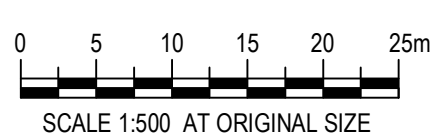


- NOTES:**
- FOR LEGEND REFER TO DRG ARCTN1100013010.
 - FOR GENERAL NOTES REFER TO DRG ARCTN1100013020.
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 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Signed:					
Approval Date	06.08.10	ISSUED FOR CONSTRUCTION	M.J.W	D.W*	G.W*
Rev	Date	Revision Description	Drawn	Checked	Approv.

Designing Company:
GHD
GHD Job Number:
22-14630

Drawn
M.WRIGHT

Drafting Check
M.DERWIN*

Address:
Level 3 GHD Tower, 24 Honeysuckle Drive
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P 61 2 4941 2706
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Designed
R.STEPHENS

Design Check
P.PIGRAM*

Approved
G.WICKENS*

Date
06.08.2010

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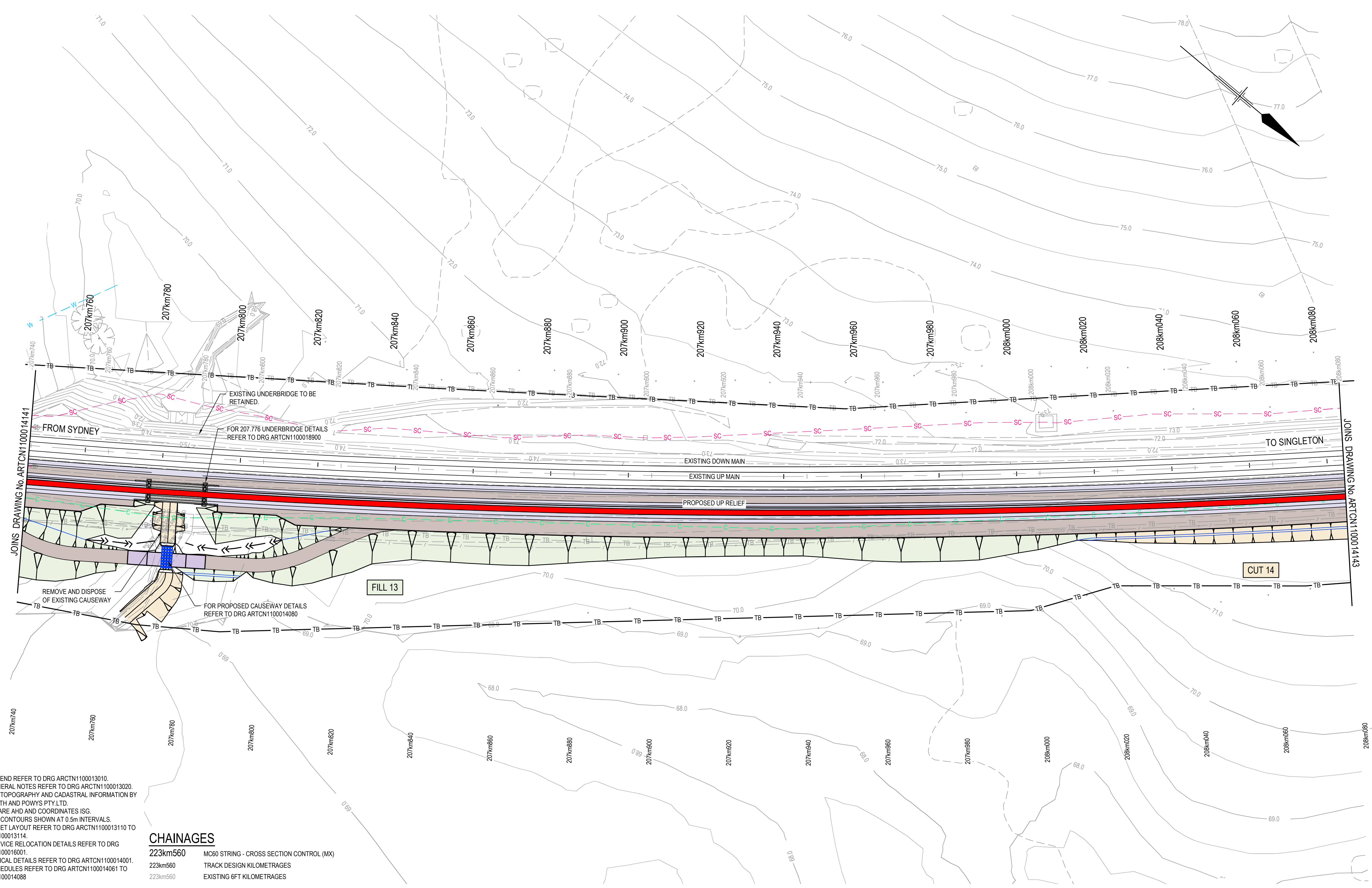
ARTC DWG NUMBER 0

ARTCN1100014142

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
207km740 TO 208km080

Sheet No.
42 of 91
Scale (A1):
1:500

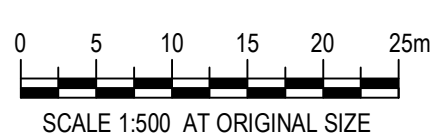
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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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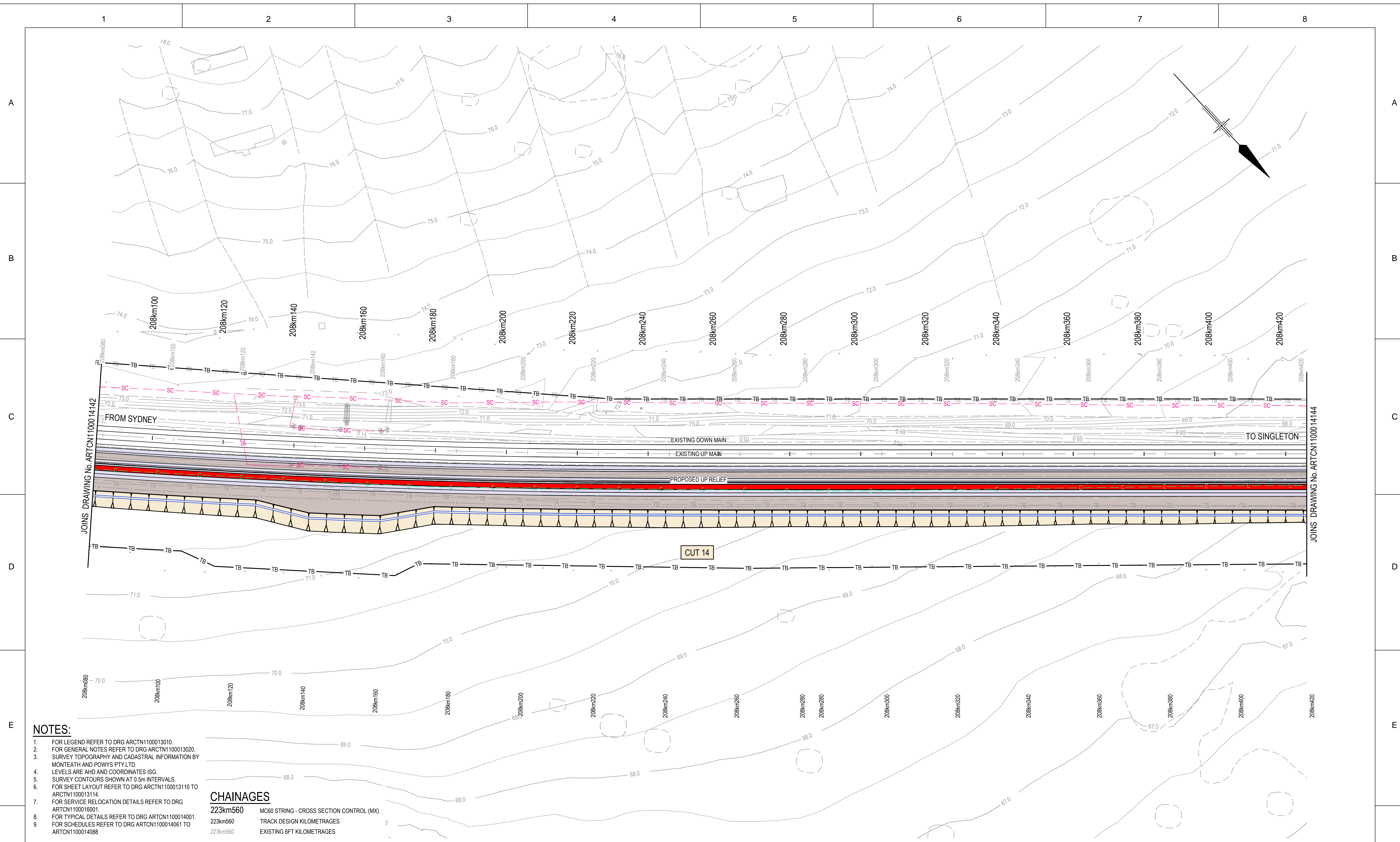
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Approval Date	06.08.10	ISSUED FOR CONSTRUCTION	M.J.W	D.W*	G.W*
Rev	Date	Revision Description	Drawn	Checked	Approv.

Designing Company:	GHD	Address:	Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2706 W www.hunter8alliance.com.au
GHD Job Number:	22-14630	Drawn:	M.WRIGHT
		Designed:	R.STEPHENS
		Drafting Check:	M.DERWIN*
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ARTCN1100014142	
MAITLAND TO MINIMBAH - THIRD TRACK GENERAL ARRANGEMENT 207km740 TO 208km080	
Sheet No.	42 of 91
Scale (A1):	1:500

PLOT DATE: 10 August 2010 4:02 PM. PLOTTED BY: MWR11
GHD FILE PATH: G:\2010\142\Drawings\Subarea\ARTCN100014142.dwg



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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
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Rev	Date	Revision Description	Drawn	Checked	Approv.

Designing Company: GHD GHD Job Number: 22-14630	Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2706 W www.hunter8alliance.com.au
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Approved G.WICKENS*	Date 06.08.2010

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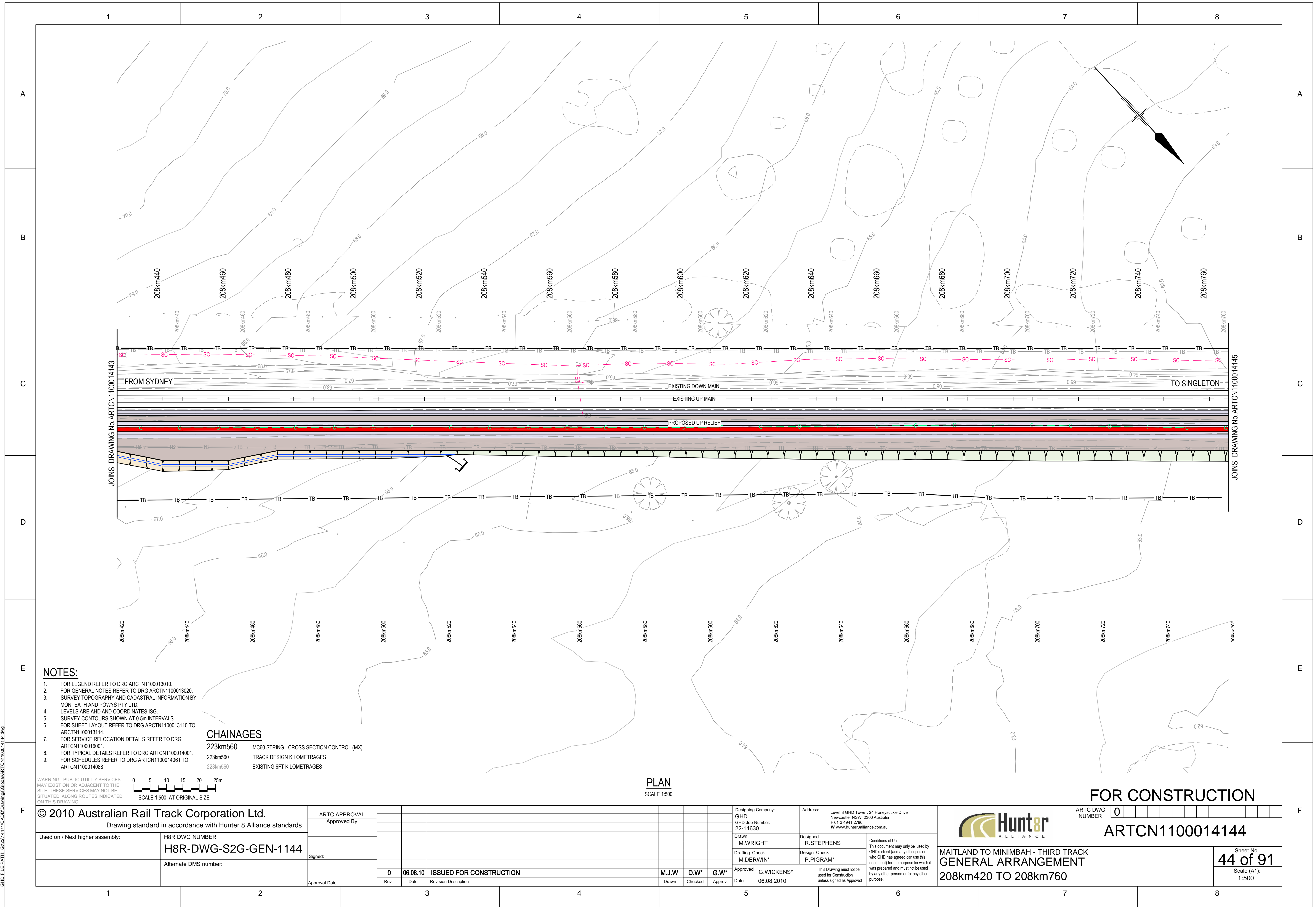
ARTC DWG NUMBER 0

ARTCN1100014143

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
208km080 TO 208km420

Sheet No.
43 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:04 PM PLOTTED BY: MWR1 GHD FILE PATH: G:\2010\1143\Drawings\Subarea\ARTCN1100014143.dwg



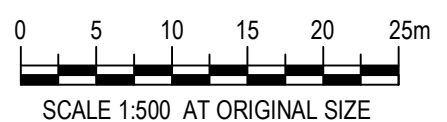
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JOINS DRAWING No. ARTCN1100014145

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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Rev	Date	Revision Description	Drawn	Checked	Approv.

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Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 06.08.2010

ARTC DWG NUMBER 0

ARTCN1100014144

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
208km420 TO 208km760

Sheet No.
44 of 91

Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:05 PM PLOTTED BY: MWR1
GHD FILE PATH: G:\2010\14630\Drawings\Sub\ARTCN1100014144.dwg

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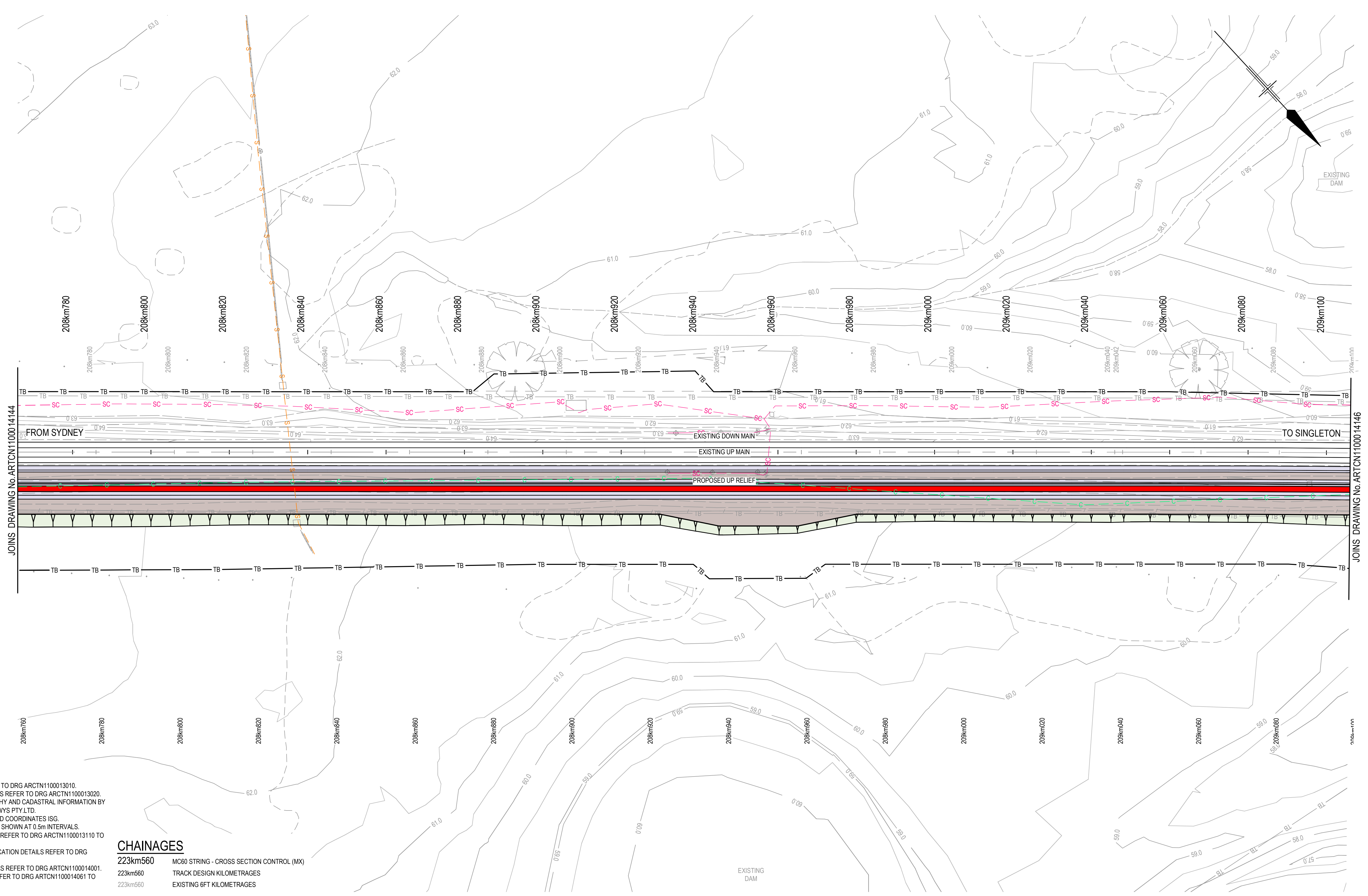
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JOINS DRAWING No. ARTCN1100014144

JOINS DRAWING No. ARTCN1100014146

- NOTES:**
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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES	
223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



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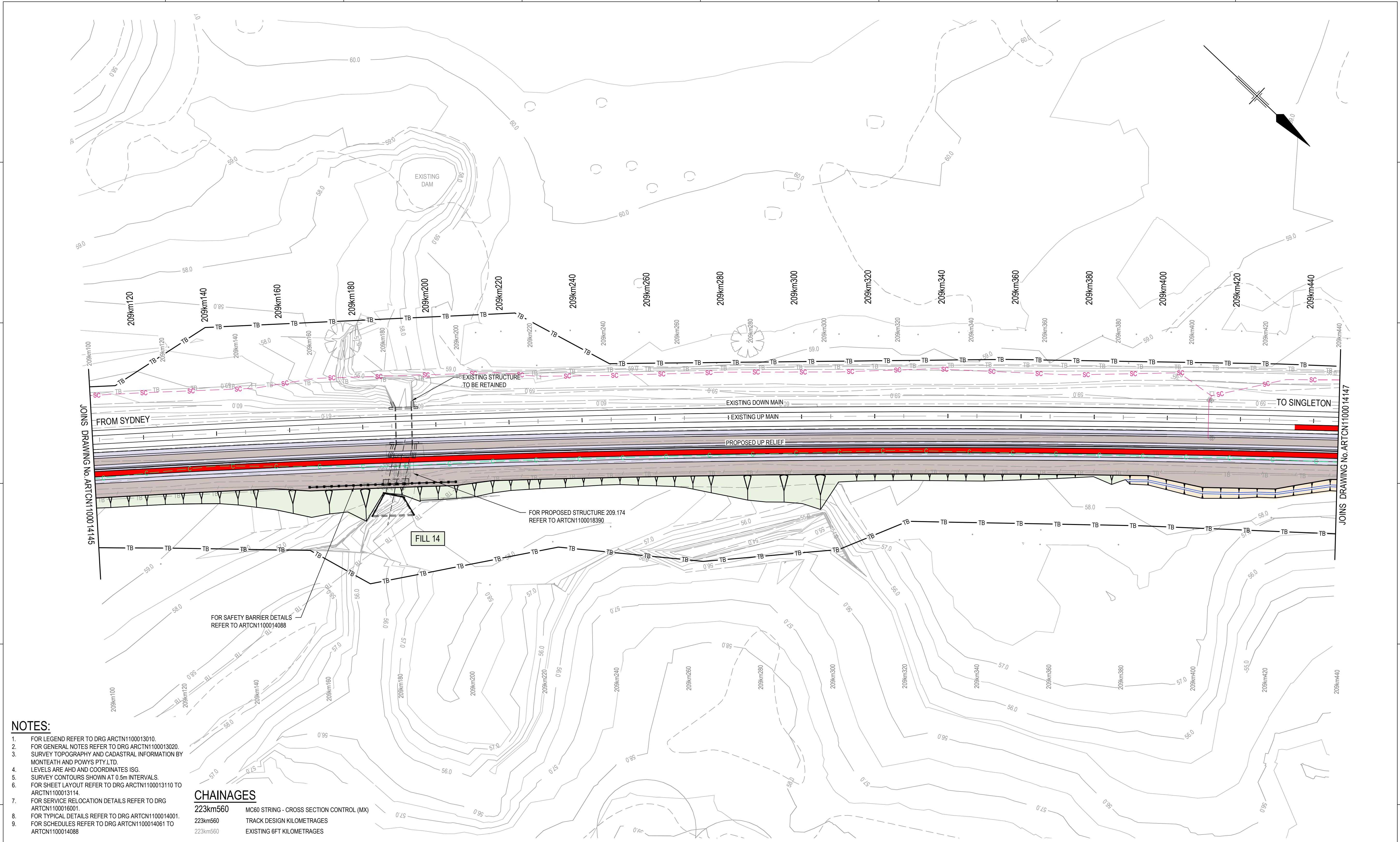
ARTC APPROVAL Approved By					
Signed:					
Approval Date					
Rev	Date	Revision Description	Drawn	Checked	Approved
0	06.08.10	ISSUED FOR CONSTRUCTION	M.J.W	D.W*	G.W*

Designing Company: GHD GHD Job Number: 22-14630		Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2706 W www.hunter8alliance.com.au	
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		ARTC DWG NUMBER 0
ARTCN1100014145		
MAITLAND TO MINIMBAH - THIRD TRACK GENERAL ARRANGEMENT 208km760 TO 209km100		Sheet No. 45 of 91 Scale (A1): 1:500

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PLOT DATE: 10 August 2010 4:08 PM. PLOTTED BY: MWR1 GHD FILE PATH: G:\2010\11\14\100014145.dwg



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 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Drawn D.CRANE	Designed R.STEPHENS
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ARTCN1100014146

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MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
209km100 TO 209km440

Sheet No.
46 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:08 PM. PLOTTED BY: MWR1
GHD FILE PATH: G:\2011\14630\Drawings\Subarea\ARTCN1100014146.dwg

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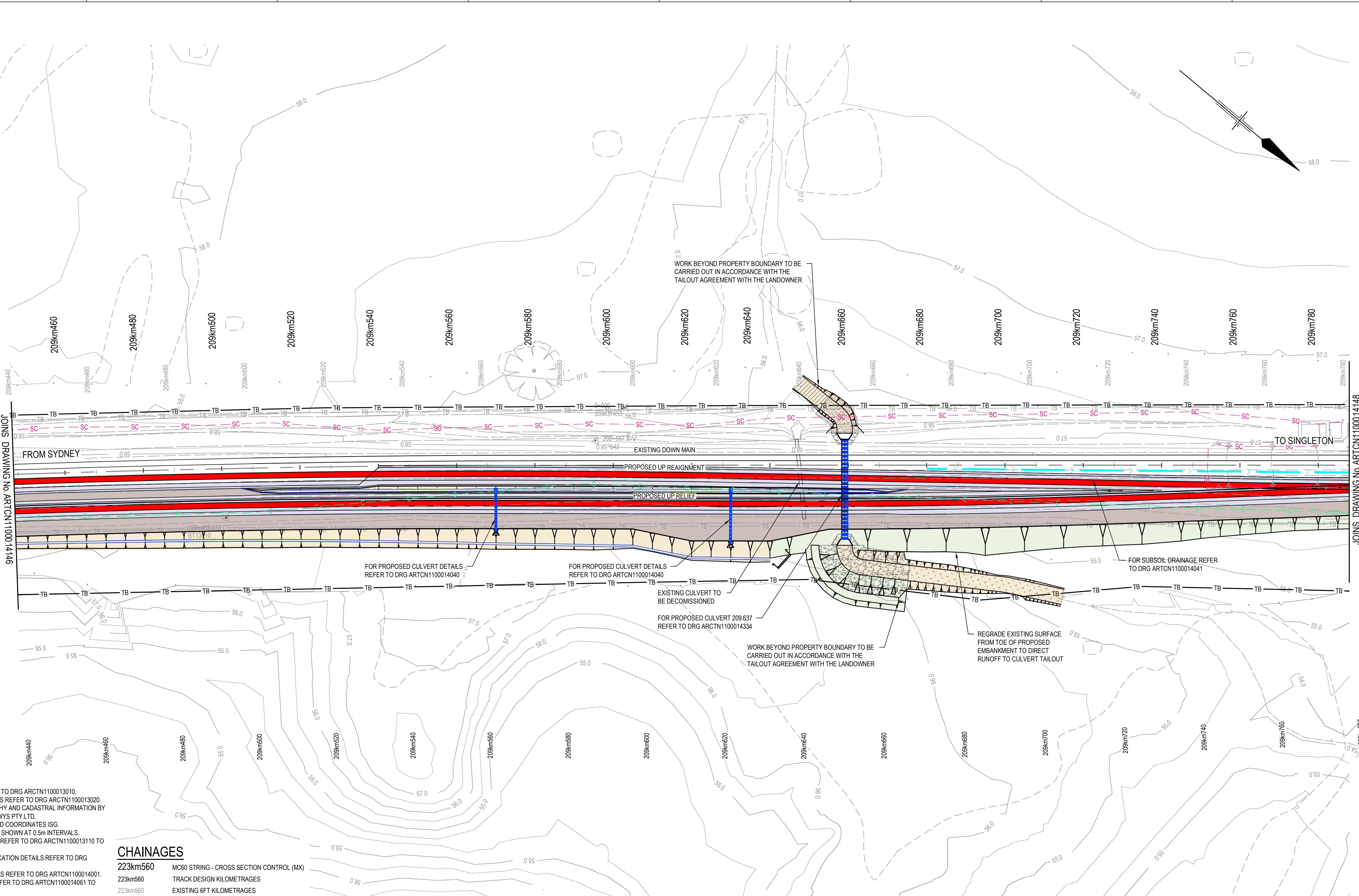
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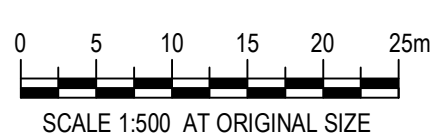
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JOINS DRAWING NO. ARTCN1100014148

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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
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CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES




PLAN
SCALE 1:500

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Designing Company: GHD GHD Job Number: 22-14630	Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2706 W www.hunter8alliance.com.au
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Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 06.08.2010



ARTC DWG NUMBER 0

ARTCN1100014147

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
209km440 TO 209km780

Sheet No.
47 of 91

Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:09 PM. PLOTTED BY: MWR11
GHD FILE PATH: G:\2214630\Drawings\Subarea\ARTCN1100014147.dwg

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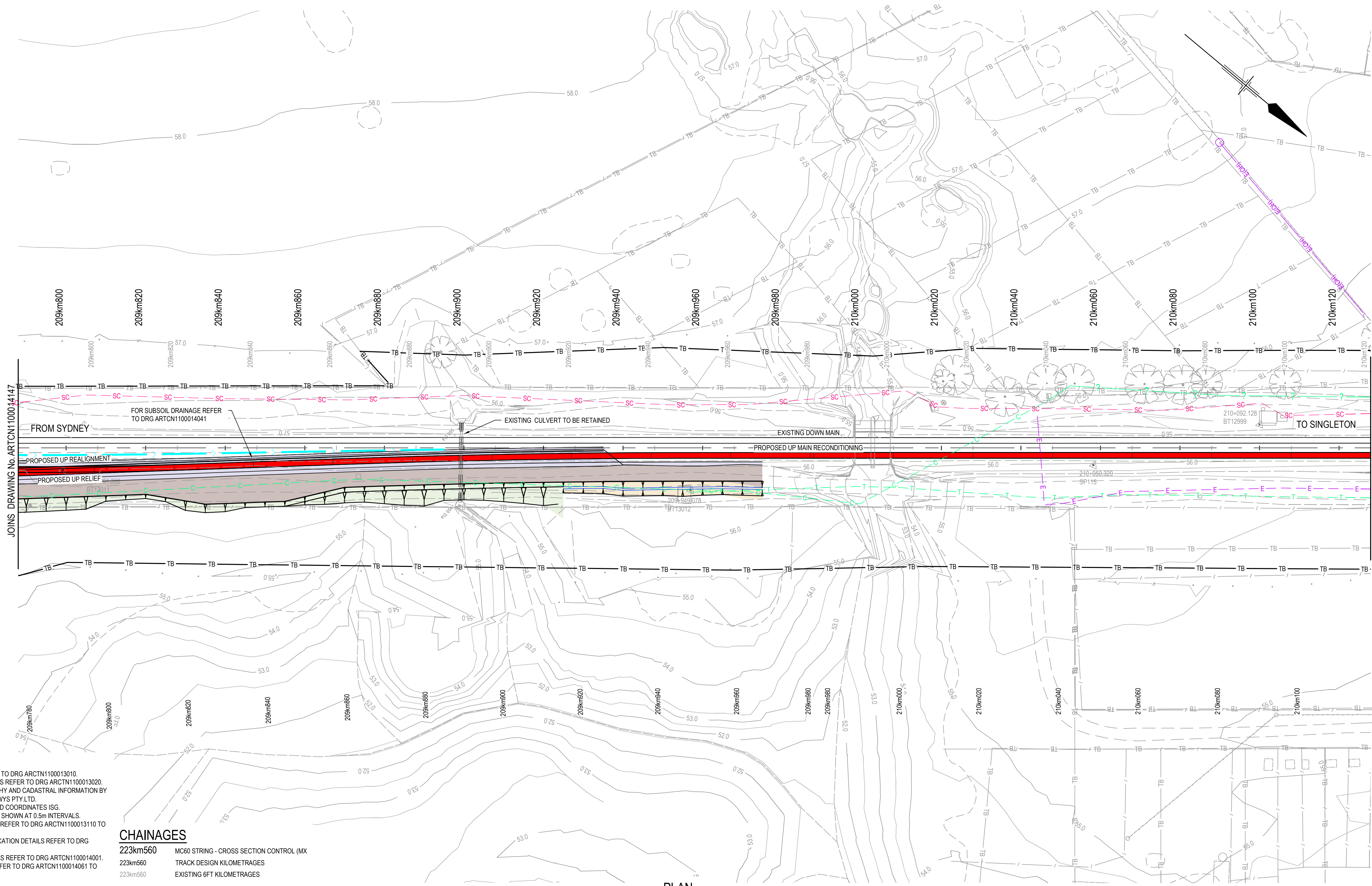
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JOINS DRAWING No. ARTCN1100014147

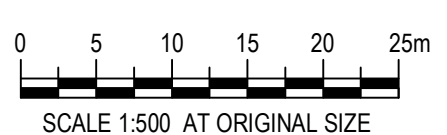
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1. FOR LEGEND REFER TO DRG ARTCN1100013010.
 2. FOR GENERAL NOTES REFER TO DRG ARTCN1100013020.
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 8. FOR TYPICAL DETAILS REFER TO DRG ARTCN1100014001.
 9. FOR SCHEDULES REFER TO DRG ARTCN1100014061 TO ARTCN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Signed:					
Approval Date	Rev	Date	Revision Description	Drawn	Checked

0	06.08.10	ISSUED FOR CONSTRUCTION	M.J.W	D.W*	G.W*
Approved	Date				

Designing Company:
GHD
GHD Job Number:
22-14630

Drawn
M.WRIGHT

Designed
R.STEPHENS

Drafting Check
M.DERWIN*

Approved
G.WICKENS*

Date
06.08.2010

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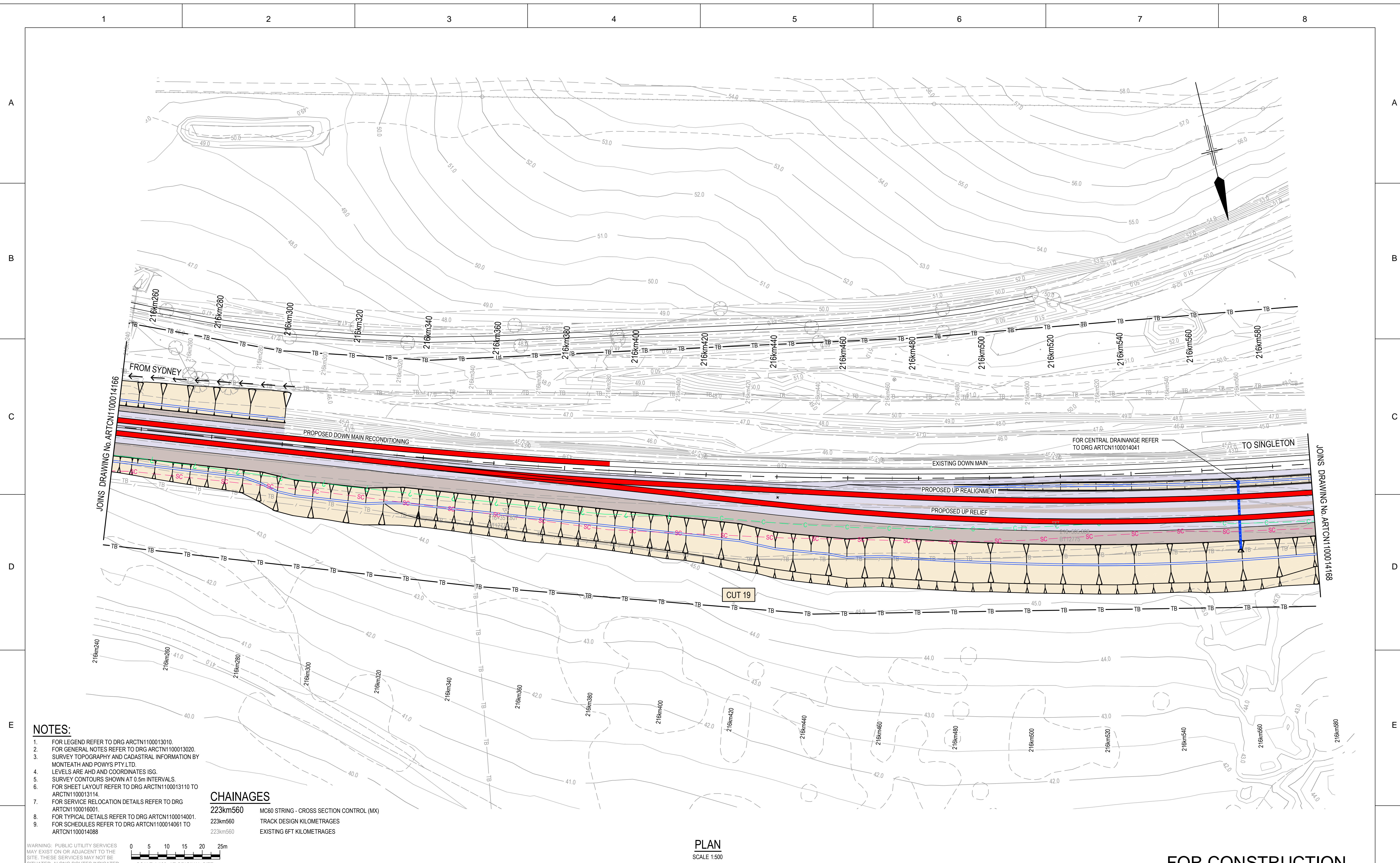
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MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
209km780 TO 210km120

Sheet No.
48 of 91
Scale (A1):
1:500

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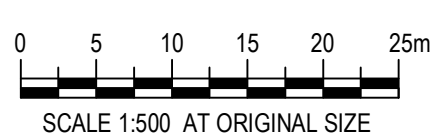
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 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



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SCALE 1:500

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Rev	Date	Revision Description	Drawn	Checked	Approved
			M.J.W	D.W*	G.W*

Designing Company:
GHD
GHD Job Number:
22-14630

Drawn
M.WRIGHT

Design Check
M.DERWIN*

Designed
R.STEPHENS

Design Check
P.PIGRAM*

Approved
G.WICKENS*

Date
10.08.2010

Address:
Level 3 GHD Tower, 24 Honeysuckle Drive
Newcastle NSW 2300 Australia
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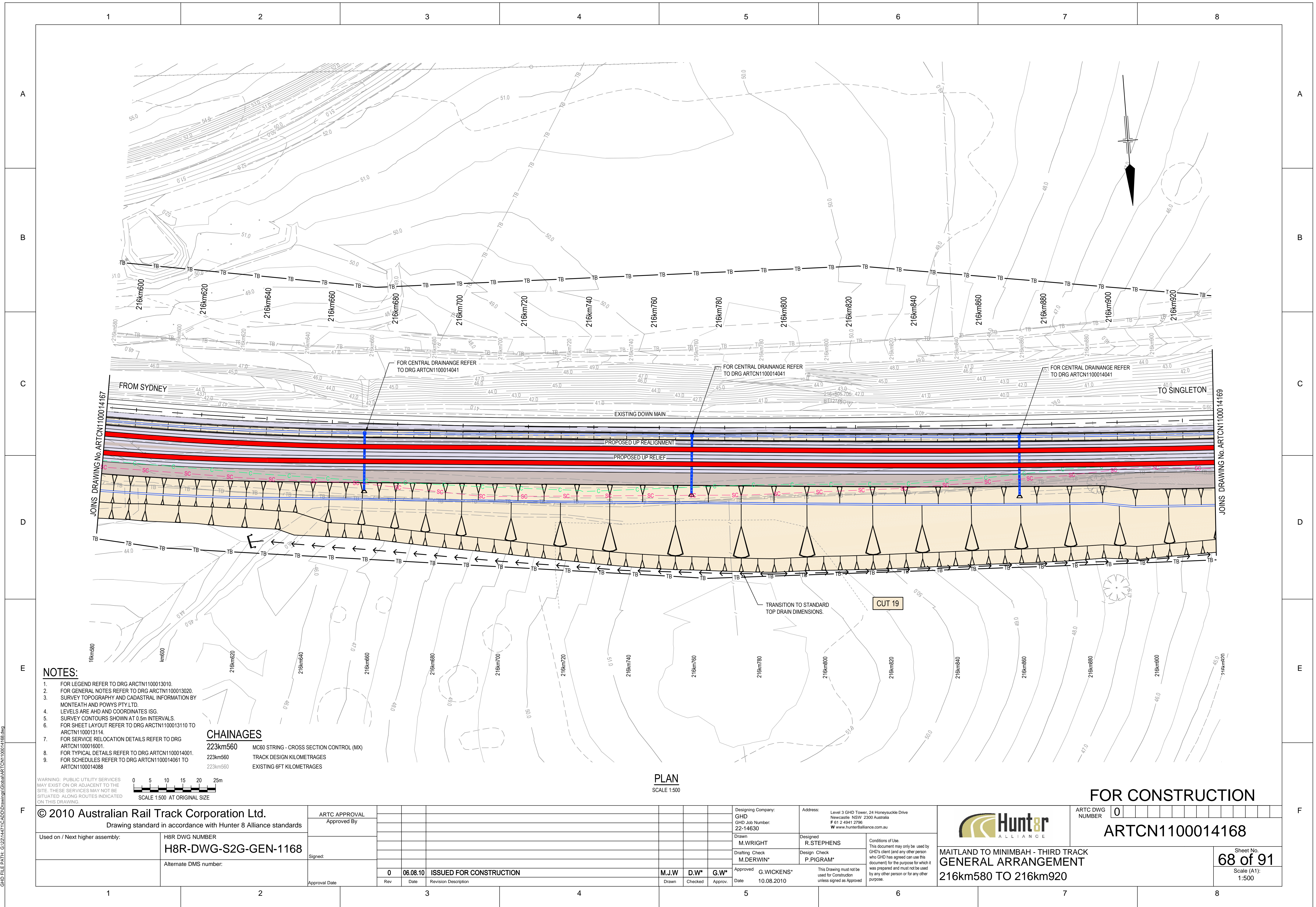
ARTC DWG NUMBER 0

ARTCN1100014167

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
216km240 TO 216km580

Sheet No.
67 of 91
Scale (A1):
1:500

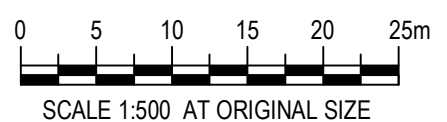
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 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARCTN1100013110 TO ARCTN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Approval Date	06.08.10	ISSUED FOR CONSTRUCTION	M.J.W	D.W*	G.W*
Rev	Date	Revision Description	Drawn	Checked	Approv.

Designing Company: GHD GHD Job Number: 22-14630	Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2706 W www.hunter8alliance.com.au
Drawn M.WRIGHT	Designed R.STEPHENS
Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010

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ARTC DWG NUMBER **0**

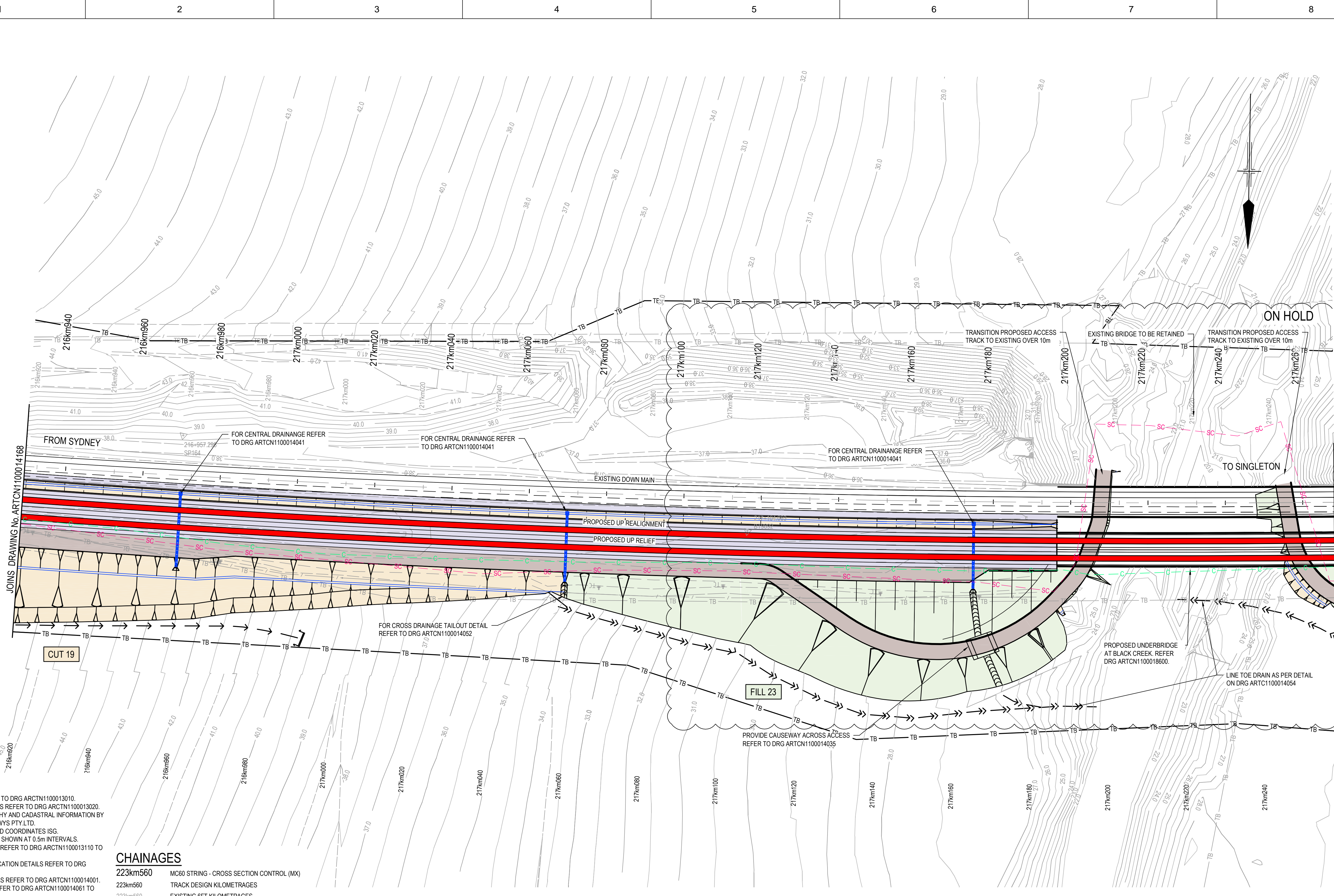
ARTCN1100014168

Hunter ALLIANCE

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
216km580 TO 216km920

Sheet No.
68 of 91
Scale (A1):
1:500

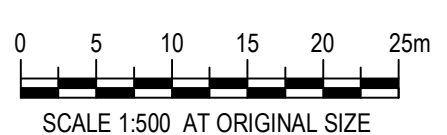
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- NOTES:**
- FOR LEGEND REFER TO DRG ARCTN1100013010
 - FOR GENERAL NOTES REFER TO DRG ARCTN1100013020
 - SURVEY TOPOGRAPHY AND CADASTRAL INFORMATION BY MONTEATH AND POWYS PTY.LTD.
 - LEVELS ARE AHD AND COORDINATES ISG.
 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARCTN1100013110 TO ARCTN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Approval Date	06.08.10	ISSUED FOR CONSTRUCTION	M.J.W	D.W*	G.W*
Rev	Date	Revision Description	Drawn	Checked	Approv.

Designing Company: GHD GHD Job Number: 22-14630	Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2796 W www.hunter8alliance.com.au
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Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010

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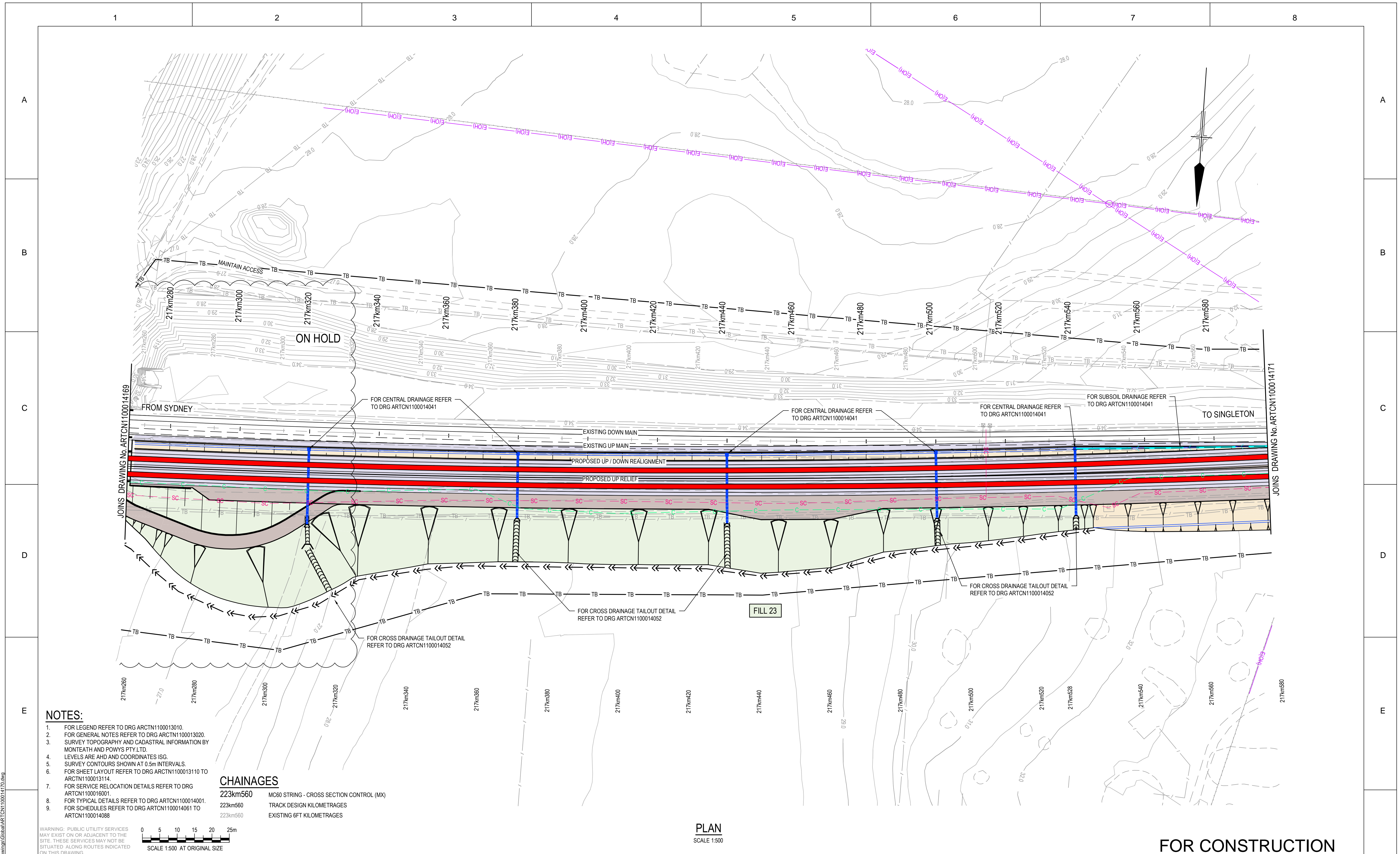
ARTC DWG NUMBER **0**

ARTCN1100014169

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
216km920 TO 217km260

Sheet No.
69 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:15 PM PLOTTED BY: MWR1 GHD FILE PATH: G:\2011\14630\Drawings\Subarea\ARTCN1100014169.dwg



- NOTES:**
- FOR LEGEND REFER TO DRG ARCTN1100013010
 - FOR GENERAL NOTES REFER TO DRG ARCTN1100013020
 - SURVEY TOPOGRAPHY AND CADASTRAL INFORMATION BY MONTEATH AND POWYS PTY.LTD.
 - LEVELS ARE AHD AND COORDINATES ISG.
 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARCTN1100013110 TO ARCTN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

PLAN
SCALE 1:500

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Approval Date		06.08.10		ISSUED FOR CONSTRUCTION	
Rev	Date	Revision Description	Drawn	Checked	Approved
			M.J.W	D.W*	G.W*

Designing Company:
GHD
GHD Job Number:
22-14630

Drawn
M.WRIGHT

Design Check
M.DERWIN*

Designed
R.STEPHENS

Design Check
P.PIGRAM*

Approved
G.WICKENS*

Date
10.08.2010

Address:
Level 3 GHD Tower, 24 Honeysuckle Drive
Newcastle NSW 2300 Australia
P 61 2 4941 2796
W www.hunter8alliance.com.au

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ARTC DWG NUMBER **0**

ARTCN1100014170

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
217km260 TO 217km600

Sheet No.
70 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:16 PM PLOTTED BY: MWR1 GHD FILE PATH: G:\217km260\Drawings\Subarea\ARTCN1100014170.dwg

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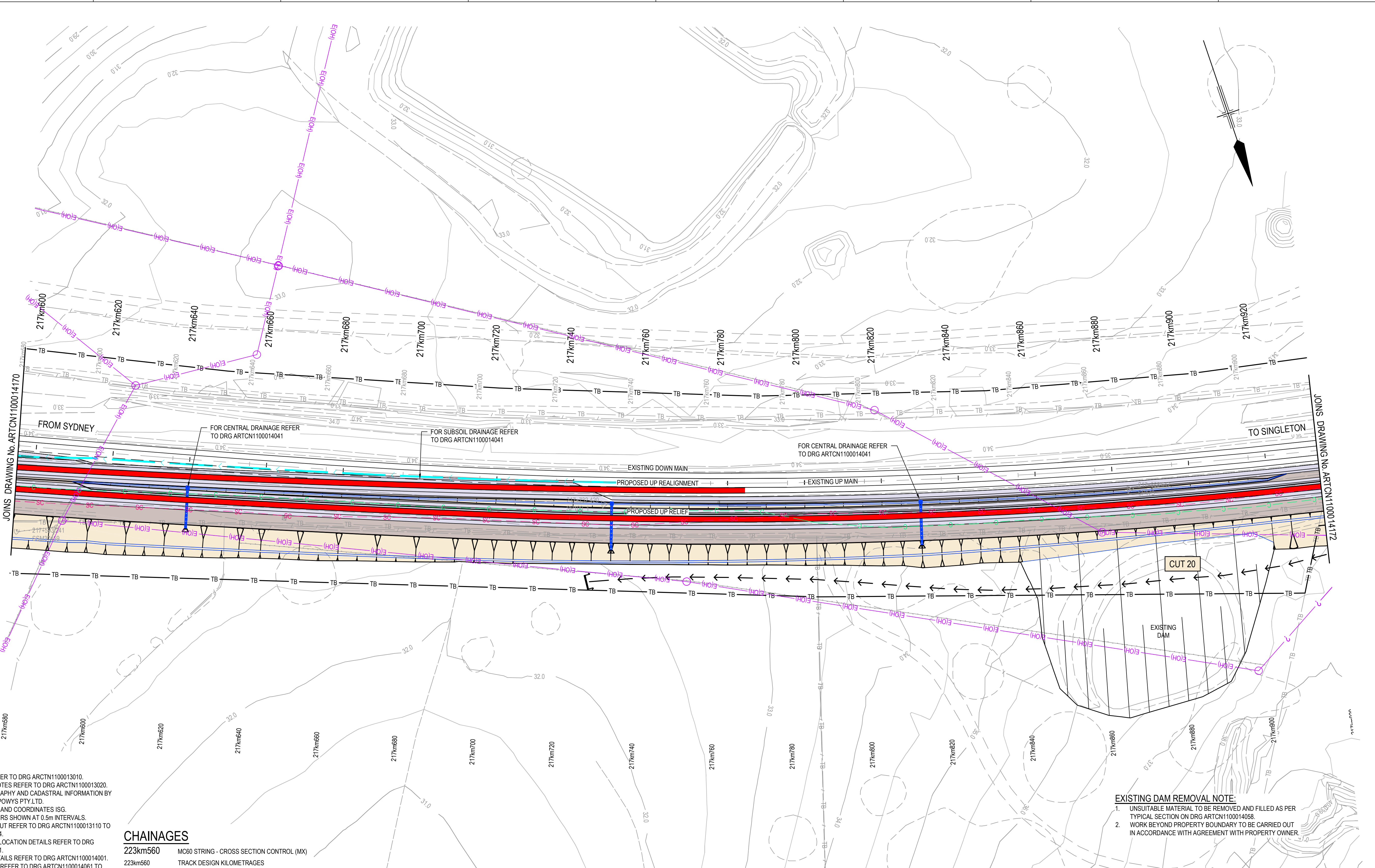
B

C

D

E

F



JOINS DRAWING No. ARTCN100014170

JOINS DRAWING No. ARTCN100014172

FROM SYDNEY

TO SINGLETON

FOR CENTRAL DRAINAGE REFER TO DRG ARTCN100014041

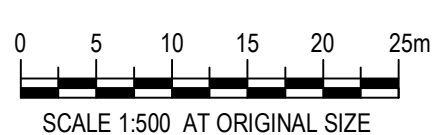
FOR SUBSOIL DRAINAGE REFER TO DRG ARTCN100014041

FOR CENTRAL DRAINAGE REFER TO DRG ARTCN100014041

- NOTES:**
- FOR LEGEND REFER TO DRG ARTCN100013010
 - FOR GENERAL NOTES REFER TO DRG ARTCN100013020
 - SURVEY TOPOGRAPHY AND CADASTRAL INFORMATION BY MONTEATH AND POWYS PTY.LTD.
 - LEVELS ARE AHD AND COORDINATES ISG.
 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARTCN100013110 TO ARTCN100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARTCN100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARTCN100014001.
 - FOR SCHEDULES REFER TO DRG ARTCN100014061 TO ARTCN100014088

CHAINAGES
 223km560 MC60 STRING - CROSS SECTION CONTROL (MX)
 223km560 TRACK DESIGN KILOMETRAGES
 223km560 EXISTING 6FT KILOMETRAGES

- EXISTING DAM REMOVAL NOTE:**
- UNSUITABLE MATERIAL TO BE REMOVED AND FILLED AS PER TYPICAL SECTION ON DRG ARTCN100014058.
 - WORK BEYOND PROPERTY BOUNDARY TO BE CARRIED OUT IN ACCORDANCE WITH AGREEMENT WITH PROPERTY OWNER.




PLAN
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Signed:					
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Rev	Date	Revision Description		Drawn	Checked

Designing Company: GHD GHD Job Number: 22-14630	Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2796 W www.hunter8alliance.com.au
Drawn M.WRIGHT	Designed R.STEPHENS
Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010



ARTC DWG NUMBER 0

ARTCN100014171

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
217km600 TO 217km920

Sheet No.
71 of 91

Scale (A1):
1:500

A

B

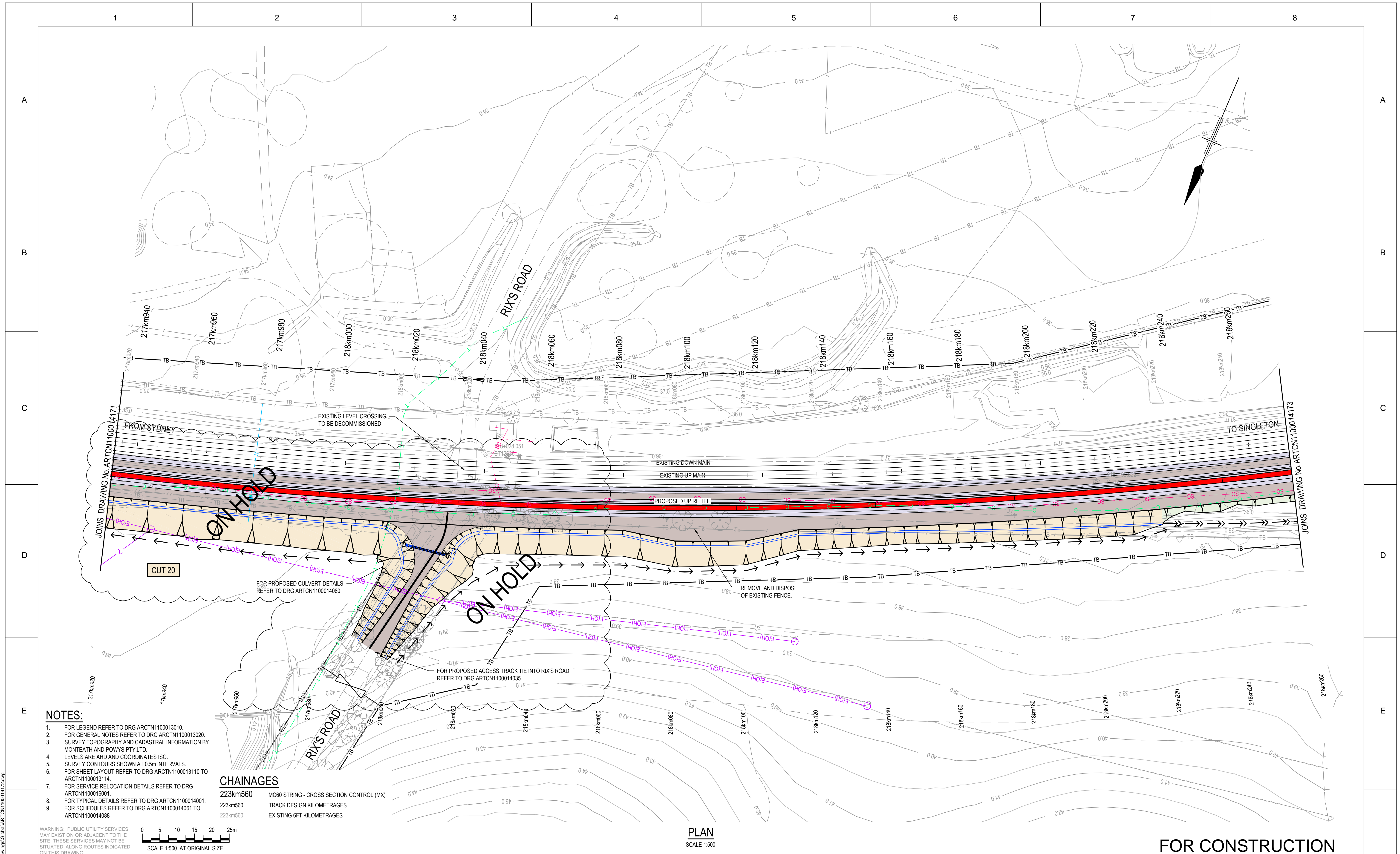
C

D

E

F

PLOT DATE: 10 August 2010 4:17 PM. PLOTTED BY: MWR1
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 - LEVELS ARE AHD AND COORDINATES ISG.
 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARCTN1100013110 TO ARCTN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

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0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

PLAN
SCALE 1:500

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Approval Date		06.08.10		ISSUED FOR CONSTRUCTION	
Rev	Date	Revision Description	Drawn	Checked	Approved
			M.J.W	D.W*	G.W*

Designing Company:
GHD
GHD Job Number:
22-14630

Drawn
M.WRIGHT
Drafting Check
M.DERWIN*

Address:
Level 3 GHD Tower, 24 Honeysuckle Drive
Newcastle NSW 2300 Australia
P 61 2 4941 2796
W www.hunter8alliance.com.au

Designed
R.STEPHENS
Design Check
P.PIGRAM*

Approved
G.WICKENS*
Date
10.08.2010

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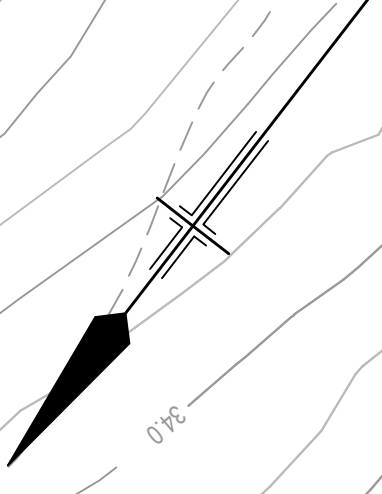
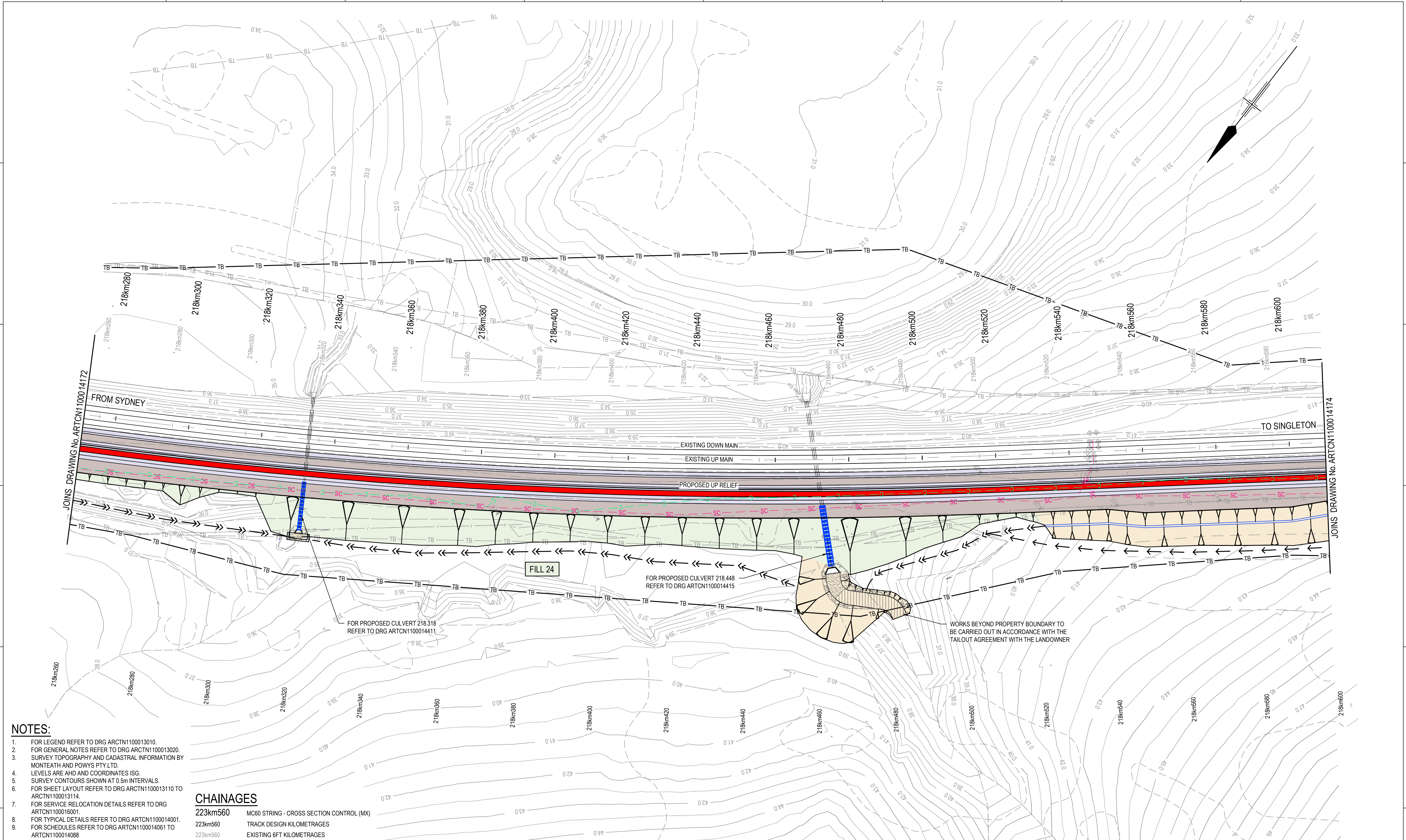
ARTC DWG NUMBER 0

ARTCN1100014172

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
217km920 TO 218km260

Sheet No.
72 of 91
Scale (A1):
1:500

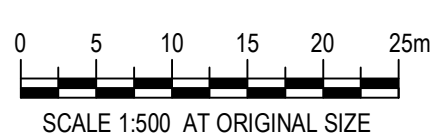
PLOT DATE: 10 August 2010 4:18 PM. PLOTTED BY: MWR1
GHD FILE PATH: G:\2214630\Drawings\Subarea\ARTCN1100014172.dwg



- NOTES:**
- FOR LEGEND REFER TO DRG ARTCN1100013010
 - FOR GENERAL NOTES REFER TO DRG ARTCN1100013020
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 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARTCN1100013110 TO ARTCN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARTCN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARTCN1100014001.
 - FOR SCHEDULES REFER TO DRG ARTCN1100014061 TO ARTCN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Approval Date	06.08.10	ISSUED FOR CONSTRUCTION	M.J.W	D.W*	G.W*
Rev	Date	Revision Description	Drawn	Checked	Approv.

Designing Company: GHD GHD Job Number: 22-14630	Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2796 W www.hunter8alliance.com.au
Drawn M.WRIGHT	Designed R.STEPHENS
Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010

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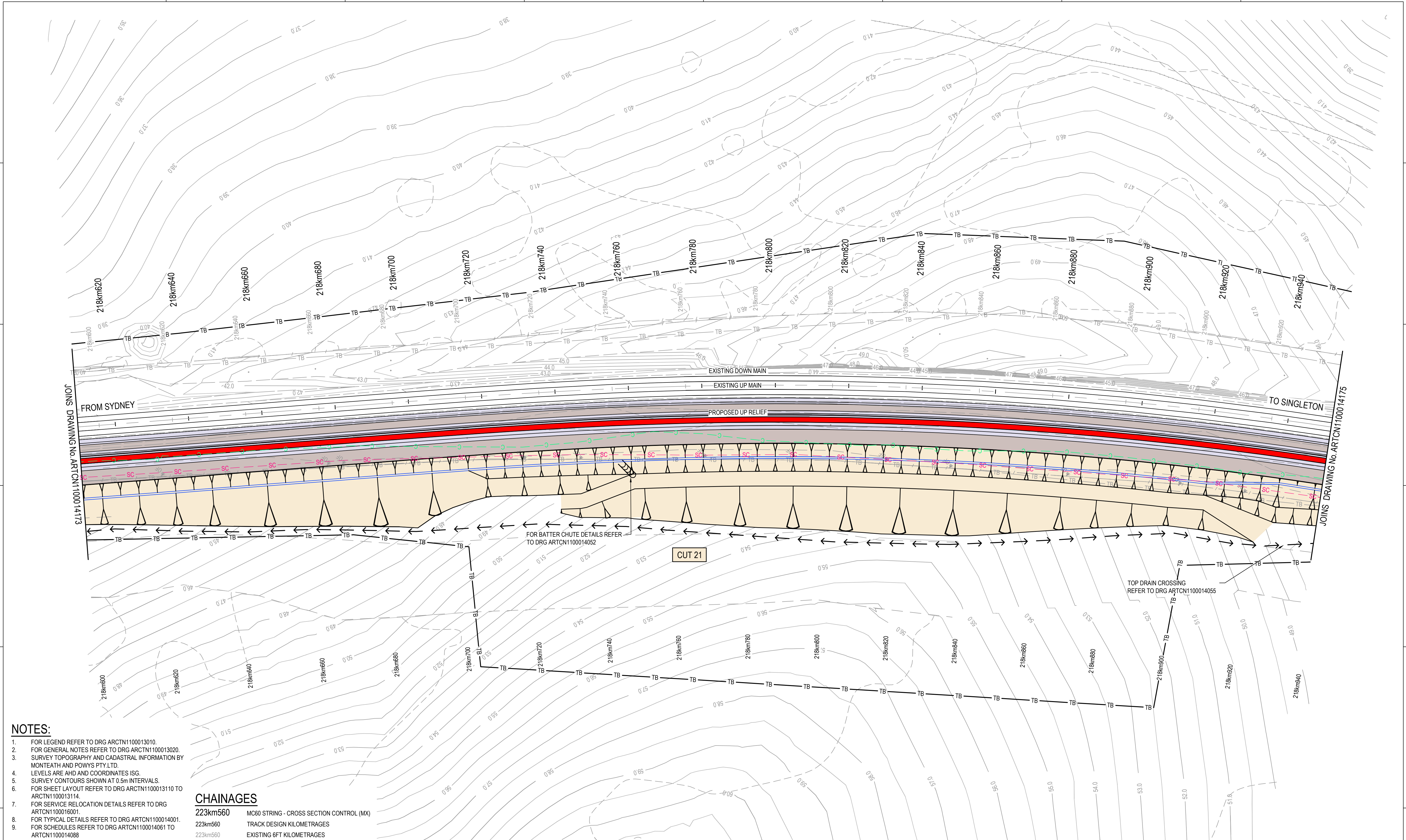
ARTC DWG NUMBER **0**

ARTCN1100014173

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
218km260 TO 218km600

Sheet No.
73 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:19 PM. PLOTTED BY: MWR1
GHD FILE PATH: G:\2010\1173\1173.dwg



- NOTES:**
- FOR LEGEND REFER TO DRG ARTCN1100013010
 - FOR GENERAL NOTES REFER TO DRG ARTCN1100013020
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 - LEVELS ARE AHD AND COORDINATES ISG.
 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARTCN1100013110 TO ARTCN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARTCN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARTCN1100014001.
 - FOR SCHEDULES REFER TO DRG ARTCN1100014061 TO ARTCN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

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0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

PLAN
SCALE 1:500

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Approved G.WICKENS*	Date 10.08.2010

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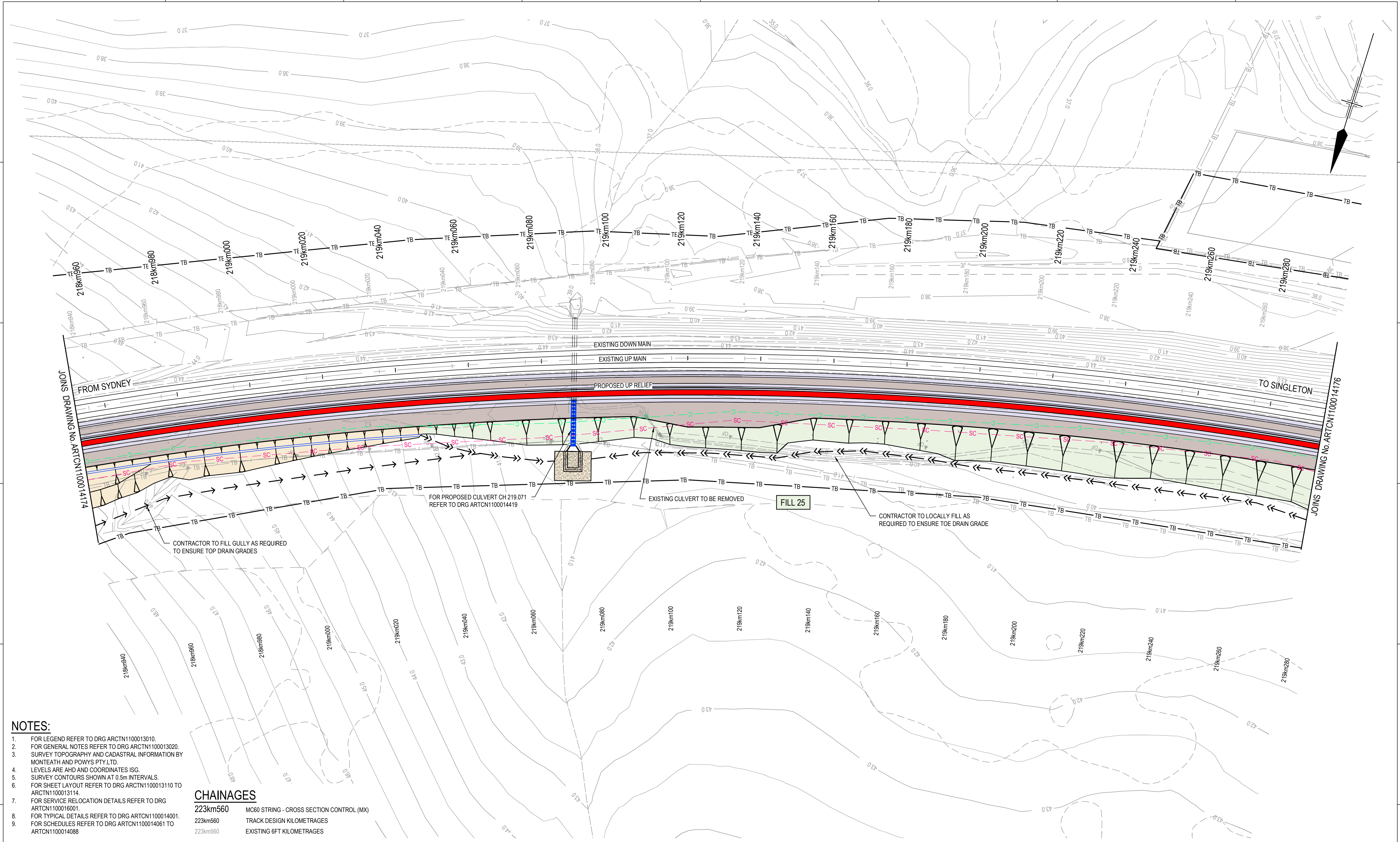
ARTC DWG NUMBER 0

ARTCN1100014174

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
218km600 TO 218km940

Sheet No.
74 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:20 PM PLOTTED BY: MWR1 GHD FILE PATH: G:\2214630\Drawings\Subarea\ARTCN1100014174.dwg



- NOTES:**
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 - FOR GENERAL NOTES REFER TO DRG ARCTN1100013020
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 - LEVELS ARE AHD AND COORDINATES ISG.
 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARCTN1100013110 TO ARCTN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Drawn M.WRIGHT	Designed R.STEPHENS
Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010

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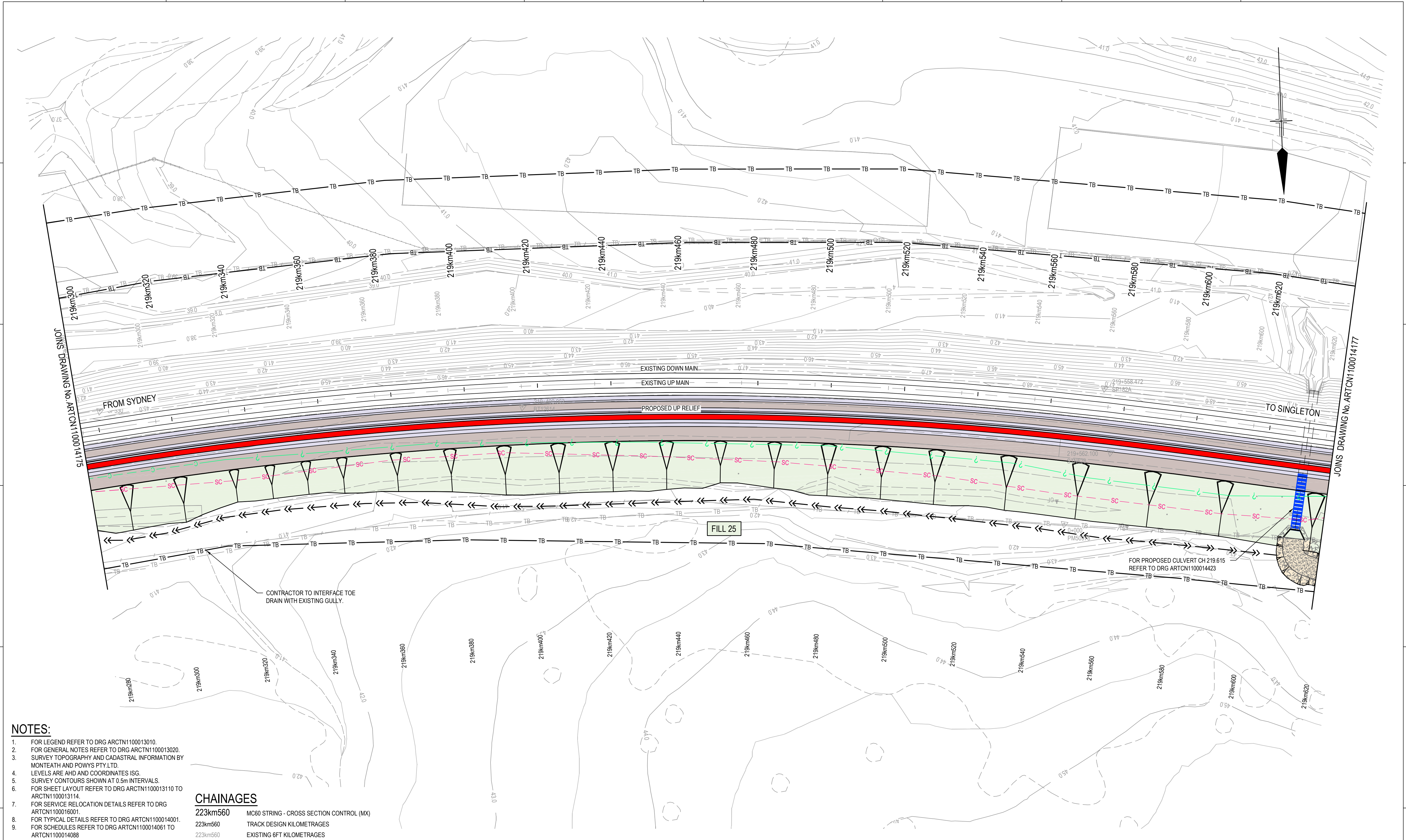
ARTC DWG NUMBER **0**

ARTCN1100014175

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
218km940 TO 219km280

Sheet No.
75 of 91
Scale (A1):
1:500

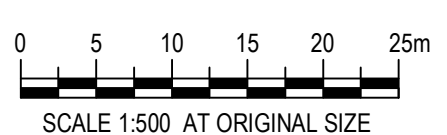
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- NOTES:**
- FOR LEGEND REFER TO DRG ARTCN1100013010
 - FOR GENERAL NOTES REFER TO DRG ARTCN1100013020
 - SURVEY TOPOGRAPHY AND CADASTRAL INFORMATION BY MONTEATH AND POWYS PTY.LTD.
 - LEVELS ARE AHD AND COORDINATES ISG.
 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARTCN1100013110 TO ARTCN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARTCN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARTCN1100014001.
 - FOR SCHEDULES REFER TO DRG ARTCN1100014061 TO ARTCN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Rev	Date	Revision Description	Drawn	Checked	Approv.

Designing Company: GHD GHD Job Number: 22-14630	Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2796 W www.hunter8alliance.com.au
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Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010

FOR CONSTRUCTION

ARTC DWG NUMBER **0**

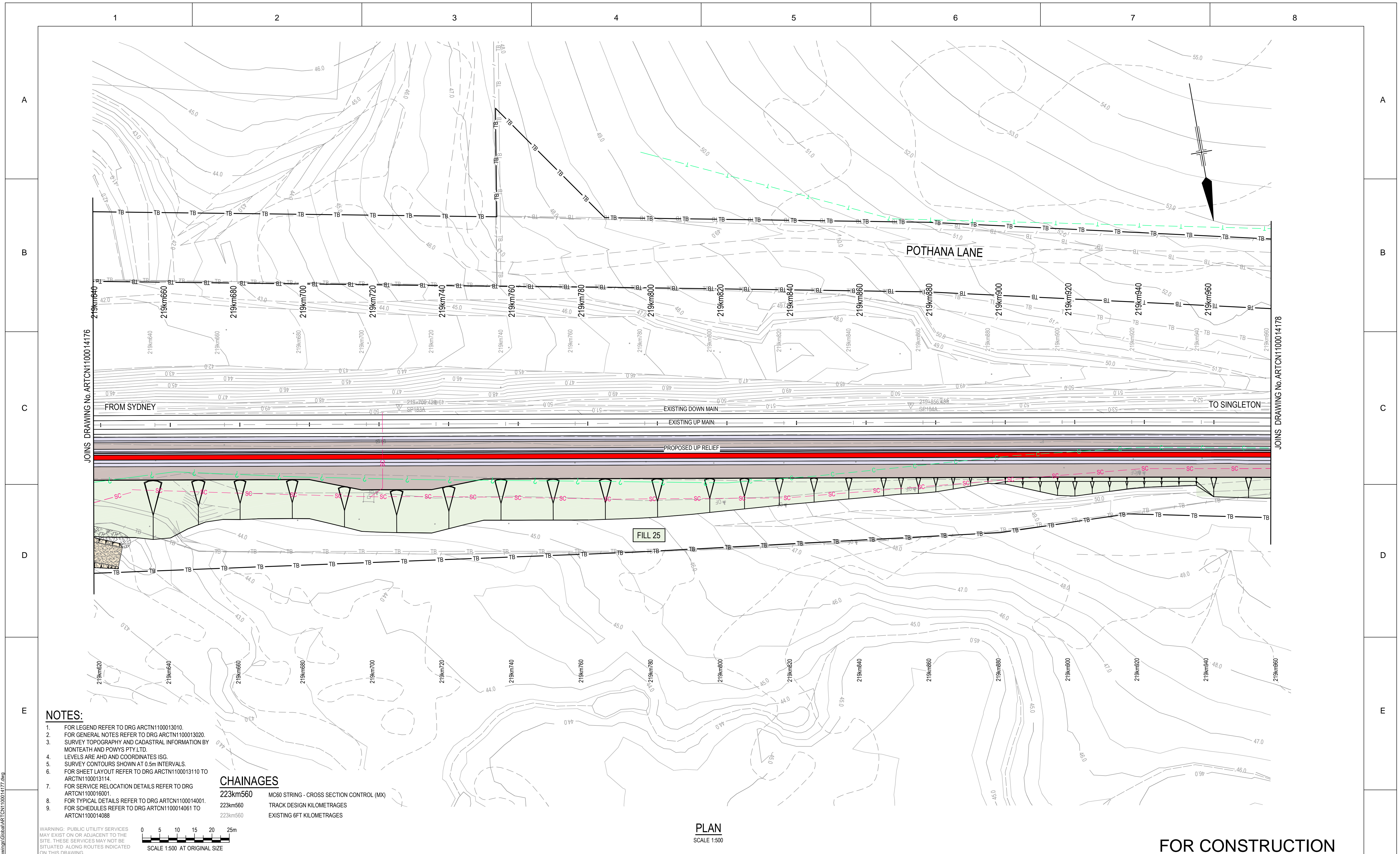
ARTCN1100014176

Hunter ALLIANCE

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
219km280 TO 219km620

Sheet No.
76 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:22 PM PLOTTED BY: MW11 GHD FILE PATH: G:\219\1476\Drawings\Subarea\ARTCN1100014176.dwg



- NOTES:**
- FOR LEGEND REFER TO DRG ARCTN1100013010
 - FOR GENERAL NOTES REFER TO DRG ARCTN1100013020
 - SURVEY TOPOGRAPHY AND CADASTRAL INFORMATION BY MONTEATH AND POWYS PTY.LTD.
 - LEVELS ARE AHD AND COORDINATES ISG.
 - SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 - FOR SHEET LAYOUT REFER TO DRG ARCTN1100013110 TO ARCTN1100013114.
 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

PLAN
SCALE 1:500

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Rev	Date	Revision Description		Drawn	Checked	Approv.	

Designing Company:
GHD
GHD Job Number:
22-14630

Drawn
M.WRIGHT

Design Check
M.DERWIN*

Address:
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Newcastle NSW 2300 Australia
P 61 2 4941 2796
W www.hunter8alliance.com.au

Designed
R.STEPHENS

Design Check
P.PIGRAM*

Approved
G.WICKENS*

Date
10.08.2010

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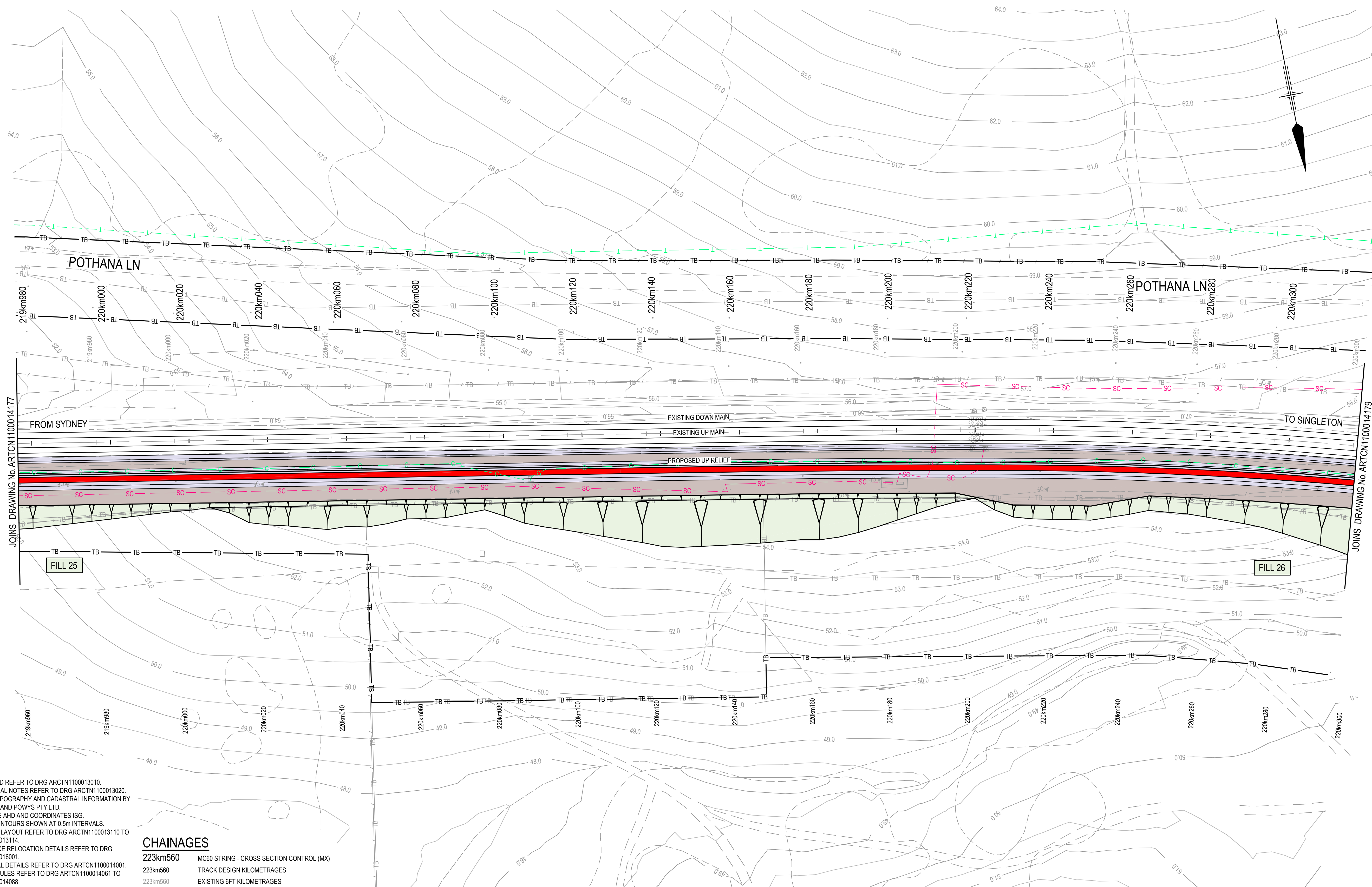
ARTCN1100014177

Hunter
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MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
219km620 TO 219km960

Sheet No.
77 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:23 PM. PLOTTED BY: MWR1
GHD FILE PATH: G:\2010\14630\Drawings\Subarea\ARTCN1100014177.dwg



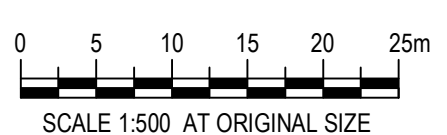
PLAN
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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
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CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



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			M.J.W	D.W*	G.W*

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Drawn M.WRIGHT	Designed R.STEPHENS
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Approved G.WICKENS*	Date 10.08.2010

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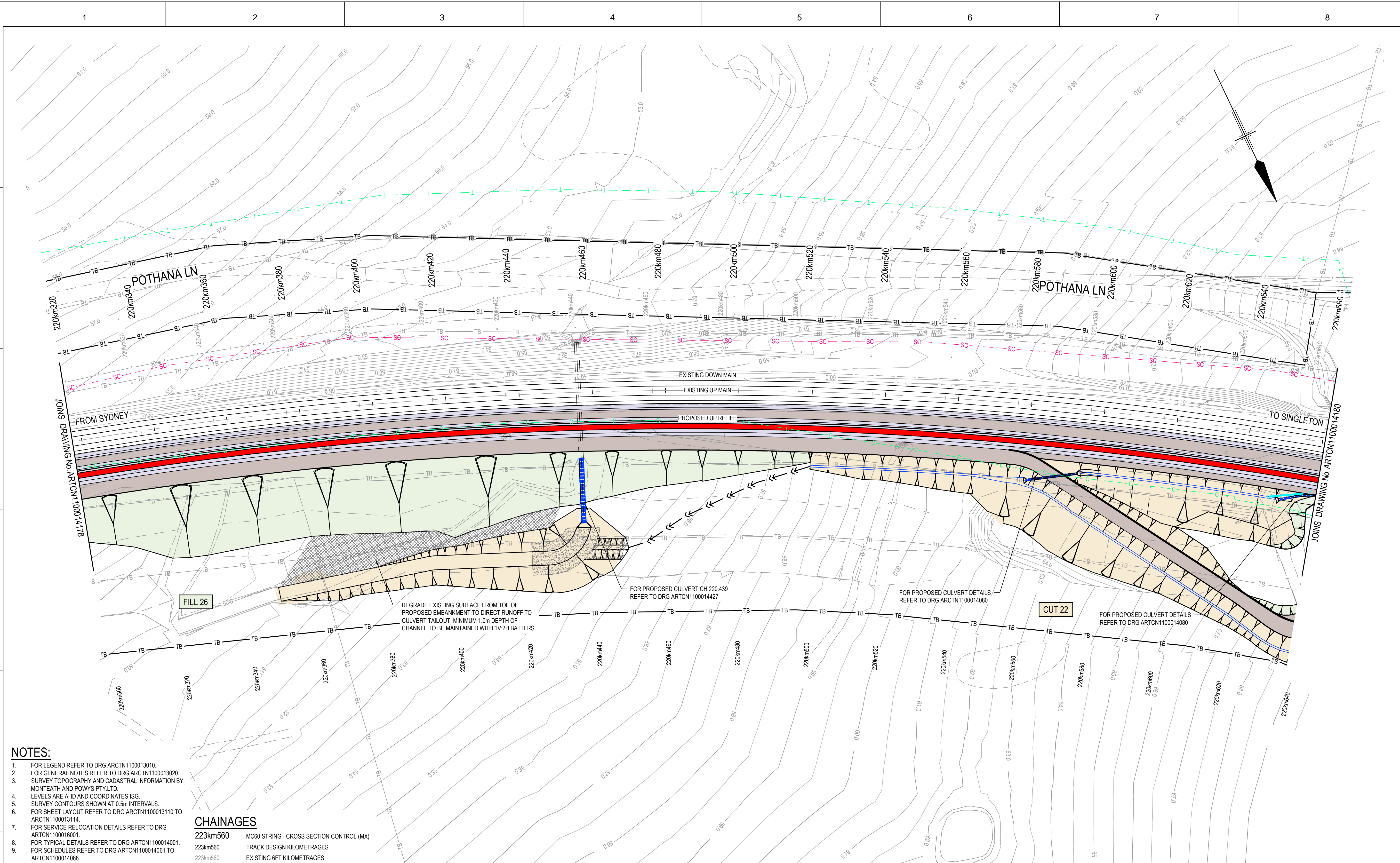
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ARTCN1100014178

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
219km960 TO 220km300

Sheet No.
78 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:24 PM. PLOTTED BY: MWR1
GHD FILE PATH: G:\2011\1178\1178.dwg

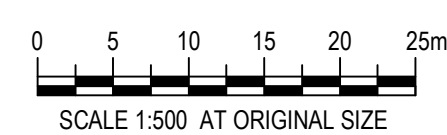


NOTES:

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- FOR GENERAL NOTES REFER TO DRG ARCTN1100013020.
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- FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Rev	Date	Revision Description	Drawn	Checked	Approv.

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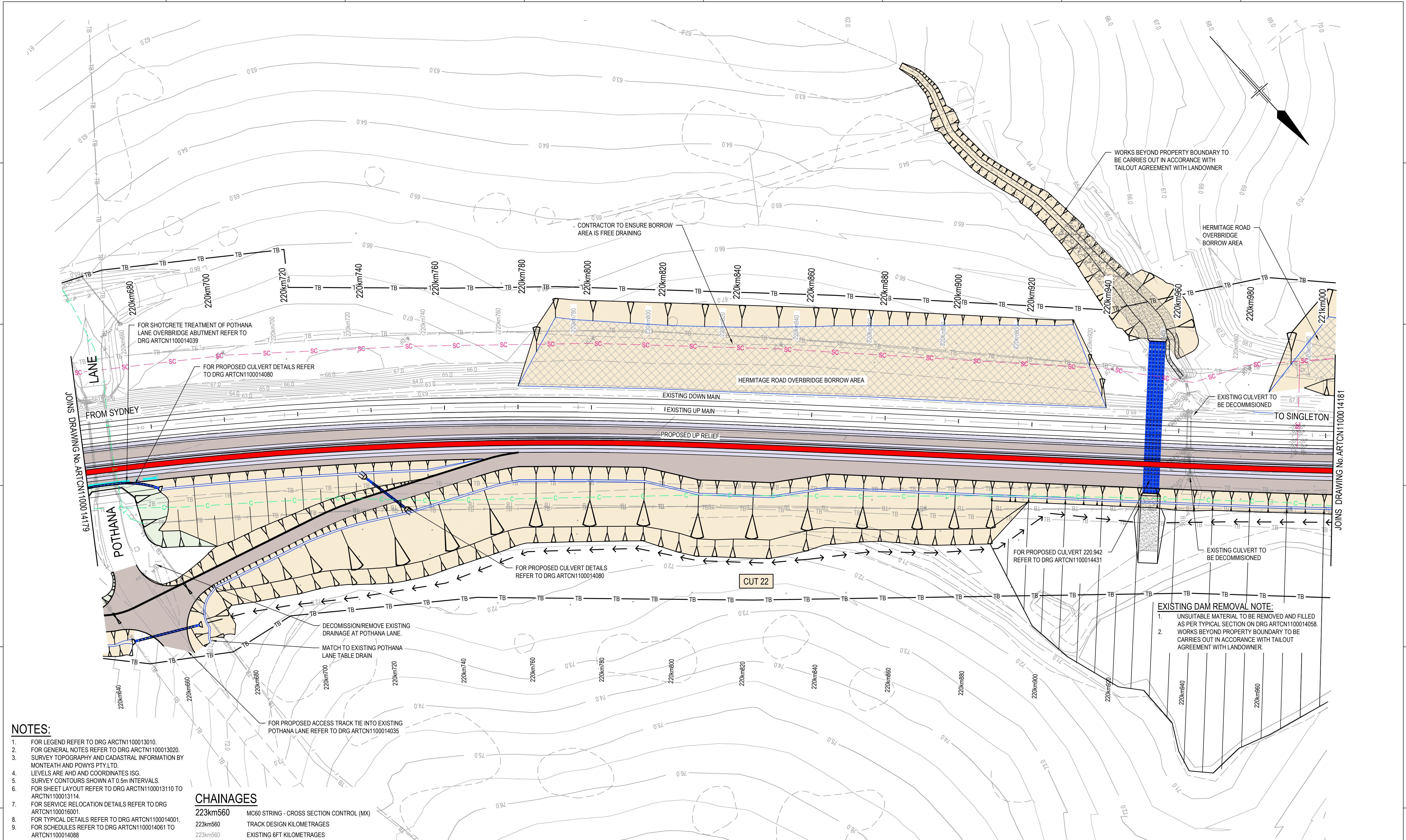
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ARTCN1100014179

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
220km300 TO 220km640

Sheet No.
79 of 91
Scale (A1):
1:500

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GHD FILE PATH: G:\2214630\Drawings\Subarea\ARTCN1100014179.dwg



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CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

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0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

PLAN
SCALE 1:500

EXISTING DAM REMOVAL NOTE:

- UNSUITABLE MATERIAL TO BE REMOVED AND FILLED AS PER TYPICAL SECTION ON DRG ARCTN1100014058.
- WORKS BEYOND PROPERTY BOUNDARY TO BE CARRIED OUT IN ACCORDANCE WITH TAILOUT AGREEMENT WITH LANDOWNER.

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Approved G.WICKENS*	Date 10.08.2010

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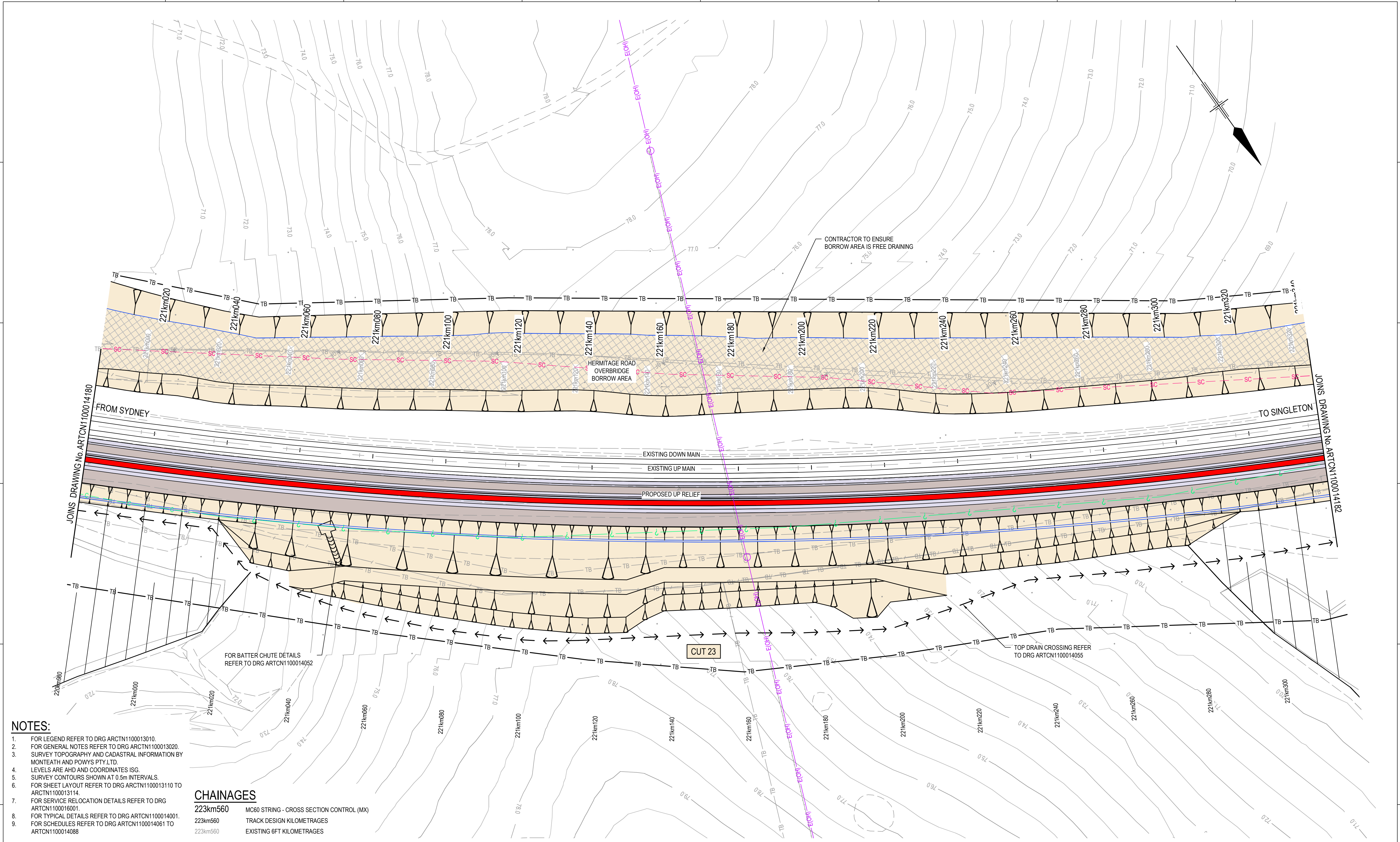
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ARTCN1100014180

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
220km640 TO 220km980

Sheet No.
80 of 91
Scale (A1):
1:500

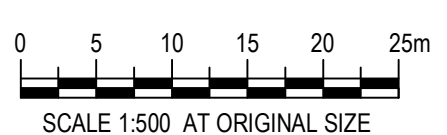
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 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARTCN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARTCN1100014001.
 - FOR SCHEDULES REFER TO DRG ARTCN1100014061 TO ARTCN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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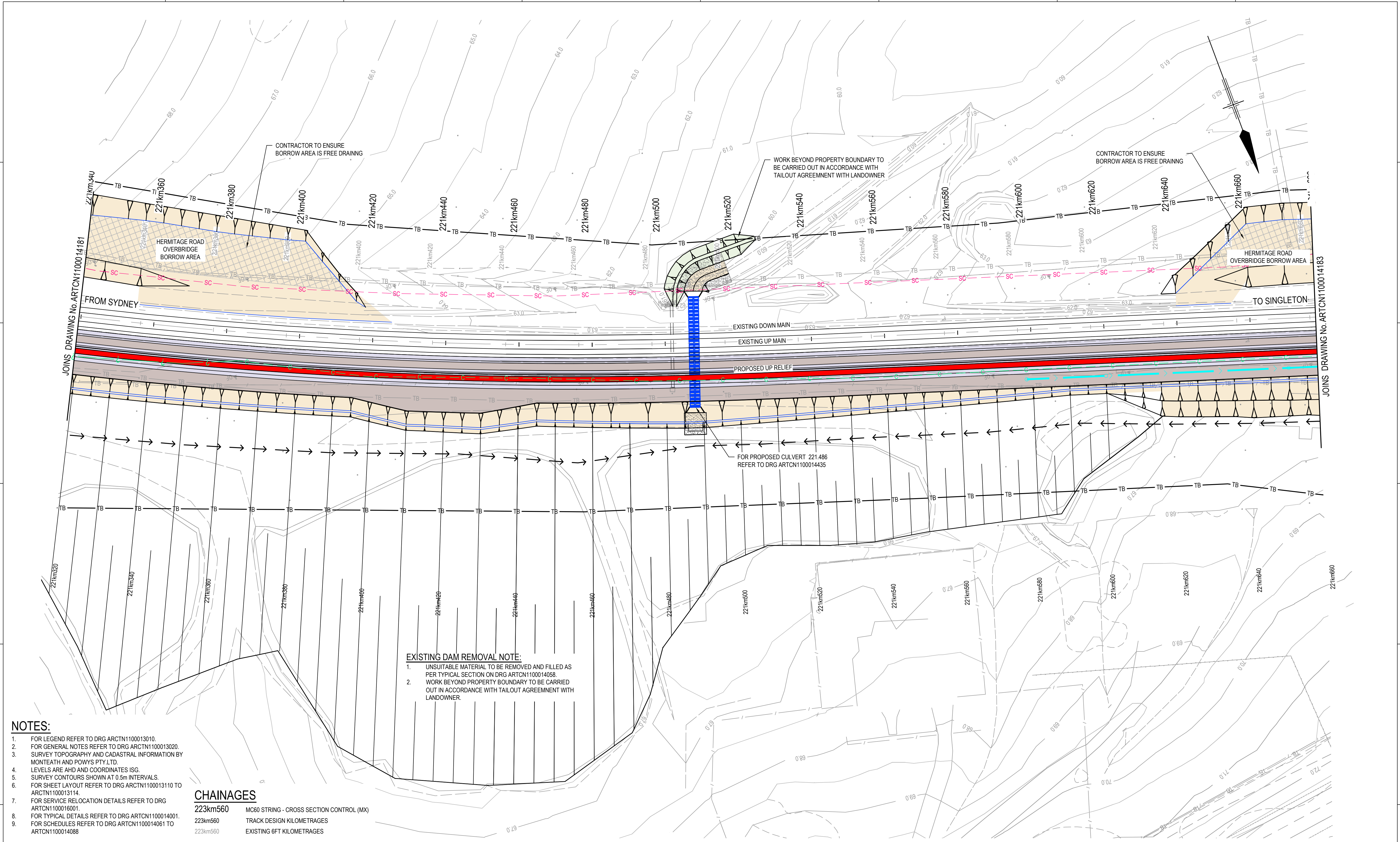
ARTC DWG NUMBER 0

ARTCN1100014181

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
220km980 TO 221km320

Sheet No.
81 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:26 PM PLOTTED BY: MWR1 GHD FILE PATH: G:\2010\14181\Drawings\Subarea\ARTCN1100014181.dwg



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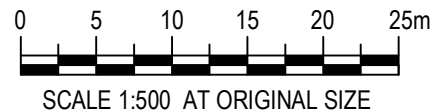
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2. WORK BEYOND PROPERTY BOUNDARY TO BE CARRIED OUT IN ACCORDANCE WITH TAILOUT AGREEMENT WITH LANDOWNER.

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 5. SURVEY CONTOURS SHOWN AT 0.5m INTERVALS.
 6. FOR SHEET LAYOUT REFER TO DRG ARTCN1100013110 TO ARTCN1100013114.
 7. FOR SERVICE RELOCATION DETAILS REFER TO DRG ARTCN1100016001.
 8. FOR TYPICAL DETAILS REFER TO DRG ARTCN1100014001.
 9. FOR SCHEDULES REFER TO DRG ARTCN1100014061 TO ARTCN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

PLAN
SCALE 1:500



FOR CONSTRUCTION

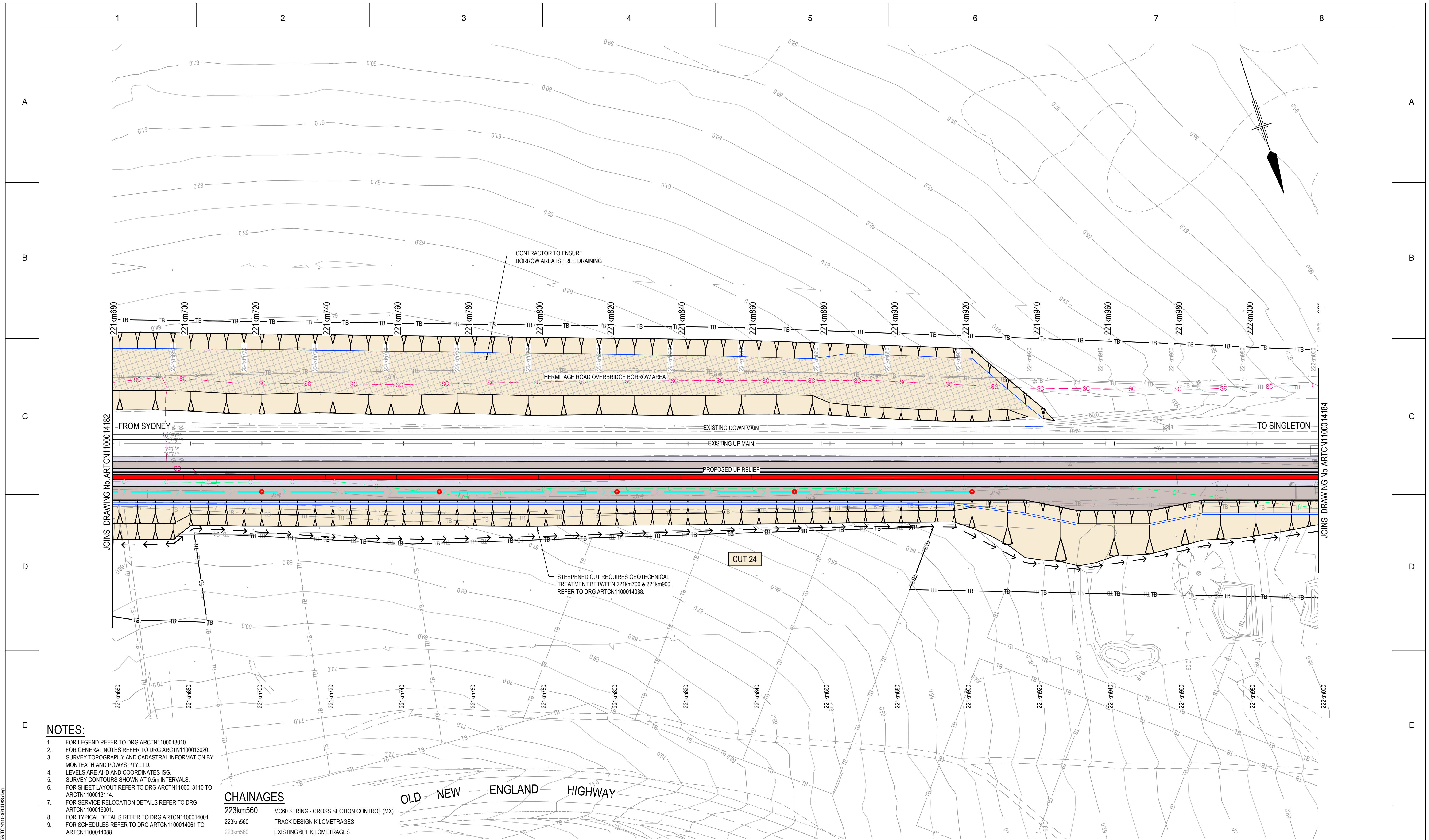
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Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010

	ARTC DWG NUMBER 0
	ARTCN1100014182
MAITLAND TO MINIMBAH - THIRD TRACK GENERAL ARRANGEMENT 221km320 TO 221km660	
Sheet No. 82 of 91 Scale (A1): 1:500	

PLOT DATE: 10 August 2010 4:27 PM
 PLOTTED BY: MWR1
 GHD FILE PATH: G:\2214630\Drawings\Subarea\ARTCN1100014182.dwg



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 - FOR SERVICE RELOCATION DETAILS REFER TO DRG ARCTN1100016001.
 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

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0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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SCALE 1:500

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Approved G.WICKENS*	Date 10.08.2010

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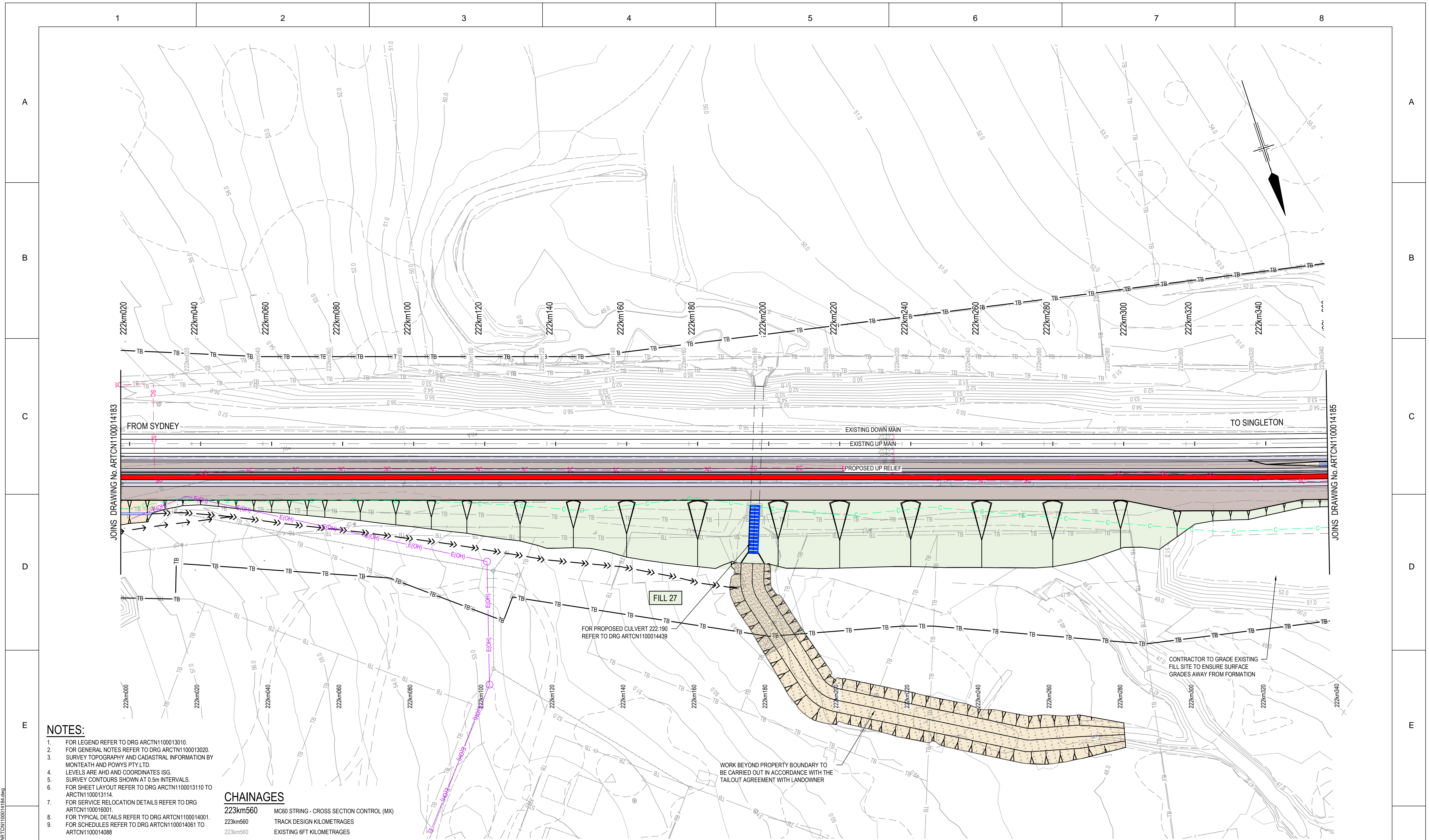
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ARTCN1100014183

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
221km660 TO 222km000

Sheet No.
83 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:28 PM. PLOTTED BY: MWR1
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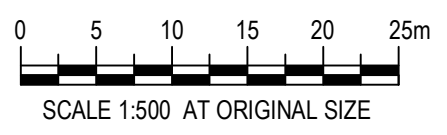


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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

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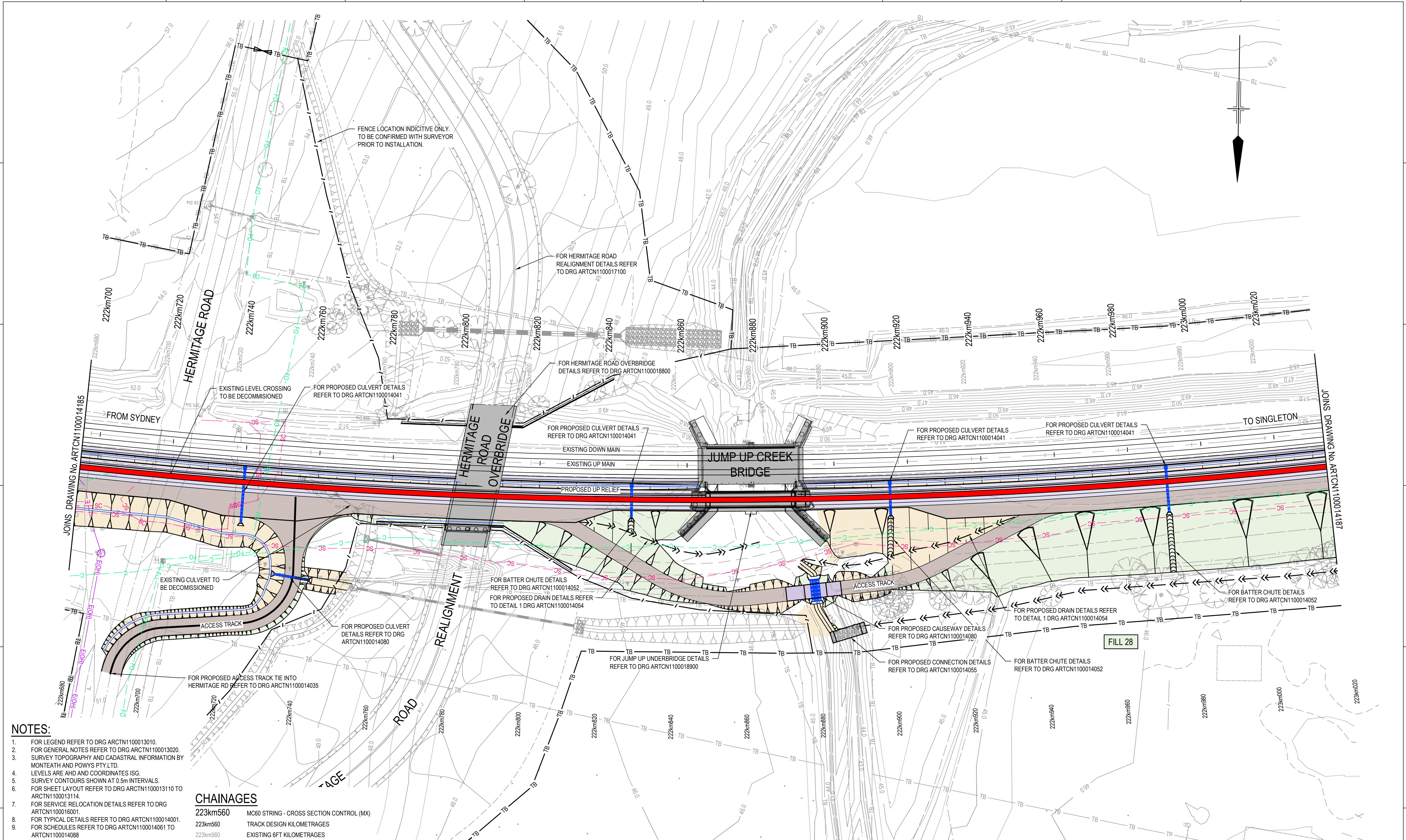
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ARTCN1100014184

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
222km000 TO 222km340

Sheet No.
84 of 91
Scale (A1):
1:500

PLOT DATE: 10 August 2010 4:29 PM. PLOTTED BY: MWR1
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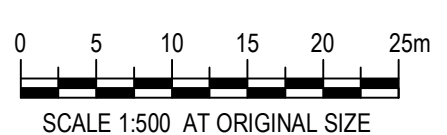
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- FOR GENERAL NOTES REFER TO DRG ARCTN1100013020
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CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

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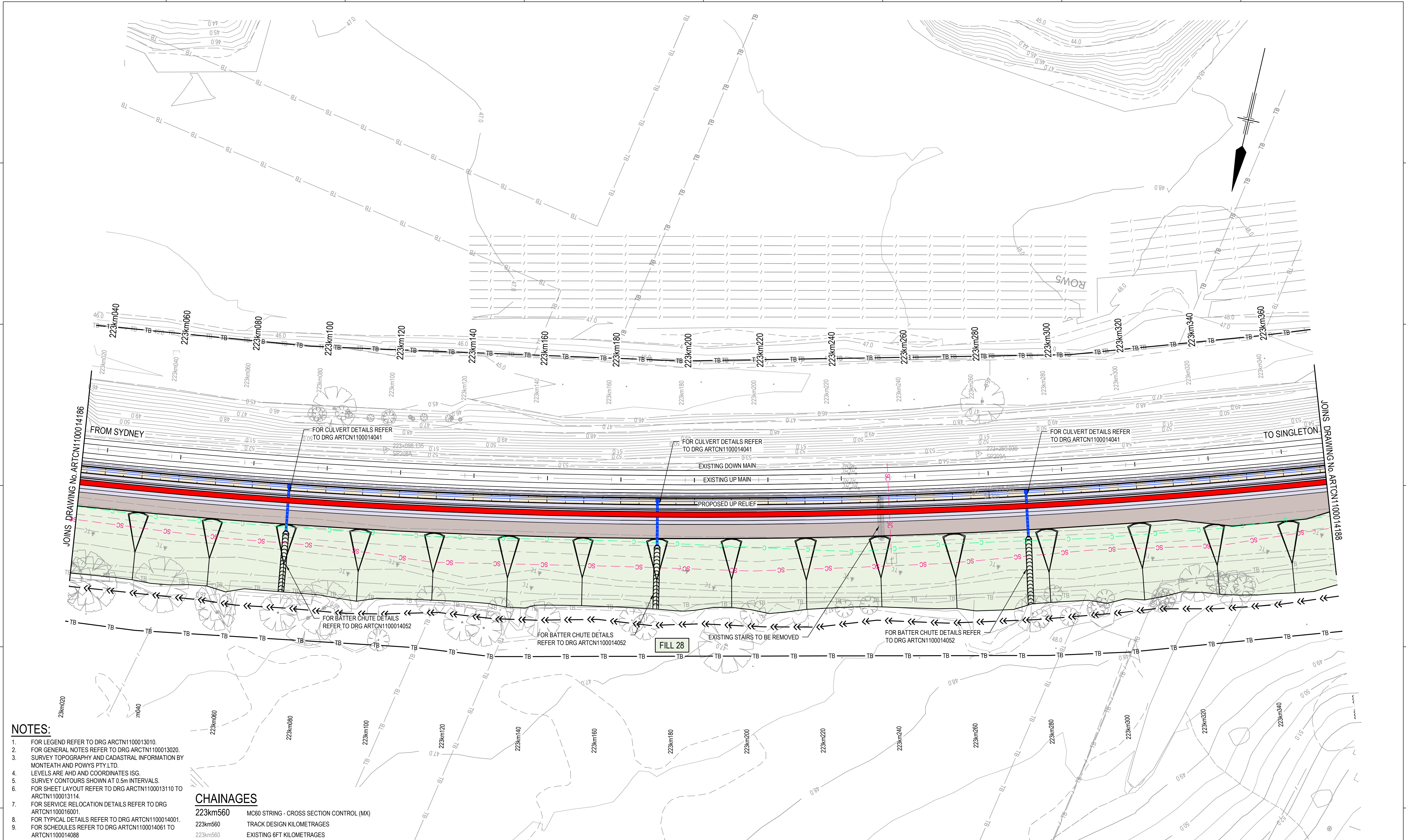
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Checked		G.W*
Approved	G.WICKENS*	
Date	10.08.2010	

Designing Company:	GHD	Address:	Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2796 W www.hunter8alliance.com.au
GHD Job Number:	22-14630	Designed:	R.STEPHENS
Drawn:	M.WRIGHT	Design Check:	P.PIGRAM*
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ARTCN1100014186	
MAITLAND TO MINIMBAH - THIRD TRACK GENERAL ARRANGEMENT 222km680 TO 223km020	
Sheet No.	86 of 91
Scale (A1):	1:500

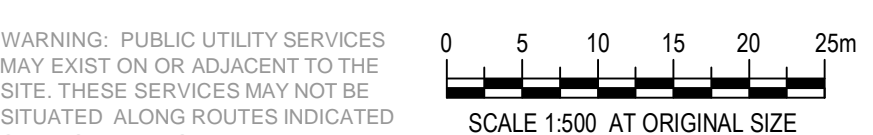
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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

FOR CONSTRUCTION

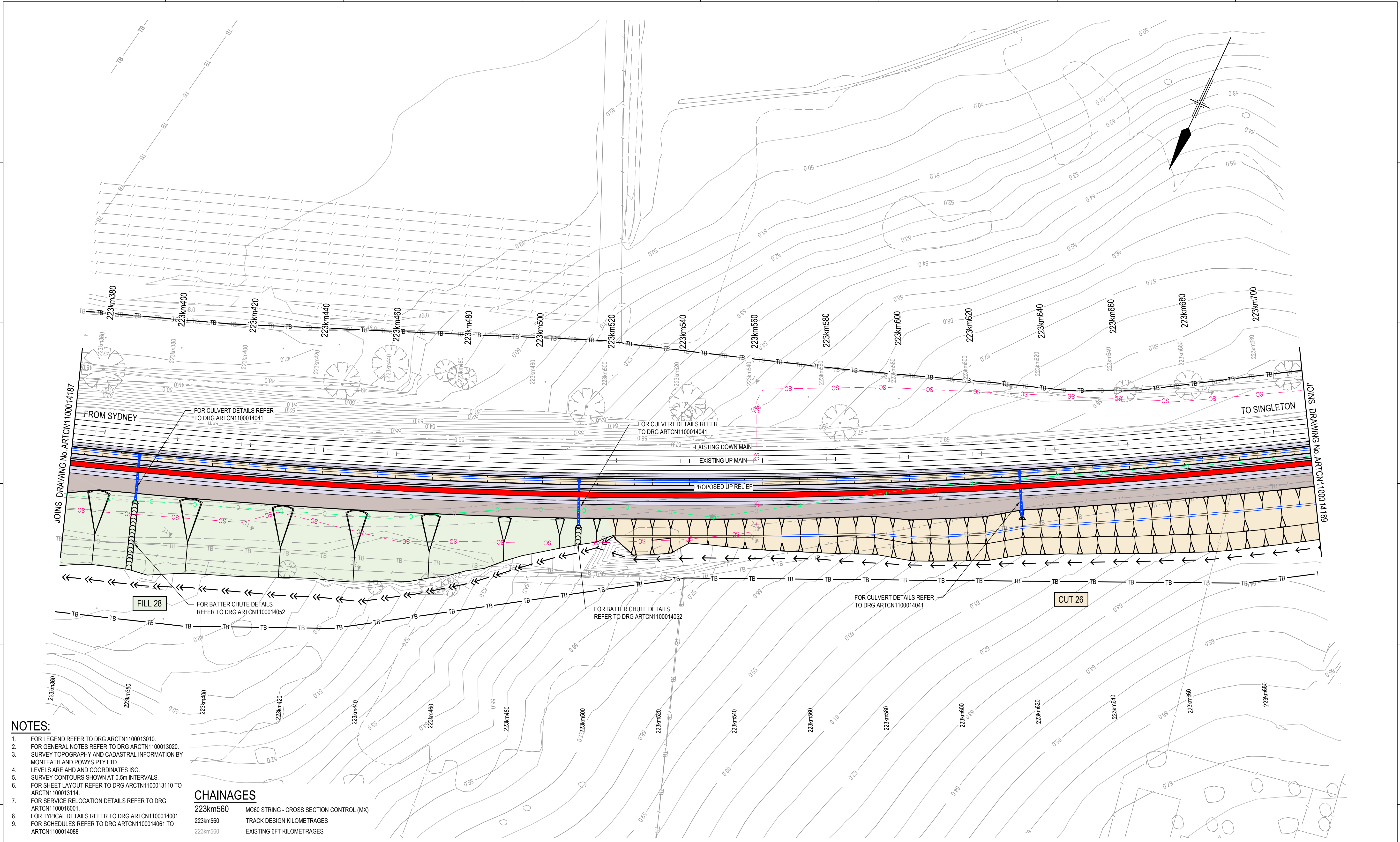
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				M.J.W	D.W*
				G.W*	

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		ARTC DWG NUMBER	0
ARTCN1100014187			
MAITLAND TO MINIMBAH - THIRD TRACK GENERAL ARRANGEMENT 223km020 TO 223km360		Sheet No. 87 of 91 Scale (A1): 1:500	

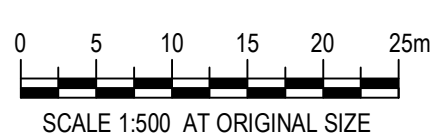
PLOT DATE: 10 August 2010 4:32 PM
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CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Rev	Date	Revision Description		Drawn	Checked
				M.J.W	D.W*
				G.W*	Approved
				G.WICKENS*	Date
				10.08.2010	

Designing Company:
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GHD Job Number:
22-14630

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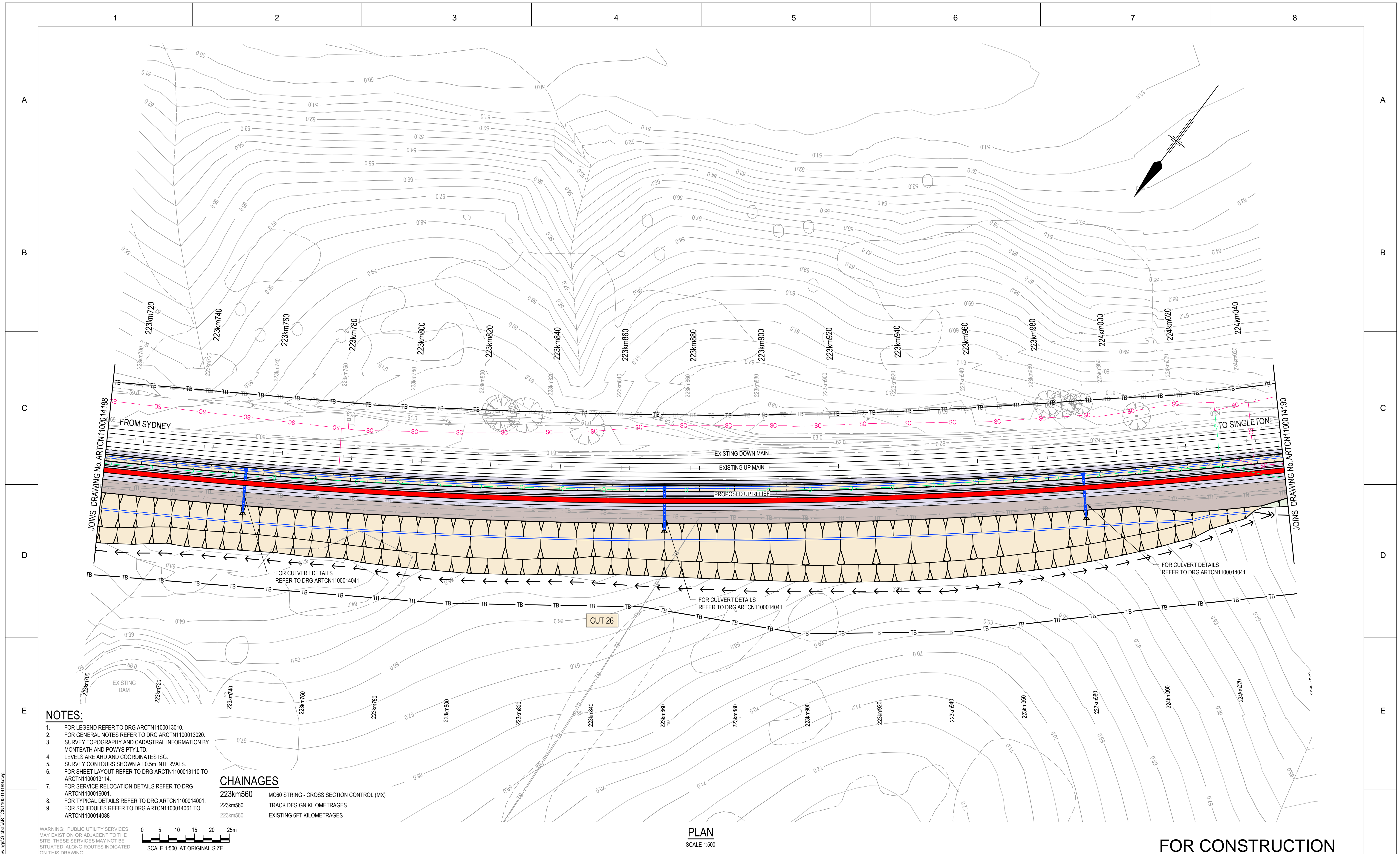
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ARTCN1100014188

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
223km360 TO 223km700

Sheet No.
88 of 91
Scale (A1):
1:500

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CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

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0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

PLAN
SCALE 1:500

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			M.J.W	D.W*	G.W*

Designing Company: GHD GHD Job Number: 22-14630	Address: Level 3 GHD Tower, 24 Honeysuckle Drive Newcastle NSW 2300 Australia P 61 2 4941 2706 W www.hunter8alliance.com.au
Drawn M.WRIGHT	Designed R.STEPHENS
Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010

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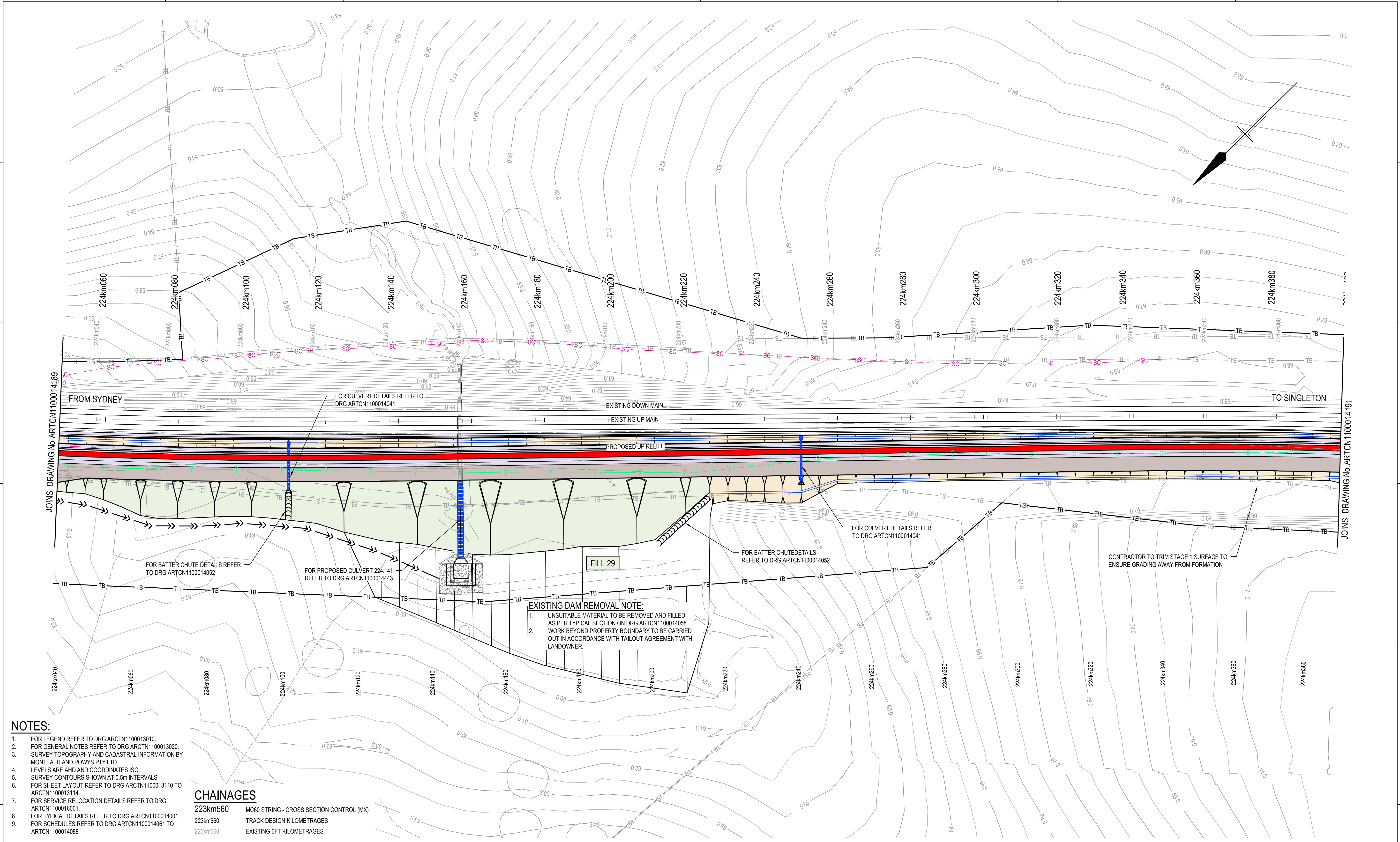
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ARTCN1100014189

MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
223km700 TO 224km040

Sheet No.
89 of 91
Scale (A1):
1:500

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 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES

EXISTING DAM REMOVAL NOTE:

- UNSUITABLE MATERIAL TO BE REMOVED AND FILLED AS PER TYPICAL SECTION ON DRG ARCTN1100014058.
- WORK BEYOND PROPERTY BOUNDARY TO BE CARRIED OUT IN ACCORDANCE WITH TAILOUT AGREEMENT WITH LANDOWNER.

PLAN
SCALE 1:500

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			M.J.W	D.W*	G.W*

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Drafting Check M.DERWIN*	Design Check P.PIGRAM*
Approved G.WICKENS*	Date 10.08.2010

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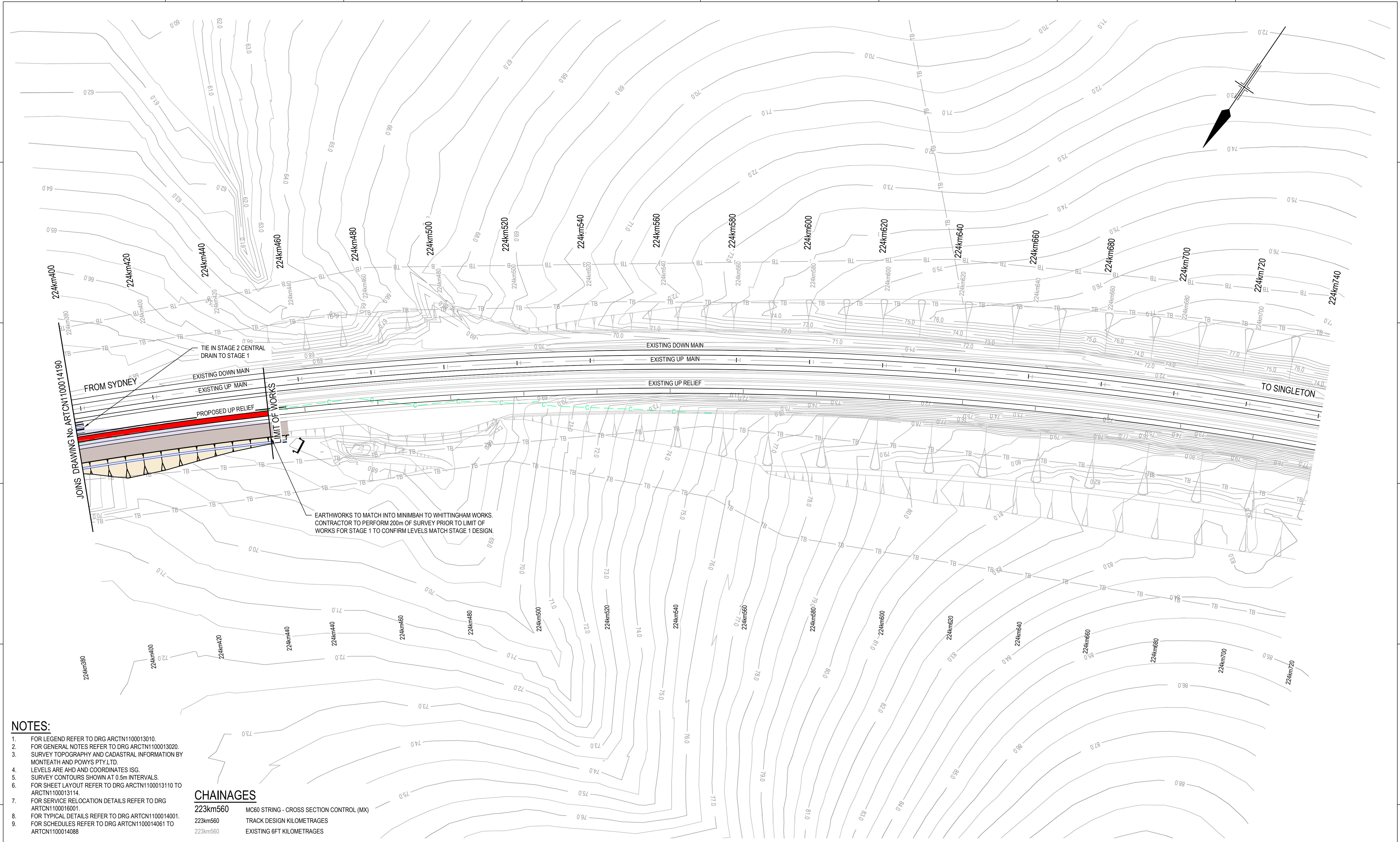
ARTC DWG NUMBER 0

ARTCN1100014190

Maitland to Minimbah - Third Track
GENERAL ARRANGEMENT
224km040 TO 224km380

Sheet No.
90 of 91
Scale (A1):
1:500

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 - FOR TYPICAL DETAILS REFER TO DRG ARCTN1100014001.
 - FOR SCHEDULES REFER TO DRG ARCTN1100014061 TO ARCTN1100014088.

CHAINAGES

223km560	MC60 STRING - CROSS SECTION CONTROL (MX)
223km560	TRACK DESIGN KILOMETRAGES
223km560	EXISTING 6FT KILOMETRAGES



PLAN
SCALE 1:500

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Checked		G.W*
Approved	G.WICKENS*	Date 10.08.2010

Designing Company:	GHD
GHD Job Number:	22-14630
Drawn:	M.WRIGHT
Designed:	R.STEPHENS
Drafting Check:	M.DERWIN*
Design Check:	P.PIGRAM*
Approved:	G.WICKENS*
Date:	10.08.2010

FOR CONSTRUCTION

ARTC DWG NUMBER 0

ARTCN1100014191

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MAITLAND TO MINIMBAH - THIRD TRACK
GENERAL ARRANGEMENT
224km380 TO 224km720

Sheet No. **91 of 91**
Scale (A1): 1:500

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