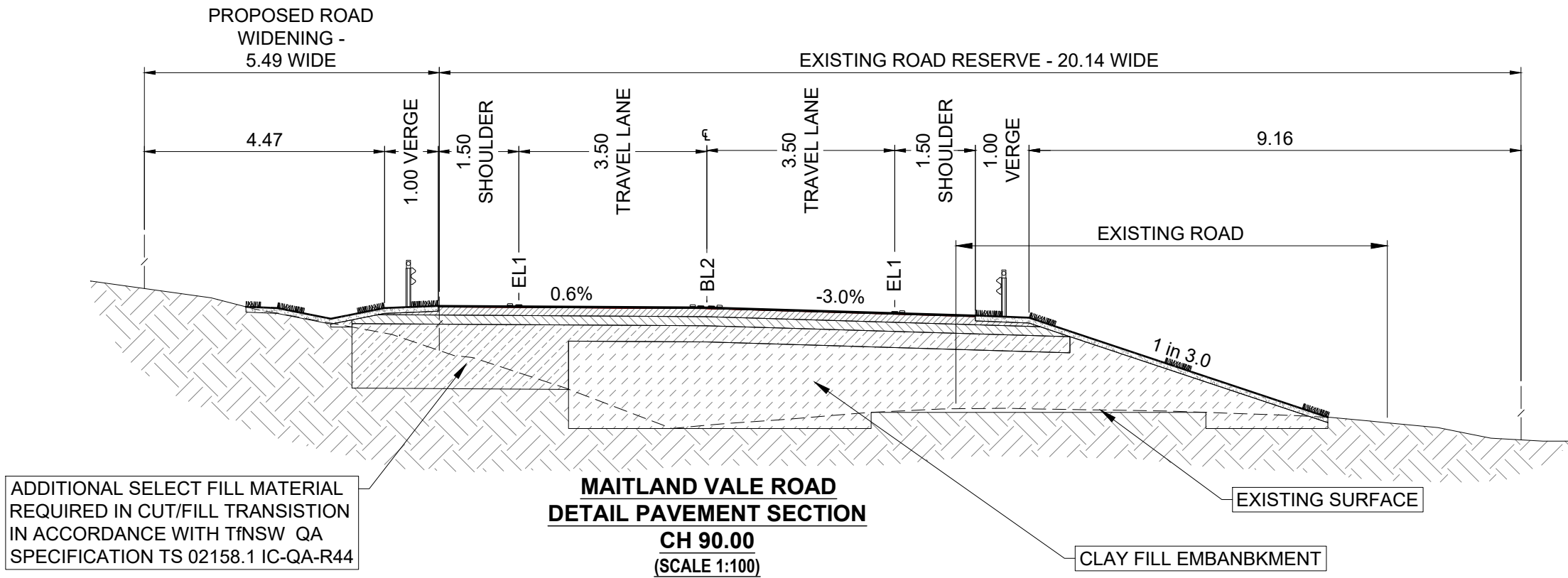
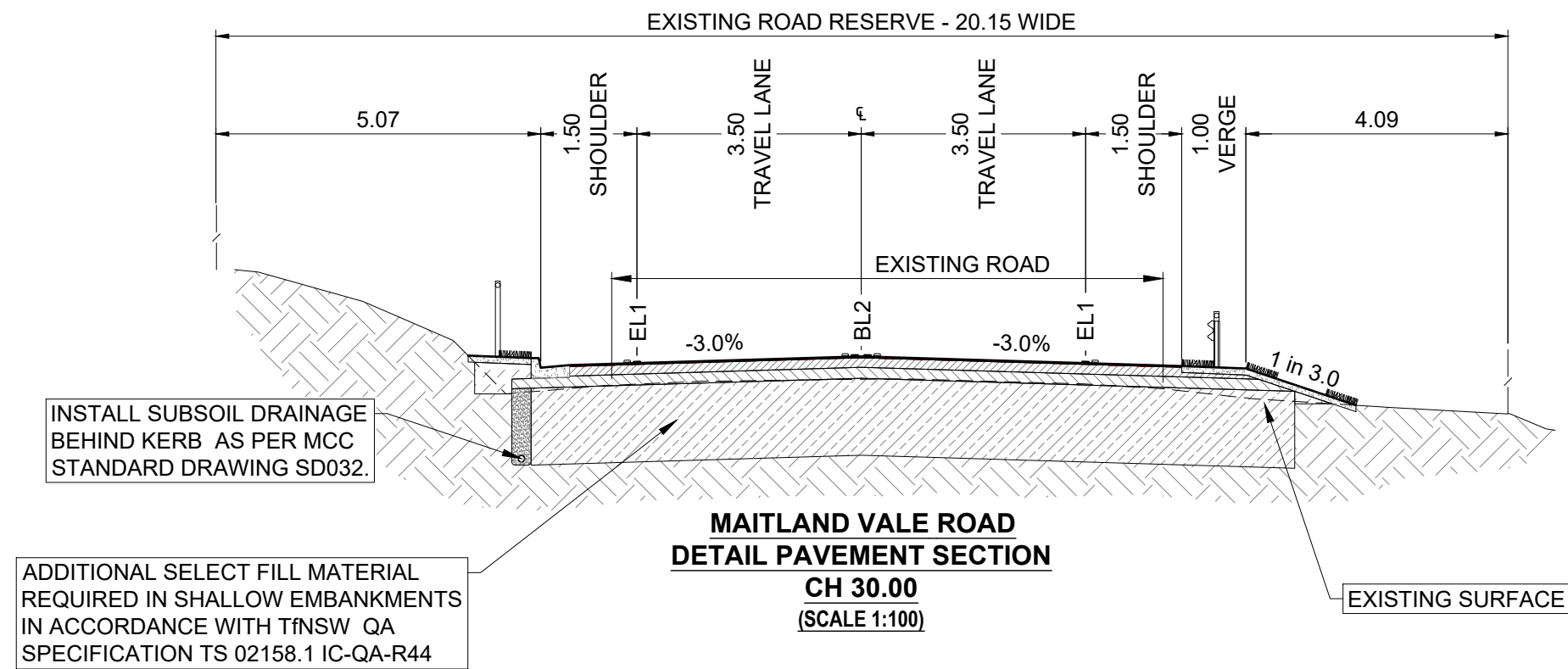
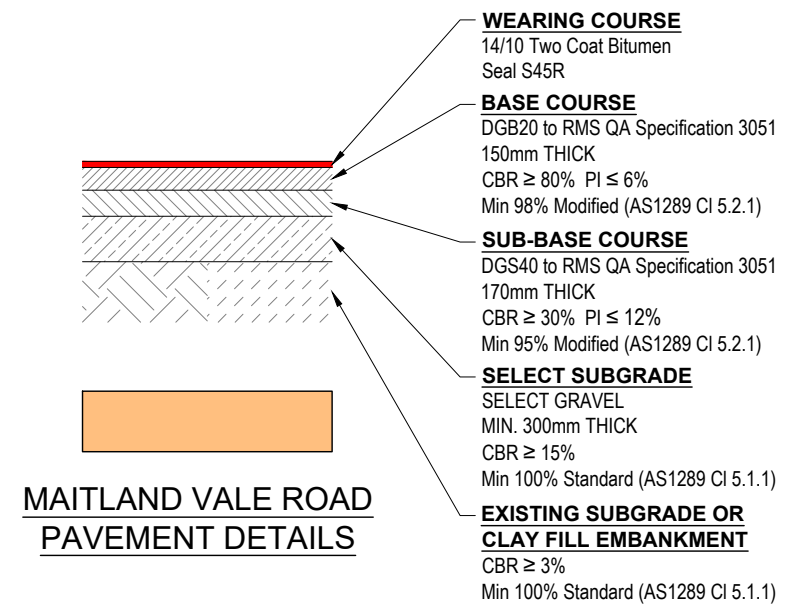
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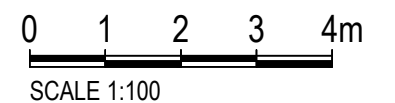
STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
DETAIL PLAN CH240.00 TO CH380.00

PLAN No.
4227-10C
Sheet 7 of 64



REFER TO TABLE 14-1 FLEXIBLE PAVEMENT MINIMUM
THICKNESS DESIGN IN HUNTER GEOTECHNICAL SERVICES
REPORT G0871-GI-002-Rev0 DATED 05/05/2025.

GEOTECHNICAL REPORT LOCATION: - \\admins\Survey and
Design\Task Folders 2425\SEC - Maitland Vale Rd Rosebrook -
Flood Upgrade - 4227\04 GEOTECH\Geotech
Report\G0871-GI-002-Rev0 - Rosebrook.pdf"



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RATIO @A3
Ratio: 1:100

SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

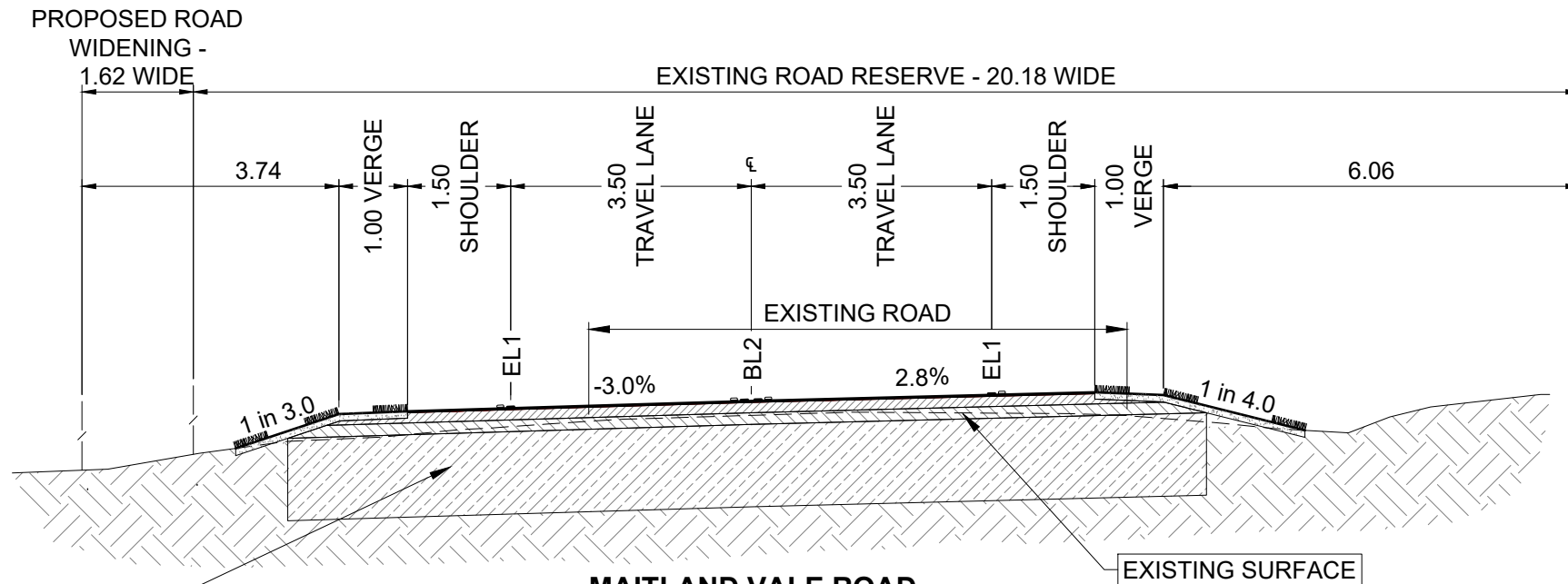
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
DETAILED SECTIONS - SHEET 1

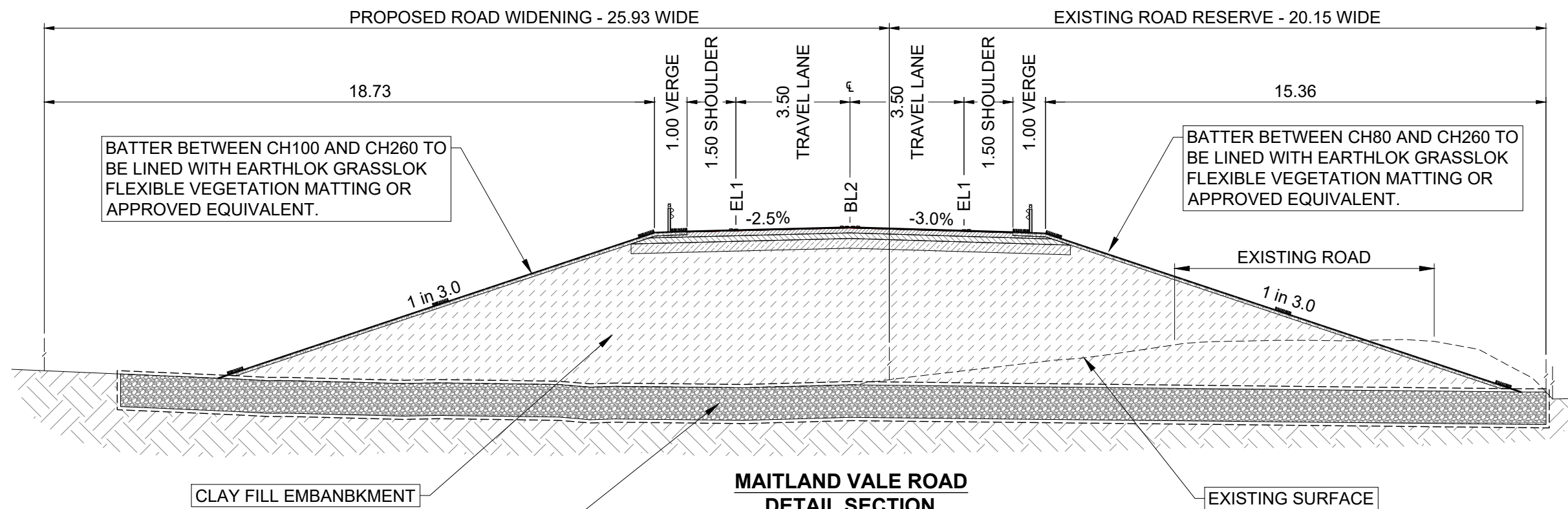
PLAN No.
4227-10C
Sheet 8 of 64



**MAITLAND VALE ROAD
DETAIL SECTION
CH 300.00
(SCALE 1:100)**

ADDITIONAL SELECT FILL MATERIAL
REQUIRED IN SHALLOW EMBANKMENTS
IN ACCORDANCE WITH TfNSW QA
SPECIFICATION TS 02158.1 IC-QA-R44

0 1 2 3 4m
SCALE 1:100



**MAITLAND VALE ROAD
DETAIL SECTION
CH 170.00
(SCALE 1:150)**

BATTER BETWEEN CH100 AND CH260 TO
BE LINED WITH EARTHLOK GRASSLOK
FLEXIBLE VEGETATION MATTING OR
APPROVED EQUIVALENT.

BATTER BETWEEN CH80 AND CH260 TO
BE LINED WITH EARTHLOK GRASSLOK
FLEXIBLE VEGETATION MATTING OR
APPROVED EQUIVALENT.

CLAY FILL EMBANKMENT

MINIMUM 1m THICK 30-70mm DURABLE CRUSHED ROCK,
EXTENDING 3m BEYOND THE TOE OF FILL EMBANKMENT
BETWEEN CH130 AND CH220. ROCK LAYER TO BE
WRAPPED WITH BIDIM A34 OR SIMILAR GEOGRID

0 1.5 3 4.5 6m
SCALE 1:150

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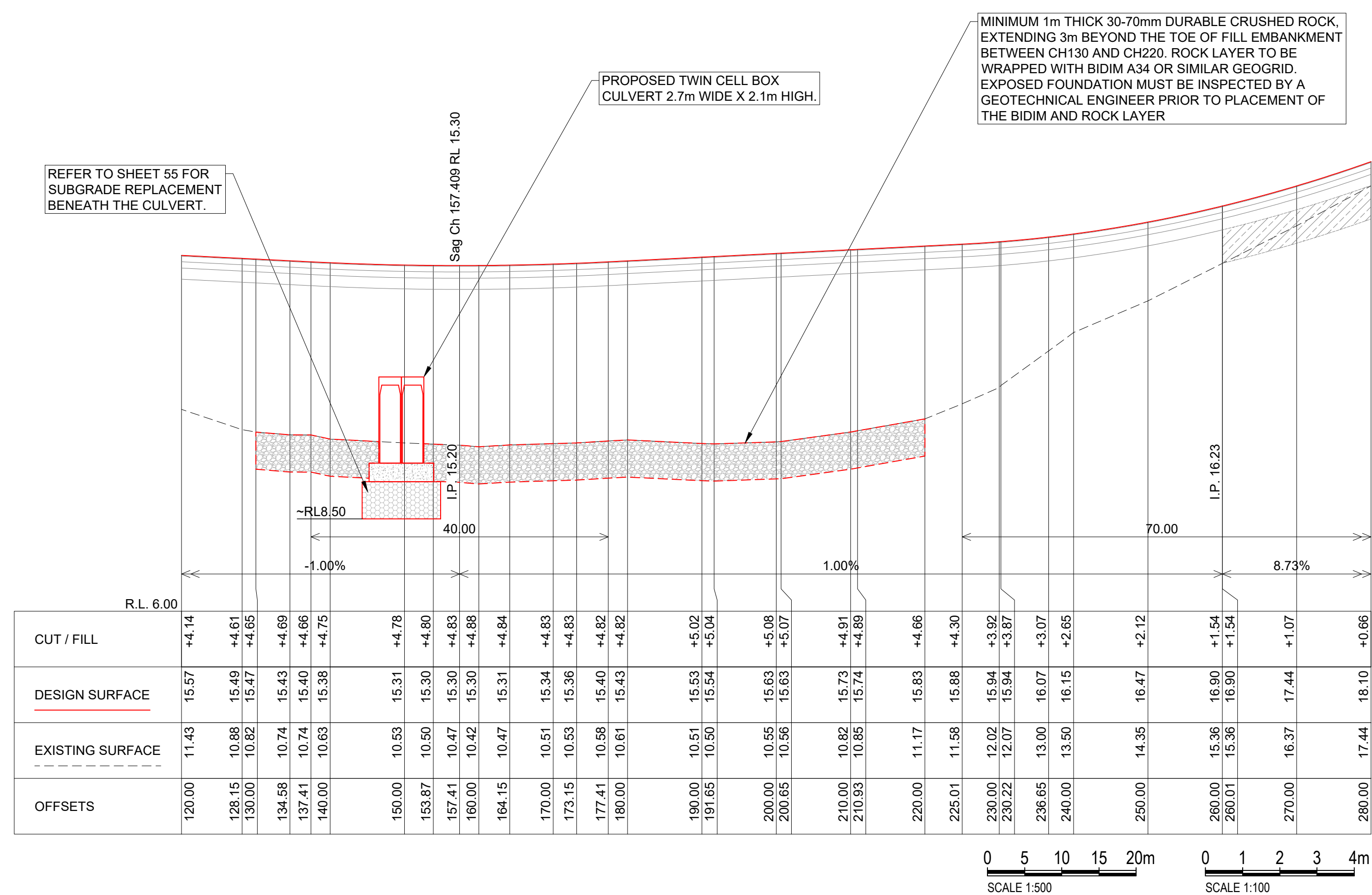
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RATIO @A3 Ratio: Varies	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
DETAILED SECTIONS - SHEET 2

PLAN No.
4227-10C
Sheet 9 of 64



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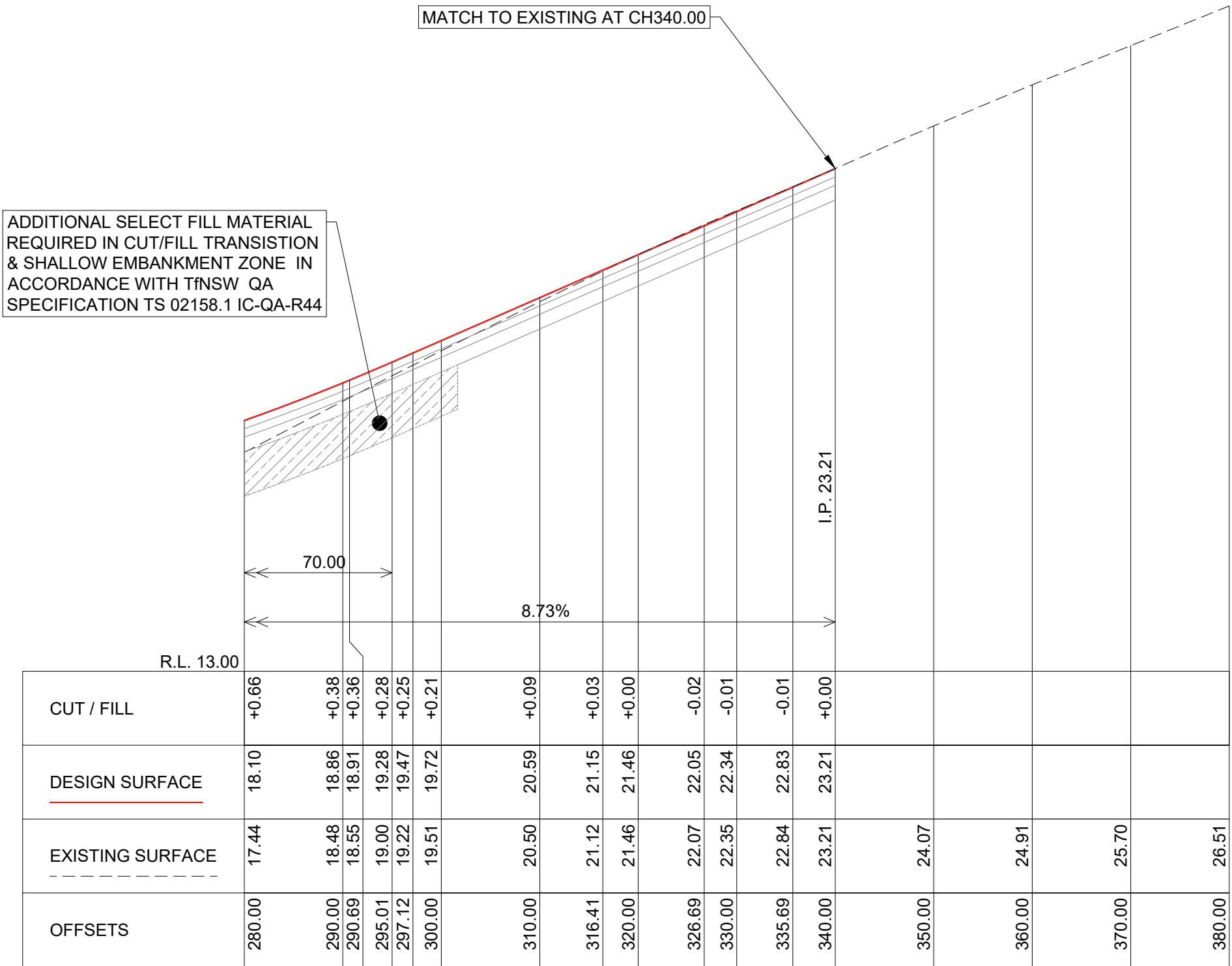
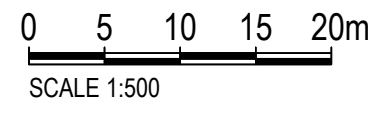
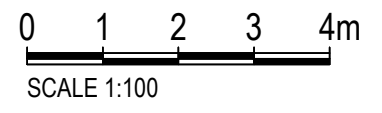
100% DETAILED
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CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:500	
Vertical Ratio: 1:100	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
LONGITUDINAL SECTION - SHEET 2

PLAN No.
4227-10C
Sheet 11 of 64



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	SHEET REVISION	BY	DATE

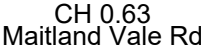
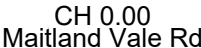
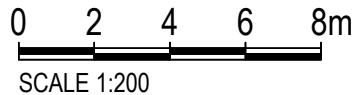
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DESIGN - NOT FOR
CONSTRUCTION

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Vertical Ratio: 1:100	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
LONGITUDINAL SECTION - SHEET 3

PLAN No.
4227-10C
Sheet 12 of 64



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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

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Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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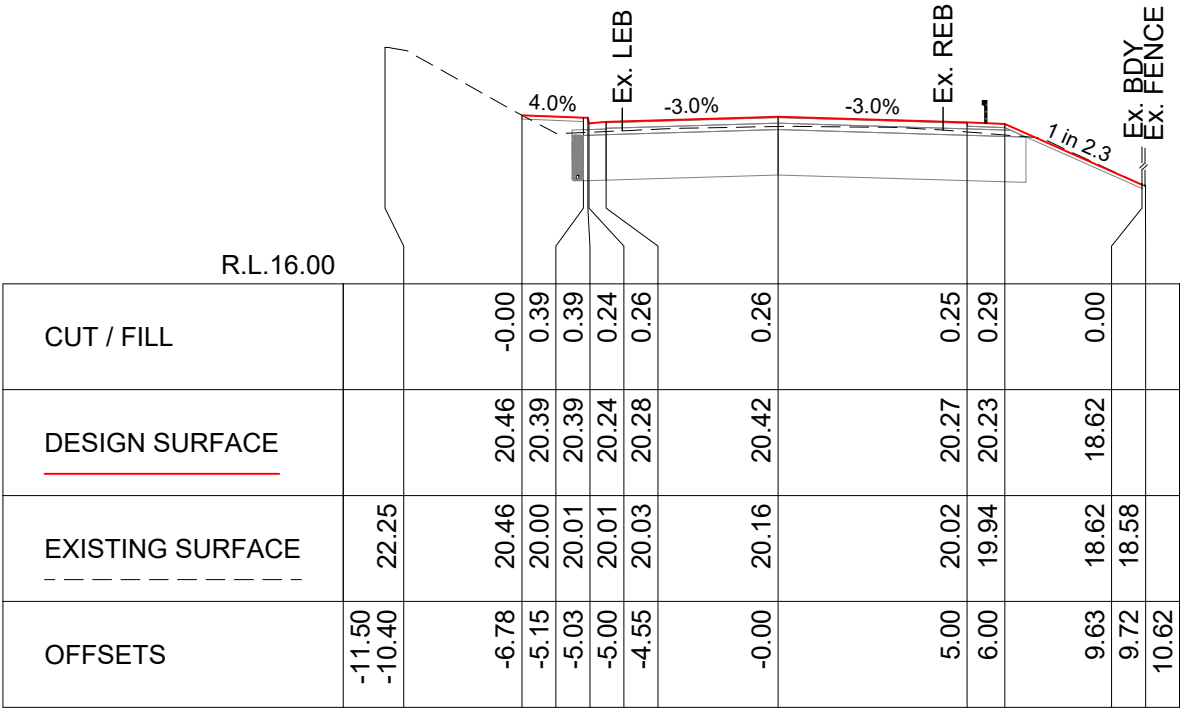
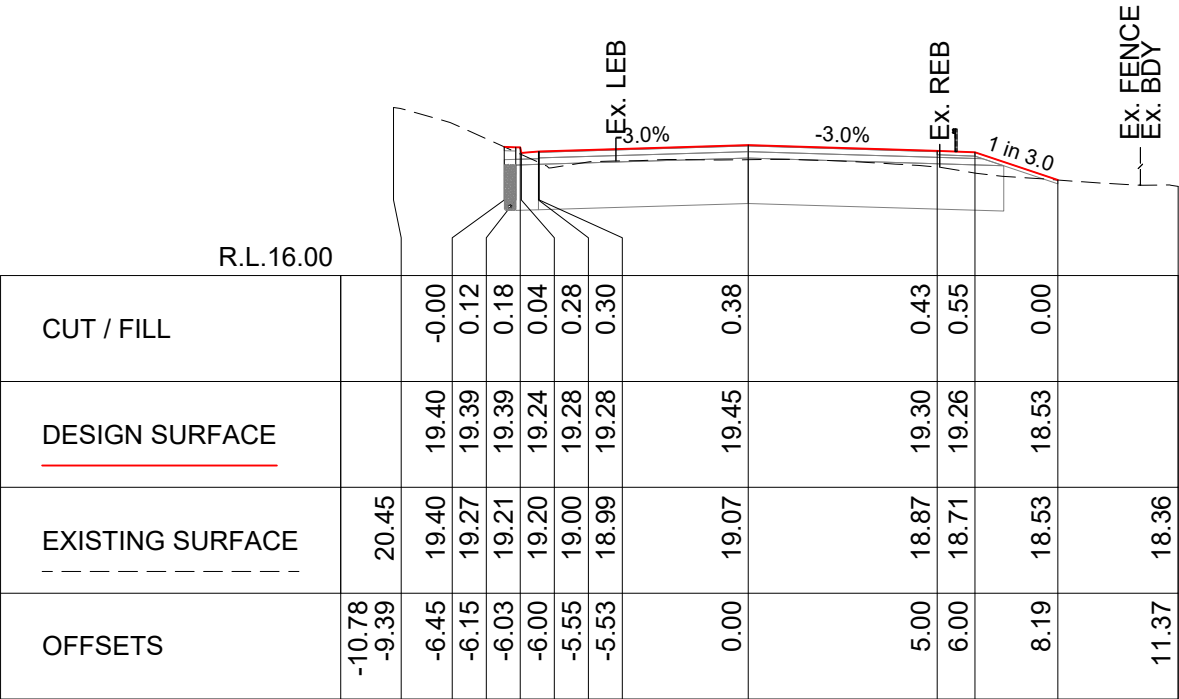
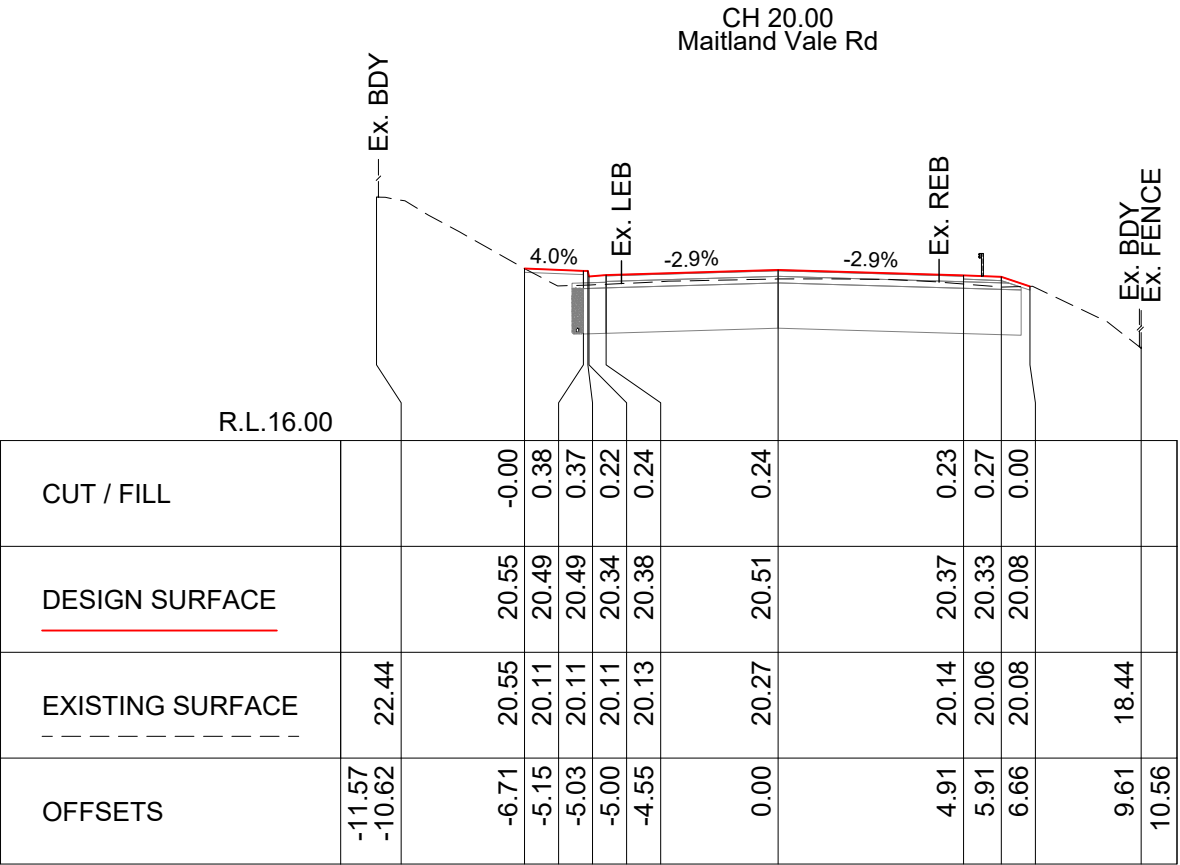
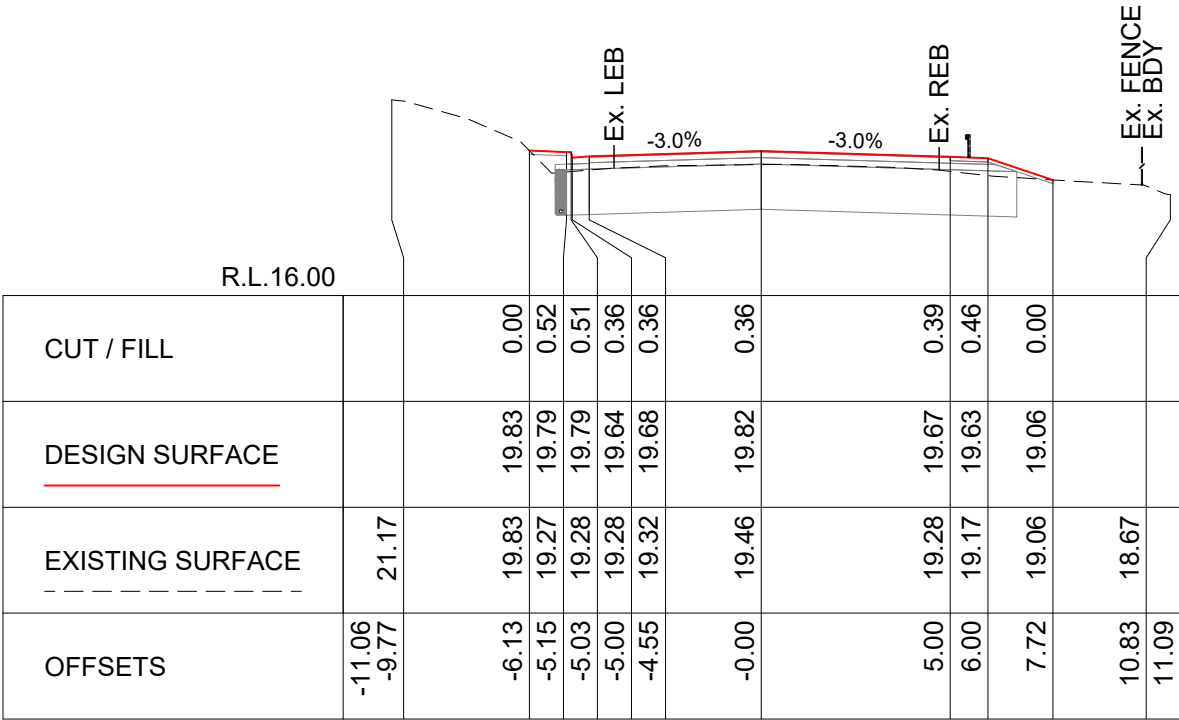
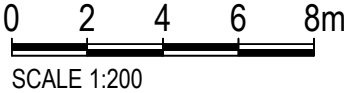
STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 1

PLAN No.

4227-10C

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DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3
Horizontal Ratio: 1:200
Vertical Ratio: 1:200
SURVEYOR
K. Wilcox
DESIGNER
C. Parsons
DATUM
A.H.D.
DATE OF PLAN
15/09/2026

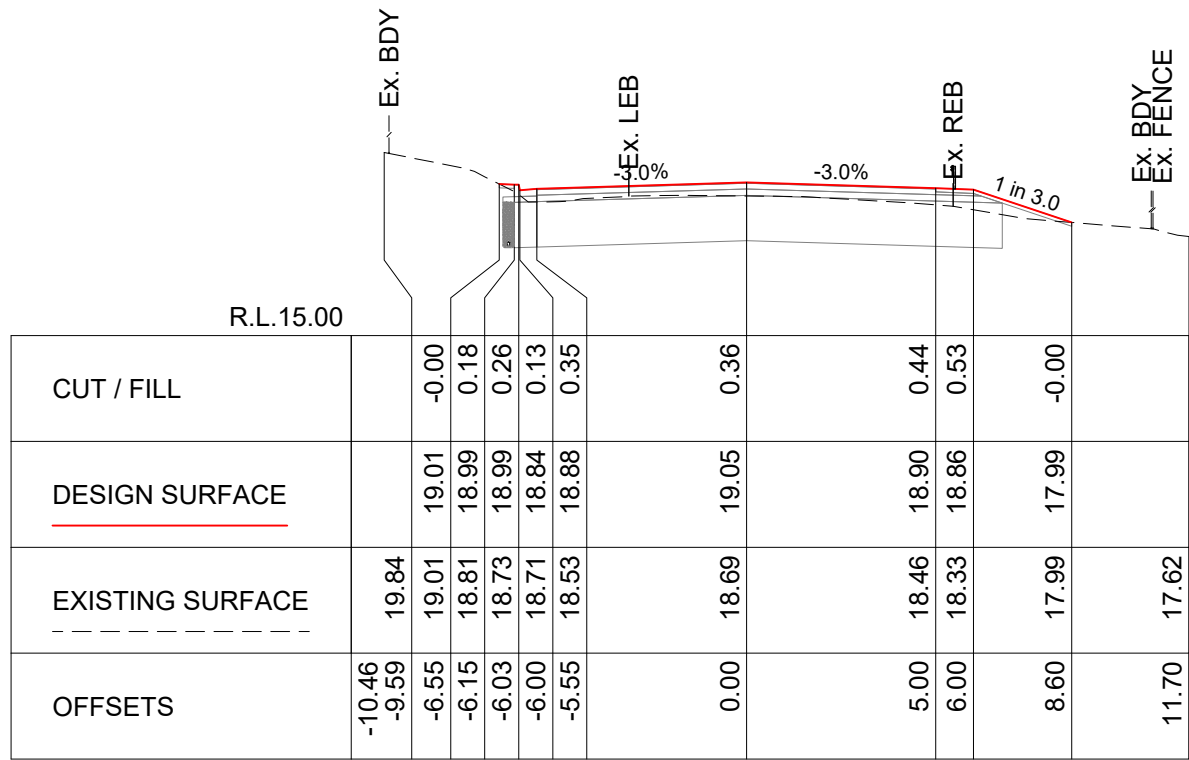
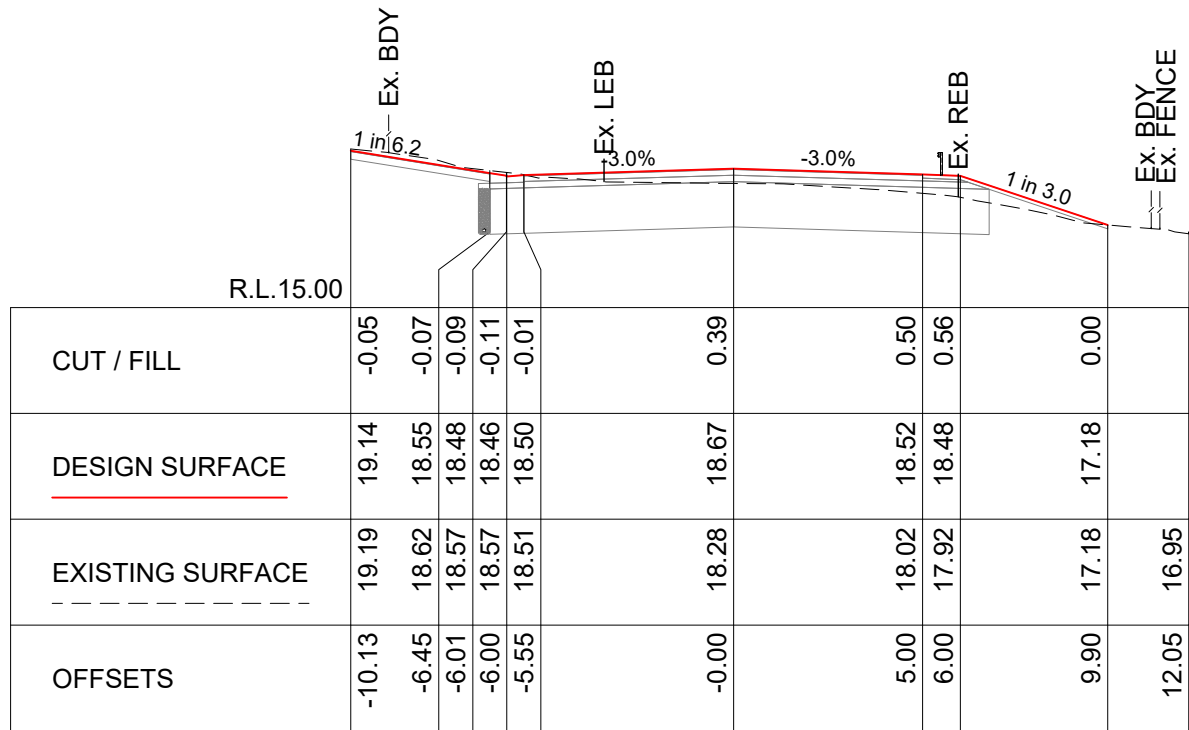
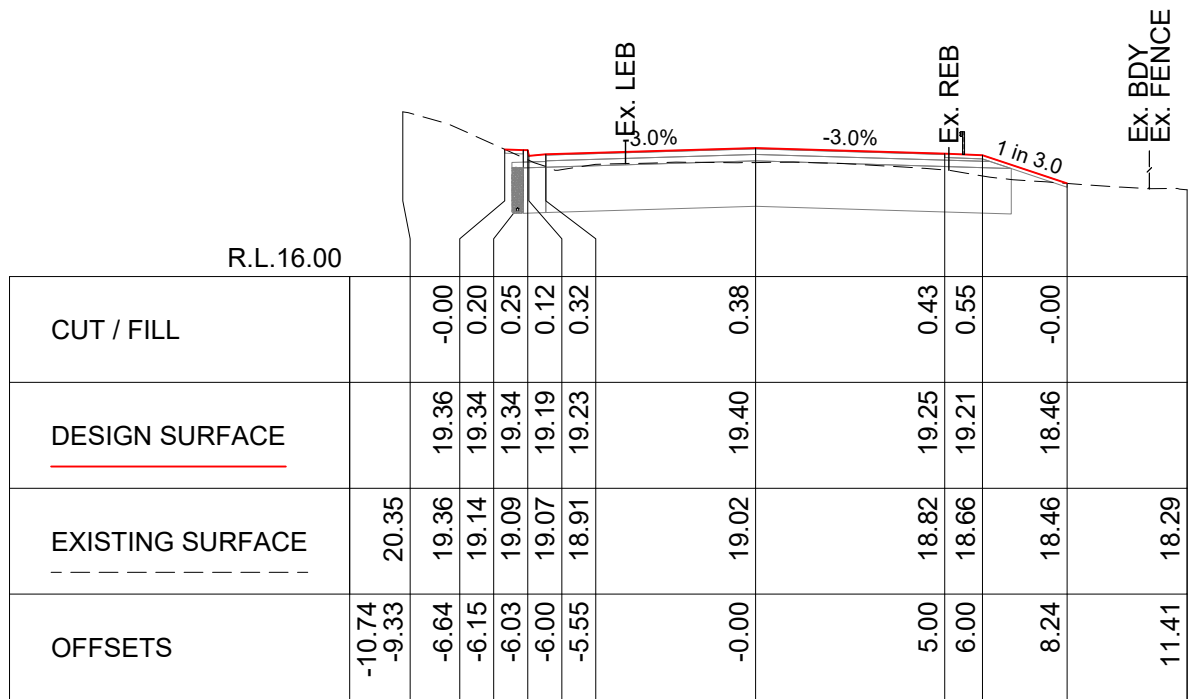
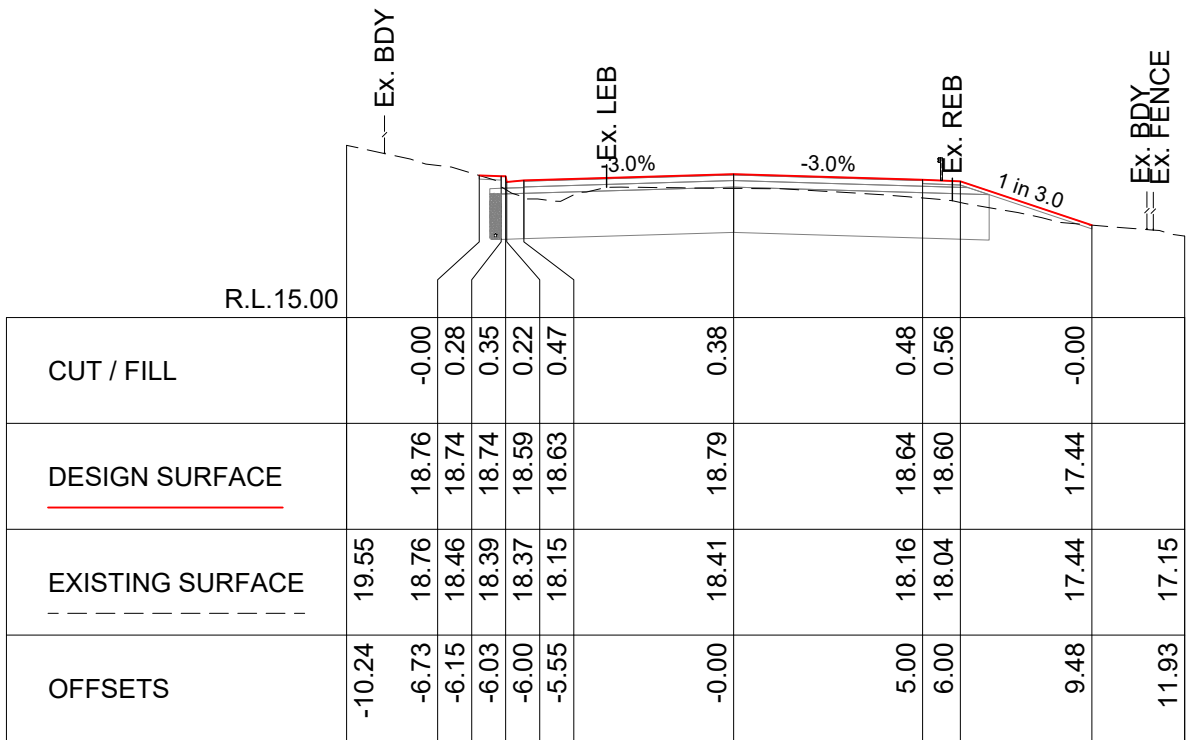
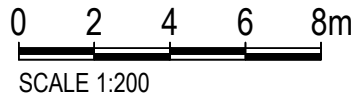
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 2

PLAN No.
4227-10C
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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

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B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
SHEET REVISION		BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 3

PLAN No.
4227-10C
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0 2 4 6 8m
SCALE 1:200

C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
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Vertical Ratio: 1:200	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

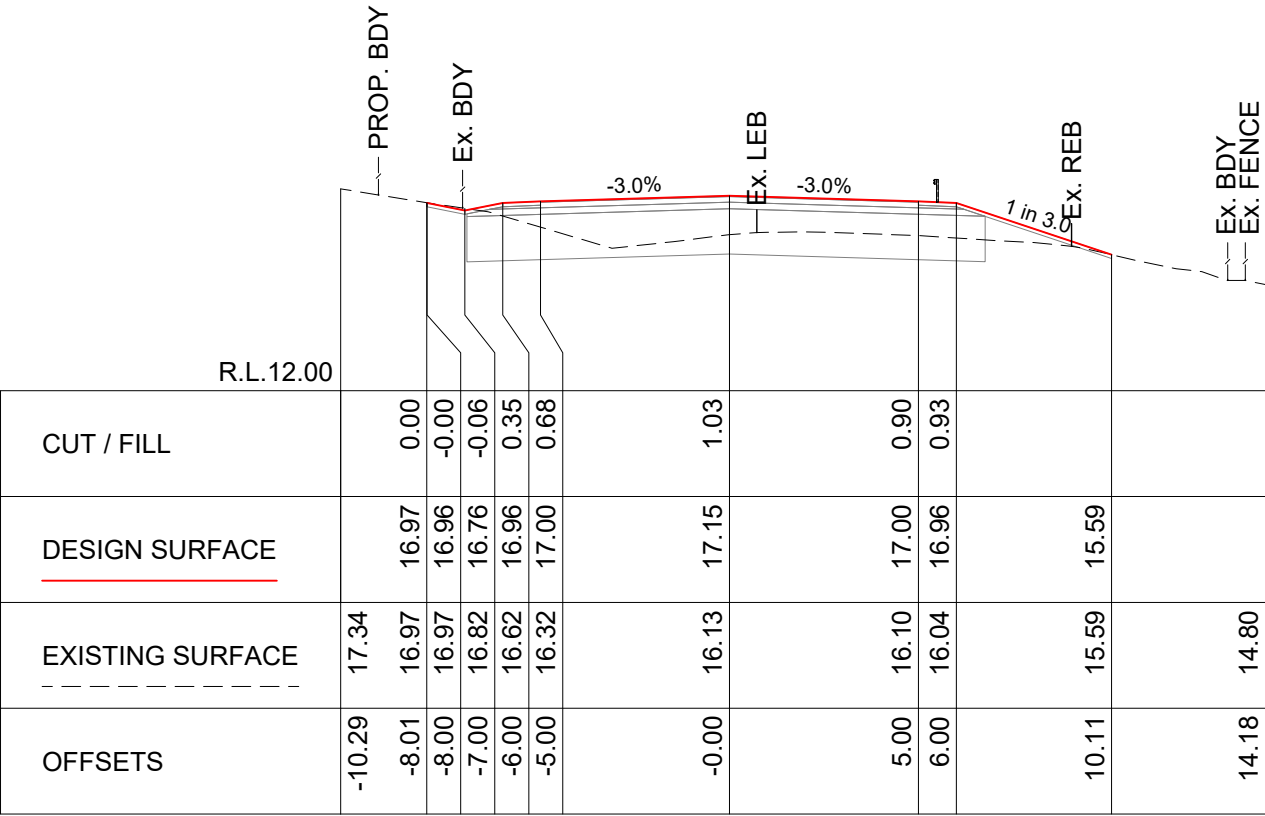
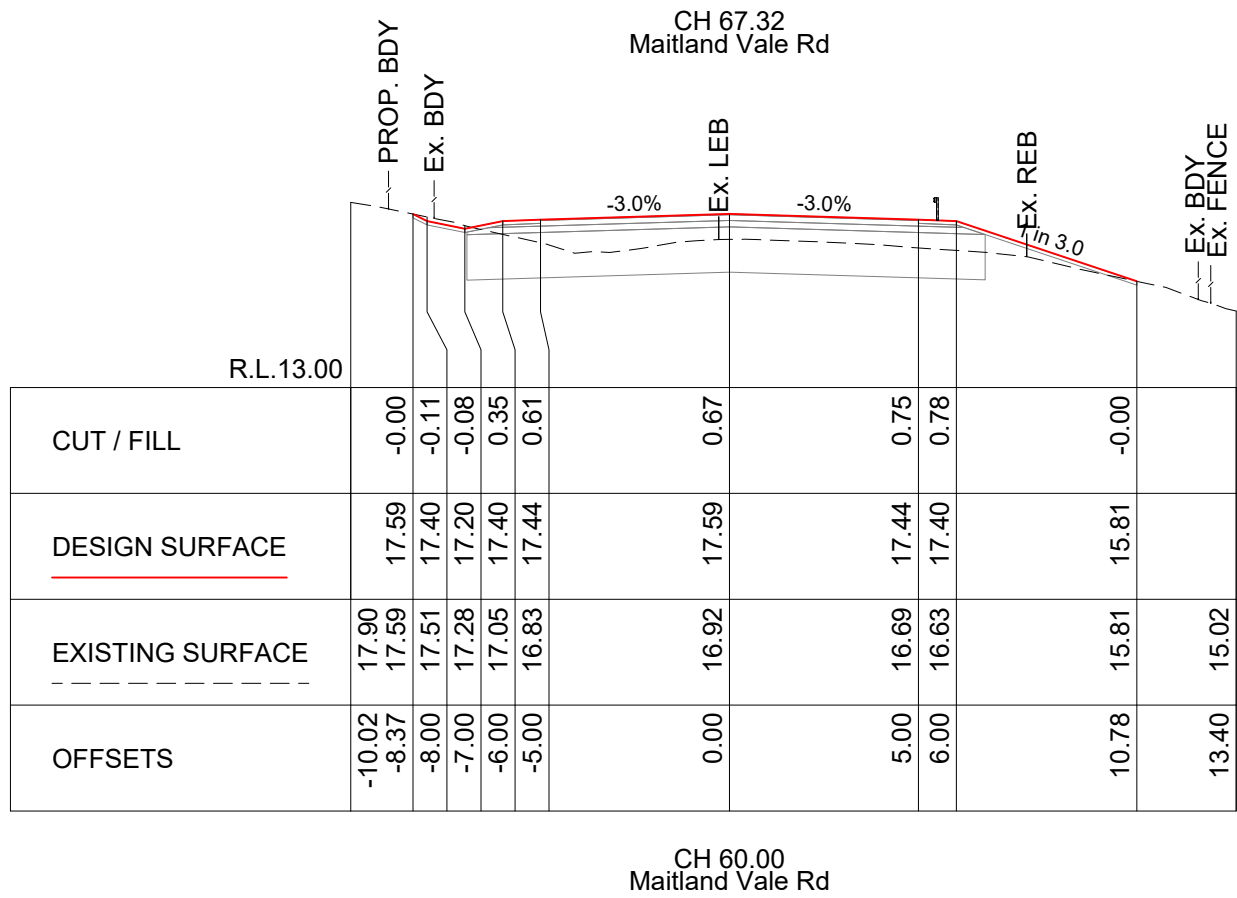
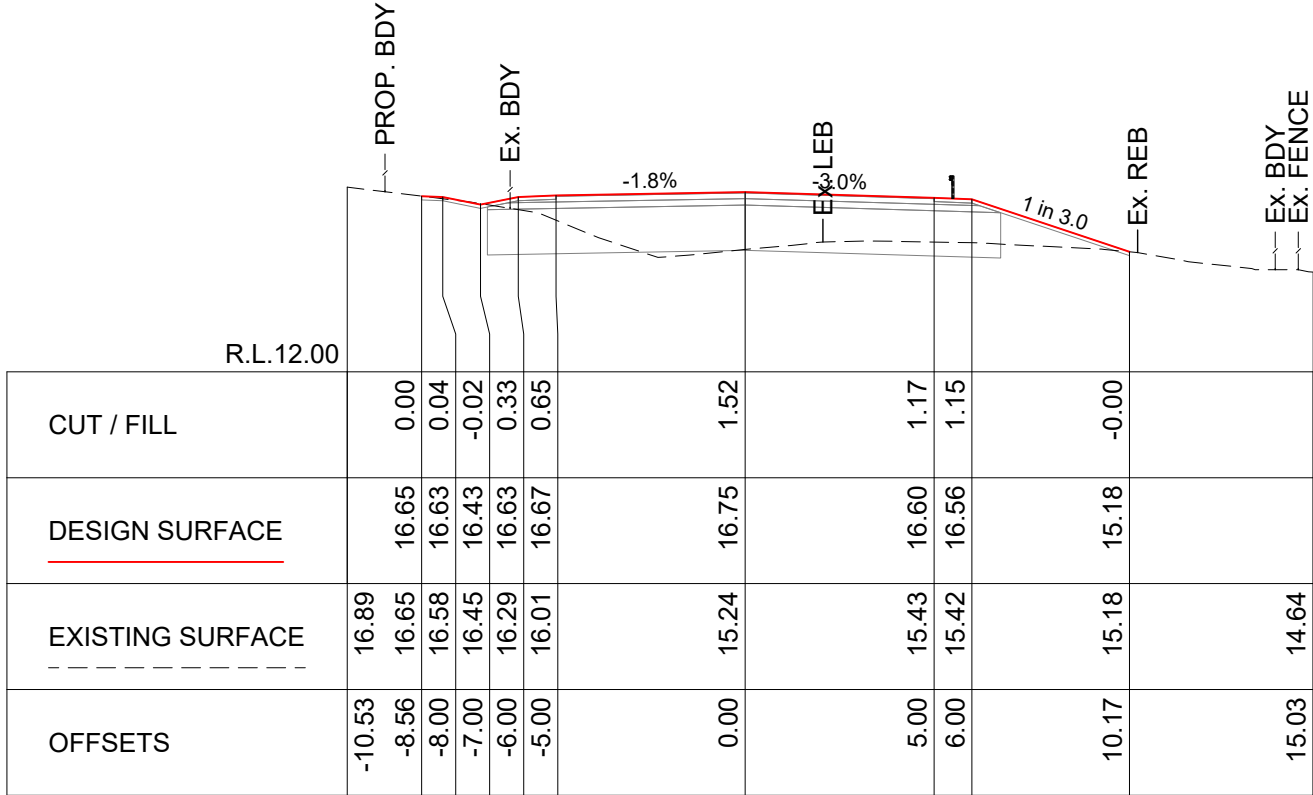
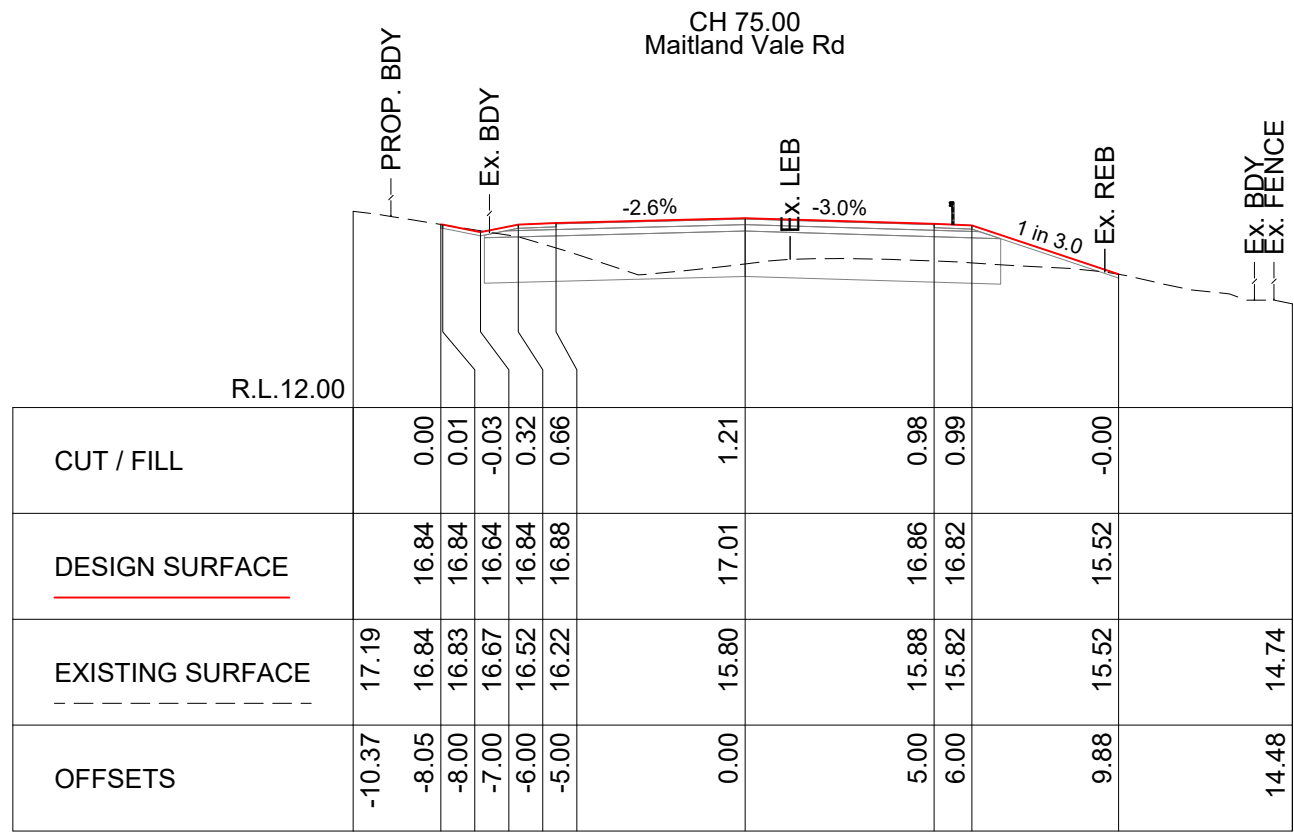
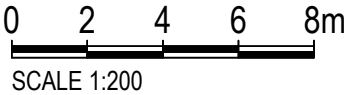
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 4

PLAN No.
4227-10C
Sheet 16 of 64



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DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3

Horizontal Ratio: 1:200
Vertical Ratio: 1:200

SURVEYOR
K. Wilcox

DATUM
A.H.D.

DESIGNER
C. Parsons

DATE OF PLAN
15/09/2026

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CITY SERVICES

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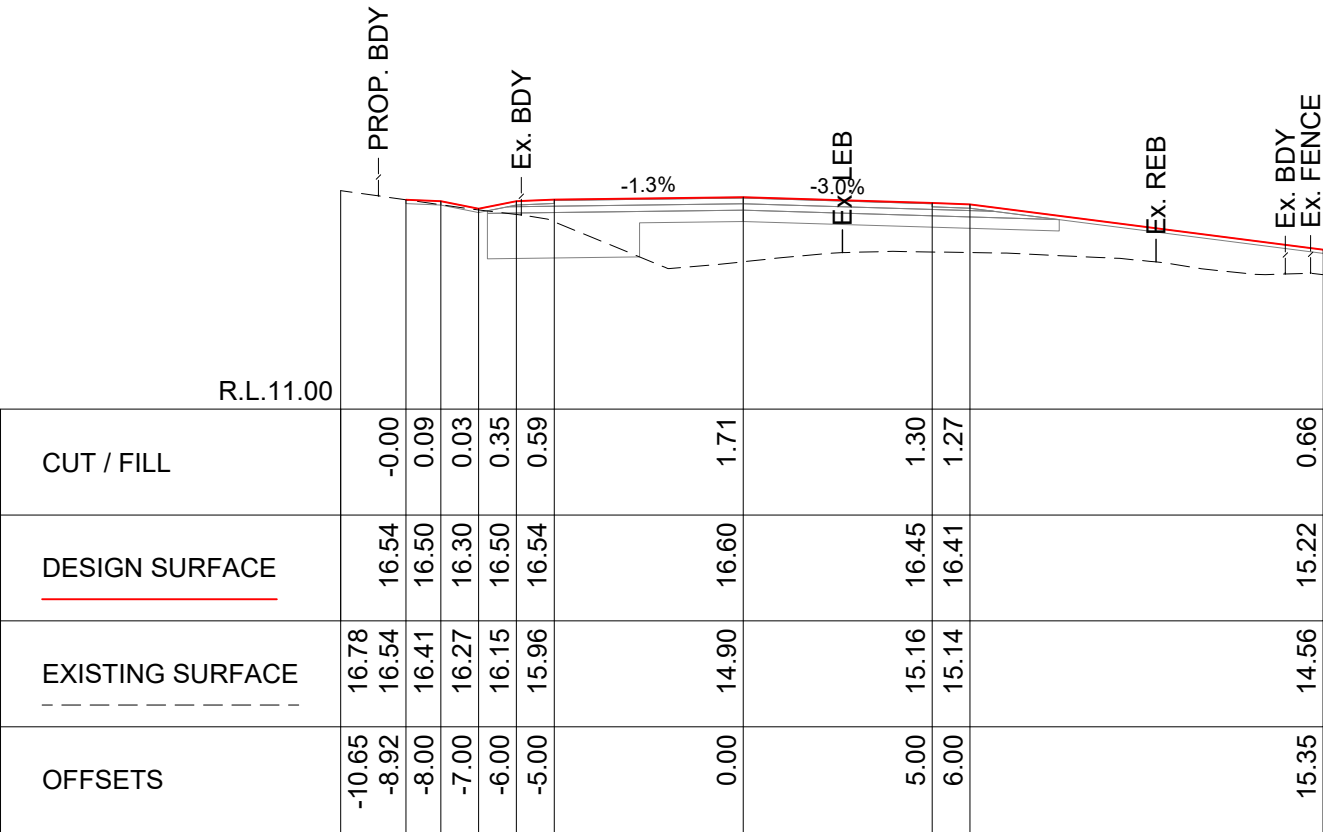
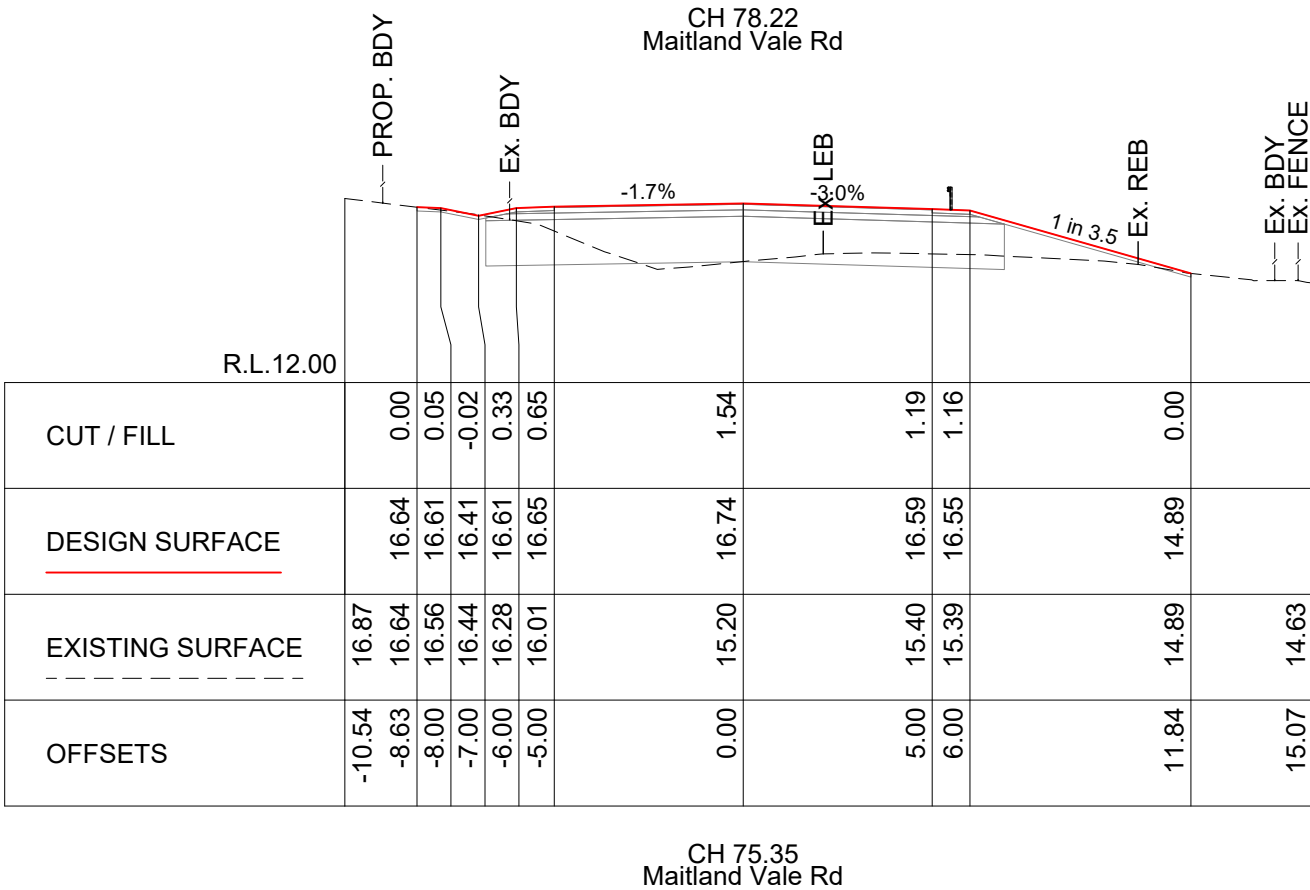
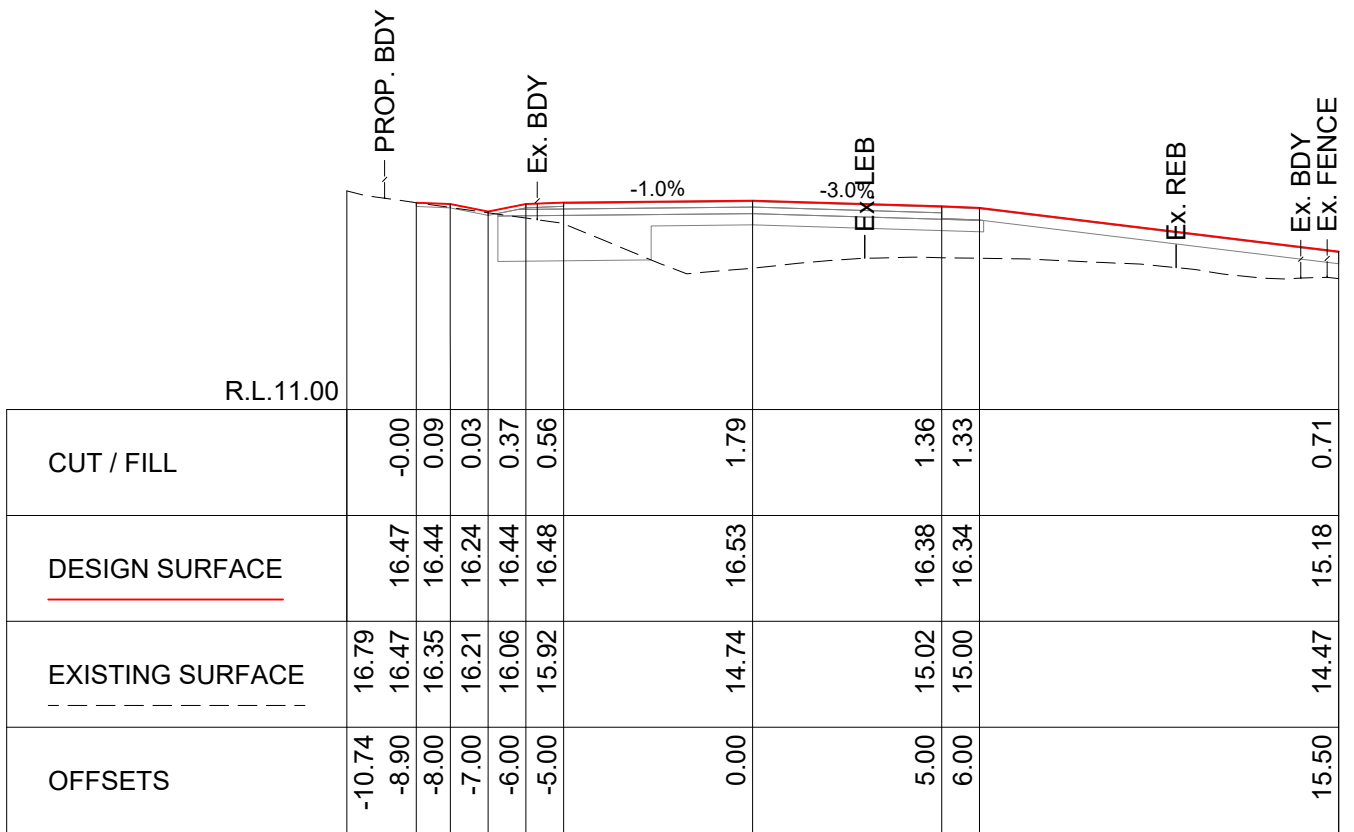
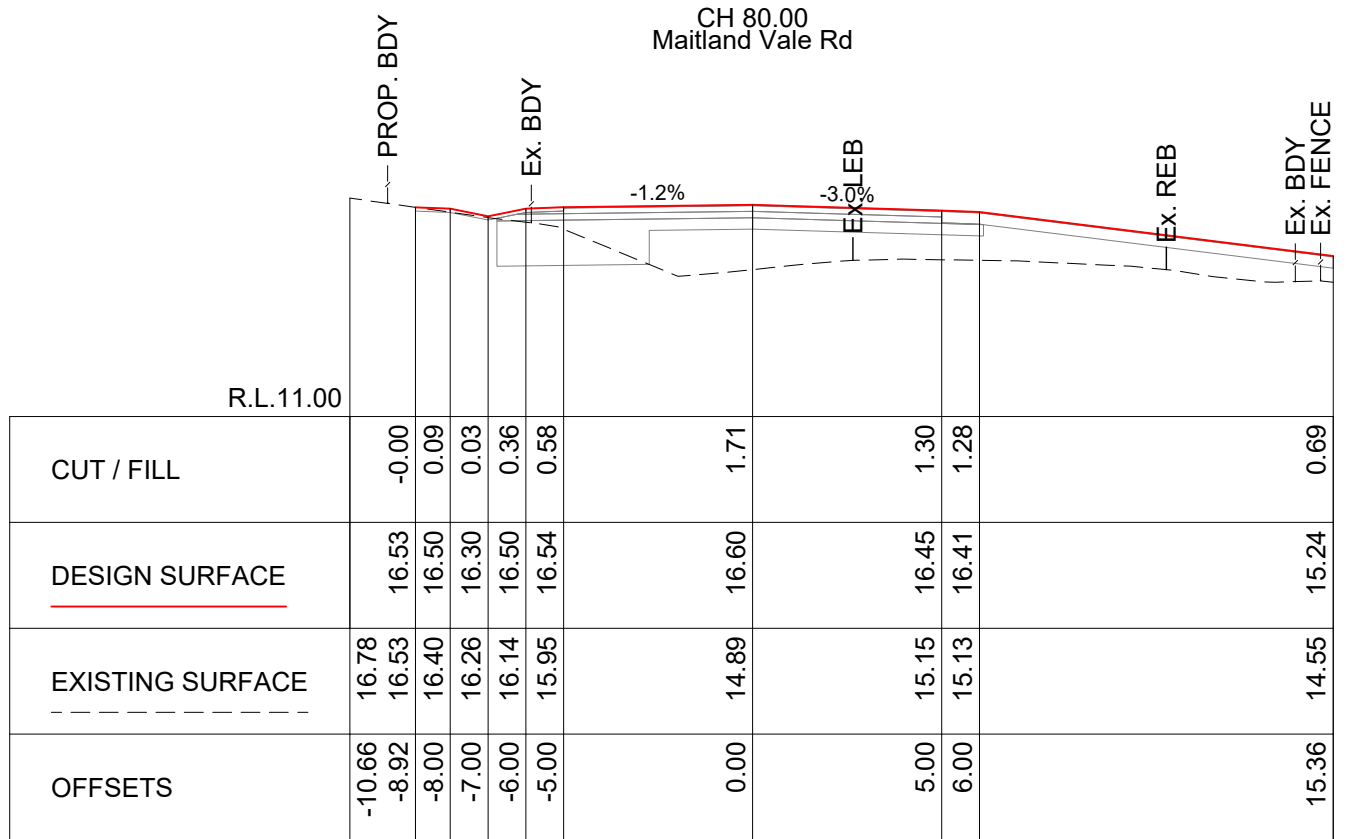
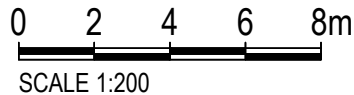
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 5

PLAN No.

4227-10C

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C	100% DETAILED DESIGN	CP	15/09/2026
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A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

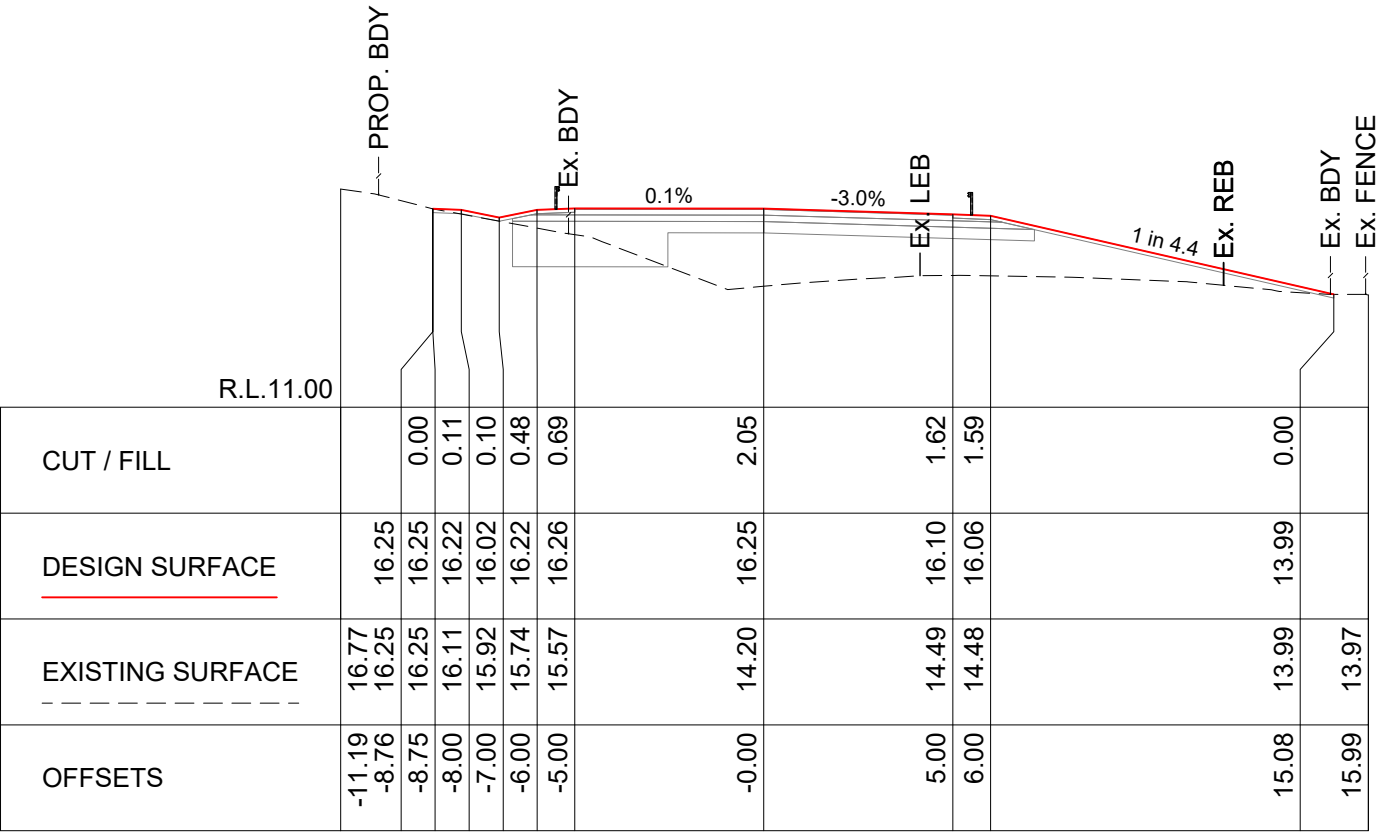
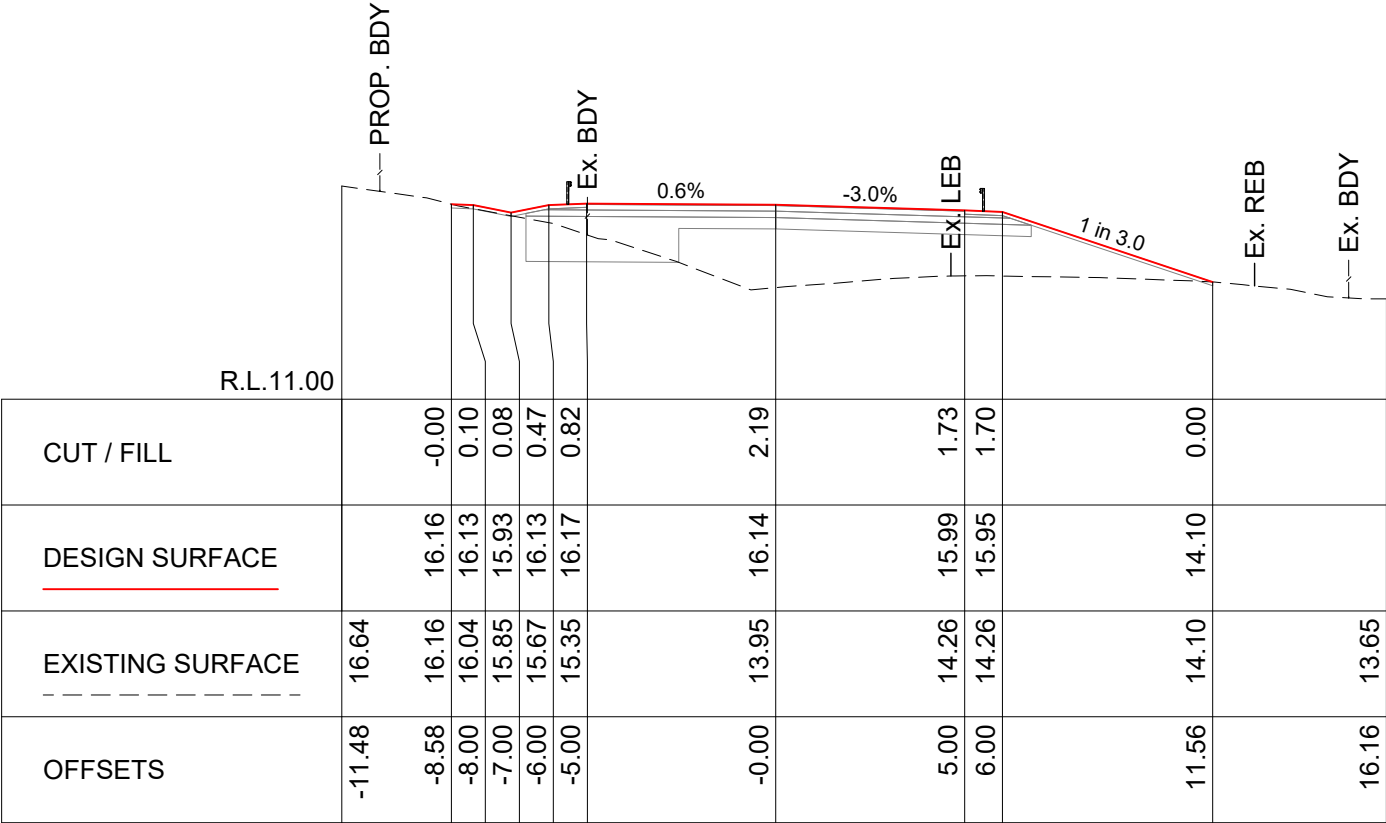
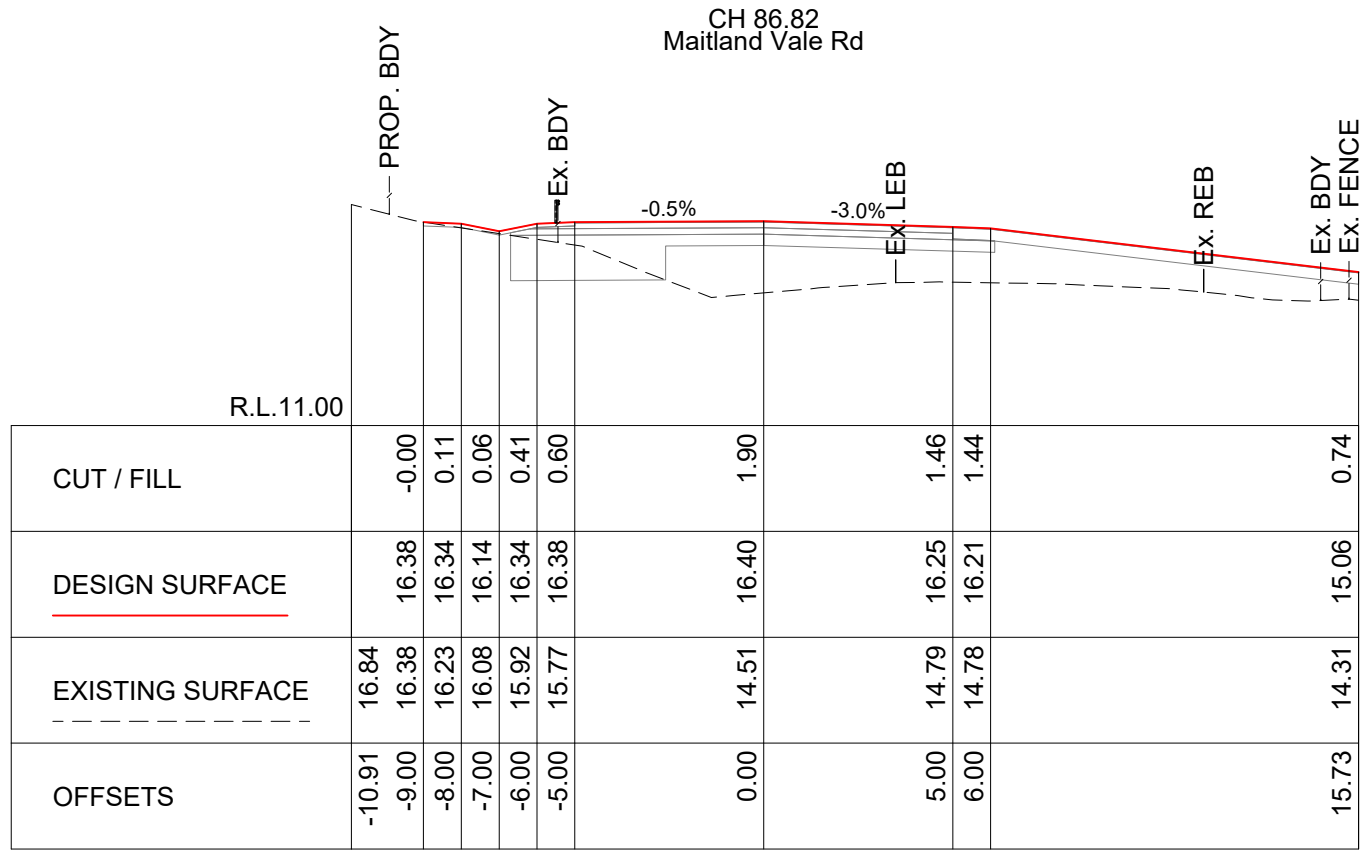
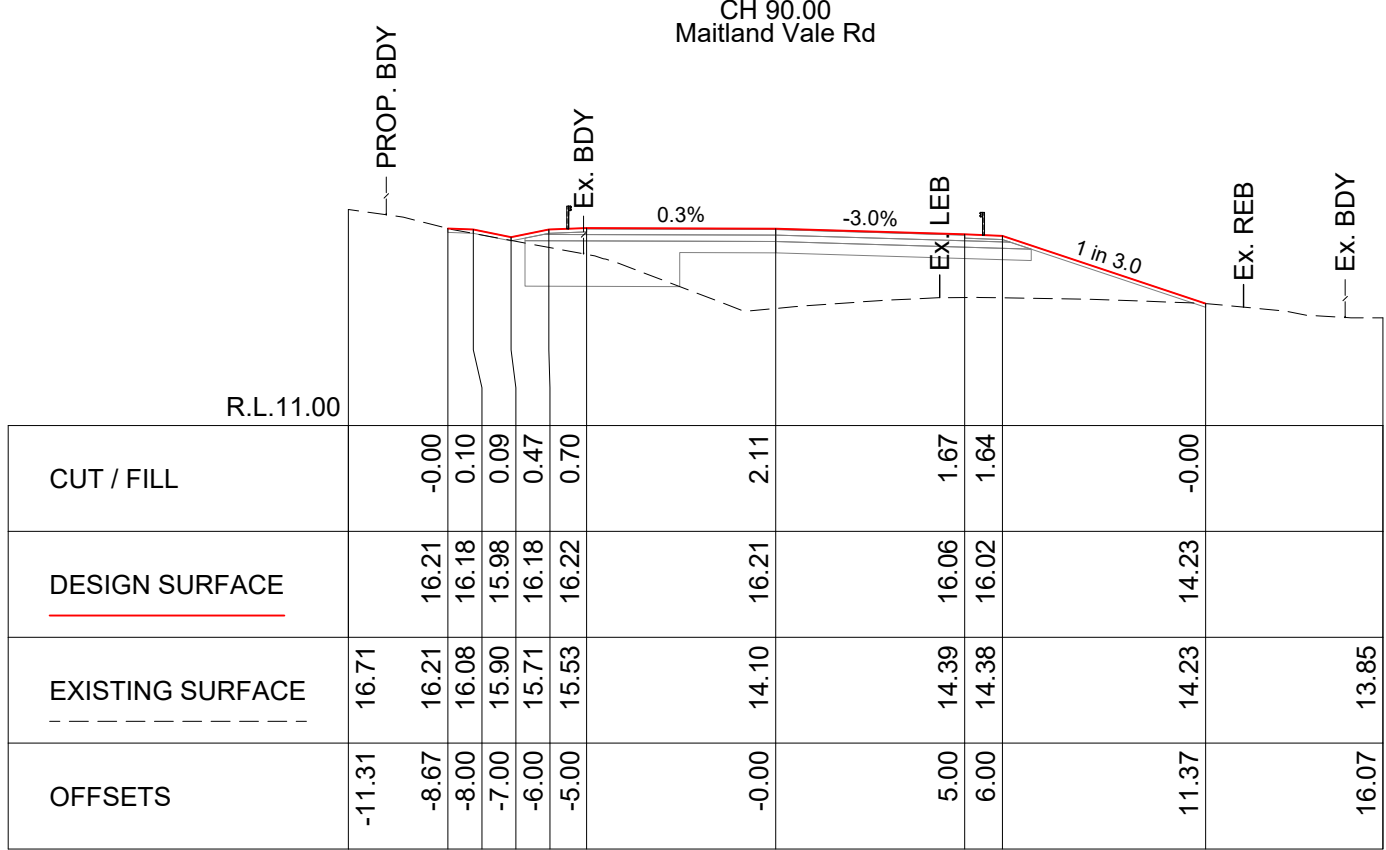
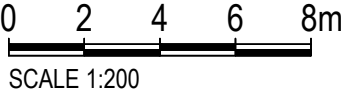
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 6

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4227-10C
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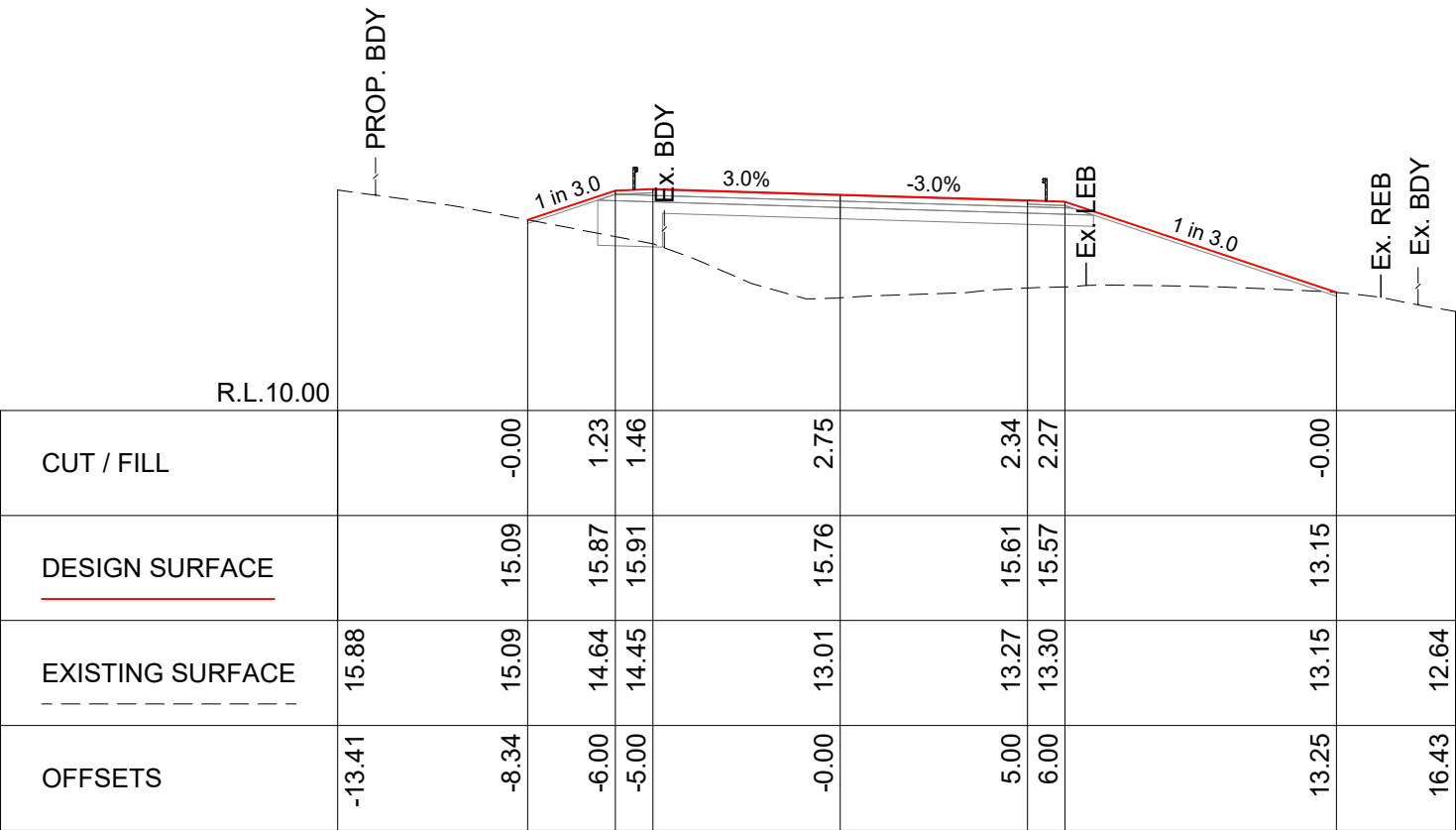
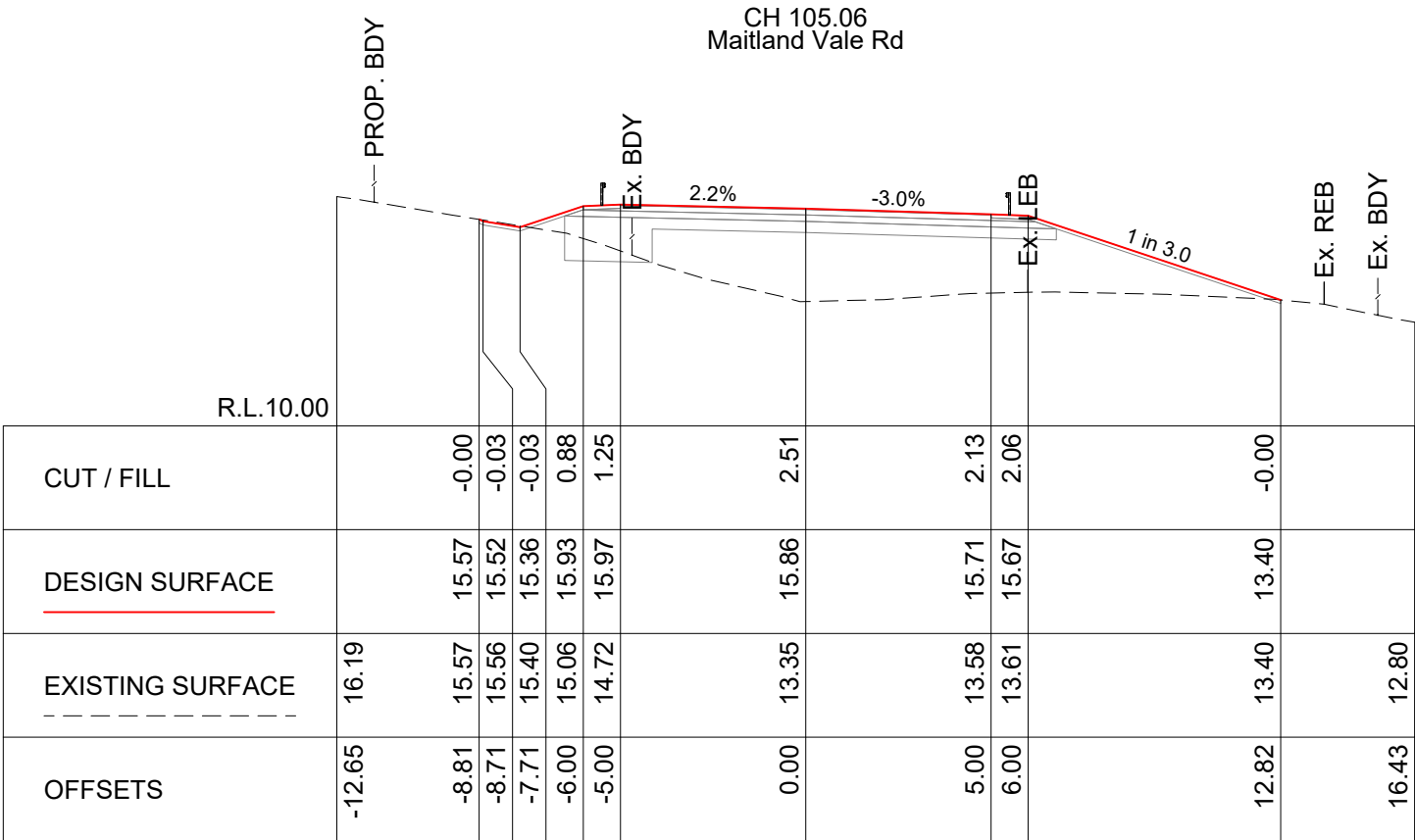
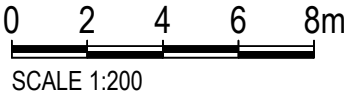
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CONSTRUCTION

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Horizontal Ratio: 1:200
Vertical Ratio: 1:200
SURVEYOR
K. Wilcox
DESIGNER
C. Parsons
DATUM
A.H.D.
DATE OF PLAN
15/09/2026

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CITY SERVICES
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 7

PLAN No.
4227-10C
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B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

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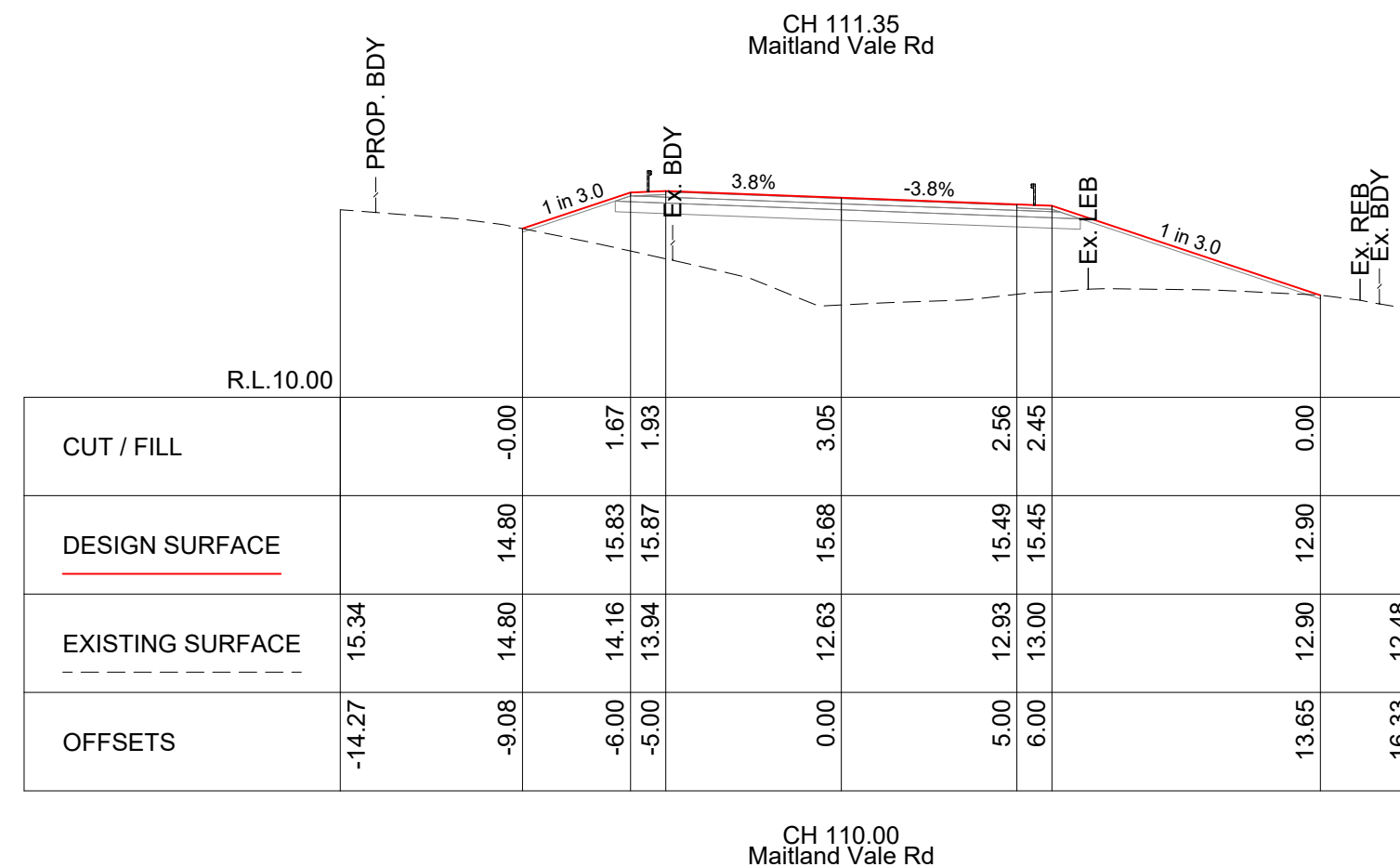
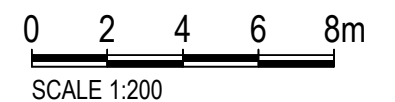
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Vertical Ratio: 1:200	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION	
MAITLAND VALE ROAD	
ROSEBROOK	
CROSS SECTIONS - SHEET 8	

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4227-10C
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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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CITY SERVICES

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MAITLAND 2320	DX 21613 MAITLAND

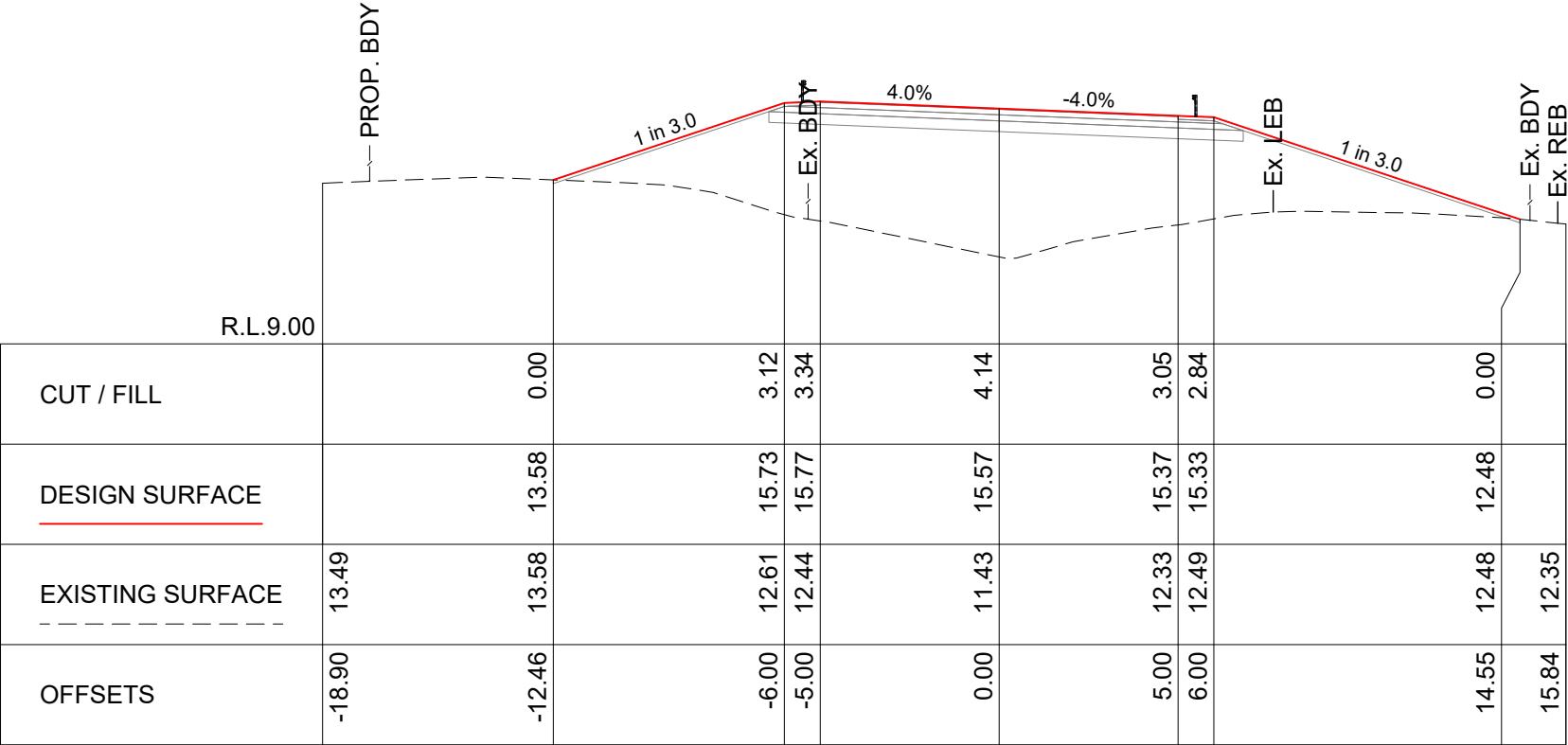
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MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 9**

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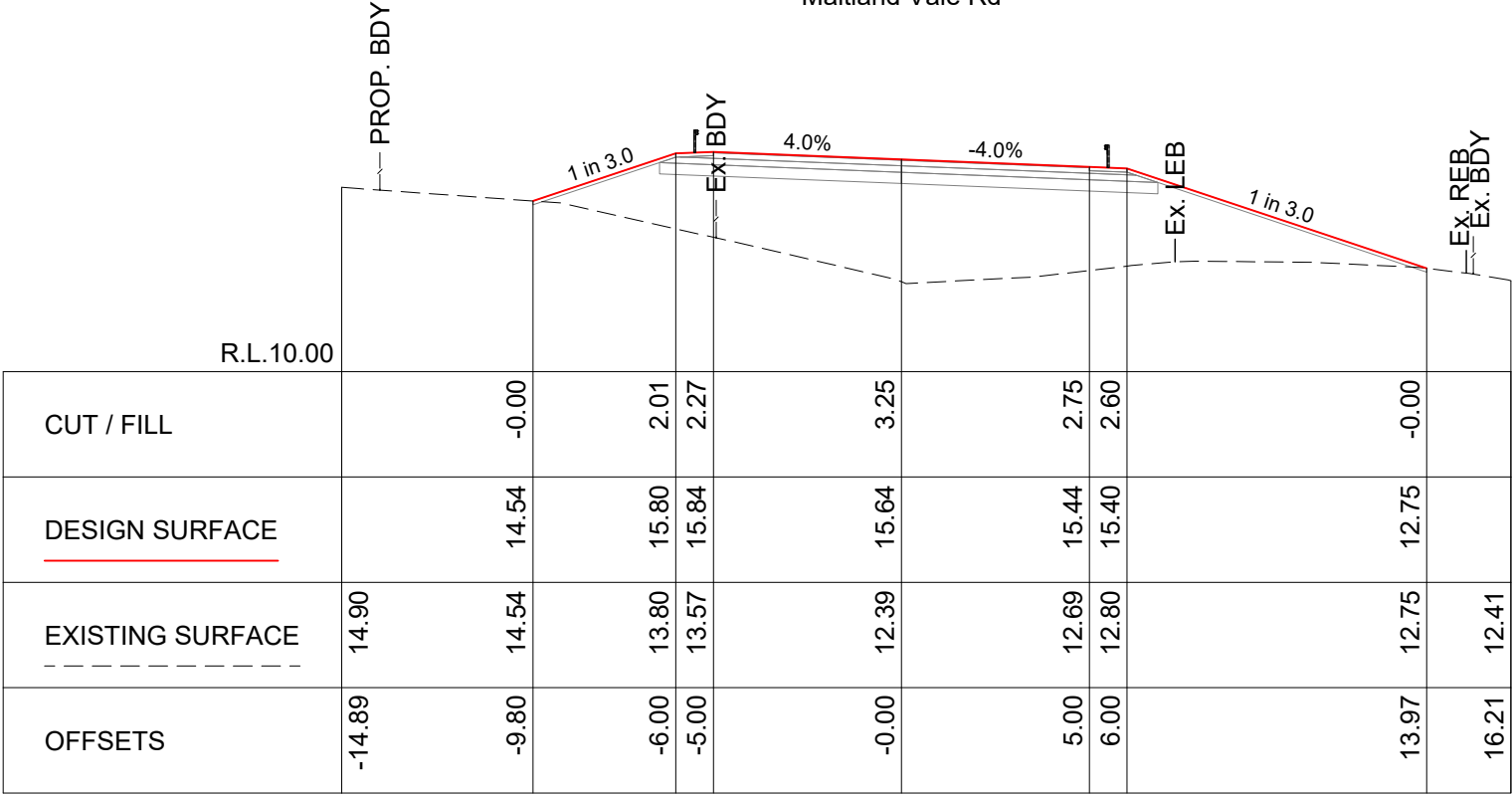
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Sheet 21 of 64

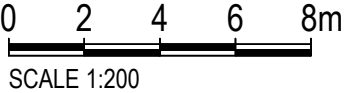
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CH 120.00
Maitland Vale Rd



CH 113.22
Maitland Vale Rd



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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
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	SHEET REVISION	BY	DATE

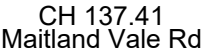
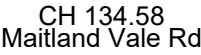
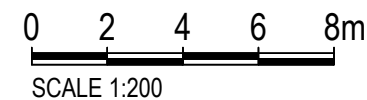
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DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION	
MAITLAND VALE ROAD	
ROSEBROOK	
CROSS SECTIONS - SHEET 10	

PLAN No.
4227-10C
Sheet 22 of 64



C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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P.O. BOX 220
MAITLAND 2320

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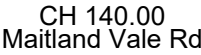
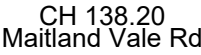
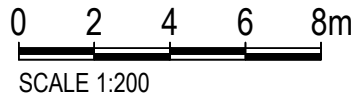
**STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 12**

PLAN No.

4227-10C

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A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

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<p style="text-align: center;">DESIGNER C. Parsons</p>	<p style="text-align: center;">DATE OF PLAN 15/09/2026</p>

263 HIGH STREET
P.O. BOX 220
MAITLAND 2320

PHONE: (02) 49349700
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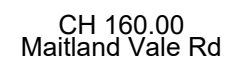
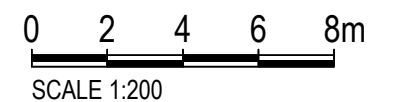
**STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 13**

PLAN No.

4227-10C

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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

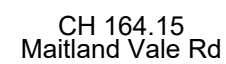
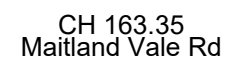
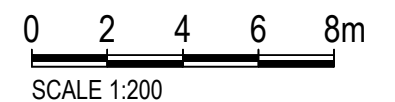
263 HIGH STREET
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DX 21613 MAITLAND

STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 17

PLAN No.
4227-10C
Sheet 29 of 64

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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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CITY SERVICES

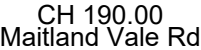
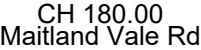
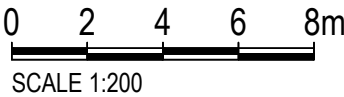
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P.O. BOX 220
MAITLAND 2320

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DX 21613 MAITLAND

STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 18

PLAN No.
4227-10C
Sheet 30 of 64

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**STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 20**

4227-10C

Sheet 32 of 64

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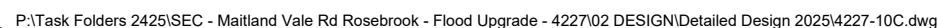
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PLAN No.
4227-10C
Sheet 37 of 64

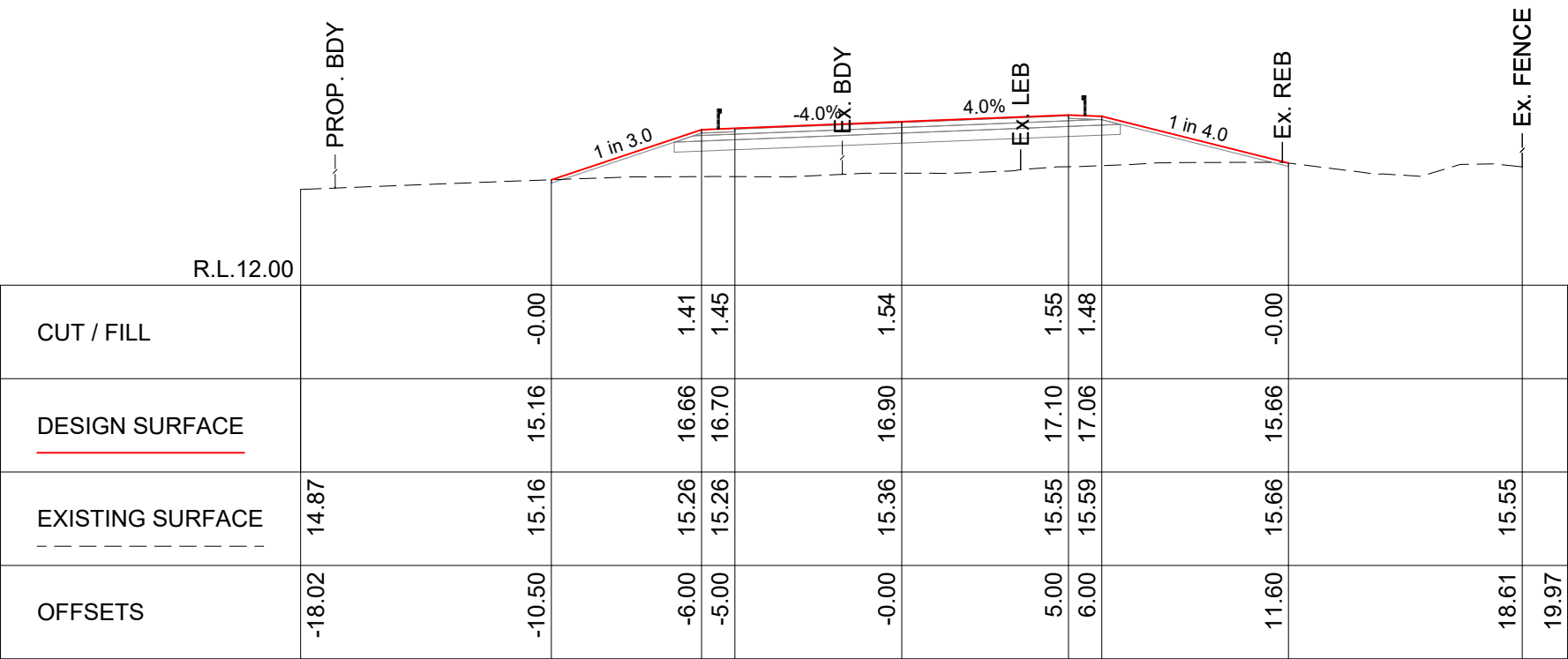
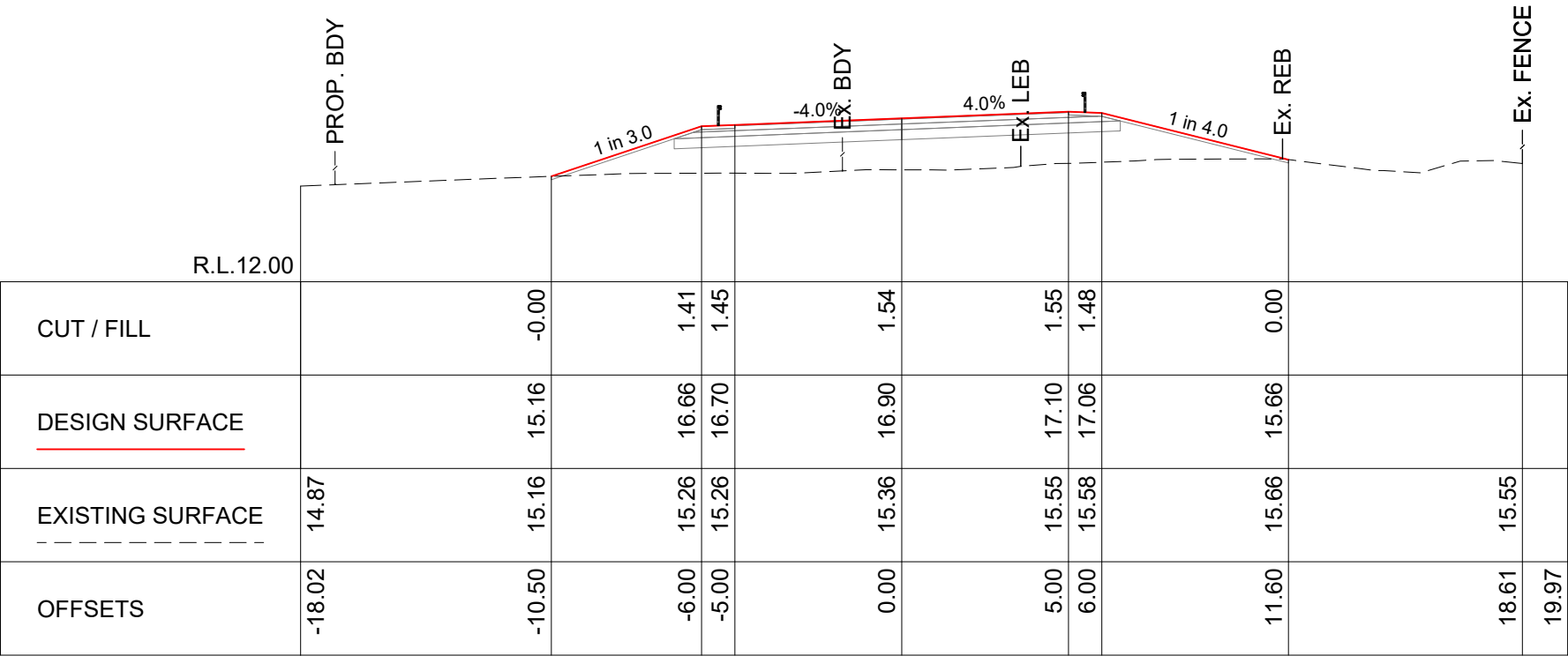
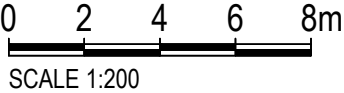


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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 26

PLAN No.
4227-10C
Sheet 38 of 64



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B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

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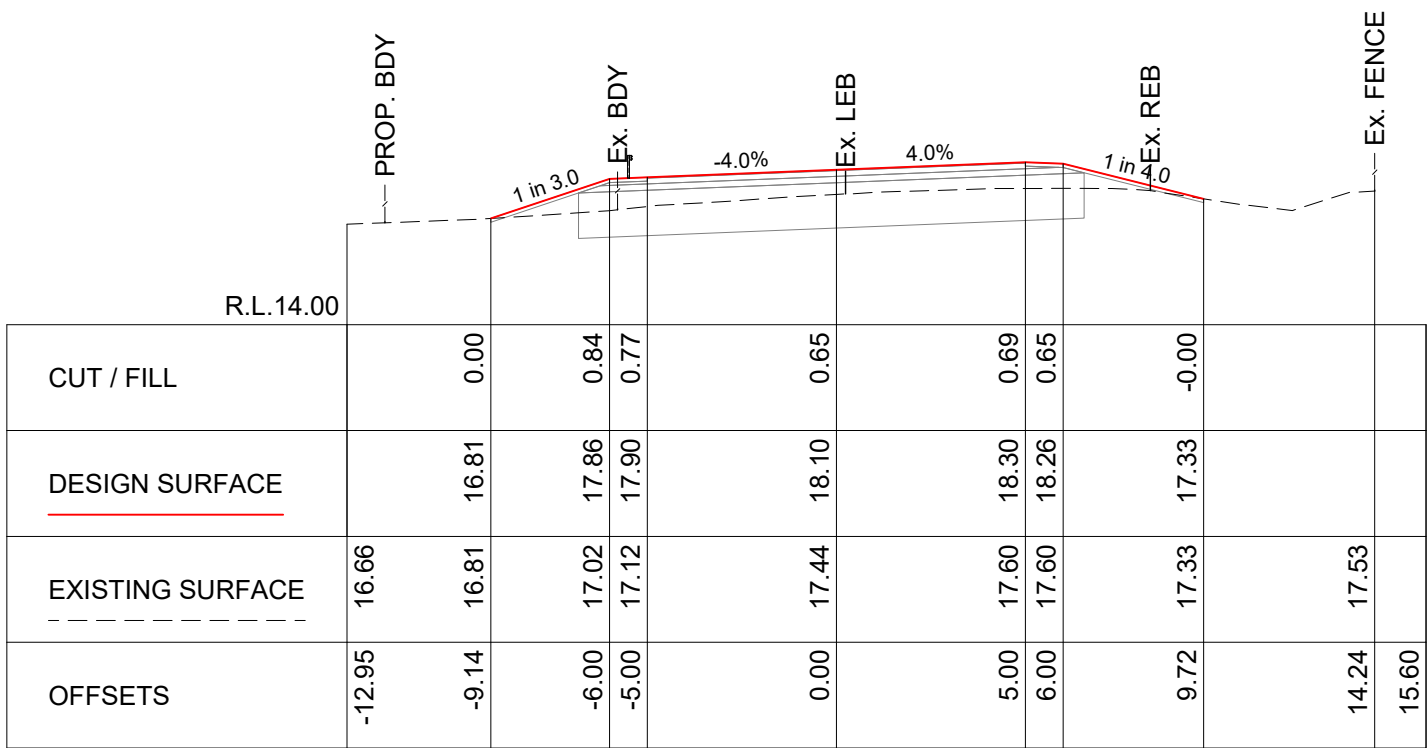
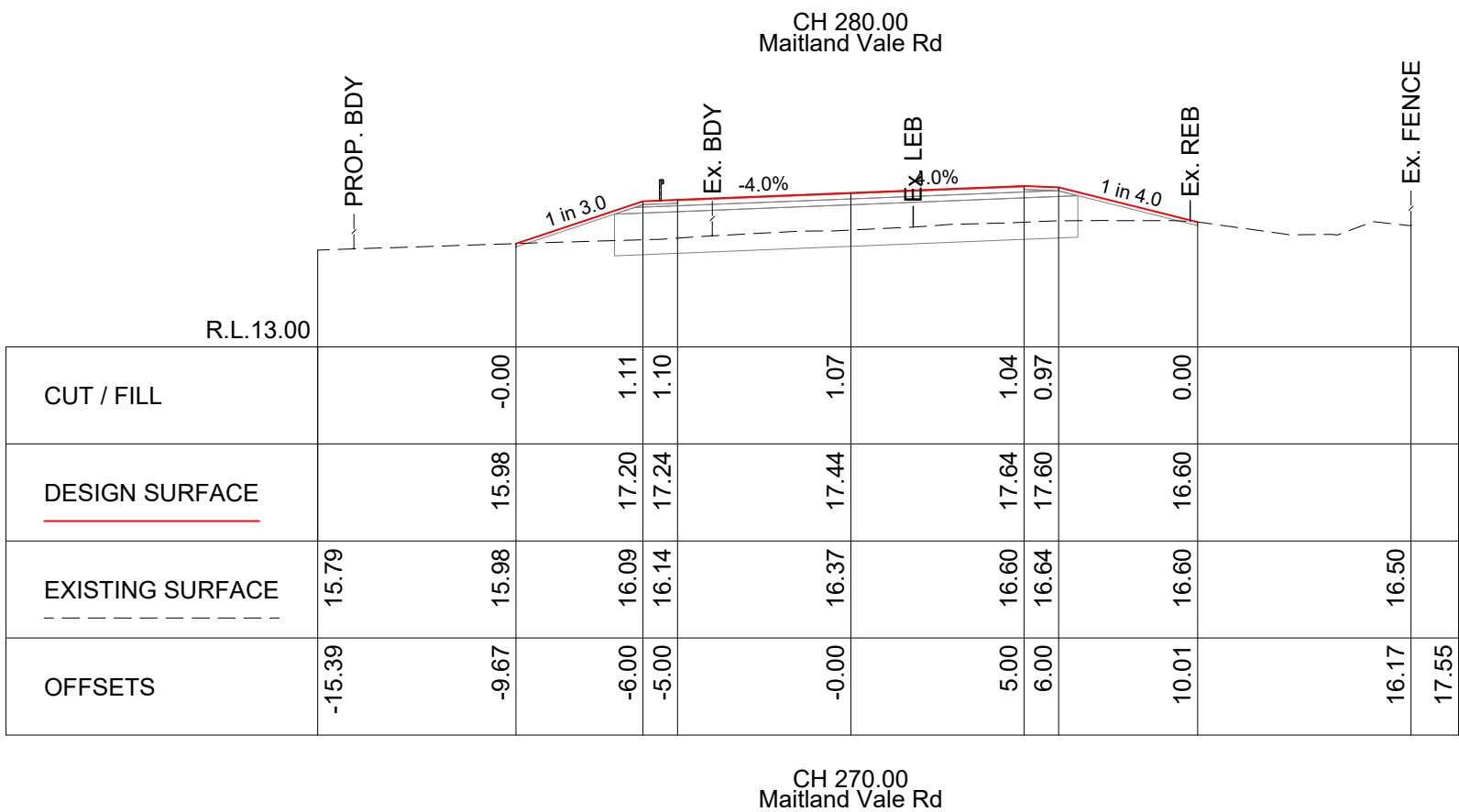
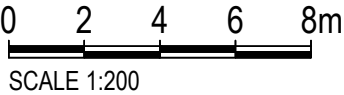
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CONSTRUCTION

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Vertical Ratio: 1:200	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 27

PLAN No.
4227-10C
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	SHEET REVISION	BY	DATE

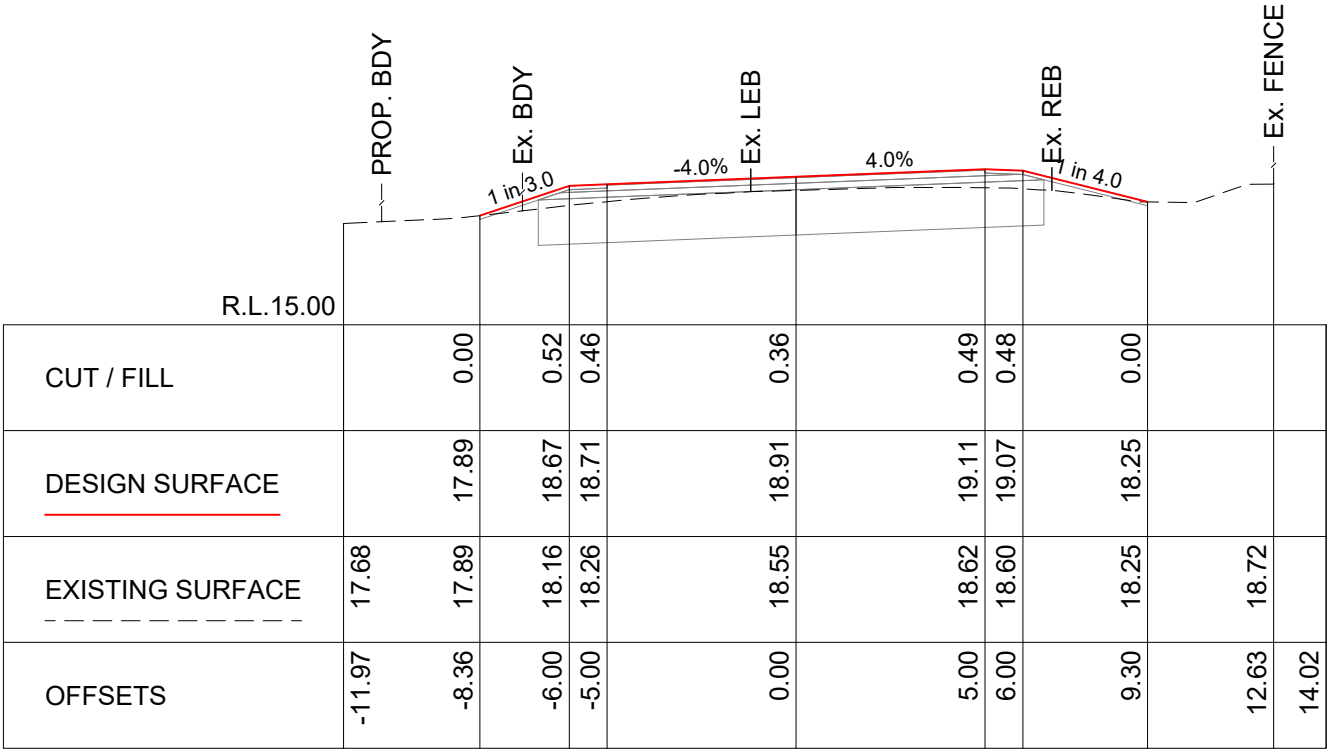
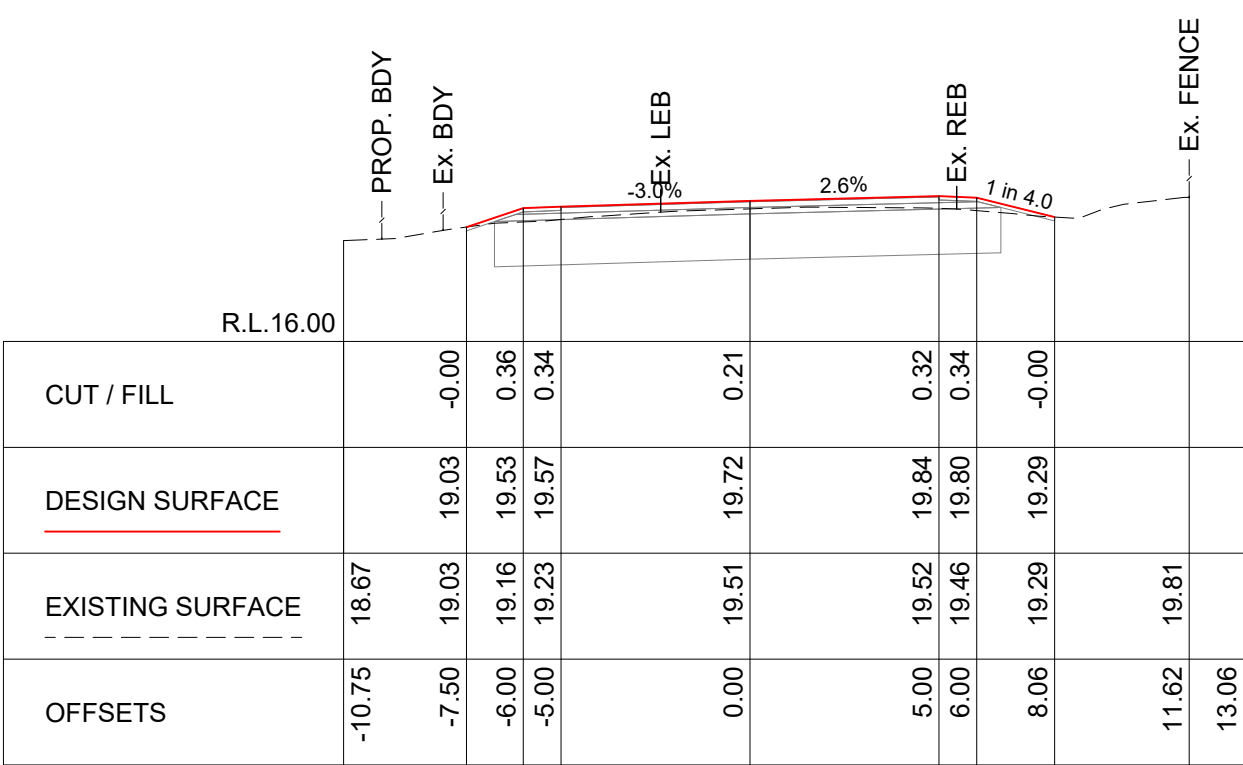
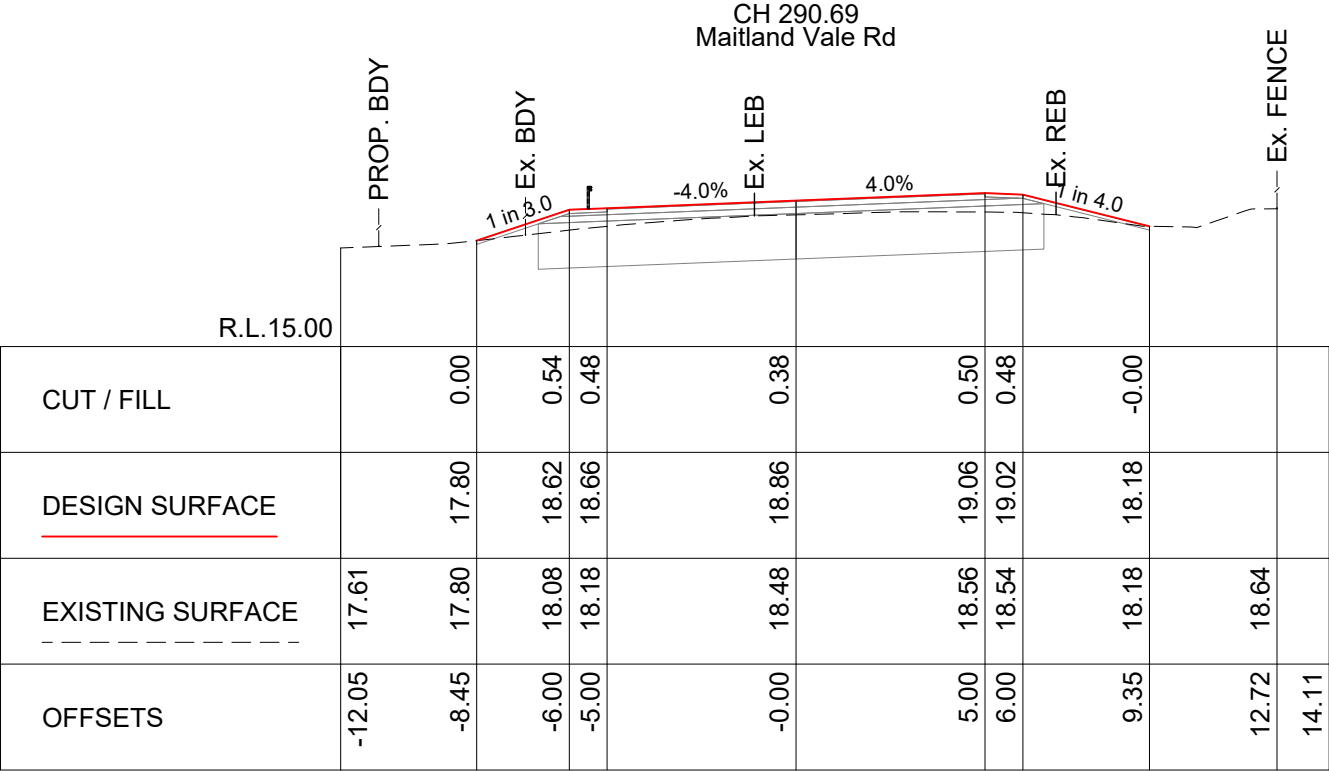
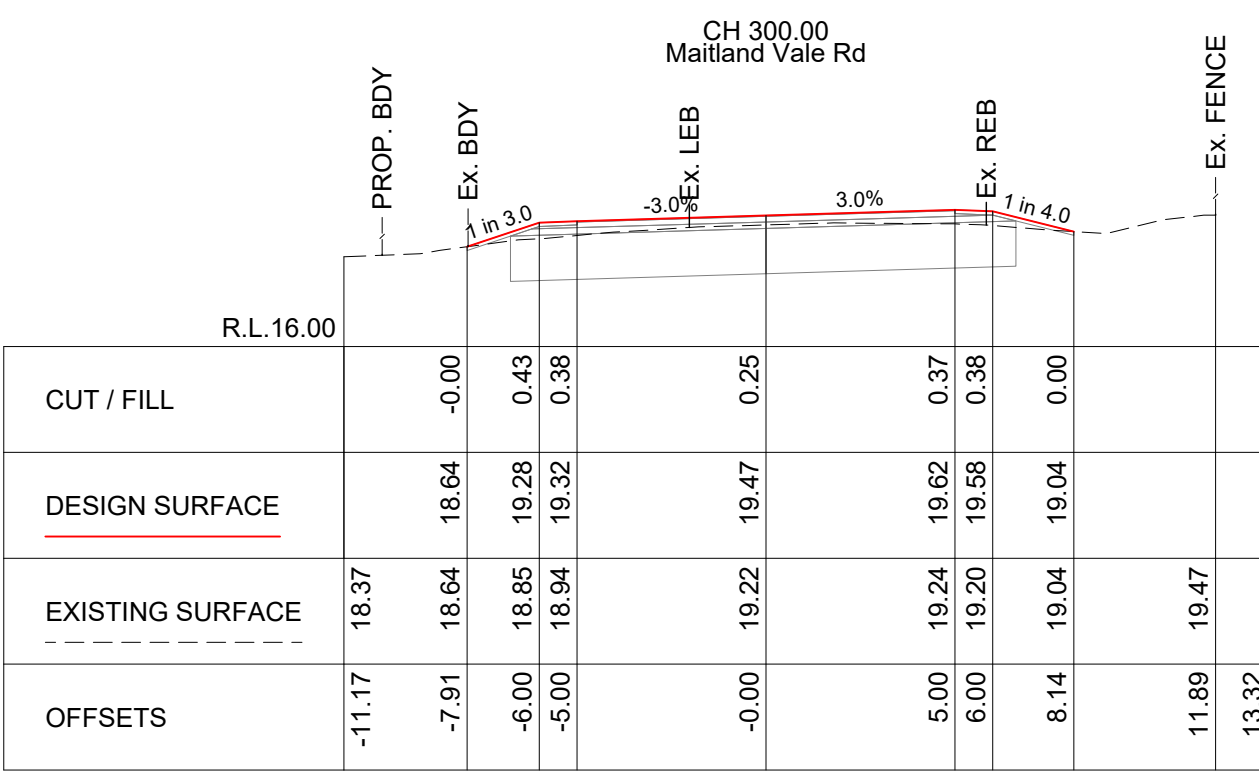
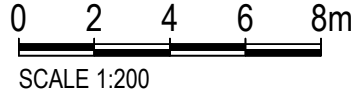
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SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION	
MAITLAND VALE ROAD	
ROSEBROOK	
CROSS SECTIONS - SHEET 28	

PLAN No.
4227-10C
Sheet 40 of 64



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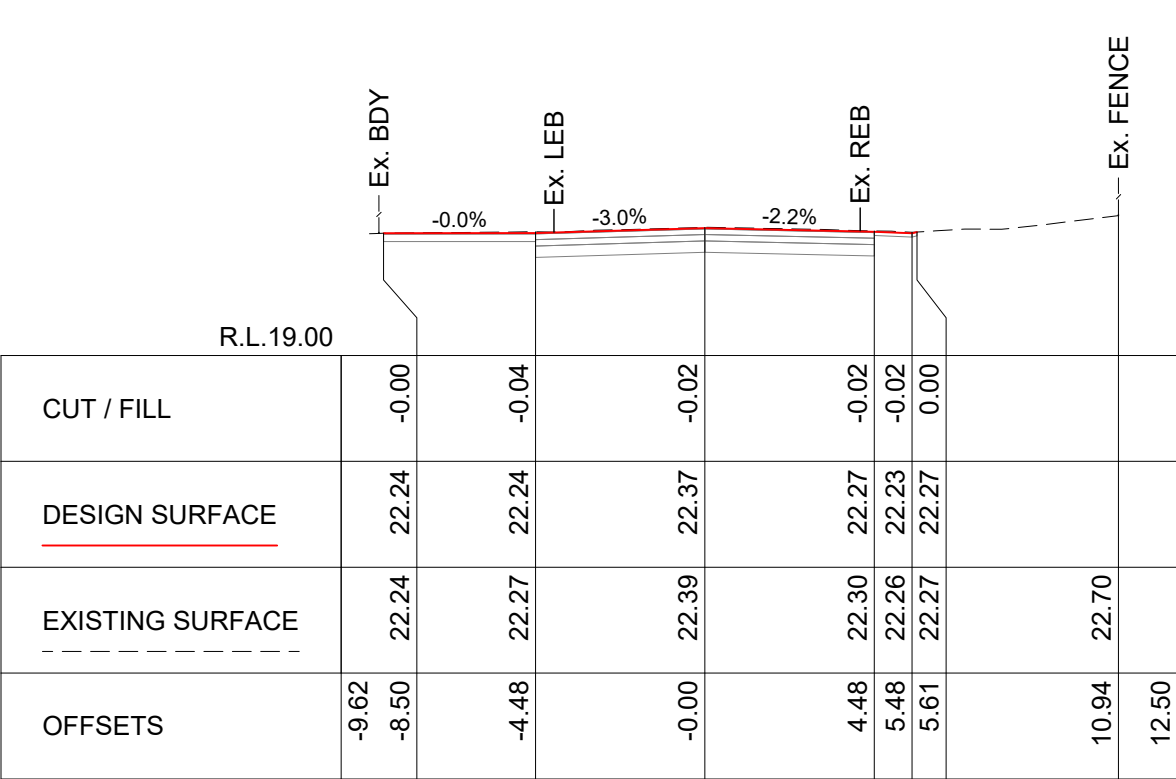
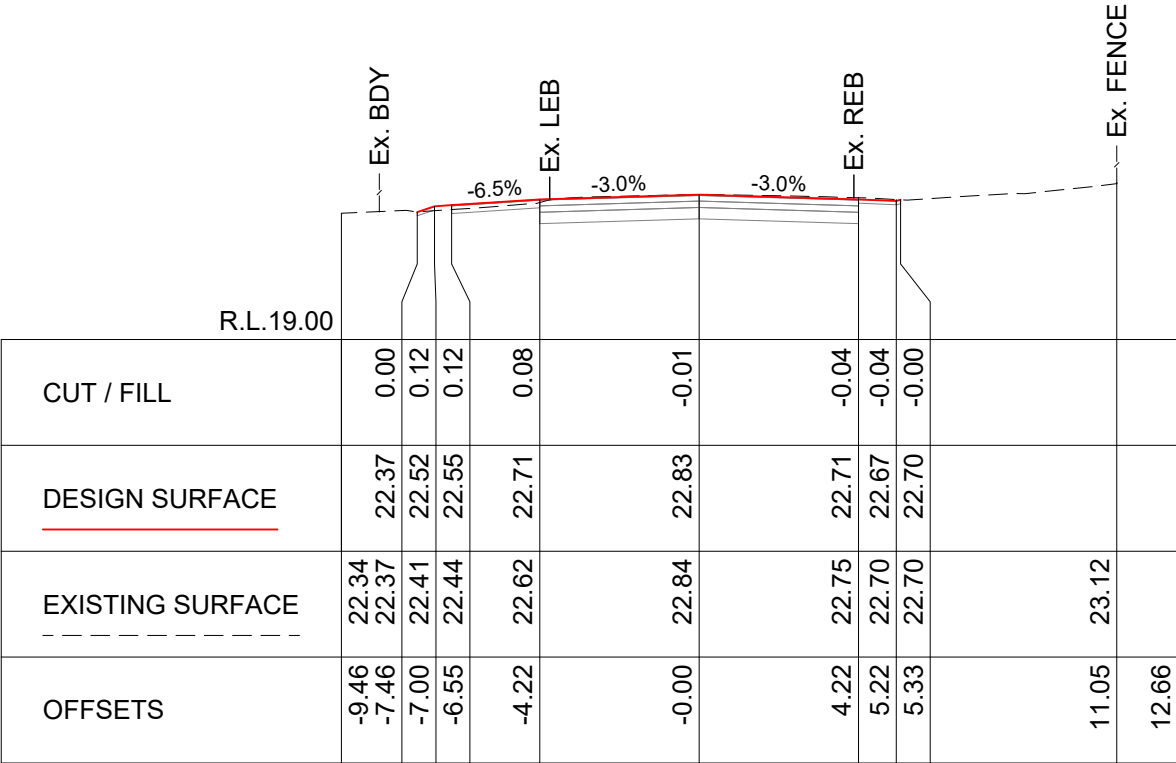
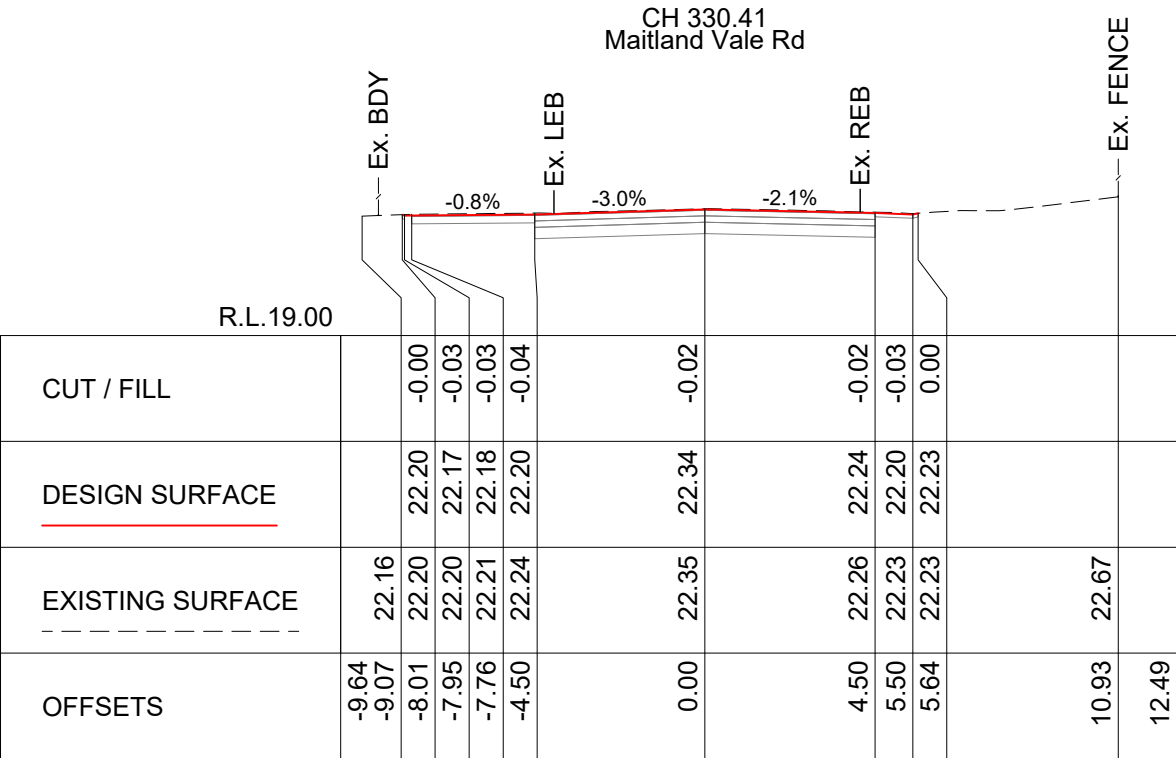
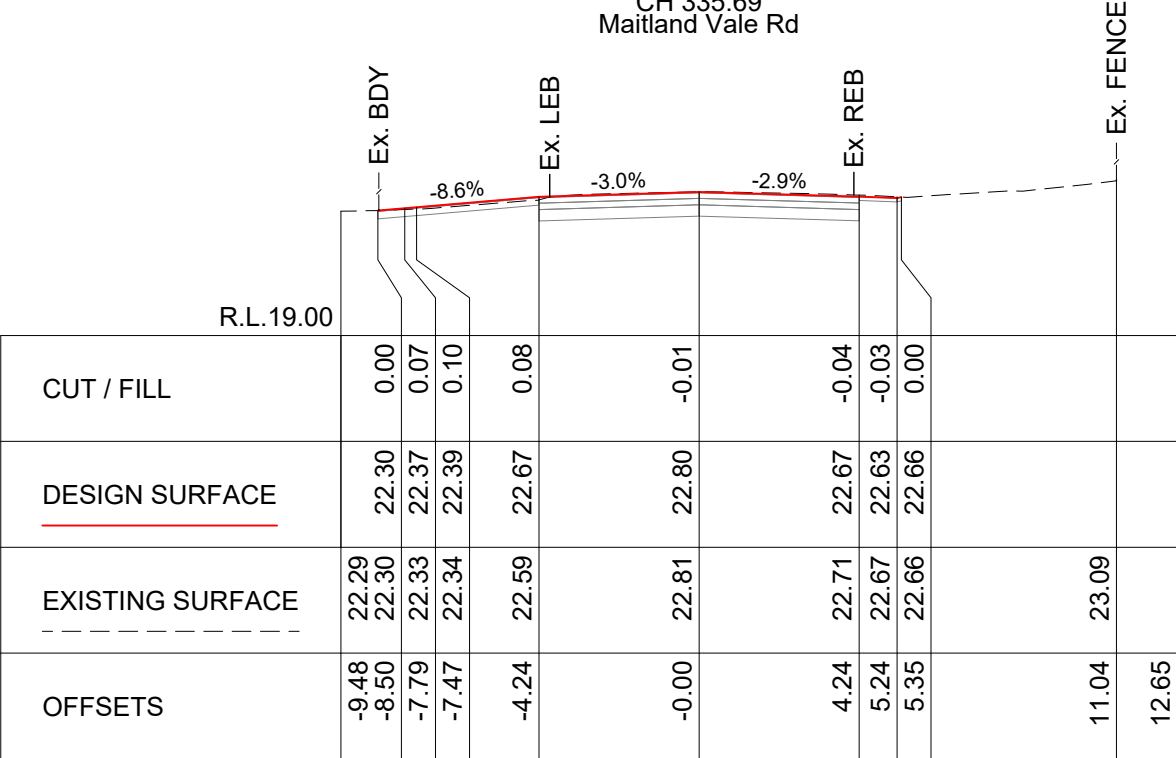
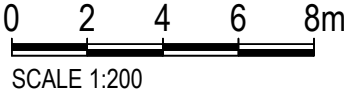
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RATIO @A3
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Vertical Ratio: 1:200
SURVEYOR
K. Wilcox
DESIGNER
C. Parsons
DATUM
A.H.D.
DATE OF PLAN
15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 29

PLAN No.
4227-10C
Sheet 41 of 64



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B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
SHEET REVISION		BY	DATE

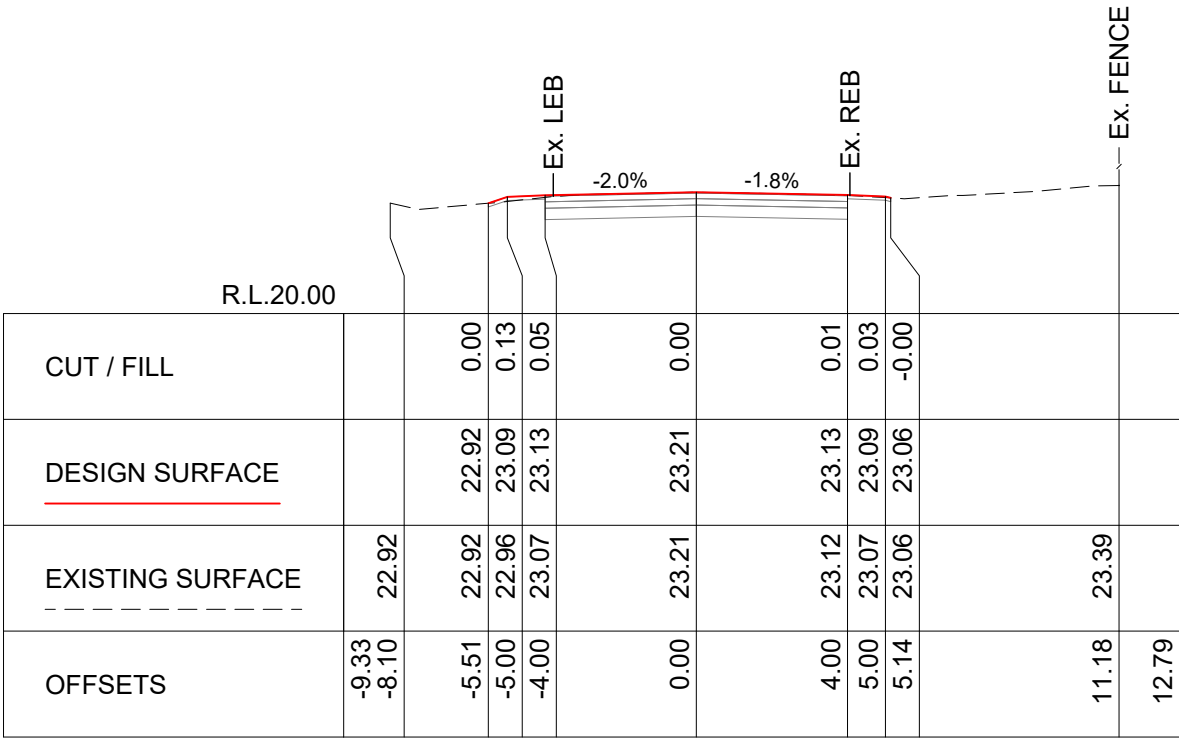
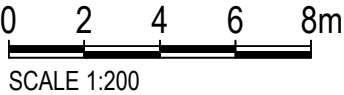
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CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
CROSS SECTIONS - SHEET 31

PLAN No.
4227-10C
Sheet 43 of 64



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A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

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100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3	
Horizontal Ratio: 1:200	
Vertical Ratio: 1:200	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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DX 21613 MAITLAND

STATE ELECTION COMMITMENT - FLOOD MITIGATION

MAITLAND VALE ROAD

ROSEBROOK

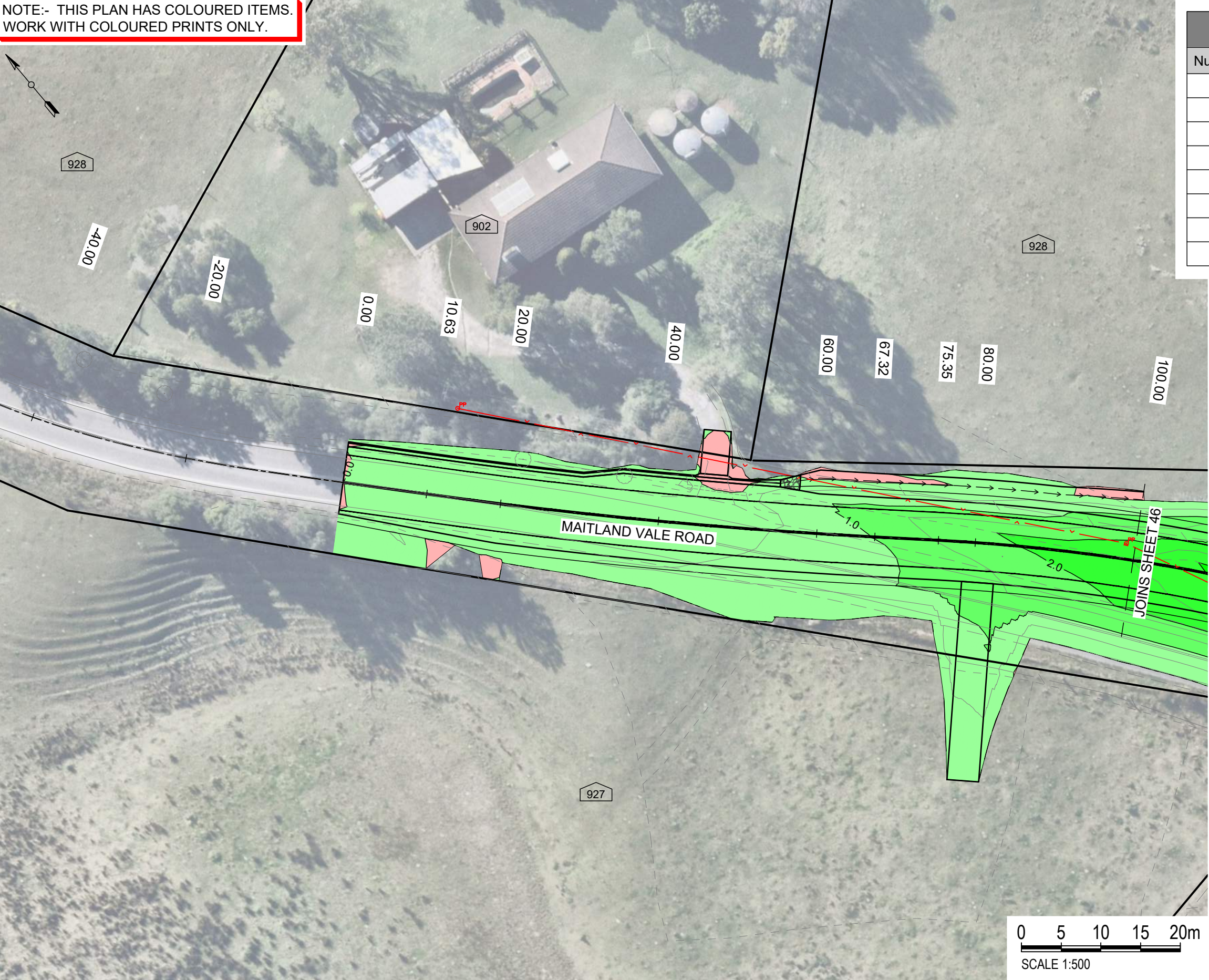
CROSS SECTIONS - SHEET 32

PLAN No.

4227-10C

Sheet 44 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
WORK WITH COLOURED PRINTS ONLY.



Levels Table			
Number	Minimum Level	Maximum Level	Color
1	-2.000	-1.000	
2	-1.000	0.000	
3	0.000	1.000	
4	1.000	2.000	
5	2.000	3.000	
6	3.000	4.000	
7	4.000	5.000	
8	5.000	6.000	

GEOTECHNICAL INVESTIGATION REPORT:
"GEOTECHNICAL INVESTIGATION - MAITLAND
VALE ROAD, ROSEBROOK", REPORT REF:
G0871-GI-002-Rev0, Prepared by HUNTER
GEOTECHNICAL SERVICES, Dated 5/05/2025

REFER TO EARTHWORKS RECOMMENDATIONS
IN SECTION 11 OF GEOTECHNICAL
INVESTIGATION REPORT.

EARTHWORKS ARE TO BE UNDERTAKEN IN
ACCORDANCE WITH TfNSW SPECIFICATION
TS02158.1 IC-QA-R44.

BULK EARTHWORKS CUT VOLUMES	
GENERAL CUT	2,530m ³
EXISTING ROAD PAVEMENT	1,100m ³
UNSUITABLE SUBGRADE REMOVAL	3,585m ³
CULVERT SUBGRADE REMOVAL	340m ³

BULK EARTHWORKS FILL VOLUMES	
GENERAL FILL	14,185m ³
SUBGRADE ROCK BRIDGING LAYER	3,585m ³
CULVERT SUBGRADE REPLACEMENT	170m ³ ROCK 170m ³ STAB. SAND
SELECT FILL UNDER PAVEMENT	2,600m ³
PAVEMENT	1,370m ³

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C	100% DETAILED DESIGN	CP	15/09/2026
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	SHEET REVISION	BY	DATE

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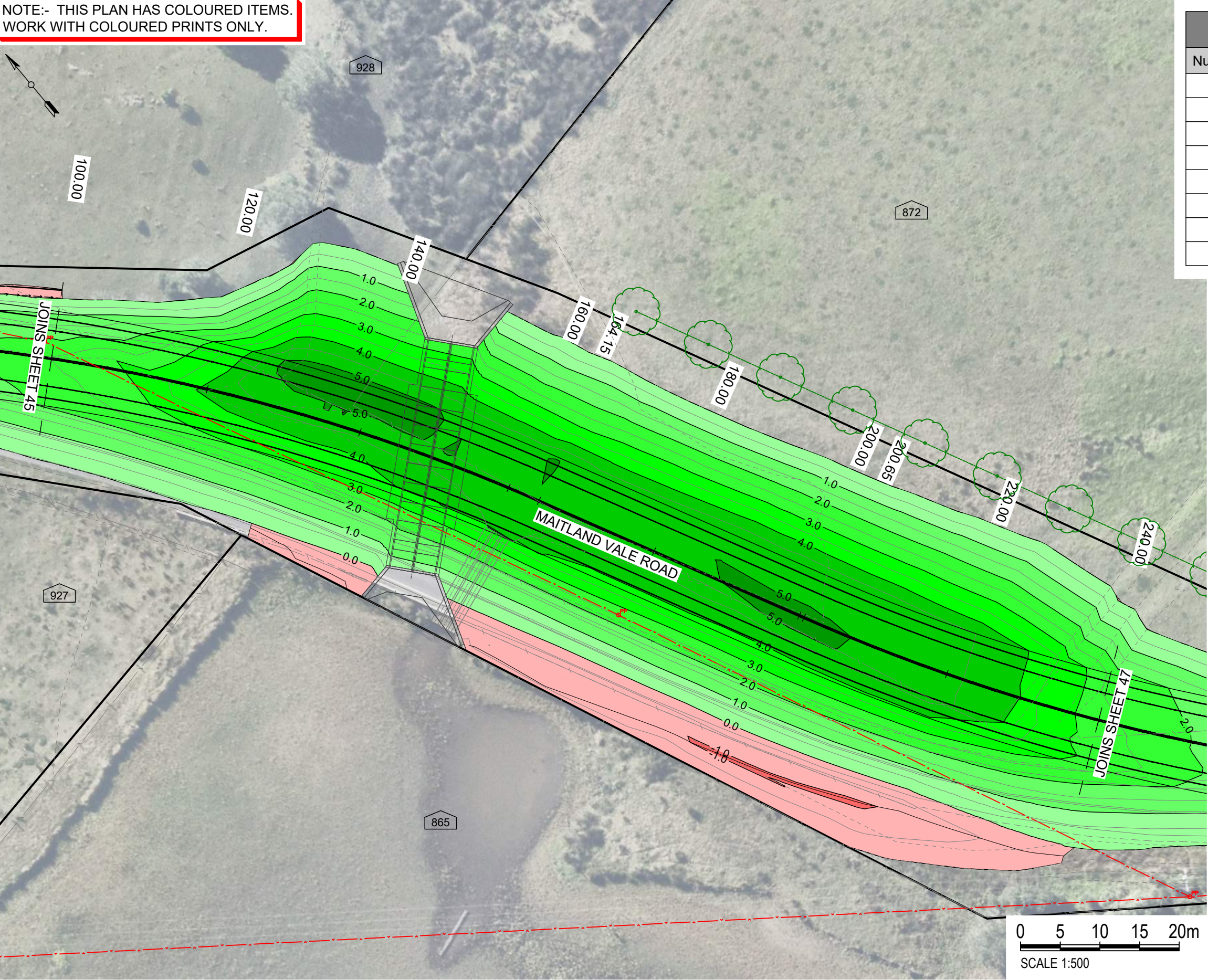
RATIO @A3 Ratio: 1:500	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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CITY SERVICES
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BULK EARTHWORKS - SHEET 1

PLAN No.
4227-10C
Sheet 45 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
WORK WITH COLOURED PRINTS ONLY.



Levels Table			
Number	Minimum Level	Maximum Level	Color
1	-2.000	-1.000	
2	-1.000	0.000	
3	0.000	1.000	
4	1.000	2.000	
5	2.000	3.000	
6	3.000	4.000	
7	4.000	5.000	
8	5.000	6.000	

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TS02158.1 IC-QA-R44.

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UNSUITABLE SUBGRADE REMOVAL	3,585m ³
CULVERT SUBGRADE REMOVAL	340m ³

BULK EARTHWORKS FILL VOLUMES	
GENERAL FILL	14,185m ³
SUBGRADE ROCK BRIDGING LAYER	3,585m ³
CULVERT SUBGRADE REPLACEMENT	170m ³ ROCK 170m ³ STAB. SAND
SELECT FILL UNDER PAVEMENT	2,600m ³
PAVEMENT	1,370m ³

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	SHEET REVISION	BY	DATE

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RATIO @A3
Ratio: 1:500

SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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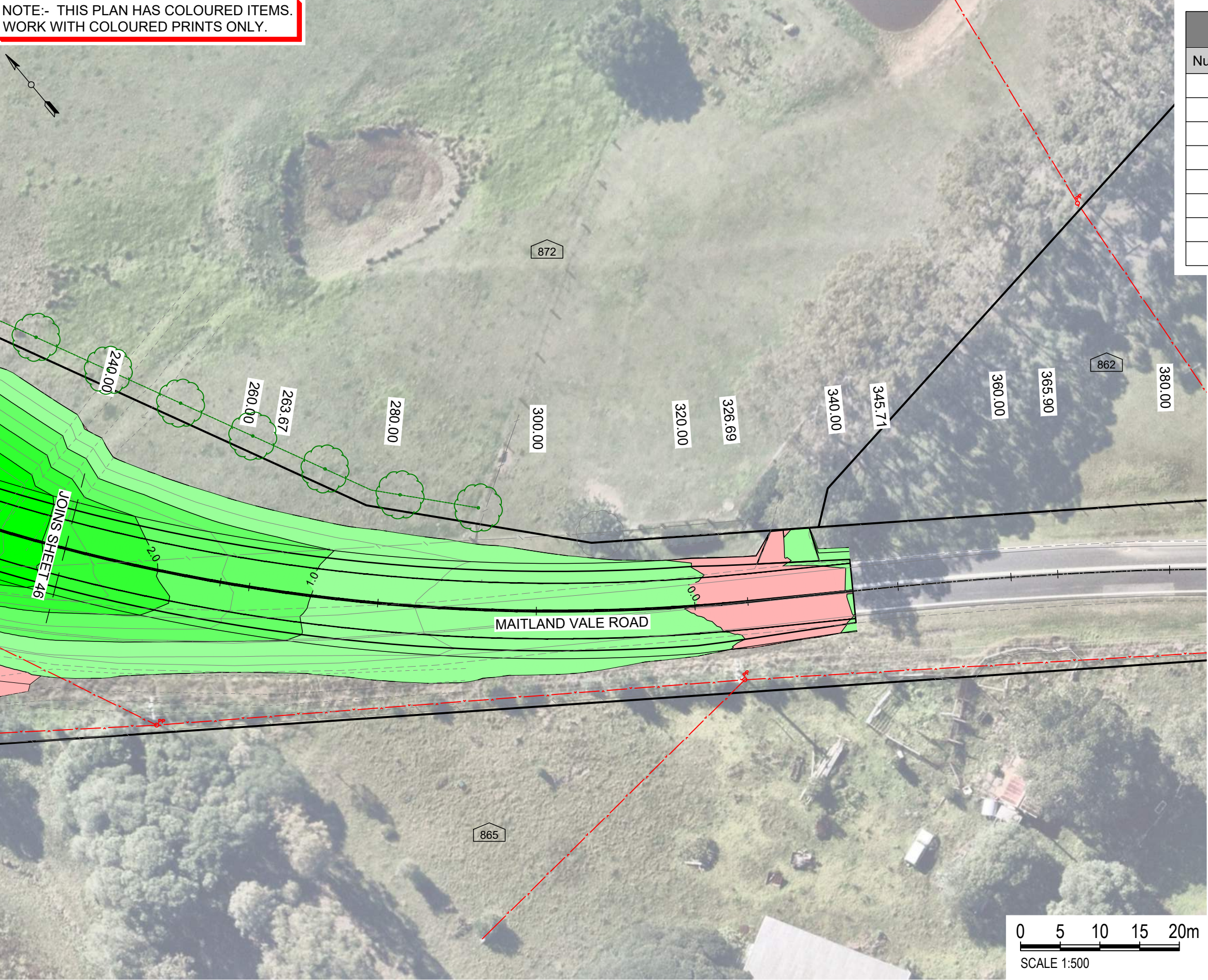
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MAITLAND VALE ROAD
ROSEBROOK
BULK EARTHWORKS - SHEET 2

PLAN No.
4227-10C
Sheet 46 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
WORK WITH COLOURED PRINTS ONLY.



Levels Table			
Number	Minimum Level	Maximum Level	Color
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5	2.000	3.000	
6	3.000	4.000	
7	4.000	5.000	
8	5.000	6.000	

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G0871-GI-002-Rev0, Prepared by HUNTER
GEOTECHNICAL SERVICES, Dated 5/05/2025

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ACCORDANCE WITH TfNSW SPECIFICATION
TS02158.1 IC-QA-R44.

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EXISTING ROAD PAVEMENT	1,100m ³
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BULK EARTHWORKS FILL VOLUMES	
GENERAL FILL	14,185m ³
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CULVERT SUBGRADE REPLACEMENT	170m ³ ROCK 170m ³ STAB. SAND
SELECT FILL UNDER PAVEMENT	2,600m ³
PAVEMENT	1,370m ³

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A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

Plotted: 15/09/2026 1:40:30 PM By: CP

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:500	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

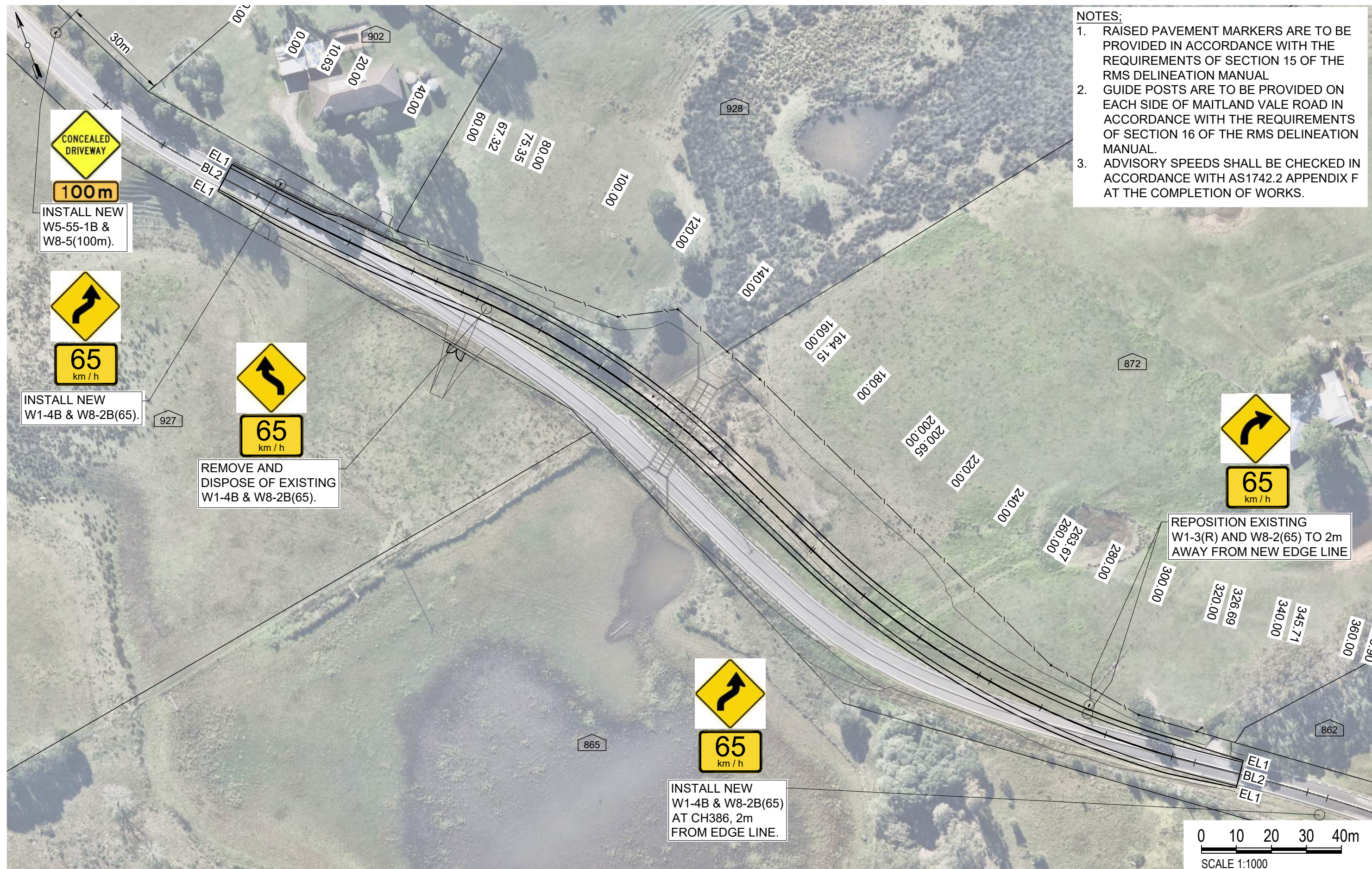
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BULK EARTHWORKS - SHEET 3

PLAN No.
4227-10C
Sheet 47 of 64



- NOTES:
1. RAISED PAVEMENT MARKERS ARE TO BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 15 OF THE RMS DELINEATION MANUAL
 2. GUIDE POSTS ARE TO BE PROVIDED ON EACH SIDE OF MAITLAND VALE ROAD IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 16 OF THE RMS DELINEATION MANUAL.
 3. ADVISORY SPEEDS SHALL BE CHECKED IN ACCORDANCE WITH AS1742.2 APPENDIX F AT THE COMPLETION OF WORKS.

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C	100% DETAILED DESIGN	CP	15/09/2026
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SHEET REVISION		BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3
Ratio: 1:1000

SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

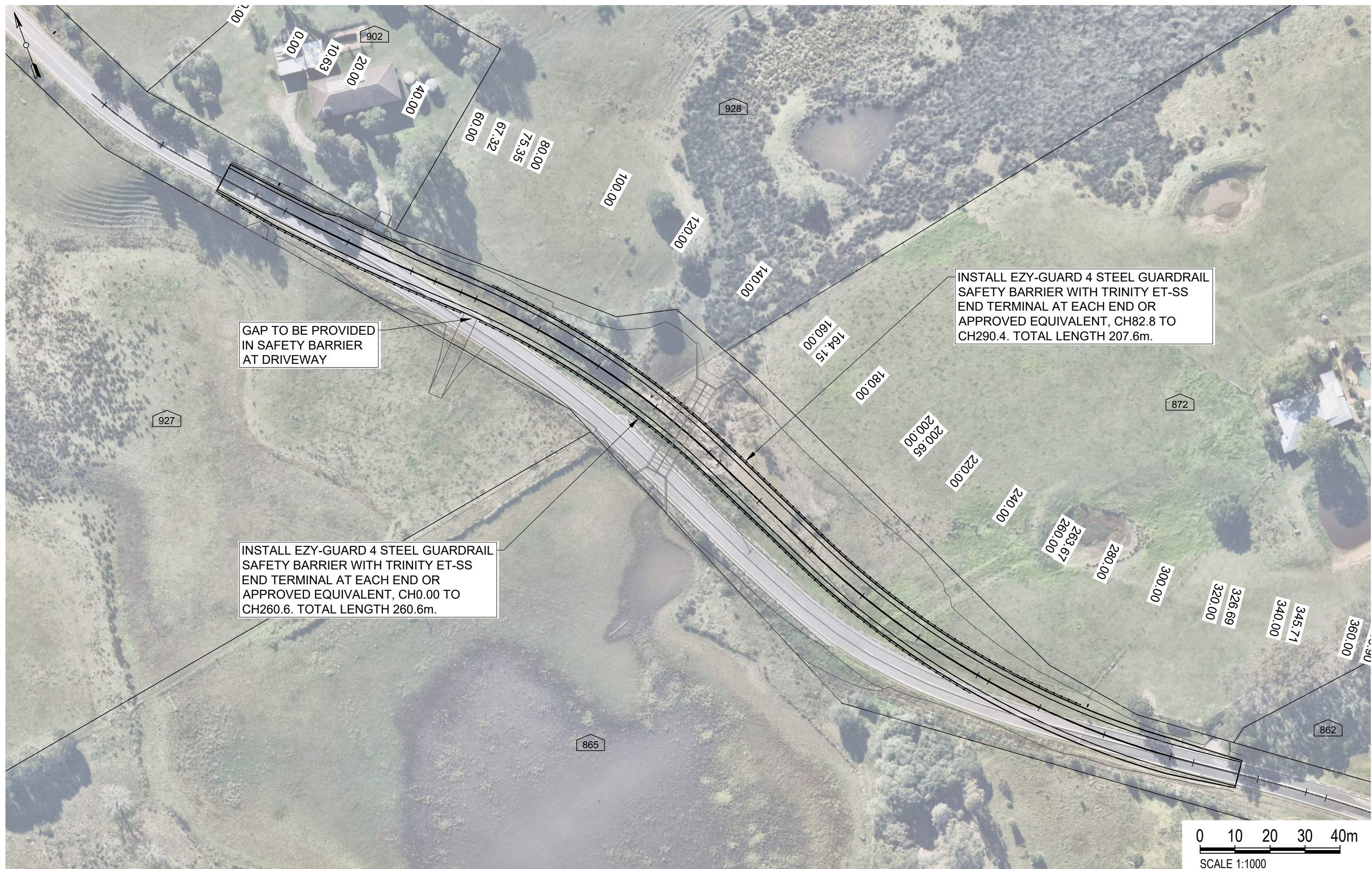
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FAX (02) 49333209
DX 21613 MAITLAND

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MAITLAND VALE ROAD
ROSEBROOK
LINEMARKING AND SIGNAGE PLAN

PLAN No.
4227-10C
Sheet 48 of 64



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DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

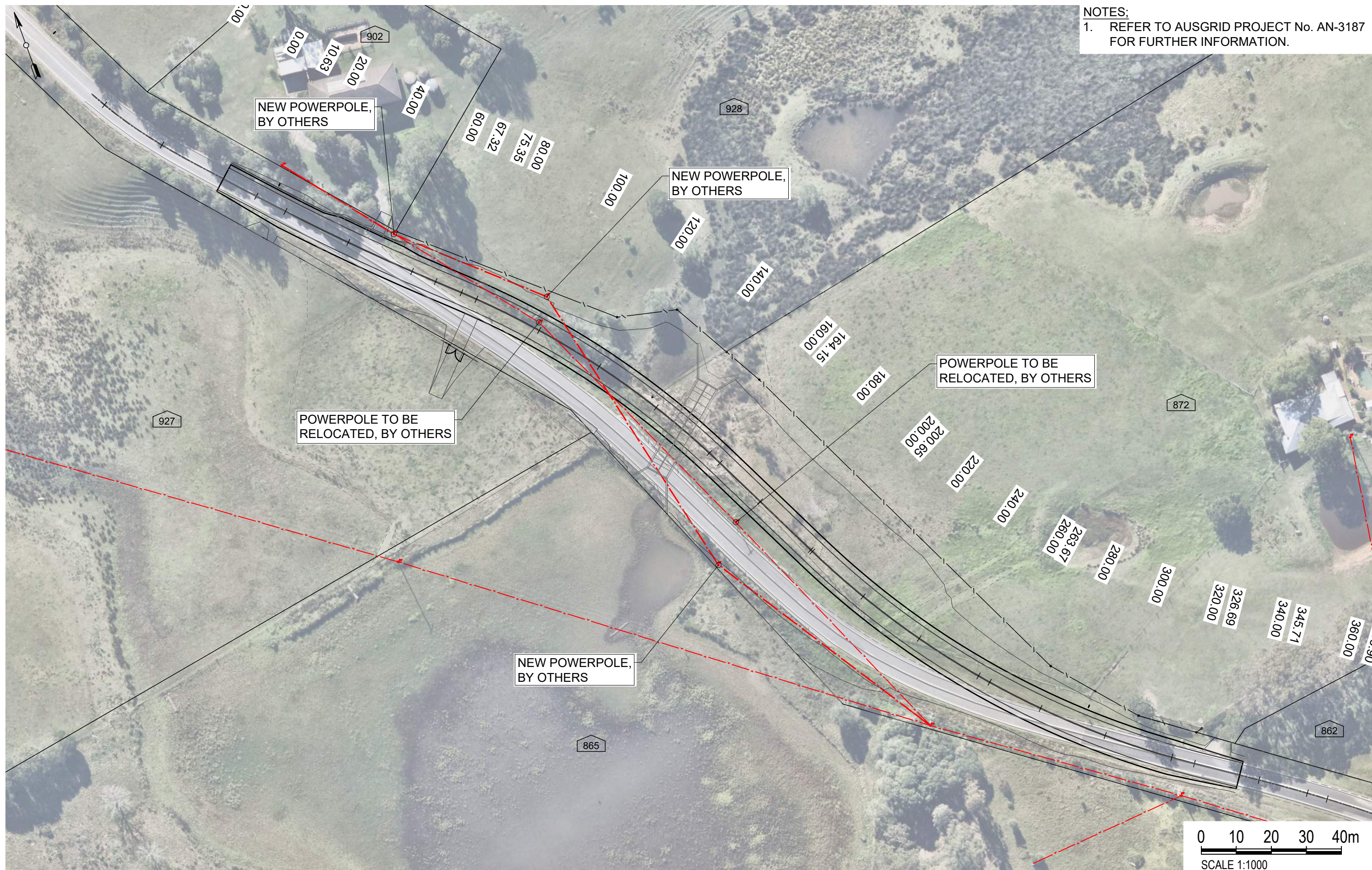
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MAITLAND VALE ROAD
ROSEBROOK
SAFETY BARRIER PLAN

PLAN No.
4227-10C
Sheet 49 of 64



NOTES;
1. REFER TO AUSGRID PROJECT No. AN-3187 FOR FURTHER INFORMATION.

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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
SHEET REVISION		BY	DATE

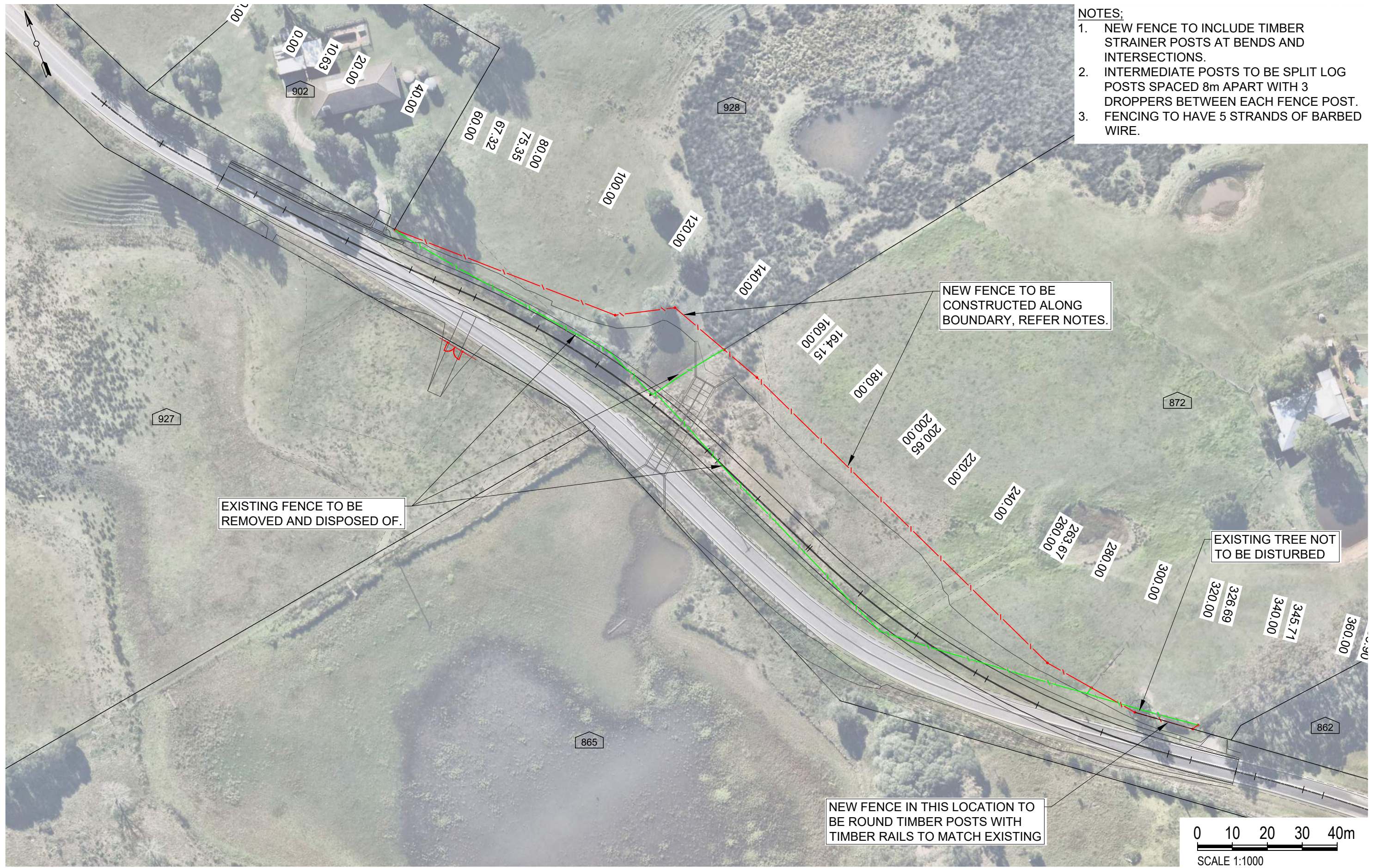
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DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:1000	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

MAITLAND CITY COUNCIL
CITY SERVICES
263 HIGH STREET
P.O. BOX 220
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
ELECTRICAL RELOCATION PLAN

PLAN No.
4227-10C
Sheet 50 of 64



- NOTES:**
1. NEW FENCE TO INCLUDE TIMBER STRAINER POSTS AT BENDS AND INTERSECTIONS.
 2. INTERMEDIATE POSTS TO BE SPLIT LOG POSTS SPACED 8m APART WITH 3 DROPPERS BETWEEN EACH FENCE POST.
 3. FENCING TO HAVE 5 STRANDS OF BARBED WIRE.

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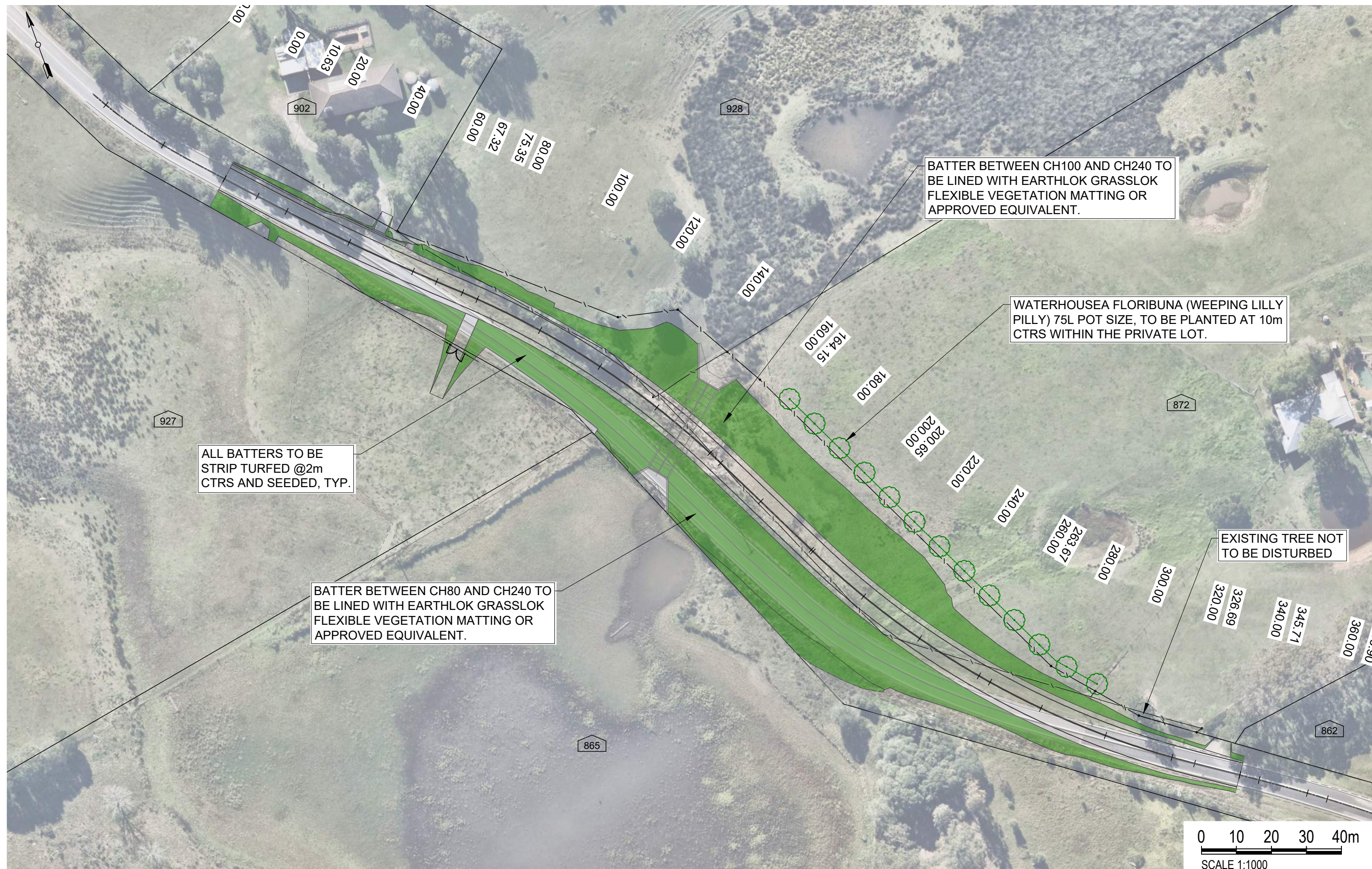
100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:1000	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
FENCING PLAN

PLAN No.
4227-10C
Sheet 51 of 64



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CONSTRUCTION

RATIO @A3 Ratio: 1:1000	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION

MAITLAND VALE ROAD

ROSEBROOK

LANDSCAPING PLAN

PLAN No.

4227-10C

Sheet 52 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
WORK WITH COLOURED PRINTS ONLY.



GENERAL NOTES:

- BOX CULVERTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AS1597.2 AND TfNSW SPECIFICATION TS03256.1.
- BOX CULVERT UNITS SHALL BE INSTALLED AND FINISHED IN ACCORDANCE WITH TfNSW SPECIFICATION TS03254.1
- DESIGN LOADING IN ACCORDANCE WITH AS 5100.2.
ROAD TRAFFIC LOADING; SM1600
NUMBER OF DESIGN LANES: 2
DESIGN TRAFFIC SPEED: 120km/hr
M1600 WHEEL DIAGRAM

HEAVY LOAD PLATFORM LOADING: HLP400
PROVISION FOR HLP400 LOADING IS RESTRICTED TO ONE VEHICLE AT ANY ONE TIME, LOCATED WITHIN +/-1m EITHER SIDE OF THE CENTRELINE OF THE CARRIAGEWAY. VEHICLE SPEED IS LIMITED TO 10km/hr.
- EARTHQUAKE LOADING**
DESIGN CLASSIFICATION BEDC-1
- DIFFERENTIAL SETTLEMENT**
50mm TOTAL SETTLEMENT
25mm DIFFERENTIAL SETTLEMENT
- DOWELLED CONTRACTION JOINTS SHALL BE PROVIDED AS SHOWN. 24 HOURS MINIMUM SHALL BE ALLOWED BETWEEN POURS.
- CONCRETE SHALL BE IN ACCORDANCE WITH TfNSW SPECIFICATION TS01733.1 & TS00146:1.0 AND AS5100.
 - DESIGN LIFE 100 YEARS.
 - EXPOSURE CLASSIFICATION B2.
 - MINIMUM CONCRETE STRENGTH S50/20.
 - MINIMUM COVER 60mm.
- REINFORCING STEEL SHALL IN ACCORDANCE WITH TfNSW SPECIFICATION TS00077:1.0 AND AS/NZS4671.
 - DEFORMED BAR D500N.
 - ROUND BAR R250N
 - MESH GRADE D500L
 - REINFORCEMENT TO BE HOT DIP GALVANISED TO AS/NZS4680 WHERE SHOWN.
- SUBSOIL DRAINAGE SHALL BE PROVIDED BEHIND ALL WINGWALLS TO PREVENT HYDROSTATIC PRESSURE BEING APPLIED TO THE WINGWALL. A SOCKED SUBSOIL LINE SHALL BE USED AT EACH WINGWALL TO DRAIN OUT AT THE LOW END OF THE WINGWALL.
- CONSTRUCTION LOADING IN ACCORDANCE WITH AS1597.2. PROVISION OF CONSTRUCTION LOADING IS RESTRICTED TO ONE VEHICLE AT ANY TIME WITH NO CO-EXISTING LOADING. VEHICLE SPEED IS RESTRICTED TO 10km/h ON THE CULVERT. CONSTRUCTION LOADS NOT PERMITTED WITHIN 3m OF HEADWALL AND WINGWALL. COMPACTION WITHIN THIS ZONE TO USE HANDHELD EQUIPMENT ONLY.

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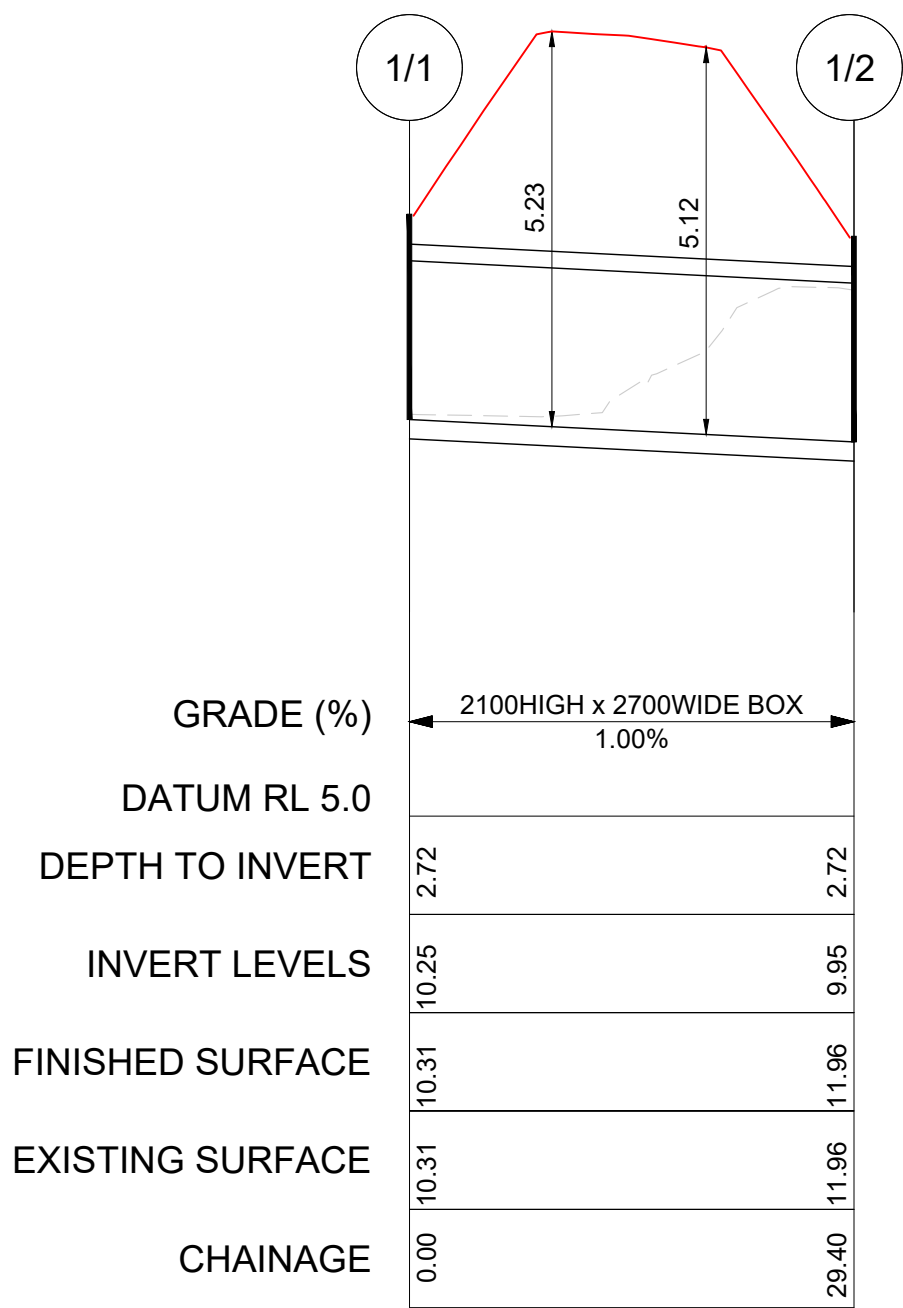
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SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

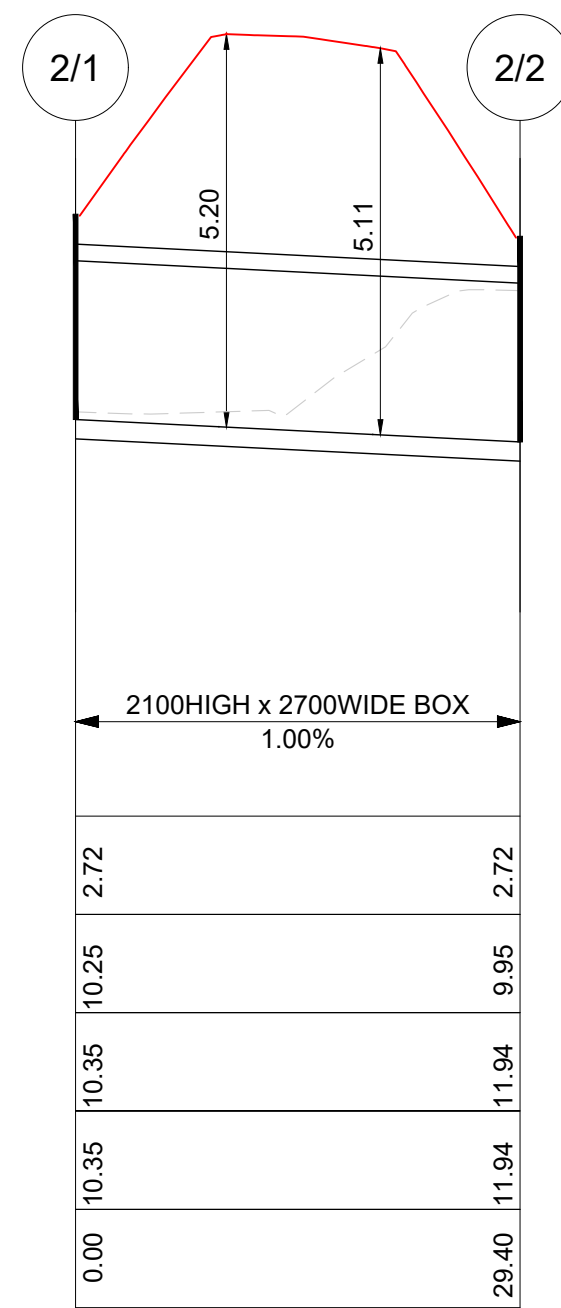
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT DETAIL PLAN AND GENERAL NOTES

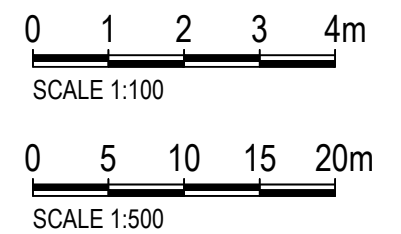
PLAN No.
4227-10C
Sheet 53 of 64



LINE 1



LINE 2



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	SHEET REVISION	BY	DATE

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RATIO @A3	
Horizontal Ratio: 1:500	
Vertical Ratio: 1:100	
SURVEYOR	DATUM
K. Wilcox	A.H.D.
DESIGNER	DATE OF PLAN
C. Parsons	15/09/2026

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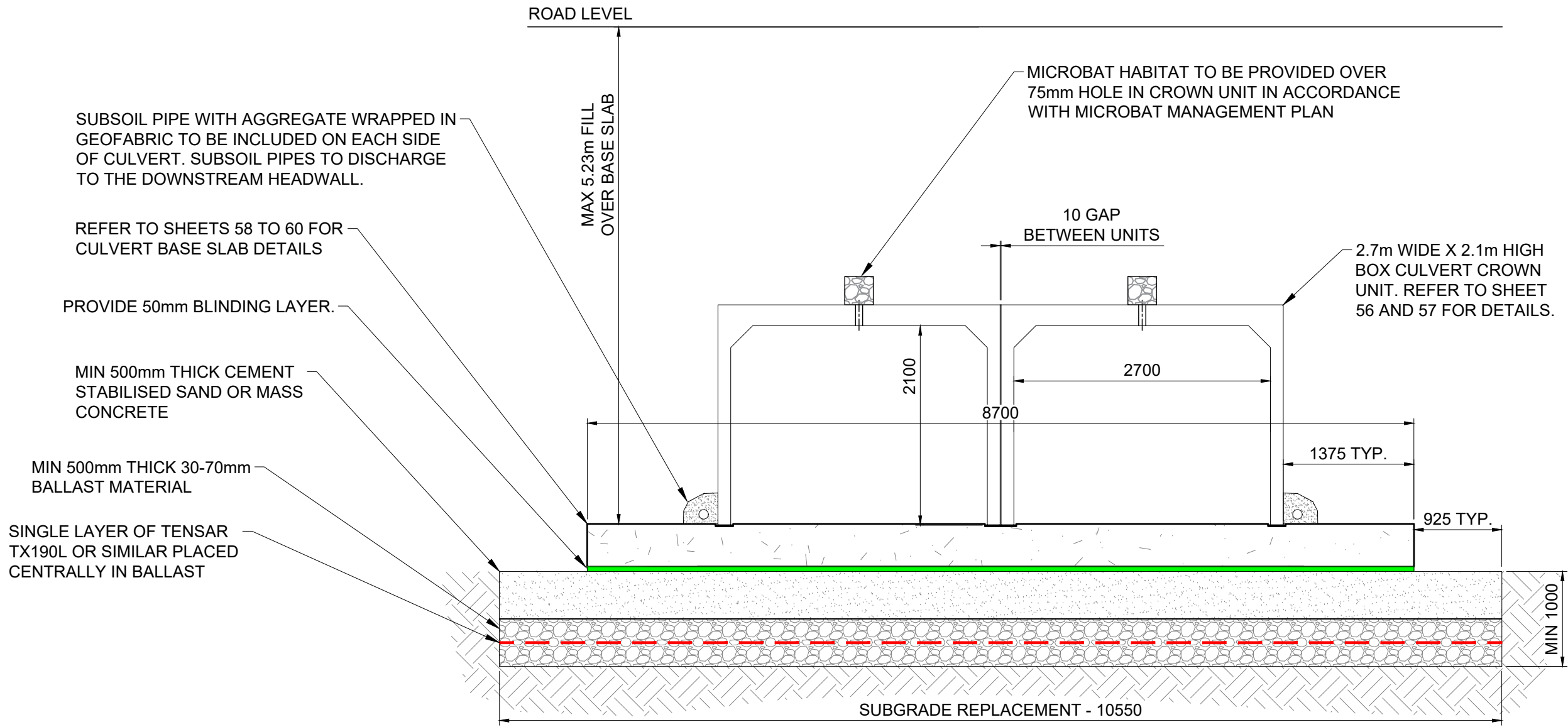
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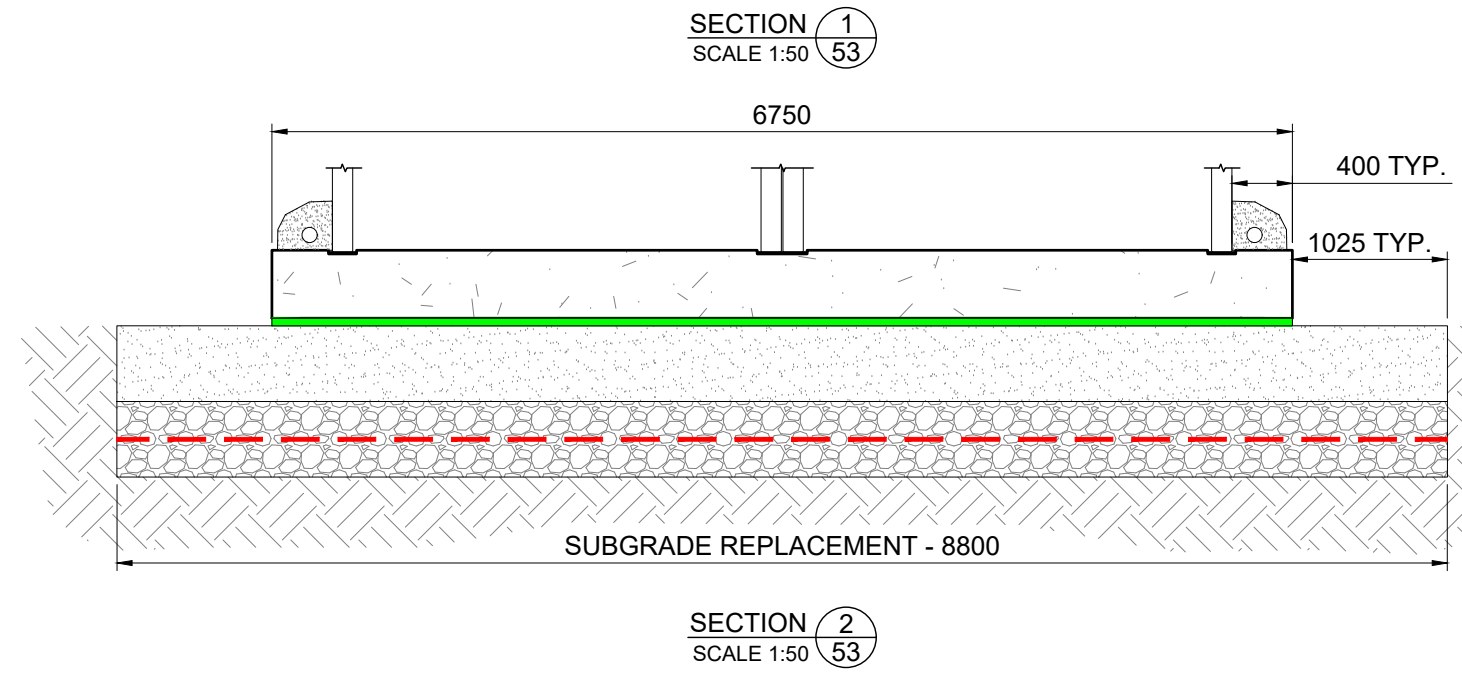
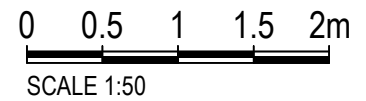
STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT LONGITUDINAL SECTIONS

PLAN No.
4227-10C

Sheet 54 of 64



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
 2. GEOTECHNICAL INVESTIGATION REPORT: "GEOTECHNICAL INVESTIGATION - MAITLAND VALE ROAD, ROSEBROOK", REPORT REF: G0871-GI-002-Rev0, Prepared by HUNTER GEOTECHNICAL SERVICES, Dated 5/05/2025
 3. REFER TO CULVERT CONSTRUCTION REQUIREMENTS IN SECTION 13 OF GEOTECHNICAL INVESTIGATION REPORT.
 4. PRIOR TO CONSTRUCTION OF THE SUBGRADE REPLACEMENT THE FOUNDATION CONDITIONS MUST BE CONFIRMED BY A QUALIFIED GEOTECHNICAL ENGINEER.
 5. CALCULATED ALLOWABLE BEARING PRESSURE UNDER BASE SLAB IS 109kPa (SLS). MINIMUM ALLOWABLE BEARING CAPACITY FOR CULVERT FOUNDATIONS IS 150kPa. CALCULATED DESIGN BEARING PRESSURE IS 193kPa (ULS). MINIMUM DESIGN BEARING PRESSURE IS 195kPa.



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SHEET REVISION		BY	DATE

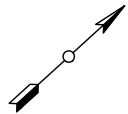
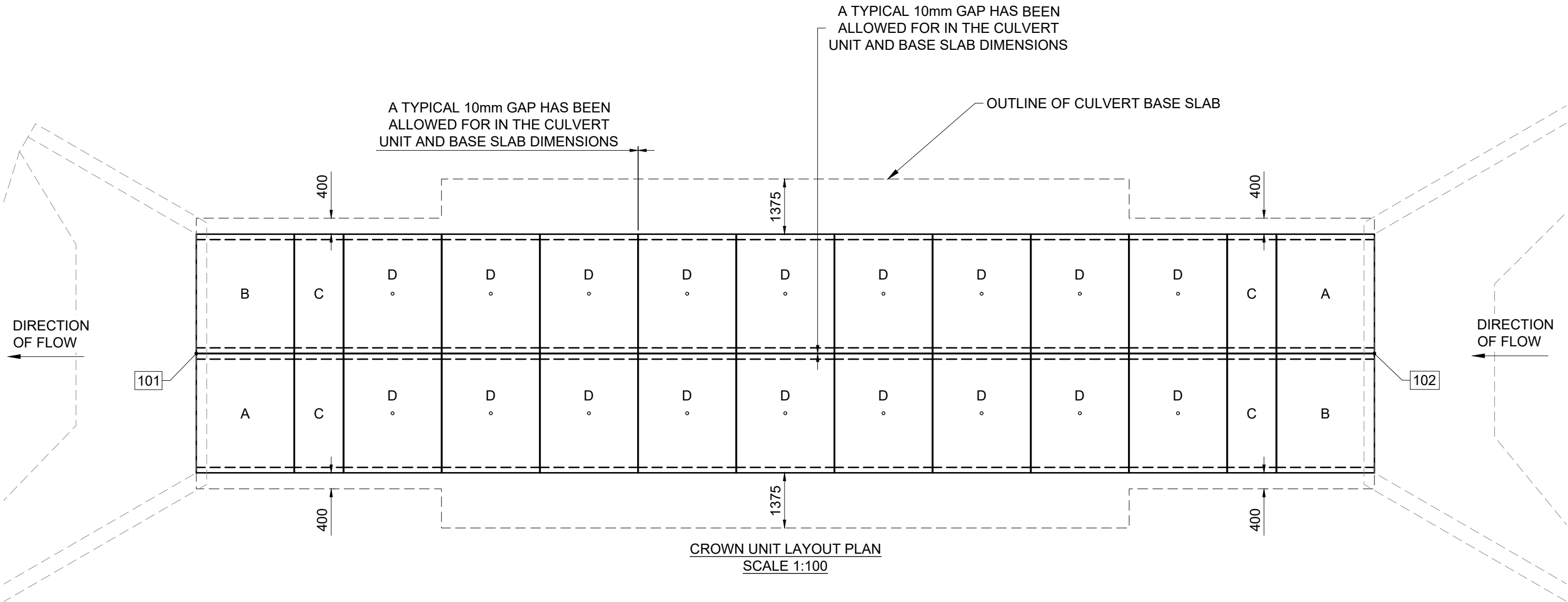
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DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:50	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT SECTIONS

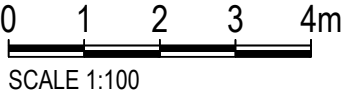
PLAN No.
4227-10C
Sheet 55 of 64



CROWN UNIT LAYOUT PLAN
SCALE 1:100

CULVERT SETOUT			
Point No.	Easting	Northing	R.L.
101	360415.509	6386323.412	9.950
102	360437.929	6386342.430	10.250

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
 - REFER TO SHEET 57 FOR CULVERT UNIT DIMENSIONS



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RATIO @A3 Ratio: 1:100	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

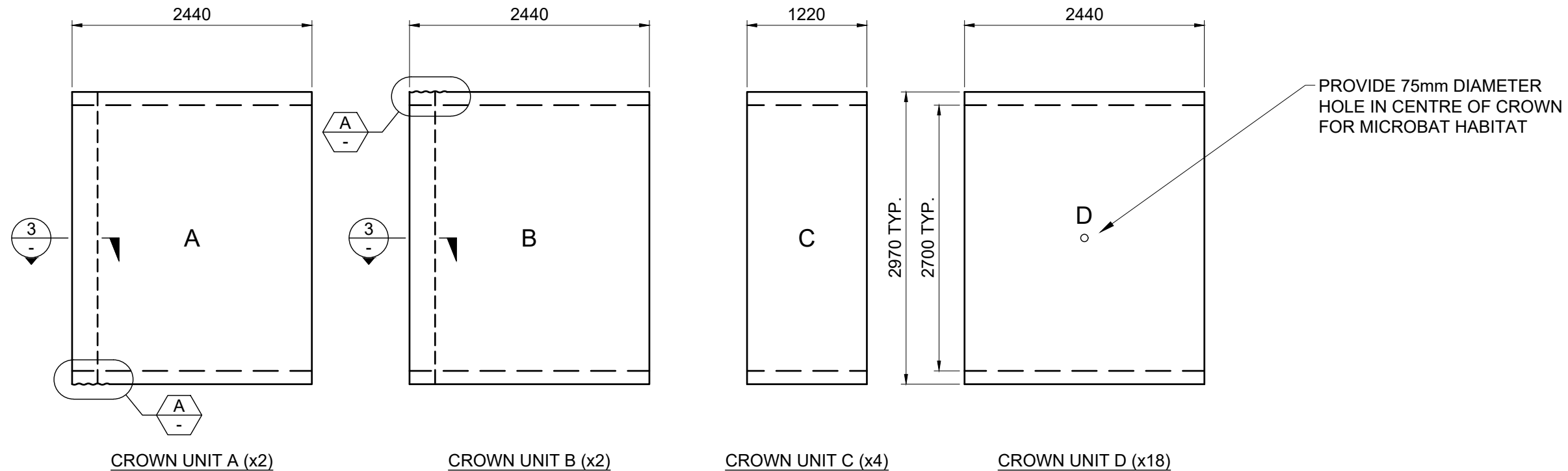
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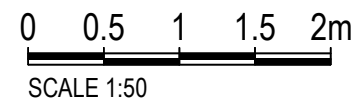
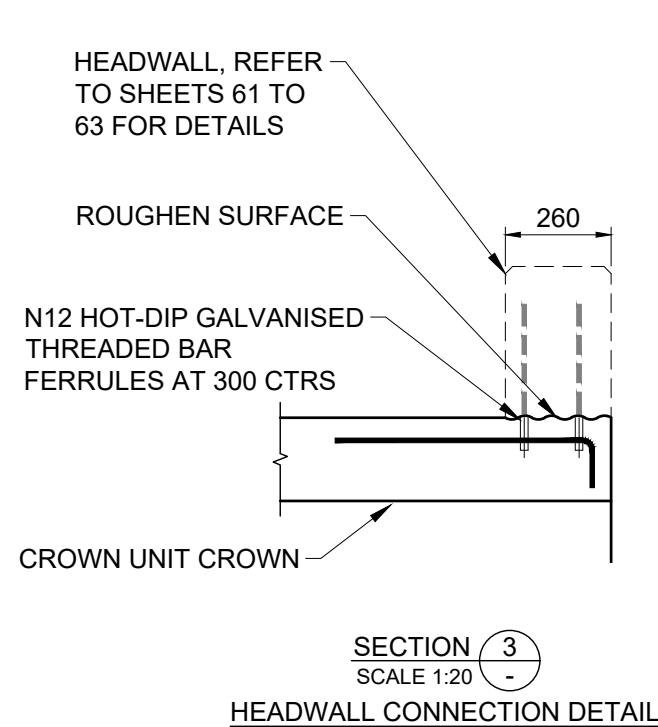
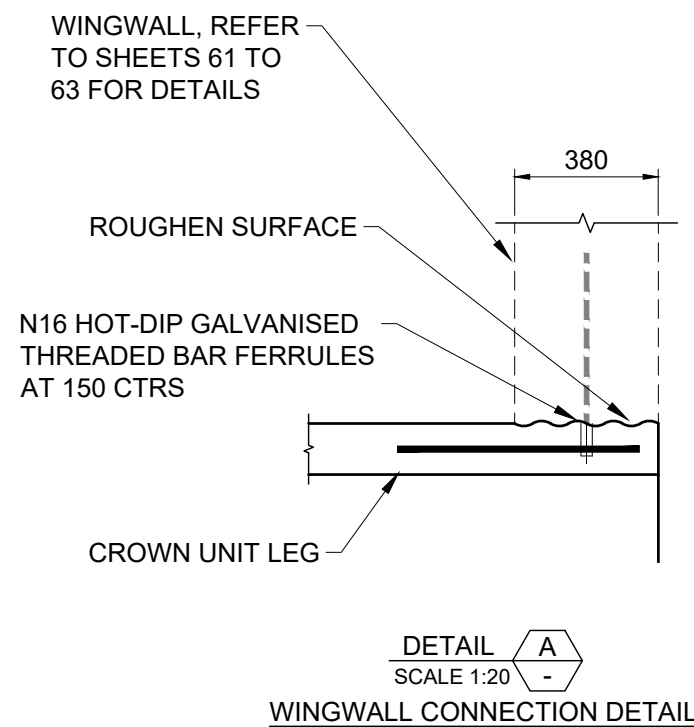
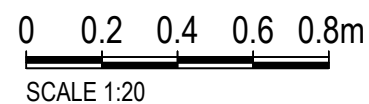
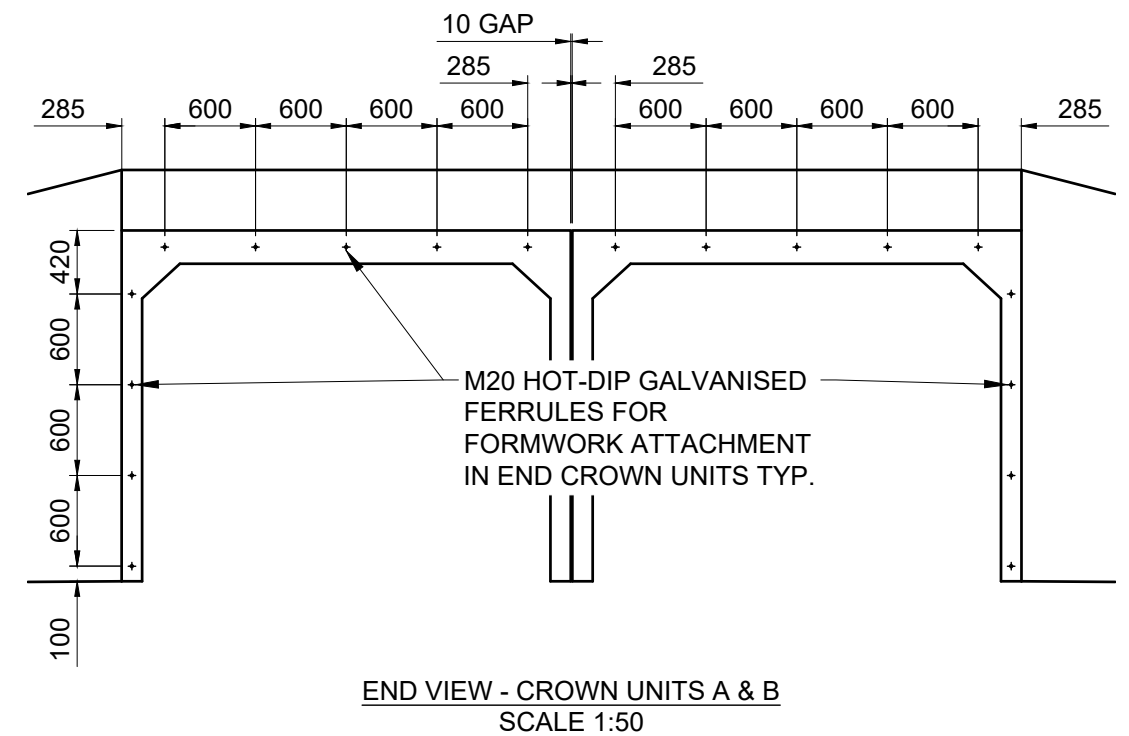
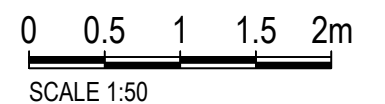
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT CROWN UNITS LAYOUT

PLAN No.
4227-10C
Sheet 56 of 64



CROWN UNIT DIMENSIONS
SCALE 1:50



- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE

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A	90% DETAILED DESIGN	CP	03/10/2025
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100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:100	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

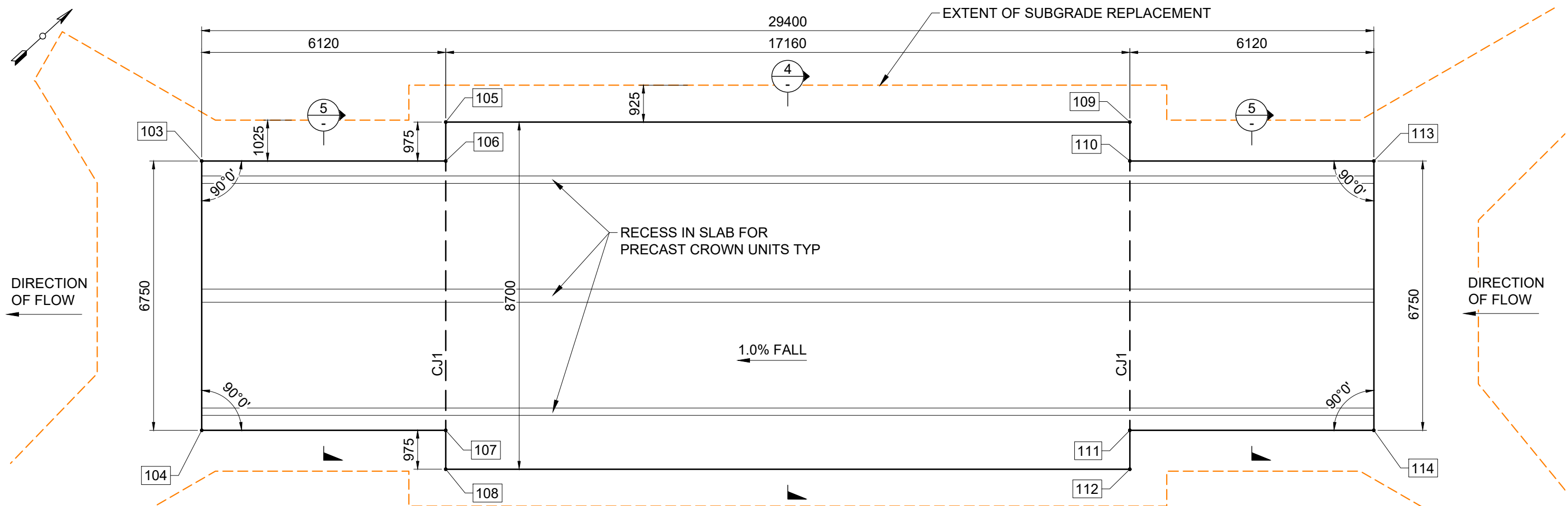
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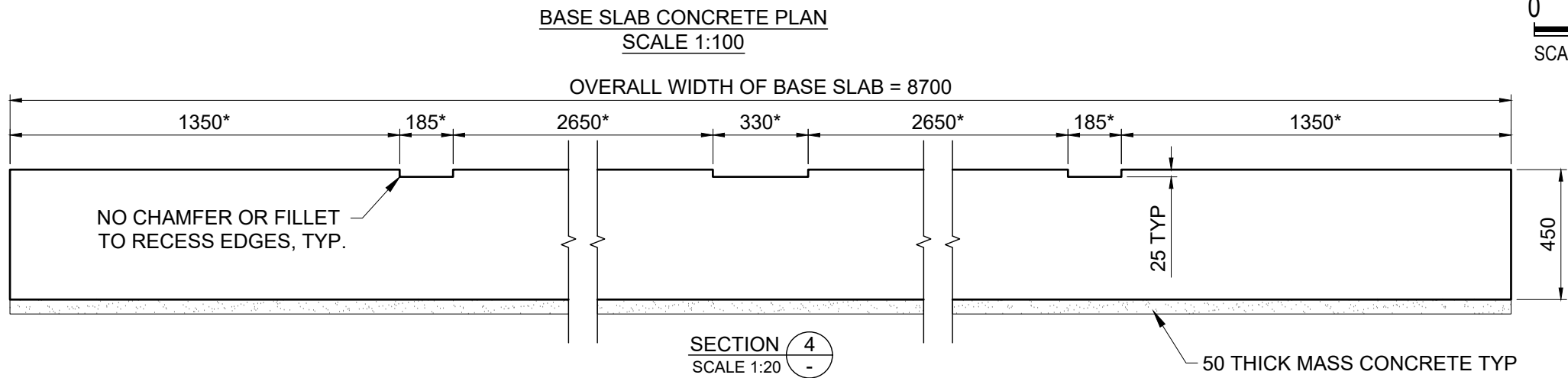
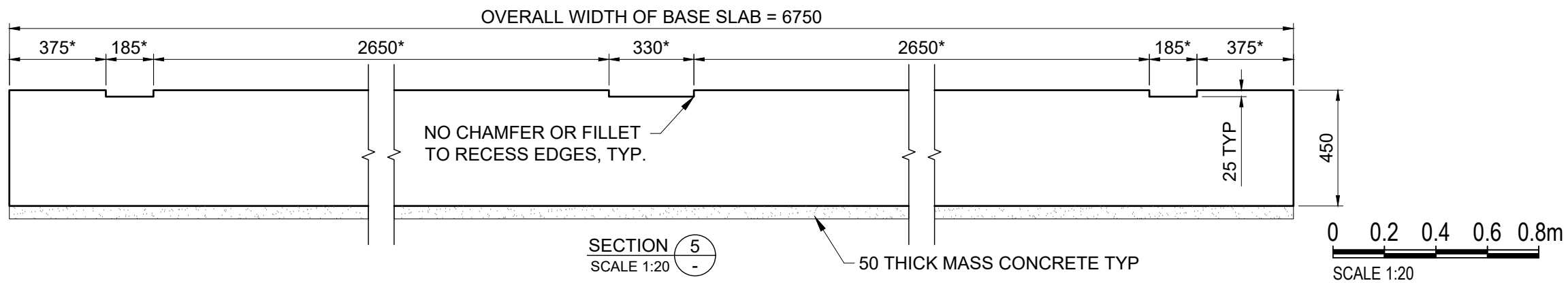
STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT CROWN UNIT DIMENSIONS

PLAN No.
4227-10C
Sheet 57 of 64



CULVERT SETOUT			
Point No.	Easting	Northing	R.L.
103	360413.326	6386325.985	9.950
104	360417.692	6386320.838	9.950
105	360417.362	6386330.688	10.012
106	360417.993	6386329.944	10.012
107	360422.359	6386324.797	10.012
108	360422.990	6386324.054	10.012
109	360430.448	6386341.789	10.188
110	360431.079	6386341.045	10.188
111	360435.445	6386335.898	10.188
112	360436.076	6386335.154	10.188
113	360435.746	6386345.004	10.250
114	360440.112	6386339.857	10.250

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
 - * ALL DIMENSIONS ARE DEPENDANT ON PRECAST CROWN UNIT GEOMETRY AND MUST BE VERIFIED PRIOR TO CONSTRUCTION



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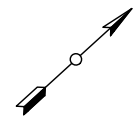
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DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:100	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

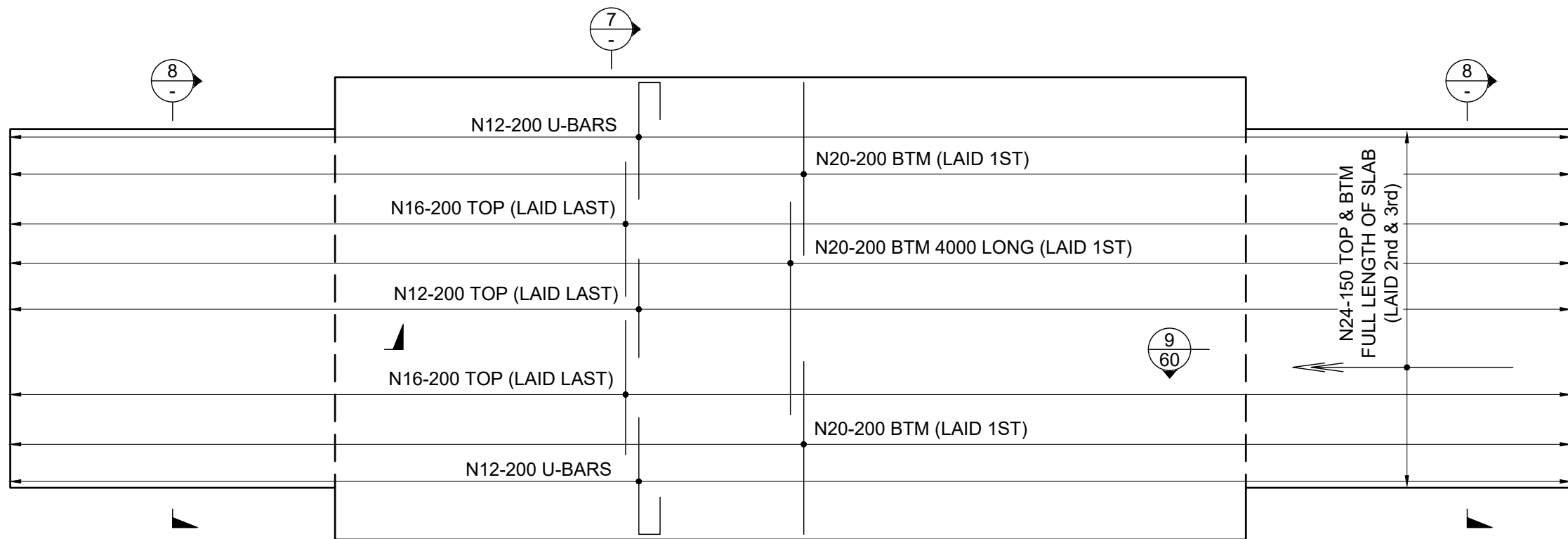
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT BASE SLAB - CONCRETE

PLAN No.
4227-10C
Sheet 58 of 64

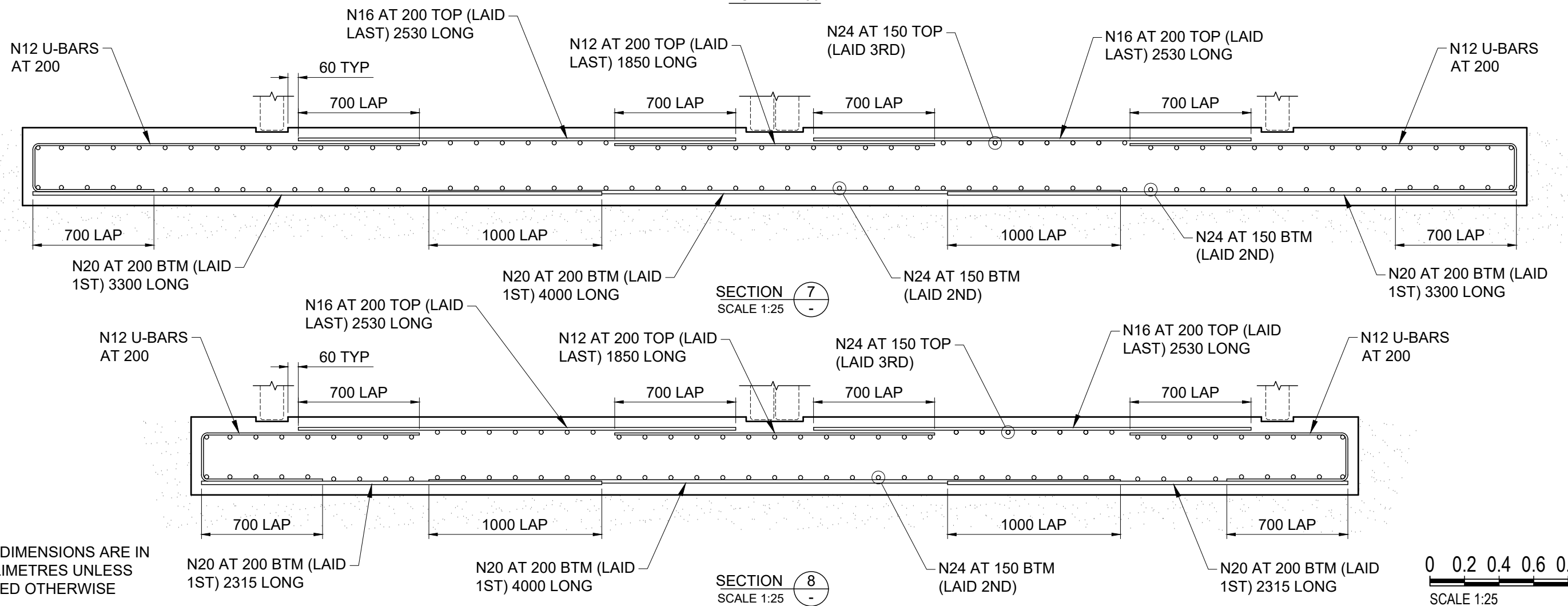


9
60



BASE SLAB PLAN
SCALE 1:100

0 1 2 3 4m
SCALE 1:100



NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE

0 0.2 0.4 0.6 0.8 1m
SCALE 1:25

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RATIO @A3
Ratio: 1:100

SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

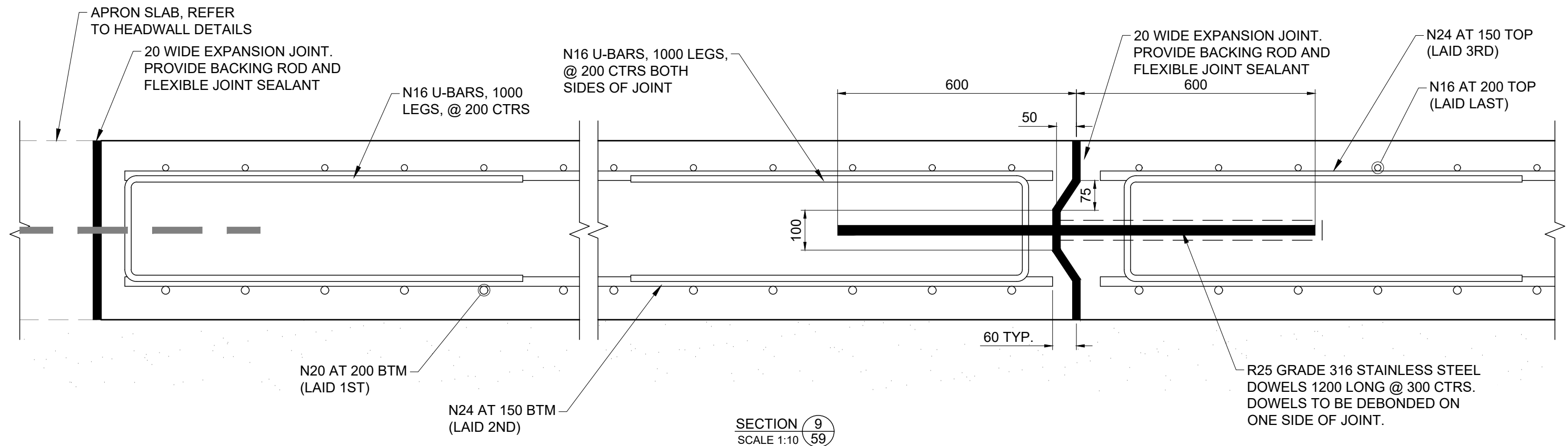
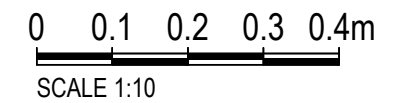
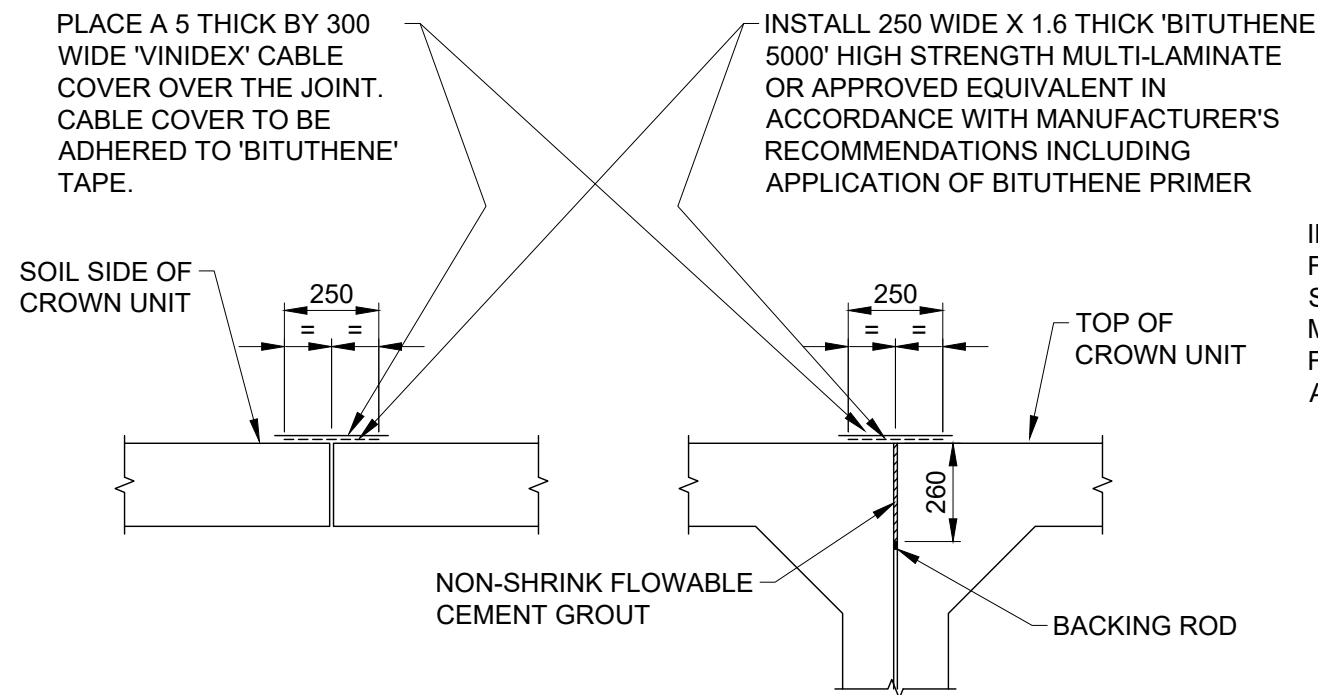
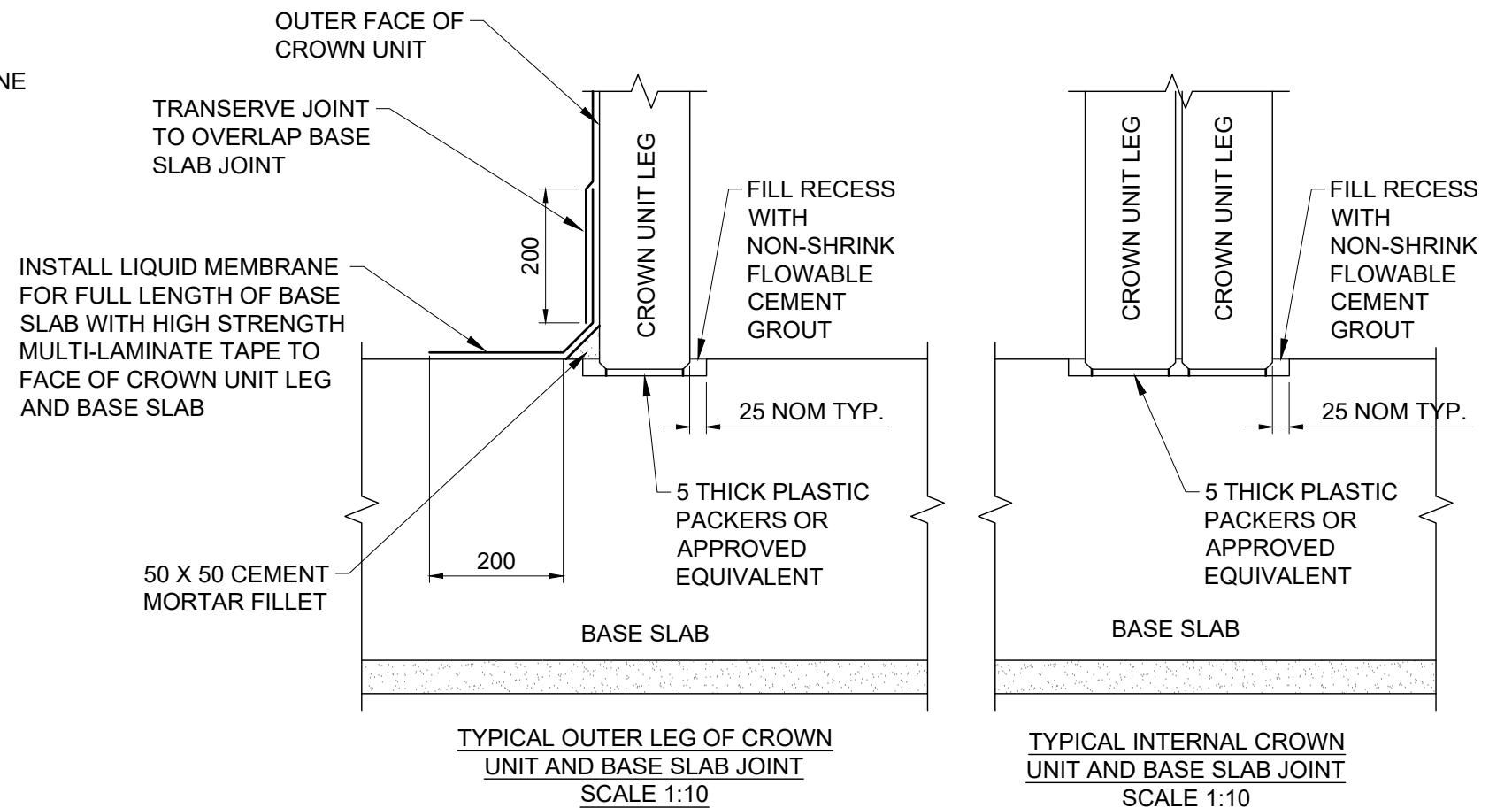
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT BASE SLAB - REINFORCEMENT DETAILS

PLAN No.
4227-10C
Sheet 59 of 64



TYPICAL JOINT TREATMENT
BETWEEN CROWN JOINTS -
TRANSVERSE JOINT

TYPICAL JOINT TREATMENT
AT TOP OF CROWN JOINTS -
LONGITUDINAL JOINT

TYPICAL OUTER LEG OF CROWN
UNIT AND BASE SLAB JOINT
SCALE 1:10

TYPICAL INTERNAL CROWN
UNIT AND BASE SLAB JOINT
SCALE 1:10

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RATIO @A3 Ratio: N.T.S	
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DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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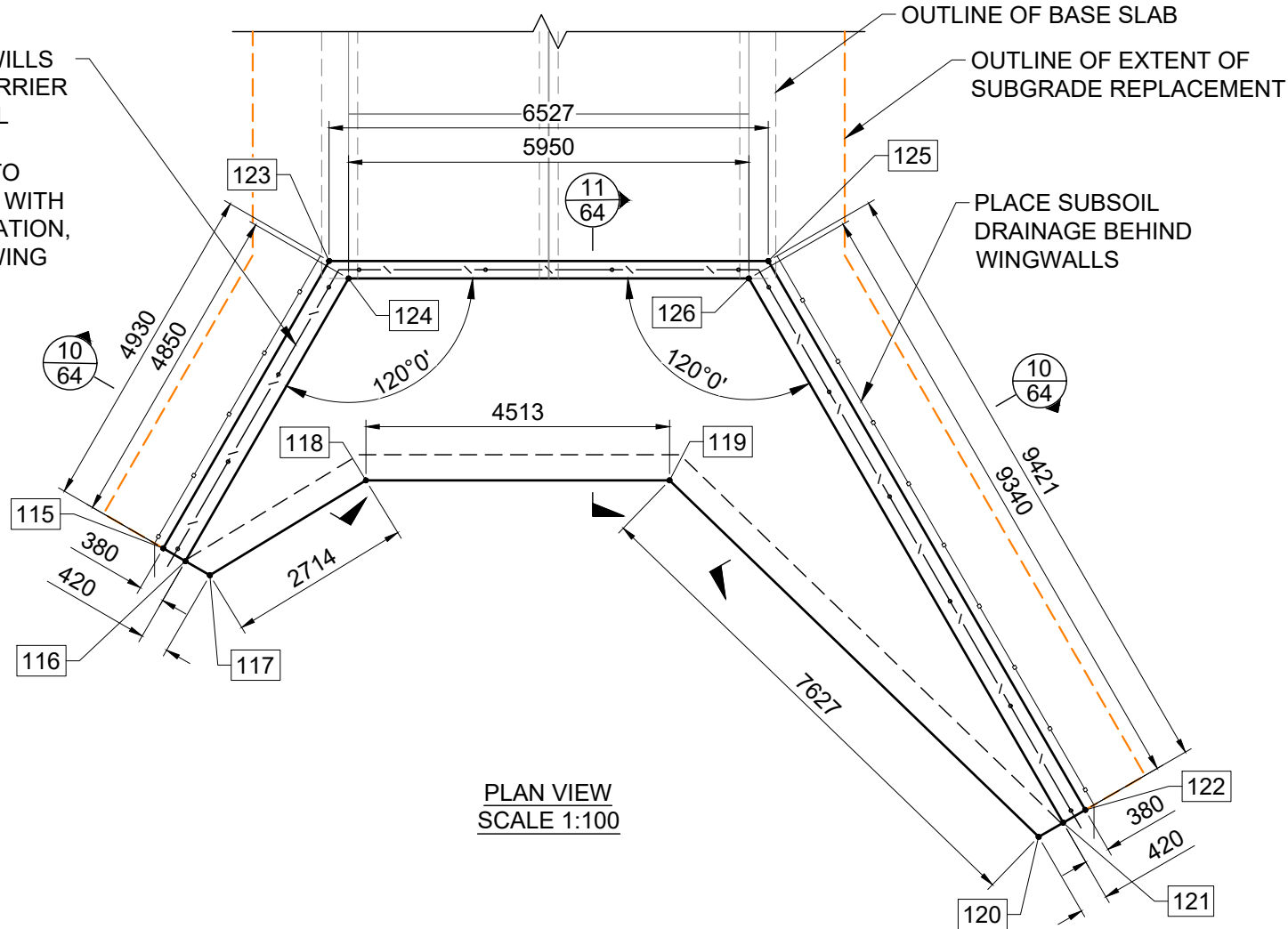
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT BASE SLAB DETAILS

PLAN No.
4227-10C
Sheet 60 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
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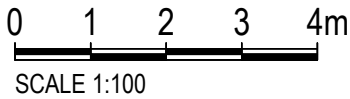
INSTALL WEBFORGE MONOWILLS CIVIL WINGWALL SAFETY BARRIER OR EQUIVALENT ALONG FULL LENGTH OF HEADWALL AND WINGWALLS. CONNECTION TO HEADWALL IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION, REFER TO WEBFORGE DRAWING NUMBER MWCV-EX-001.



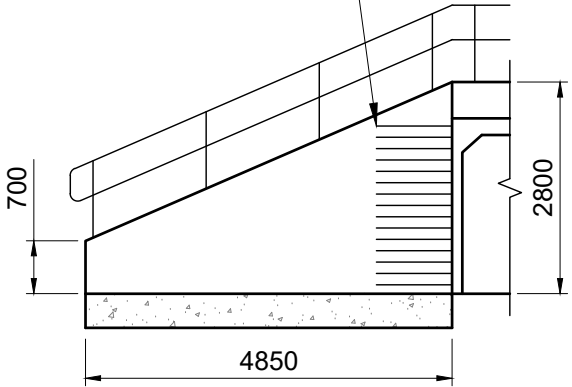
PLAN VIEW
SCALE 1:100

HEADWALL SETOUT

Point No.	Easting	Northing	R.L.
115	360408.745	6386325.187	10.750
116	360408.813	6386324.813	9.950/10.750
117	360408.888	6386324.399	9.950
118	360411.464	6386323.543	9.950
119	360414.383	6386320.102	9.950
120	360413.891	6386312.491	9.950
121	360414.286	6386312.349	9.950 / 10.750
122	360414.644	6386312.221	10.750
123	360413.596	6386326.069	12.750
124	360413.585	6386325.680	9.950 / 12.750
125	360417.819	6386321.091	12.750
126	360417.434	6386321.143	9.950 / 12.750

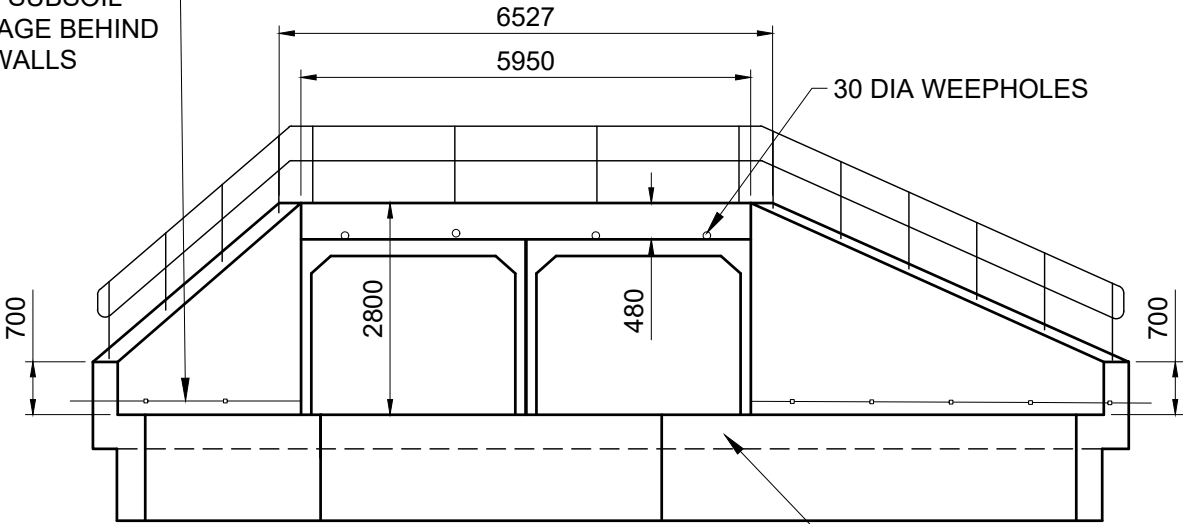


N16 THREADED STARTER BARS AT 150CTRS INSERTED IN CAST-IN FERRULES IN SIDE OF CROWN UNIT.



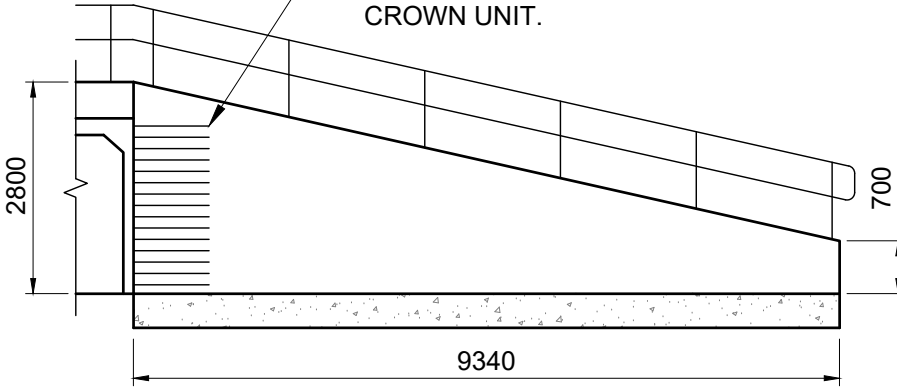
WINGWALL (LHS) ELEVATION
SCALE 1:100

PLACE SUBSOIL DRAINAGE BEHIND WINGWALLS



ELEVATION
SCALE 1:100

N16 THREADED STARTER BARS AT 150CTRS INSERTED IN CAST-IN FERRULES IN SIDE OF CROWN UNIT.



WINGWALL (RHS) ELEVATION
SCALE 1:100

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DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3
Ratio: 1:100

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CITY SERVICES

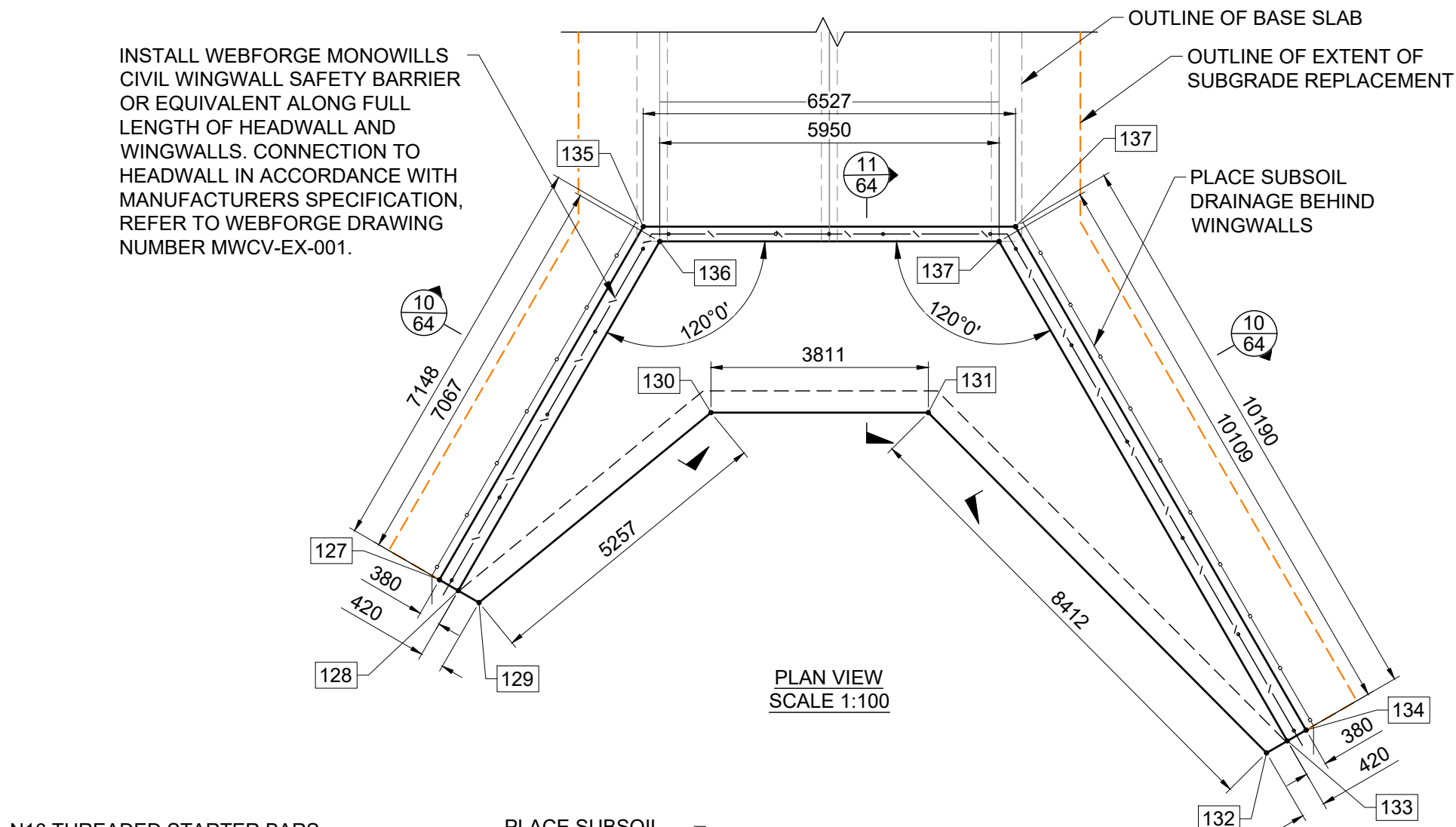
263 HIGH STREET
P.O. BOX 220
MAITLAND 2320

PHONE: (02) 49349700
FAX (02) 49333209
DX 21613 MAITLAND

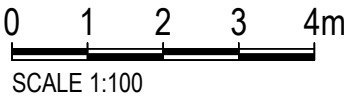
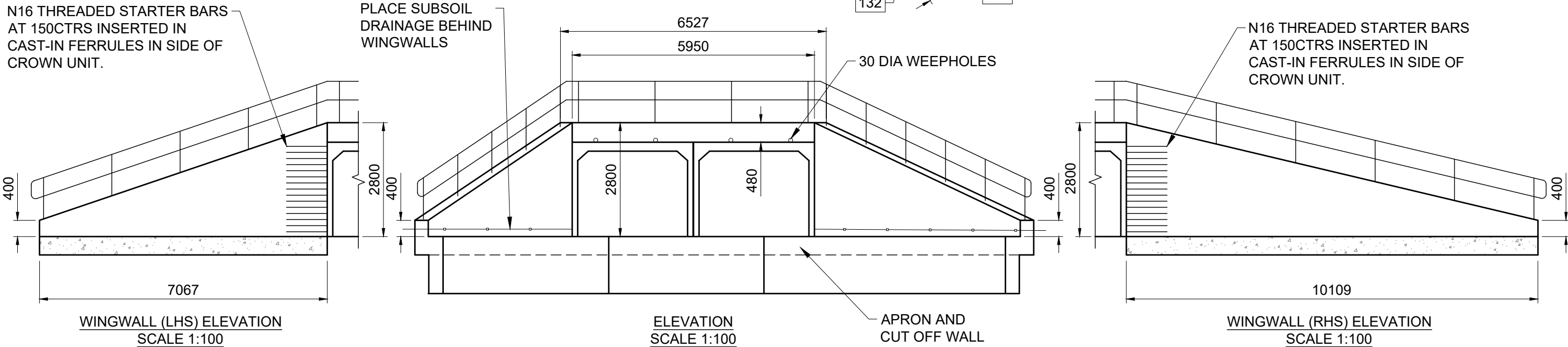
STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT HEADWALL - DOWNSTREAM LAYOUT

PLAN No.
4227-10C
Sheet 61 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
WORK WITH COLOURED PRINTS ONLY.



HEADWALL SETOUT			
Point No.	Easting	Northing	R.L.
127	360446.874	6386341.052	10.650
128	360446.806	6386341.426	10.250 / 10.650
129	360446.731	6386341.839	10.250
130	360441.560	6386342.787	10.250
131	360439.095	6386345.694	10.250
132	360439.806	6386354.075	10.250
133	360439.411	6386354.217	10.250 / 10.650
134	360439.053	6386354.345	10.650
135	360439.842	6386339.773	13.050
136	360439.853	6386340.162	10.250 / 13.050
137	360435.619	6386344.751	13.050
138	360436.016	6386344.701	10.250 / 13.050



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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
SHEET REVISION		BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3
Ratio: 1:100

SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

MAITLAND CITY COUNCIL
CITY SERVICES

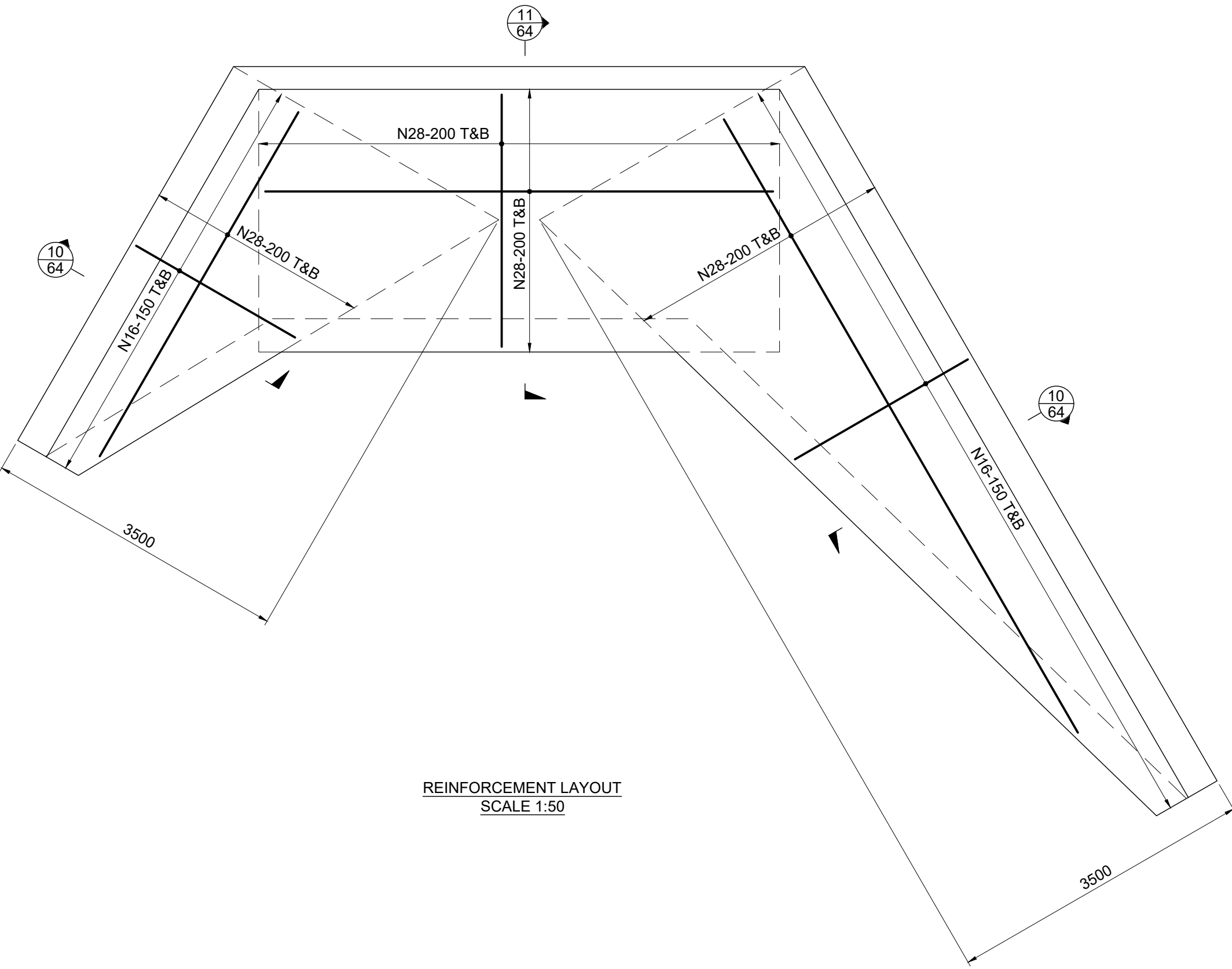
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT HEADWALL - UPSTREAM LAYOUT

PLAN No.
4227-10C
Sheet 62 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
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REINFORCEMENT LAYOUT
SCALE 1:50

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C	100% DETAILED DESIGN	CP	15/09/2026
B	AMENDMENTS TO CULVERT	CP	24/08/2026
A	90% DETAILED DESIGN	CP	03/10/2025
	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
CONSTRUCTION

RATIO @A3 Ratio: 1:100	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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CITY SERVICES

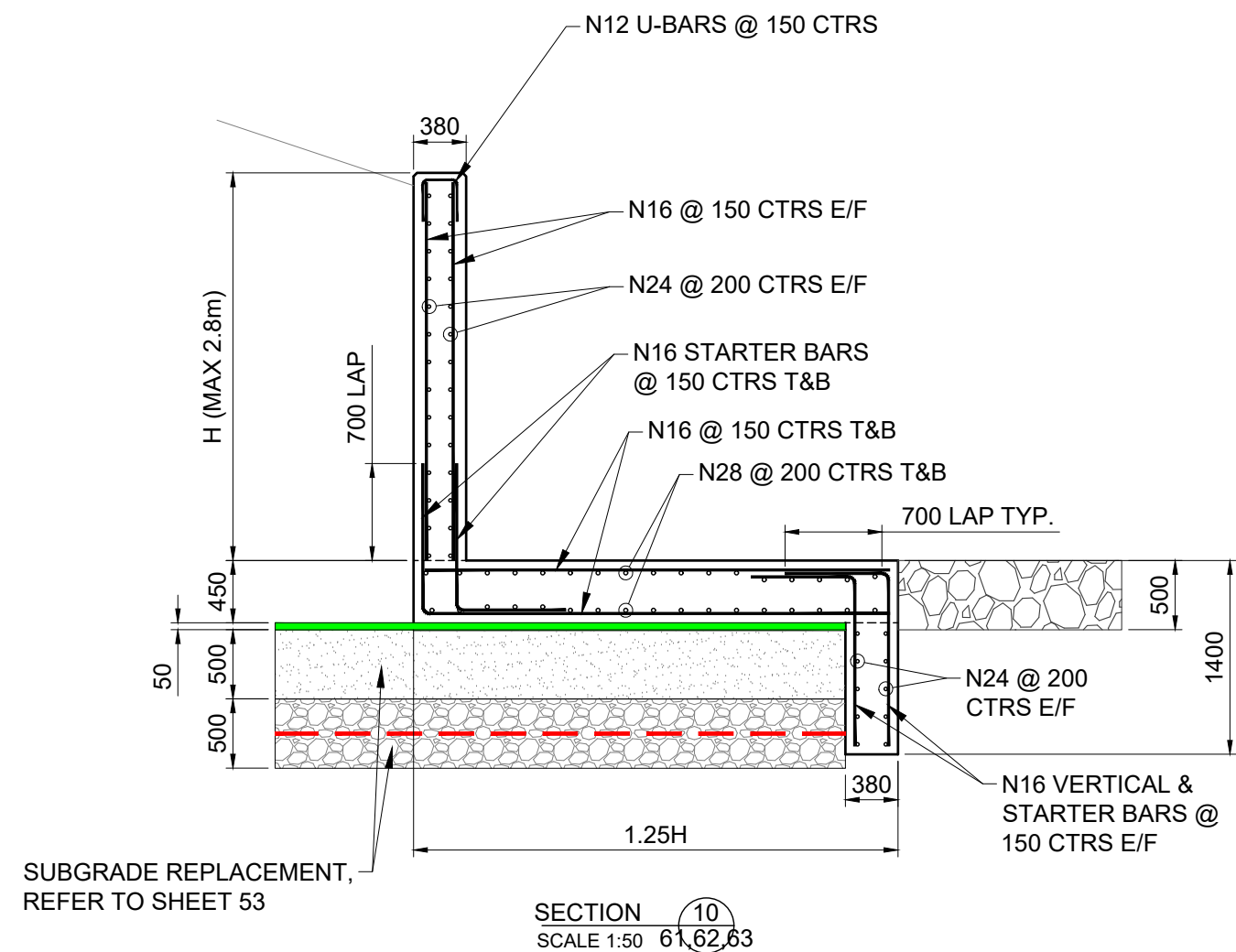
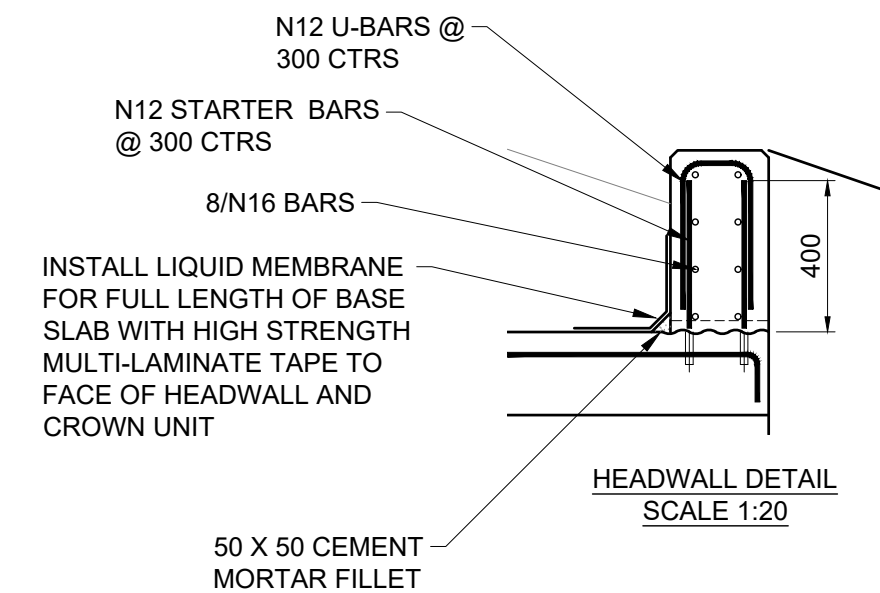
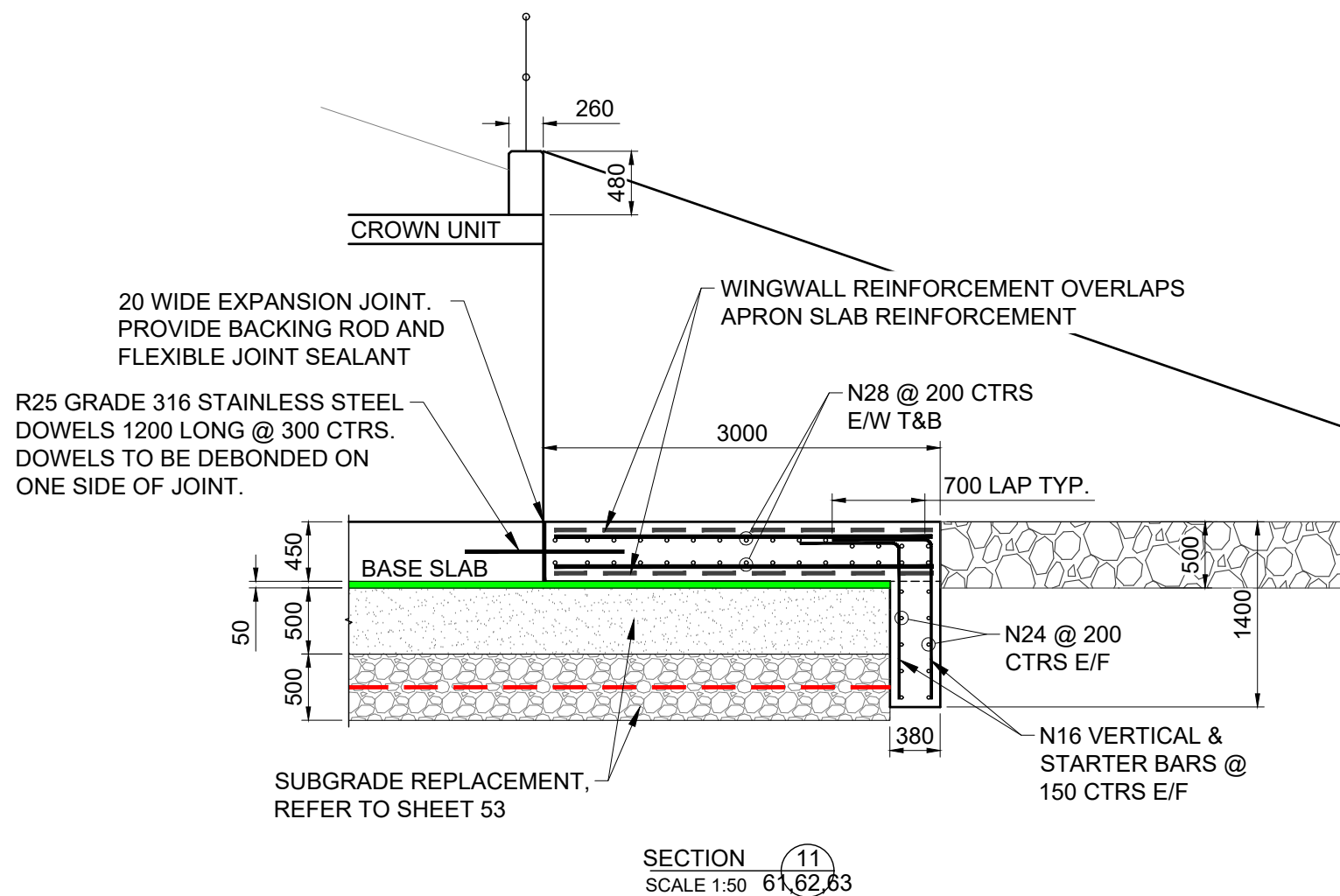
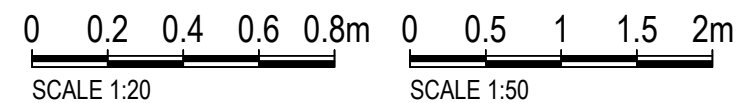
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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT HEADWALL - REINFORCEMENT LAYOUT

PLAN No.
4227-10C
Sheet 63 of 64

NOTE:- THIS PLAN HAS COLOURED ITEMS.
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C	100% DETAILED DESIGN	CP	15/09/2026
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	SHEET REVISION	BY	DATE

100% DETAILED
DESIGN - NOT FOR
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RATIO @A3 Ratio: 1:100	
SURVEYOR K. Wilcox	DATUM A.H.D.
DESIGNER C. Parsons	DATE OF PLAN 15/09/2026

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STATE ELECTION COMMITMENT - FLOOD MITIGATION
MAITLAND VALE ROAD
ROSEBROOK
BOX CULVERT HEADWALL - DETAILS

PLAN No.
4227-10C
Sheet 64 of 64