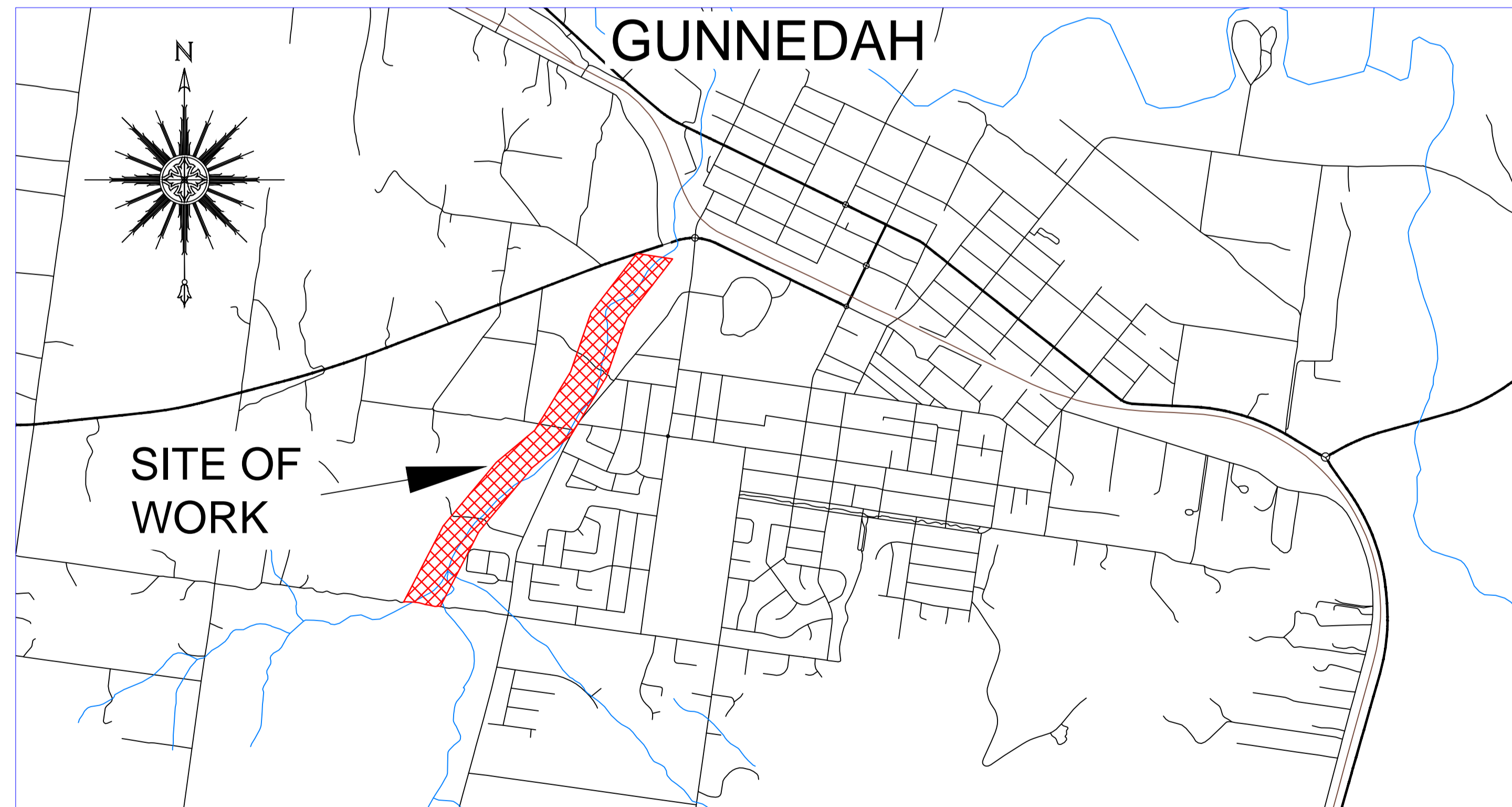




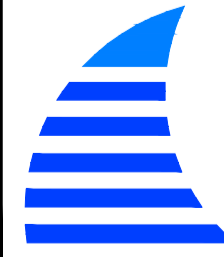
GUNNEDAH SHIRE COUNCIL BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION



LOCALITY PLAN

REV.	DATE	BY	DESCRIPTION	CHK.
3	02.12.2016	DB	ISSUED FOR TENDER	MB
2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

COVERSHEET

Client: GUNNEDAH SHIRE COUNCIL			 CONSTRUCTIVE SOLUTIONS PTY. LTD. PO Box 1498 Tamworth NSW 2340 Australia Tel: (02) 6762 1969 Fax: (02) 6762 1969 Email: admin@constructivesolutions.com.au www.constructivesolutions.com.au
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION			
Design Completed: 02.12.2016	Designed: DB	Status: TENDER	Plan Size: A1 Drawing No: 201201-001

SHEET NUMBER	DESCRIPTION
201201-001	COVER SHEET
201201-002	SHEET INDEX
201201-003	OVERALL SITE PLAN
201201-004	EXISTING CONDITIONS & TEST BORE PLAN SHEET 1
201201-005	EXISTING CONDITIONS & TEST BORE PLAN SHEET 2
201201-006	EXISTING CONDITIONS & TEST BORE PLAN SHEET 3
201201-007	EXISTING CHANNEL LONGITUDINAL SECTION & TYPICAL SECTIONS
201201-008	PLAN & LONGITUDINAL SECTION CH 50.000 - CH 725.000
201201-009	PLAN & LONGITUDINAL SECTION CH 725.000 - CH 1400.000
201201-010	PLAN & LONGITUDINAL SECTION CH 1400.000 - CH 1984.870
201201-011	DRAINAGE LONGITUDINAL SECTIONS 1
201201-012	DRAINAGE LONGITUDINAL SECTIONS 2
201201-013	DRAINAGE LONGITUDINAL SECTIONS 3
201201-014	CROSS SECTIONS CH 50.000 - CH 300.000
201201-015	CROSS SECTIONS CH 325.000 - CH 550.000
201201-016	CROSS SECTIONS CH 575.00 - CH 650.000
201201-017	CROSS SECTIONS CH 675.000 - CH 750.000
201201-018	CROSS SECTIONS CH 775.000 - CH 850.000
201201-019	CROSS SECTIONS CH 875.000 - CH 950.000
201201-020	CROSS SECTIONS CH975.000 - CH 1175.000
201201-021	CROSS SECTIONS CH 1200.000 - CH 1375.000
201201-022	CROSS SECTIONS CH 1400.000 - CH 1625.000
201201-023	CROSS SECTIONS CH 1650.000 - CH 1850.000
201201-024	CROSS SECTIONS CH 18750.000 - CH 1950.000
201201-025	BALMORAL ACCESS PLAN & LONGITUDINAL SECTION CH 0.000 - CH 175.000
201201-026	BALMORAL ACCESS PLAN & LONGITUDINAL SECTION CH 175.000 - CH 349.445
201201-027	RIPARIAN RESTORATION ZONE - SHEET 1
201201-028	RIPARIAN RESTORATION ZONE - SHEET 2
201201-029	RIPARIAN RESTORATION ZONE - SHEET 3
201201-030	CONSTRUCTION NOTES

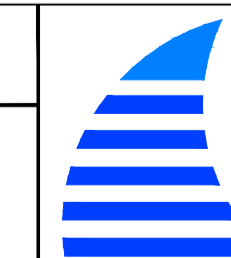
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2	26.11.2016	DB	ISSUED FOR TENDER	MB
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SHEET INDEX

Client: **GUNNEDAH SHIRE COUNCIL**

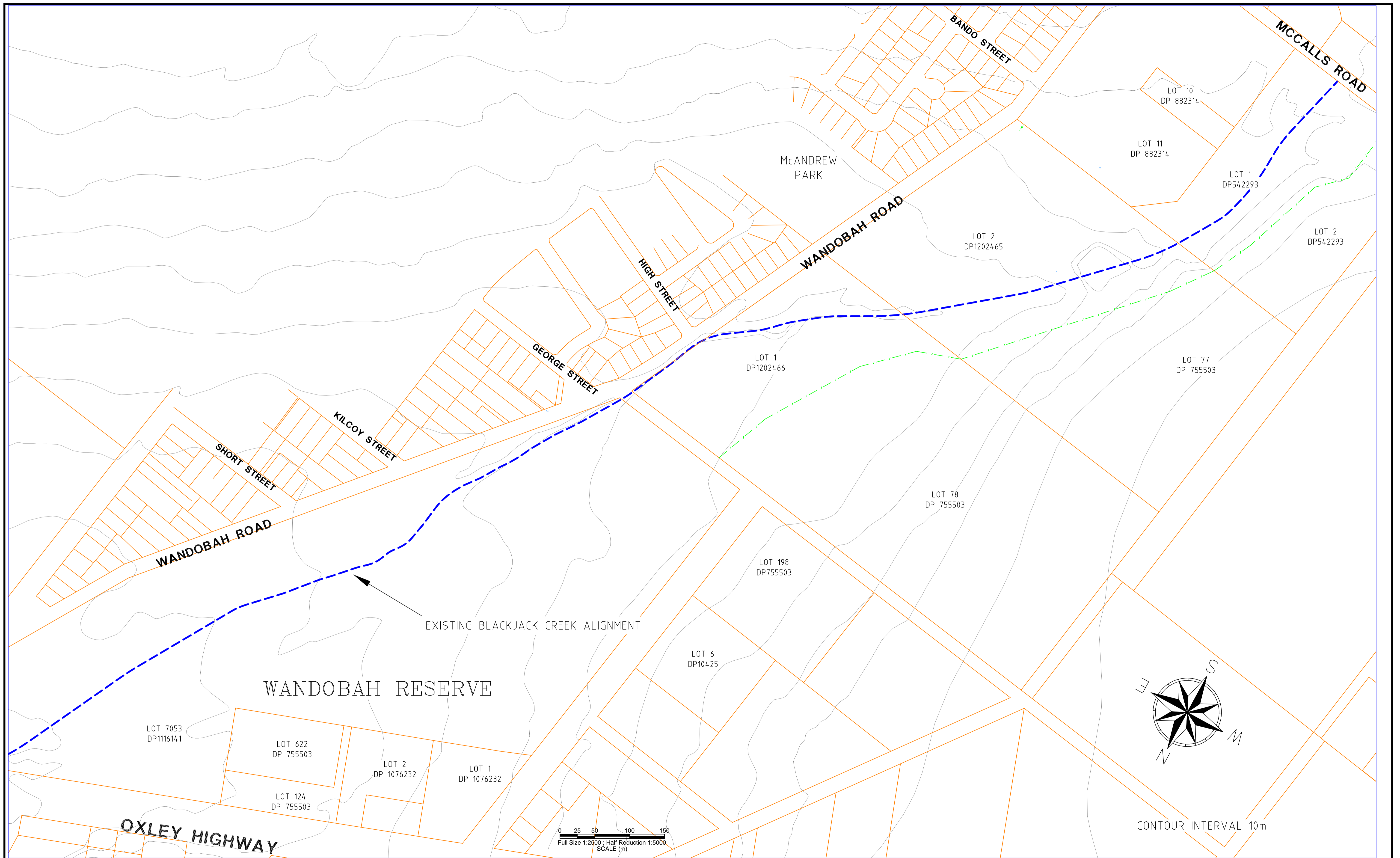
**BLACKJACK CREEK RIPARIAN CORRIDOR &
CHANNEL RECONSTRUCTION**

Design Completed: 02.12.2016 Designed: DB Status: **TENDER**



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Plan Size: **A1** Drawing No: **201201-002**



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1	19.11.2016	DB	ISSUED FOR REVIEW	MB

OVERALL SITE PLAN

Client: **GUNNEDAH SHIRE COUNCIL**

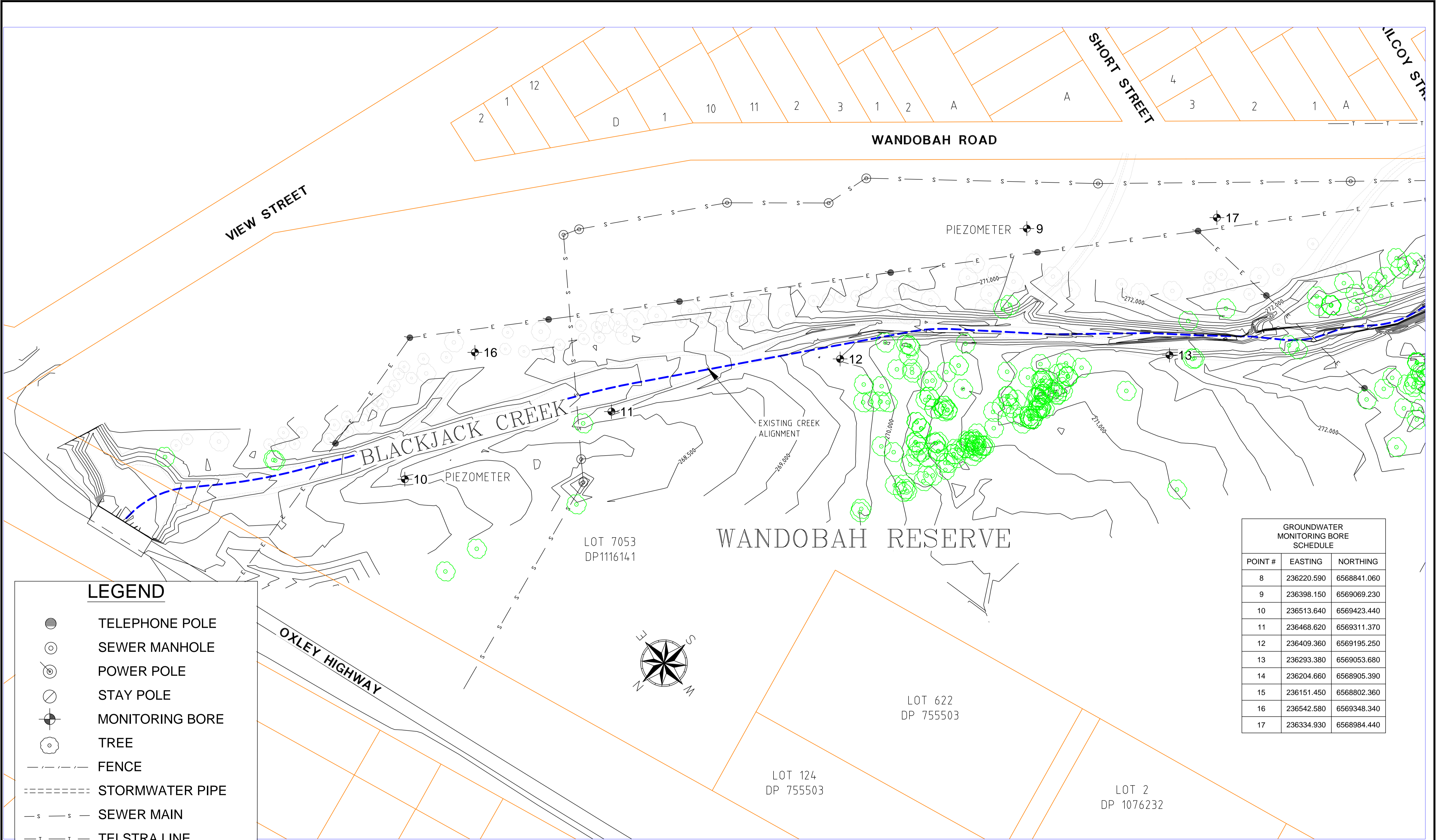
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION

Design Completed: 02.12.2016 Designed: DB Status: **TENDER**



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Plan Size: **A1** Drawing No: **201201-003**



GROUNDWATER MONITORING BORE SCHEDULE		
POINT #	EASTING	NORTHING
8	236220.590	6568841.060
9	236398.150	6569069.230
10	236513.640	6569423.440
11	236468.620	6569311.370
12	236409.360	6569195.250
13	236293.380	6569053.680
14	236204.660	6568905.390
15	236151.450	6568802.360
16	236542.580	6569348.340
17	236334.930	6568984.440

LEGEND	
	TELEPHONE POLE
	SEWER MANHOLE
	POWER POLE
	STAY POLE
	MONITORING BORE
	TREE
	FENCE
	STORMWATER PIPE
	SEWER MAIN
	TELSTRA LINE
	OVERHEAD POWERLINE

0 10 20 40 60
 Full Size 1:1000 ; Half Reduction 1:2000
 SCALE (m)

CONTOUR INTERVAL 0.25m

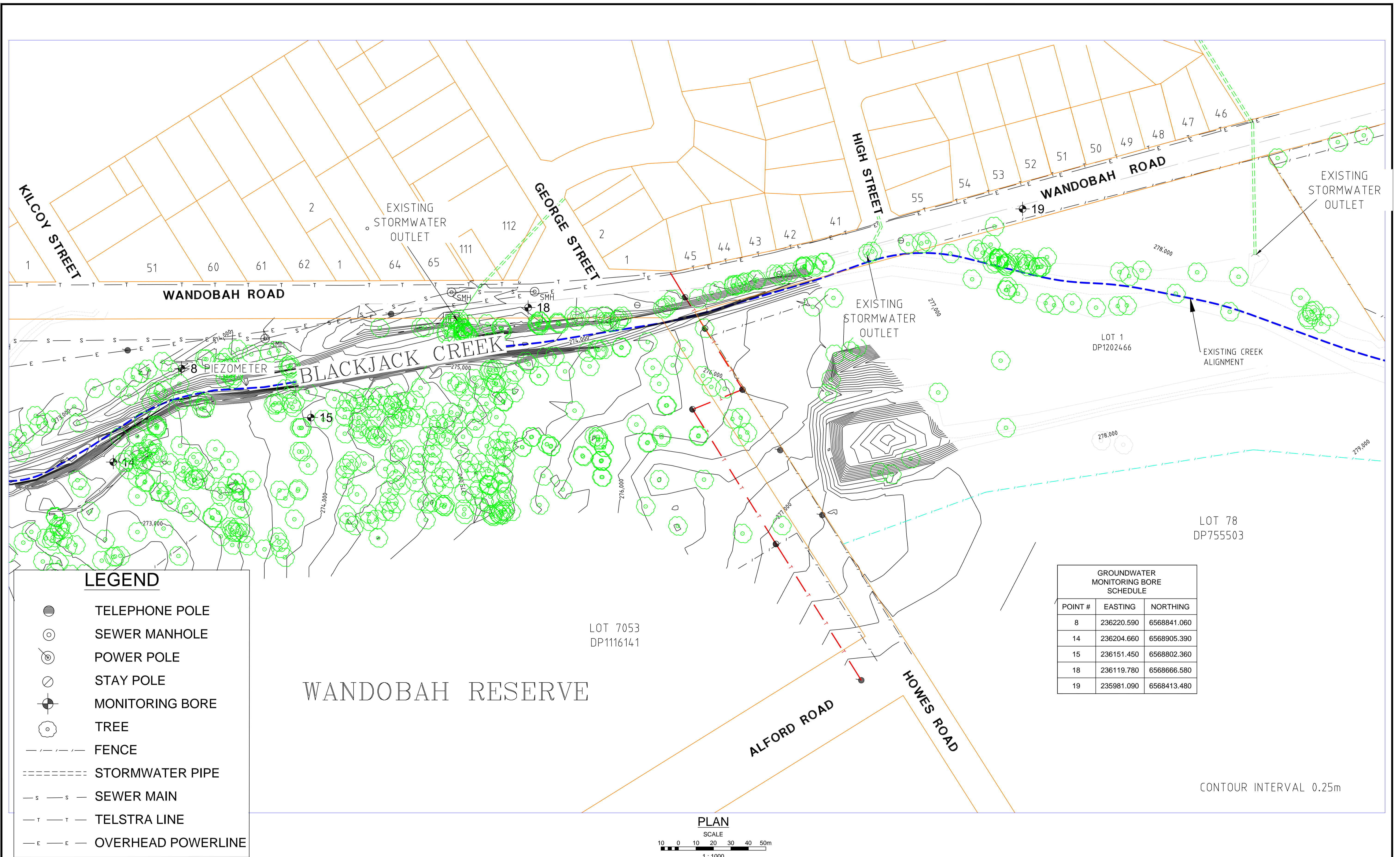
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3	02.12.2016	DB	ISSUED FOR TENDER	MB
2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

**EXISTING CONDITIONS &
 TEST BORE PLAN
 SHEET 3**

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER

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Plan Size: **A1** Drawing No: **201201-004**

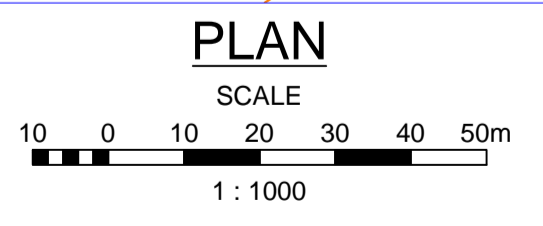


GROUNDWATER MONITORING BORE SCHEDULE		
POINT #	EASTING	NORTHING
8	236220.590	6568841.060
14	236204.660	6568905.390
15	236151.450	6568802.360
18	236119.780	6568666.580
19	235981.090	6568413.480

LEGEND

- TELEPHONE POLE
- SEWER MANHOLE
- ⊙ POWER POLE
- ⊘ STAY POLE
- ⊕ MONITORING BORE
- TREE
- - - - - FENCE
- - - - - STORMWATER PIPE
- s - s - SEWER MAIN
- T - T - TELSTRA LINE
- E - E - OVERHEAD POWERLINE

CONTOUR INTERVAL 0.25m



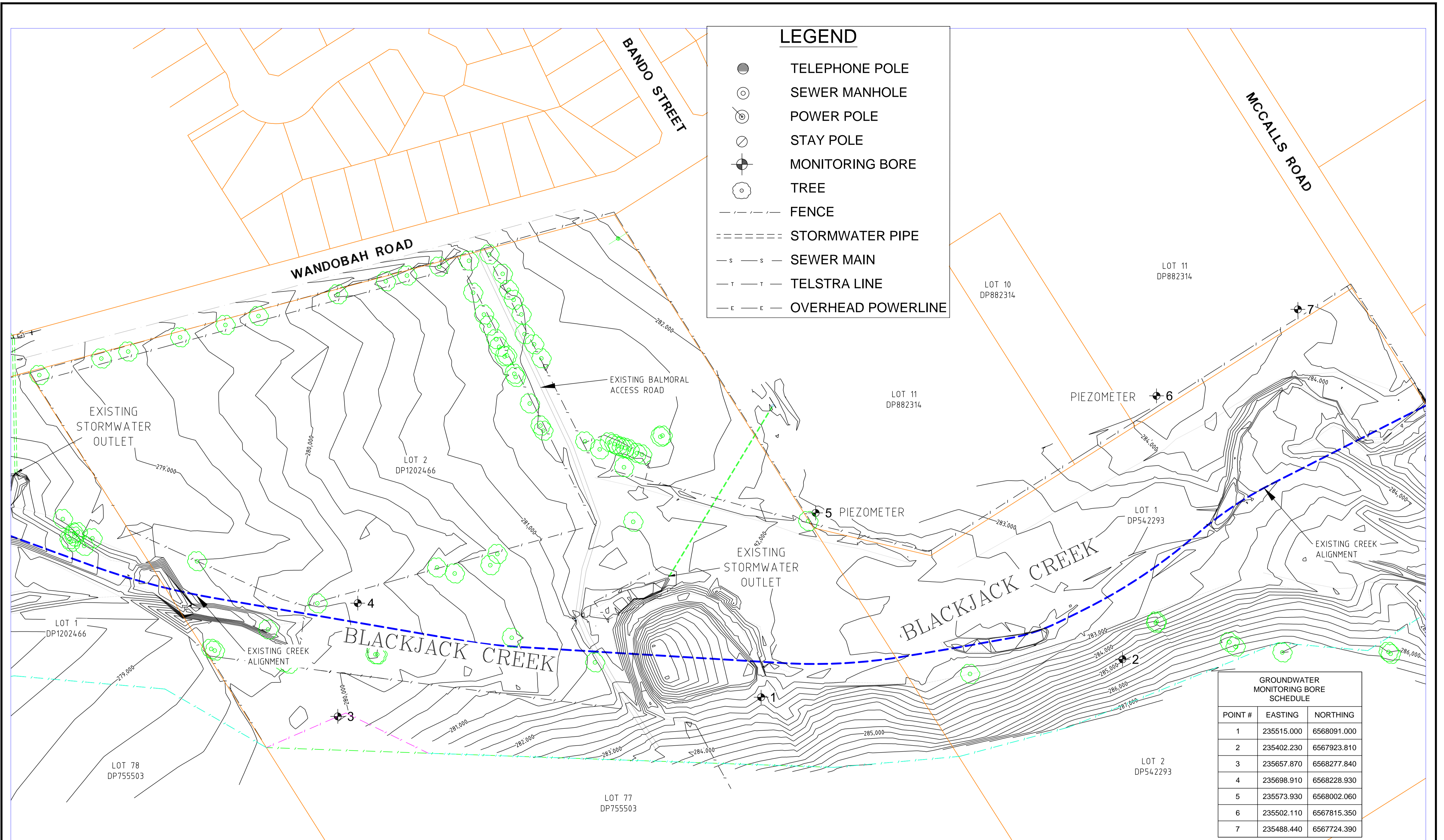
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3	02.12.2016	DB	ISSUED FOR TENDER	MB
2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

EXISTING CONDITIONS & TEST BORE PLAN SHEET 2

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER


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Plan Size: **A1** Drawing No: **201201-005**

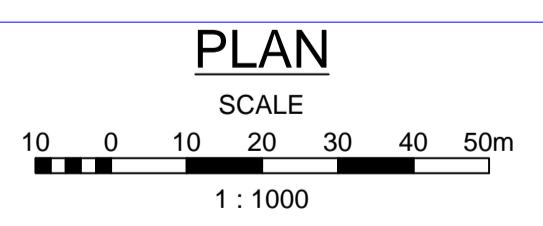


LEGEND

- TELEPHONE POLE
- SEWER MANHOLE
- ⊙ POWER POLE
- ⊘ STAY POLE
- ⊕ MONITORING BORE
- TREE
- - - - - FENCE
- ==== STORMWATER PIPE
- s - s - SEWER MAIN
- T - T - TELSTRA LINE
- E - E - OVERHEAD POWERLINE

GROUNDWATER MONITORING BORE SCHEDULE

POINT #	EASTING	NORTHING
1	235515.000	6568091.000
2	235402.230	6567923.810
3	235657.870	6568277.840
4	235698.910	6568228.930
5	235573.930	6568002.060
6	235502.110	6567815.350
7	235488.440	6567724.390



REV.	DATE	BY	DESCRIPTION	CHK.
3	02.12.2016	DB	ISSUED FOR TENDER	MB
2	26.11.2016	DB	ISSUED FOR TENDER	MB
A	19.11.2016	DB	ISSUED FOR REVIEW	MB

EXISTING CONDITIONS & TEST BORE PLAN SHEET 3

Client: **GUNNEDAH SHIRE COUNCIL**

BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION

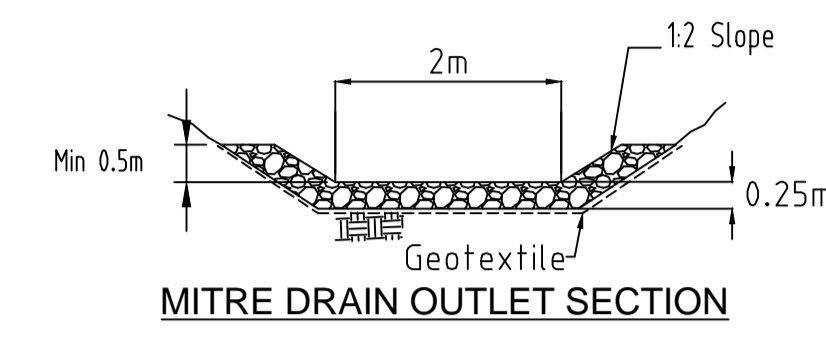
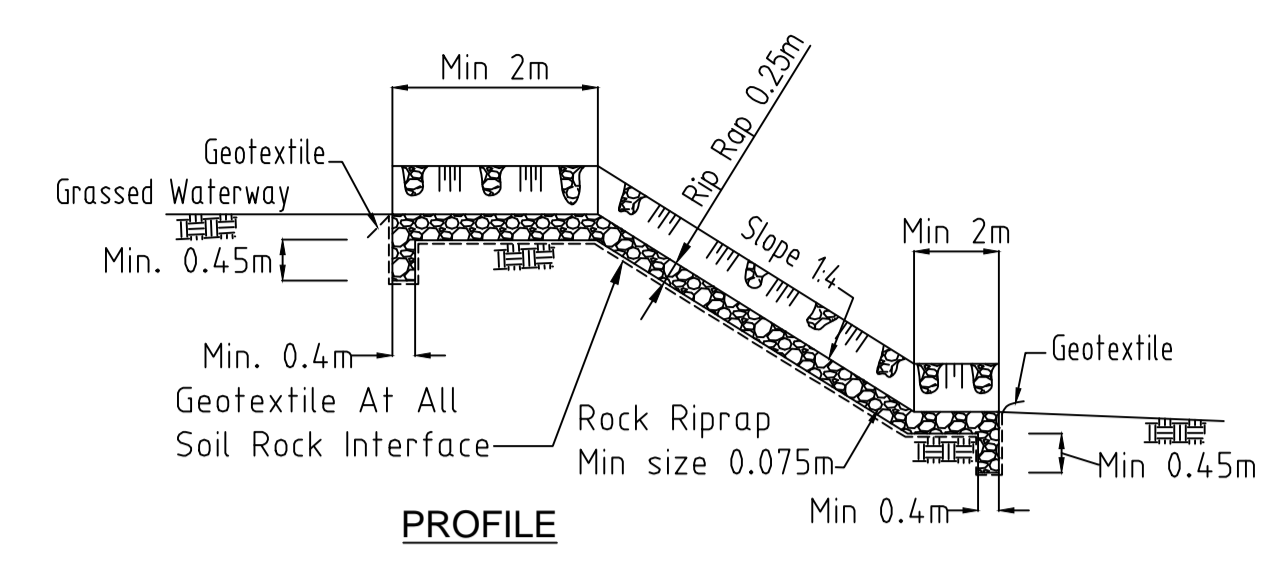
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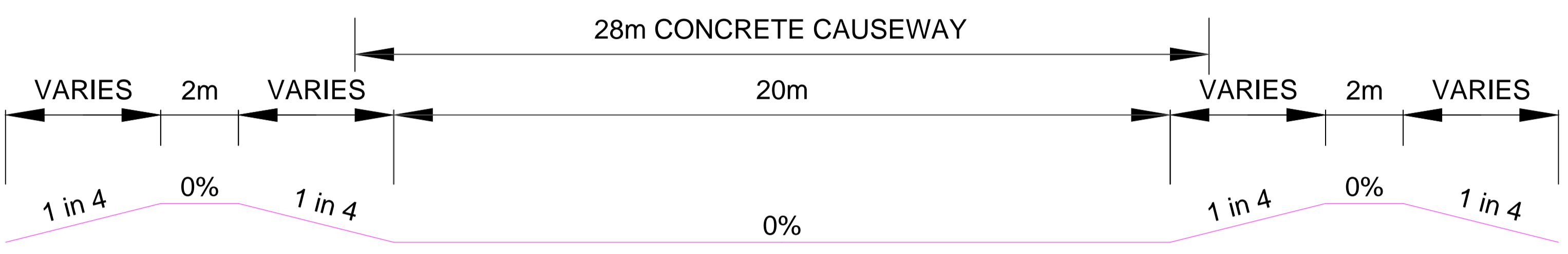
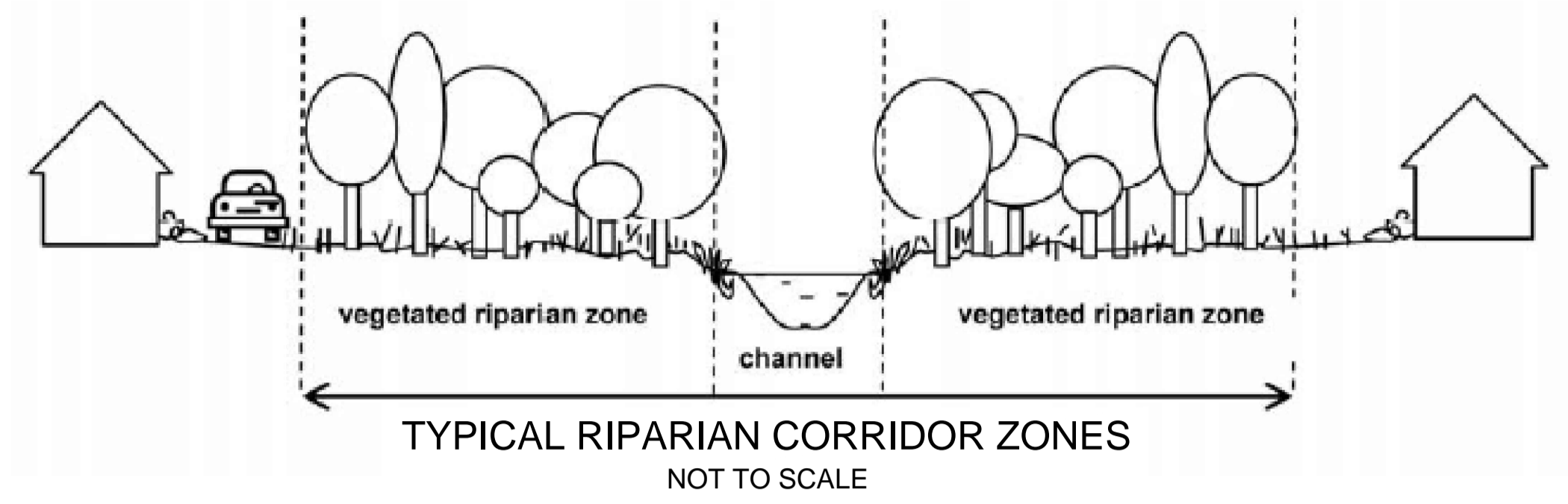
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STORMWATER DRAIN OUTLET PROTECTION SCHEDULE

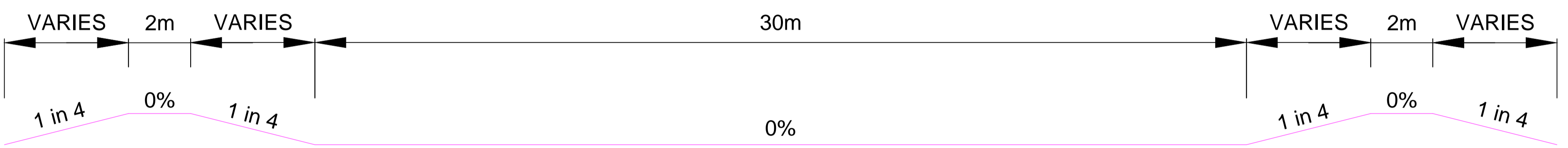
DRAINAGE LINE	WIDTH(m)	LENGTH(m)
SW1	As Required	
SW2	As Required	
SW3	8	6
SW4	2	3
SW5	2	3
SW6	2	3



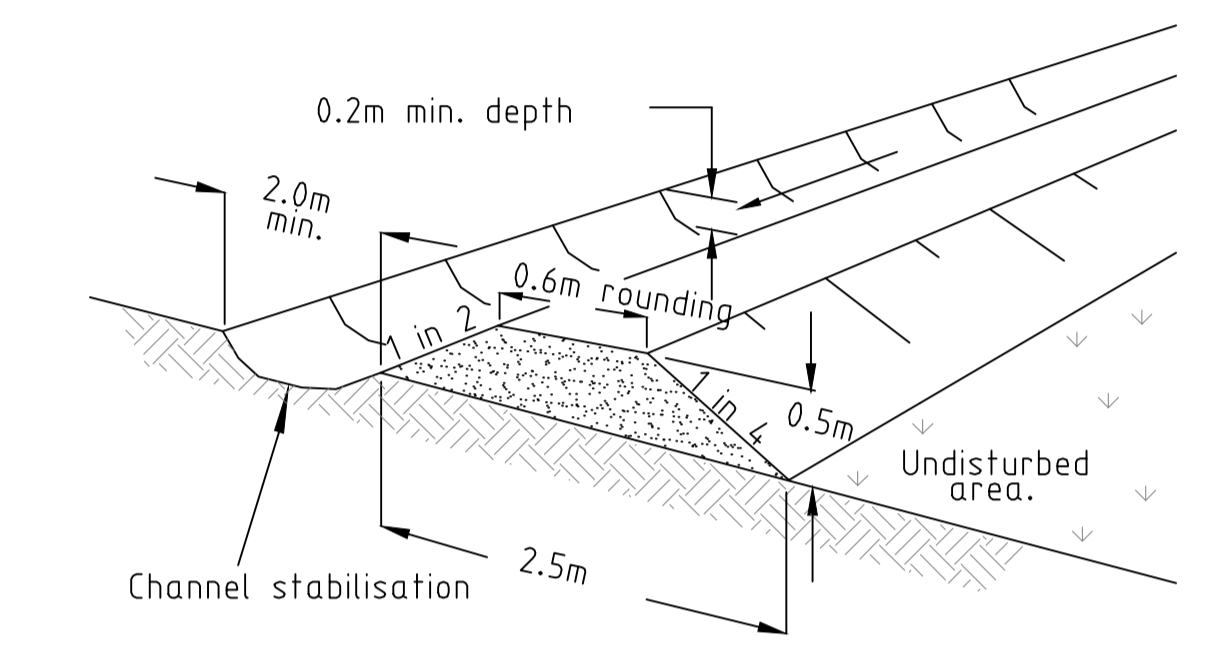
TYPICAL DRAIN TO CHANNEL OUTLET PROFILE & SECTIONS
NOT TO SCALE



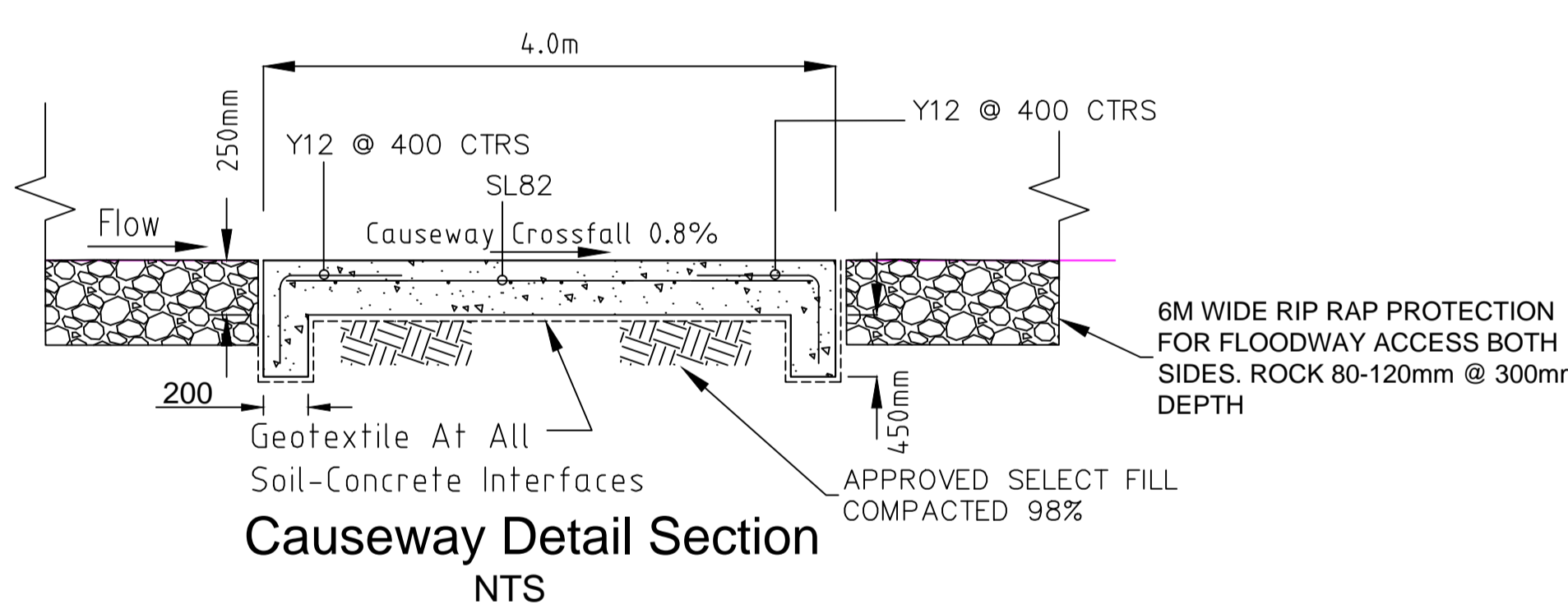
TYPICAL CHANNEL SECTION- UPPER REACH
CH 1327.063 - CH 1865.927
NTS



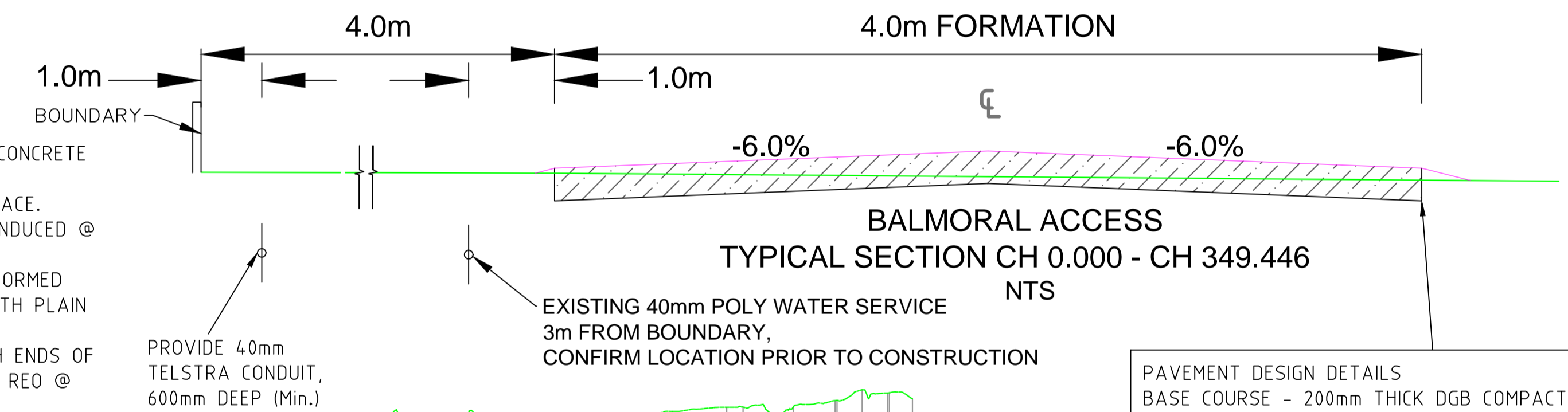
TYPICAL CHANNEL SECTION- LOWER REACH
CH 0.000 - CH 1327.063
NTS



TYPICAL MITRE DRAIN ARRANGEMENT
NOT TO SCALE

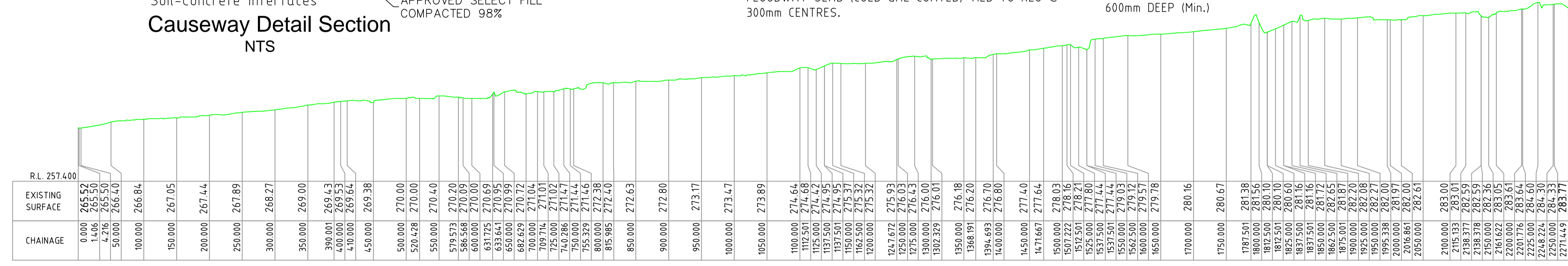


- CONCRETE NOTES**
- MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 32 MPa.
 - TRANSVERSE BROOM FINISH TO WEARING SURFACE.
 - TRANSVERSE CONTRACTION JOINTS UNTIED & INDUCED @ 5m CENTRES OR NEAREST GRADE BREAK.
 - TRANSVERSE CONSTRUCTION JOINT TIED AND FORMED @ 15m CENTRES OR NEAREST GRADE BREAK WITH PLAIN DOWELS @ 300mm CENTRES.
 - 75mmX75mmX10mm PROTECTION ANGLE @ BOTH ENDS OF FLOODWAY SLAB (COLD GAL COATED) TIED TO REO @ 300mm CENTRES.

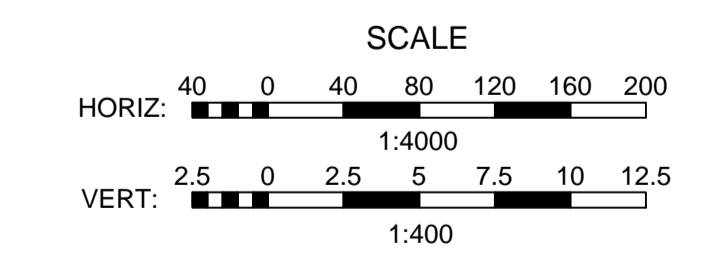


BALMORAL ACCESS
TYPICAL SECTION CH 0.000 - CH 349.446
NTS

PAVEMENT DESIGN DETAILS
BASE COURSE - 200mm THICK DGB COMPACTED TO 102%.
SUBGRADE - SUBGRADE CBR GREATER THAN 3.



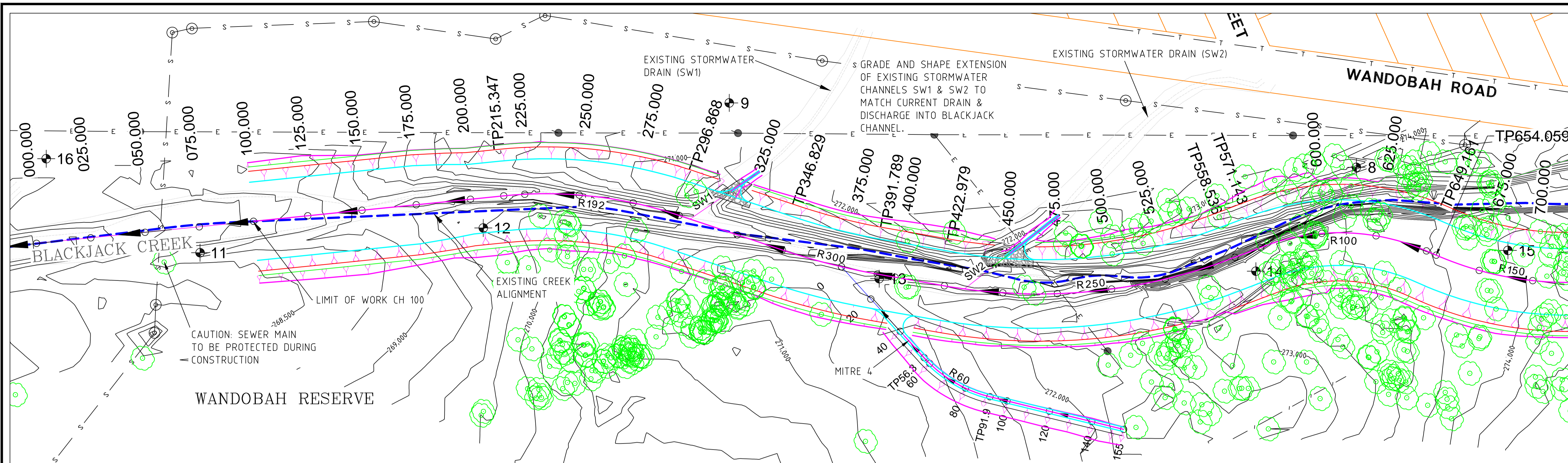
EXISTING CREEK LONGITUDINAL SECTION



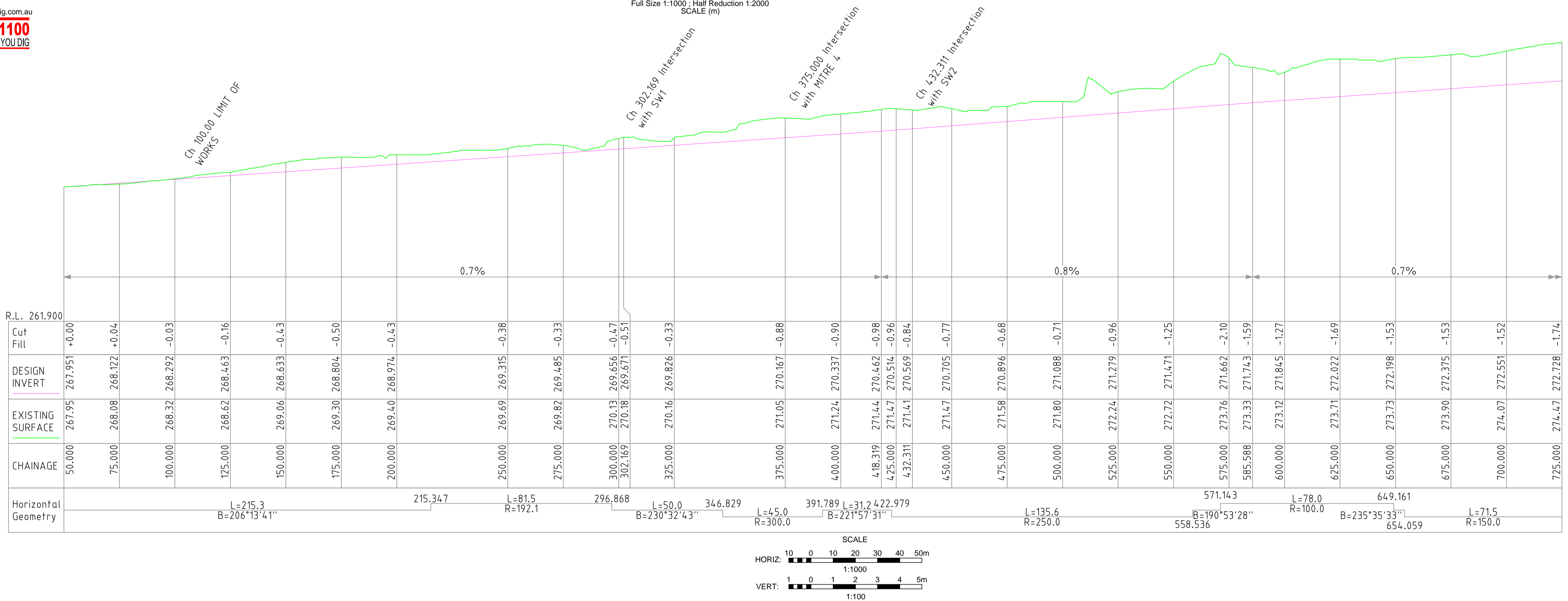
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EXISTING CHANNEL LONGITUDINAL SECTION & TYPICAL SECTIONS

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BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION			
Design Completed: 02.12.2016	Designed: DB	Status: TENDER	Plan Size: A1 Drawing No: 201201-007



CONTOUR INTERVAL 0.25m



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PLAN & LONGITUDINAL SECTION CH 50.000 - CH 725.000

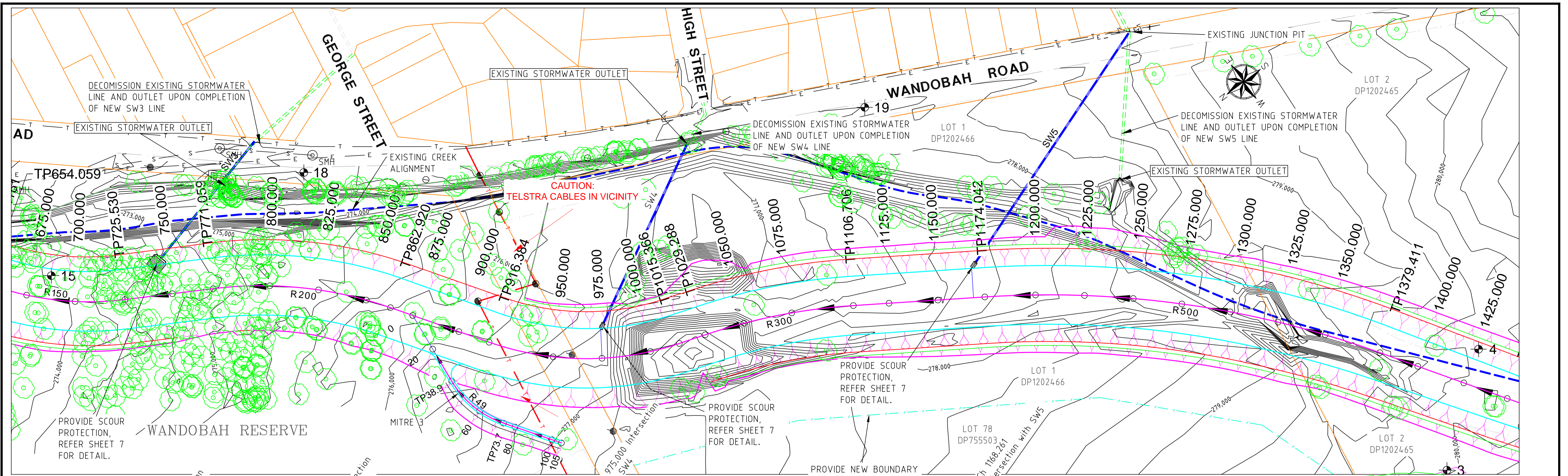
Client: **GUNNEDAH SHIRE COUNCIL**

BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION

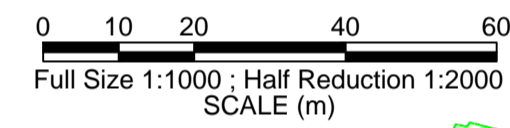
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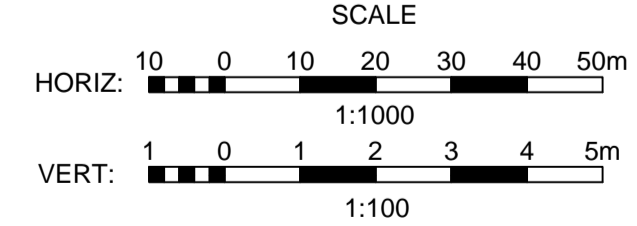
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CONTOUR INTERVAL 0.25m



CHAINAGE	EXISTING SURFACE	DESIGN INVERT	Cut/Fill	Horizontal Geometry
725.000	274.47	272.728	-1.74	L=45.5 B=208°17'34"
750.000	274.69	272.904	-1.79	
775.000	274.79	273.081	-1.71	
800.000	275.18	273.257	-1.92	
825.000	275.24	273.434	-1.81	
850.000	275.51	273.610	-1.90	
859.206	275.66	273.675	-1.98	I.P. 273.675
875.000	275.94	273.786	-2.15	
900.000	275.99	273.962	-2.03	
911.358	276.02	274.043	-1.98	
925.000	276.14	274.145	-2.00	
936.358	276.25	274.239	-2.01	
950.000	276.47	274.363	-2.11	
961.358	276.72	274.476	-2.24	
975.000	276.69	274.617	-2.07	
1000.000	275.84	274.874	-0.97	
1025.000	275.26	275.131	-0.13	
1050.000	276.73	275.389	-1.34	
1075.000	277.52	275.646	-1.87	
1125.000	277.68	276.161	-1.52	
1126.480	277.68	276.176	-1.50	
1150.000	277.76	276.407	-1.35	
1175.000	277.97	276.629	-1.34	
1176.480	277.98	276.644	-1.34	
1200.000	278.17	276.825	-1.34	
1225.000	278.36	276.997	-1.36	
1226.480	278.37	277.006	-1.36	
1250.000	278.51	277.154	-1.36	
1275.000	278.60	277.312	-1.29	
1277.063	278.60	277.325	-1.28	
1300.000	278.40	277.482	-0.92	
1325.000	277.47	277.681	+0.21	
1327.063	277.39	277.698	+0.31	
1350.000	279.08	277.909	-1.17	
1375.000	279.39	278.167	-1.22	
1377.063	279.40	278.190	-1.21	
1400.000	279.41	278.442	-0.97	

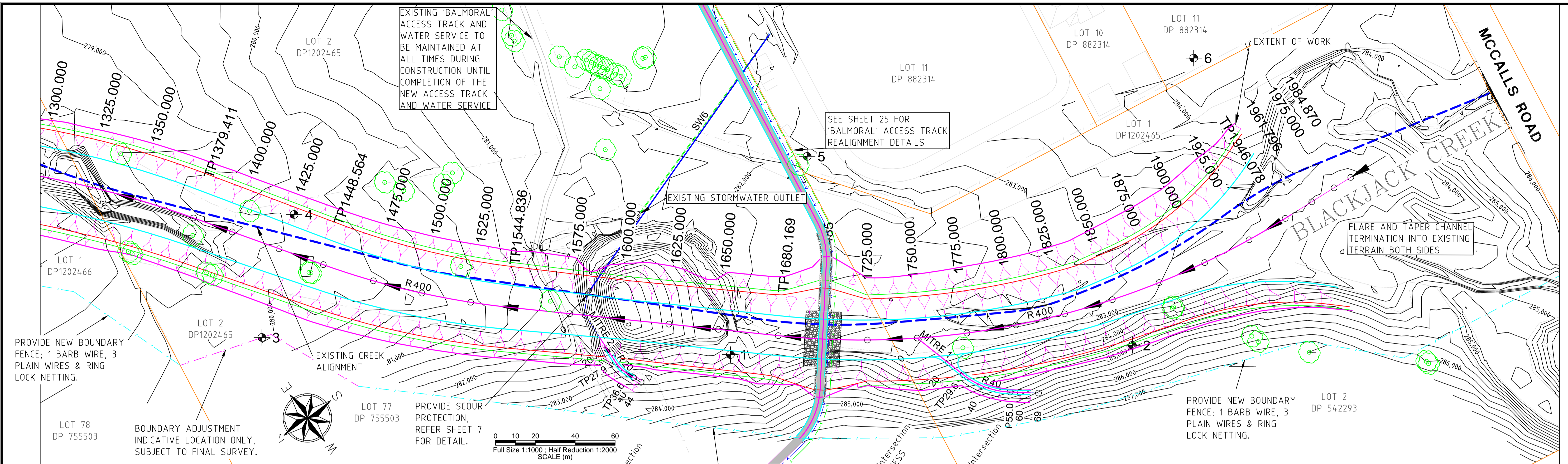


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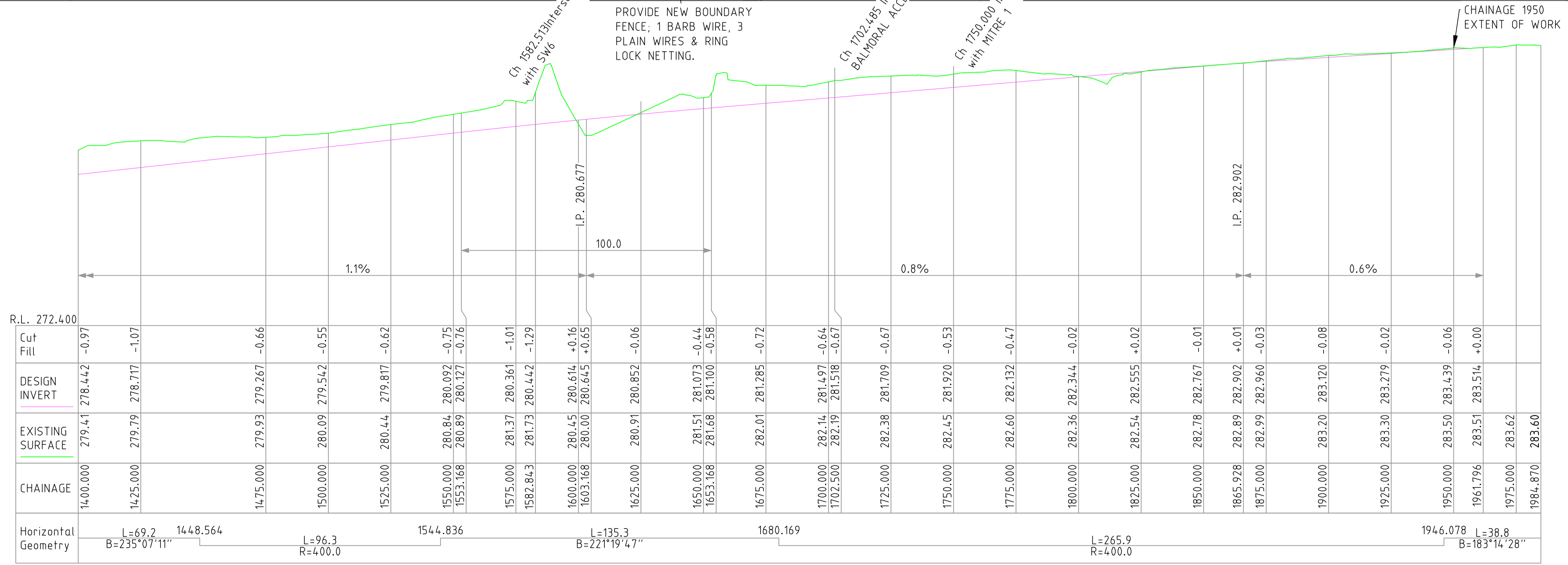
**PLAN & LONGITUDINAL SECTION
CH 725.000 - CH 1400.000**

Client:		GUNNEDAH SHIRE COUNCIL	
Design Completed:		Designed:	Status:
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Plan Size:	Drawing No:		
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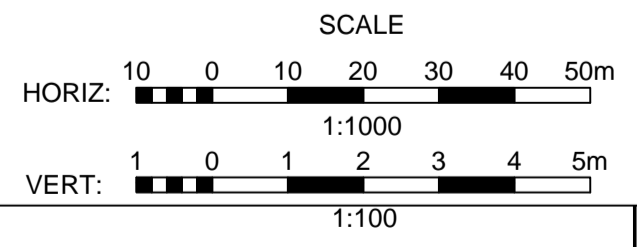
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CONTOUR INTERVAL 0.25m



LONGITUDINAL SECTION



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A	19.11.2016	DB	ISSUED FOR REVIEW	MB

**PLAN & LONGITUDINAL SECTION
CH 1350.000 - CH 1984.870**

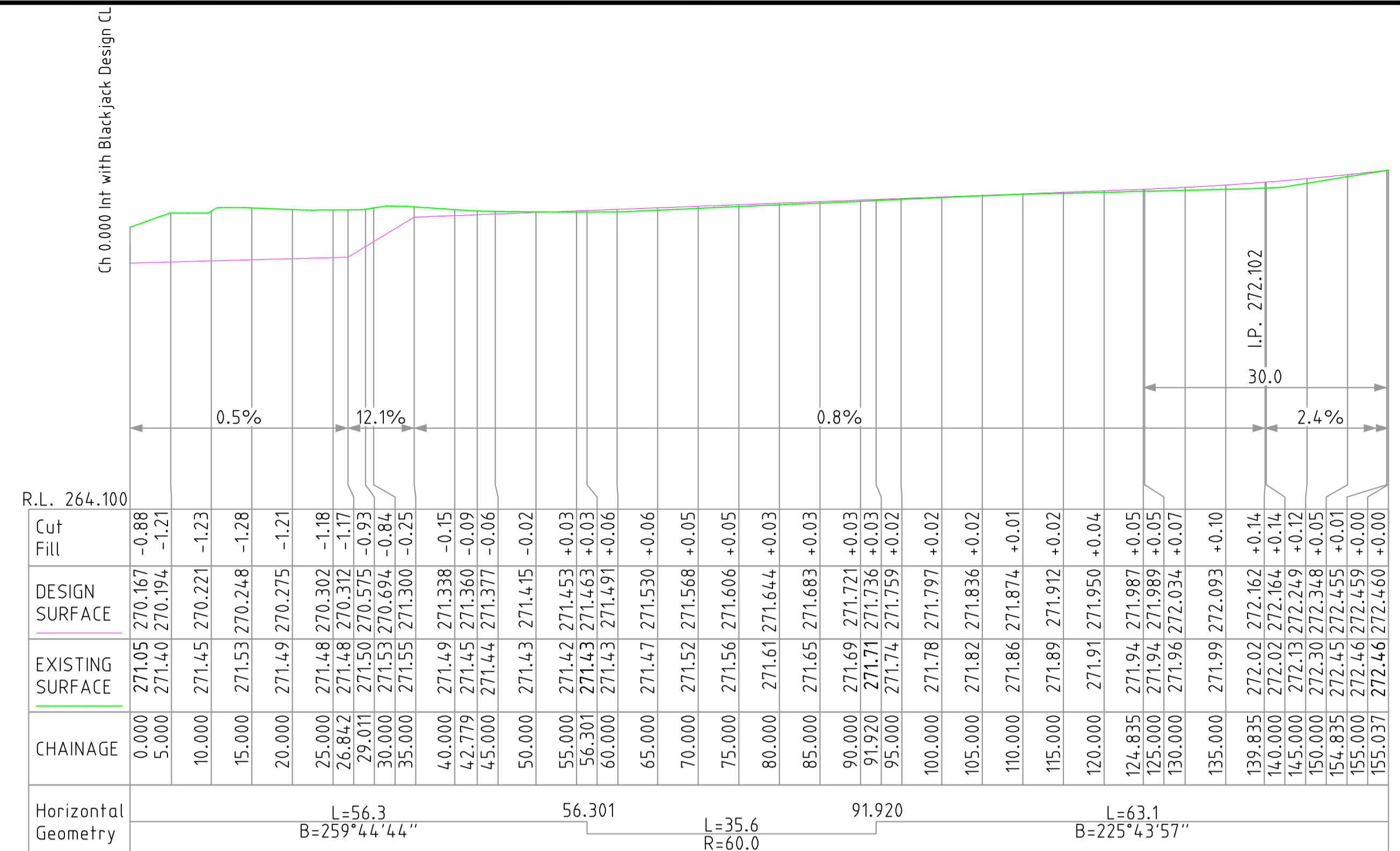
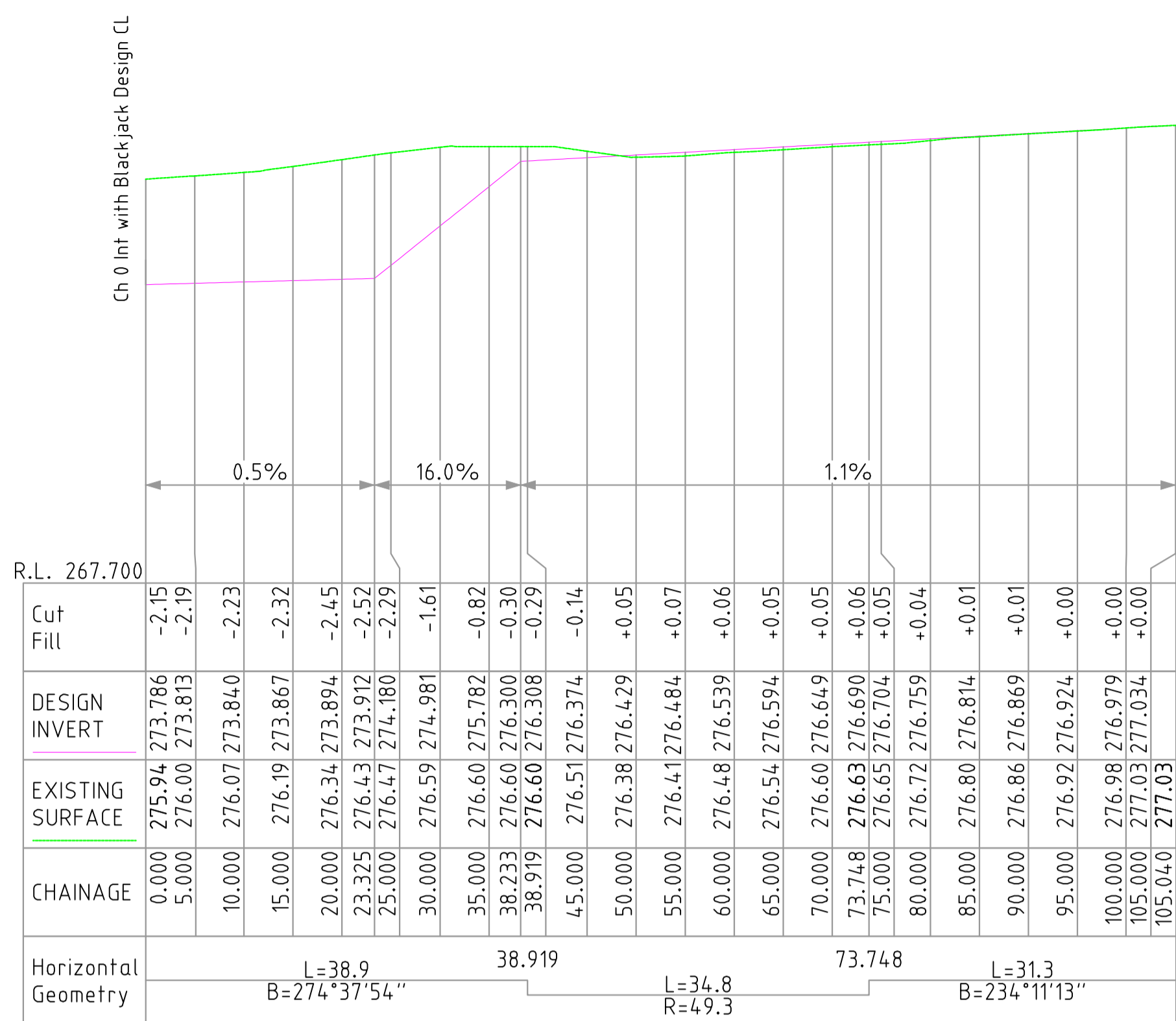
Client: **GUNNEDAH SHIRE COUNCIL**

BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION

Design Completed: 02.12.2016 Designed: DB Status: **TENDER**

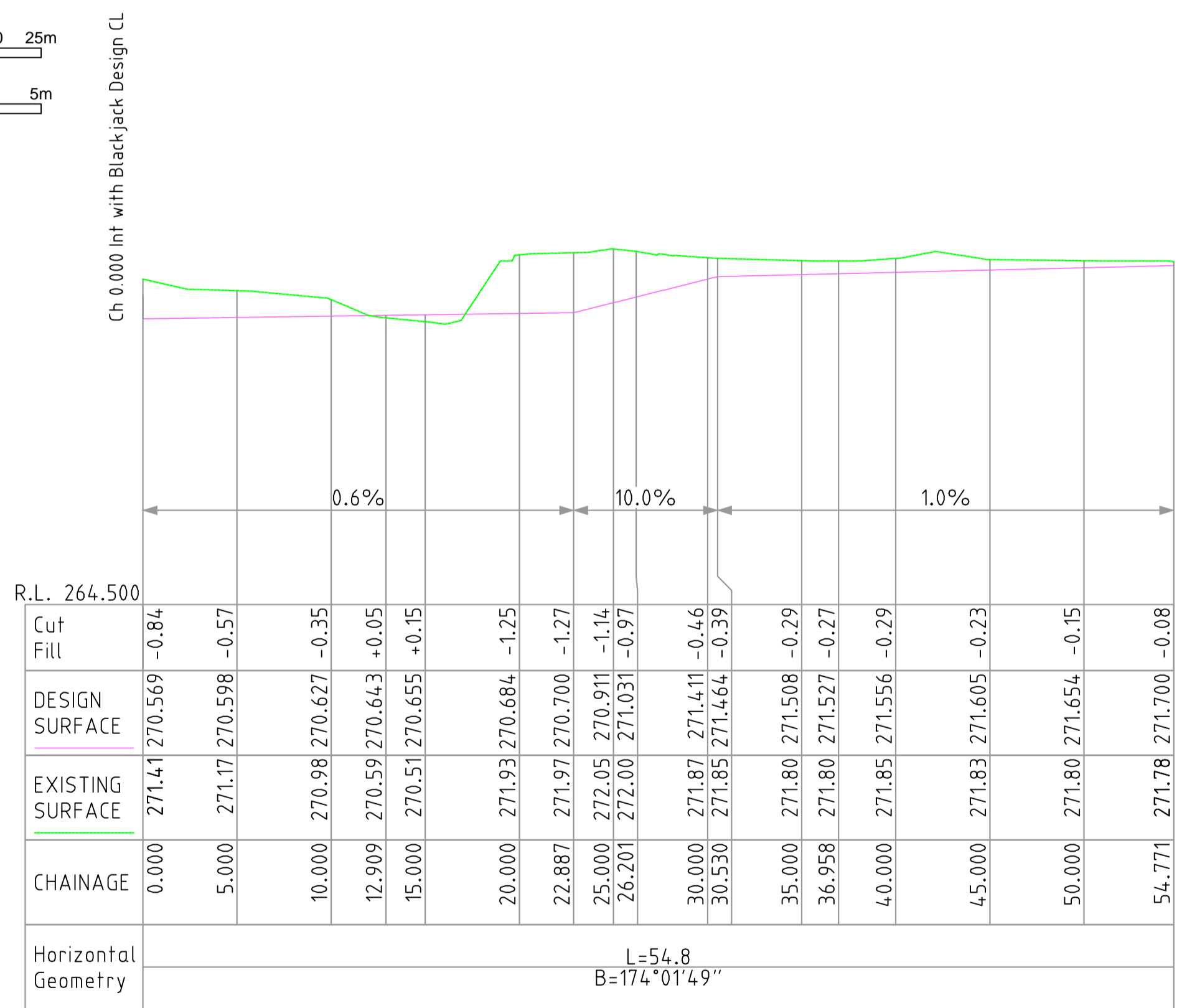
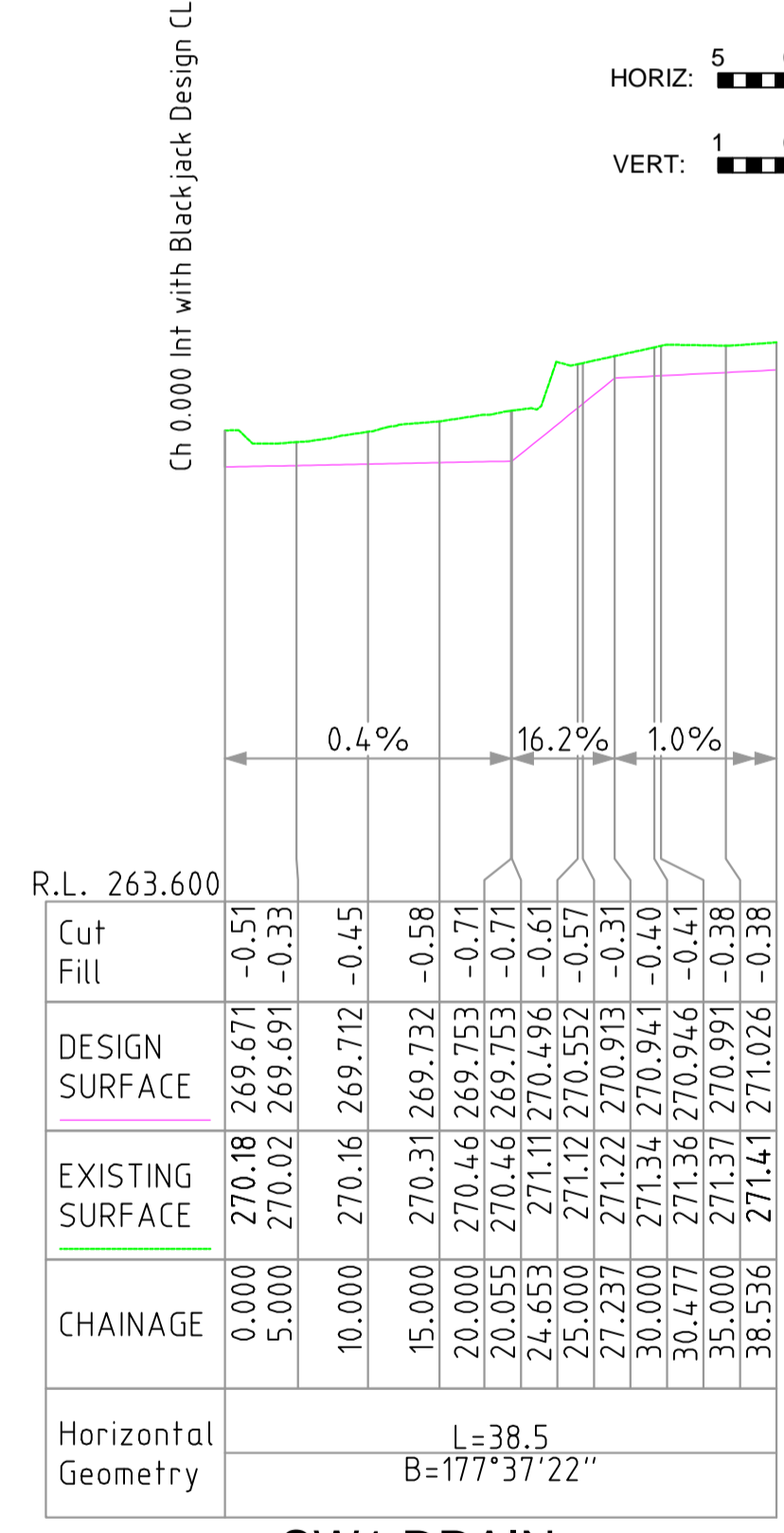
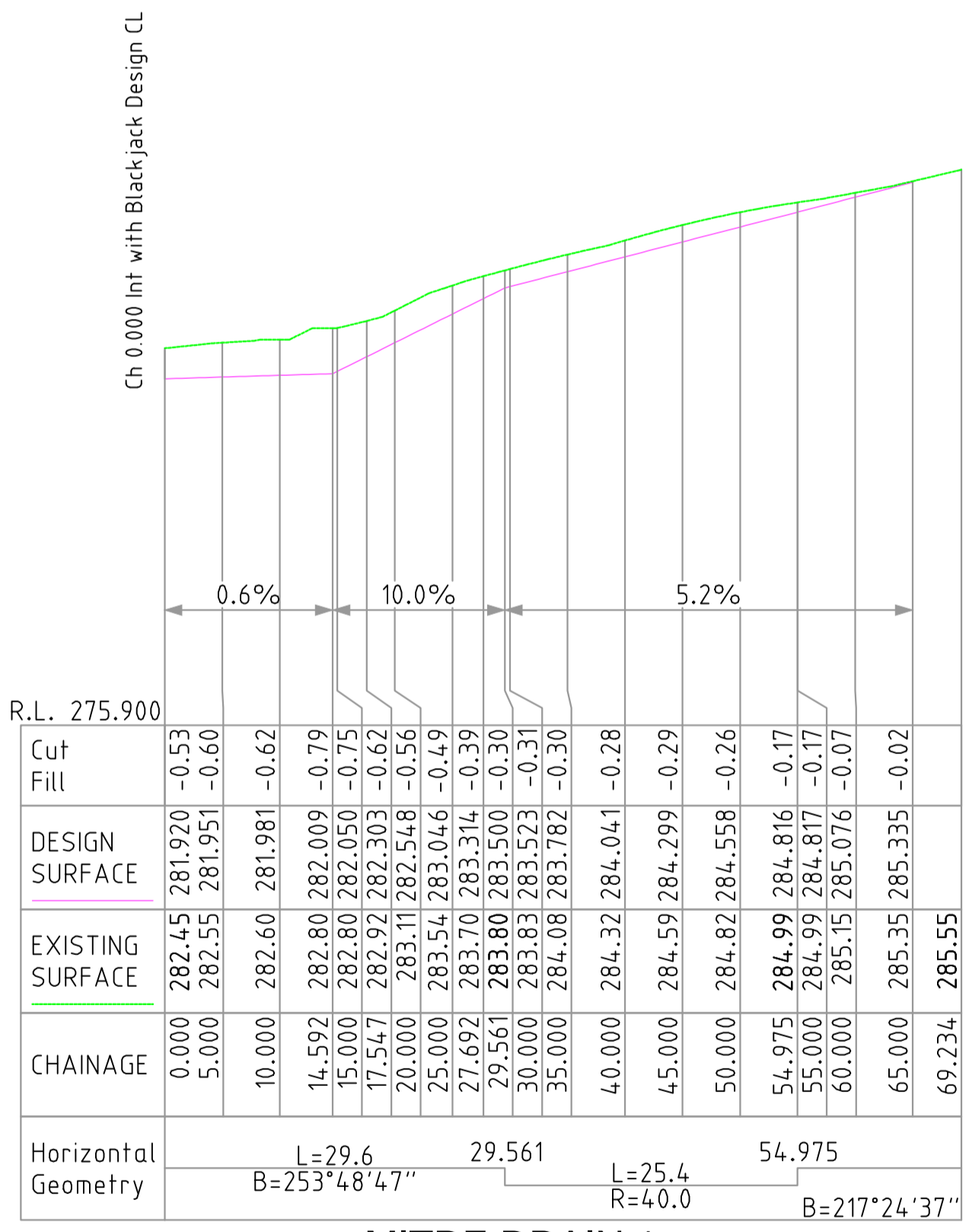
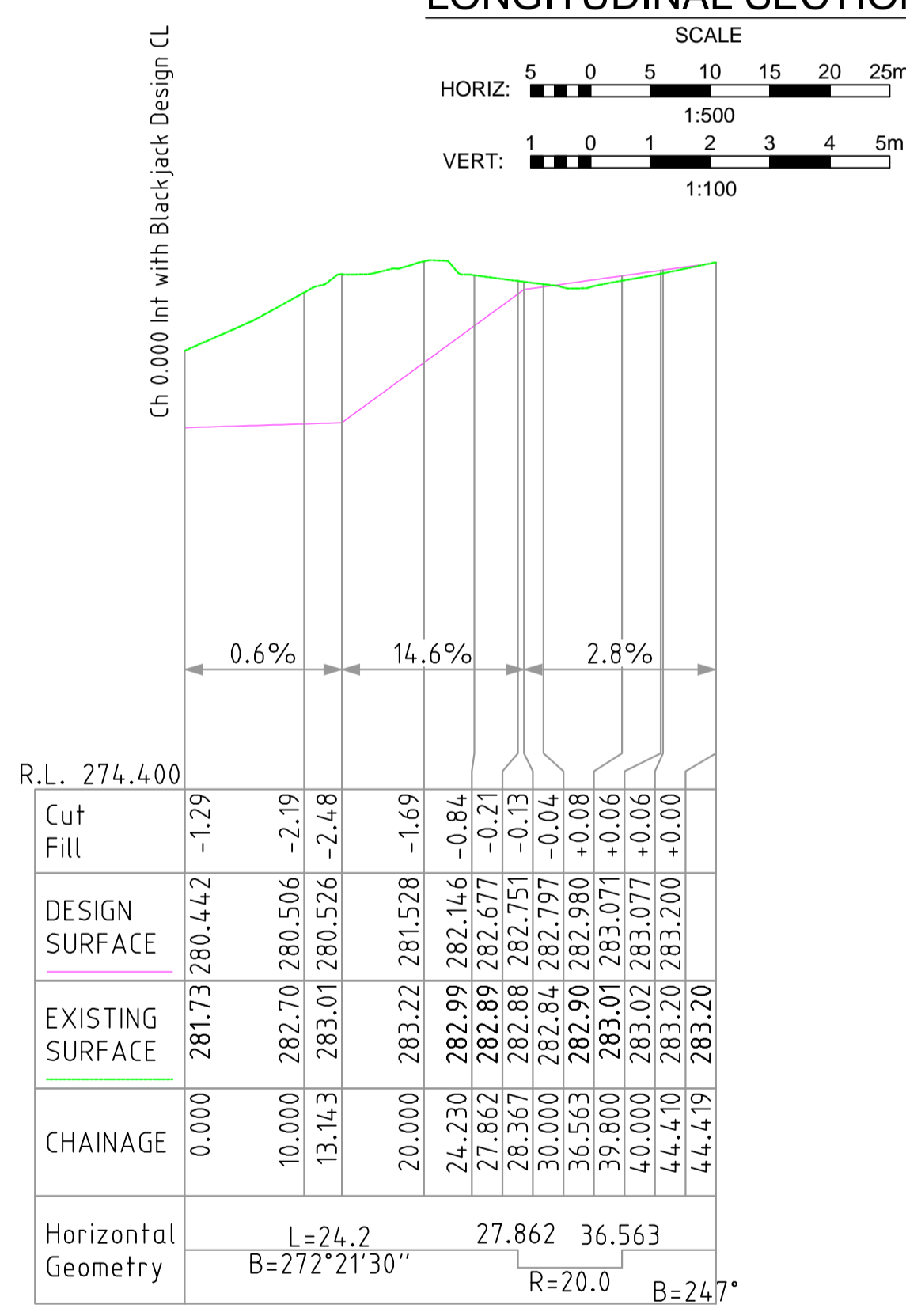
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Plan Size: **A1** Drawing No: **201201-010**



MITRE DRAIN 3
LONGITUDINAL SECTION

MITRE DRAIN 4
LONGITUDINAL SECTION



MITRE DRAIN 2
LONGITUDINAL SECTION

MITRE DRAIN 1
LONGITUDINAL SECTION

SW1 DRAIN
LONGITUDINAL SECTION

SW2 DRAIN
LONGITUDINAL SECTION

REV.	DATE	BY	DESCRIPTION	CHK.
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DRAINAGE LONGITUDINAL SECTIONS 1

Client: GUNNEDAH SHIRE COUNCIL			<p>CONSTRUCTIVE SOLUTIONS PTY. LTD. PO Box 1498 Tamworth NSW 2340 Australia Tel: (02) 6762 1969 Fax: (02) 6762 1969 Email: admin@constructivesolutions.com.au www.constructivesolutions.com.au</p>
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION			
Design Completed: 02.12.2016	Designed: DB	Status: TENDER	Plan Size: A1 Drawing No: 201201-011

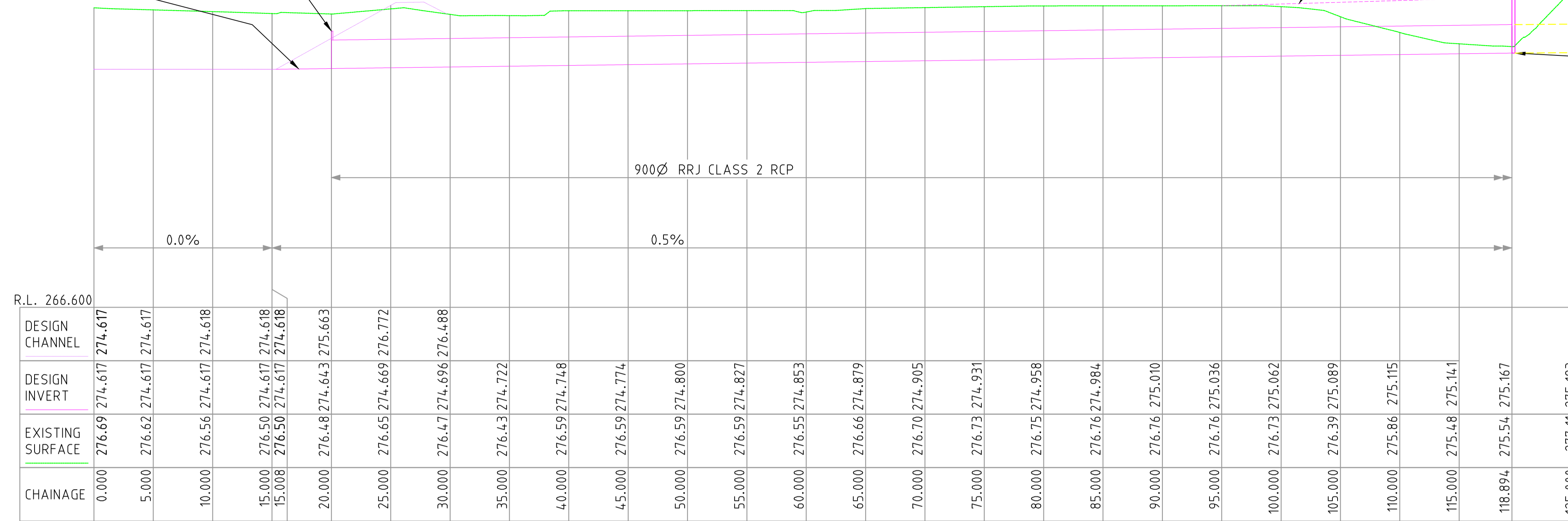
PROVIDE ROCK MATRESS PROTECTION, TAILOUT TO CHANNEL INVERT.

PROVIDE PRECAST CONCRETE HEADWALL

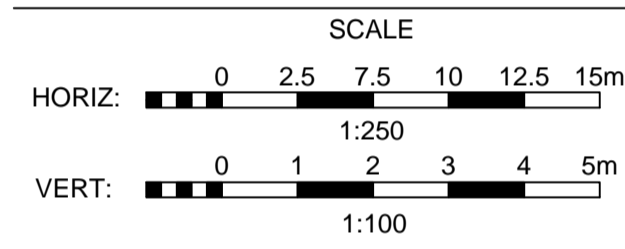
FILL AREA, PROVIDE 400mm (Min) RCP COVER

PROVIDE JUNCTION PIT, REFER TO PLAN 6486 (GSC GUIDELINES)

CONFIRM EXISTING 900 RCP INVERT LEVEL PRIOR TO CONSTRUCTION



SW4
LONGITUDINAL SECTION



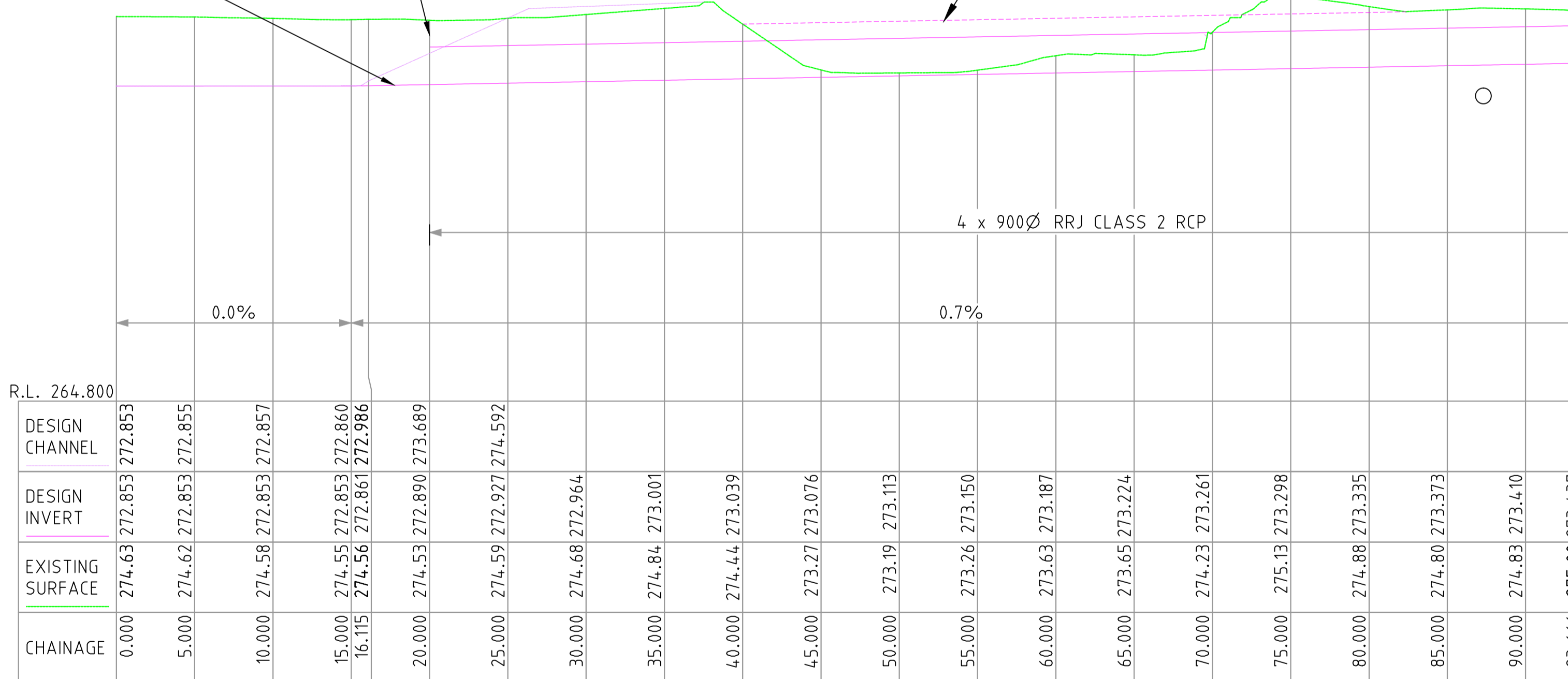
PROVIDE ROCK MATRESS PROTECTION, TAILOUT TO CHANNEL INVERT.

PROVIDE CAST-IN-SITU CONCRETE HEADWALL, REFER TO DMR S.D. 216

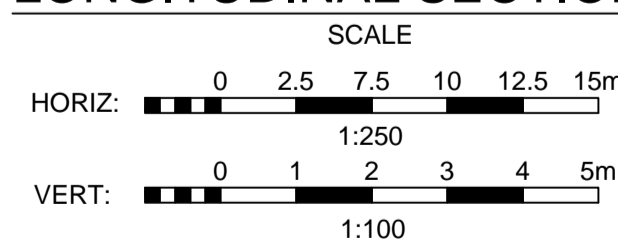
FILL AREA, PROVIDE 400mm (Min) RCP COVER

CHAINAGE 87.3 SEWER MAIN IL 272.40

PROVIDE KERB INLET PIT WITH 3.6m LINTEL & GRATE, REFER TO PLAN 6484 (GSC GUIDELINES)



SW3
LONGITUDINAL SECTION



REFER TO RMS DRAWING No. MD.R11.A01.B FOR BACKFILL REQUIREMENTS, AND MD.R11.A17.A.2 FOR HEADWALL DETAILS

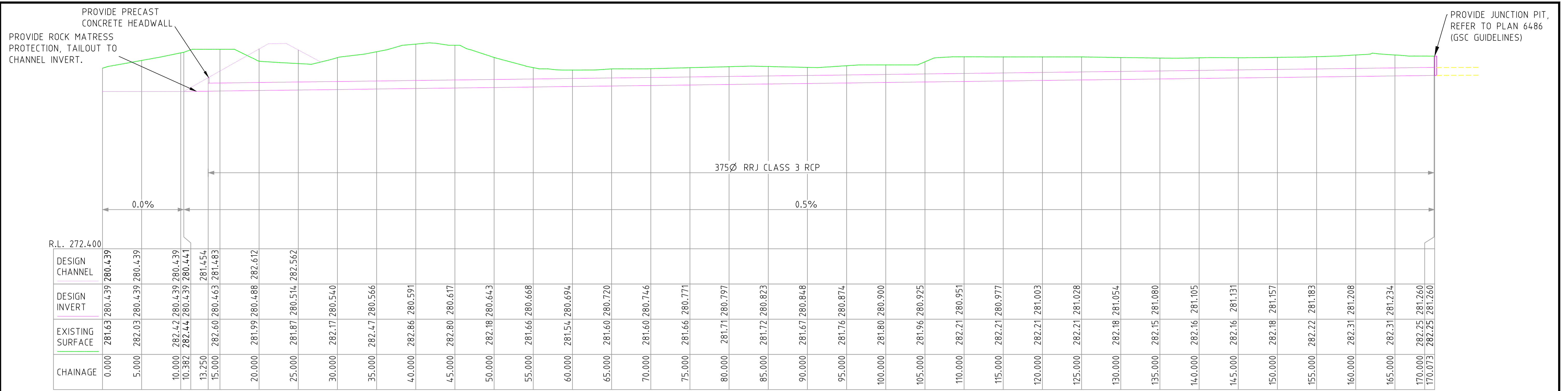
REV.	DATE	BY	DESCRIPTION	CHK.
3	02.12.2016	DB	ISSUED FOR TENDER	MB
2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

DRAINAGE LONGITUDINAL SECTIONS 2

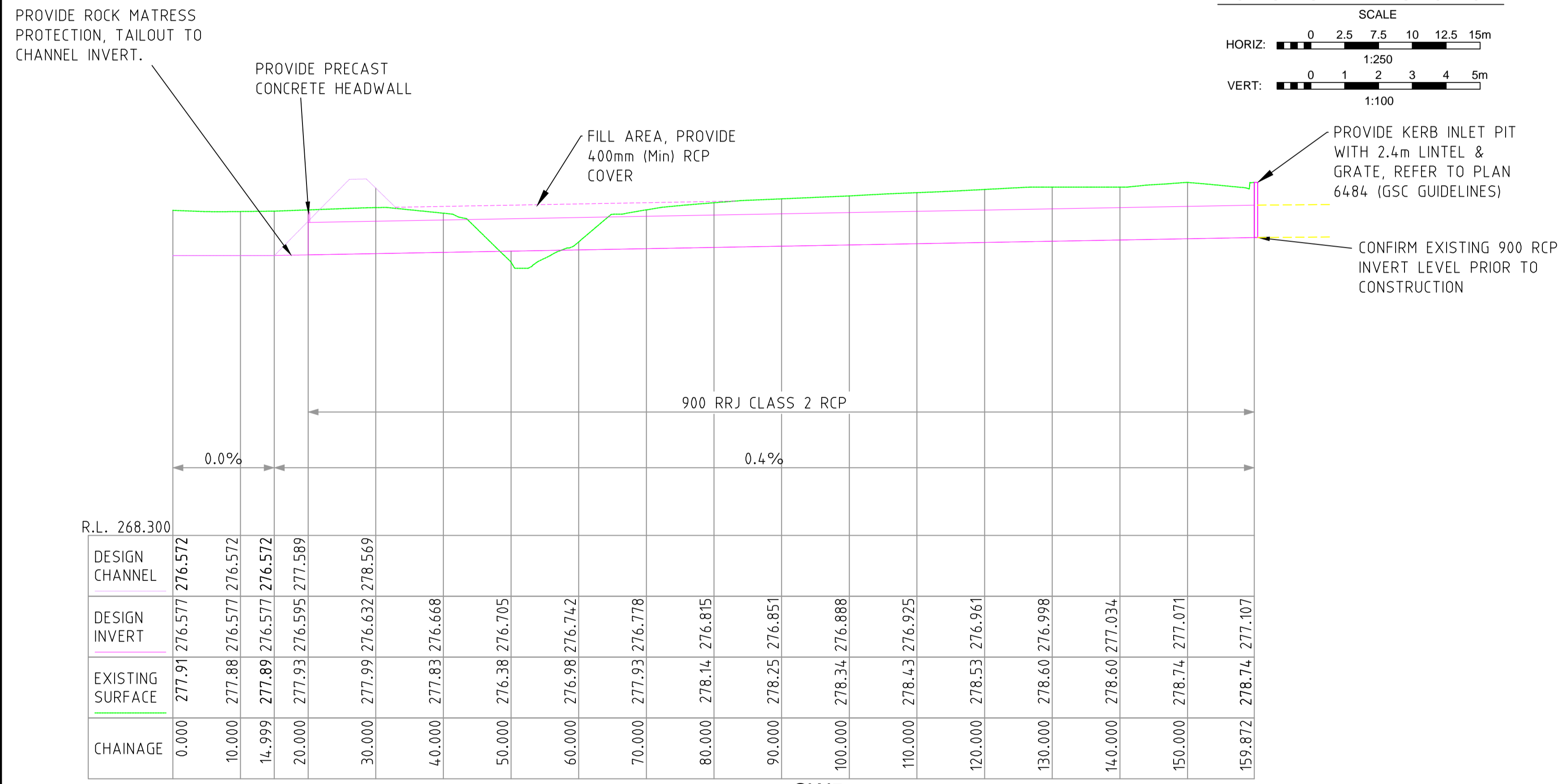
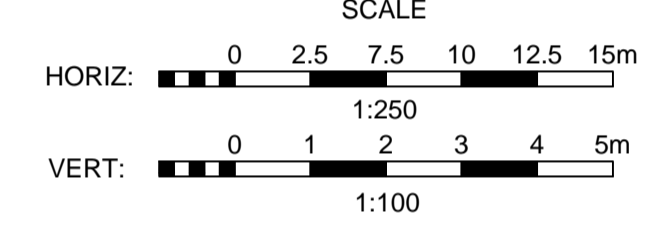
Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER


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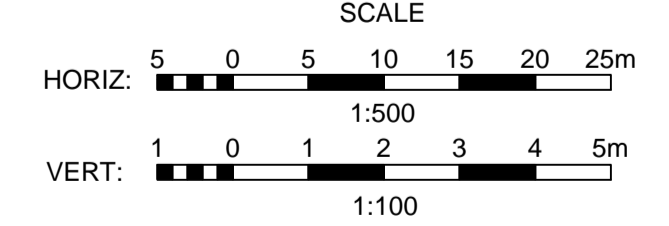
Plan Size: **A1** Drawing No: **201201-012**



SW6
LONGITUDINAL SECTION



SW5
LONGITUDINAL SECTION

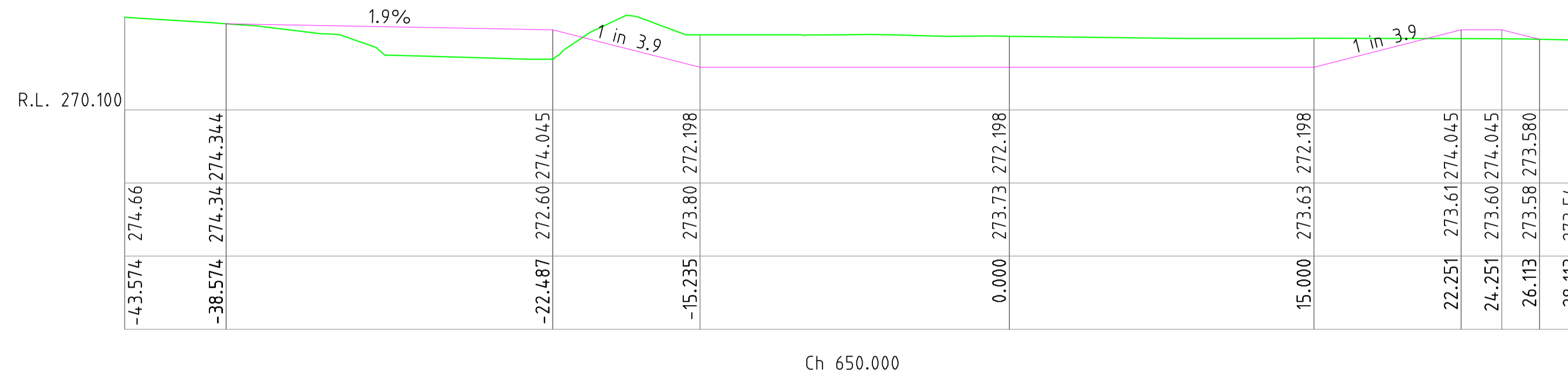


REFER TO RMS DRAWING No. MD.R11.A01.B FOR BACKFILL REQUIREMENTS, AND MD.R11.A17.A.2 FOR HEADWALL DETAILS

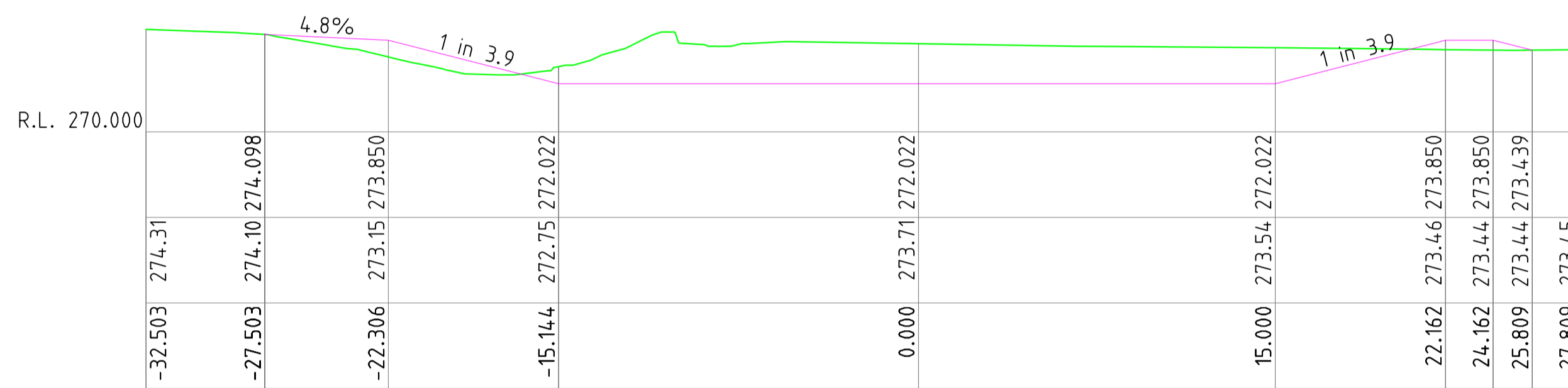
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2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

DRAINAGE LONGITUDINAL SECTIONS 3

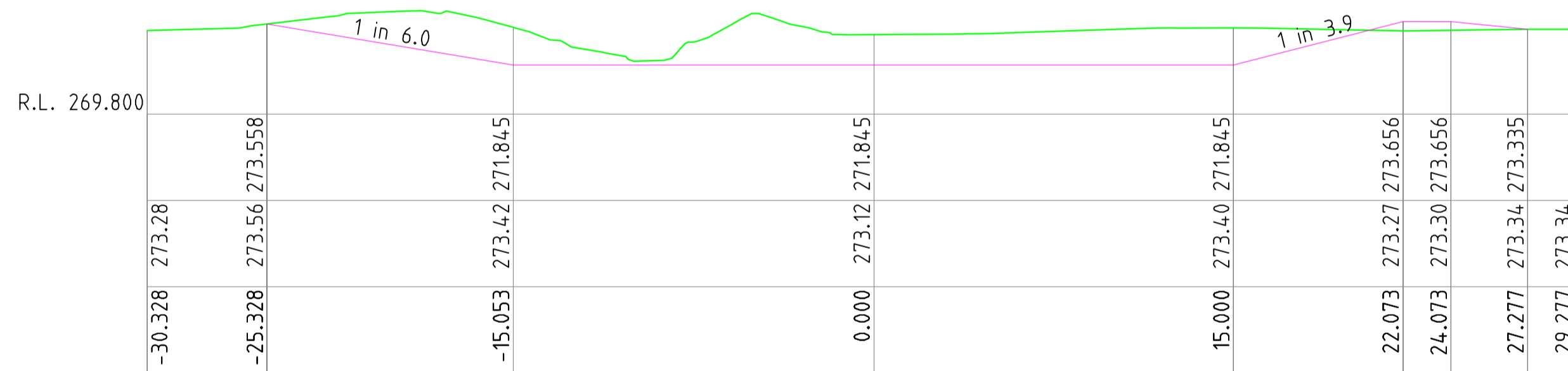
Client: GUNNEDAH SHIRE COUNCIL			<p>CONSTRUCTIVE SOLUTIONS PTY. LTD. PO Box 1498 Tamworth NSW 2340 Australia Tel: (02) 6762 1969 Fax: (02) 6762 1969 Email: admin@constructivesolutions.com.au www.constructivesolutions.com.au</p>
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION			
Design Completed: 02.12.2016	Designed: DB	Status: TENDER	Plan Size: A1 Drawing No: 201201-013



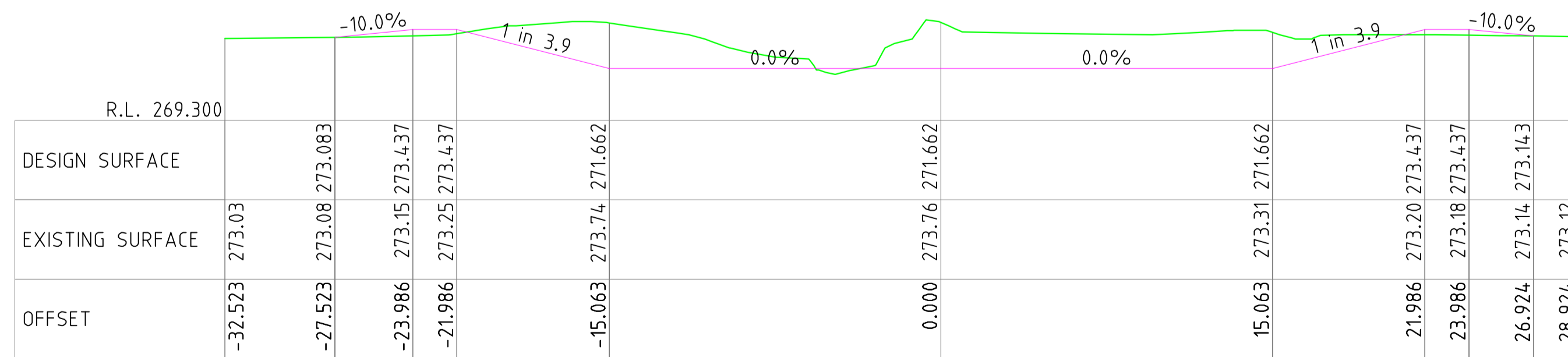
Ch 650.000



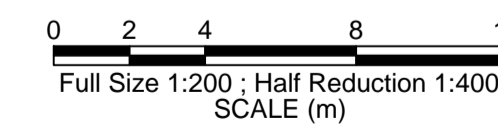
Ch 625.000



Ch 600.000



Ch 575.000



REV.	DATE	BY	DESCRIPTION	CHK.
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2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

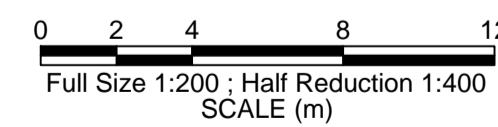
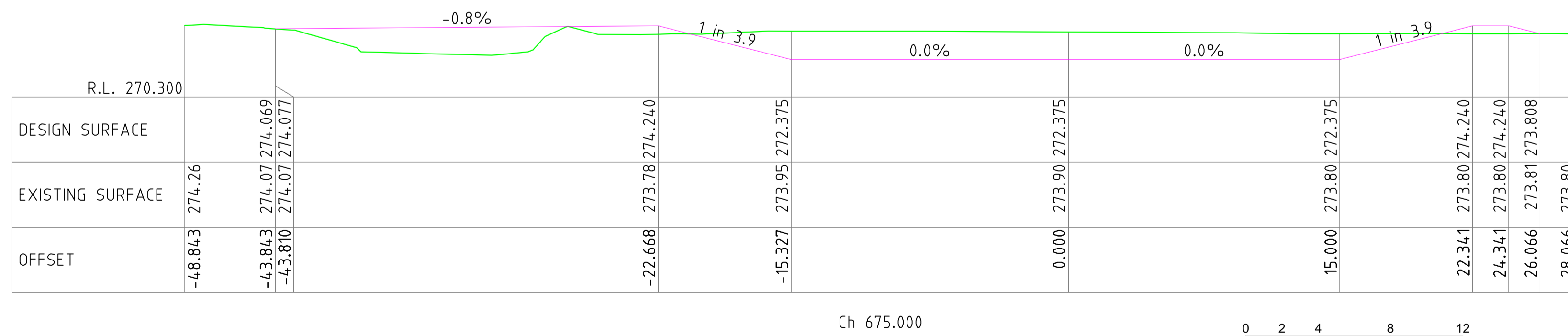
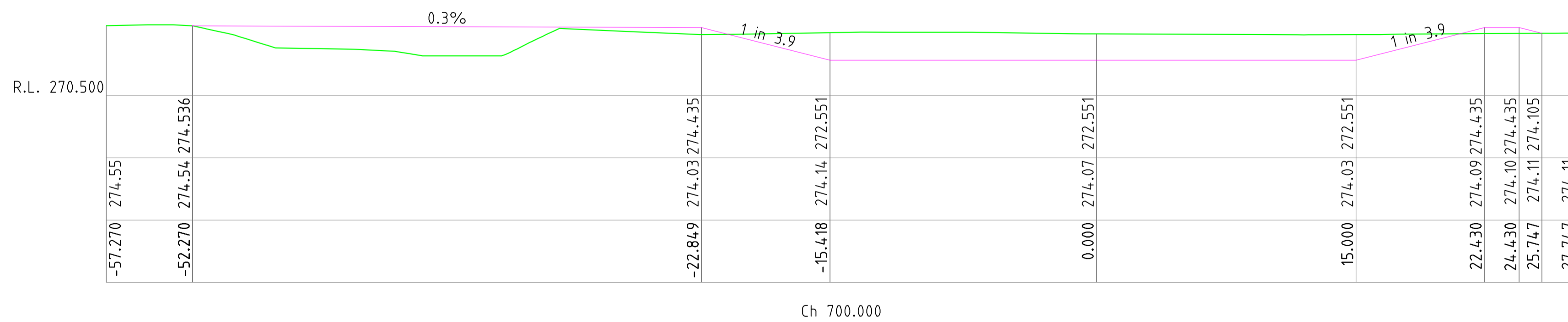
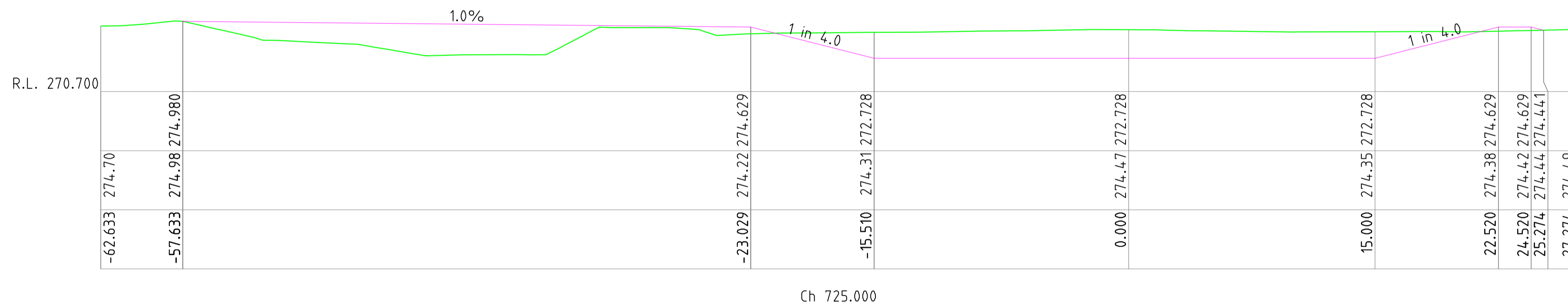
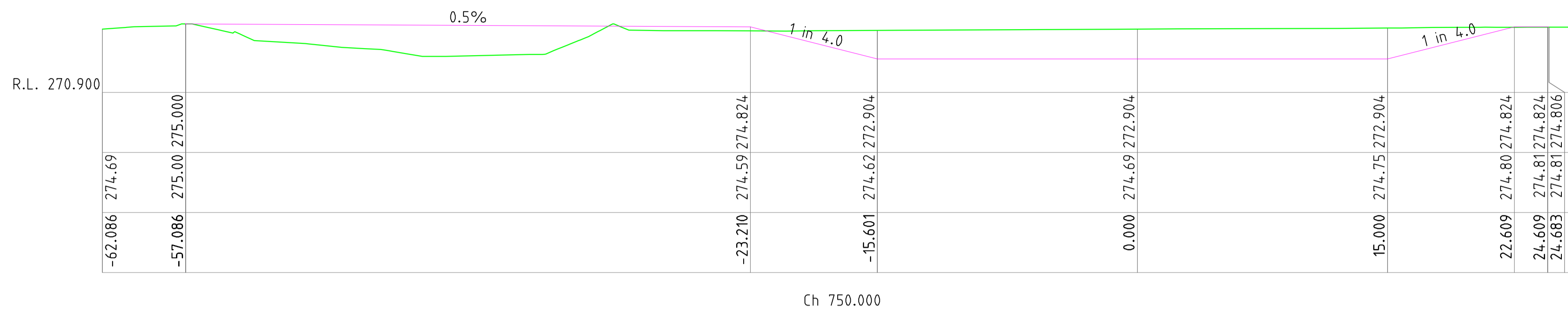
CROSS SECTIONS CH 575.000 - CH 650.000

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER

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Plan Size: **A1** Drawing No: **201201-016**



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1	19.11.2016	DB	ISSUED FOR REVIEW	MB

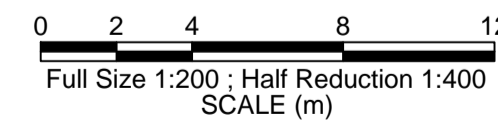
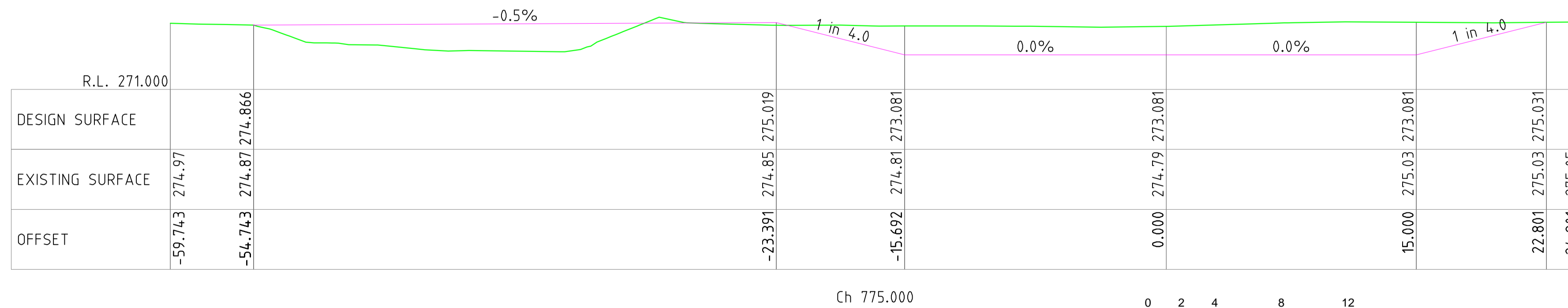
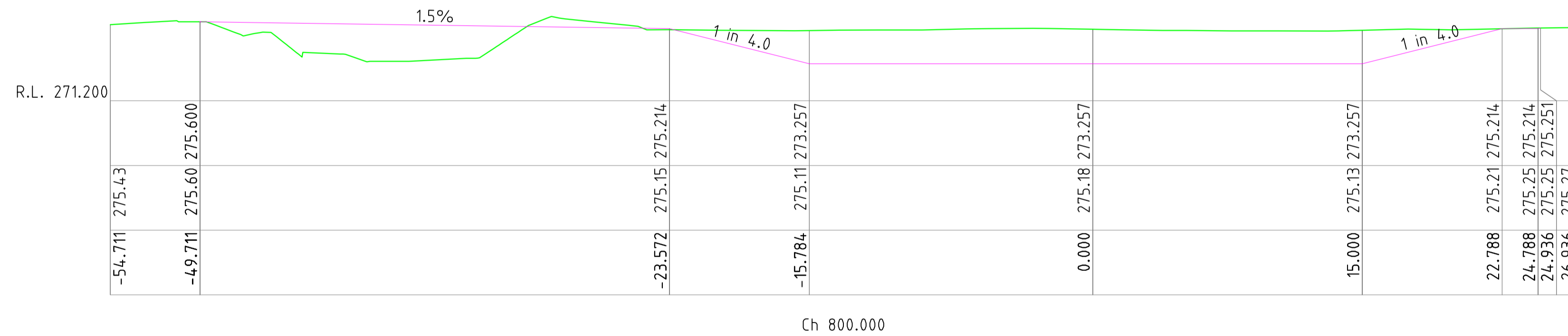
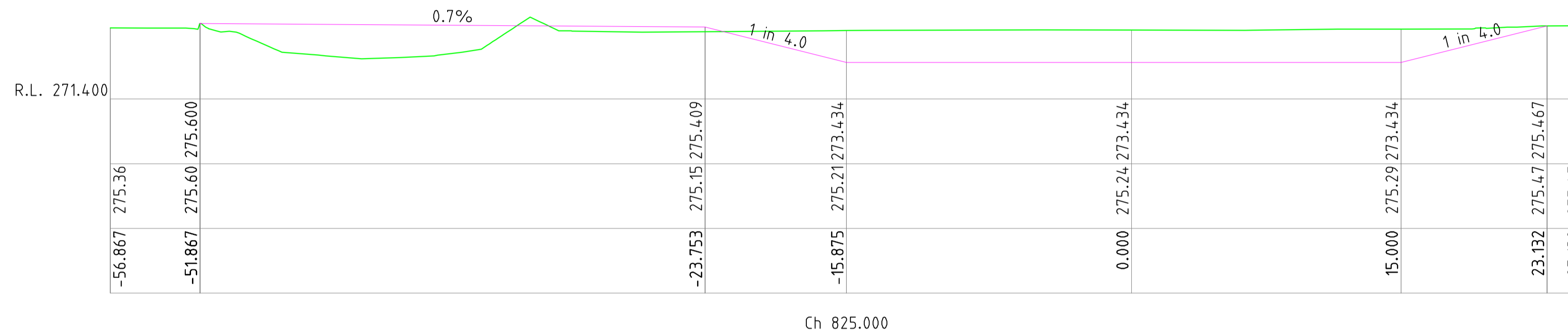
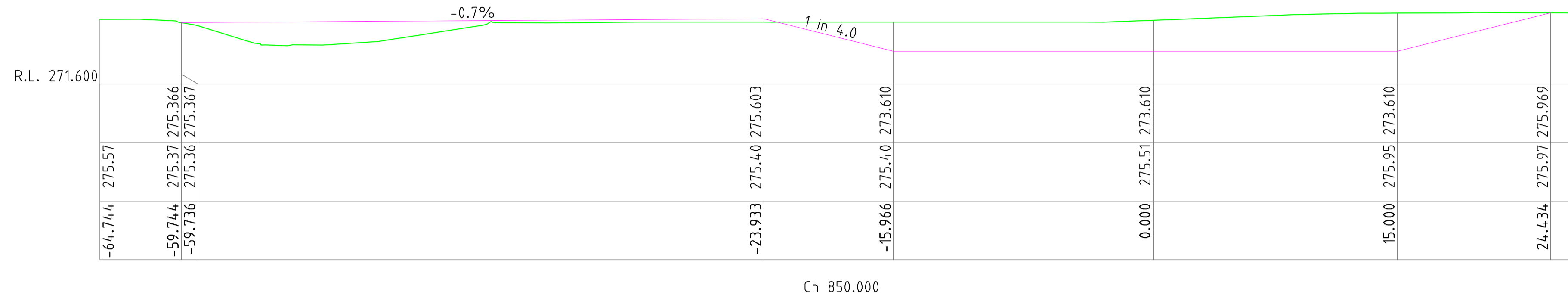
CROSS SECTIONS
CH 675.000 - CH 750.000

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER

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Plan Size: **A1** Drawing No: **201201-017**





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2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

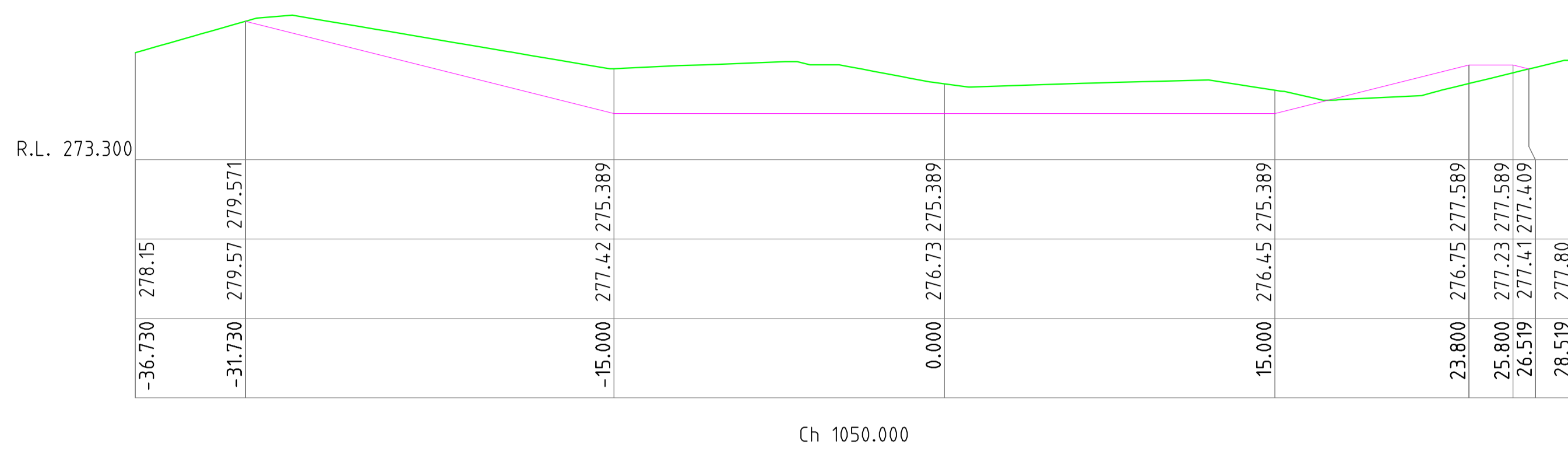
**CROSS SECTIONS
CH 775.000 - CH 850.000**

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER

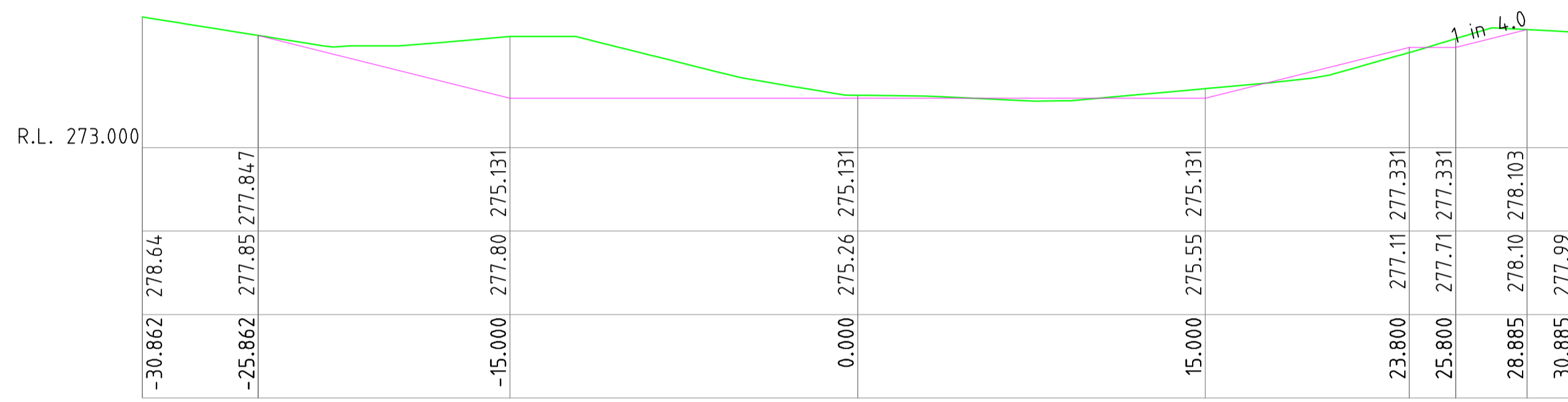
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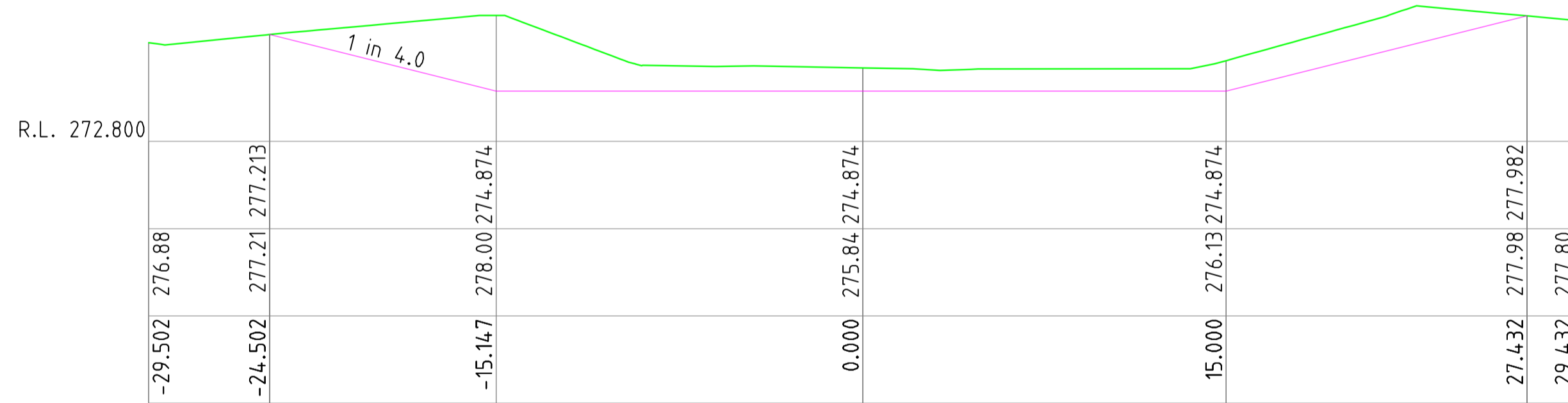
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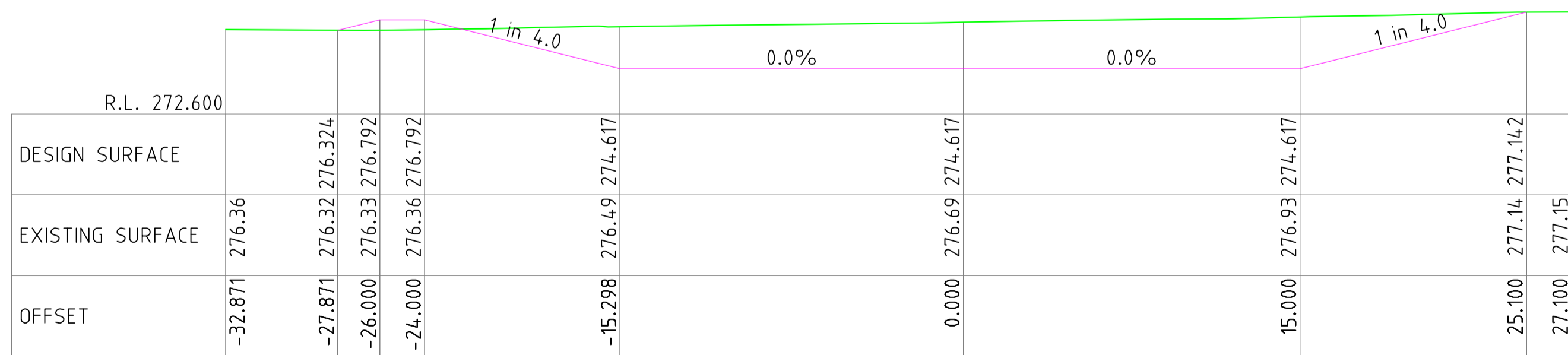
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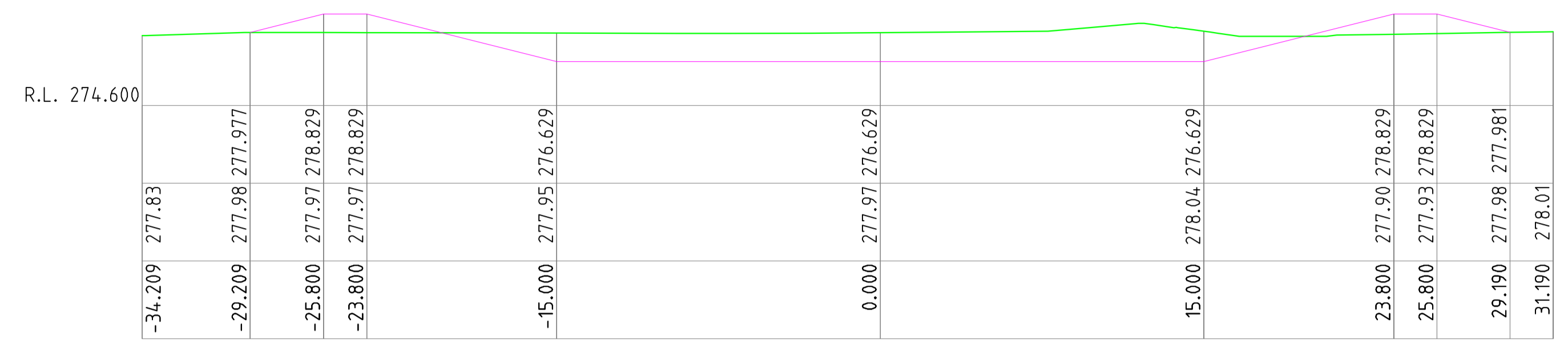
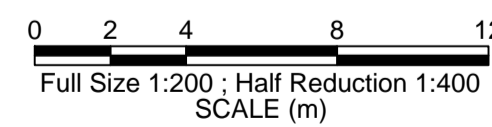
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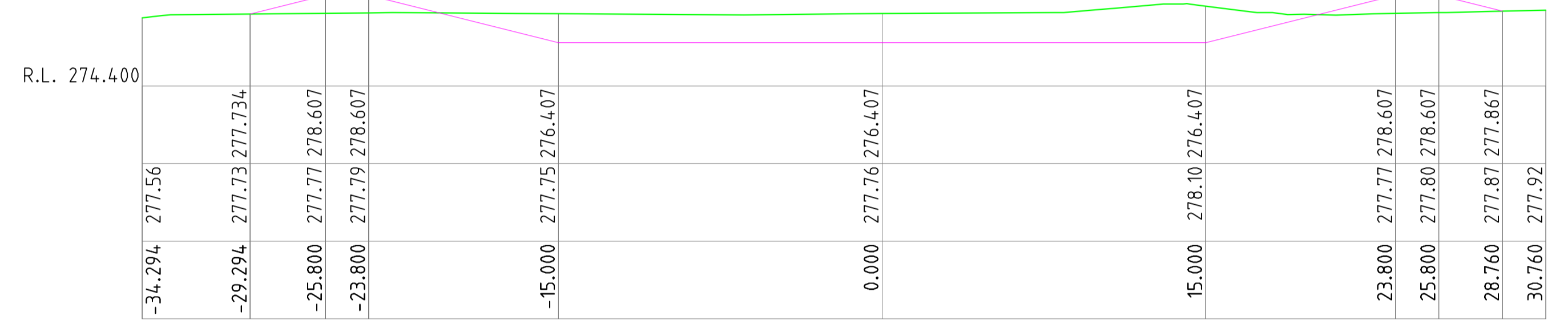
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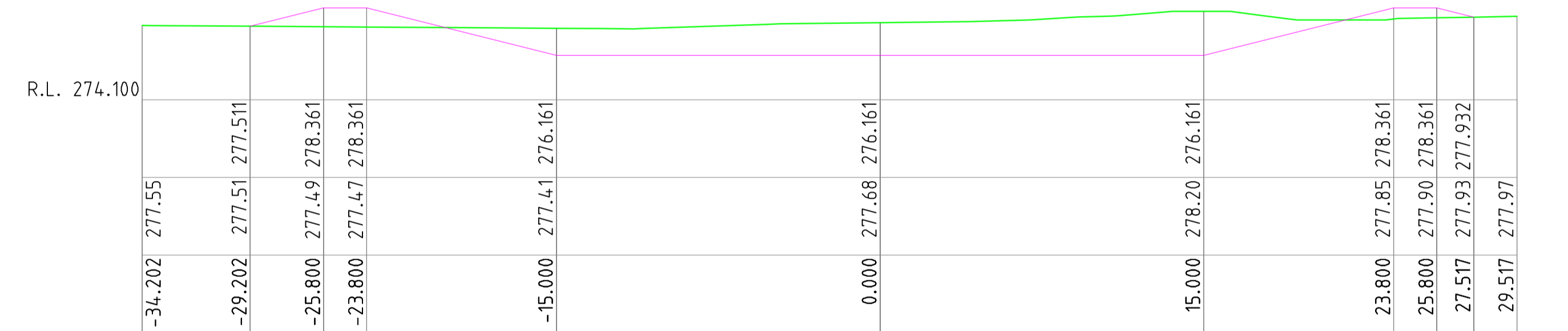
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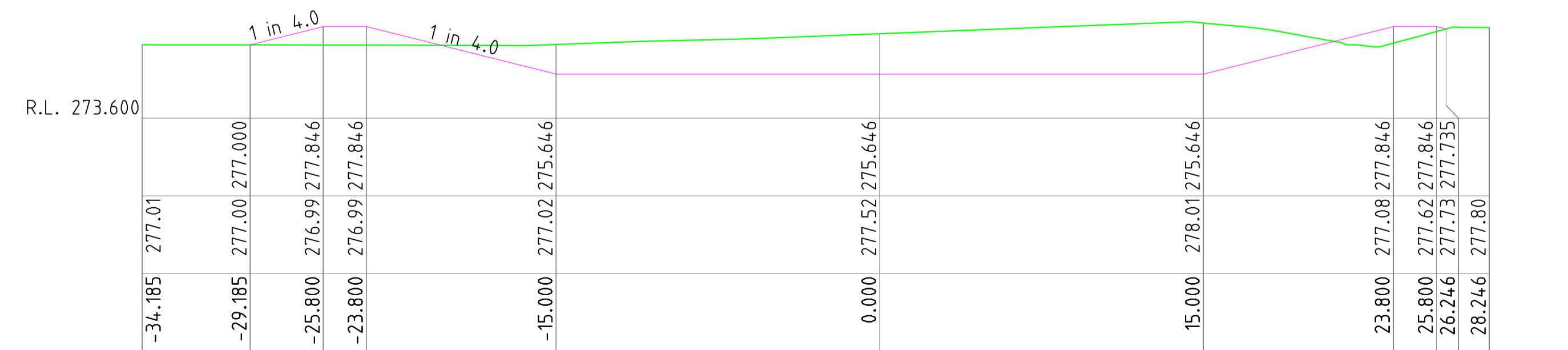
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Ch 1150.000



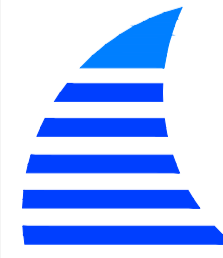
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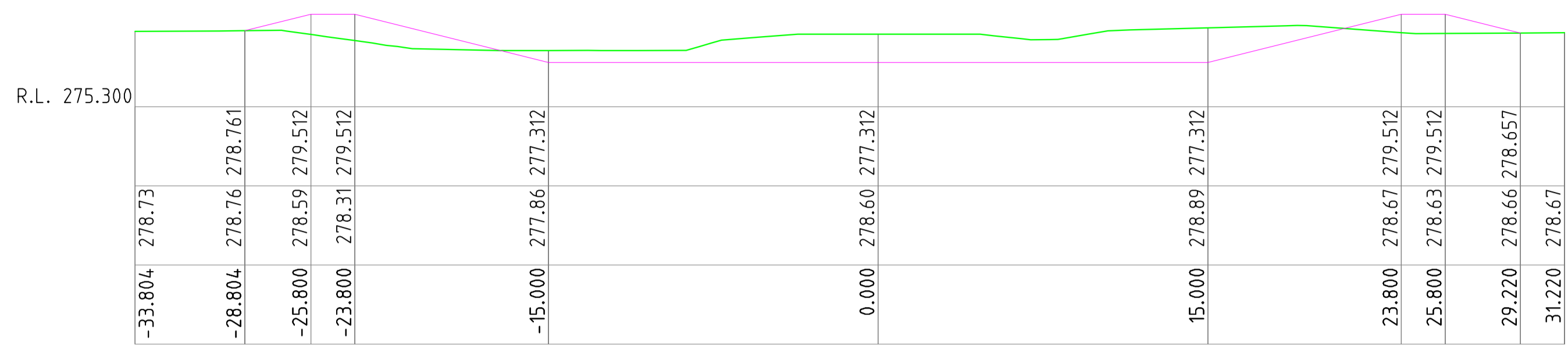
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REV.	DATE	BY	DESCRIPTION	CHK.
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2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

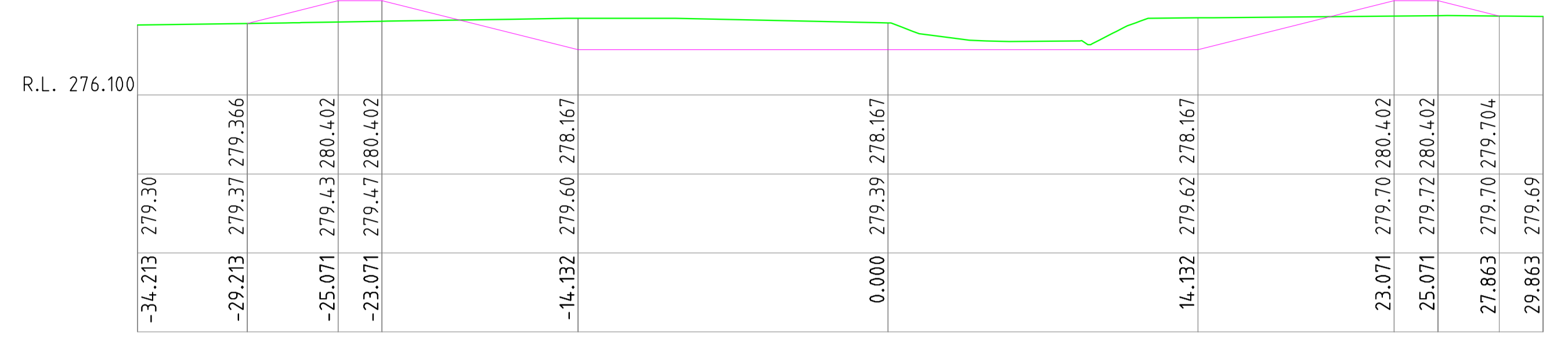
CROSS SECTIONS CH 975.000 - CH 1175.000

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Design Completed: 02.12.2016	Designed: DB	Status: TENDER	Plan Size: A1	Drawing No: 201201-020

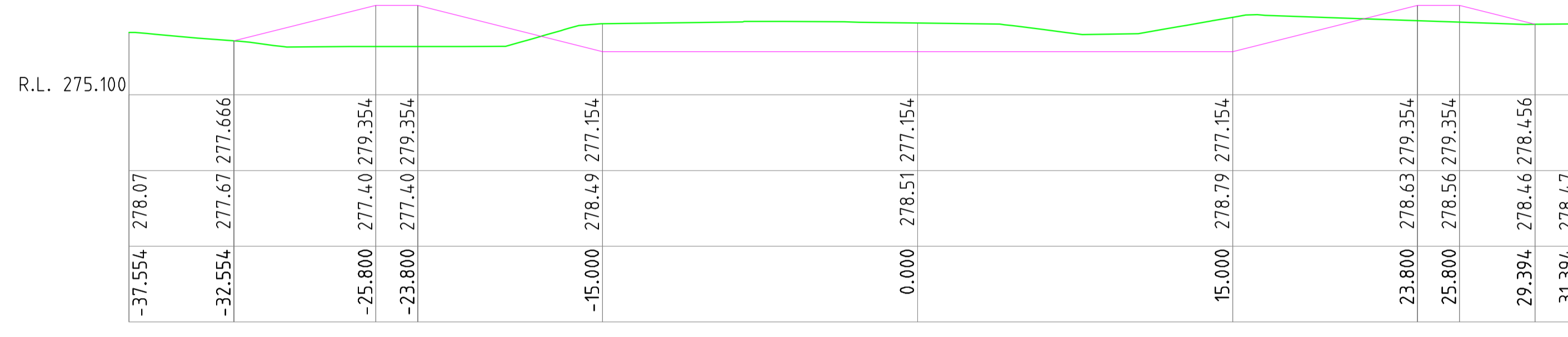




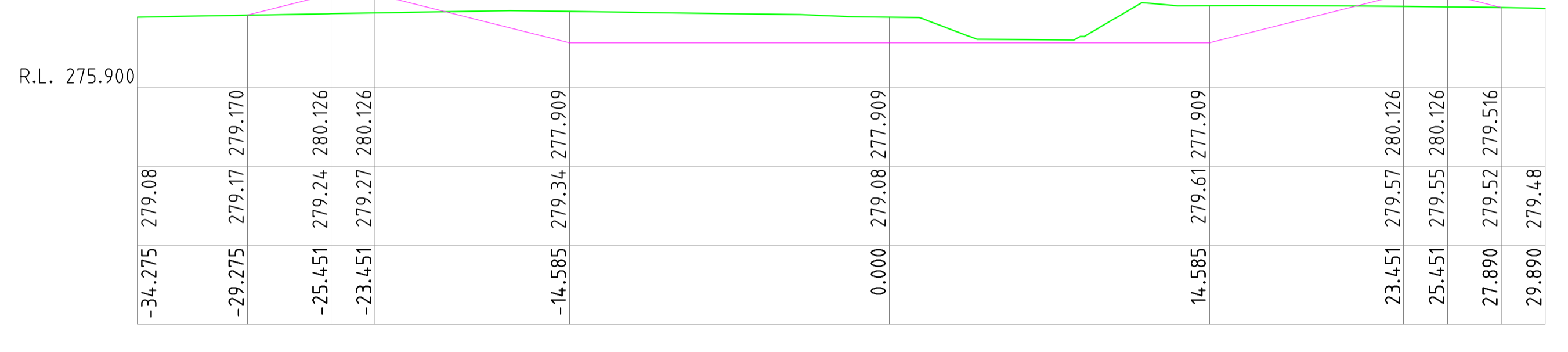
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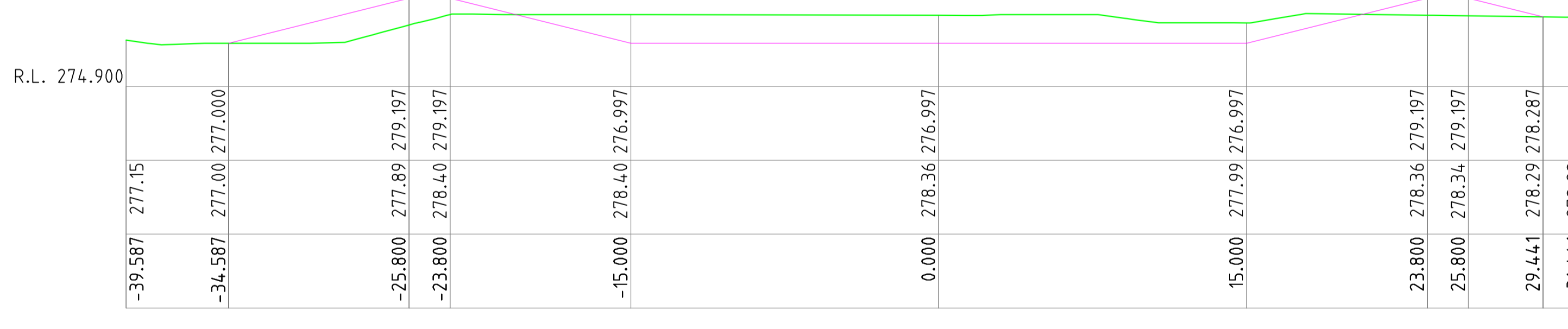
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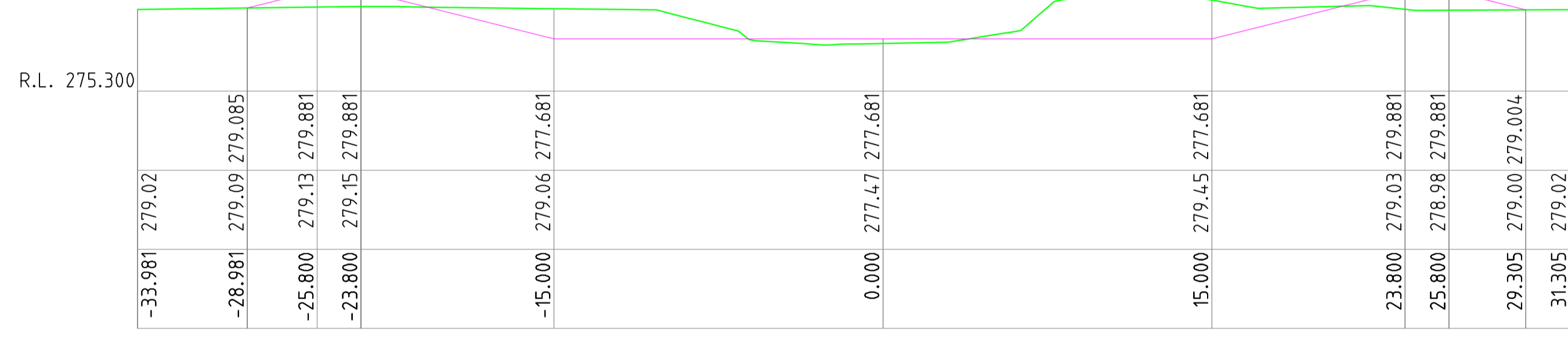
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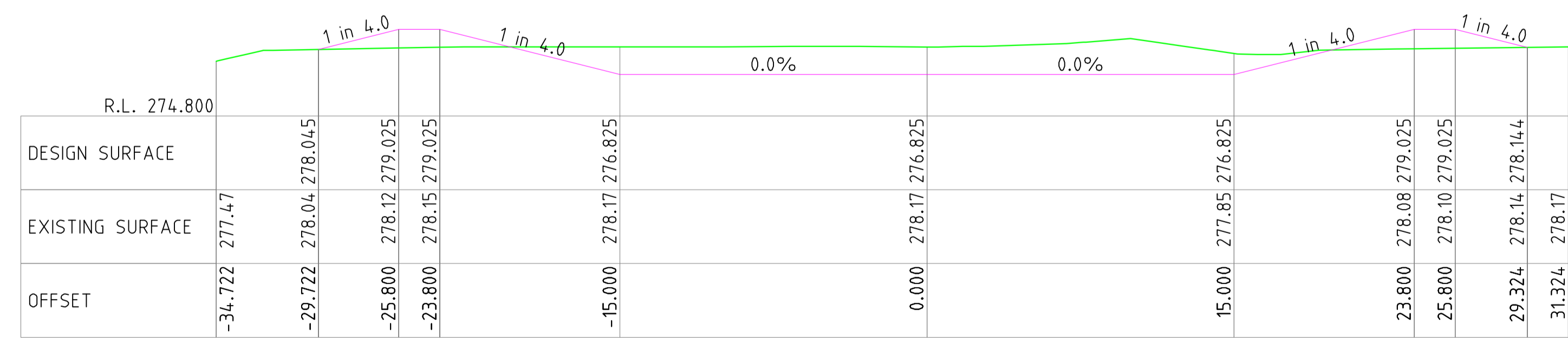
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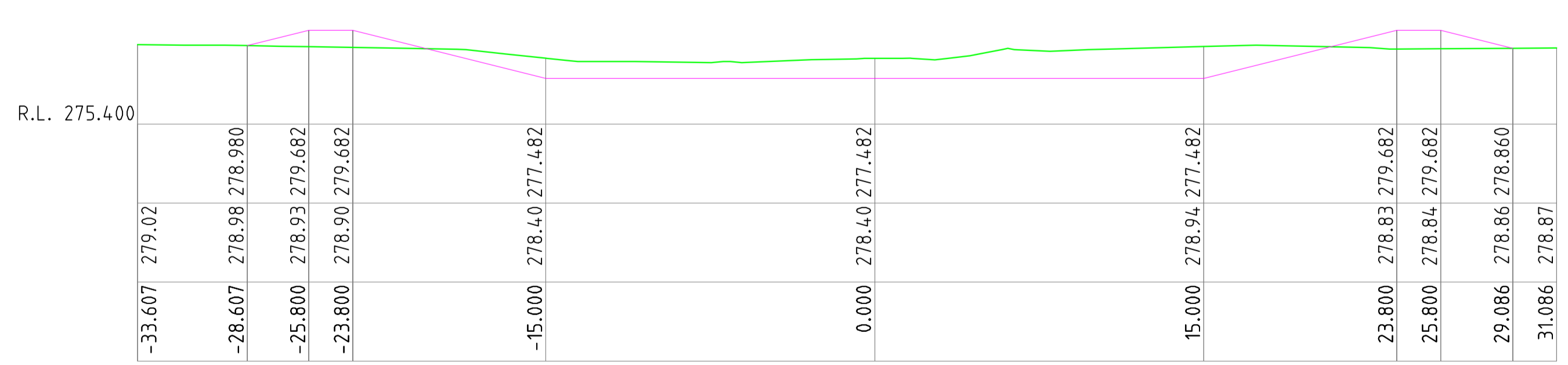
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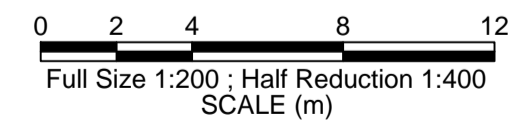
Ch 1325.000



Ch 1200.000



Ch 1300.000



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2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

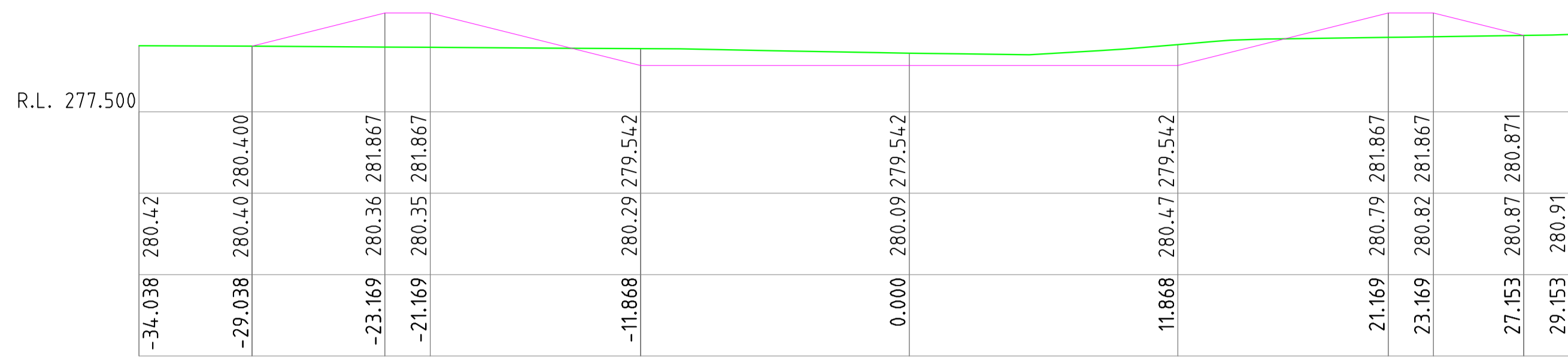
CROSS SECTIONS CH 1200.000 - CH 1375.000

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER

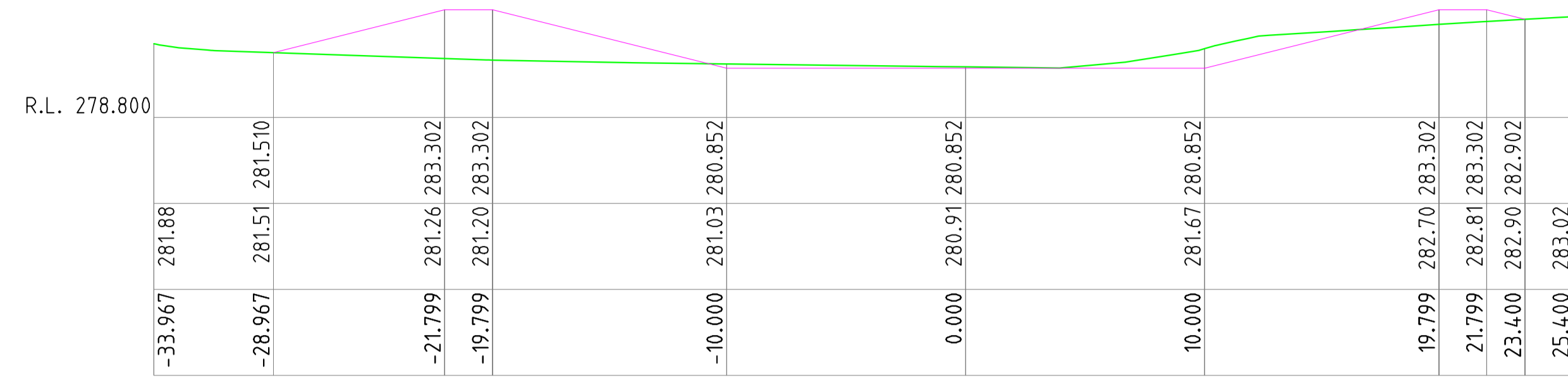
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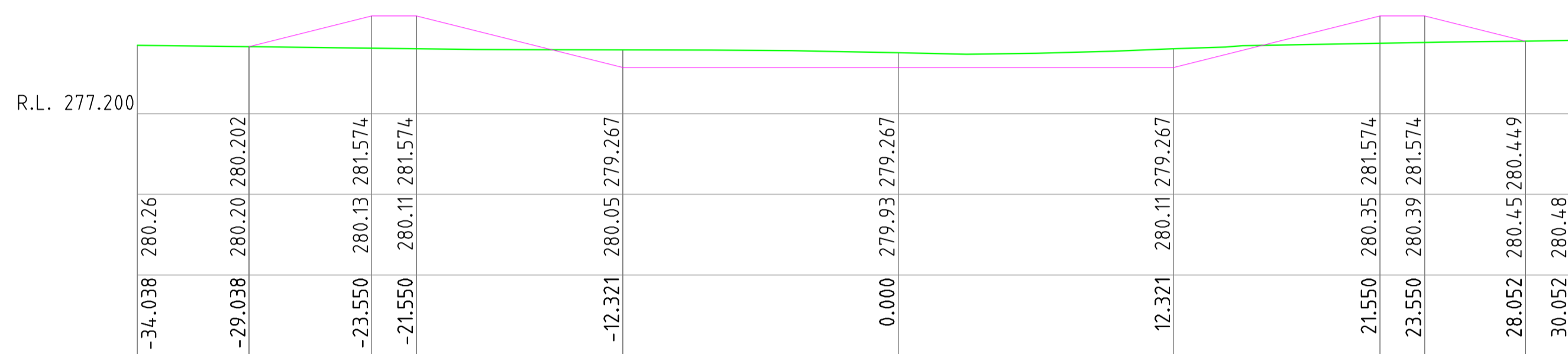
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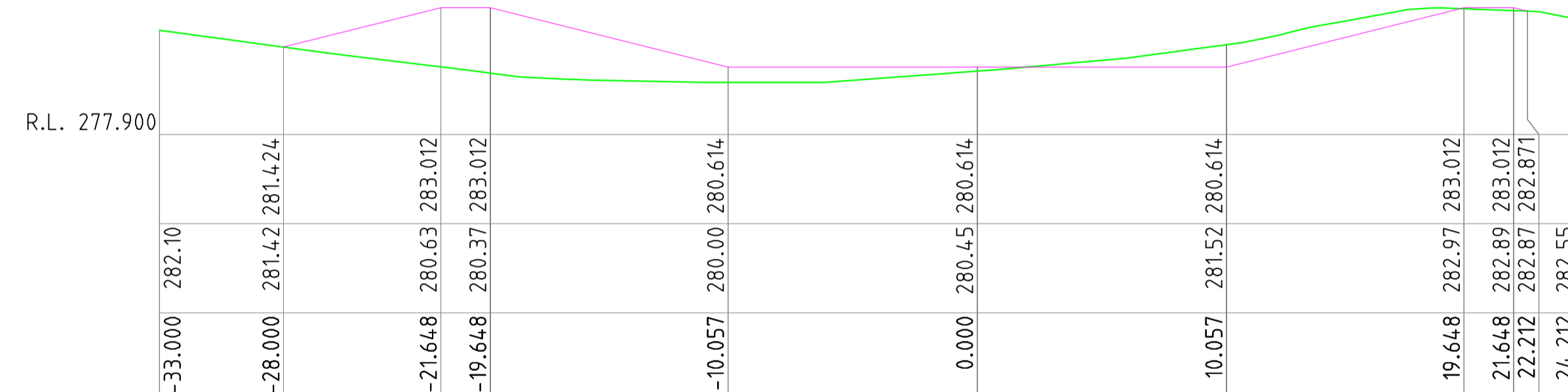
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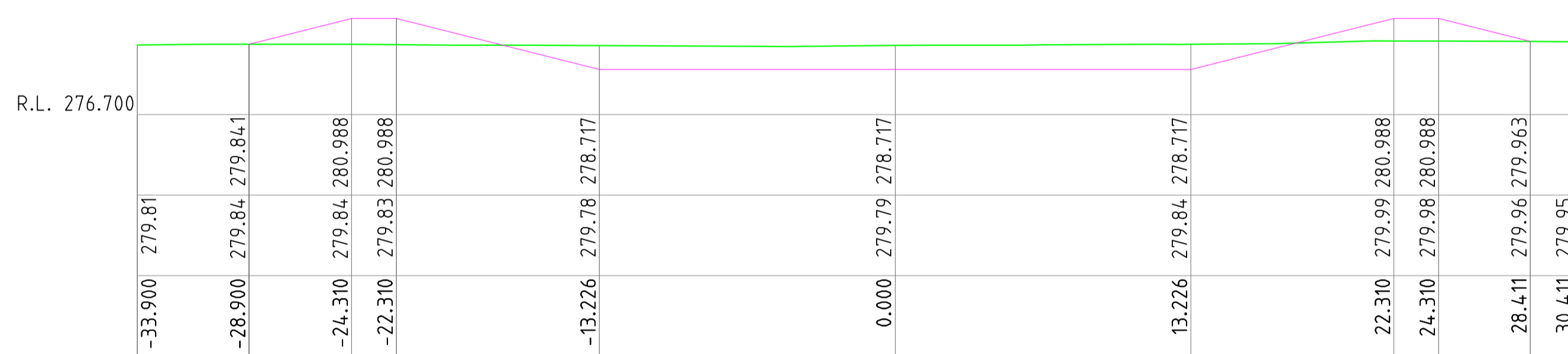
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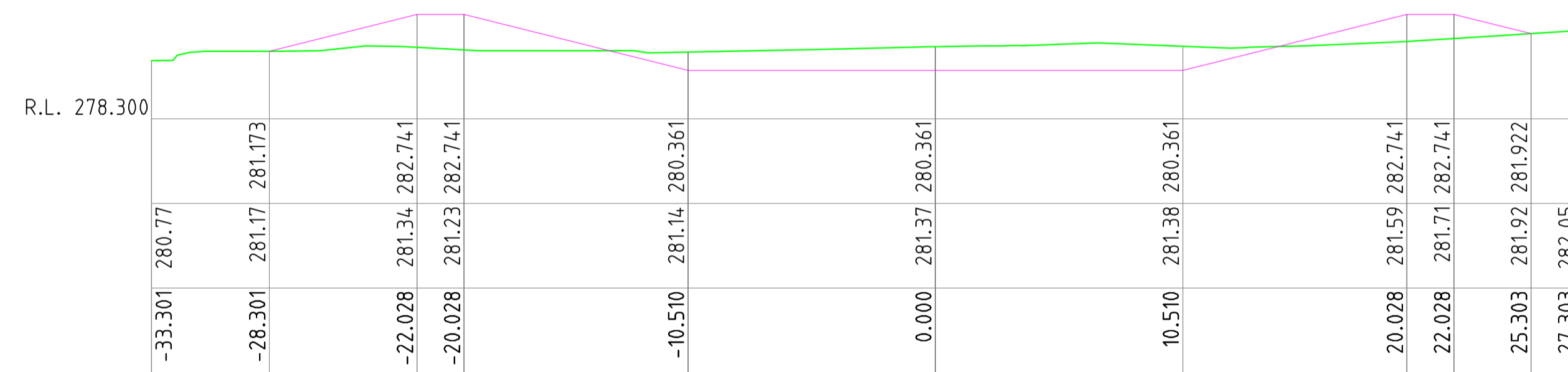
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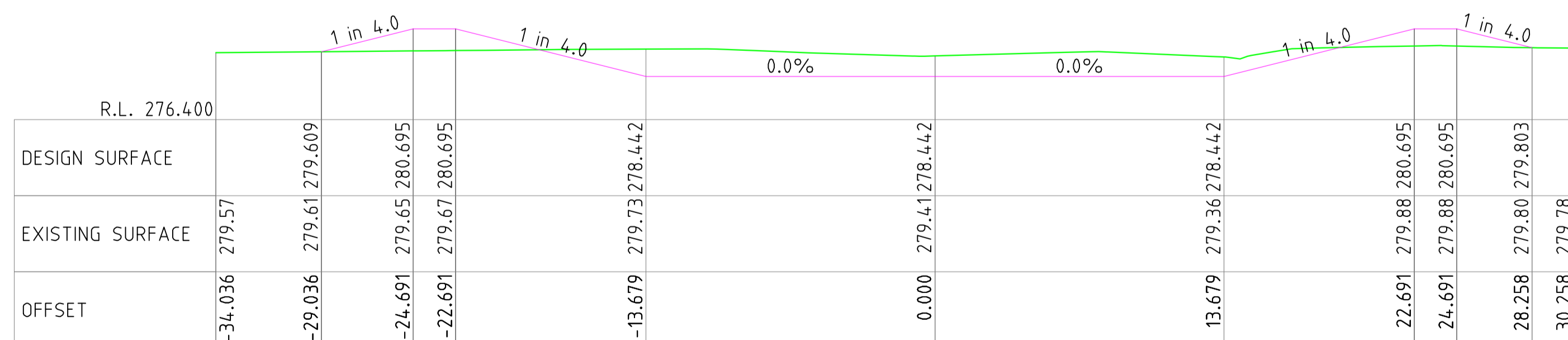
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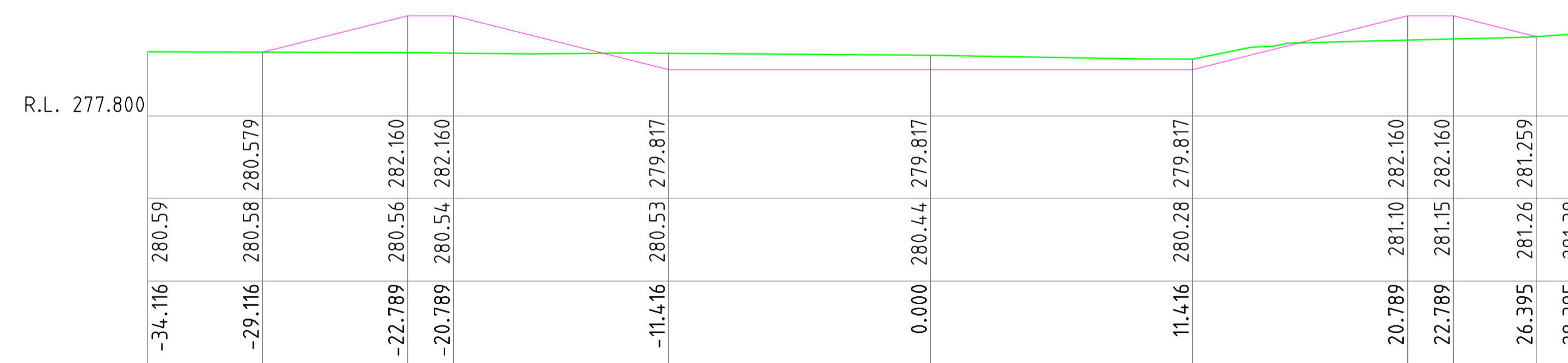
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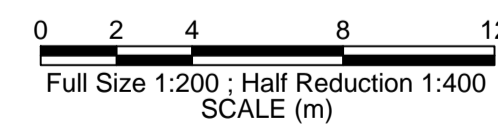
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Ch 1400.000



Ch 1525.000

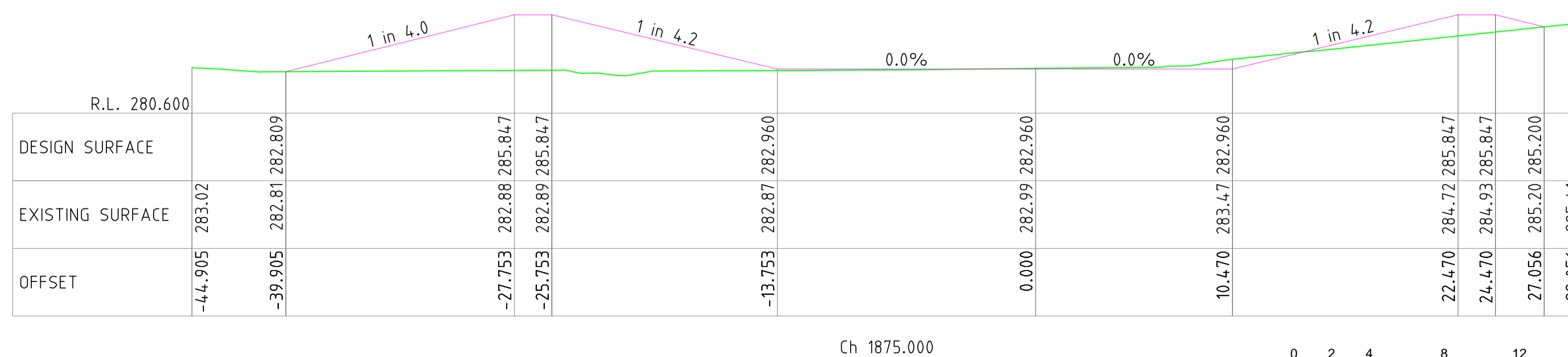
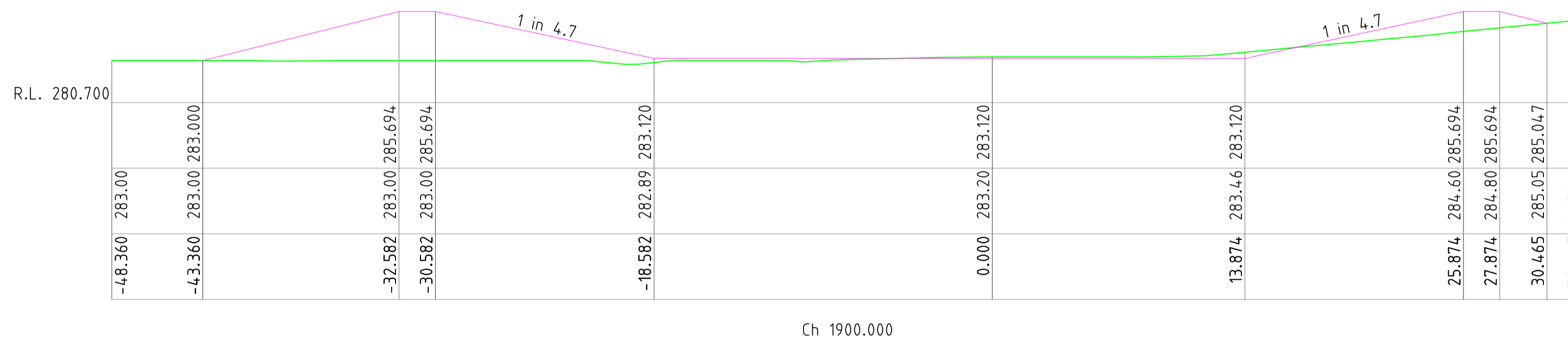
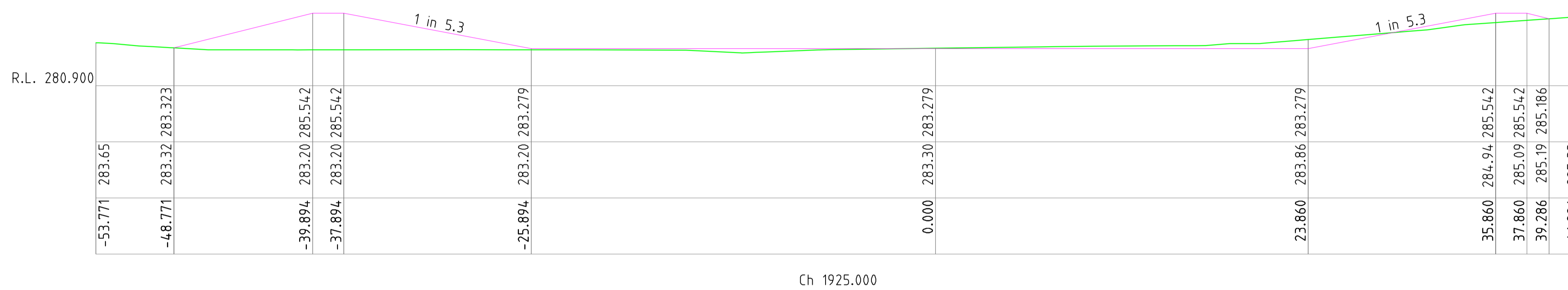
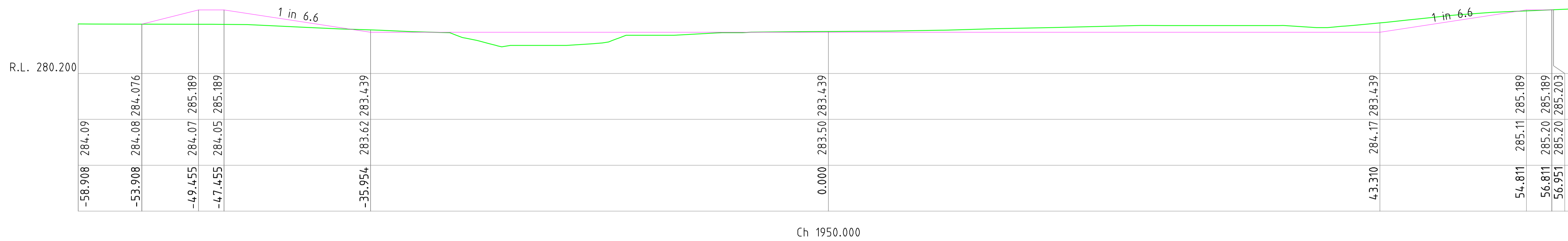


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2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

CROSS SECTIONS
CH 1400.000 - CH 1625.000

Client: GUNNEDAH SHIRE COUNCIL		
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	Plan Size: A1	Drawing No: 201201-022



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2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

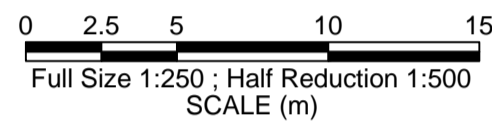
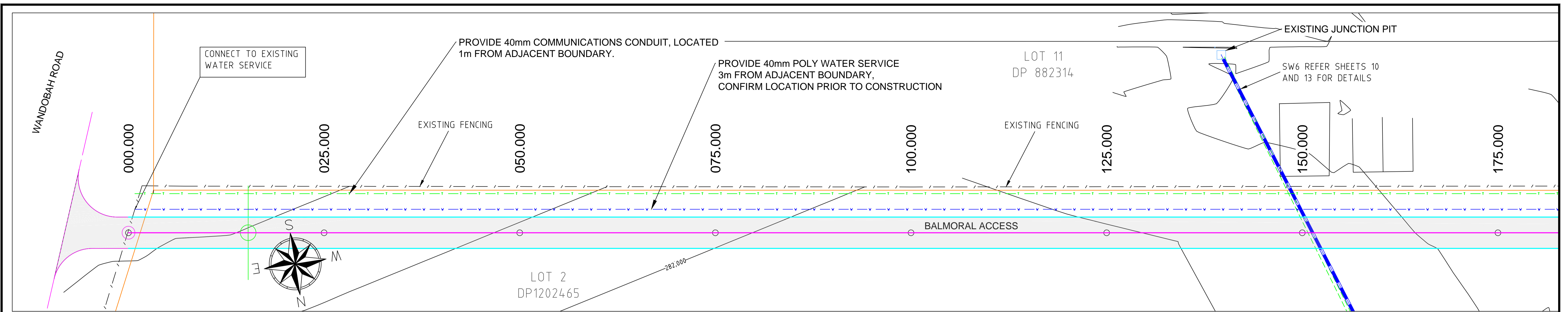
**CROSS SECTIONS
CH 1875.000 - CH 1950.000**

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER

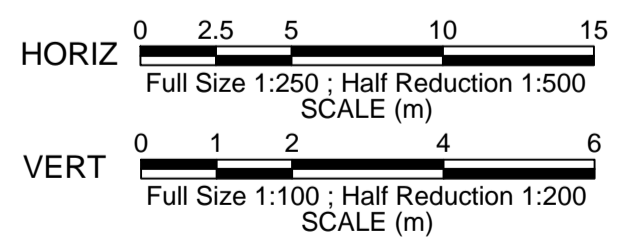
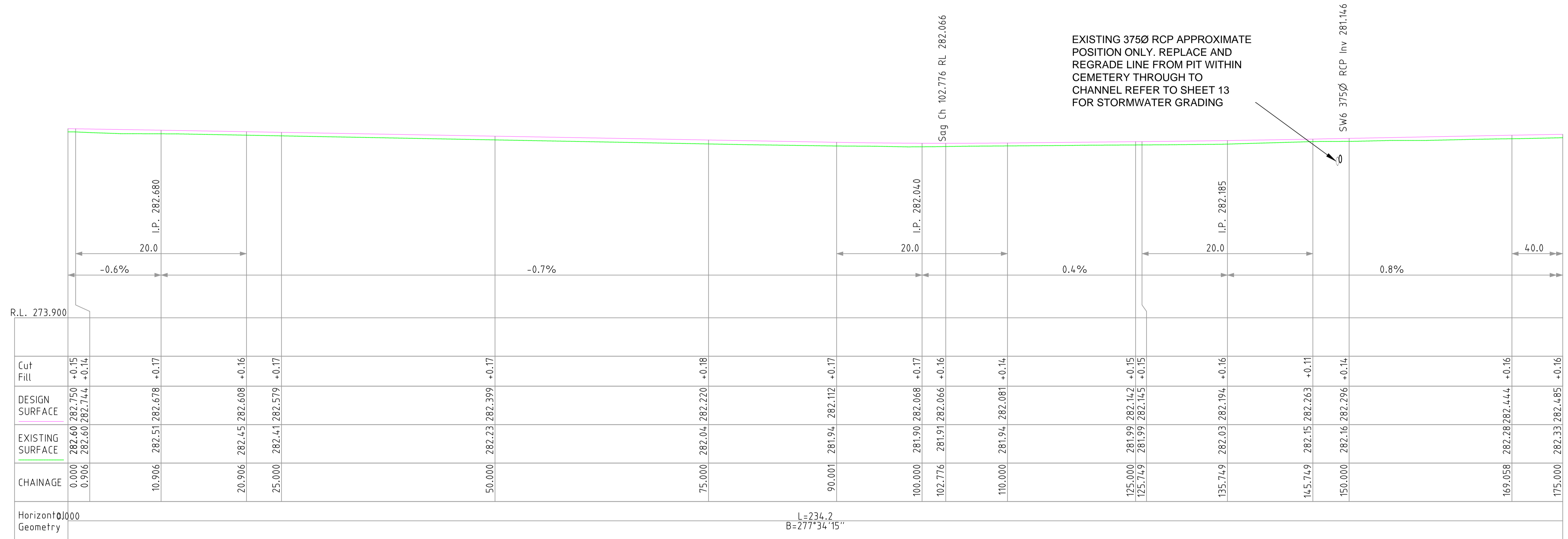
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CONTOUR INTERVAL 0.25m



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3	02.12.2016	DB	ISSUED FOR TENDER	MB
2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

**BALMORAL ACCESS
LONGITUDINAL SECTION
CH 0.000 - 175.000**

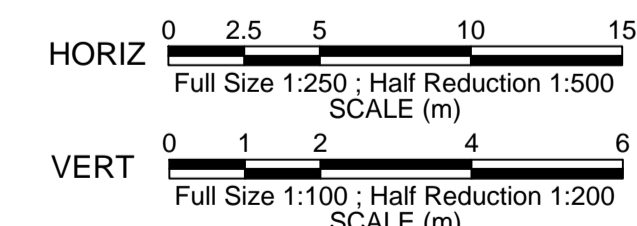
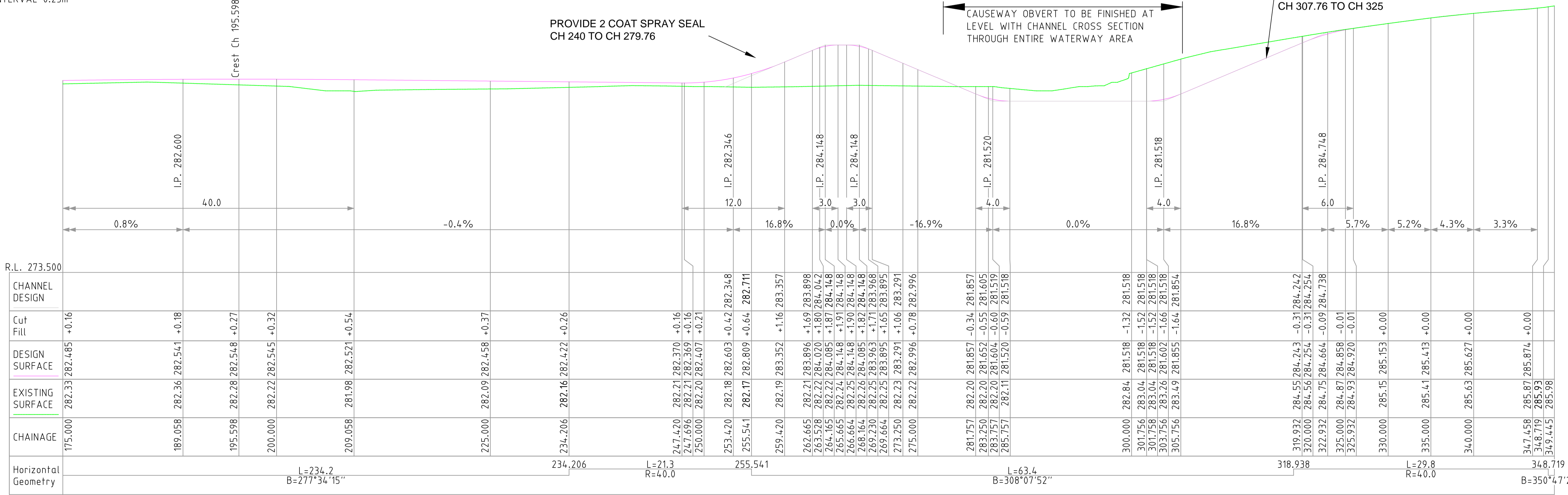
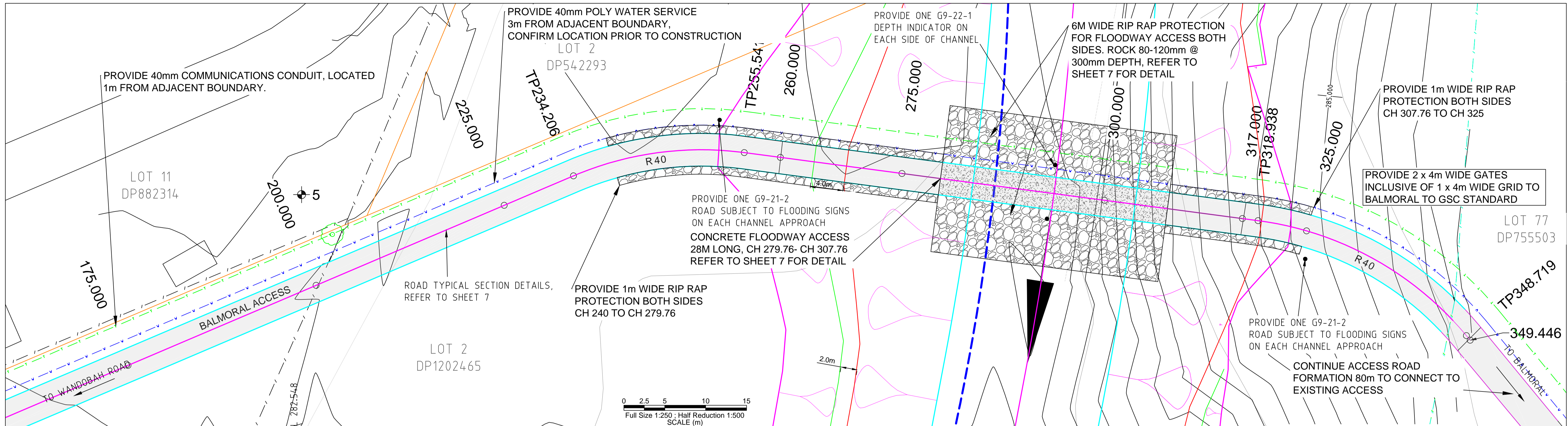
Client: **GUNNEDAH SHIRE COUNCIL**

BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION

Design Completed: 02.12.2016 Designed: DB Status: **TENDER**

Plan Size: **A1** Drawing No: **201201-025**

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3	02.12.2016	DB	ISSUED FOR TENDER	MB
2	26.11.2016	DB	ISSUED FOR TENDER	MB
1	19.11.2016	DB	ISSUED FOR REVIEW	MB

**BALMORAL ACCESS
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Client: **GUNNEDAH SHIRE COUNCIL**

**BLACKJACK CREEK RIPARIAN CORRIDOR &
CHANNEL RECONSTRUCTION**

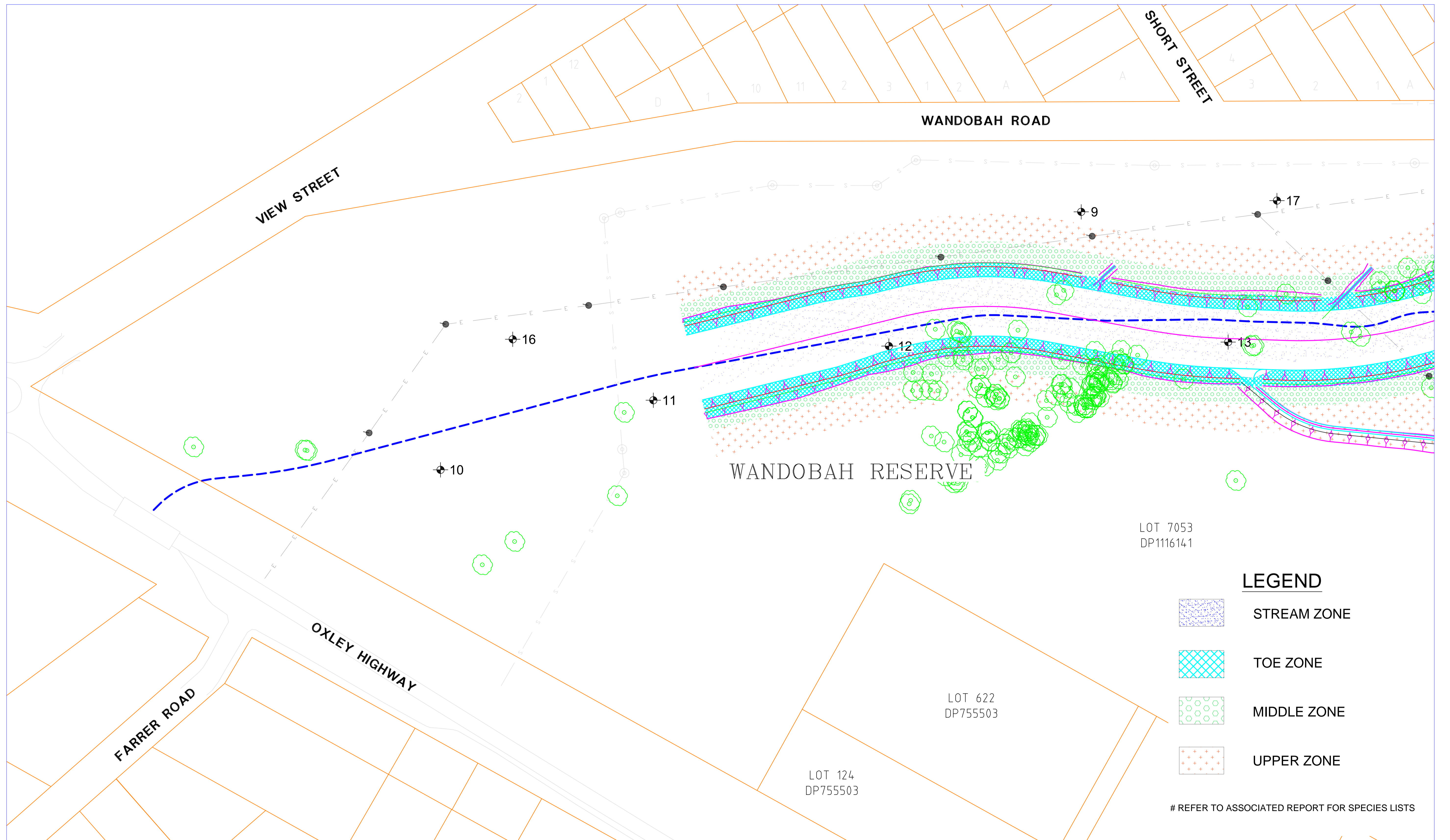
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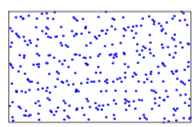
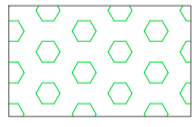
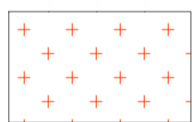
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Plan Size: **A1** Drawing No: **201201-026**



PLAN
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LEGEND

-  STREAM ZONE
-  TOE ZONE
-  MIDDLE ZONE
-  UPPER ZONE

REFER TO ASSOCIATED REPORT FOR SPECIES LISTS

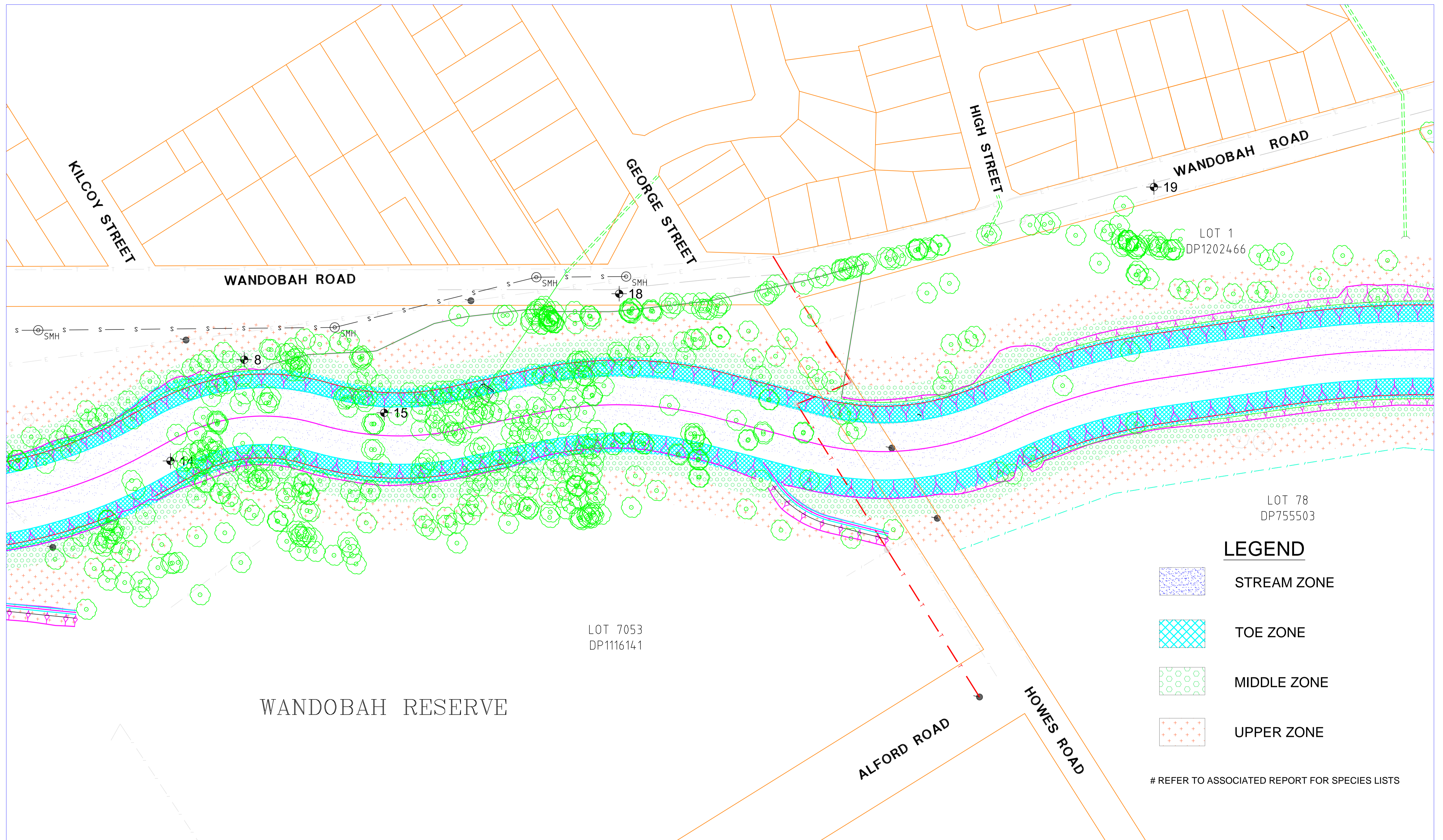
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1	19.11.2016	DB	ISSUED FOR REVIEW	MB

**RIPARIAN RESTORATION ZONE DEFINITIONS
SHEET 1**

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK CHANNEL RECONSTRUCTION CONCEPT DESIGN		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER


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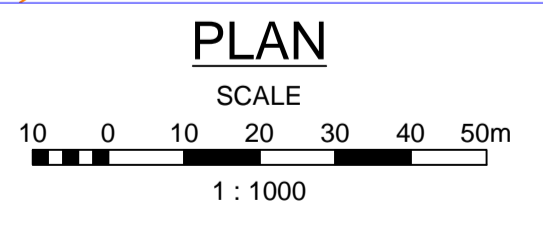
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LEGEND

-  STREAM ZONE
-  TOE ZONE
-  MIDDLE ZONE
-  UPPER ZONE

REFER TO ASSOCIATED REPORT FOR SPECIES LISTS



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1	19.11.2016	DB	ISSUED FOR REVIEW	MB

**RIPARIAN RESTORATION ZONE DEFINITIONS
SHEET 2**

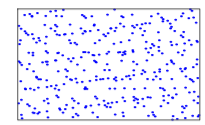
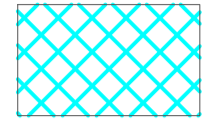


Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK CHANNEL RECONSTRUCTION CONCEPT DESIGN		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER



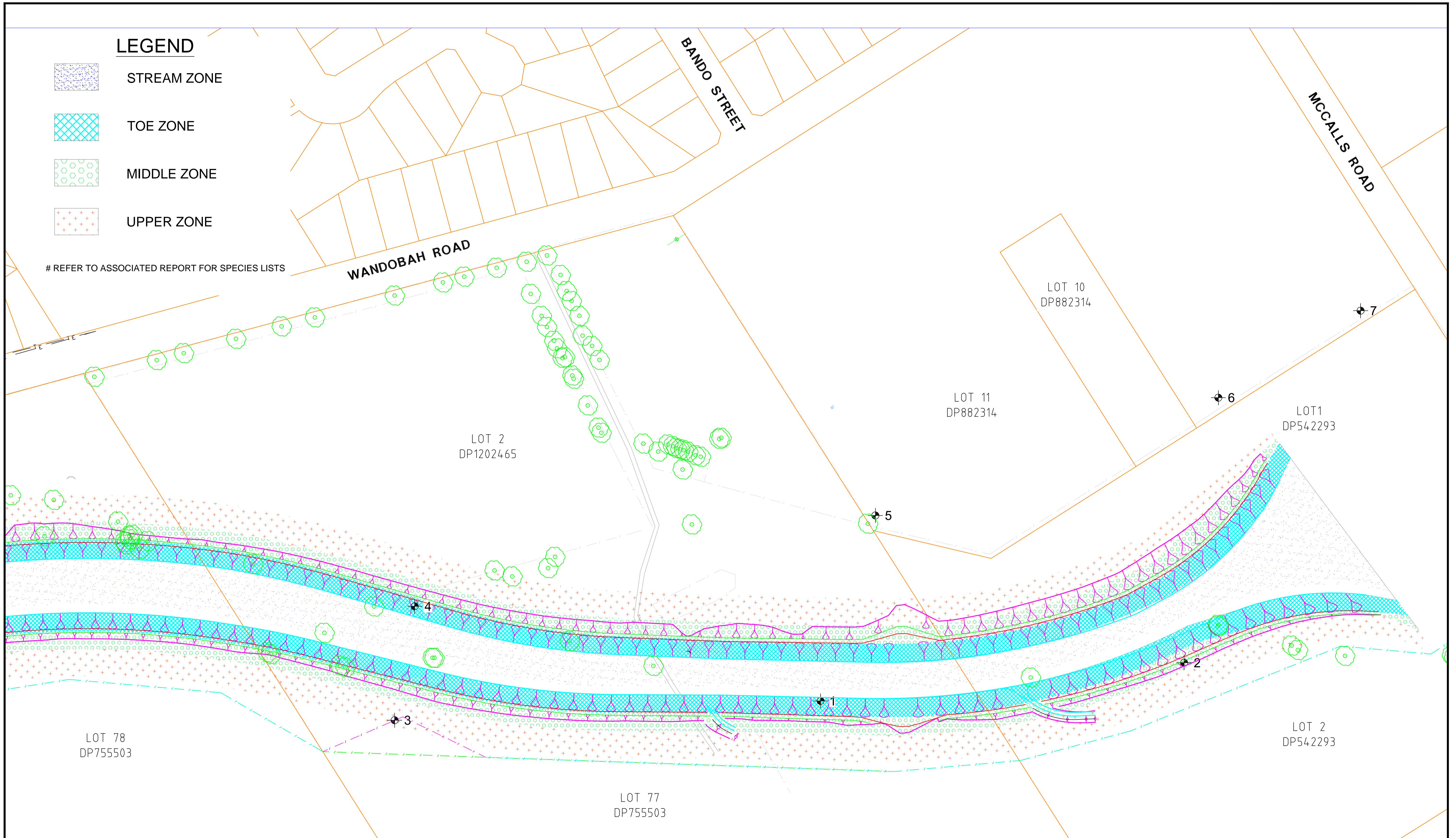
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Plan Size: **A1** Drawing No: **201201-028**

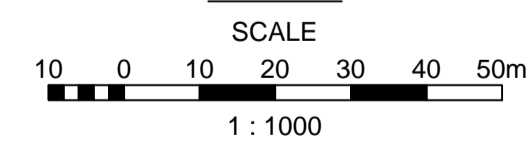
LEGEND

-  STREAM ZONE
-  TOE ZONE
-  MIDDLE ZONE
-  UPPER ZONE

REFER TO ASSOCIATED REPORT FOR SPECIES LISTS



PLAN



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1	19.11.2016	DB	ISSUED FOR REVIEW	MB

**RIPARIAN RESTORATION ZONE DEFINITIONS
SHEET 3**

Client: GUNNEDAH SHIRE COUNCIL		
BLACKJACK CREEK CHANNEL RECONSTRUCTION CONCEPT DESIGN		
Design Completed: 02.12.2016	Designed: DB	Status: TENDER



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Plan Size: A1	Drawing No: 201201-029
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GENERAL CONSTRUCTION NOTES

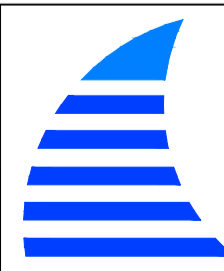
1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTATION.
2. WHERE ANY NOTES PROVIDED IN THIS DRAWING SET CONTRADICT THE SPECIFICATIONS, THE REQUIREMENTS OF THE SPECIFICATIONS SHALL PREVAIL.
3. NOTWITHSTANDING THE EXTENT OF WORKS SHOWN ON THE DRAWINGS THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY CONSTRUCTION REQUIRED TO ENABLE FINISHED WORKS TO COMPLY WITH THE INTENT OF THE DRAWINGS, THE CLIENT, LOCAL AUTHORITIES &/OR RMS.
4. SERVICES / UTILITIES SHOWN ON THE PLANS ARE BASED ON SURVEY INFORMATION &/OR DIAL BEFORE YOU DIG (DBYD) INFORMATION AND ARE TO BE CONSIDERED AS INDICATIVE ONLY. THE CONTRACTOR IS TO SATISFY THEMSELVES AS TO THE EXACT POSITION OF EXISTING SERVICES / UTILITIES.
5. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES / UTILITIES AND SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITIES TO RELOCATE OR ADJUST SERVICES / UTILITIES AS NECESSARY.
6. SETTING OUT OF THE WORKS SHALL BE UNDERTAKEN BY SUITABLY EXPERIENCED PERSONNEL.
7. THE CONTRACTOR SHALL NOT ENTER UPON OR DO ANY WORK WITHIN ANY LAND WITHOUT PRIOR WRITTEN PERMISSION FROM THE LANDOWNER.
8. THE CONTRACTOR SHALL MAINTAIN ALL SERVICES AND ALL WEATHER ACCESS AT ALL TIMES TO ADJOINING PROPERTIES.
9. REMOVAL OF UNSUITABLE MATERIAL IS SUBJECT TO APPROVAL FROM THE SUPERINTENDENT &/OR PROJECT VERIFIER.
10. SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED BY THE SUPERINTENDENT &/OR PROJECT VERIFIER.
11. SERVICE CONDUITS SHALL BE LAID DURING SUBGRADE CONSTRUCTION / PREPARATION AFTER THE RELEVANT AUTHORITIES HAVE DETERMINED POSITIONS. (WHERE APPLICABLE).
12. ALL NEW WORKS SHALL TRANSITION SMOOTHLY TO EXISTING CONDITIONS.
13. THE CONTRACTOR SHALL SUPPLY WORK-AS-EXECUTED ENGINEERING DRAWINGS AND CO-ORDINATES TO THE SUPERINTENDENT &/OR PROJECT VERIFIER AT COMPLETION OF THE WORKS.

ENVIRONMENTAL COMPLIANCE NOTES

1. FOR ENVIRONMENTAL COMPLIANCE REQUIREMENTS REFER TO THE REVIEW OF ENVIRONMENTAL FACTORS REPORT PREPARED BY CONSTRUCTIVE SOLUTIONS DATED NOVEMBER 2013.
2. NO WORKS ARE TO COMMENCE UNTIL THE APPROVED EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN IMPLEMENTED.
3. THE CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, REDUNDANT FENCING, OUT HOUSES, CAR BODIES ETC WITH DISPOSAL AT A LICENCED LANDFILL FACILITY. THE CONTRACTOR SHALL NOT DISPOSE OF ANY DEBRIS BY BURNING.
4. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DUST CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT.
5. FELLED TREES SHALL BE SALVAGED FOR REUSE AS WOOD CHIPP FOR SITE REHABILITATION. NON-SALVAGEABLE MATERIAL SUCH AS STUMPS AND ROOTS SHALL BE DISPOSED OF AT A LICENCED LANDFILL FACILITY.

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1	19.11.2016	DB	ISSUED FOR REVIEW	MB

CONSTRUCTION NOTES

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BLACKJACK CREEK RIPARIAN CORRIDOR & CHANNEL RECONSTRUCTION			
Design Completed:	Designed:	Status:	Plan Size:
02.12.2016	DB	TENDER	A1
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