

B DRAWING UPDATED		M.C.C.	D.G.	B.B.	24.11.16
A PRELIMINARY DESIGN		M.C.C.	D.G.	B.B.	26.10.16
Drawn: [Name] Checked: [Name] Design: [Name]	Date: [Date]				

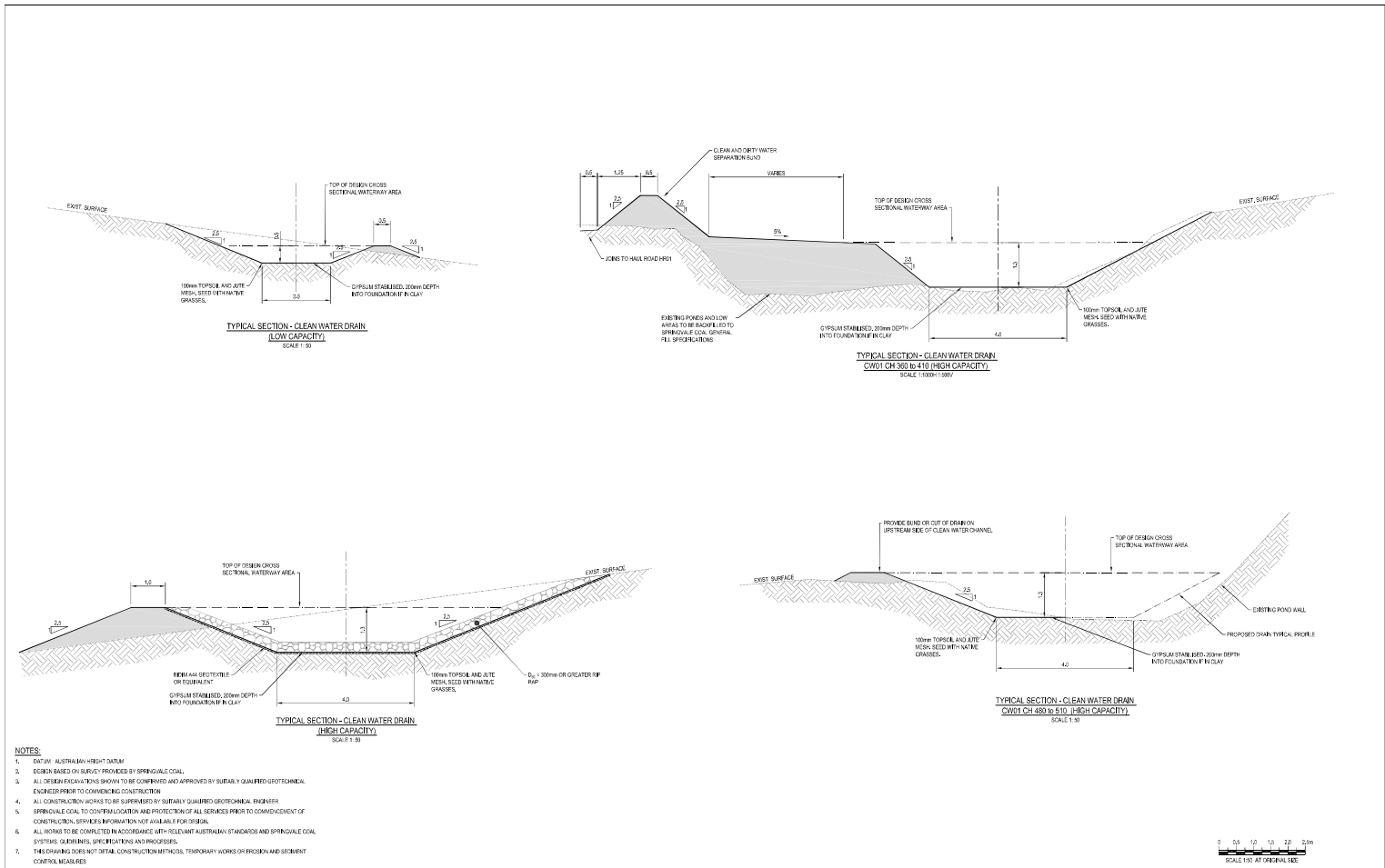
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Drawn: M. COLLINGS
Drafting: D. GREEN
Checked: [Name]
Approved: [Name] (Project Director)
Date: [Date]
Scale: AS SHOWN

SPRINGVALE COAL - DIRTY AND CLEAN WATER SEPARATION PLANS
GENERAL ARRANGEMENT
SHEET 2 OF 2

Client: [Name]
Project: [Name]
Task: [Name]
Sheet No: **A1**
Drawing No: **21-24377-C306**
Rev: **B**



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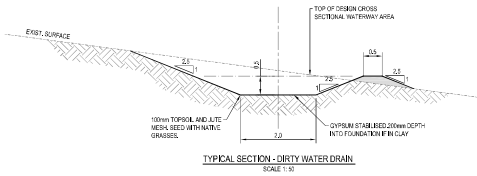
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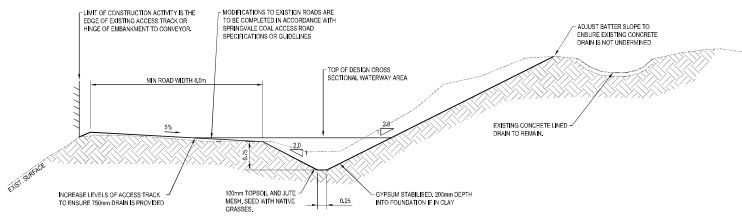
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Drafting: D. GREEN
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Approved: [Name] (Project Director)
Date: [Date]
Scale: AS SHOWN

SPRINGVALE COAL - DIRTY AND CLEAN WATER SEPARATION PLANS
TYPICAL SECTIONS - CLEAN WATER
SHEET 1

Client: [Name]
Project: [Name]
Task: [Name]
Sheet No: **A1**
Drawing No: **21-24377-C310**
Rev: **A**



TYPICAL SECTION - DIRTY WATER DRAIN
SCALE 1:50



TYPICAL SECTION
DIRTY WATER DRAIN CH 75 to CH 185
SCALE 1:50

NOTES:

1. DATUM: AUSTRALIAN HEIGHT DATUM
2. DESIGN BASED ON SURVEY PROVIDED BY SPRINGVALE COAL
3. ALL DESIGN EXCAVATIONS SHOWN TO BE CONFIRMED AND APPROVED BY SUITABLY QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO COMMENCING CONSTRUCTION
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7. THIS DRAWING DOES NOT DETAIL CONSTRUCTION METHODS, TEMPORARY WORKS OR EROSION AND SEDIMENT CONTROL MEASURES



A PRELIMINARY DESIGN		M.C.	D.G.	B.B.	25.10.18
Prepared	Drawn	Checked	Approved	Date	



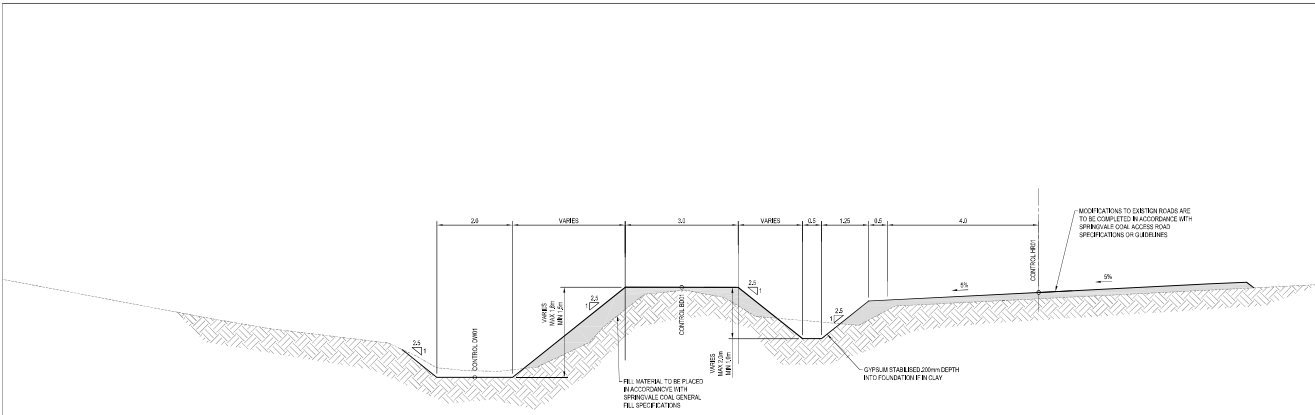
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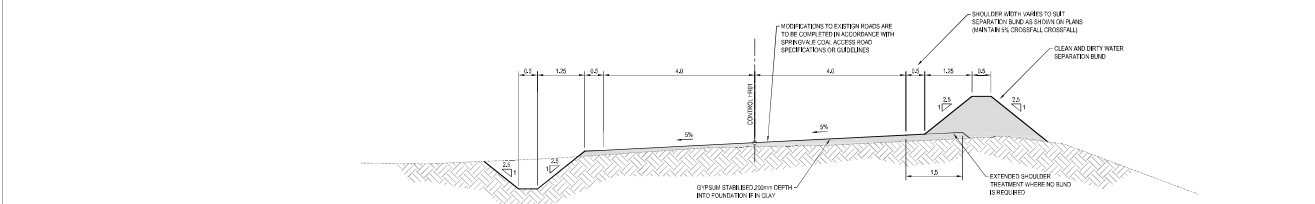
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Drawn	M. COLLINGS	Designer	L. HAMMERSLEY	Client	SPRINGVALE COAL - DIRTY AND CLEAN WATER SEPARATION PLANS
Drafting	J. GREEN	Design	B. BATCHELDER	Project	TYPICAL SECTIONS - DIRTY WATER SHEET 2
Approach	(Project Director)	Check		Task	
Date		Scale	AS SHOWN	Sheet	A1

Drawing No: 21-24377-C311 Rev: A



TYPICAL SECTION - HAUL ROAD CH 350 to CH 450
SCALE 1:100 @ 1:500V



TYPICAL SECTION - HAUL ROAD
SCALE 1:100 @ 1:500V

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A PRELIMINARY DESIGN		M.C.	D.G.	B.B.	25.10.18
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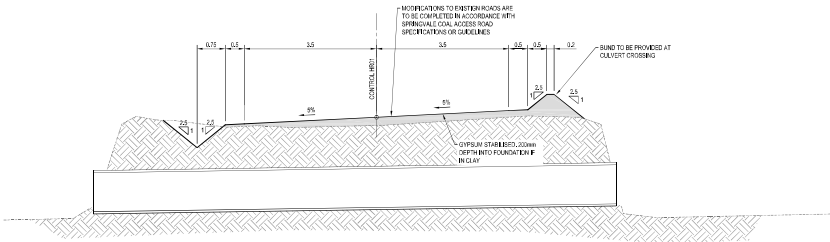
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Drafting	J. GREEN	Design	B. BATCHELDER	Project	TYPICAL SECTIONS - HAUL ROAD SHEET 3
Approach	(Project Director)	Check		Task	
Date		Scale	AS SHOWN	Sheet	A1

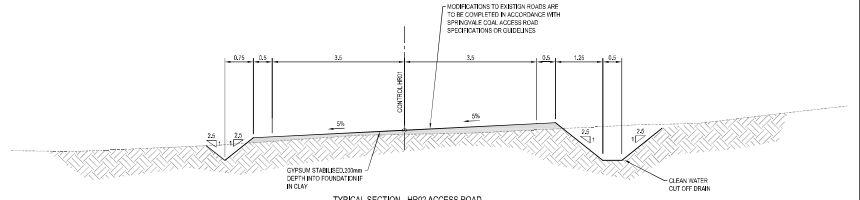
Drawing No: 21-24377-C312 Rev: A

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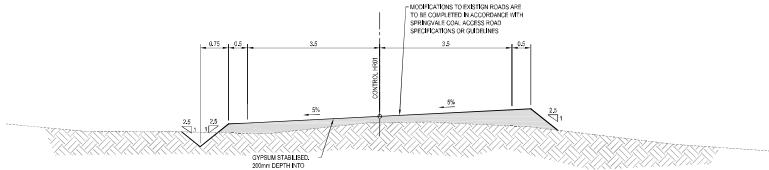
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TYPICAL SECTION - HR12 ACCESS ROAD AT CULVERT CROSSING
SCALE 1:1000 (SEE)



TYPICAL SECTION - HR02 ACCESS ROAD
SCALE 1:50



TYPICAL SECTION - ACCESS ROAD
SCALE 1:1000 (SEE)



NO.	REVISION	DATE	BY	CHKD.	APP'D.
1	PRELIMINARY DESIGN	25.10.16	M.C.	D.G.	B.B.



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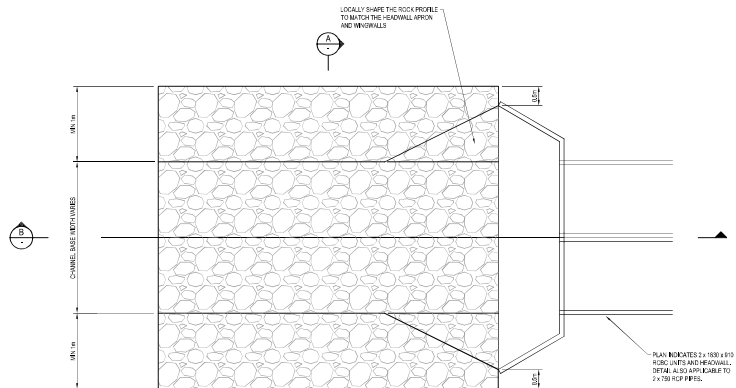
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Drafting: J. GREEN	Design Check: B. BATCHELDER	Project: TYPICAL SECTIONS - ACCESS ROADS
Approach: (Project Director)	Date:	Sheet No: A1
Scale: AS SHOWN	This drawing must not be altered without the signed approval of the Designer.	Drawing No: 21-24377-C313

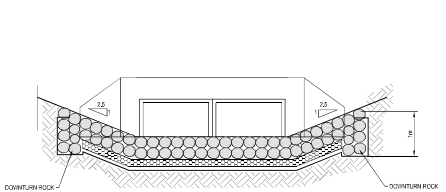
Rev: A

NOTES:

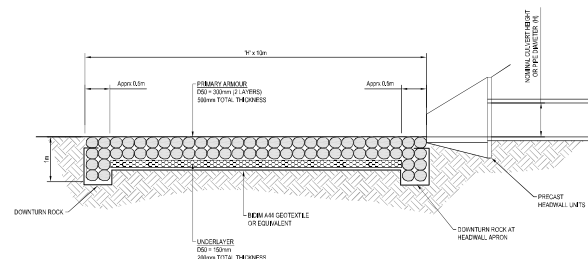
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CULVERT INLET/OUTLET SCOUR PROTECTING PLAN
SCALE 1:50



SECTION A
SCALE 1:50



SECTION B
SCALE 1:50



NO.	REVISION	DATE	BY	CHKD.	APP'D.
1	PRELIMINARY DESIGN	25.10.16	M.C.	D.G.	B.B.



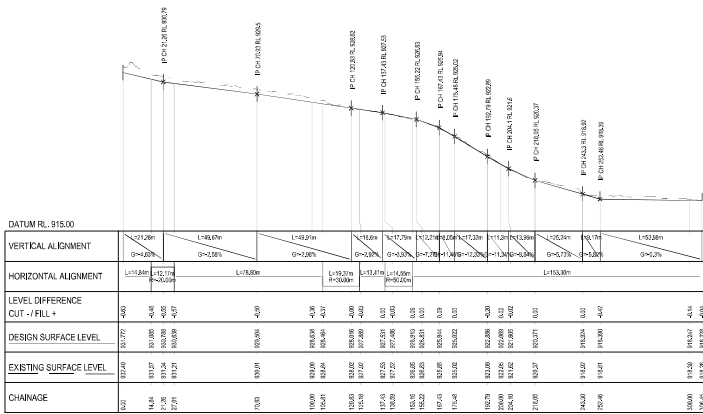
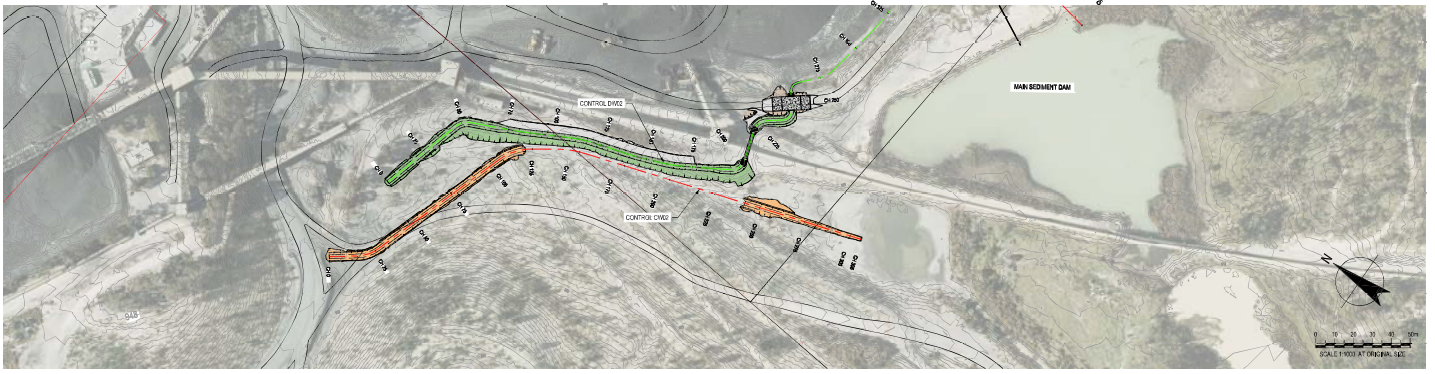
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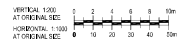
Drawn: M. COLLINGS	Designer: L. HAMMERLEY	Client: SPRINGVALE COAL - DIRTY AND CLEAN WATER SEPARATION PLANS
Drafting: J. GREEN	Design Check: B. BATCHELDER	Project: CULVERT SCOUR PROTECTION
Approach: (Project Director)	Date:	Sheet No: A1
Scale: AS SHOWN	This drawing must not be altered without the signed approval of the Designer.	Drawing No: 21-24377-C314

Rev: A



LONGITUDINAL SECTION - CONTROL CW02
SCALE 1:1000/1:2000

- NOTES:**
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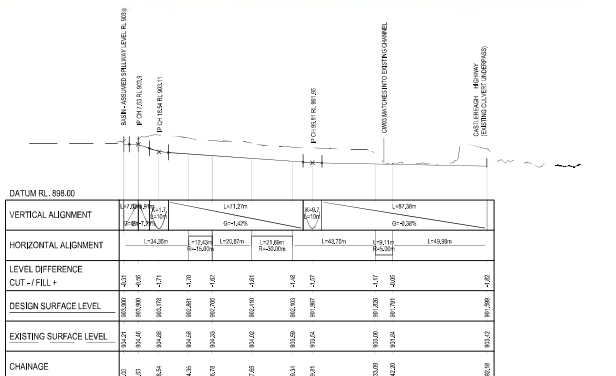
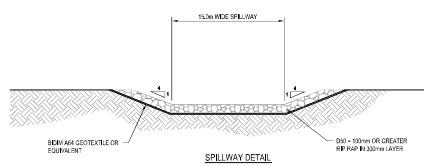


B DRAWING UPDATED		M.C.	D.G.	B.B.	24.11.16
A PRELIMINARY DESIGN		M.C.	D.G.	B.B.	25.10.16
Rev	Description	Drawn	Checked	Discussed	Date

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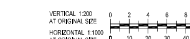
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 Designer: L. HAMMERSLEY
 Client: SPRINGVALE COAL - DIRTY AND CLEAN WATER SEPARATION PLANS
 Drafting: G. GREEN
 Design Check: B. BATCHELDER
 Project: CLEAN WATER DRAIN CW02
 Title: PLAN AND LONGITUDINAL SECTION
 Scale: AS SHOWN
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SPRINGVALE COAL - DIRTY AND CLEAN WATER SEPARATION PLANS
CLEAN WATER DRAIN CW02
PLAN AND LONGITUDINAL SECTION
 Drawing No: 21-24377-C322
 Rev: B



LONGITUDINAL SECTION - CONTROL CW03
SCALE 1:1000/1:2000

- NOTES:**
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 - ALL DAMIFICATION WORKS ARE TO BE SUPERVISED BY SUITABLY QUALIFIED DAM ENGINEER.

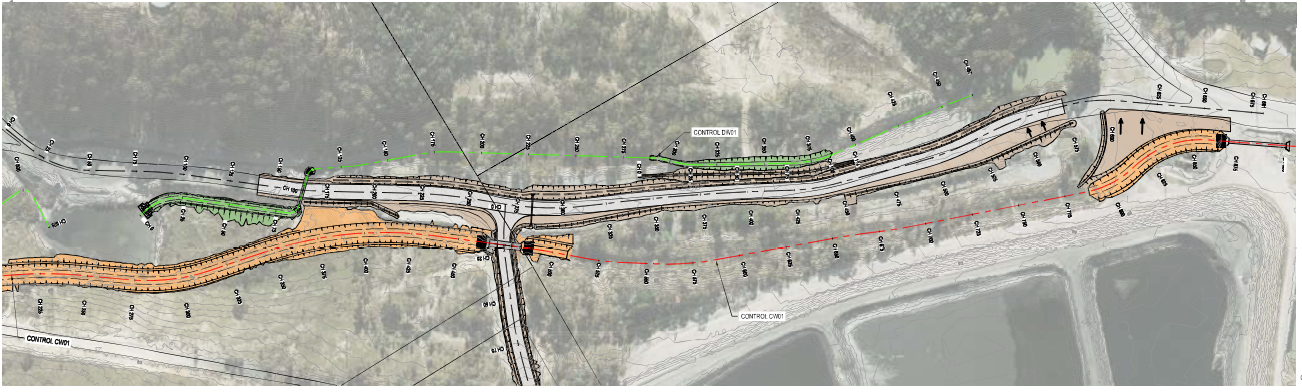


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Rev	Description	Drawn	Checked	Discussed	Date

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 Drafting: G. GREEN
 Design Check: B. BATCHELDER
 Project: CLEAN WATER DRAIN CW03
 Title: PLAN AND LONGITUDINAL SECTION
 Scale: AS SHOWN
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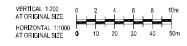
SPRINGVALE COAL - DIRTY AND CLEAN WATER SEPARATION PLANS
CLEAN WATER DRAIN CW03
PLAN AND LONGITUDINAL SECTION
 Drawing No: 21-24377-C323
 Rev: B



DATUM RL 902.00	
VERTICAL ALIGNMENT	L=14.16m G=-4.25%
HORIZONTAL ALIGNMENT	S+0+00 to S+0+27.00 S+0+27.00 to S+0+29.00
LEVEL DIFFERENCE CUT + FILL +	0.00
DESIGN SURFACE LEVEL	900.00
EXISTING SURFACE LEVEL	900.00
CHAINAGE	0+00

LONGITUDINAL SECTION - CONTROL DW1
SCALE 1:1000 AT ORIGINAL SIZE

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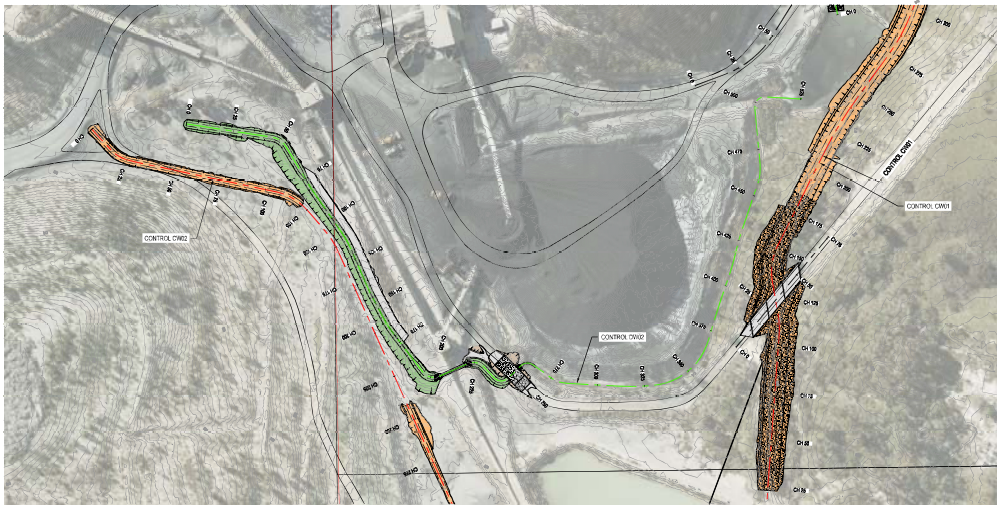
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A PRELIMINARY DESIGN	M.C.	D.G.	B.B.	25.10.16
Rev	Project	Task	Drawn	Checked

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 Designer: L. HAMMERSLEY
 Client: SPRINGVALE COAL - DIRTY AND CLEAN WATER SEPARATION PLANS
 Project: DIRTY WATER DRAIN DW01
 Table: PLAN AND LONGITUDINAL SECTION
 Drawing No: 21-24377-C324
 Rev: B

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DATUM RL 906.00	
VERTICAL ALIGNMENT	L=13.25m G=-4.25%
HORIZONTAL ALIGNMENT	S+0+00 to S+0+13.25 S+0+13.25 to S+0+15.00 S+0+15.00 to S+0+17.21 S+0+17.21 to S+0+18.00 S+0+18.00 to S+0+19.00 S+0+19.00 to S+0+20.00 S+0+20.00 to S+0+21.00 S+0+21.00 to S+0+22.00 S+0+22.00 to S+0+23.00 S+0+23.00 to S+0+24.00 S+0+24.00 to S+0+25.00 S+0+25.00 to S+0+26.00 S+0+26.00 to S+0+27.00 S+0+27.00 to S+0+28.00 S+0+28.00 to S+0+29.00 S+0+29.00 to S+0+30.00 S+0+30.00 to S+0+31.00 S+0+31.00 to S+0+32.00 S+0+32.00 to S+0+33.00 S+0+33.00 to S+0+34.00 S+0+34.00 to S+0+35.00 S+0+35.00 to S+0+36.00 S+0+36.00 to S+0+37.00 S+0+37.00 to S+0+38.00 S+0+38.00 to S+0+39.00 S+0+39.00 to S+0+40.00 S+0+40.00 to S+0+41.00 S+0+41.00 to S+0+42.00 S+0+42.00 to S+0+43.00 S+0+43.00 to S+0+44.00 S+0+44.00 to S+0+45.00 S+0+45.00 to S+0+46.00 S+0+46.00 to S+0+47.00 S+0+47.00 to S+0+48.00 S+0+48.00 to S+0+49.00 S+0+49.00 to S+0+50.00 S+0+50.00 to S+0+51.00 S+0+51.00 to S+0+52.00 S+0+52.00 to S+0+53.00 S+0+53.00 to S+0+54.00 S+0+54.00 to S+0+55.00 S+0+55.00 to S+0+56.00 S+0+56.00 to 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