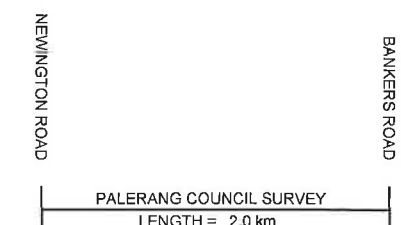




PALERANG
COUNCIL

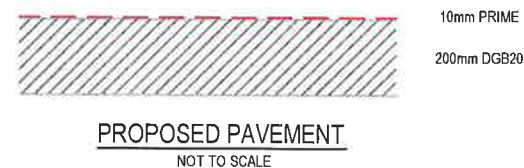
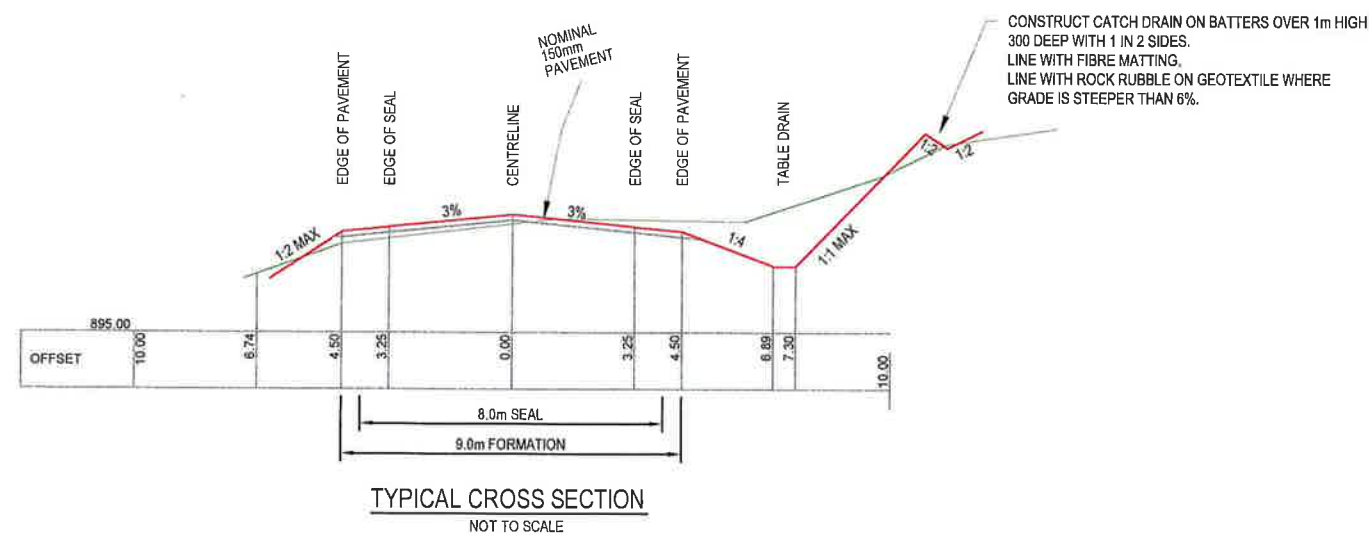


TITLE / DESCRIPTION	SHEET No
COVER SHEET / INDEX	1
NOTES, LEGEND & TYPICAL SECTIONS	2
PLANS	3 - 7
LONGITUDINAL SECTIONS	8 - 18
CROSS SECTIONS	18 - 38
EROSION & SEDIMENT CONTROL PLANS	39 - 43



LOCALITY PLAN

SCALE: (A1 ORIGIN)		NOT TO SCALE		SURVEYED _____ DATE _____								 PALERANG COUNCIL		PROJECT:		CIVIL/CAD FILE No 10006_design.cad		SHEET	
DATUM		A.H.D.		ORIGIN		DESIGNED _____ PG _____ DATE Feb 2013						 PALERANG COUNCIL		MACS REEF ROAD RECONSTRUCTION FROM 'BANKERS ROAD' TO 'NEWINGTON ROAD'		CAD DRAWING No 10006_design.dwg			
COORD. SYSTEM		M.G.A.				DRAWN _____ TM _____ DATE Feb 2013						10 MAJARA STREET BUNGENDORE, NSW, 2621 TEL: 6238 8111 FAX: 6238 1280				JOB No			
						CHECKED _____ TCP _____ DATE Feb 2013						@ ISSUED FOR CONSTRUCTION TM 18.01.13				TITLE		REV	
						No AMENDMENT		BY		DATE						COVER SHEET / INDEX		0	

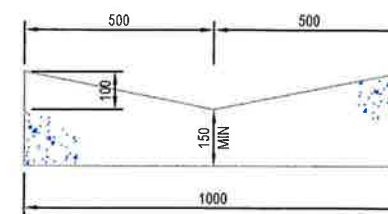


EARTHWORK QUANTITIES

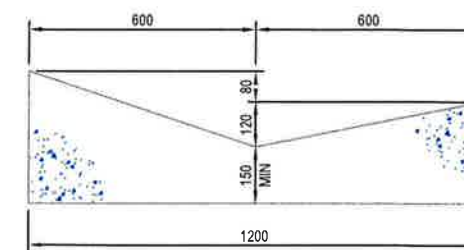
STRIPPING VOLUME	2464.15
PAVEMENT VOLUME	4298.80
TOTAL CUT	14027.18
TOTAL FILL	16282.92
NET VOLUME	2255.74 FILL

SURVEY STATIONS

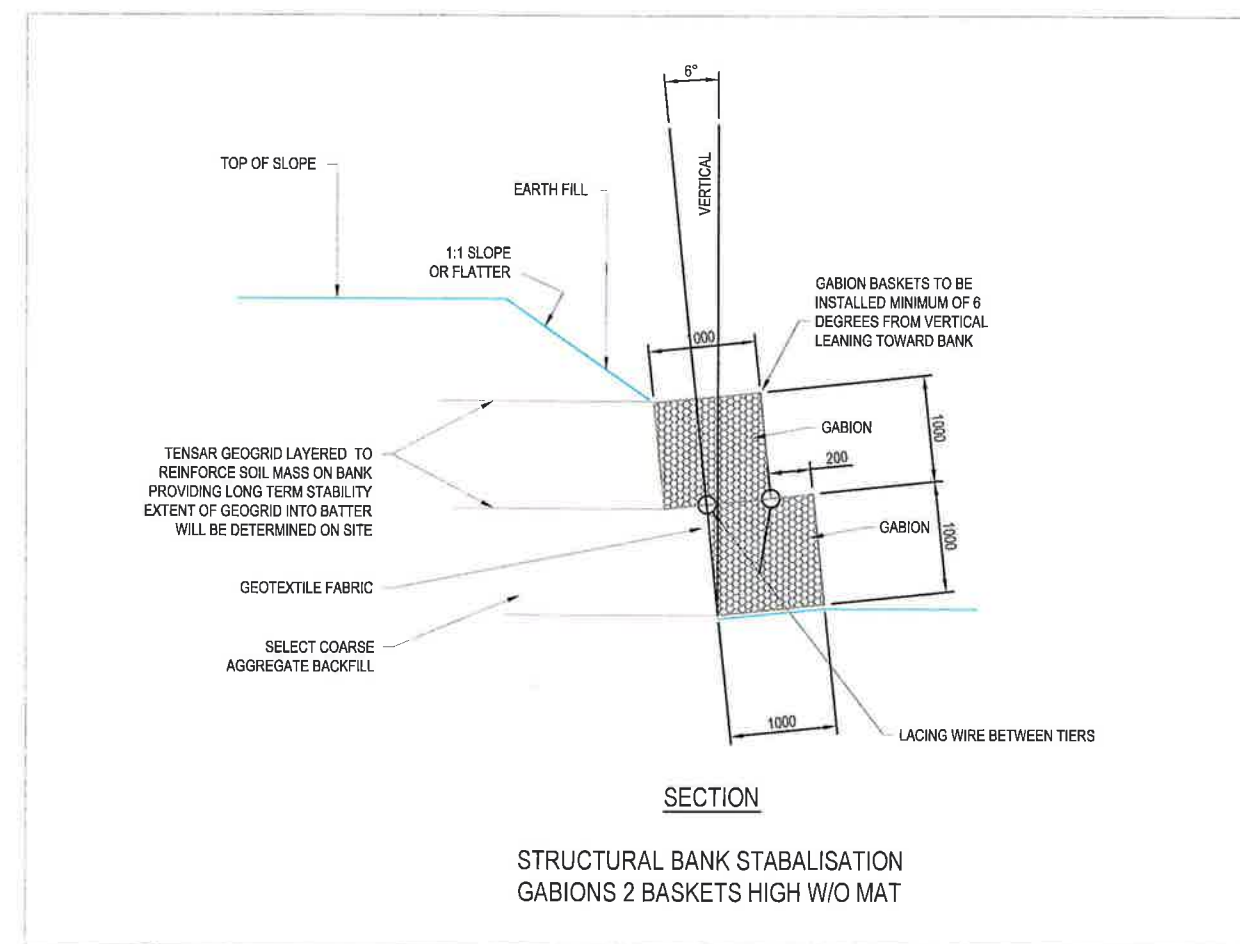
POINT	TYPE	EASTING	NORTHING	ELEVATION
BASE STATION	STN			
BASE 1	STN			
9001	STN	709422.307	6104047.072	689.381
9002	STN	709553.608	6104052.555	693.857
9003	STN	709730.285	6104077.299	704.498
9004	STN	709880.478	6104134.548	724.990
9005	STN	710040.395	6104112.525	743.828
9006	STN	710248.317	6104008.429	765.988
9007	STN	710426.786	6104012.896	781.218
9008	STN	710586.071	6104104.513	797.082
9009	STN	710682.428	6104219.259	787.529
9010	STN	710815.400	6104267.411	784.509
9011	STN	710970.528	6104248.217	791.307
9480	SCP	710173.664	6104025.047	763.050
9913	SSM	709333.522	6104032.549	685.540
10001	SSM	709029.691	6104058.567	673.950

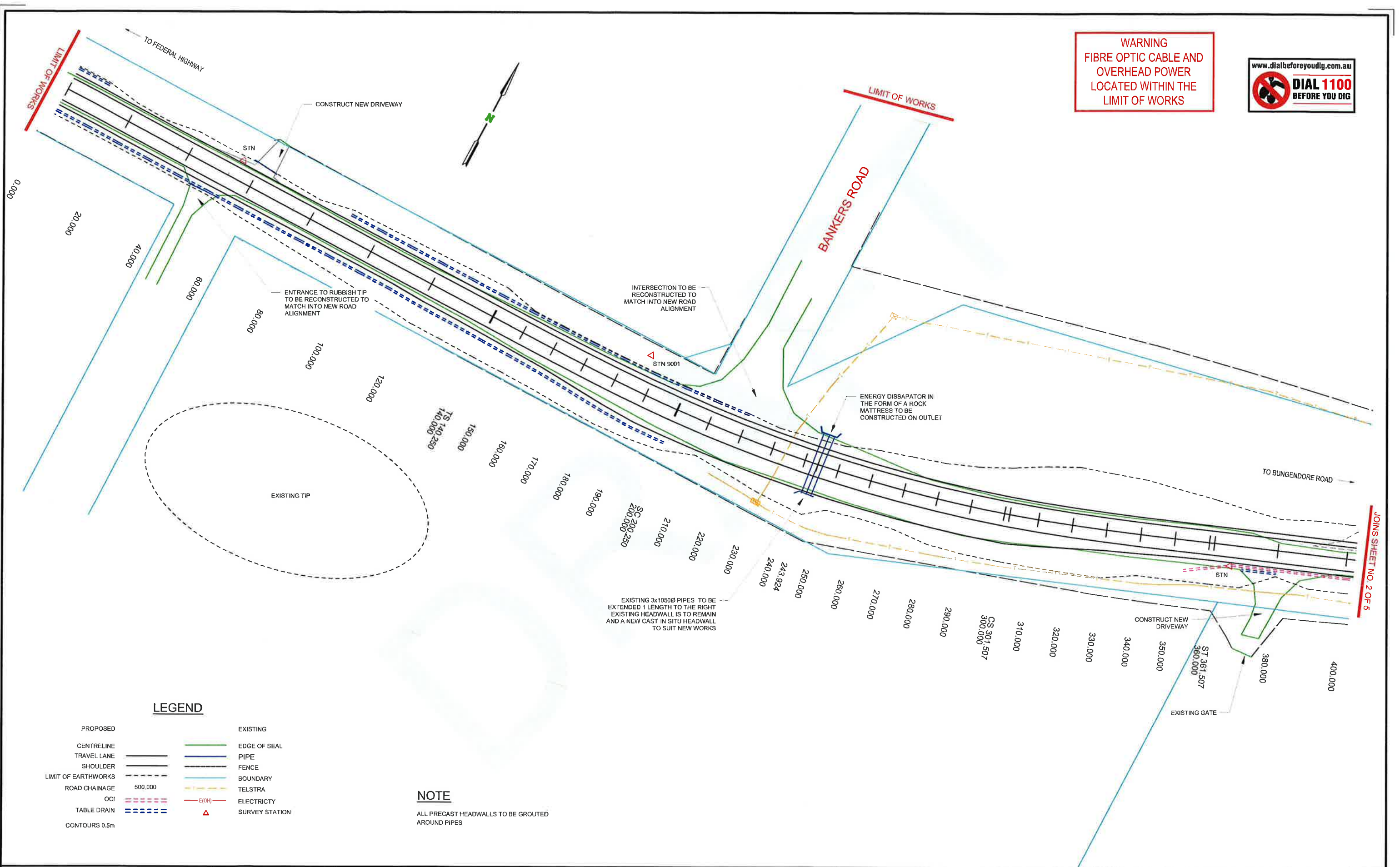


OPEN CONCRETE INVERT (OCI)
SCALE 1:10



OPEN CONCRETE INVERT (OCI)
SCALE 1:10





WARNING
FIBRE OPTIC CABLE AND
OVERHEAD POWER
LOCATED WITHIN THE
LIMIT OF WORKS

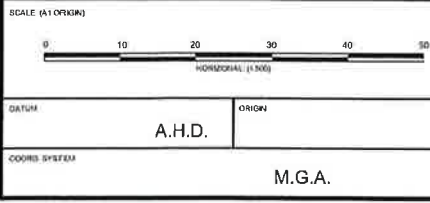


LEGEND

- | | |
|---------------------|----------------|
| PROPOSED | EXISTING |
| CENTRELINE | EDGE OF SEAL |
| TRAVEL LANE | PIPE |
| SHOULDER | FENCE |
| LIMIT OF EARTHWORKS | BOUNDARY |
| ROAD CHAINAGE | TELSTRA |
| OCI | ELECTRICITY |
| TABLE DRAIN | SURVEY STATION |
| CONTOURS 0.5m | |

NOTE

ALL PRECAST HEADWALLS TO BE GROUTED
AROUND PIPES



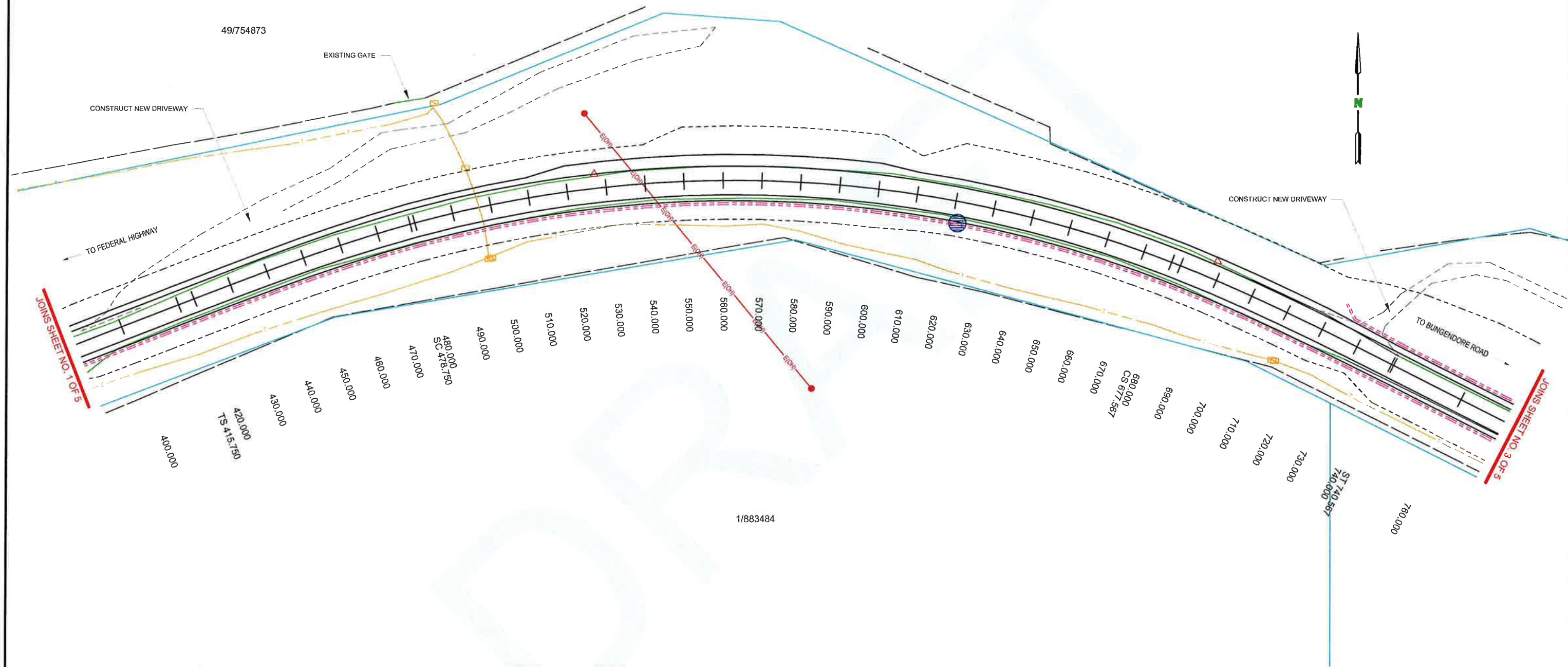
SURVEYED	DATE
DESIGNED	PS DATE Feb 2013
DRAWN	TM DATE Feb 2013
CHECKED	TCP DATE Feb 2013

9	PRELIMINARY ISSUE	TM	21.02.13
0	AMENDMENT	BY	DATE

PALERANG COUNCIL
10 MAJARA STREET
BUNGENDORE, NSW. 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:
MACS REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

CAD FILE No	option 1_2lane_2way_1.5h.ccd	SHEET
CAD FILE No	06008_design.dwg	
JOB No		
FILE		
PLAN - SHEET 1 OF 5		0



WARNING
FIBRE OPTIC CABLE AND
OVERHEAD POWER
LOCATED WITHIN THE
LIMIT OF WORKS



NOTE
FOR GENERAL NOTES AND LEGEND REFER TO PLAN SHEET 1 OF 5



DATE: A.H.D. ORIGIN: M.G.A.

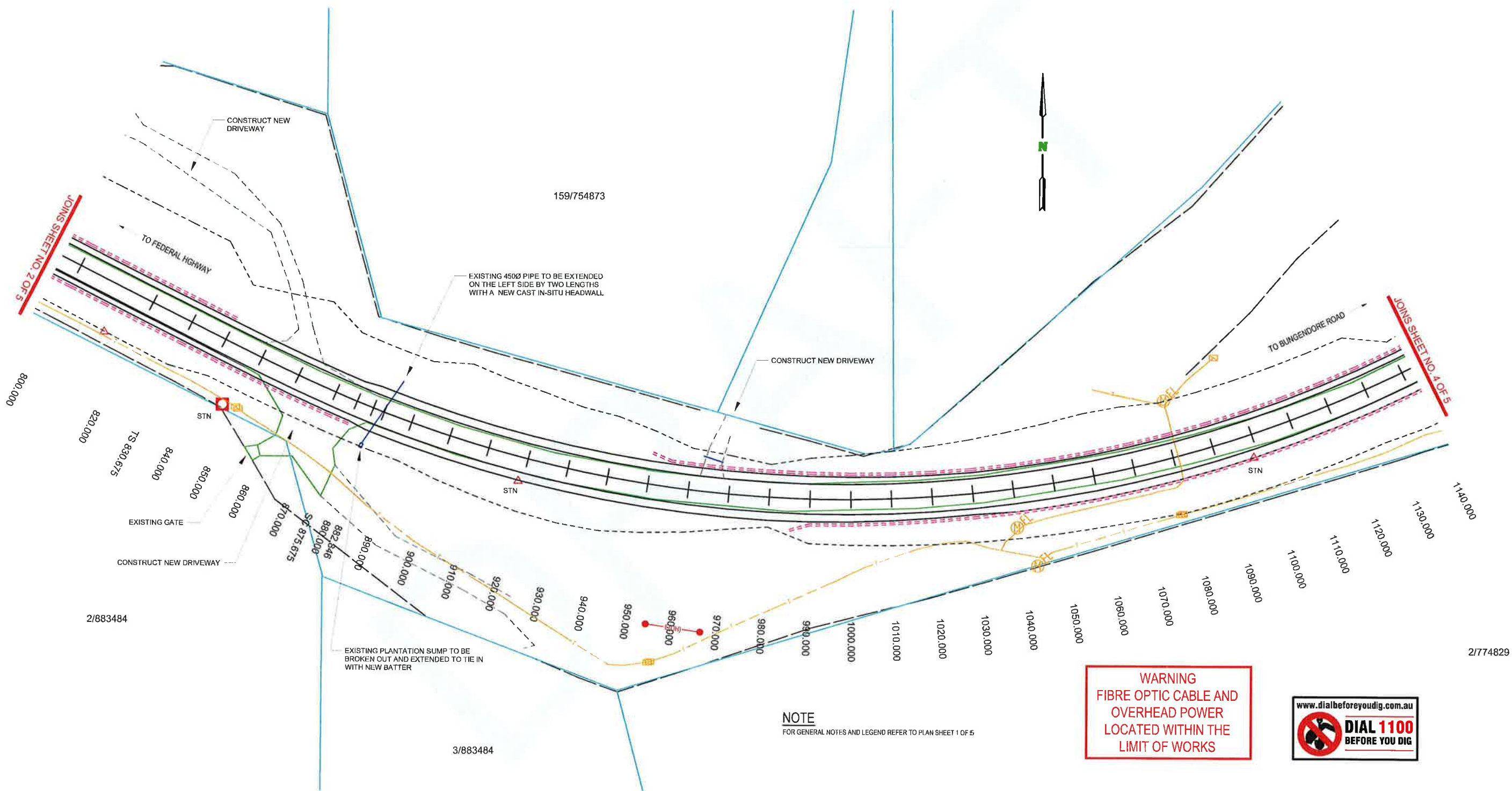
SURVEYED: DATE: DESIGNED: PS DATE: Feb 2013 DRAWN: TM DATE: Feb 2013 CHECKED: TCP DATE: Feb 2013

No: AMENDMENT

PALERANG COUNCIL
PALERANG COUNCIL
10 MAJARA STREET
BUNGENDORE, NSW, 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:
MACS REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

CRW/CAD FILE No: opilon_1_2lane_2way_15sh.ccd
CAD/DRAWING No: 06008_design.dwg
JOB No: TITLE: PLAN - SHEET 2 OF 5
SHEET: 0

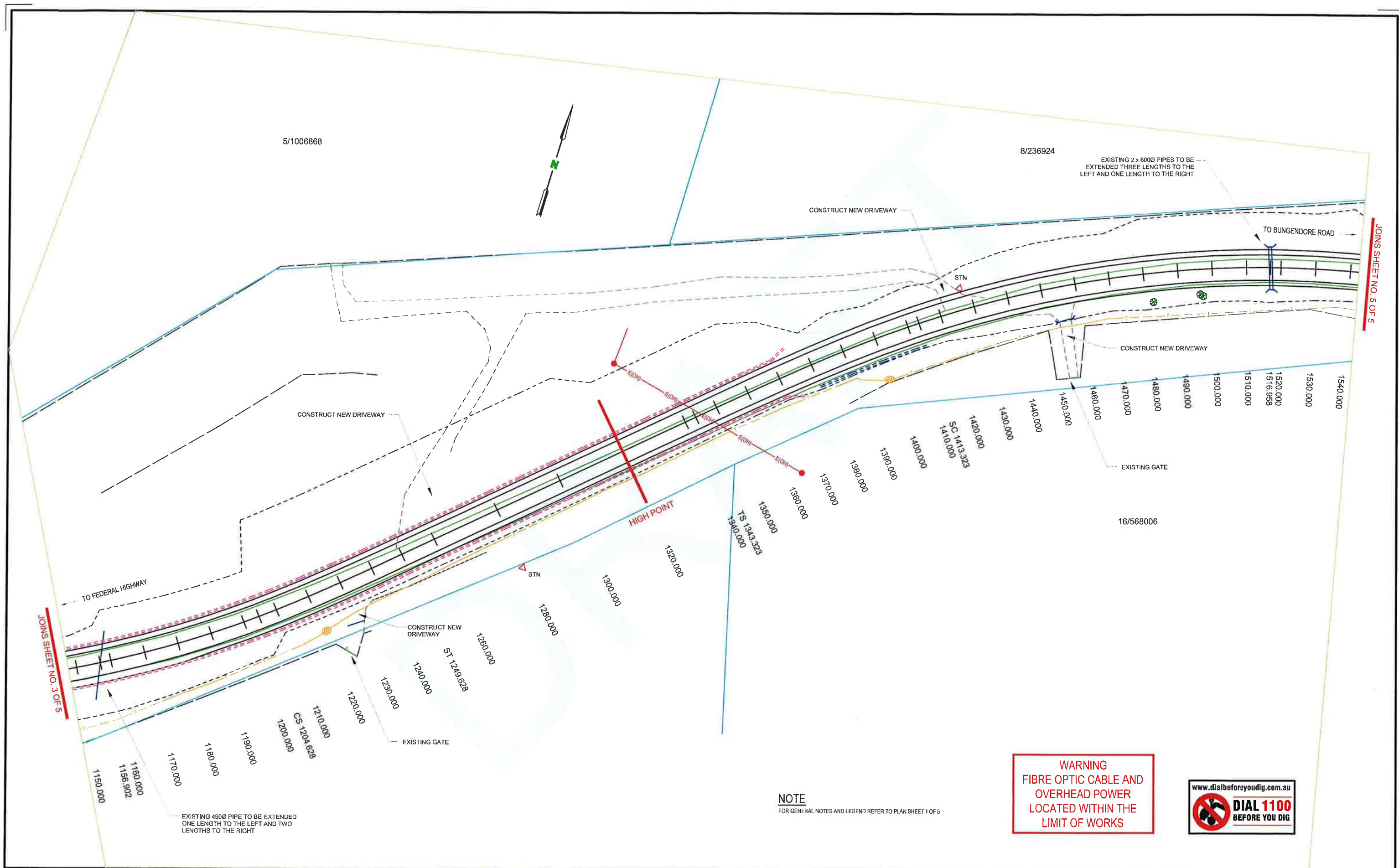


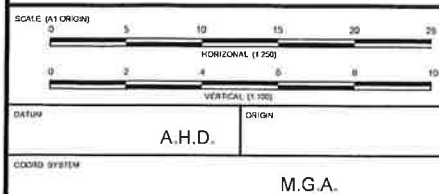
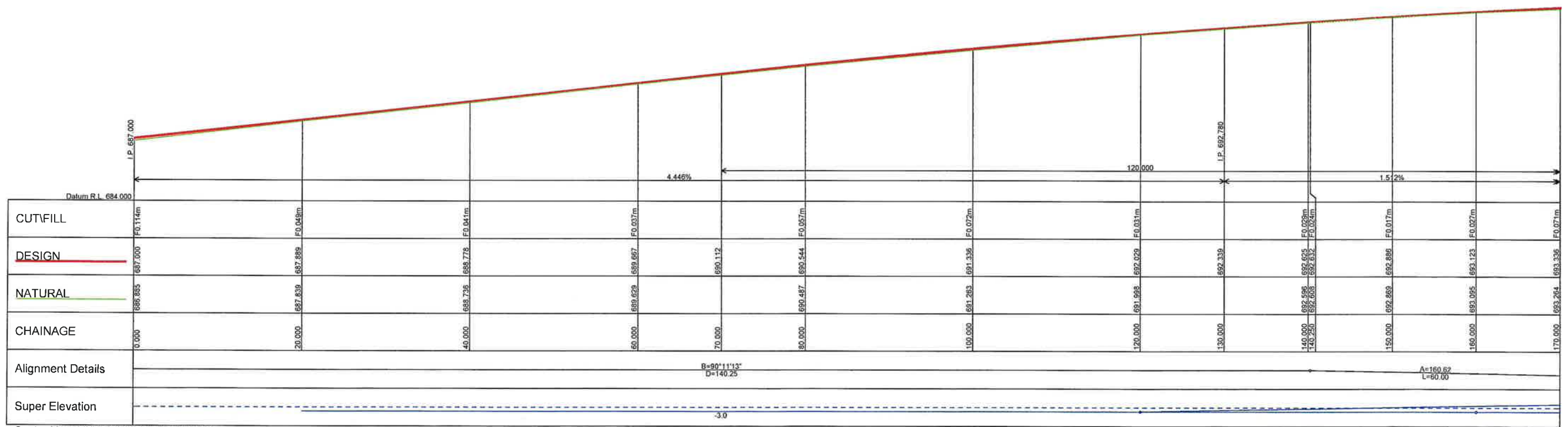
NOTE
FOR GENERAL NOTES AND LEGEND REFER TO PLAN SHEET 1 OF 5

WARNING
FIBRE OPTIC CABLE AND
OVERHEAD POWER
LOCATED WITHIN THE
LIMIT OF WORKS

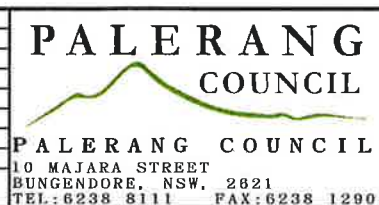


SCALE (A1 OR 624) 		SURVEYED _____ DATE _____ DESIGNED PS DATE Feb 2013 DRAWN TM DATE Feb 2013 CHECKED TCP DATE Feb 2013		PRELIMINARY ISSUE AMENDMENT		PALERANG COUNCIL 10 MAJARA STREET BUNGENDORE, NSW, 2621 TEL: 6238 8111 FAX: 6238 1290		PROJECT: MACS REEF ROAD RECONSTRUCTION FROM 'BANKERS ROAD' TO 'NEWINGTON ROAD'		CIVILCAD FILE NO. CADRA DRAWING NO. JOB No. TITLE: PLAN - SHEET 3 OF 5		SHEET 0
A.H.D. M.G.A.												





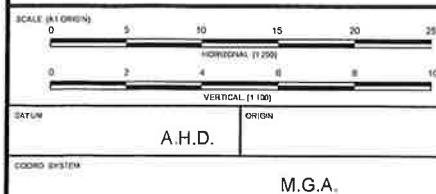
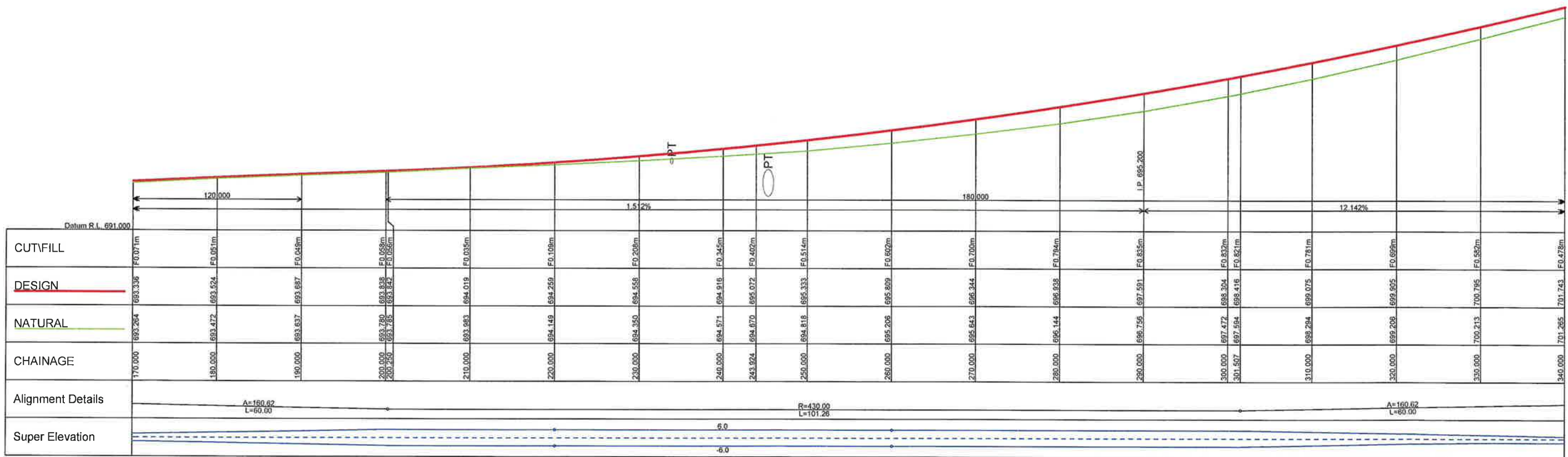
SURVEYED	DATE				
DESIGNED	PS	DATE	Feb 2013		
DRAWN	TM	DATE	Feb 2013		
CHECKED	TCP	DATE	Feb 2013		
0		ISSUED FOR COMMENTS		TM	11.02.13
No		AMENDMENT		BY	DATE



PROJECT:

MAC'S REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

CIVILCAD FILE No	option 1_2lane_2way_15ch.ccd	SHEET	1/36
CADR DRAWING No	06008_design.dwg		
JOB No			
TITLE	LONGITUDINAL SECTIONS - SHEET 1 OF 11	REV	0



SURVEYED _____ DATE _____

DESIGNED PS DATE Feb 2013

DRAWN TM DATE Feb 2013

CHECKED TCP DATE Feb 2013

0 ISSUED FOR COMMENTS

No AMENDMENT

TM 11.02.13

BY DATE

PALERANG COUNCIL

PALERANG COUNCIL

10 MAIARA STREET

BUNGENDORE, NSW, 2621

TEL: 6238 8111 FAX: 6238 1290

PROJECT:

MAC'S REEF ROAD RECONSTRUCTION

FROM 'BANKERS ROAD'

TO 'NEWINGTON ROAD'

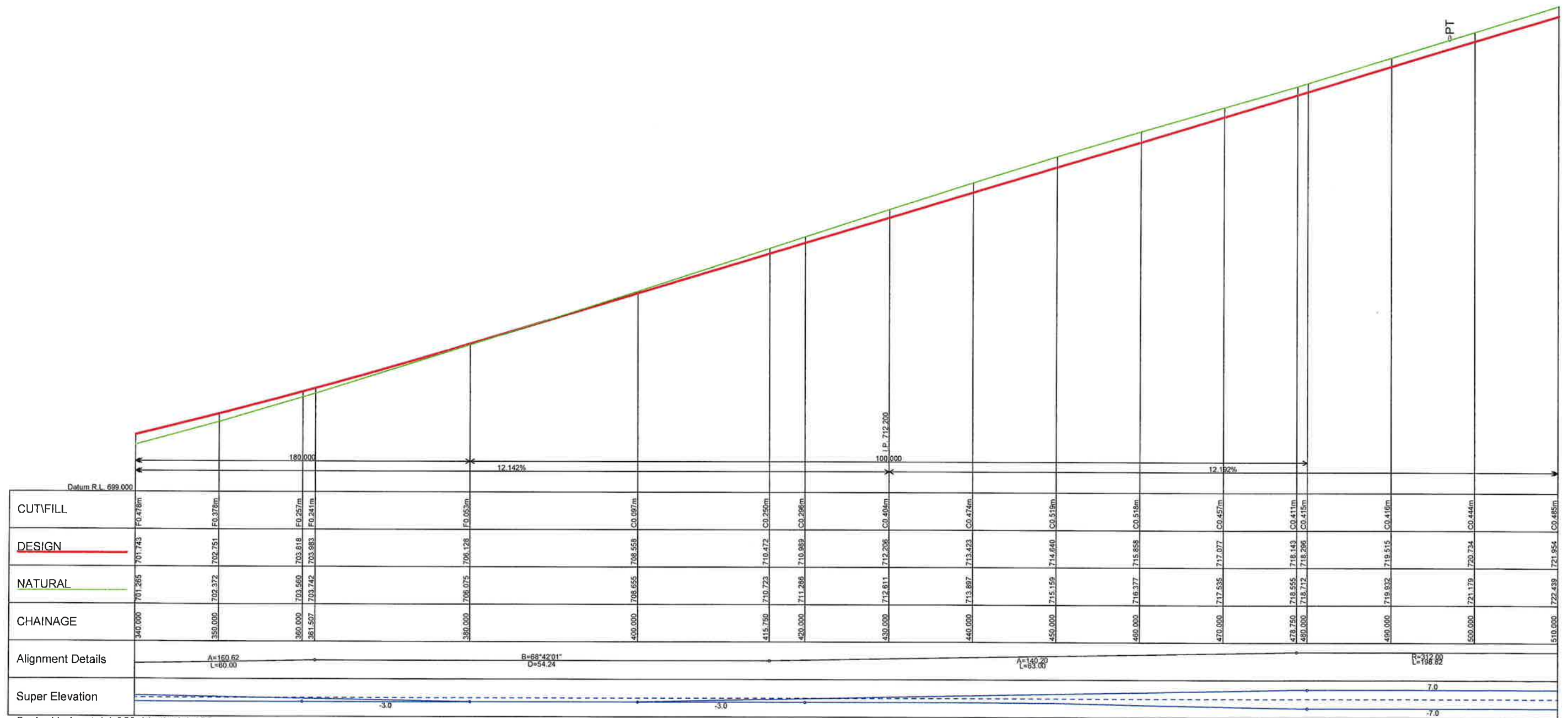
OPTION 1_2lane_2way_1.5h.ccx

06006_design.dwg

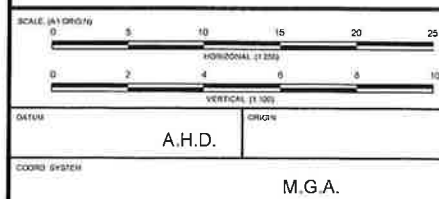
LONGITUDINAL SECTIONS - SHEET 2 OF 11

0

1/36



Scale Horizontal 1:250 Vertical 1:100



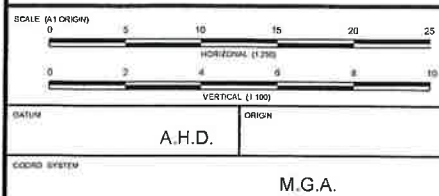
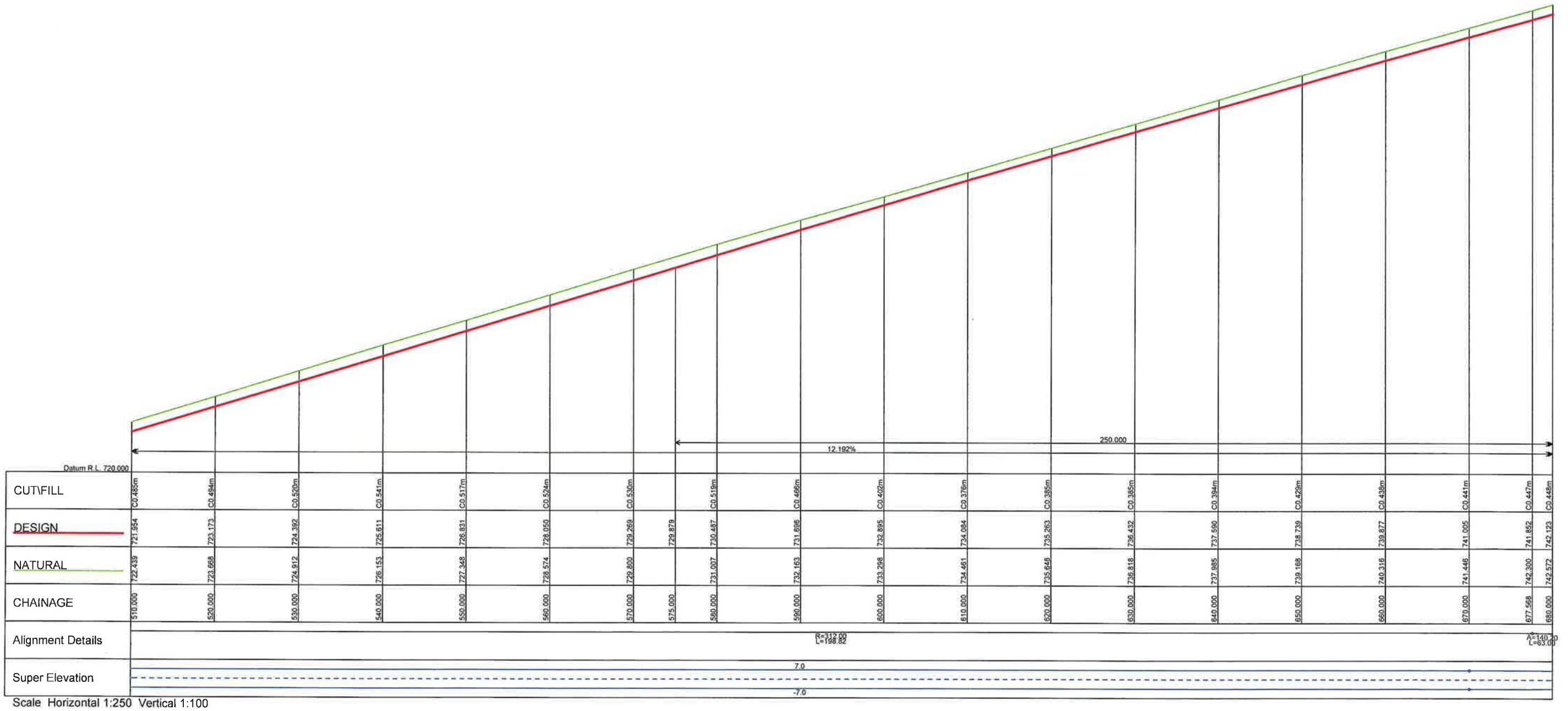
SURVEYED DATE
DESIGNED PS DATE Feb 2013
DRAWN TM DATE Feb 2013
CHECKED TCP DATE Feb 2013

0	ISSUED FOR COMMENTS	TM	11.02.13
BY	DATE		
No	AMENDMENT		

PALERANG COUNCIL
10 MAJARA STREET
BUNGENDORE, NSW, 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:
MAC'S REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

CAD FILE NAME: option_1_lane_2way_15h.ccx
CADD DRAWING NO: 06008_design.dwg
JOB NO:
TITLE: LONGITUDINAL SECTIONS - SHEET 3 OF 11
SHEET: 1/36
REV: 0



SURVEYED _____ DATE _____

DESIGNED PS DATE Feb 2013

DRAWN TM DATE Feb 2013

CHECKED TCP DATE Feb 2013

0 ISSUED FOR COMMENTS

11.02.13

AMENDMENT

TM

BY DATE

PALERANG COUNCIL

10 MAJARA STREET
BUNGENDORE, NSW, 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:

MAC'S REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

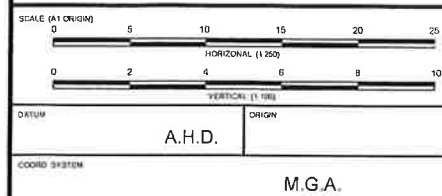
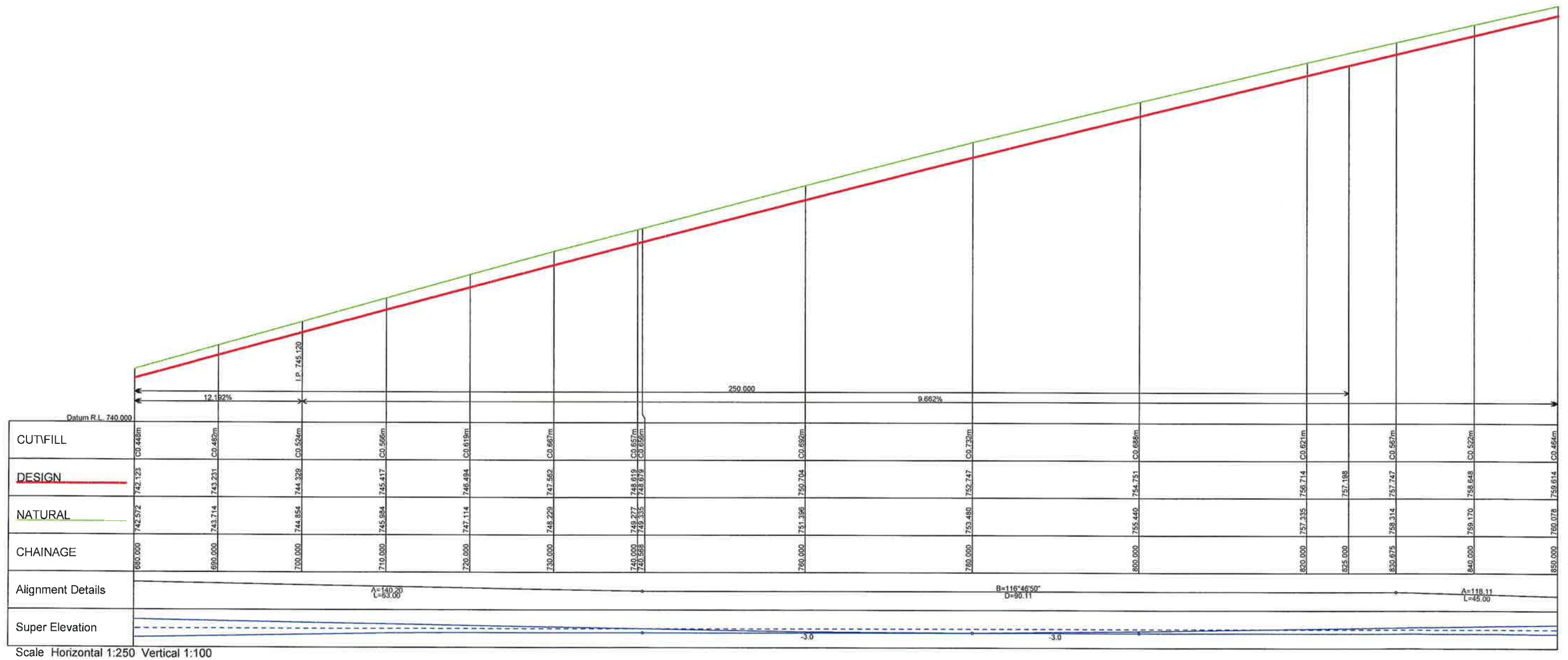
CIVILCAD FILE No option 1_2lane_2way_15h.ccd

DRAWING No 06008_design.dwg

TITLE: LONGITUDINAL SECTIONS - SHEET 4 OF 11

SHEET 1/36

REV: 0



SURVEYED _____ DATE _____

DESIGNED PS DATE Feb 2013

DRAWN TM DATE Feb 2013

CHECKED TCP DATE Feb 2013

ISSUED FOR COMMENTS

AMENDMENT

TM 11.02.13

BY DATE

PALERANG COUNCIL

10 MAJARA STREET
BUNGENDORE, NSW, 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:

MAC'S REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

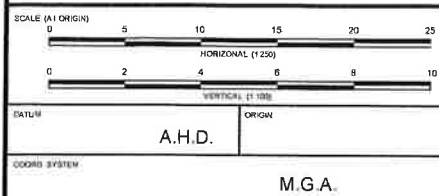
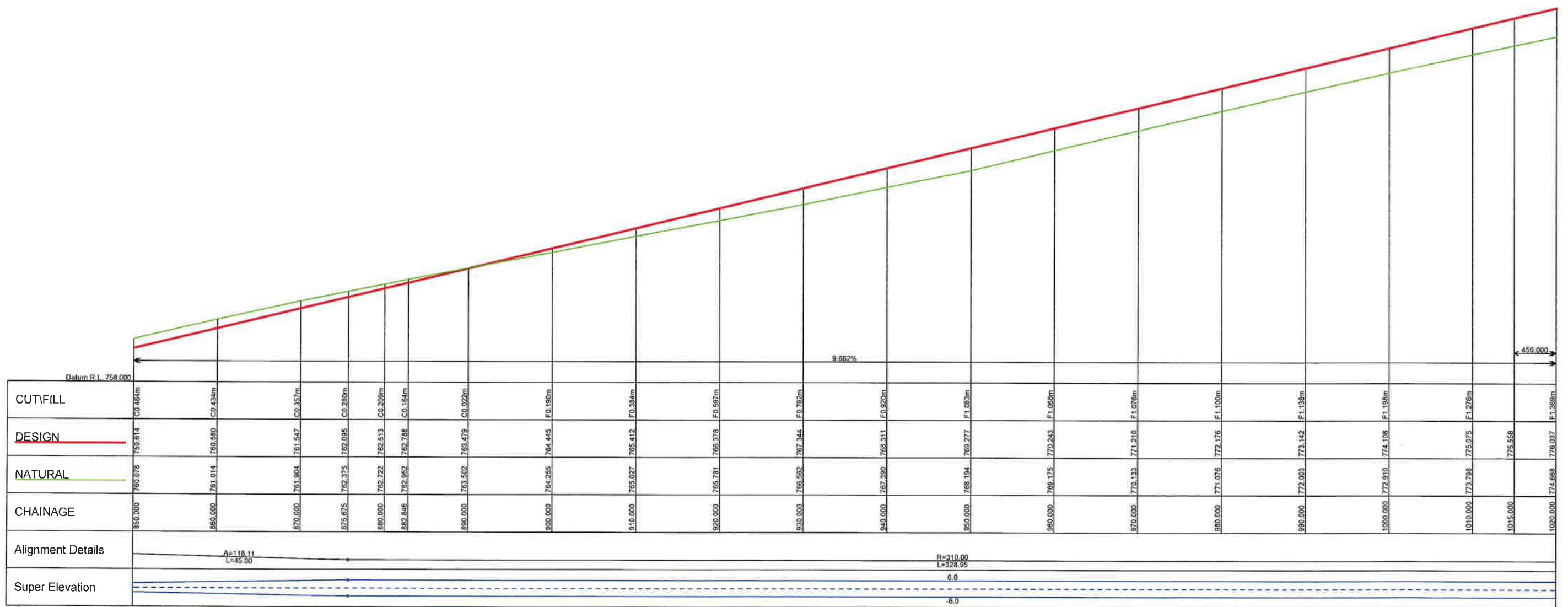
option 1_2lane_2way_15ch.ccx

06008_design.dwg

LONGITUDINAL SECTIONS - SHEET 5 OF 11

1/36

0



SURVEYED _____ DATE _____

DESIGNED PS DATE Feb 2013

DRAWN TM DATE Feb 2013

CHECKED TCP DATE Feb 2013

0	ISSUED FOR COMMENTS	TM	11.02.13
No	AMENDMENT	BY	DATE

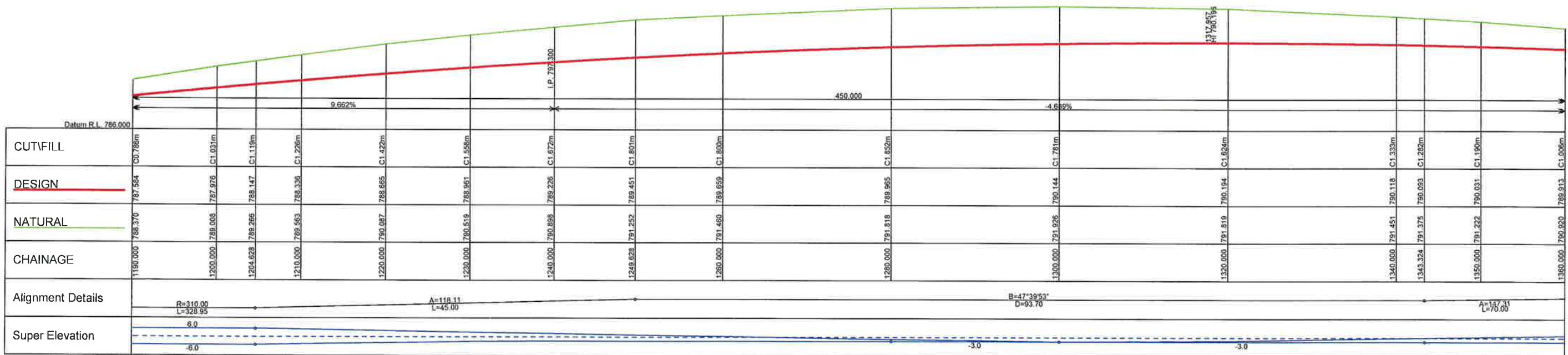
PALERANG COUNCIL

10 MAJARA STREET
BUNGENDORE, NSW, 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:

MAC'S REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

CHIEF DESIGNER	option 1_2lane_2way_15h.ccx	SHEET	1/36
CADRE DRAWING NO	06008_design.dwg	REV	0
TITLE	LONGITUDINAL SECTIONS - SHEET 6 OF 11		



Scale Horizontal 1:250 Vertical 1:100

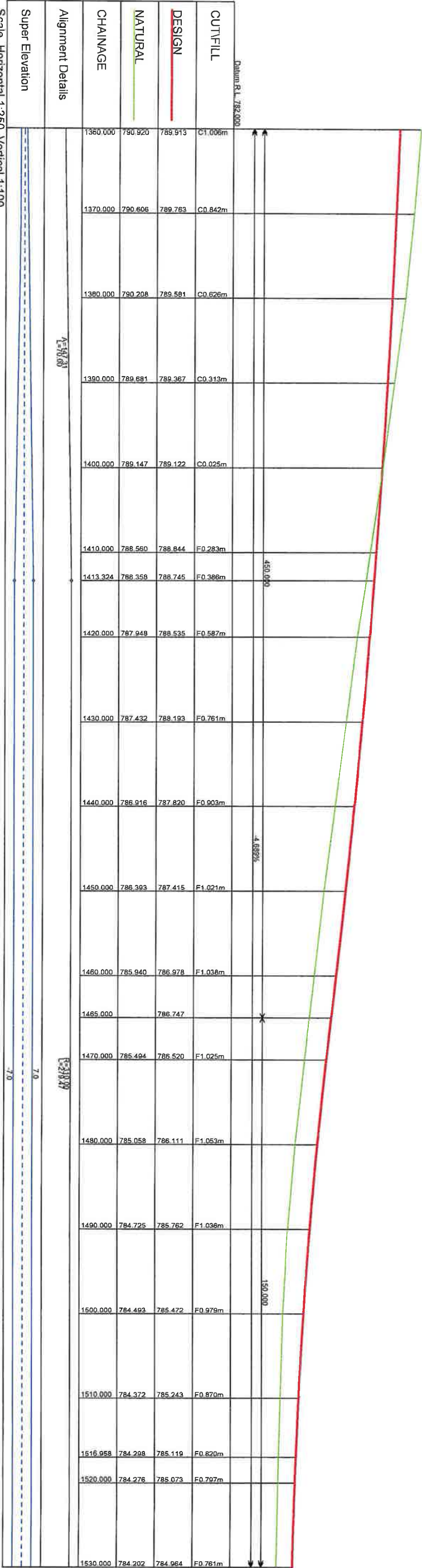
SCALE (M/1000): 0 5 10 15 20 25
HORIZONTAL (1:250)
0 2 4 6 8 10
VERTICAL (1:100)
DATUM A.H.D.
COORD SYSTEM M.G.A.

SURVEYED	DATE				
DESIGNED	PS	DATE	Feb 2013		
DRAWN	TM	DATE	Feb 2013		
CHECKED	TCP	DATE	Feb 2013		
ISSUED FOR COMMENTS		TM	11.02.13		
AMENDMENT		BY	DATE		

PALERANG COUNCIL
10 MAJARA STREET
BUNGENDORE, NSW, 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:
MAC'S REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

CIVILCAD FILE No	option 1_2lane_2way_1Sel.docx	SHEET	1/36
CADD DRAWING No	06008_design.dwg	REV.	0
TITLE:	LONGITUDINAL SECTIONS - SHEET 8 OF 11		



Scale Horizontal 1:250 Vertical 1:100

Scale 0 to 30
0 5 10 15 20 25 30
Horizontal (1:250)
0 2 4 6 8 10
Vertical (1:100)

DATE: _____
SURVEYED: _____
DESIGNED: _____
DRAWN: _____
CHECKED: _____
A.H.D. _____
M.G.A. _____

DATE: _____
DESIGNED: _____
DRAWN: _____
CHECKED: _____
A.H.D. _____
M.G.A. _____

DATE: _____
DESIGNED: _____
DRAWN: _____
CHECKED: _____
A.H.D. _____
M.G.A. _____

DATE: _____
DESIGNED: _____
DRAWN: _____
CHECKED: _____
A.H.D. _____
M.G.A. _____

DATE: _____
DESIGNED: _____
DRAWN: _____
CHECKED: _____
A.H.D. _____
M.G.A. _____

DATE: _____
DESIGNED: _____
DRAWN: _____
CHECKED: _____
A.H.D. _____
M.G.A. _____

DATE: _____
DESIGNED: _____
DRAWN: _____
CHECKED: _____
A.H.D. _____
M.G.A. _____

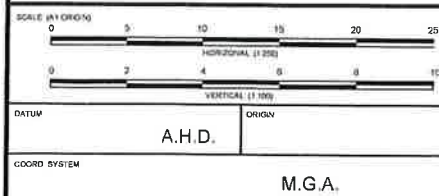
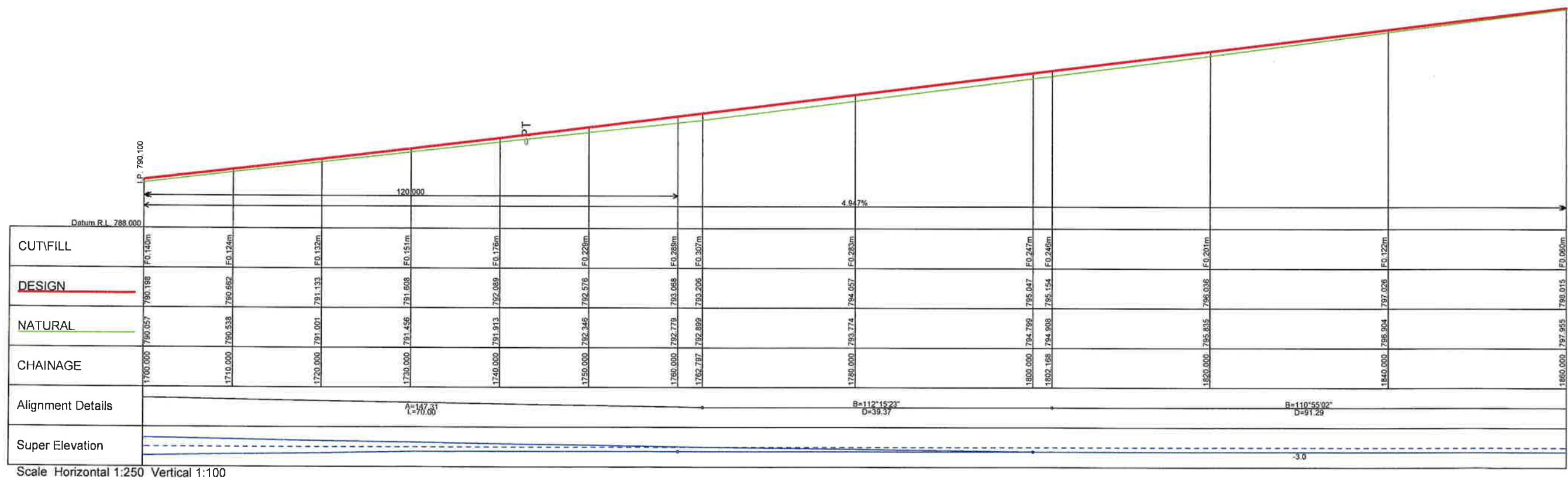
PALE RANG COUNCIL
10 MAJARA STREET
BUNGENDORE NSW, 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:
MAC'S REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

OPTION 1, 2 lane, 2 way, 1.5m c/c
09009_drawing.dwg
LONGITUDINAL SECTIONS - SHEET 9 OF 11

1/36

0



SURVEYED	DATE
DESIGNED	PS DATE Feb 2013
DRAWN	TM DATE Feb 2013
CHECKED	TCP DATE Feb 2013

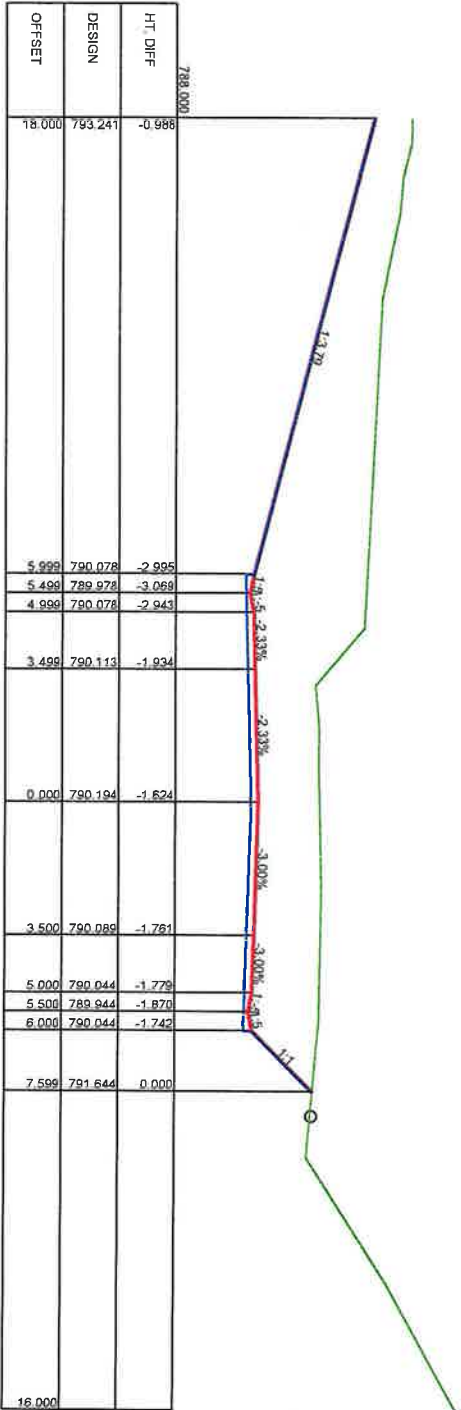
ISSUED FOR COMMENTS	TM	11.02.13
AMENDMENT	BY	DATE

PALERANG COUNCIL

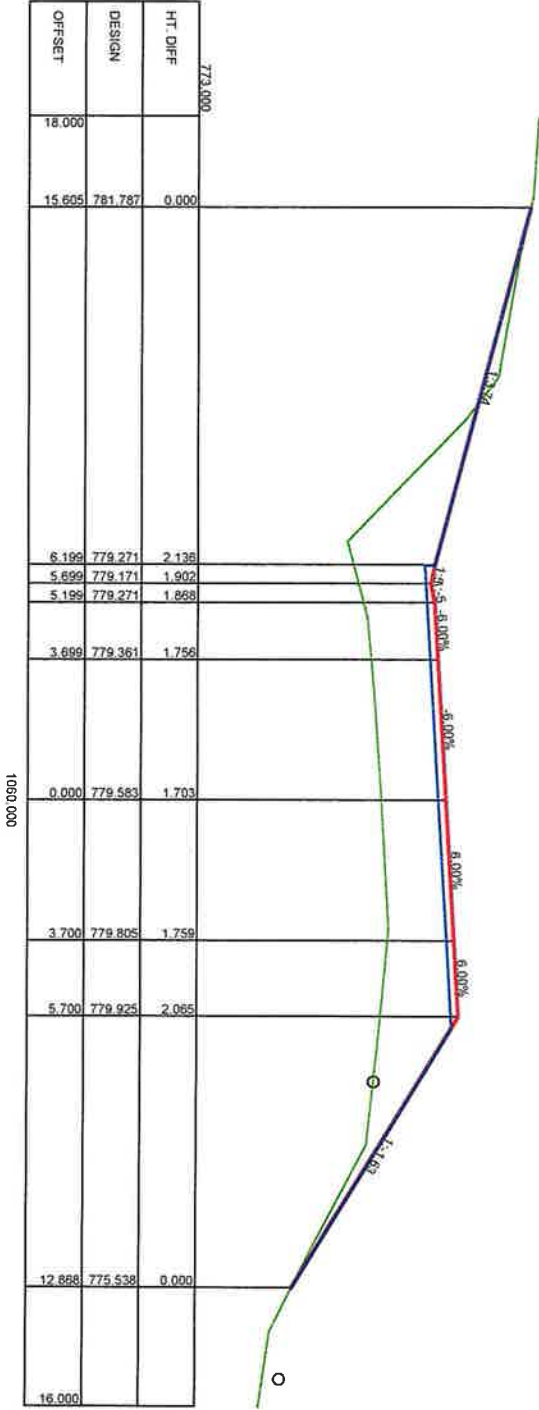
10 MAJARA STREET
BUNGENDORE, NSW, 2821
TEL: 6238 8111 FAX: 6238 1290

PROJECT: MAC'S REEF ROAD RECONSTRUCTION FROM 'BANKERS ROAD' TO 'NEWINGTON ROAD'

CAD FILE NAME	option_1_lane_2way_1.5h.ccx	SHEET	1/36
CAD FILE NAME	00008_design.dwg		
TITLE	LONGITUDINAL SECTIONS - SHEET 11 OF 11	REV	0



HT DIFF	-0.988	-2.995	-3.068	-2.943	-1.834	-1.624	-1.781	-1.778	-1.870	-1.742	0.000
DESIGN	793.241	790.078	789.978	790.078	790.113	790.194	790.088	790.044	789.944	790.044	791.644
OFFSET	18.000	5.999	5.499	4.899	3.499	0.000	3.500	5.000	5.500	6.000	7.599



HT DIFF	0.000	2.138	1.902	1.868	1.758	1.703	1.759	2.085	0.000
DESIGN	781.787	779.271	779.171	779.271	779.361	779.583	779.805	779.925	775.538
OFFSET	18.000	15.605	6.189	5.699	5.199	3.699	0.000	3.700	5.700

SCALE: 1:1000

0 2 4 6 8 10

HORIZONTAL (1:100)

0 2 4 6 8 10

VERTICAL (1:100)

DATE: _____

A.H.D.

COORD SYSTEM: _____

SURVEYED _____ DATE: _____

DESIGNED _____ PS DATE: Feb 2013

DRAWN _____ TM DATE: Feb 2013

CHECKED _____ DATE: _____

No: _____

AMENDMENT: _____

BY: _____

DATE: 21.03.13

PALE RANG COUNCIL

10 MAJARA STREET
BUNGENDORE NSW, 2621
TEL: 6238 8111 FAX: 6238 1290

PROJECT:

MAC'S REEF ROAD RECONSTRUCTION
FROM 'BANKERS ROAD'
TO 'NEWINGTON ROAD'

OPTION: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

00008 Design.dwg

TITLE: CROSS SECTIONS

REV: 0