



Central Queensland Coal Project
Appendix 16c – Mine Haul Road Civil
Drawings

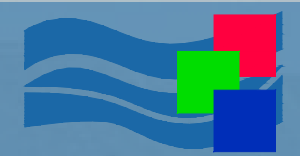
Central Queensland Coal

CQC SEIS, Version 3

October 2020

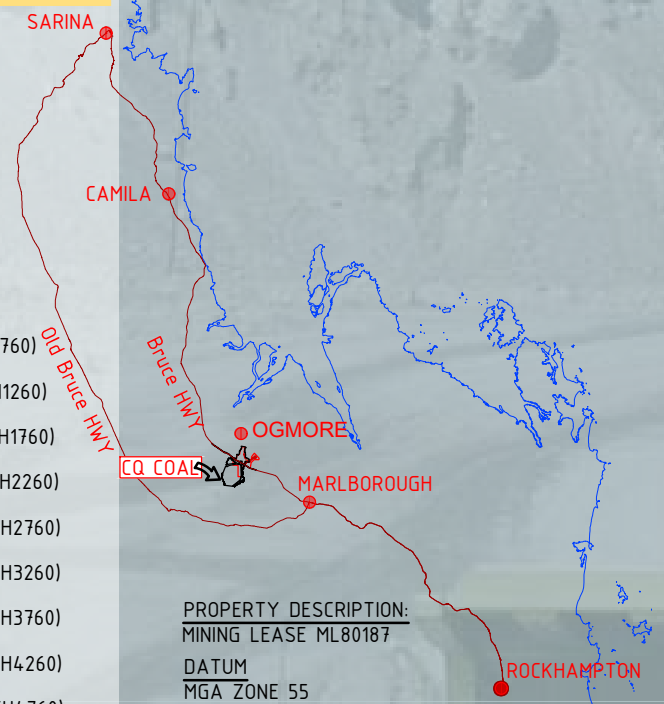


CENTRAL QUEENSLAND COAL



DRAWING INDEX

SHEET	DWG NO.	REV	DESCRIPTION
CIVIL WORKS			
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CHPP/MIA - TLO HAUL ROAD			
2	G1706-02-HR-1	4	ALIGNMENT SETOUTS SHEET 1 OF 2
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30	G1706-02-HR-29	4	CULVERT SECTIONS CULVERT SECTIONS CH3030 - CH6450



IMPORTANT NOTICE

- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CAPRICORN MUNICIPAL DEVELOPMENT GUIDELINES UNLESS DIRECTED OTHERWISE. SPECIFICATIONS AND STANDARD DRAWINGS ARE AVAILABLE FROM <http://www.cmdg.com.au/>.
- THE CONTRACTOR MUST AT ALL TIMES ADOPT 'SAFE' WORK PRACTICES, CONSTRUCTION TECHNIQUES & MUST ENSURE THAT THE SITE IS ALWAYS MANAGED IN A MANNER THAT ENSURES THE SAFETY & WELL BEING OF PROPERTY, ENVIRONMENT & PERSONNEL AND OTHERS ENTERING THE SITE & ADJACENT TO THE SITE. A 'ZERO HARM' POLICY IS REQUIRED TO BE ENFORCED AT ALL TIMES.
- THESE DRAWINGS HAVE BEEN PREPARED FOR THE EXPRESS USE BY CENTRAL QUEENSLAND COAL FOR THE CONSTRUCTION OF THE CENTRAL QUEENSLAND COAL MINE CIVIL WORKS. THEY ARE NOT INTENDED TO BE USED FOR ANY OTHER PURPOSE WHATSOEVER.
- AUSTRALIAN MINING ENGINEERING CONSULTANTS PTY LTD ACCEPTS NO RESPONSIBILITY WHATSOEVER FOR ANY LOSS OR DAMAGE SUFFERED HOWSOEVER ARISING TO ANY PERSON OR CORPORATION WHO MAY RELY ON OR USE THESE DRAWINGS IN CONTRAVENTION OF THE TERMS OF ANY NOTES SHOWN ON THIS SET OF DRAWINGS.
- THESE NOTES FORM AN INTEGRAL PART OF THIS SET OF DRAWINGS.
- SAFETY IN DESIGN INFORMATION. THE CONTRACTOR IS ADVISED THAT THERE MAY BE ADDITIONAL HAZARDS/RISKS NOT NORMALLY ASSOCIATED OR INFERRED WITH THE TYPE OF WORKS DETAILED ON THESE DRAWINGS.

EXISTING LEVELS AND SERVICES

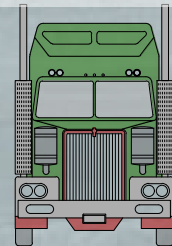
- NO WORK IS TO BE STARTED WITHIN 3m OF EXISTING SERVICES PRIOR TO NOTIFYING THE RELEVANT SERVICE AUTHORITY. DETAILS OF EXISTING SERVICES INCLUDING LOCATIONS POSITION AND LEVEL THAT HAVE ALREADY BEEN DETERMINED ARE SHOWN ON THE DRAWINGS. PRIOR TO COMMENCING CONSTRUCTION WORKS THE CONTRACTOR SHALL OBTAIN THE NECESSARY SERVICE DETAILS FROM 'DIAL BEFORE YOU DIG' AND THE SERVICE AUTHORITY FOR ALL SERVICES SHOWN ON THE DRAWINGS AND ANY OTHERS STILL TO BE LOCATED. CONNECTION TO EXISTING SERVICES SHALL BE CARRIED OUT BY THE RELEVANT SERVICE AUTHORITY UNLESS AUTHORISED OTHERWISE BY THE AUTHORITY. ANY WORKS WITHIN THE VICINITY OF EXISTING SERVICES INCLUDING ANY REQUIREMENTS FOR PROTECTION WORKS TO THE SERVICES SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE SERVICE AUTHORITY.
- THE CONTRACTOR MUST VERIFY THAT THE EXISTING LEVELS AT POINTS WHERE CONNECTIONS TO EXISTING INFRASTRUCTURE ARE REQUIRED ARE AS PER THIS DESIGN. ANY DIFFERENCES TO BE NOTIFIED TO THE ENGINEER PRIOR TO ORDERING MATERIALS OR COMMENCING ANY WORKS.
- PRIOR TO COMMENCING WORKS THE CONTRACTOR MUST VERIFY LOCATION AND DETAILS OF ALL EXISTING SERVICE CONNECTIONS TO NEW ALLOTMENTS PREVIOUSLY INSTALLED BY OTHERS

ENVIRONMENTAL MANAGEMENT

- THE CONTRACTOR IS DEEMED TO BE FAMILIAR WITH THE CURRENT ENVIRONMENTAL LAWS AND HIS LEGAL RESPONSIBILITIES AND LIABILITIES UNDER THE LAWS.
- THE CONTRACTOR IS DEEMED TO BE RESPONSIBLE FOR THE ENVIRONMENTAL MANAGEMENT OF THE SITE FOR THE DURATION OF THE CONTRACT AND IS RESPONSIBLE FOR ANY BREACHES TO THE LAWS.
- THE CONTRACTOR MUST HAVE AND MAINTAIN IN FORCE AN ENVIRONMENTAL PLAN FOR THE DURATION OF THE CONTRACT WHICH SHALL INCORPORATE BUT NOT BE LIMITED TO ANY SEDIMENT AND EROSION CONTROL REQUIREMENTS INCLUDED IN THE CONTRACT DOCUMENTATION.
- ENVIRONMENTAL LAW REQUIRES THE CONTRACTOR TO EXERCISE DUE DILIGENCE IN PREVENTING THE OPERATIONS OF HIS PERSONEL AND OTHERS WHO ENTER THE SITE WITH OR WITHOUT HIS PERMISSION FROM BREACHING ENVIRONMENTAL LAWS.
- ANY BREACH TO THE LAWS MUST BE REPORTED TO THE APPROPRIATE AUTHORITIES AS SOON AS POSSIBLE.

STANDARD DRAWINGS

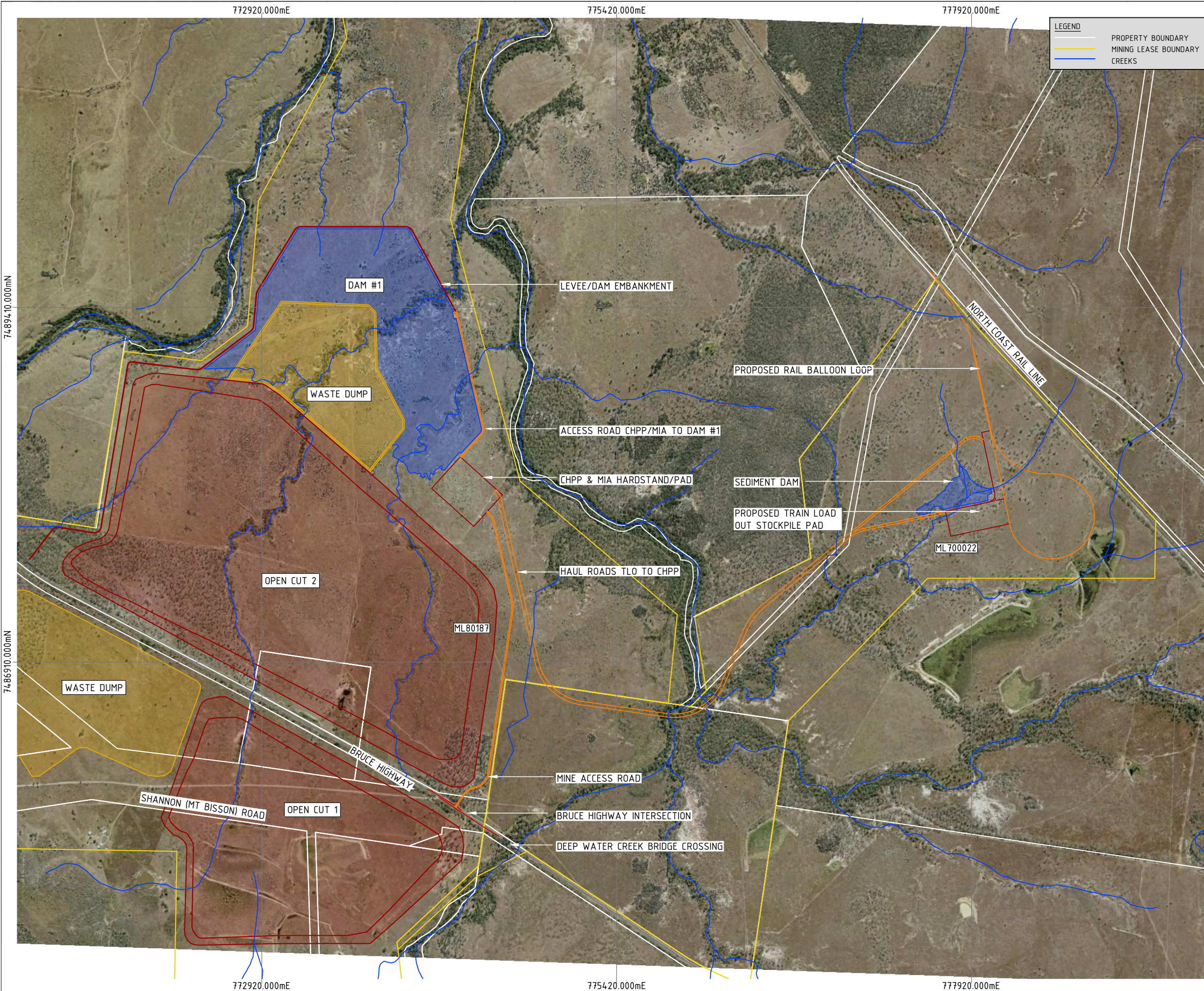
- UNLESS NOTED OTHERWISE REFERENCES TO STANDARD DRAWINGS "STD DWG" ARE CAPRICORN MUNICIPAL DEVELOPMENT GUIDELINES (CMDG) STANDARD DRAWINGS OR TRANSPORT MAIN ROADS (TMR) STANDARD DRAWINGS.



CENTRAL QUEENSLAND COAL MINE
HAUL ROAD CHPP/MIA TO TLO
JOB NO. G2001/01



AUSTRALIAN MINING
ENGINEERING CONSULTANTS



LEGEND

- PROPERTY BOUNDARY
- MINING LEASE BOUNDARY
- CREEKS

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55



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AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	19/04/18	FIRST ISSUE	GK
2	29/06/18	UPDATED POST TMR	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES

DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN: ASC DATE 22/07/17

DESIGN: ASC DATE 22/07/17



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RPEQ 4321 AUTHORIZED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
 CENTRAL QUEENSLAND COAL PROJECT
 CIVIL WORKS
 SITE PLAN

FILE NO: G1706-02-GA1.DWG

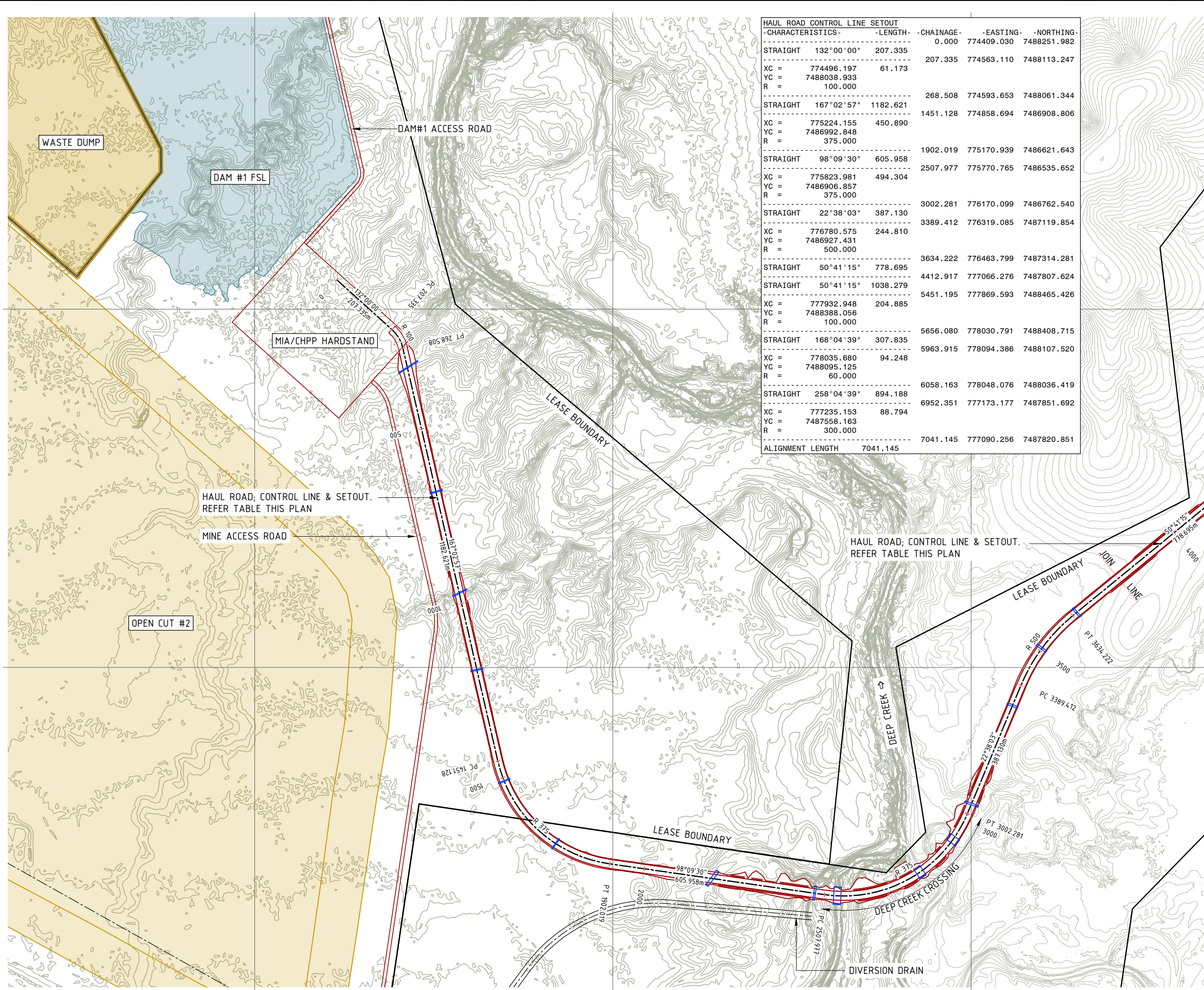
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DRAWING NUMBER: G1706-02-GA-1 ISSUE SHEET NO: 4 1

PRINT IN COLOUR

02_g2001-01-hr1 (haul rd site plan).dwg



HAUL ROAD CONTROL LINE SETOUT				
-CHARACTERISTICS-	-LENGTH-	-CHAINAGE-	-EASTING-	-NORTHING-
STRAIGHT 132°00'00"	207.335	0.000	774409.030	7488251.982
XC = 774496.197	61.173	207.335	774563.110	7488113.247
YC = 7488038.933				
R = 100.000				
STRAIGHT 167°02'57"	1182.621	268.508	774593.653	7488061.344
XC = 775224.155	450.890	1451.128	774858.694	7486908.806
YC = 7486992.848				
R = 375.000				
STRAIGHT 98°09'30"	605.958	1902.019	775170.939	7486621.643
XC = 775823.981	494.304	2507.977	775770.765	7486535.652
YC = 7486906.857				
R = 375.000				
STRAIGHT 22°38'03"	387.130	3002.281	776170.099	7486762.540
XC = 776780.575	244.810	3389.412	776319.085	7487119.854
YC = 7486927.431				
R = 500.000				
STRAIGHT 50°41'15"	778.695	3634.222	776463.799	7487314.281
XC = 777932.948	204.885	4412.917	777066.276	7487807.624
YC = 7488388.056				
R = 100.000				
STRAIGHT 50°41'15"	1038.279	5451.195	777869.593	7488465.426
XC = 777932.948	204.885	5656.080	778030.791	7488408.715
YC = 7488388.056				
R = 100.000				
STRAIGHT 168°04'39"	307.835	5963.915	778094.386	7488107.520
XC = 778035.680	94.248	6058.163	778048.076	7488036.419
YC = 7488095.125				
R = 60.000				
STRAIGHT 258°04'39"	894.188	6952.351	777173.177	7487851.692
XC = 777235.153	88.794	7041.145	777090.256	7487820.851
YC = 7487558.163				
R = 300.000				
ALIGNMENT LENGTH	7041.145			

DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



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AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES	TITLE
DRAWING NO. G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



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AUTHORISED FOR ISSUE  DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
ALIGNMENT SETOUT SHEET 1 OF 2

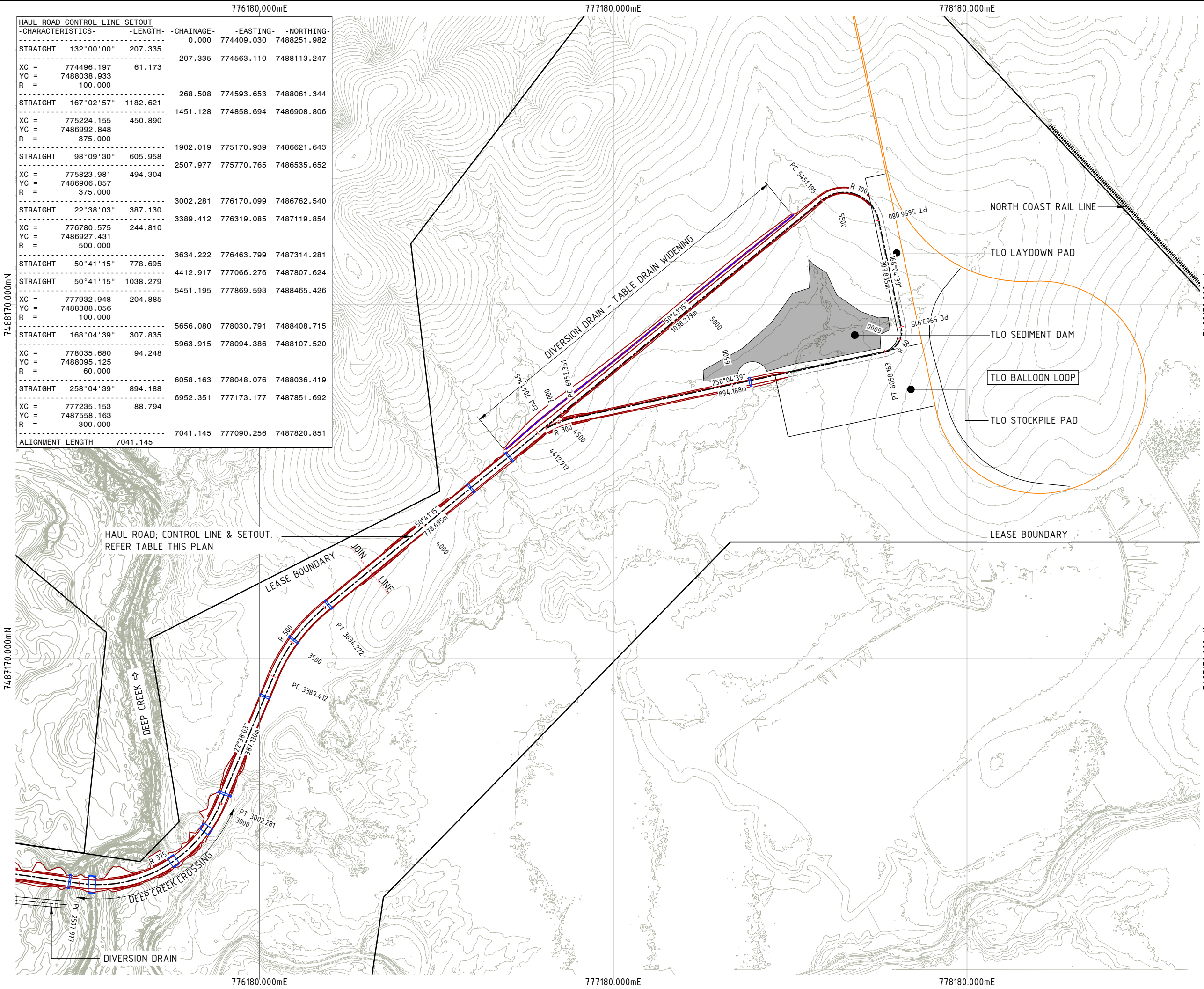
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JOB NO
G2001/01

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DRAWING NUMBER
G1706-02-HR-1
ISSUE SHEET NO.
4 | 2

PRINT IN COLOUR

02_g2001-01-hr1 (haul rd site plan).dwg



HAUL ROAD CONTROL LINE SETOUT					
-CHARACTERISTICS-	-LENGTH-	-CHAINAGE-	-EASTING-	-NORTHING-	
STRAIGHT	132°00'00"	207.335	0.000	774409.030	7488251.982
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YC =	7487558.163				
R =	300.000				
			7041.145	777090.256	7487820.851
ALIGNMENT LENGTH		7041.145			

HAUL ROAD; CONTROL LINE & SETOUT. REFER TABLE THIS PLAN

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO

SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



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1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



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RPEQ 4321
AUTHORISED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
ALIGNMENT SETOUT SHEET 2 OF 2

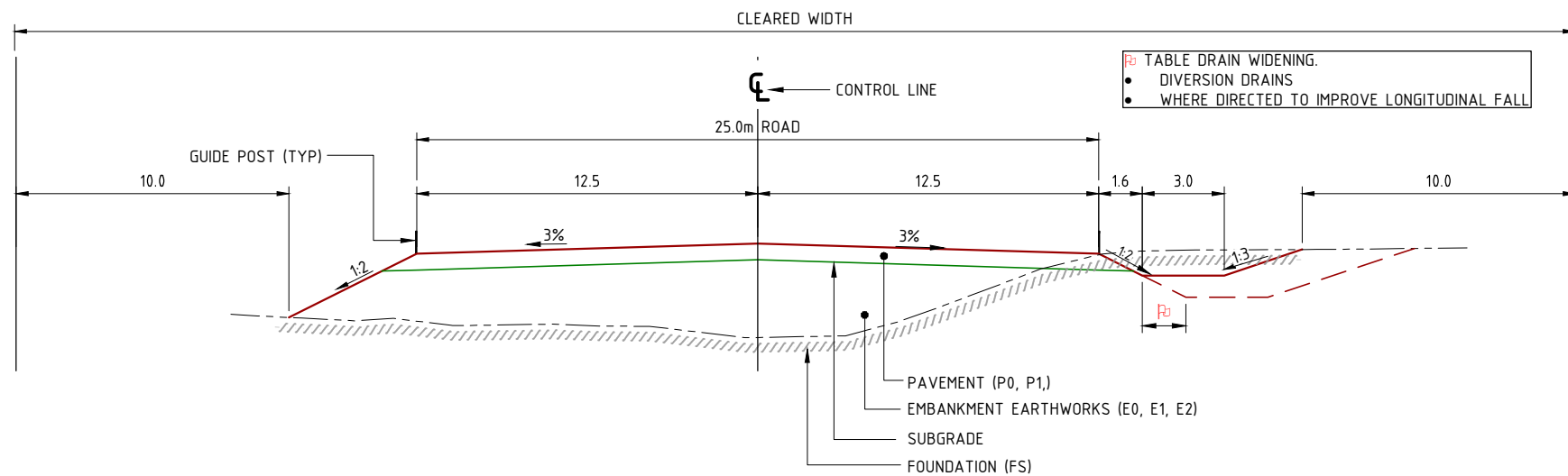
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G2001-01-HR1.DWG
JOB NO
G2001/01

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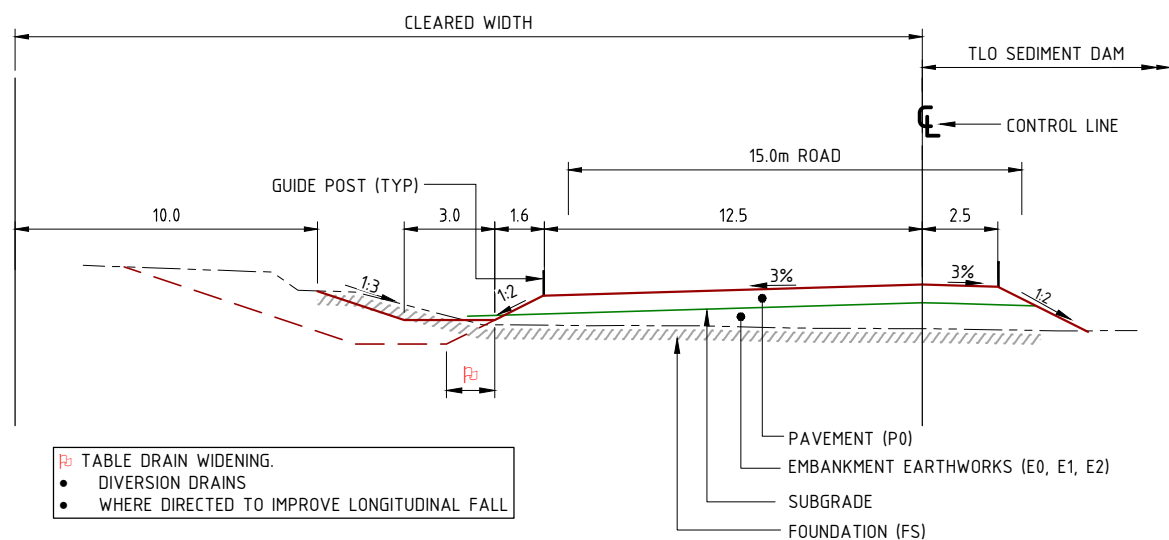
DRAWING NUMBER
G1706-02-HR-2
ISSUE SHEET NO.
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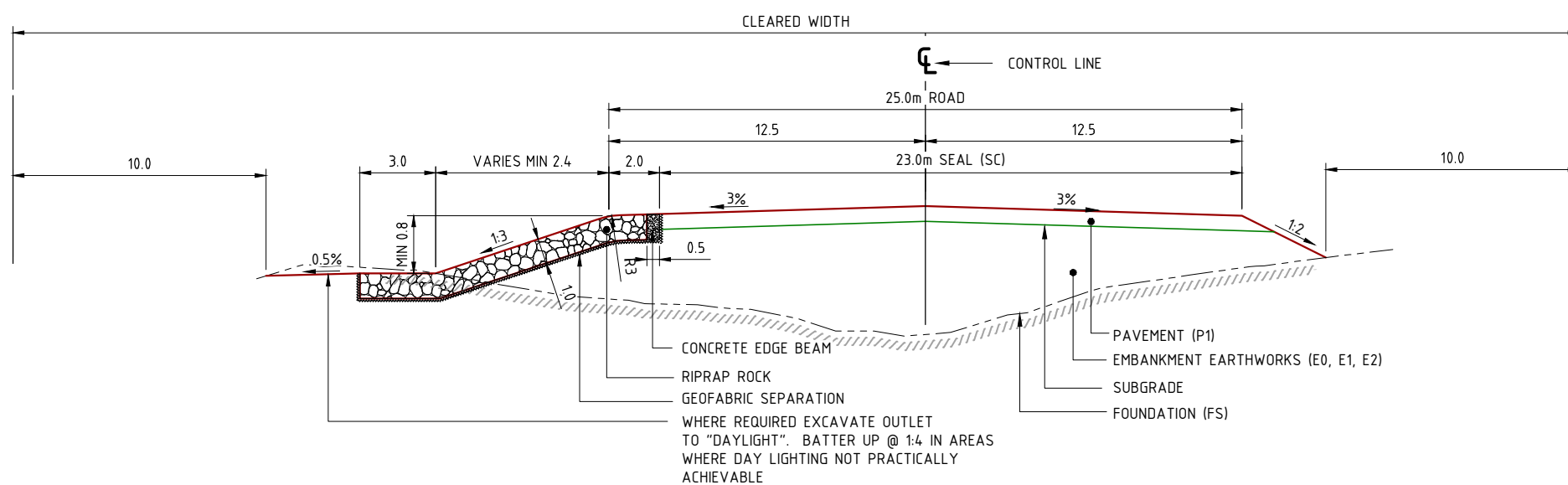
03. g2001-01-hr2 (haul rd type_xsecs).dwg



TYPE CROSS SECTION "A" HAUL ROAD 2-WAY



TYPE CROSS SECTION "B" HAUL ROAD 1-WAY



TYPE CROSS SECTION "C" HAUL ROAD FLOODWAY

LEGEND

- ROAD & CHANNEL PROFILE
- SUBGRADE
- NATURAL SURFACE

- NOTES**
- CONNECTION TO EXISTING WORKS: LEVELS MAY BE VARIED WHERE NECESSARY TO ACHIEVE A SATISFACTORY SMOOTH CONNECTION TO EXISTING WORKS
 - EMBANKMENT EARTHWORKS GENERAL (E0): WELL GRADED LOCALLY SOURCED NON DISPERSIVE MATERIAL; MAX PARTICLE SIZE 150mm; & EMMERSON DISPERSION CLASSIFICATION GREATER THAN 4.
 - EMBANKMENT EARTHWORKS ADDITIONAL REQUIREMENTS (E1) FOR SECTIONS NOT ACTING AS DAM WALLS: LL < 30% & PI < 15%.
 - EMBANKMENT EARTHWORKS ADDITIONAL REQUIREMENTS (E2) FOR SECTIONS ACTING AS DAM WALLS UP TO FULL SUPPLY LEVEL: WELL GRADED SANDY/SILTY CLAY MATERIAL; LL 30% - 60%; PI 15% - 45%; & MIN 20% PASSING 75µm.
 - FOUNDATION PREPARATION (FS): TOPSOIL STRIPPING - 100 TO 300mm.
 - BATTERS & DRAINS: OUTER FACE OF BATTERS TO BE WHEEL ROLLED; BATTERS & DRAINS TO BE FINAL TRIMMED; & RE-SPREAD MIN 100mm TOPSOIL ON FINISHED SURFACE.
 - RE-VEGETATION OF BATTERS & DRAINS: TO BE ADVISED BY PRINCIPAL.
 - RIP ROCK ROCK LINING DRAINS & OUTLETS: RIP RAP ROCK LINING TO BE UNIFORMLY GRADED 0.5m THK DENSE, HARD & DURABLE MATERIAL; D₅₀ SIZE 150mm & MAX SIZE 300mm. FINISHED SURFACE TO MATCH DESIGN SURFACE LEVELS. VOIDS TO BE FILLED WITH TOPSOIL.
 - PAVEMENT DETAILS GENERAL (P0): BASE COURSE 600mm COMPACTED DEPTH FRESH PERMIAN SANDSTONE SPOIL. MATERIALS TO BE SUPPLIED IN STOCKPILE BY THE MINE.
 - PAVEMENT DETAILS FLOODWAY (P1): BASE COURSE 150mm COMPACTED DEPTH TMR TYPE 2.1 GRAVEL STABILISED WITH 4% CEMENT BY WEIGHT; SUB BASE 450mm COMPACTED DEPTH FRESH PERMIAN SANDSTONE SPOIL.
 - PAVEMENT SEAL COAT (SC): PROPRIETARY PRODUCT PRIME + 2 COAT BITUMEN SEAL - PRIME BITUMEN GRADE AMCO; SEAL COAT(1) BITUMEN GRADE C170 + 10mm AGGREGATE; SEAL COAT(2) BITUMEN GRADE C170 + 16mm AGGREGATE. RATE TO BE CONFIRMED WITH SUPPLIER.
 - RIPRAP ROCK FLOODWAY PROTECTION WORKS: GRADING - MAX SIZE 0.75m, 50% LARGER THAN 0.55m & 90% LARGER THAN 0.3m; GEOFABRIC UNDERLAY - BIDIM @ A34 OR EQUIV.
 - ROAD SIGNS: INSTALLATION AS PER STANDARD DRAWING CMDG-R-081. ALL SIGNS SIZE 'B'.
 - GUIDEPOSTS: ON STRAIGHTS TO INSTALLED IN PAIRS AT 300m SPACINGS. ON CURVES PROVIDE POSTS AT 6m SPACING ON INSIDE OF CURVE AND 12m SPACING ON OUTSIDE OF CURVE. AT SINGLE BARREL CULVERT CROSSINGS PROVIDE 2 POSTS EACH END ON EITHER SIDE. FOR MULTIPLE BARREL CROSSINGS PROVIDE ADDITIONAL POSTS WITHIN THE CROSSING AT 1m SPACINGS. GUIDE POSTS TO BE SAFEROADS FLEXLOC @ OR APPROVED EQUIV. INSTALLATION AS PER TMR STANDARD DRAWING 1356.
 - AUDIT TESTING/COMPLIANCE REQUIREMENT: REFER TABLE PLAN HR4.

DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO

SURVEY DATUM MGA55



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AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
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XREF FILES

DRAWING NO.	TITLE

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



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RPEQ 4321
 AUTHORIZED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
 CENTRAL QUEENSLAND COAL PROJECT
 CIVIL WORKS
 HAUL ROAD
 TYPE CROSS SECTION & DETAILS
 SHEET 1 OF 2

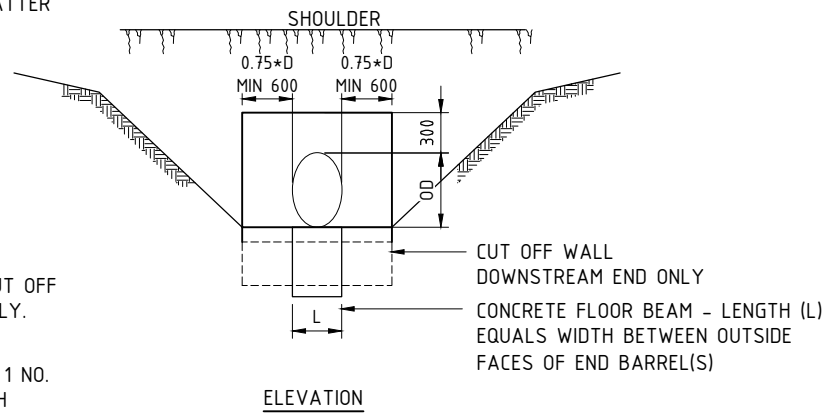
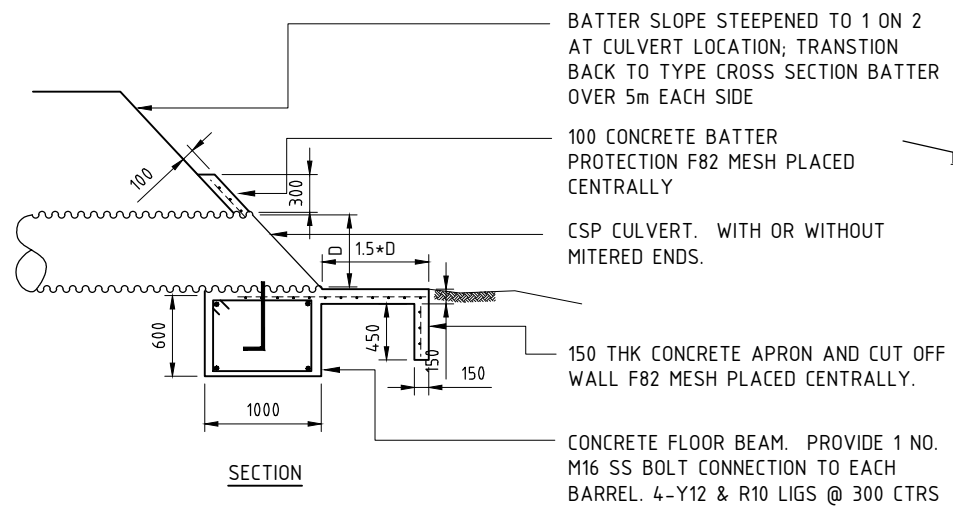
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 JOB NO
 G2001/01

SCALE
 NOT TO SCALE
 AT
 A3 SIZE

DRAWING NUMBER
 G1706-02-HR-3
 ISSUE SHEET NO.
 4 4

PRINT IN COLOUR

03. g2001-01-hr2 (haul rd type_xsecs).dwg



- NOTES**
- CULVERTS: ALL CULVERTS UNLESS SHOWN OTHERWISE TO BE HELICAL LOCK SEAM CORRUGATED STEEL 2.0mm PLATE PIPES. ALL ENDS TO BE MITRED TO MATCH THE EMBANKMENT SLOPE. GROUND SLOPES ARE VERY FLAT & INVERT LEVELS MAY NEED TO BE ADJUSTED ON SITE TO SUIT.
 - EXCAVATE CULVERT INLETS & OUTLETS AS REQUIRED TO PROVIDE FREE DRAINAGE. SLOPES TO BE AS FLAT AS POSSIBLE & NOT TO BE STEEPER THAN 1:4 UNLESS APPROVED OTHERWISE.
 - CONCRETE EDGE BEAM RIPRAP ROCK PROTECTION WORKS: N32 CONCRETE; 3-N20 BARS TOP & BTM; N12 LIGS @ 0.75m CTRS; & JOINTS @20m CTRS.

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XREF FILES

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DRAWN ASC DATE 05/18
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BRISBANE, GLADSTONE

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CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
TYPE CROSS SECTION & DETAILS
SHEET 2 OF 2

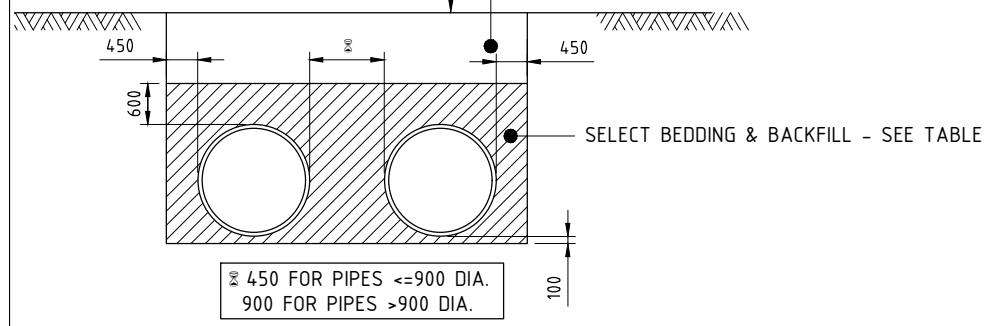
FILE NO G2001-01-HR2.DWG
JOB NO G2001/01
SCALE AT A3 SIZE
DRAWING NUMBER G1706-02-HR-4 ISSUE SHEET NO. 4 5

IN EMBANKMENTS, CONSTRUCT EMBANKMENT TO MINIMUM 600mm ABOVE TOP OF BARREL AND THEN EXCAVATE FOR CULVERT. WIDTH OF EXCAVATION NOT TO EXCEED DIMENSIONS SHOWN.
BACKFILL - INSITU MATERIAL. COMPACT TO MIN. 95% MAXIMUM DRY DENSITY STANDARD COMPACTION AS DETERMINED IN ACCORDANCE WITH AS1289.E.1.1 OR AS1289.E.1.2.

HELICOR PIPE BEDDING & BACKFILL. DETAILS

SIEVE SIZE	MASS OF SAMPLE PASSING %
75	100
53	80 - 100
9.5	60 - 85
2.36	25 - 75
0.075	0 - 10

SELECT BACKFILL MATERIAL SHALL COMPLY WITH THESE GRADING REQUIREMENTS & HAVE A MAXIMUM LINEAR SHRINKAGE OF 8% DETERMINED IN ACCORDANCE WITH AS1289.C4.1. ALL BACKFILL MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY FOR STANDARD COMPACTION EFFORT AS DETERMINED IN ACCORDANCE WITH AS1289.E.1.1 OR AS1289.E.1.2. HELICOR PIPE COMPONENTS - AS1761-1985. PIPE DESIGN AND CONSTRUCTION - AS1762-1984. REFER TO MANUFACTURER SPECS FOR FULL DETAILS. WITH AS1289.C4.1. ALL BACKFILL MATERIAL SHALL



BEDDING & BACKFILL

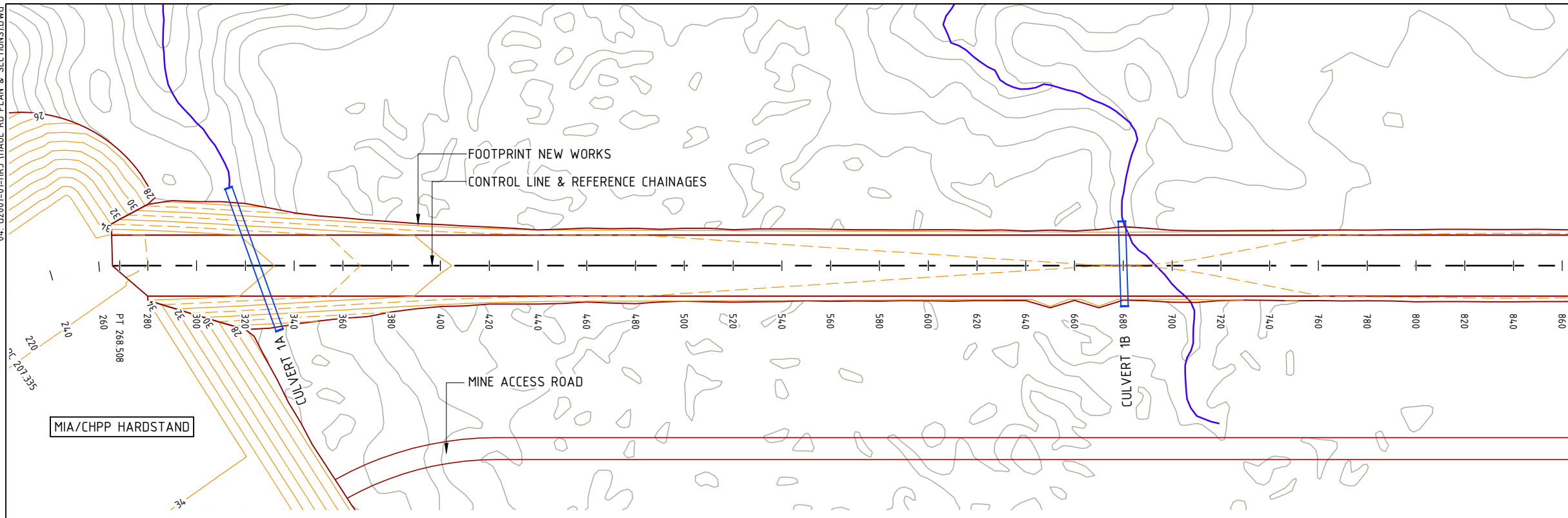
DETAIL FOR CSP CULVERT END TREATMENT DIMENSIONS MILLIMETRES

AUDIT TESTING SCHEDULE/COMPLIANCE STANDARDS

SUBGRADE CBR'S	CBR TO MAIN ROADS (TMR) TEST Q113A (4 DAY SOAKED SPECIMENS, 4 POINT)	ONE TEST PER MATERIAL CHANGE. PLAN SHOWING EXTENT OF EACH TYPE OF MATERIAL TESTED.
NATURAL SURFACE UNDER EMBANKMENTS AFTER STRIPPING (FS)	TOP 150mm FIELD DENSITY (AUSTRALIAN STANDARD)	ONE (1) PER 100 METRES OF ROAD, ALTERNATIVE SIDES; A MINIMUM OF 100% STANDARD COMPACTION IS REQUIRED TO BE ACHIEVED.
EMBANKMENT EARTHWORKS (E0, E1, E2)	FIELD DENSITY (AUSTRALIAN STANDARD)	ONE (1) PER 100 METRES OF ROAD, ALTERNATIVE SIDES; A MINIMUM OF 100% STANDARD COMPACTION IS REQUIRED TO BE ACHIEVED.
SUBGRADE PREPARATION	FIELD DENSITY (AUSTRALIAN STANDARD)	ONE (1) PER 100 METRES OF ROAD, ALTERNATIVE SIDES; A MINIMUM OF 100% STANDARD COMPACTION IS REQUIRED TO BE ACHIEVED.
	PROOF ROLL WITH LOADED WATER CART OR EQUIV.	ENTIRE AREA. NO VISIBLE FLEXING TO BE OBSERVED
PAVEMENT LAYERS (P0)	FIELD DENSITY (AUSTRALIAN STANDARD)	NOT APPLICABLE
PAVEMENT LAYERS BASE COURSE (P1)	FIELD DENSITY (AUSTRALIAN STANDARD)	ONE (1) PER 100 METRES OF ROAD, ALTERNATIVE SIDES; A MINIMUM OF 100% STANDARD COMPACTION IS REQUIRED TO BE ACHIEVED.
PAVEMENT MATERIAL (P0, P1)	QUALITY	FRESH PERMIAN SANDSTONE EX STOCKPILE PROVIDED BY MINE. NO TESTING REQUIRED BY CONTRACTOR.
	PROOF ROLL WITH LOADED WATER CART OR EQUIV.	ENTIRE AREA. NO VISIBLE FLEXING TO BE OBSERVED
CONCRETE FOR SLABS, HEADWALLS	COMPRESSION TEST (AUSTRALIAN STANDARD)	ONE (1) SET OF THREE CYLINDERS PER CULVERT INSTALLATION (1 X 7 DAYS, 2 X 28 DAYS).

PRINT IN COLOUR

04_G2001-01-HR3 (HAUL RD PLAN & SECTIONS).DWG



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
PH: 4978 4845
email: adslu3d8@tpg.com.au
BRISBANE, GLADSTONE

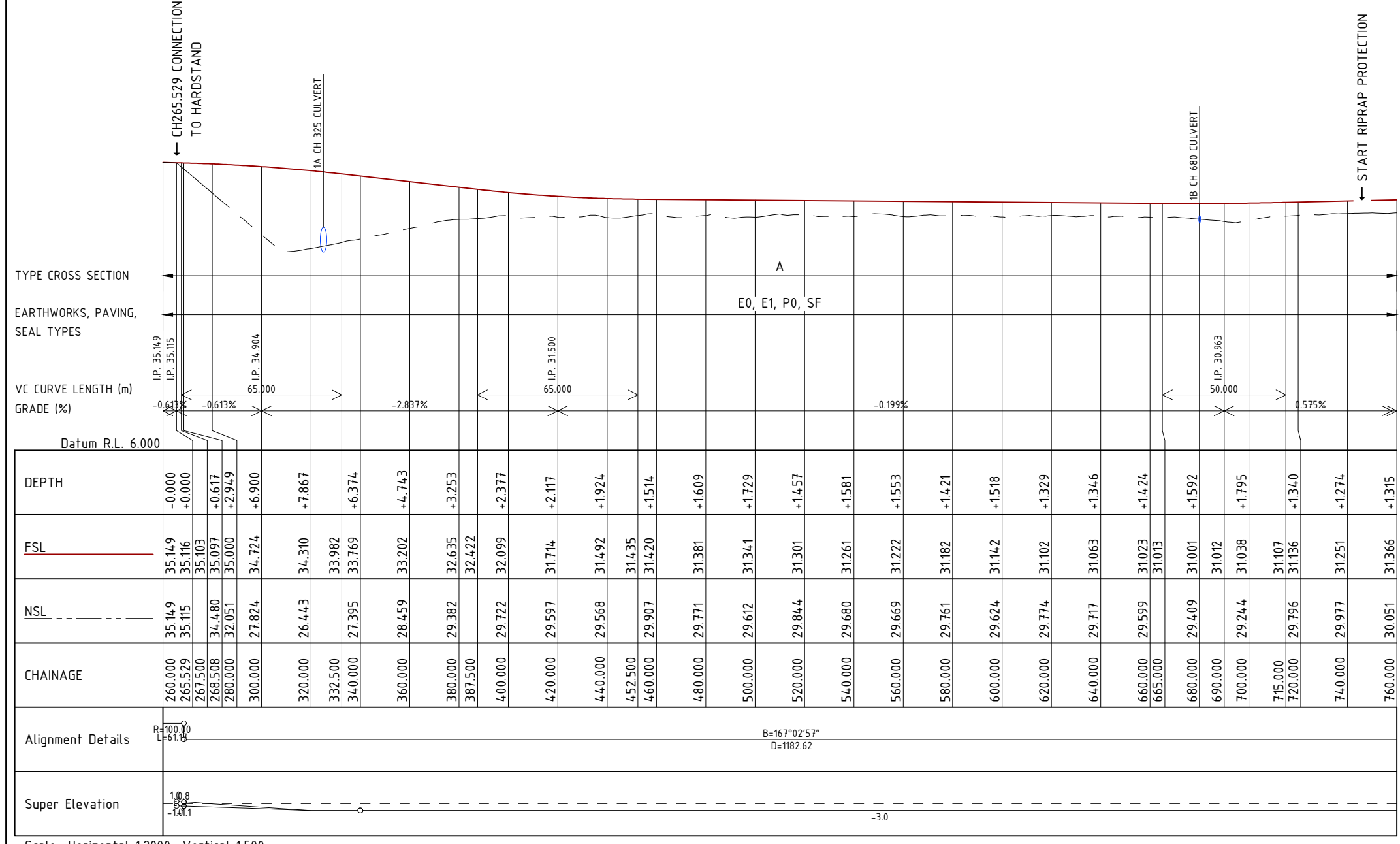
RPEQ 4321
AUTHORISED FOR ISSUE [Signature] DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 1 OF 13 (CH260-CH760)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01

SCALE
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0 1:500 VERT 10 A3 SIZE

DRAWING NUMBER
G1706-02-HR-5
ISSUE SHEET NO.
4 6

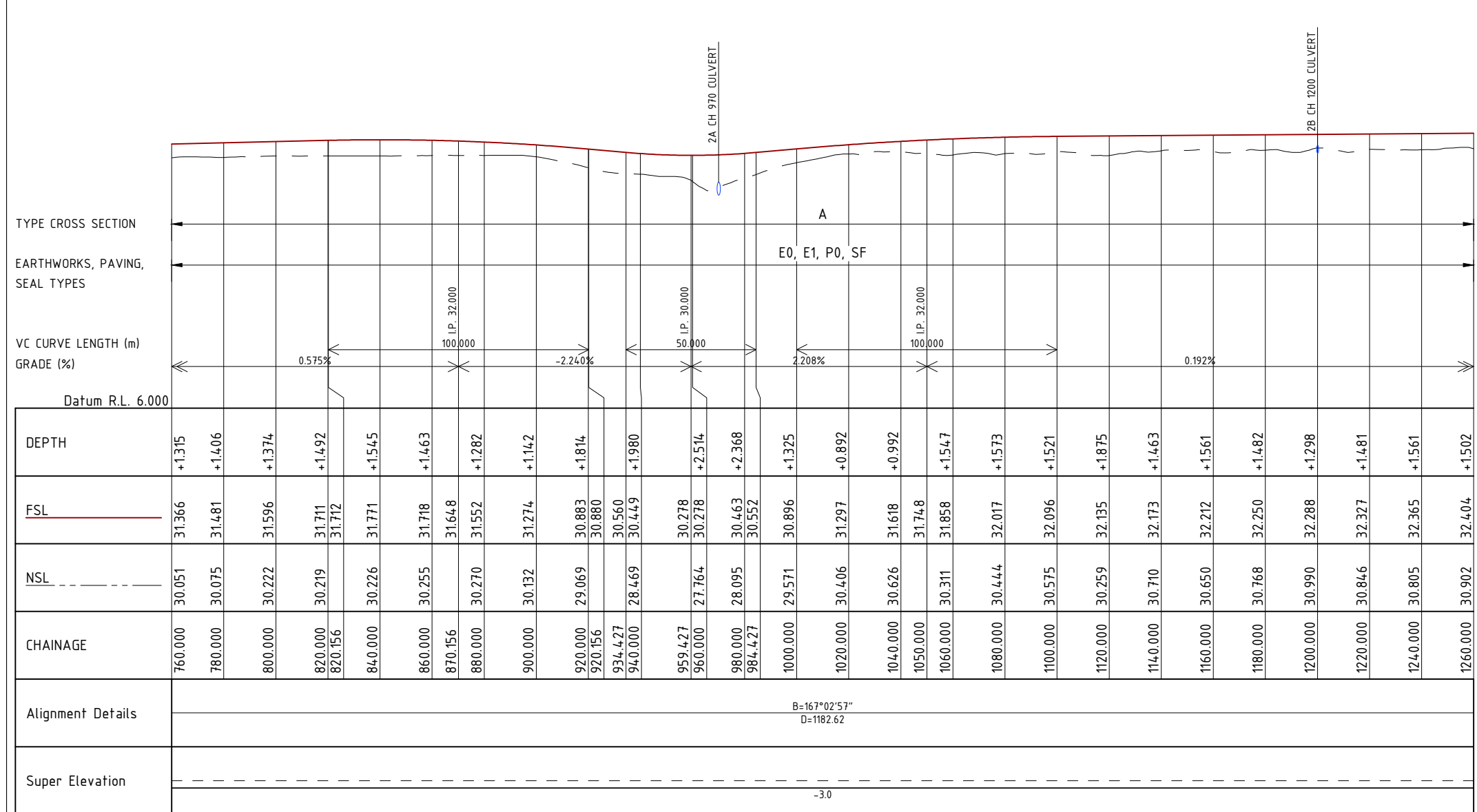
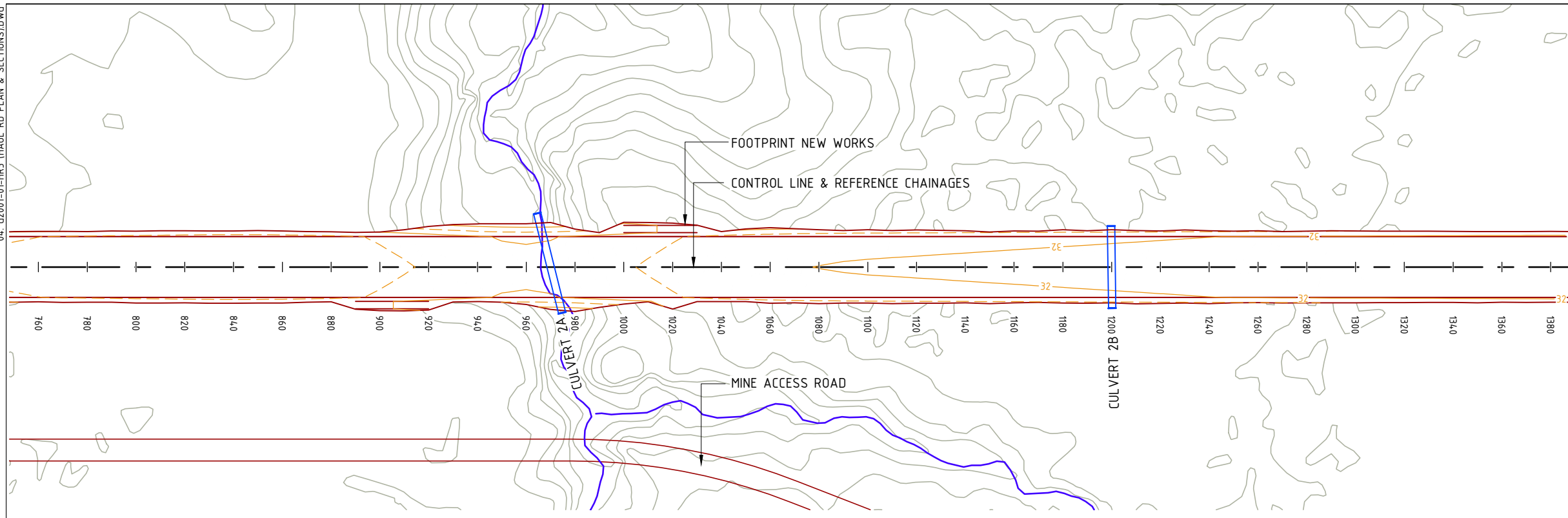


CONTROL LINE SETOUTS		
CHAINAGE	EASTING	NORTHING
265.529	774592.943	7488064.237
268.508	774593.653	7488061.344
270.000	774593.988	7488059.890
280.000	774596.229	7488050.144
290.000	774598.470	7488040.399
300.000	774600.711	7488030.653
310.000	774602.952	7488020.907
320.000	774605.193	7488011.162
330.000	774607.435	7488001.416
340.000	774609.676	7487991.670
350.000	774611.917	7487981.925
360.000	774614.158	7487972.179
370.000	774616.399	7487962.434
380.000	774618.640	7487952.688
390.000	774620.881	7487942.942
400.000	774623.122	7487933.197
410.000	774625.364	7487923.451
420.000	774627.605	7487913.705
430.000	774629.846	7487903.960
440.000	774632.087	7487894.214
450.000	774634.328	7487884.469
460.000	774636.569	7487874.723
470.000	774638.810	7487864.977
480.000	774641.052	7487855.232
490.000	774643.293	7487845.486
500.000	774645.534	7487835.740
510.000	774647.775	7487825.995
520.000	774650.016	7487816.249
530.000	774652.257	7487806.503
540.000	774654.498	7487796.758
550.000	774656.739	7487787.012
560.000	774658.981	7487777.267
570.000	774661.222	7487767.521
580.000	774663.463	7487757.775
590.000	774665.704	7487748.030
600.000	774667.945	7487738.284
610.000	774670.186	7487728.538
620.000	774672.427	7487718.793
630.000	774674.668	7487709.047
640.000	774676.910	7487699.302
650.000	774679.151	7487689.556
660.000	774681.392	7487679.810
670.000	774683.633	7487670.065
680.000	774685.874	7487660.319
690.000	774688.115	7487650.573
700.000	774690.356	7487640.828
710.000	774692.598	7487631.082
720.000	774694.839	7487621.336
730.000	774697.080	7487611.591
740.000	774699.321	7487601.845
750.000	774701.562	7487592.100
760.000	774703.803	7487582.354

Scale Horizontal 1:2000 Vertical 1:500

PRINT IN COLOUR

04_G2001-01-HR3 (HAUL RD PLAN & SECTIONS).DWG



CHAINAGE	EASTING	NORTHING
760.000	774703.803	7487582.354
770.000	774706.044	7487572.608
780.000	774708.285	7487562.863
790.000	774710.527	7487553.117
800.000	774712.768	7487543.371
810.000	774715.009	7487533.626
820.000	774717.250	7487523.880
830.000	774719.491	7487514.135
840.000	774721.732	7487504.389
850.000	774723.973	7487494.643
860.000	774726.214	7487484.898
870.000	774728.456	7487475.152
880.000	774730.697	7487465.406
890.000	774732.938	7487455.661
900.000	774735.179	7487445.915
910.000	774737.420	7487436.169
920.000	774739.661	7487426.424
930.000	774741.902	7487416.678
940.000	774744.144	7487406.933
950.000	774746.385	7487397.187
960.000	774748.626	7487387.441
970.000	774750.867	7487377.696
980.000	774753.108	7487367.950
990.000	774755.349	7487358.204
1000.000	774757.590	7487348.459
1010.000	774759.831	7487338.713
1020.000	774762.073	7487328.968
1030.000	774764.314	7487319.222
1040.000	774766.555	7487309.476
1050.000	774768.796	7487299.731
1060.000	774771.037	7487289.985
1070.000	774773.278	7487280.239
1080.000	774775.519	7487270.494
1090.000	774777.760	7487260.748
1100.000	774780.002	7487251.002
1110.000	774782.243	7487241.257
1120.000	774784.484	7487231.511
1130.000	774786.725	7487221.766
1140.000	774788.966	7487212.020
1150.000	774791.207	7487202.274
1160.000	774793.448	7487192.529
1170.000	774795.690	7487182.783
1180.000	774797.931	7487173.037
1190.000	774800.172	7487163.292
1200.000	774802.413	7487153.546
1210.000	774804.654	7487143.801
1220.000	774806.895	7487134.055
1230.000	774809.136	7487124.309
1240.000	774811.377	7487114.564
1250.000	774813.619	7487104.818
1260.000	774815.860	7487095.072

Scale Horizontal 1:2000 Vertical 1:500

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS		
ISSUE	DATE	SUBJECT
1	27/05/18	FIRST ISSUE
2	1/06/18	SECOND ISSUE
3	15/07/18	REVISED HWY INTERSECTION
4	1/07/20	NEW DESIGN

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
PH: 4978 4845
email: adslu3d8@tpg.com.au
BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE DATE 1/07/2020

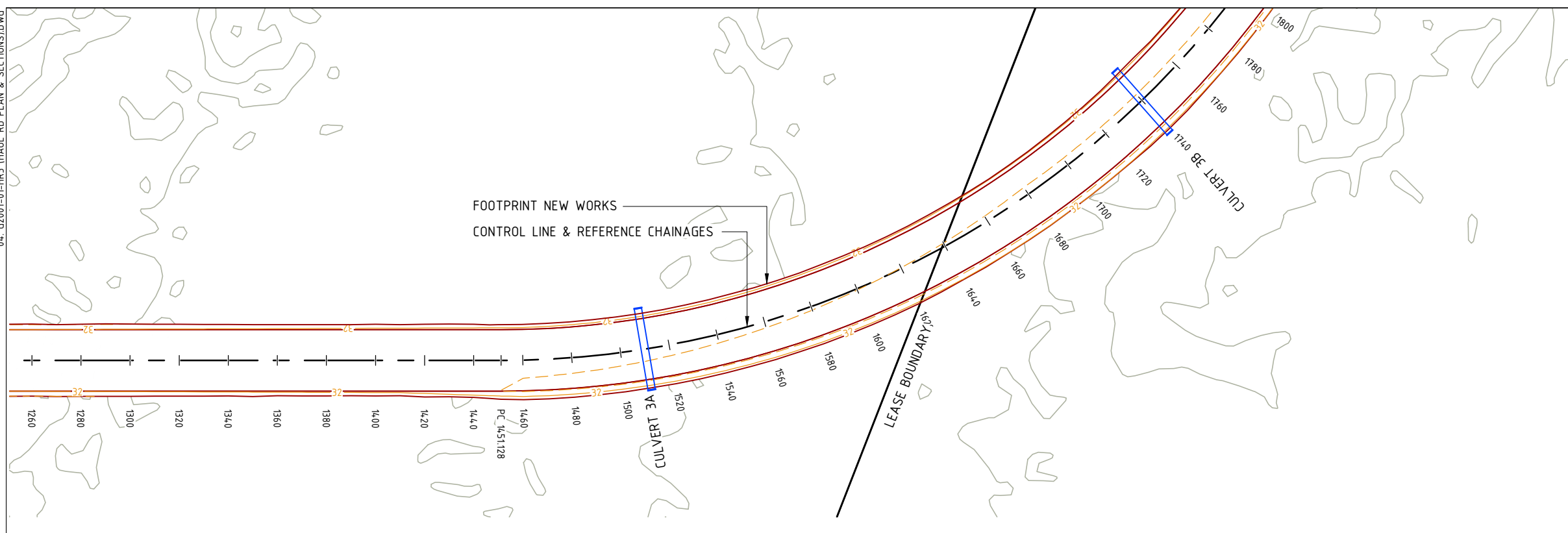
CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 2 OF 13 (CH760-CH1260)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01

SCALE
0 1:2000 HORZ. 40 AT
0 1:500 VERT 10 A3 SIZE

DRAWING NUMBER
G1706-02-HR-6
ISSUE SHEET NO.
4 7

PRINT IN COLOUR



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS		
ISSUE	DATE	SUBJECT
1	27/05/18	FIRST ISSUE
2	1/06/18	SECOND ISSUE
3	15/07/18	REVISED HWY INTERSECTION
4	1/07/20	NEW DESIGN

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
PH: 4978 4845
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BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE
DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 3 OF 13 (CH1260-CH1760)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01
SCALE
1:2000 HORZ. 40 AT
1:500 VERT 10
A3 SIZE
DRAWING NUMBER
G1706-02-HR-7
ISSUE SHEET NO.
4 8

CHAINAGE	EASTING	NORTHING
1260.000	774815.860	7487095.072
1270.000	774818.101	7487085.327
1280.000	774820.342	7487075.581
1290.000	774822.583	7487065.835
1300.000	774824.824	7487056.090
1310.000	774827.065	7487046.344
1320.000	774829.306	7487036.599
1330.000	774831.548	7487026.853
1340.000	774833.789	7487017.107
1350.000	774836.030	7487007.362
1360.000	774838.271	7486997.616
1370.000	774840.512	7486987.870
1380.000	774842.753	7486978.125
1390.000	774844.994	7486968.379
1400.000	774847.236	7486958.634
1410.000	774849.477	7486948.888
1420.000	774851.718	7486939.142
1430.000	774853.959	7486929.397
1440.000	774856.200	7486919.651
1450.000	774858.441	7486909.905
1451.128	774858.694	7486908.806
1460.000	774860.784	7486900.184
1470.000	774863.384	7486890.528
1480.000	774866.241	7486880.945
1490.000	774869.352	7486871.442
1500.000	774872.715	7486862.025
1510.000	774876.328	7486852.701
1520.000	774880.189	7486843.476
1530.000	774884.294	7486834.358
1540.000	774888.641	7486825.352
1550.000	774893.226	7486816.466
1560.000	774898.046	7486807.705
1570.000	774903.099	7486799.075
1580.000	774908.380	7486790.584
1590.000	774913.885	7486782.236
1600.000	774919.611	7486774.038
1610.000	774925.554	7486765.996
1620.000	774931.708	7486758.115
1630.000	774938.071	7486750.400
1640.000	774944.637	7486742.859
1650.000	774951.402	7486735.494
1660.000	774958.361	7486728.313
1670.000	774965.509	7486721.320
1680.000	774972.841	7486714.521
1690.000	774980.352	7486707.919
1700.000	774988.036	7486701.519
1710.000	774995.887	7486695.327
1720.000	775003.902	7486689.346
1730.000	775012.072	7486683.582
1740.000	775020.394	7486678.037
1750.000	775028.860	7486672.716
1760.000	775037.465	7486667.622

DEPTH	FSL	NSL	CHAINAGE
+1.502	32.404	30.902	1260.000
+1.521	32.442	30.921	1280.000
+1.451	32.481	31.030	1300.000
+1.425	32.519	31.094	1320.000
+1.408	32.558	31.150	1340.000
+1.368	32.596	31.229	1360.000
+1.367	32.635	31.268	1380.000
+1.360	32.673	31.313	1400.000
+1.471	32.712	31.241	1420.000
+1.421	32.750	31.329	1440.000
+1.437	32.766	31.330	1451.128
+1.367	32.779	31.412	1460.000
+1.419	32.808	31.389	1480.000
+1.454	32.837	31.383	1500.000
+1.408	32.867	31.459	1520.000
+1.515	32.896	31.381	1540.000
+1.389	32.925	31.536	1560.000
+1.325	32.954	31.629	1580.000
+1.362	32.983	31.621	1600.000
+1.292	33.012	31.721	1620.000
+1.301	33.042	31.741	1640.000
+1.171	33.071	31.900	1660.000
+1.203	33.100	31.897	1680.000
+1.198	33.100	31.902	1700.000
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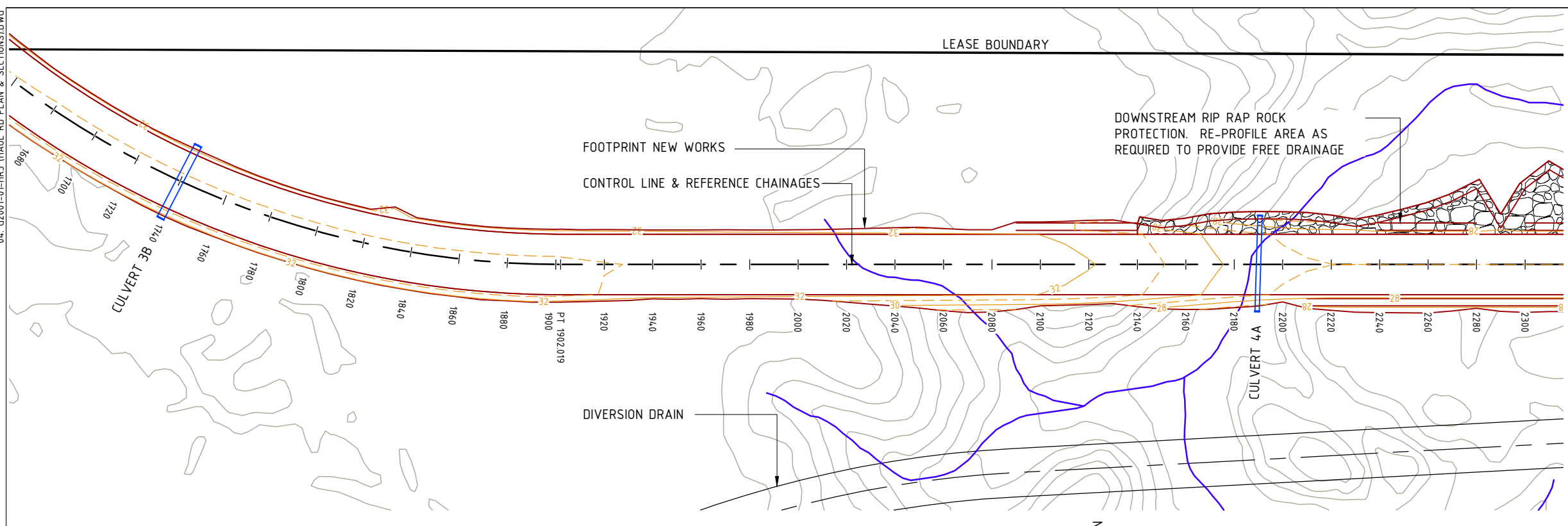
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R=375.00 L=450.89

Super Elevation
-3.0
3.0

Scale Horizontal 1:2000 Vertical 1:500

PRINT IN COLOUR

04_G2001-01-HR3 (HAUL RD PLAN & SECTIONS).DWG



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DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



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AMENDMENTS		
ISSUE	DATE	SUBJECT
1	27/05/18	FIRST ISSUE
2	1/06/18	SECOND ISSUE
3	15/07/18	REVISED HWY INTERSECTION
4	1/07/20	NEW DESIGN

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



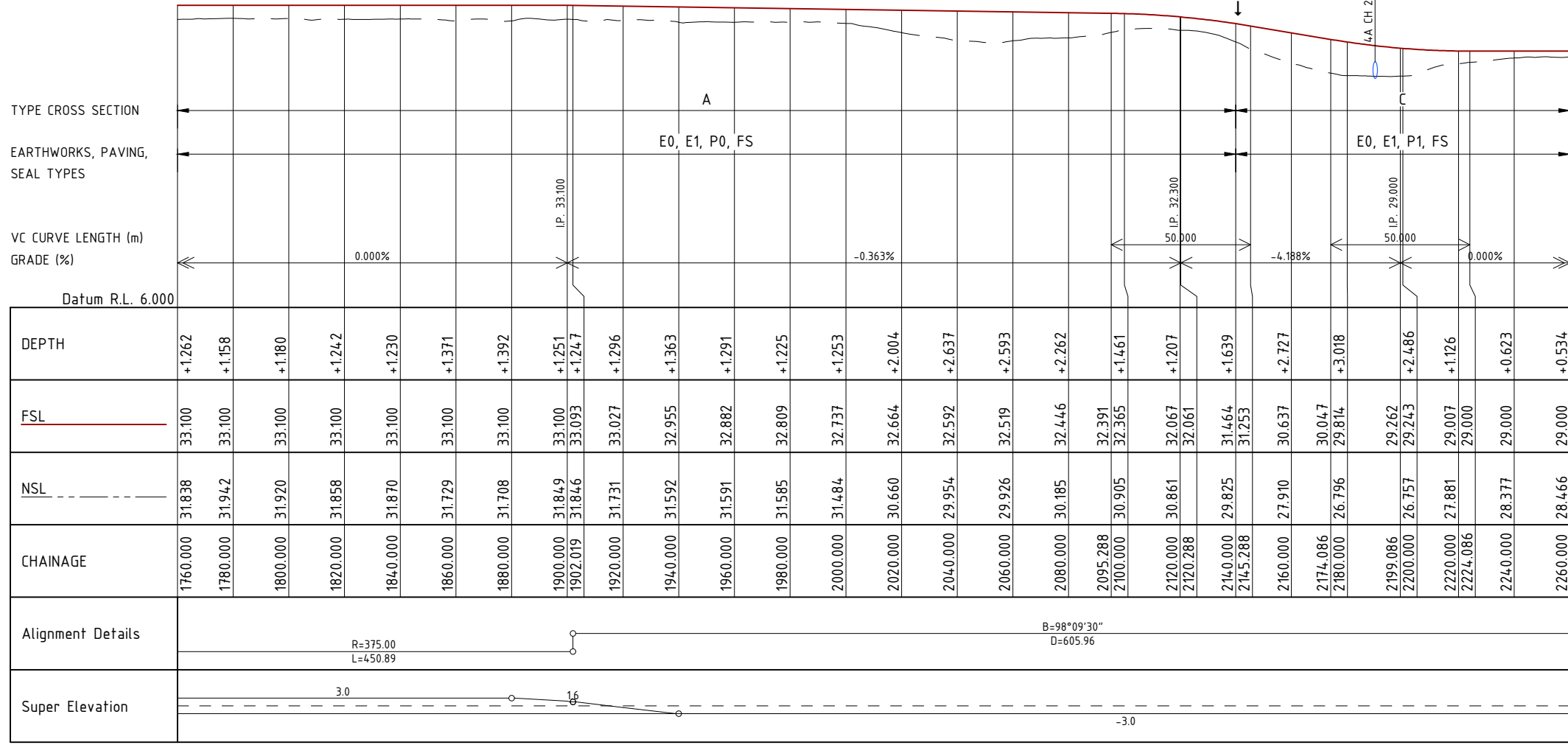
COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
PH: 4978 4845
email: adslu3d8@tpg.com.au
BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE [Signature] DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 4 OF 13 (CH1760-CH2260)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01
SCALE
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0 1:500 VERT 10 A3 SIZE
DRAWING NUMBER
G1706-02-HR-8
ISSUE SHEET NO.
4 9

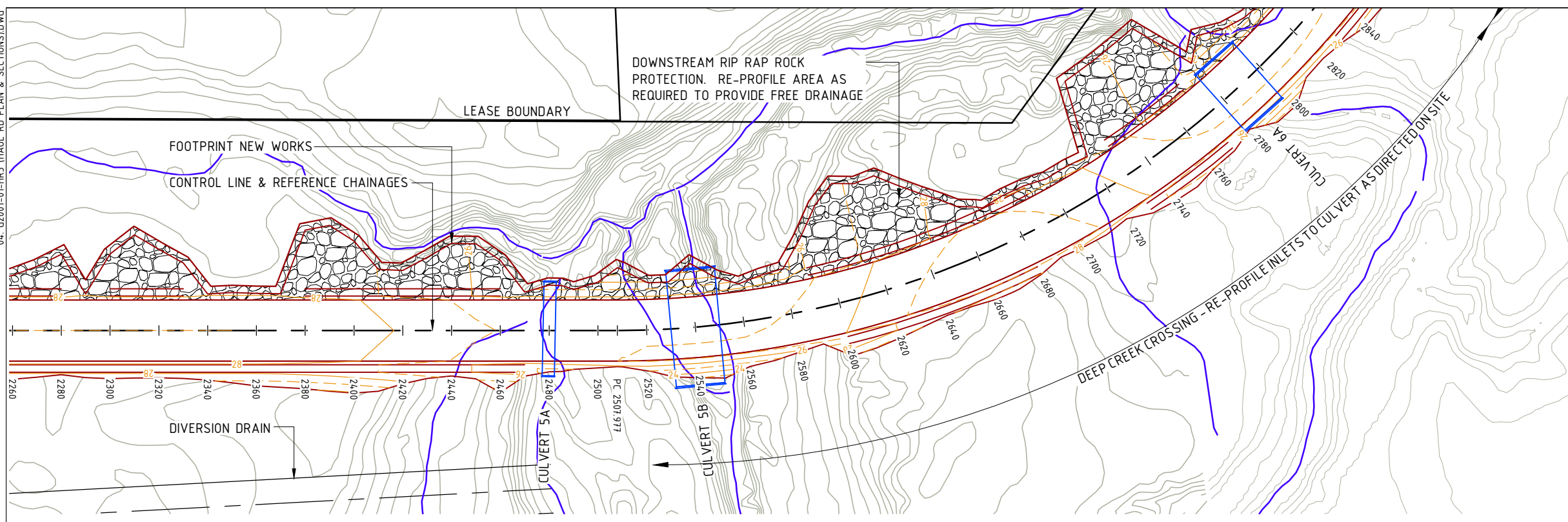
CHAINAGE	EASTING	NORTHING
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1770.000	775046.204	7486662.760
1780.000	775055.068	7486658.133
1790.000	775064.053	7486653.743
1800.000	775073.152	7486649.595
1810.000	775082.358	7486645.691
1820.000	775091.664	7486642.033
1830.000	775101.066	7486638.625
1840.000	775110.554	7486635.469
1850.000	775120.123	7486632.567
1860.000	775129.767	7486629.921
1870.000	775139.477	7486627.534
1880.000	775149.248	7486625.406
1890.000	775159.072	7486623.539
1900.000	775168.942	7486621.935
1902.019	775170.939	7486621.643
1910.000	775178.840	7486620.511
1920.000	775188.739	7486619.092
1930.000	775198.638	7486617.672
1940.000	775208.536	7486616.253
1950.000	775218.435	7486614.834
1960.000	775228.334	7486613.415
1970.000	775238.233	7486611.996
1980.000	775248.132	7486610.577
1990.000	775258.030	7486609.158
2000.000	775267.929	7486607.739
2010.000	775277.828	7486606.320
2020.000	775287.727	7486604.901
2030.000	775297.626	7486603.482
2040.000	775307.524	7486602.063
2050.000	775317.423	7486600.643
2060.000	775327.322	7486599.224
2070.000	775337.221	7486597.805
2080.000	775347.120	7486596.386
2090.000	775357.018	7486594.967
2100.000	775366.917	7486593.548
2110.000	775376.816	7486592.129
2120.000	775386.715	7486590.710
2130.000	775396.614	7486589.291
2140.000	775406.512	7486587.872
2150.000	775416.411	7486586.453
2160.000	775426.310	7486585.033
2170.000	775436.209	7486583.614
2180.000	775446.108	7486582.195
2190.000	775456.006	7486580.776
2200.000	775465.905	7486579.357
2210.000	775475.804	7486577.938
2220.000	775485.703	7486576.519
2230.000	775495.602	7486575.100
2240.000	775505.500	7486573.681
2250.000	775515.399	7486572.262
2260.000	775525.298	7486570.843



Scale Horizontal 1:2000 Vertical 1:500

PRINT IN COLOUR

04_G2001-01-HR3 (HAUL RD PLAN & SECTIONS).DWG



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18

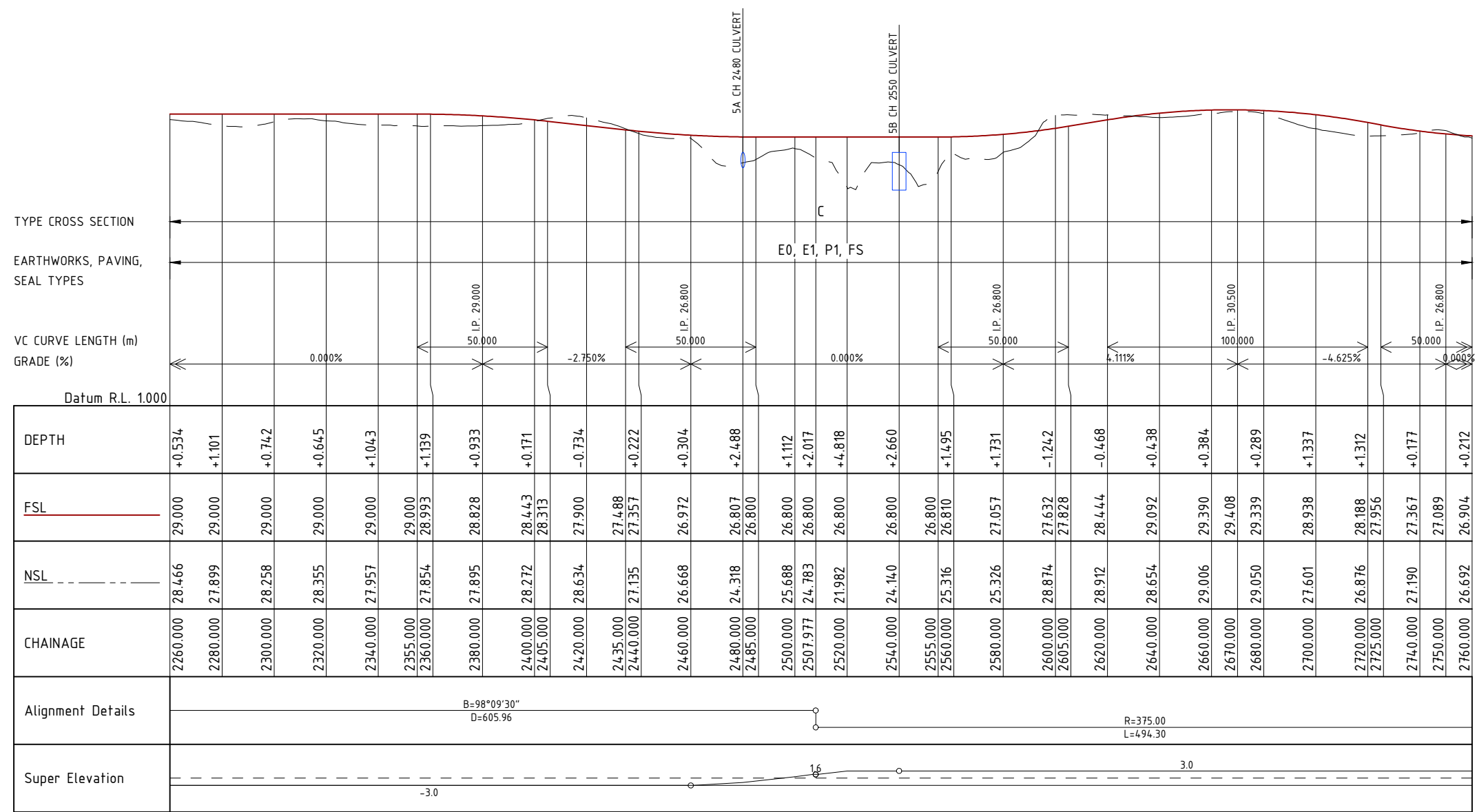


COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
PH: 4978 4845
email: adslu3d8@tpg.com.au
BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 5 OF 13 (CH2260-CH2760)

FILE NO	G2001-01-HR3.DWG
JOB NO	G2001/01
SCALE	0 1:2000 HORZ. 40 AT 0 1:500 VERT 10
DRAWING NUMBER	G1706-02-HR-9
ISSUE SHEET NO.	4 10

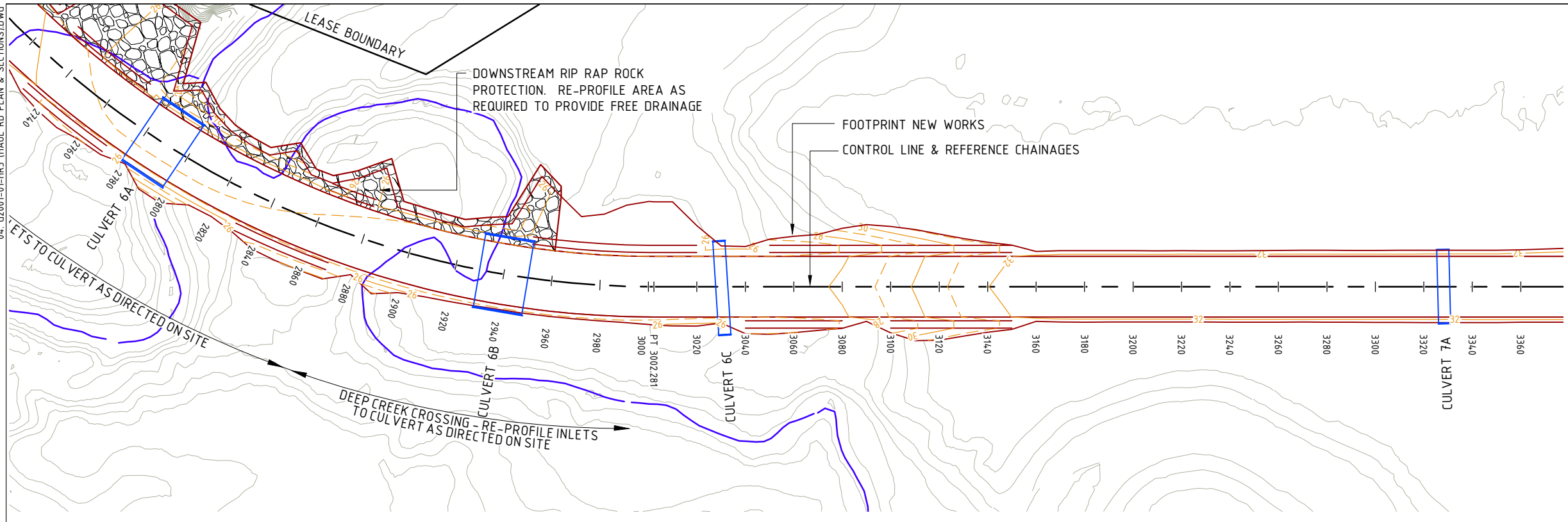


CHAINAGE	EASTING	NORTHING
2260.000	775525.298	7486570.843
2270.000	775535.197	7486569.423
2280.000	775545.096	7486568.004
2290.000	775554.994	7486566.585
2300.000	775564.893	7486565.166
2310.000	775574.792	7486563.747
2320.000	775584.691	7486562.328
2330.000	775594.590	7486560.909
2340.000	775604.488	7486559.490
2350.000	775614.387	7486558.071
2360.000	775624.286	7486556.652
2370.000	775634.185	7486555.233
2380.000	775644.084	7486553.814
2390.000	775653.982	7486552.394
2400.000	775663.881	7486550.975
2410.000	775673.780	7486549.556
2420.000	775683.679	7486548.137
2430.000	775693.578	7486546.718
2440.000	775703.476	7486545.299
2450.000	775713.375	7486543.880
2460.000	775723.274	7486542.461
2470.000	775733.173	7486541.042
2480.000	775743.072	7486539.623
2490.000	775752.970	7486538.204
2500.000	775762.869	7486536.784
2507.977	775770.765	7486535.652
2510.000	775772.769	7486535.371
2520.000	775782.692	7486534.137
2530.000	775792.645	7486533.169
2540.000	775802.620	7486532.466
2550.000	775812.610	7486532.030
2560.000	775822.608	7486531.860
2570.000	775832.607	7486531.957
2580.000	775842.601	7486532.320
2590.000	775852.580	7486532.949
2600.000	775862.540	7486533.845
2610.000	775872.472	7486535.006
2620.000	775882.370	7486536.431
2630.000	775892.226	7486538.119
2640.000	775902.033	7486540.070
2650.000	775911.785	7486542.282
2660.000	775921.475	7486544.752
2670.000	775931.095	7486547.481
2680.000	775940.640	7486550.465
2690.000	775950.101	7486553.702
2700.000	775959.472	7486557.190
2710.000	775968.747	7486560.927
2720.000	775977.920	7486564.910
2730.000	775986.982	7486569.136
2740.000	775995.929	7486573.602
2750.000	776004.754	7486578.306
2760.000	776013.450	7486583.243

Scale Horizontal 1:2000 Vertical 1:500

PRINT IN COLOUR

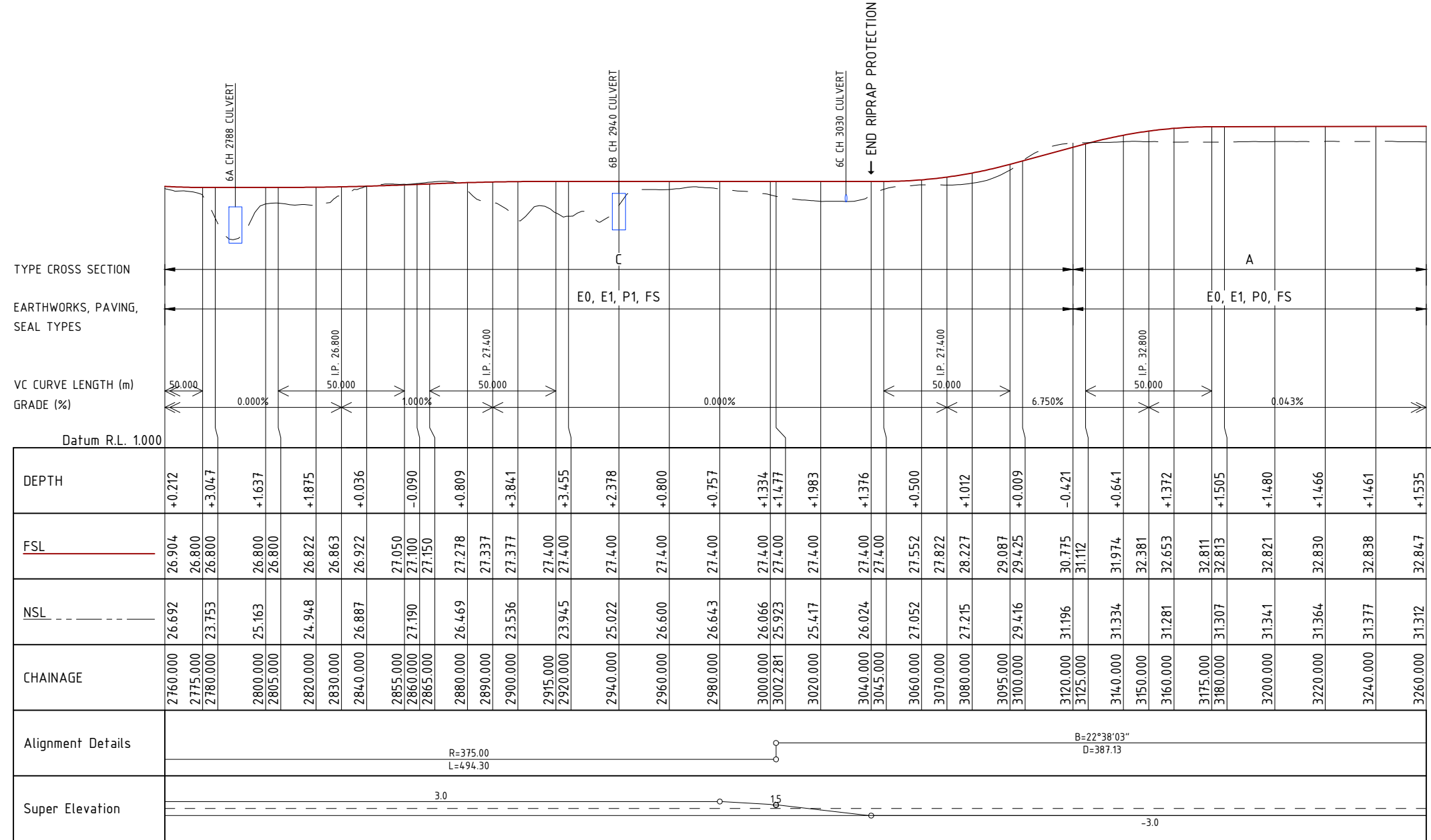
04_G2001-01-HR3 (HAUL RD PLAN & SECTIONS).DWG



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



CHAINAGE	EASTING	NORTHING
2760.000	776013.450	7486583.243
2770.000	776022.011	7486588.410
2780.000	776030.432	7486593.803
2790.000	776038.706	7486599.419
2800.000	776046.827	7486605.254
2810.000	776054.789	7486611.303
2820.000	776062.588	7486617.562
2830.000	776070.217	7486624.027
2840.000	776077.670	7486630.693
2850.000	776084.944	7486637.555
2860.000	776092.031	7486644.609
2870.000	776099.928	7486651.850
2880.000	776105.630	7486659.271
2890.000	776112.131	7486666.869
2900.000	776118.428	7486674.637
2910.000	776124.515	7486682.571
2920.000	776130.388	7486690.664
2930.000	776136.044	7486698.911
2940.000	776141.478	7486707.305
2950.000	776146.686	7486715.842
2960.000	776151.664	7486724.514
2970.000	776156.409	7486733.316
2980.000	776160.918	7486742.242
2990.000	776165.188	7486751.284
3000.000	776169.215	7486760.437
3002.281	776170.099	7486762.540
3010.000	776173.069	7486769.664
3020.000	776176.918	7486778.894
3030.000	776180.766	7486788.124
3040.000	776184.615	7486797.354
3050.000	776188.463	7486806.584
3060.000	776192.312	7486815.813
3070.000	776196.160	7486825.043
3080.000	776200.009	7486834.273
3090.000	776203.857	7486843.503
3100.000	776207.706	7486852.733
3110.000	776211.554	7486861.962
3120.000	776215.403	7486871.192
3130.000	776219.251	7486880.422
3140.000	776223.099	7486889.652
3150.000	776226.948	7486898.882
3160.000	776230.796	7486908.111
3170.000	776234.645	7486917.341
3180.000	776238.493	7486926.571
3190.000	776242.342	7486935.801
3200.000	776246.190	7486945.031
3210.000	776250.039	7486954.260
3220.000	776253.887	7486963.490
3230.000	776257.736	7486972.720
3240.000	776261.584	7486981.950
3250.000	776265.433	7486991.180
3260.000	776269.281	7487000.410

NOT FOR CONSTRUCTION

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
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BRISBANE, GLADSTONE

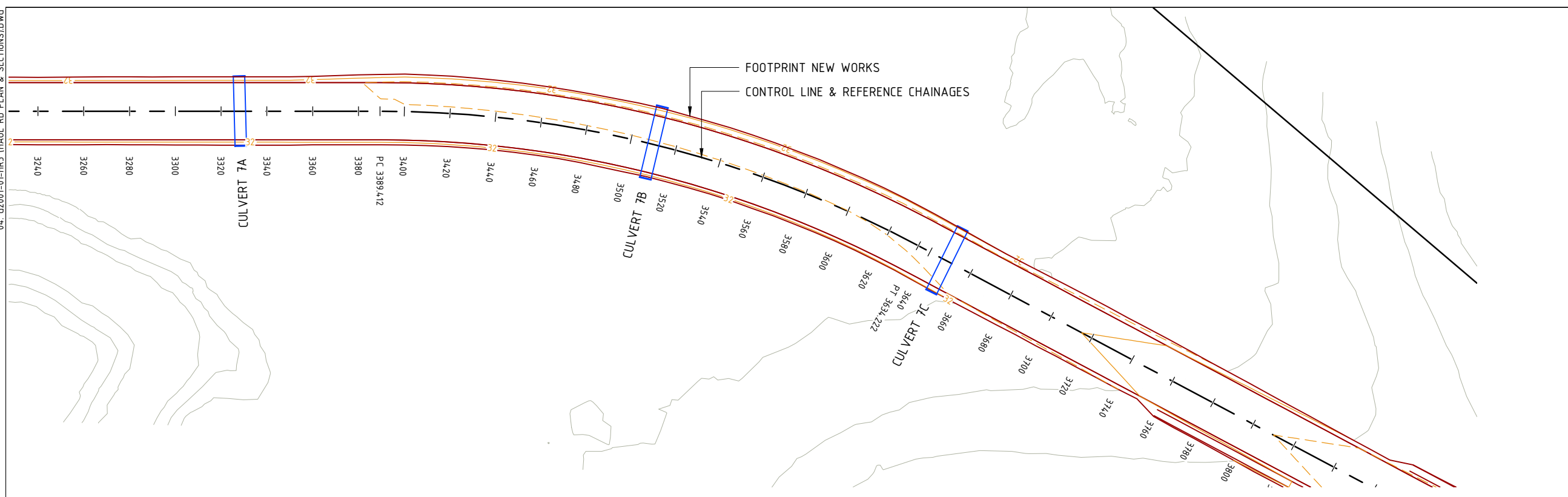
RPEQ 4321
AUTHORISED FOR ISSUE
DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 6 OF 13 (CH2760-CH3260)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01
SCALE
1:2000 HORZ. 40 AT
1:500 VERT 10 A3 SIZE
DRAWING NUMBER
G1706-02-HR-10
ISSUE SHEET NO
4 11

Scale Horizontal 1:2000 Vertical 1:500

PRINT IN COLOUR



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS		
ISSUE	DATE	SUBJECT
1	27/05/18	FIRST ISSUE
2	1/06/18	SECOND ISSUE
3	15/07/18	REVISED HWY INTERSECTION
4	1/07/20	NEW DESIGN

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
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PH: 4978 4845
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BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE [Signature] DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 7 OF 13 (CH3260-CH3760)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01
SCALE
0 1:2000 HORZ. 40 AT
0 1:500 VERT 10
A3 SIZE
DRAWING NUMBER
G1706-02-HR-11
ISSUE SHEET NO.
4 12

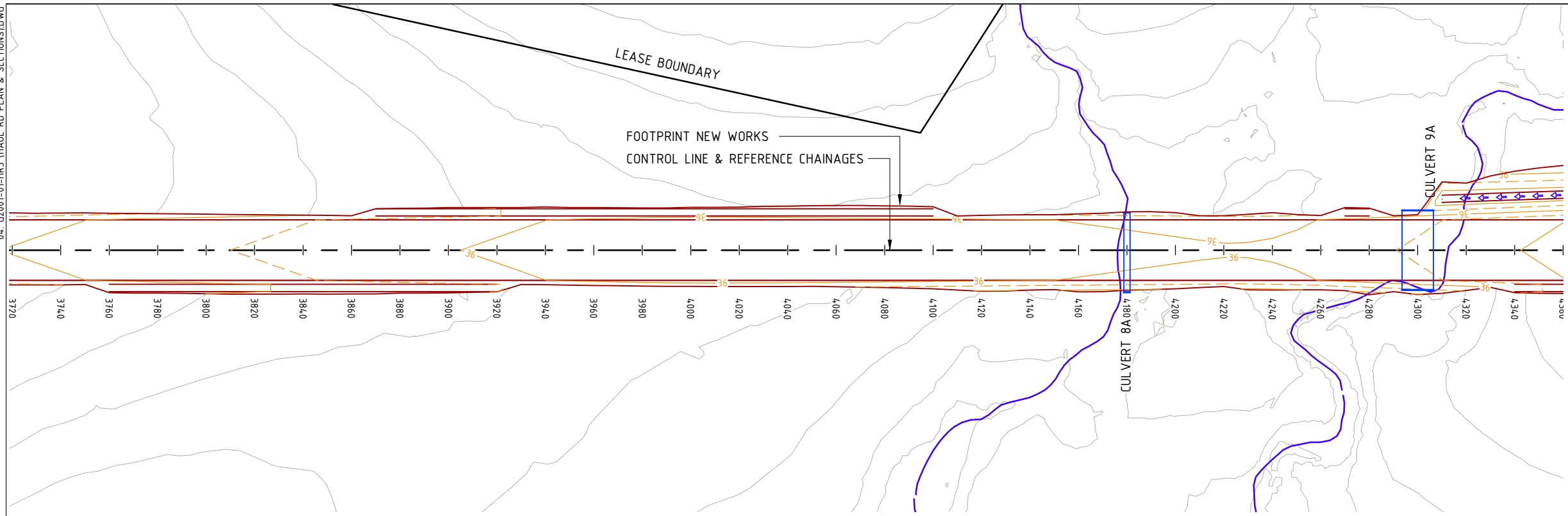
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+1.535	32.847	31.312	3260.000	B=22°38'03" D=387.13	-3.0
+1.531	32.855	31.324	3280.000		
+1.582	32.864	31.282	3300.000	R=500.00 L=244.81	3.0
+1.605	32.872	31.267	3320.000		
+1.605	32.881	31.276	3340.000	B=50°4'15" D=778.69	-3.0
+1.538	32.889	31.352	3360.000		
+1.512	32.898	31.386	3380.000	TYPE CROSS SECTION EARTHWORKS, PAVING, SEAL TYPES VC CURVE LENGTH (m) GRADE (%) Datum R.L. 11.000	
+1.489	32.902	31.413	3389.412		
+1.490	32.906	31.416	3400.000		
+1.433	32.915	31.481	3420.000		
+1.373	32.923	31.551	3440.000		
+1.322	32.932	31.610	3460.000		
+1.320	32.940	31.621	3480.000		
+1.476	32.949	31.472	3500.000		
+1.321	32.957	31.637	3520.000		
+1.306	32.966	31.660	3540.000		
+1.256	32.974	31.719	3560.000		
+1.307	32.983	31.676	3580.000		
+1.250	32.989	31.744	3595.000		
+1.245	32.994	31.744	3600.000		
+1.355	33.063	31.818	3620.000		
+1.382	33.161	31.806	3634.222		
+1.263	33.213	31.831	3640.000		
+1.468	33.263	31.831	3645.000		
+1.611	33.421	31.953	3660.000		
+1.642	33.632	32.020	3680.000		
+1.566	33.842	32.200	3700.000		
+1.553	34.053	32.486	3720.000		
+1.462	34.263	32.710	3740.000		
+1.462	34.474	33.012	3760.000		

CHAINAGE	EASTING	NORTHING
3260.000	776269.281	7487000.410
3270.000	776273.130	7487009.639
3280.000	776276.978	7487018.869
3290.000	776280.826	7487028.099
3300.000	776284.675	7487037.329
3310.000	776288.523	7487046.559
3320.000	776292.372	7487055.788
3330.000	776296.220	7487065.018
3340.000	776300.069	7487074.248
3350.000	776303.917	7487083.478
3360.000	776307.766	7487092.708
3370.000	776311.614	7487101.937
3380.000	776315.463	7487111.167
3389.412	776319.085	7487119.854
3390.000	776319.311	7487120.397
3400.000	776323.263	7487129.583
3410.000	776327.397	7487138.688
3420.000	776331.712	7487147.709
3430.000	776336.207	7487156.641
3440.000	776340.880	7487165.482
3450.000	776345.729	7487174.228
3460.000	776350.751	7487182.875
3470.000	776355.946	7487191.420
3480.000	776361.310	7487199.859
3490.000	776366.842	7487208.189
3500.000	776372.540	7487216.407
3510.000	776378.401	7487224.510
3520.000	776384.422	7487232.493
3530.000	776390.602	7487240.355
3540.000	776396.938	7487248.091
3550.000	776403.428	7487255.699
3560.000	776410.068	7487263.176
3570.000	776416.857	7487270.518
3580.000	776423.791	7487277.724
3590.000	776430.868	7487284.789
3600.000	776438.084	7487291.711
3610.000	776445.438	7487298.488
3620.000	776452.926	7487305.116
3630.000	776460.544	7487311.593
3634.222	776463.799	7487314.281
3640.000	776468.270	7487317.942
3650.000	776476.007	7487324.277
3660.000	776483.744	7487330.613
3670.000	776491.481	7487336.948
3680.000	776499.218	7487343.284
3690.000	776506.955	7487349.619
3700.000	776514.692	7487355.955
3710.000	776522.429	7487362.290
3720.000	776530.166	7487368.626
3730.000	776537.903	7487374.962
3740.000	776545.640	7487381.297
3750.000	776553.377	7487387.633
3760.000	776561.114	7487393.968

Scale Horizontal 1:2000 Vertical 1:500

PRINT IN COLOUR

04_G2001-01-HR3 (HAUL RD PLAN & SECTIONS).DWG



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS		
ISSUE	DATE	SUBJECT
1	27/05/18	FIRST ISSUE
2	1/06/18	SECOND ISSUE
3	15/07/18	REVISED HWY INTERSECTION
4	1/07/20	NEW DESIGN

XREF FILES	TITLE
DRAWING NO. G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
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BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE  DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 8 OF 13 (CH3760-CH4260)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01

SCALE
0 1:2000 HORZ. 40 AT
0 1:500 VERT 10
A3 SIZE

DRAWING NUMBER
G1706-02-HR-12
ISSUE SHEET NO.
4 13

CHAINAGE	EASTING	NORTHING
3760.000	776561.114	7487393.968
3770.000	776568.851	7487400.304
3780.000	776576.588	7487406.639
3790.000	776584.325	7487412.975
3800.000	776592.062	7487419.310
3810.000	776599.799	7487425.646
3820.000	776607.536	7487431.981
3830.000	776615.273	7487438.317
3840.000	776623.010	7487444.652
3850.000	776630.747	7487450.988
3860.000	776638.484	7487457.323
3870.000	776646.221	7487463.659
3880.000	776653.958	7487469.994
3890.000	776661.695	7487476.330
3900.000	776669.432	7487482.665
3910.000	776677.169	7487489.001
3920.000	776684.906	7487495.336
3930.000	776692.643	7487501.672
3940.000	776700.380	7487508.007
3950.000	776708.117	7487514.343
3960.000	776715.854	7487520.678
3970.000	776723.591	7487527.014
3980.000	776731.328	7487533.349
3990.000	776739.065	7487539.685
4000.000	776746.802	7487546.020
4010.000	776754.539	7487552.356
4020.000	776762.276	7487558.691
4030.000	776770.013	7487565.027
4040.000	776777.750	7487571.362
4050.000	776785.487	7487577.698
4060.000	776793.224	7487584.033
4070.000	776800.961	7487590.369
4080.000	776808.698	7487596.704
4090.000	776816.435	7487603.040
4100.000	776824.172	7487609.375
4110.000	776831.909	7487615.711
4120.000	776839.646	7487622.046
4130.000	776847.383	7487628.382
4140.000	776855.120	7487634.717
4150.000	776862.857	7487641.053
4160.000	776870.594	7487647.388
4170.000	776878.331	7487653.724
4180.000	776886.068	7487660.059
4190.000	776893.805	7487666.395
4200.000	776901.542	7487672.730
4210.000	776909.279	7487679.066
4220.000	776917.016	7487685.401
4230.000	776924.753	7487691.737
4240.000	776932.490	7487698.072
4250.000	776940.228	7487704.408
4260.000	776947.965	7487710.744

DEPTH	FSL	NSL	CHAINAGE
+1.462	34.474	33.012	3760.000
+1.404	34.684	33.280	3780.000
+1.288	34.895	33.607	3800.000
+1.247	35.105	33.858	3820.000
+1.151	35.316	34.165	3840.000
+1.132	35.526	34.394	3860.000
+1.108	35.737	34.629	3880.000
+1.068	35.947	34.879	3900.000
+1.141	36.158	35.017	3920.000
+1.193	36.368	35.175	3940.000
+1.232	36.579	35.347	3960.000
+1.379	36.737	35.407	3975.000
+1.427	36.786	35.479	3980.000
+1.353	36.908	35.481	4000.000
+1.248	36.913	35.560	4020.000
+1.268	36.896	35.585	4025.000
+1.364	36.833	35.585	4040.000
+1.535	36.750	35.482	4060.000
+1.894	36.667	35.303	4080.000
+1.930	36.583	35.048	4100.000
+1.981	36.500	34.606	4120.000
+2.275	36.417	34.486	4140.000
+1.590	36.333	34.352	4160.000
+1.891	36.250	33.975	4180.000
+2.184	36.167	34.577	4200.000
+2.237	36.104	34.199	4215.000
	36.089	33.964	4220.000
	36.148	33.964	4240.000
	36.396	34.159	4260.000

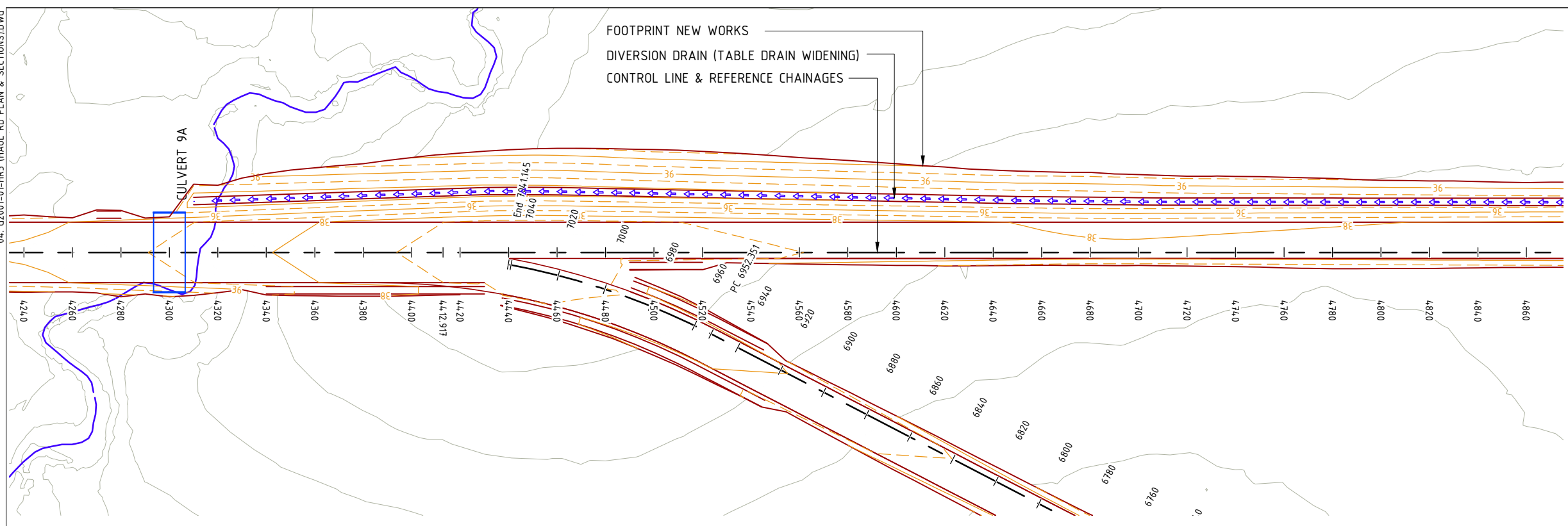
TYPE CROSS SECTION	EARTHWORKS, PAVING, SEAL TYPES	VC CURVE LENGTH (m)	GRADE (%)
		50.000	1.053%
		50.000	-0.417%
		50.000	1.950%

Alignment Details
B=50*4'15" D=778.69

Super Elevation
-3.0

Scale Horizontal 1:2000 Vertical 1:500

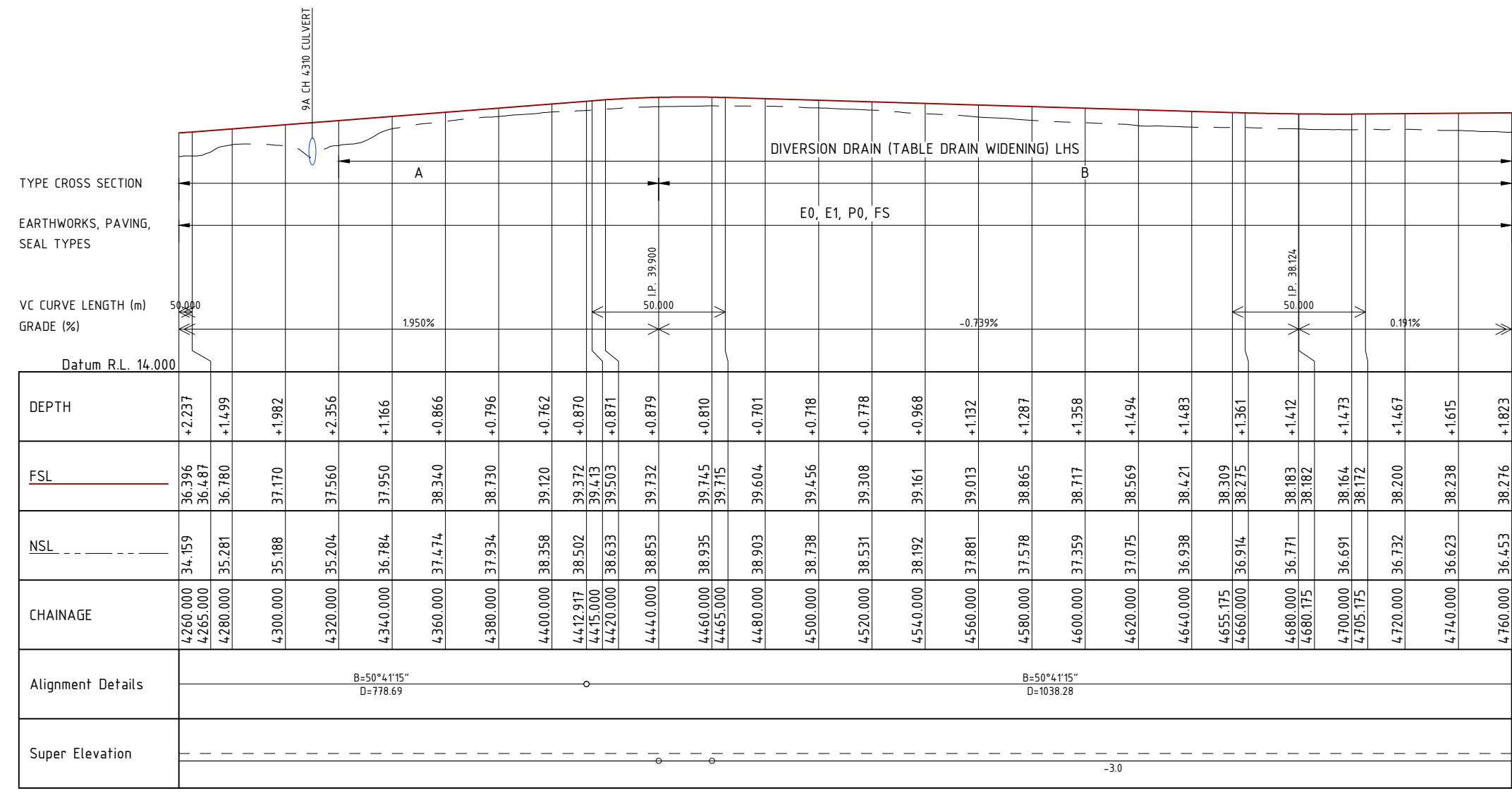
PRINT IN COLOUR



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



CHAINAGE	EASTING	NORTHING
4260.000	776947.965	7487710.744
4270.000	776955.702	7487717.079
4280.000	776963.439	7487723.415
4290.000	776971.176	7487729.750
4300.000	776978.913	7487736.086
4310.000	776986.650	7487742.421
4320.000	776994.387	7487748.757
4330.000	777002.124	7487755.092
4340.000	777009.861	7487761.428
4350.000	777017.598	7487767.763
4360.000	777025.335	7487774.099
4370.000	777033.072	7487780.434
4380.000	777040.809	7487786.770
4390.000	777048.546	7487793.105
4400.000	777056.283	7487799.441
4410.000	777064.020	7487805.776
4412.917	777066.276	7487807.624
4420.000	777071.757	7487812.112
4430.000	777079.494	7487818.447
4440.000	777087.231	7487824.783
4450.000	777094.968	7487831.118
4460.000	777102.705	7487837.454
4470.000	777110.442	7487843.789
4480.000	777118.179	7487850.125
4490.000	777125.916	7487856.460
4500.000	777133.653	7487862.796
4510.000	777141.390	7487869.131
4520.000	777149.127	7487875.467
4530.000	777156.864	7487881.802
4540.000	777164.601	7487888.138
4550.000	777172.338	7487894.473
4560.000	777180.075	7487900.809
4570.000	777187.812	7487907.144
4580.000	777195.549	7487913.480
4590.000	777203.286	7487919.815
4600.000	777211.023	7487926.151
4610.000	777218.760	7487932.486
4620.000	777226.497	7487938.822
4630.000	777234.234	7487945.157
4640.000	777241.971	7487951.493
4650.000	777249.708	7487957.828
4660.000	777257.445	7487964.164
4670.000	777265.182	7487970.499
4680.000	777272.919	7487976.835
4690.000	777280.656	7487983.170
4700.000	777288.393	7487989.506
4710.000	777296.130	7487995.841
4720.000	777303.867	7488002.177
4730.000	777311.604	7488008.512
4740.000	777319.341	7488014.848
4750.000	777327.078	7488021.183
4760.000	777334.815	7488027.519

NOT FOR CONSTRUCTION

AMENDMENTS		
ISSUE	DATE	SUBJECT
1	27/05/18	FIRST ISSUE
2	1/06/18	SECOND ISSUE
3	15/07/18	REVISED HWY INTERSECTION
4	1/07/20	NEW DESIGN

XREF FILES	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
PH: 4978 4845
email: adslu3d8@tpg.com.au
BRISBANE, GLADSTONE

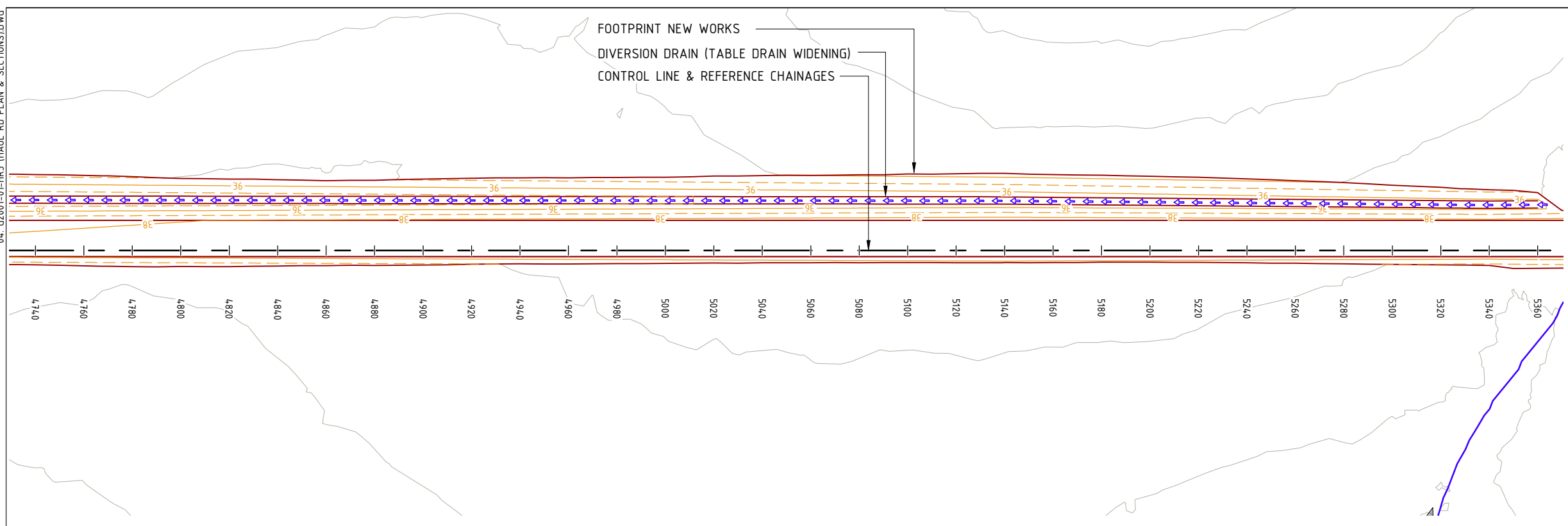
RPEQ 4321
AUTHORISED FOR ISSUE
DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 9 OF 13 (CH4260-CH4760)

FILE NO	G2001-01-HR3.DWG
JOB NO	G2001/01
SCALE	1:2000 HORZ. 40 AT 1:500 VERT 10
DRAWING NUMBER	G1706-02-HR-13
ISSUE SHEET NO	4 14

Scale Horizontal 1:2000 Vertical 1:500

PRINT IN COLOUR



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO

SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
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BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 10 OF 13 (CH4760-CH5260)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01

SCALE
0 1:2000 HORZ. 40 AT
0 1:500 VERT 10
A3 SIZE

DRAWING NUMBER
G1706-02-HR-14
ISSUE SHEET NO.
4 15

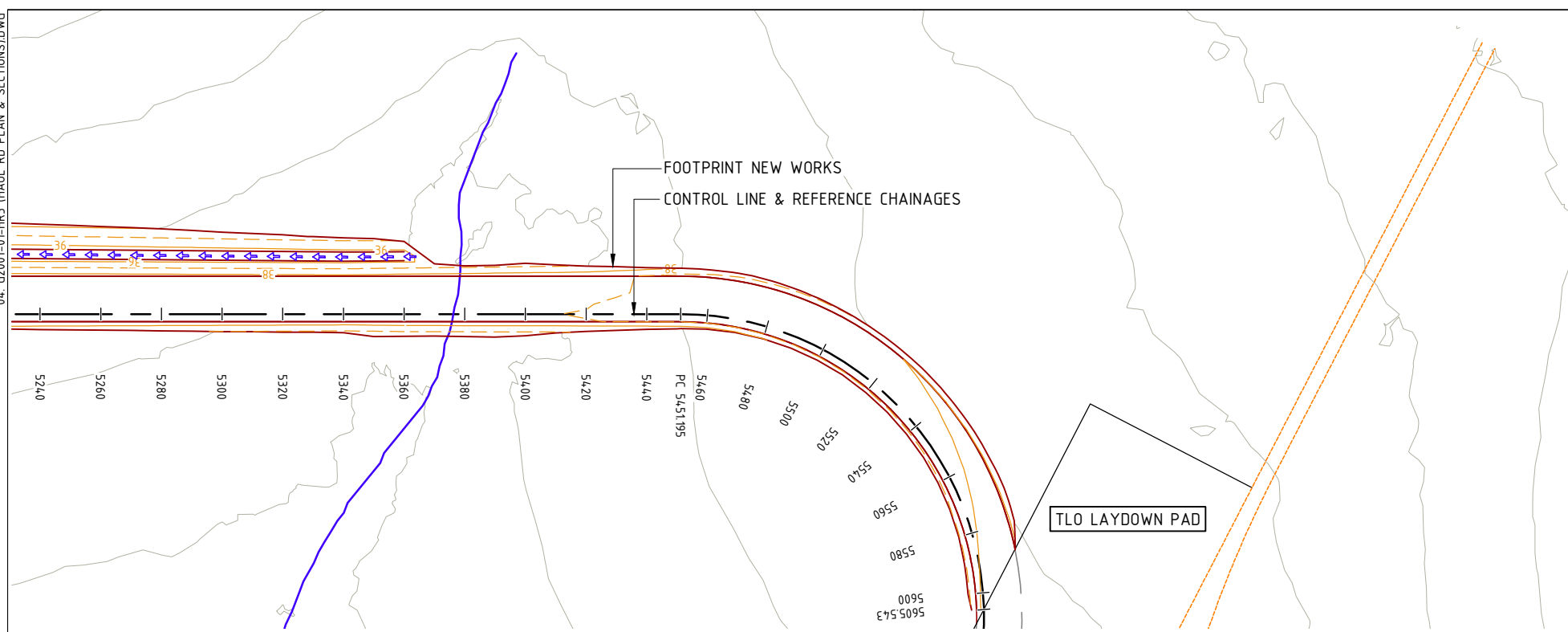
← CONNECTION TO PAD

DEPTH	FSL	NSL	CHAINAGE	Alignment Details	Super Elevation
+1.823	38.276	36.453	4760.000	B=50°4'115" D=1038.28	-3.0
+1.956	38.314	36.358	4780.000		
+2.027	38.352	36.325	4800.000		
+2.017	38.390	36.374	4820.000		
+1.939	38.428	36.489	4840.000		
+1.886	38.467	36.580	4860.000		
+1.784	38.505	36.721	4880.000		
+1.712	38.543	36.831	4900.000		
+1.617	38.581	36.963	4920.000		
+1.530	38.619	37.089	4940.000		
+1.489	38.657	37.169	4960.000		
+1.430	38.695	37.265	4980.000		
+1.423	38.733	37.310	5000.000		
+1.342	38.771	37.429	5020.000		
+1.296	38.809	37.514	5040.000		
+1.276	38.848	37.572	5060.000		
+1.173	38.886	37.712	5080.000		
+1.212	38.924	37.712	5100.000		
+1.254	38.962	37.708	5120.000		
+1.184	39.000	37.816	5140.000		
+1.169	38.959	37.790	5160.000		
+1.129	38.918	37.789	5180.000		
+1.103	38.877	37.774	5200.000		
+1.143	38.836	37.693	5220.000		
+1.241	38.795	37.554	5240.000		
+1.303	38.754	37.451	5260.000		

CHAINAGE	EASTING	NORTHING
4760.000	777334.815	7488027.519
4770.000	777342.552	7488033.855
4780.000	777350.289	7488040.190
4790.000	777358.026	7488046.526
4800.000	777365.763	7488052.861
4810.000	777373.500	7488059.197
4820.000	777381.237	7488065.532
4830.000	777388.974	7488071.868
4840.000	777396.711	7488078.203
4850.000	777404.448	7488084.539
4860.000	777412.185	7488090.874
4870.000	777419.922	7488097.210
4880.000	777427.659	7488103.545
4890.000	777435.396	7488109.881
4900.000	777443.133	7488116.216
4910.000	777450.870	7488122.552
4920.000	777458.607	7488128.887
4930.000	777466.344	7488135.223
4940.000	777474.081	7488141.558
4950.000	777481.818	7488147.894
4960.000	777489.555	7488154.229
4970.000	777497.292	7488160.565
4980.000	777505.029	7488166.900
4990.000	777512.766	7488173.236
5000.000	777520.503	7488179.571
5010.000	777528.240	7488185.907
5020.000	777535.977	7488192.242
5030.000	777543.714	7488198.578
5040.000	777551.451	7488204.913
5050.000	777559.188	7488211.249
5060.000	777566.925	7488217.584
5070.000	777574.662	7488223.920
5080.000	777582.399	7488230.255
5090.000	777590.136	7488236.591
5100.000	777597.873	7488242.926
5110.000	777605.610	7488249.262
5120.000	777613.347	7488255.597
5130.000	777621.084	7488261.933
5140.000	777628.821	7488268.268
5150.000	777636.558	7488274.604
5160.000	777644.295	7488280.939
5170.000	777652.032	7488287.275
5180.000	777659.769	7488293.610
5190.000	777667.506	7488299.946
5200.000	777675.243	7488306.281
5210.000	777682.980	7488312.617
5220.000	777690.717	7488318.952
5230.000	777698.454	7488325.288
5240.000	777706.191	7488331.623
5250.000	777713.928	7488337.959
5260.000	777721.665	7488344.294

Scale Horizontal 1:2000 Vertical 1:500

PRINT IN COLOUR



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS		
ISSUE	DATE	SUBJECT
1	27/05/18	FIRST ISSUE
2	1/06/18	SECOND ISSUE
3	15/07/18	REVISED HWY INTERSECTION
4	1/07/20	NEW DESIGN

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18

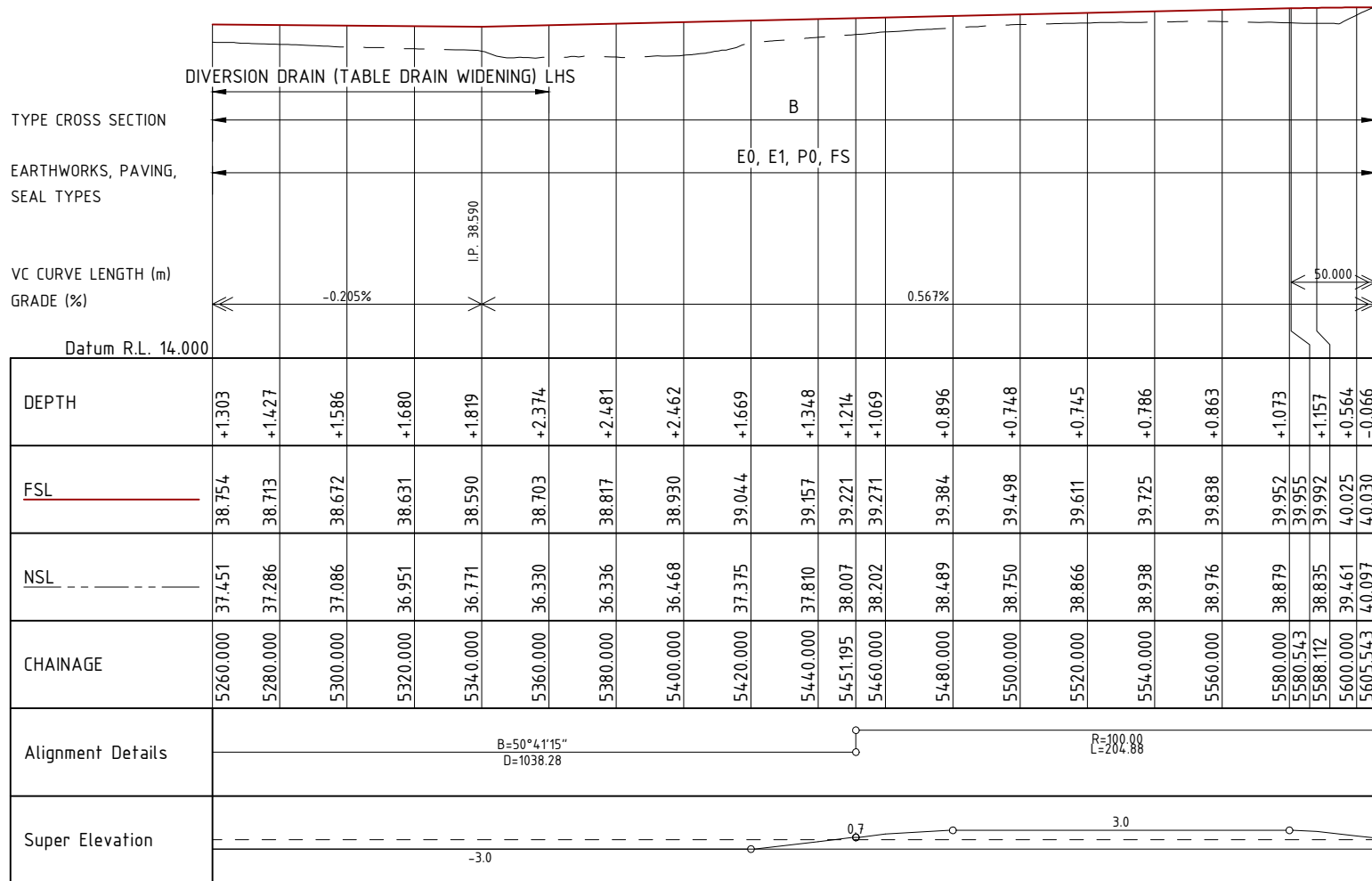


COX ANDREWS ENGINEERS PTL
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BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE
DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 11 OF 13 (CH5260-CH5605.543)

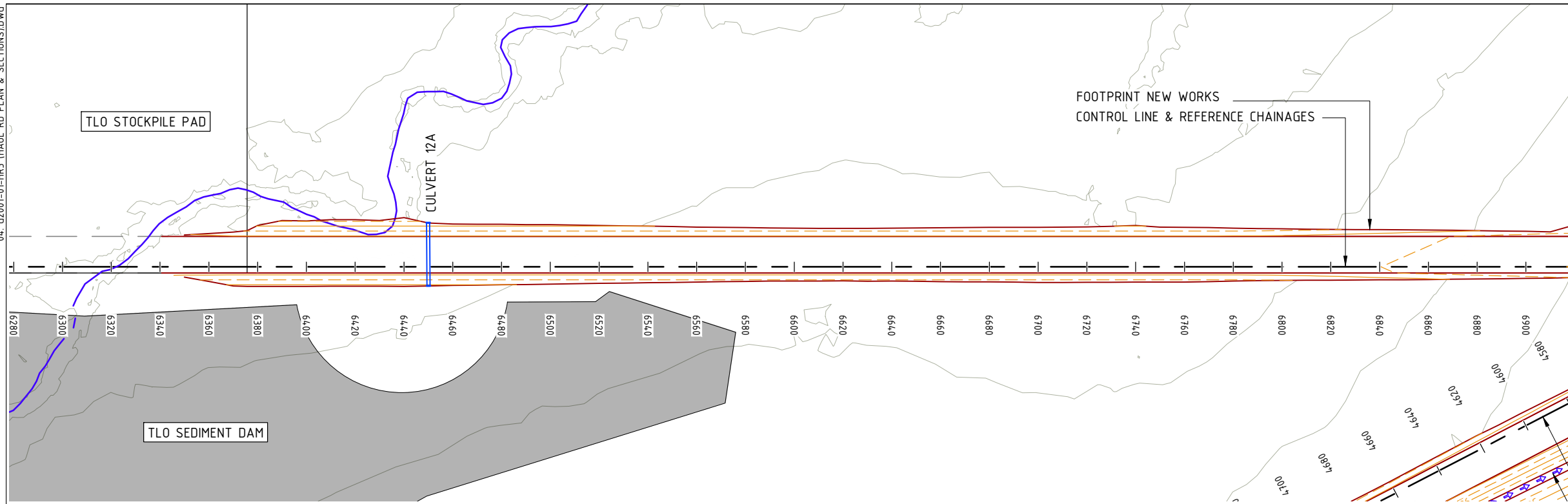
FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01
SCALE
0 1:2000 HORZ. 40 AT
0 1:500 VERT 10
A3 SIZE
DRAWING NUMBER
G1706-02-HR-15
ISSUE SHEET NO
4 16



Scale Horizontal 1:2000 Vertical 1:500

CONTROL LINE SETOUTS		
CHAINAGE	EASTING	NORTHING
5260.000	777721.665	7488344.294
5270.000	777729.402	7488350.630
5280.000	777737.139	7488356.966
5290.000	777744.876	7488363.301
5300.000	777752.614	7488369.637
5310.000	777760.351	7488375.972
5320.000	777768.088	7488382.308
5330.000	777775.825	7488388.643
5340.000	777783.562	7488394.979
5350.000	777791.299	7488401.314
5360.000	777799.036	7488407.650
5370.000	777806.773	7488413.985
5380.000	777814.510	7488420.321
5390.000	777822.247	7488426.656
5400.000	777829.984	7488432.992
5410.000	777837.721	7488439.327
5420.000	777845.458	7488445.663
5430.000	777853.195	7488451.998
5440.000	777860.932	7488458.334
5450.000	777868.669	7488464.669
5451.195	777869.593	7488465.426
5460.000	777876.642	7488470.698
5470.000	777885.174	7488475.906
5480.000	777894.183	7488480.237
5490.000	777903.579	7488483.646
5500.000	777913.269	7488486.101
5510.000	777923.156	7488487.576
5520.000	777933.140	7488488.056
5530.000	777943.122	7488487.537
5540.000	777953.003	7488486.025
5550.000	777962.683	7488483.533
5560.000	777972.067	7488480.088
5570.000	777981.059	7488475.723
5580.000	777989.571	7488470.482
5585.000	777993.619	7488467.549
5588.112	777996.063	7488465.622
5590.000	777997.517	7488464.417
5600.000	778004.817	7488457.590
5605.543	778008.559	7488453.501

PRINT IN COLOUR



DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



NOT FOR CONSTRUCTION

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



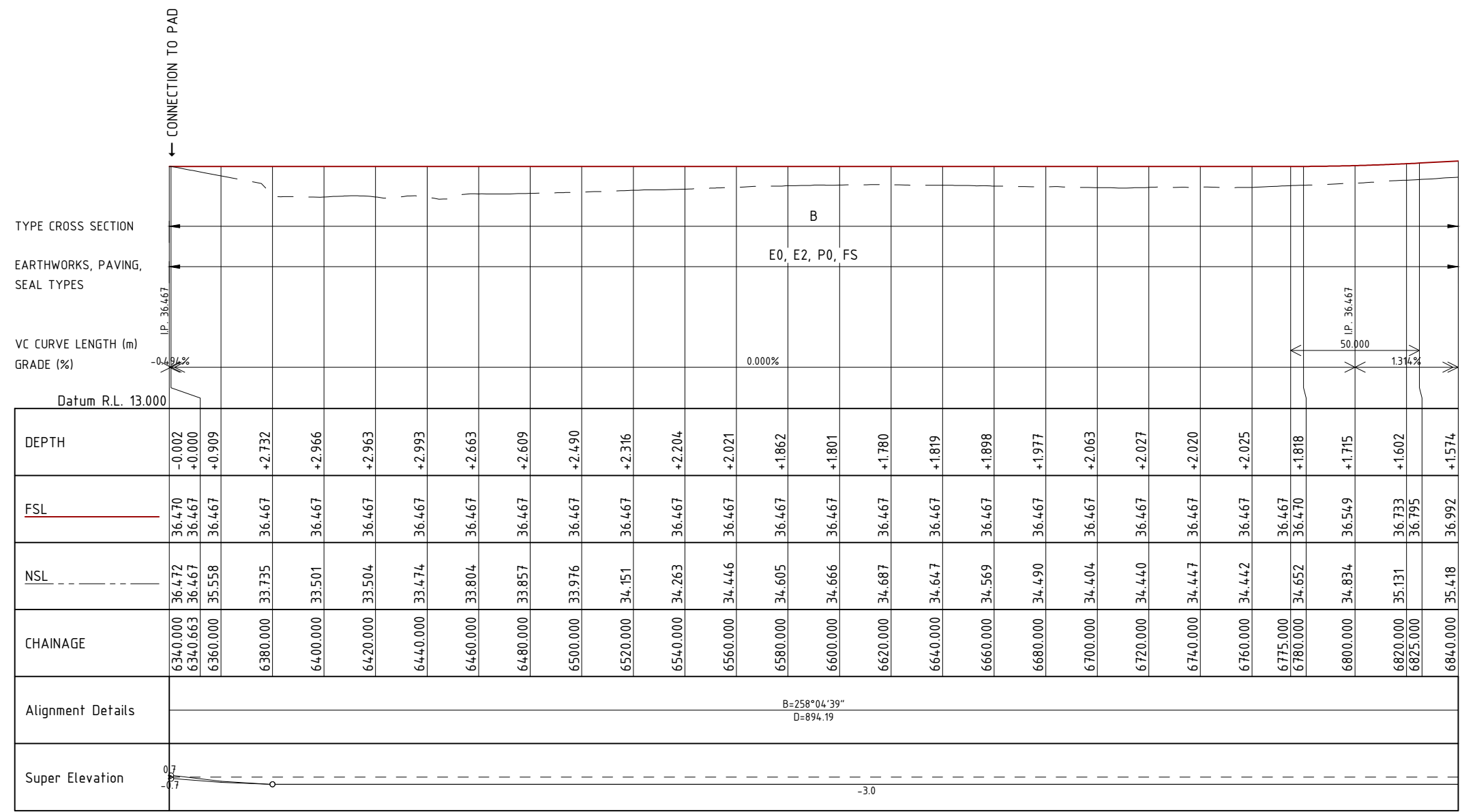
COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
PH: 4978 4845
email: adslu3d8@tpg.com.au
BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE [Signature] DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 12 OF 13 (CH6340-CH6840)

FILE NO	G2001-01-HR3.DWG
JOB NO	G2001/01
SCALE	0 1:2000 HORZ. 40 AT 0 1:500 VERT 10 A3 SIZE
DRAWING NUMBER	G1706-02-HR-16
ISSUE SHEET NO.	4 17

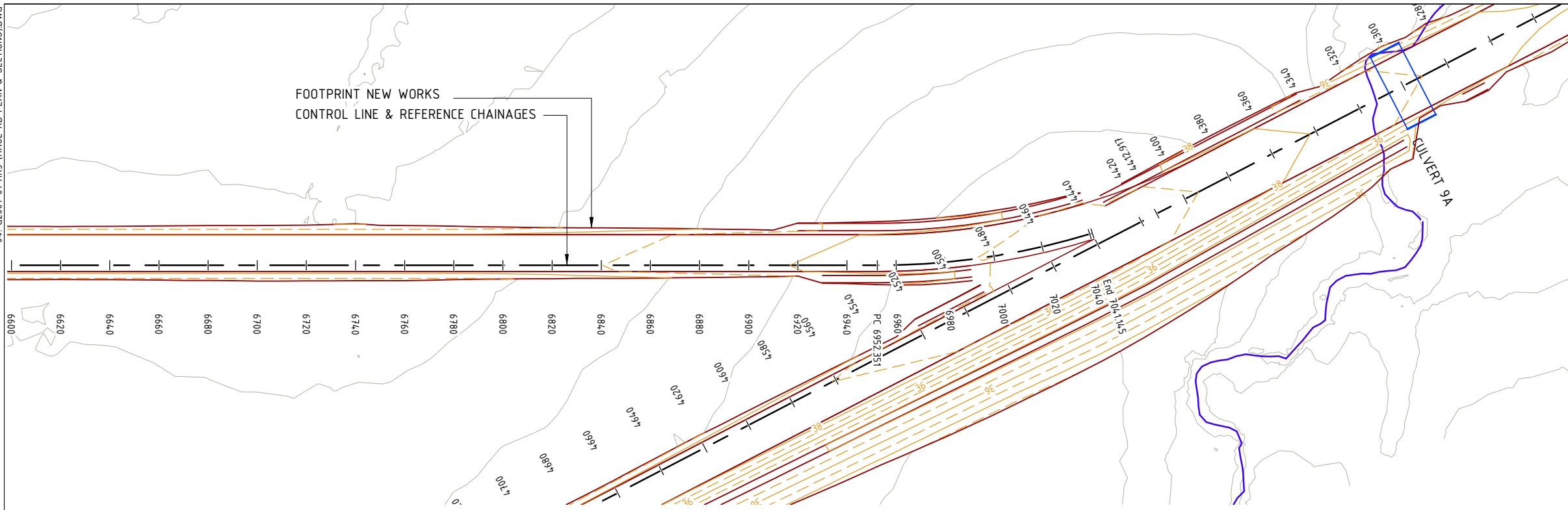
CHAINAGE	EASTING	NORTHING
6340.663	777771.669	7487978.058
6350.000	777762.534	7487976.130
6360.000	777752.749	7487974.064
6370.000	777742.965	7487971.998
6380.000	777733.181	7487969.932
6390.000	777723.397	7487967.866
6400.000	777713.612	7487965.800
6410.000	777703.828	7487963.734
6420.000	777694.044	7487961.668
6430.000	777684.260	7487959.603
6440.000	777674.475	7487957.537
6450.000	777664.691	7487955.471
6460.000	777654.907	7487953.405
6470.000	777645.122	7487951.339
6480.000	777635.338	7487949.273
6490.000	777625.554	7487947.207
6500.000	777615.770	7487945.141
6510.000	777605.985	7487943.076
6520.000	777596.201	7487941.010
6530.000	777586.417	7487938.944
6540.000	777576.632	7487936.878
6550.000	777566.848	7487934.812
6560.000	777557.064	7487932.746
6570.000	777547.280	7487930.680
6580.000	777537.495	7487928.615
6590.000	777527.711	7487926.549
6600.000	777517.927	7487924.483
6610.000	777508.142	7487922.417
6620.000	777498.358	7487920.351
6630.000	777488.574	7487918.285
6640.000	777478.790	7487916.219
6650.000	777469.005	7487914.153
6660.000	777459.221	7487912.088
6670.000	777449.437	7487910.022
6680.000	777439.652	7487907.956
6690.000	777429.868	7487905.890
6700.000	777420.084	7487903.824
6710.000	777410.300	7487901.758
6720.000	777400.515	7487899.692
6730.000	777390.731	7487897.626
6740.000	777380.947	7487895.561
6750.000	777371.162	7487893.495
6760.000	777361.378	7487891.429
6770.000	777351.594	7487889.363
6780.000	777341.810	7487887.297
6790.000	777332.025	7487885.231
6800.000	777322.241	7487883.165
6810.000	777312.457	7487881.099
6820.000	777302.673	7487879.034
6830.000	777292.888	7487877.968
6840.000	777283.104	7487876.902



Scale Horizontal 1:2000 Vertical 1:500

200
150
100
50
PRINT IN COLOUR

FOOTPRINT NEW WORKS
CONTROL LINE & REFERENCE CHAINAGES



CARRIAGEWAYS JOIN

TYPE CROSS SECTION
EARTHWORKS, PAVING,
SEAL TYPES
VC CURVE LENGTH (m)
GRADE (%)

DEPTH	FSL	NSL	CHAINAGE	Alignment Details	Super Elevation
+1.574	36.992	35.418	6840.000		-3.0
+1.515	37.255	35.740	6860.000		
+1.364	37.518	36.154	6880.000		
+1.217	37.781	36.564	6900.000		
+1.095	38.043	36.948	6920.000		
+0.816	38.306	37.490	6940.000		
+0.715	38.468	37.753	6952.351		
+0.658	38.569	37.911	6960.000		
+0.524	38.832	38.308	6980.000		
+0.468	39.094	38.627	7000.000		
+0.568	39.357	38.789	7020.000		
+0.799	39.620	38.821	7040.000		
+0.823	39.635	38.812	7041.145		

Scale Horizontal 1:2000 Vertical 1:500

CHAINAGE	EASTING	NORTHING
6840.000	777283.104	7487874.902
6850.000	777273.320	7487872.836
6860.000	777263.535	7487870.770
6870.000	777253.751	7487868.704
6880.000	777243.967	7487866.638
6890.000	777234.183	7487864.573
6900.000	777224.398	7487862.507
6910.000	777214.614	7487860.441
6920.000	777204.830	7487858.375
6930.000	777195.045	7487856.309
6940.000	777185.261	7487854.243
6950.000	777175.477	7487852.177
6952.351	777173.177	7487851.692
6960.000	777165.714	7487850.016
6970.000	777156.025	7487847.540
6980.000	777146.425	7487844.742
6990.000	777136.924	7487841.626
7000.000	777127.531	7487838.195
7010.000	777118.258	7487834.452
7020.000	777109.115	7487830.403
7030.000	777100.112	7487826.051
7040.000	777091.260	7487821.402
7041.145	777090.256	7487820.851

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 1.0m FINISHED SURFACE
WITHIN FOOTPRINT



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ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES	TITLE
DRAWING NO. G2001-01-BASE	BASE PLAN

DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



COX ANDREWS ENGINEERS PTL
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BRISBANE, GLADSTONE

RPEQ 4321
AUTHORISED FOR ISSUE
DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 13 OF 13 (CH6840-CH7041.145)

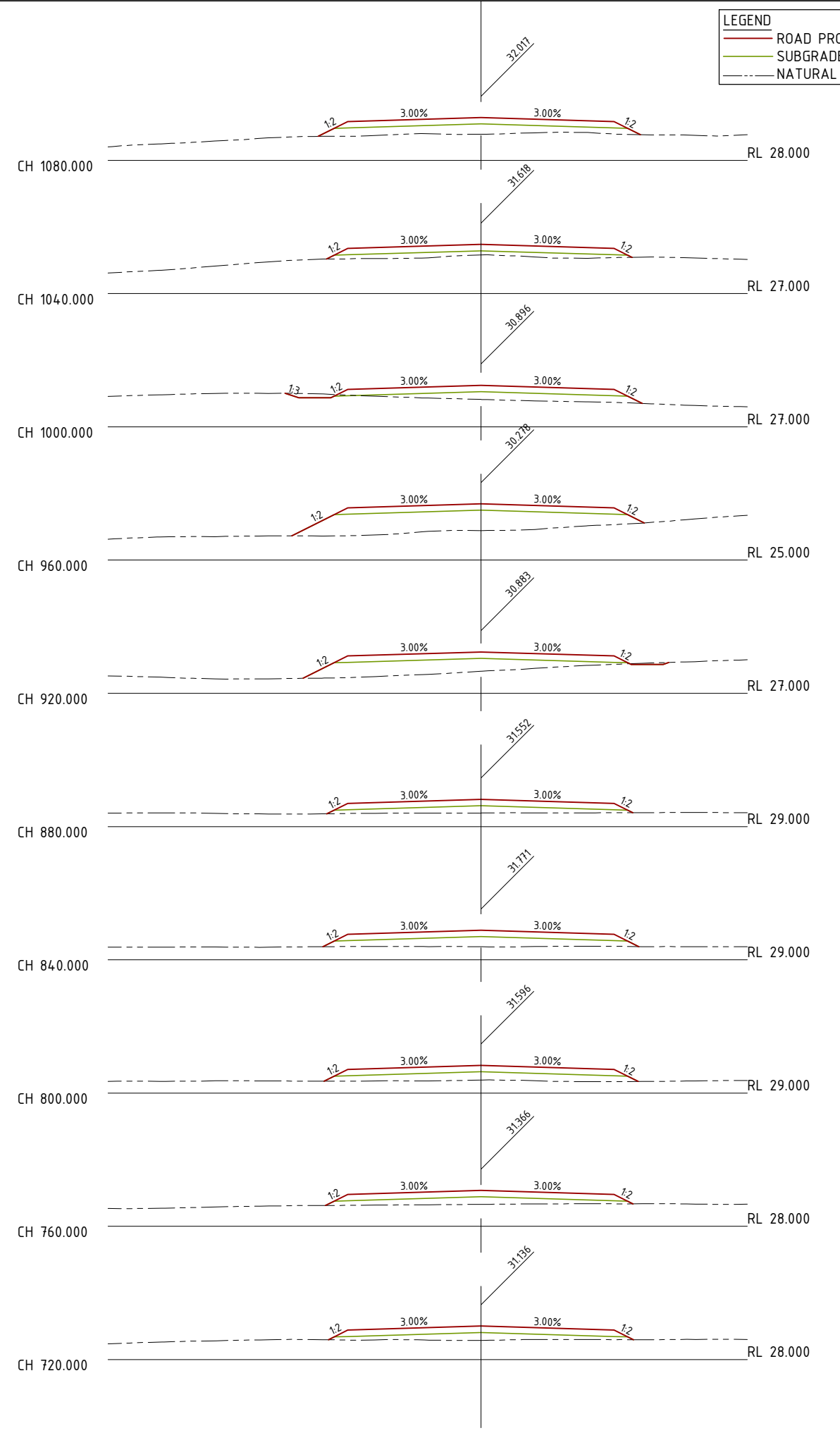
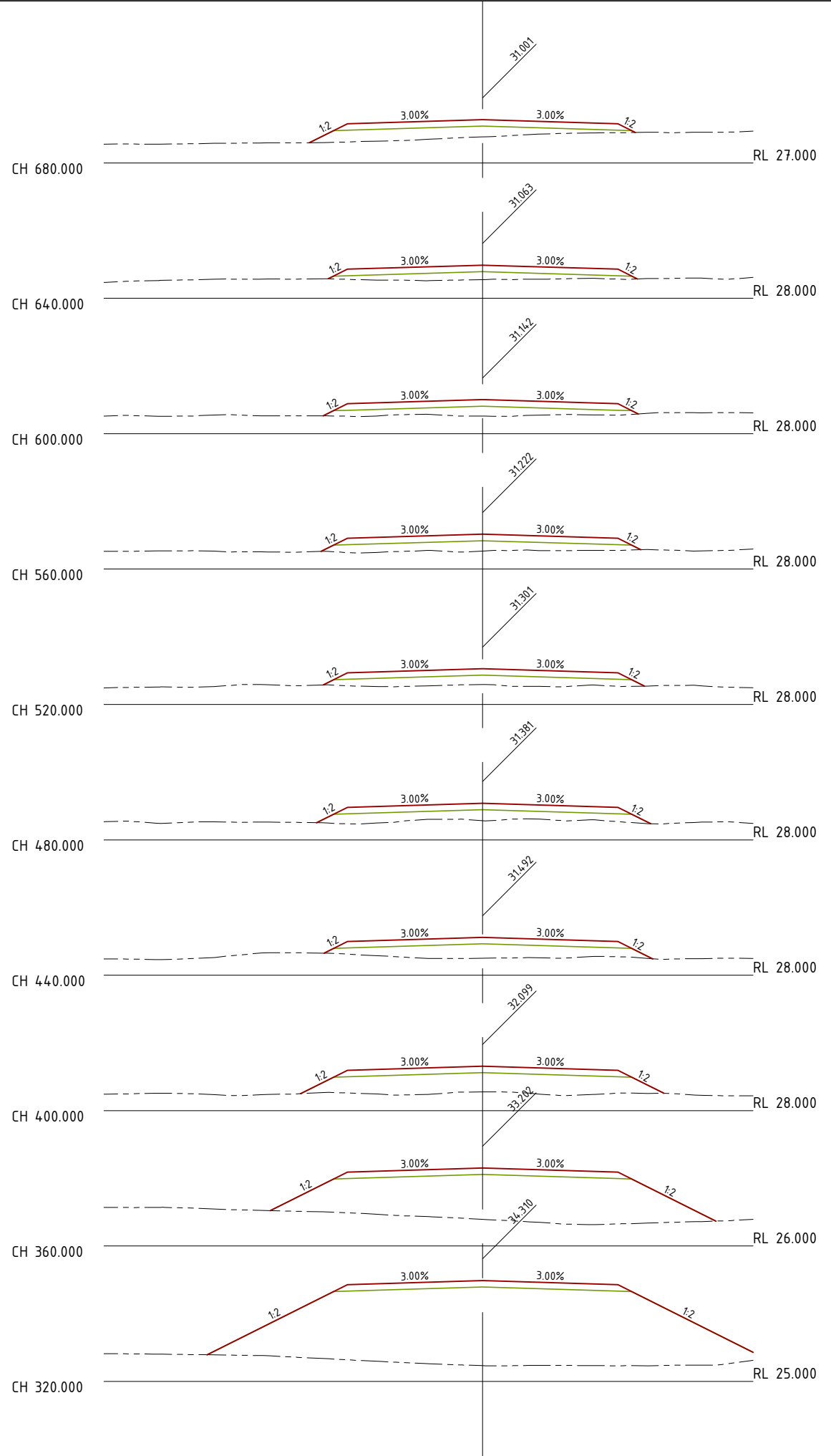
FILE NO
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JOB NO
G2001/01

SCALE
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0 1:500 VERT 10 A3 SIZE

DRAWING NUMBER
G1706-02-HR-17
ISSUE SHEET NO.
4 18

PRINT IN COLOUR



LEGEND
 — ROAD PROFILE
 — SUBGRADE SURFACE
 - - - NATURAL SURFACE

DO NOT SCALE OFF DRAWING
 DIMENSIONS METERS UNO

SURVEY DATUM MGA55



NOT FOR CONSTRUCTION

AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES

DRAWING NO.	TITLE

DRAWN ASC DATE 05/18
 DESIGN ASC DATE 05/18



COX ANDREWS ENGINEERS PTL
 CONSULTING ENGINEERS
 ACN 054 355 252
 PH: 4978 4845
 email: adslu3d8@tpg.com.au
 BRISBANE, GLADSTONE

RPEQ 4321 AUTHORIZED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
 CENTRAL QUEENSLAND COAL PROJECT
 CIVIL WORKS
 HAUL ROAD
 CROSS SECTIONS SHEET 1 OF 10
 (CH320 - CH1080)

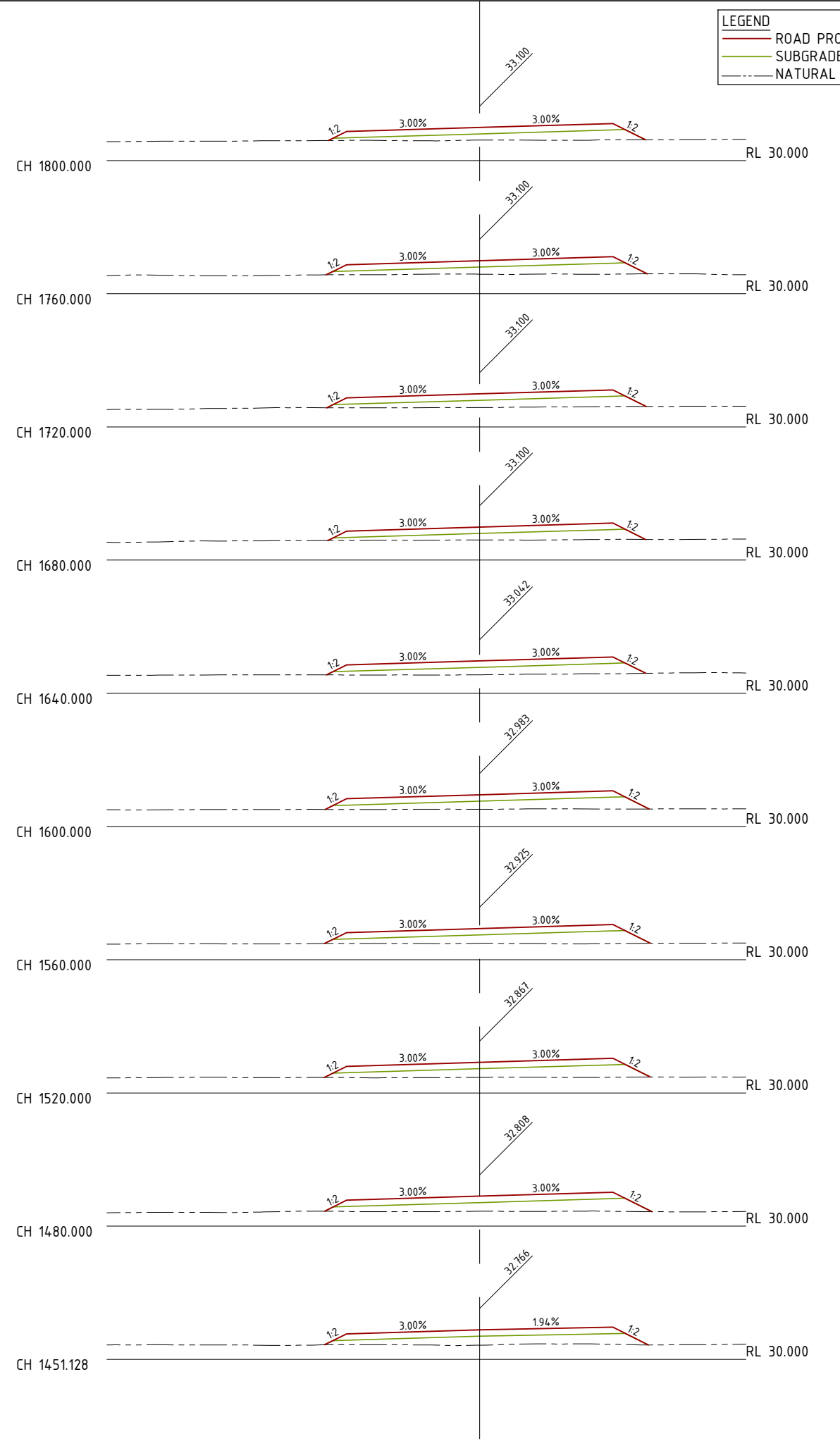
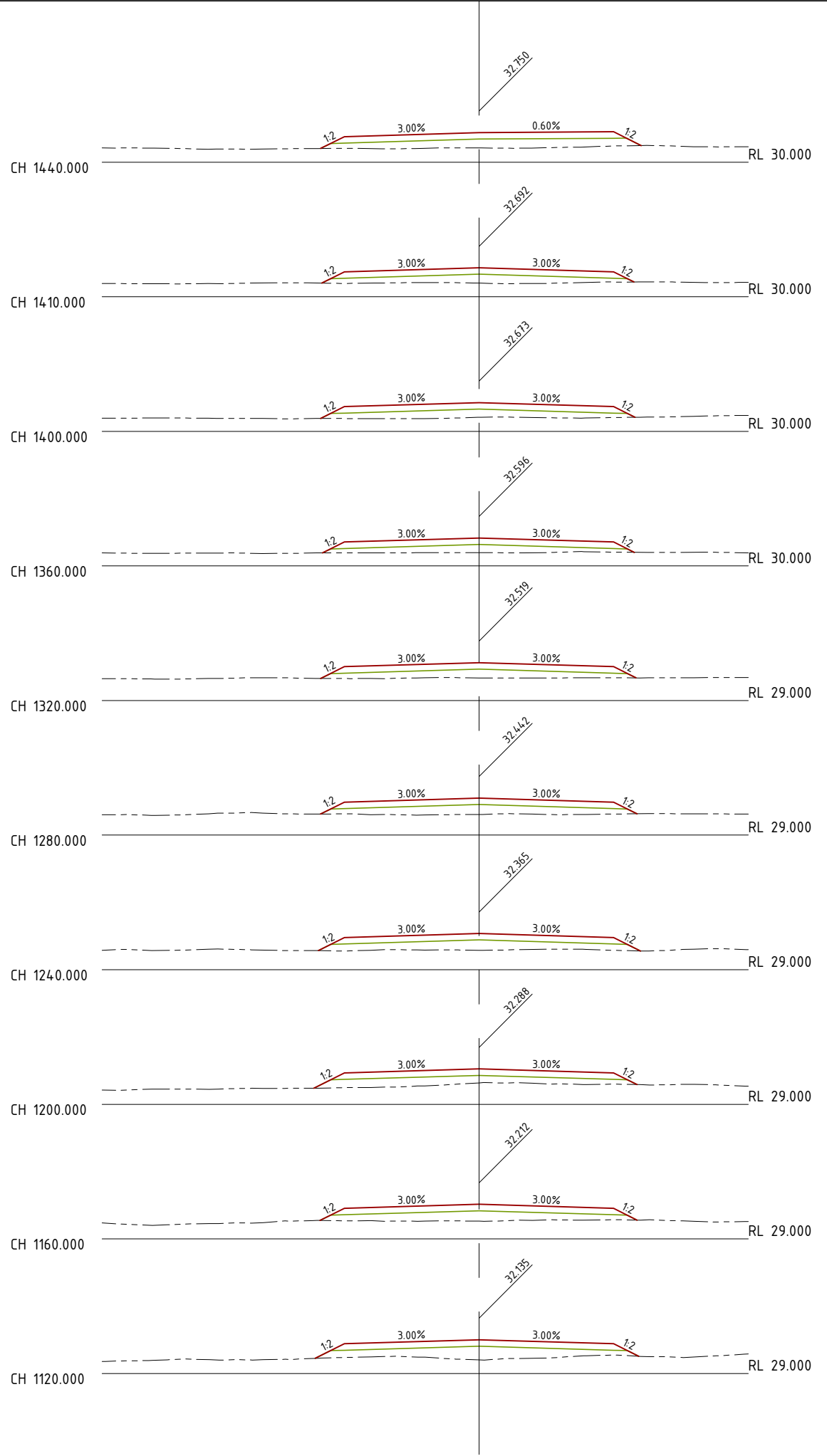
FILE NO G2001-01-HR3.DWG
 JOB NO G2001/01

SCALE 0 1:500 HORIZ. 10 AT A3 SIZE
 0 1:500 VERT 10

DRAWING NUMBER G1706-02-HR-18 ISSUE SHEET NO. 4 19

Scale Horizontal 1:500 Vertical 1:500

PRINT IN COLOUR



LEGEND
 — ROAD PROFILE
 — SUBGRADE SURFACE
 - - - NATURAL SURFACE

DO NOT SCALE OFF DRAWING
 DIMENSIONS METERS UNO

SURVEY DATUM MGA55



NOT FOR CONSTRUCTION

AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
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CENTRAL QUEENSLAND COAL PTL
 CENTRAL QUEENSLAND COAL PROJECT
 CIVIL WORKS
 HAUL ROAD
 CROSS SECTIONS SHEET 2 OF 10
 (CH1120 - CH1800)

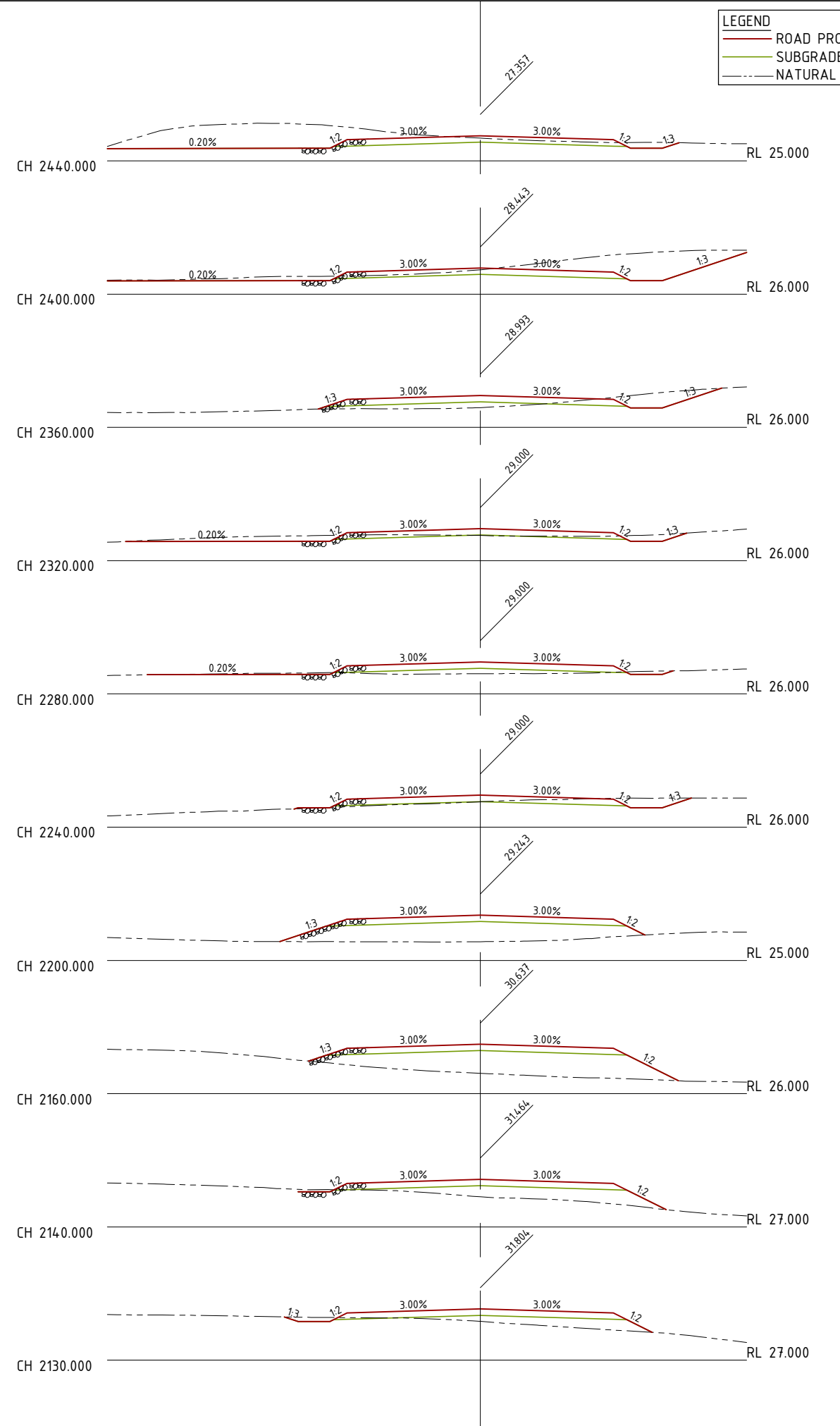
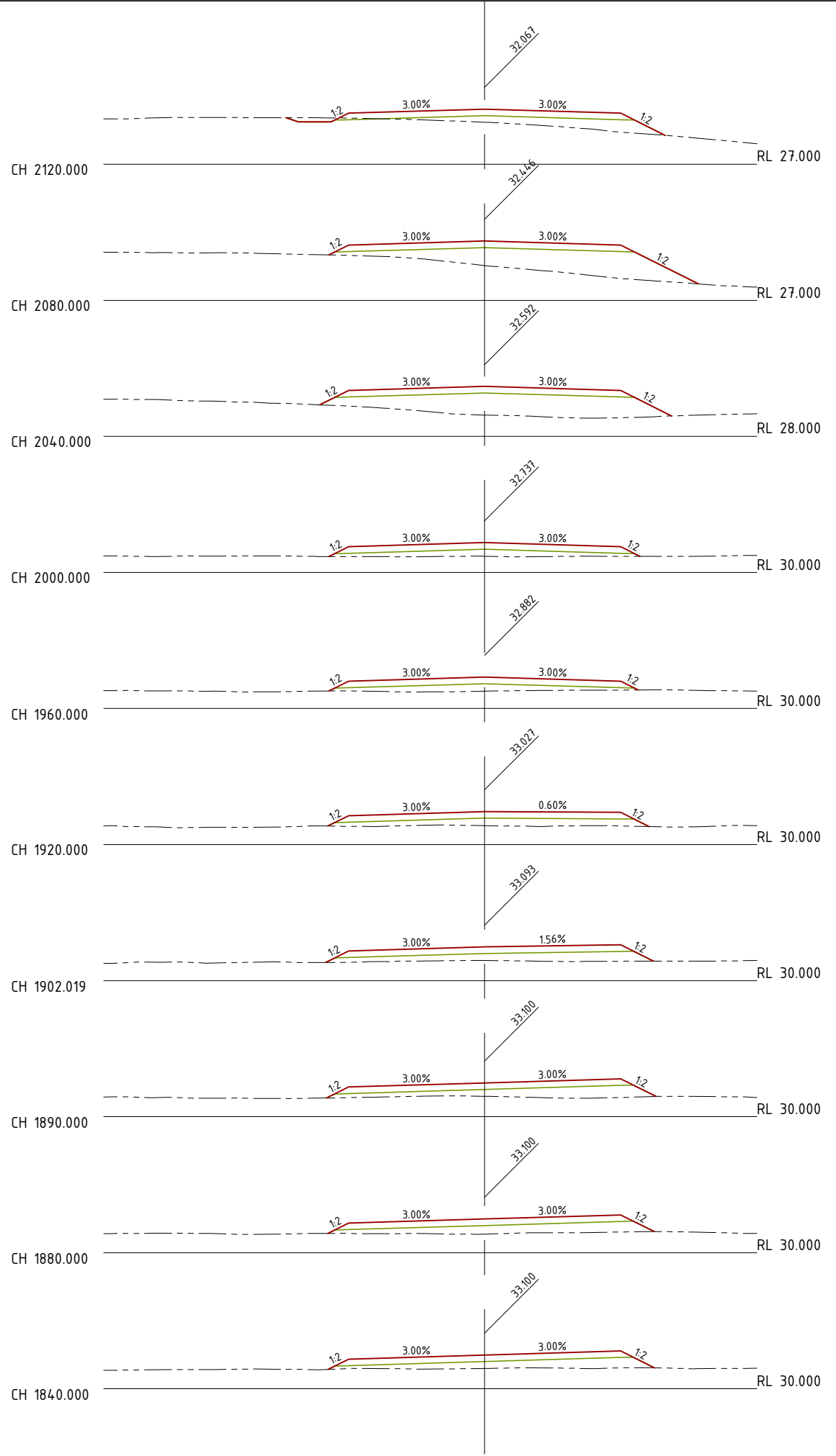
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DRAWING NUMBER G1706-02-HR-19 ISSUE SHEET NO 4 20

Scale Horizontal 1:500 Vertical 1:500

PRINT IN COLOUR



LEGEND
 — ROAD PROFILE
 — SUBGRADE SURFACE
 - - - NATURAL SURFACE

DO NOT SCALE OFF DRAWING
 DIMENSIONS METERS UNO

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AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	27/05/18	FIRST ISSUE	GK
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3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

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 CIVIL WORKS
 HAUL ROAD
 CROSS SECTIONS SHEET 3 OF 10
 (CH1840 - CH2440)

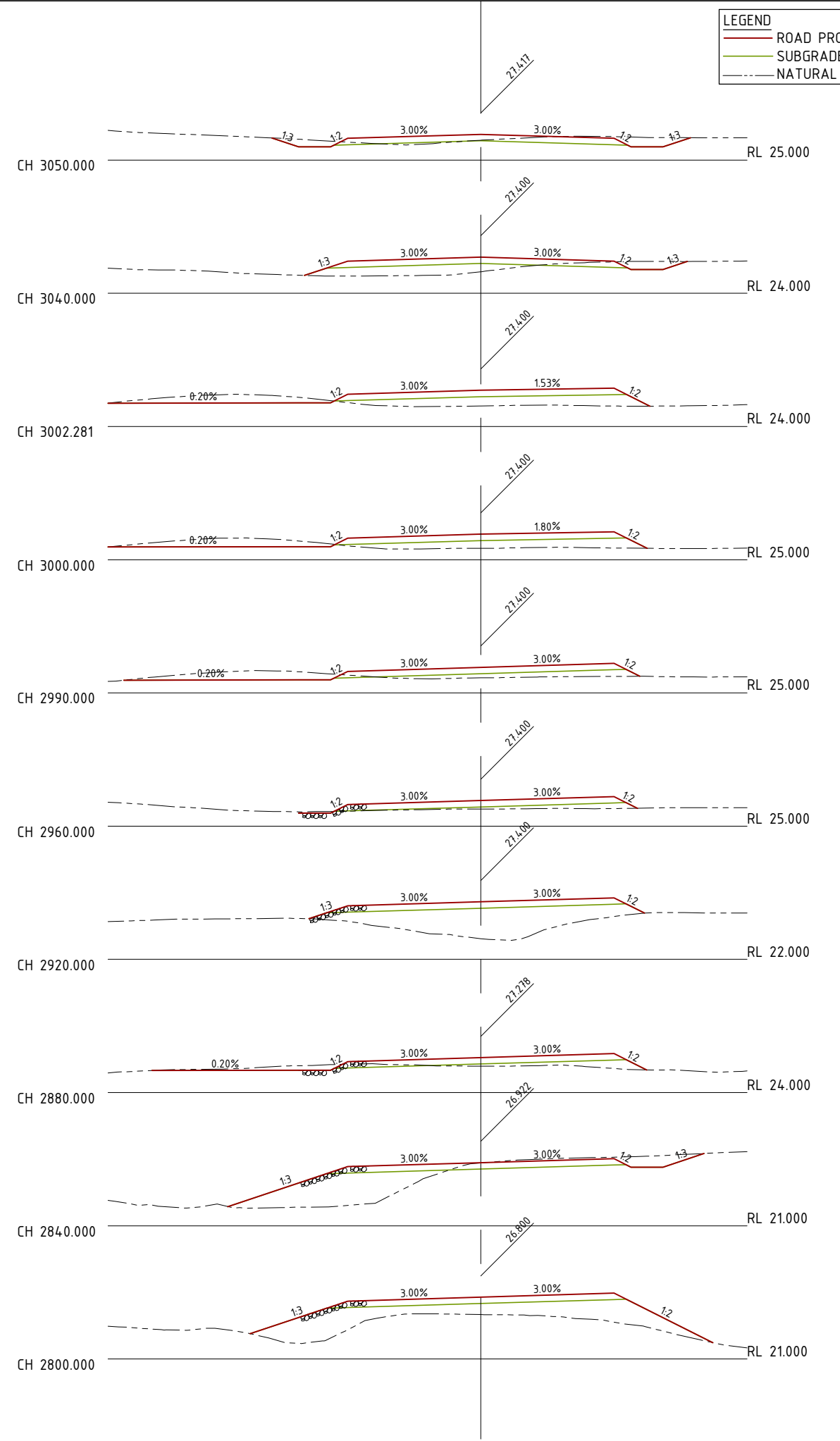
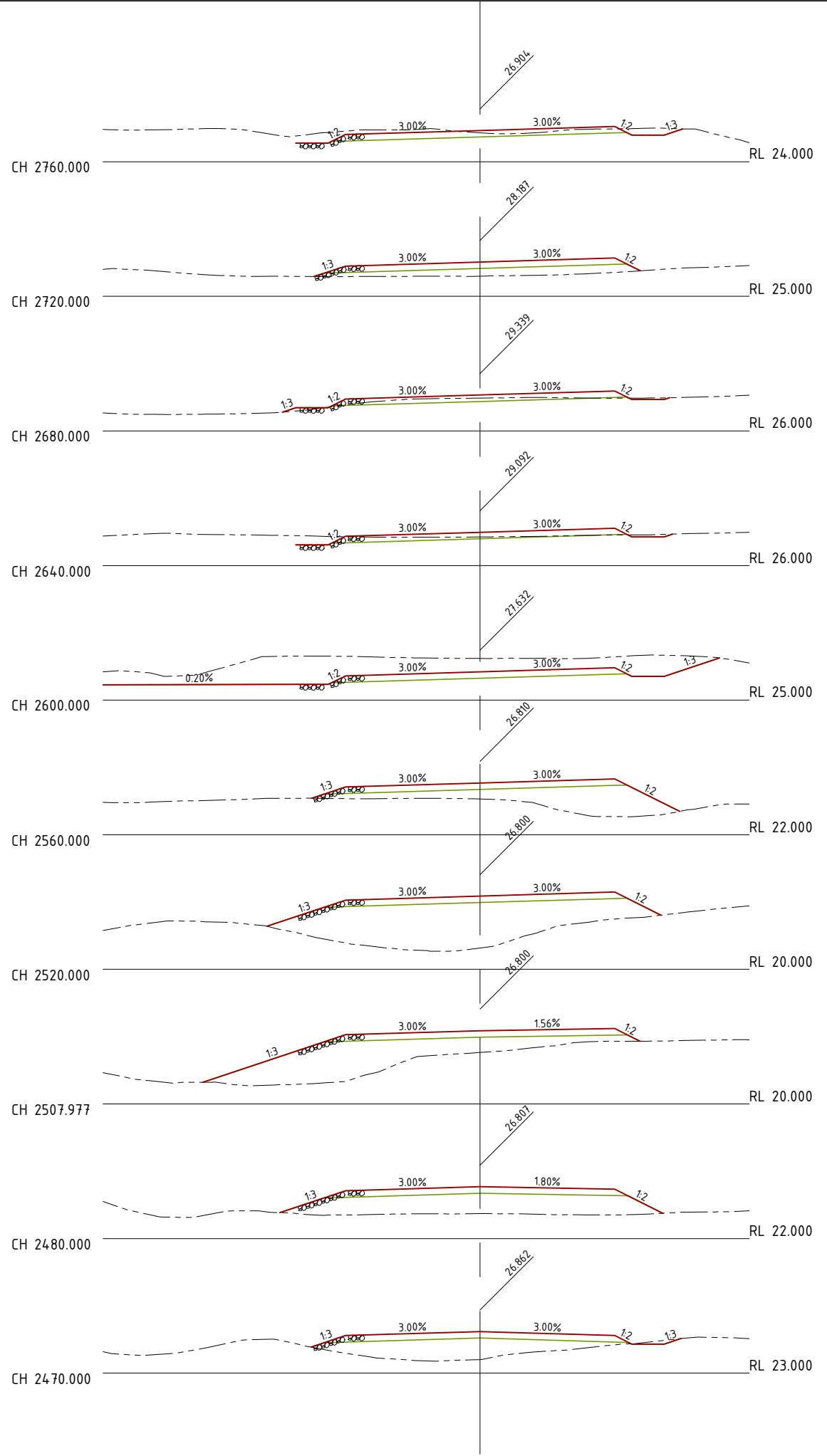
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DRAWING NUMBER G1706-02-HR-20 ISSUE SHEET NO. 4 21

Scale Horizontal 1:500 Vertical 1:500

PRINT IN COLOUR



LEGEND
 ROAD PROFILE
 SUBGRADE SURFACE
 NATURAL SURFACE

DO NOT SCALE OFF DRAWING
 DIMENSIONS METERS UNO

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3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

XREF FILES

DRAWING NO.	TITLE

DRAWN ASC DATE 05/18
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 CIVIL WORKS
 HAUL ROAD
 CROSS SECTIONS SHEET 4 OF 10
 (CH2470 - CH3050)

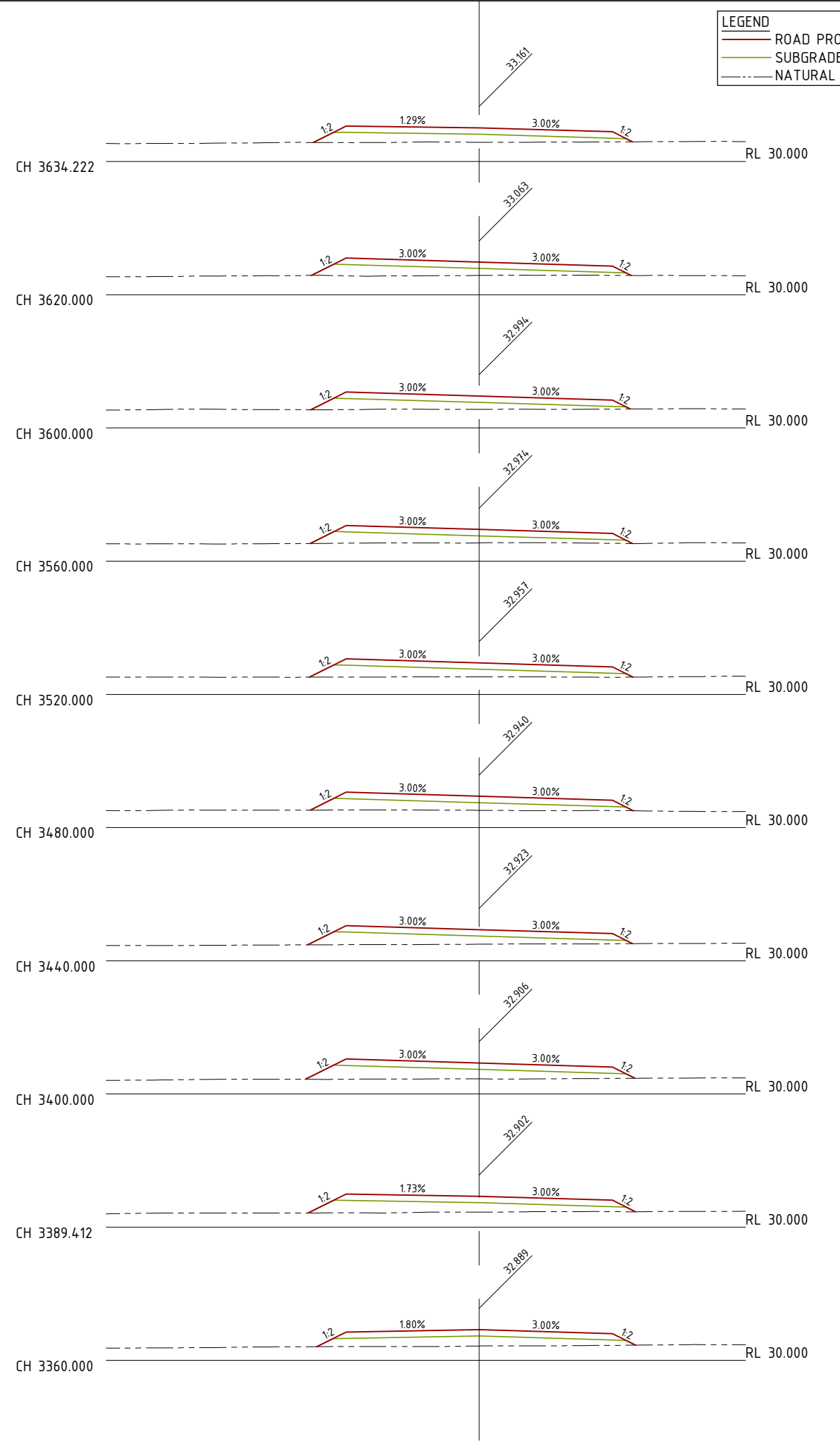
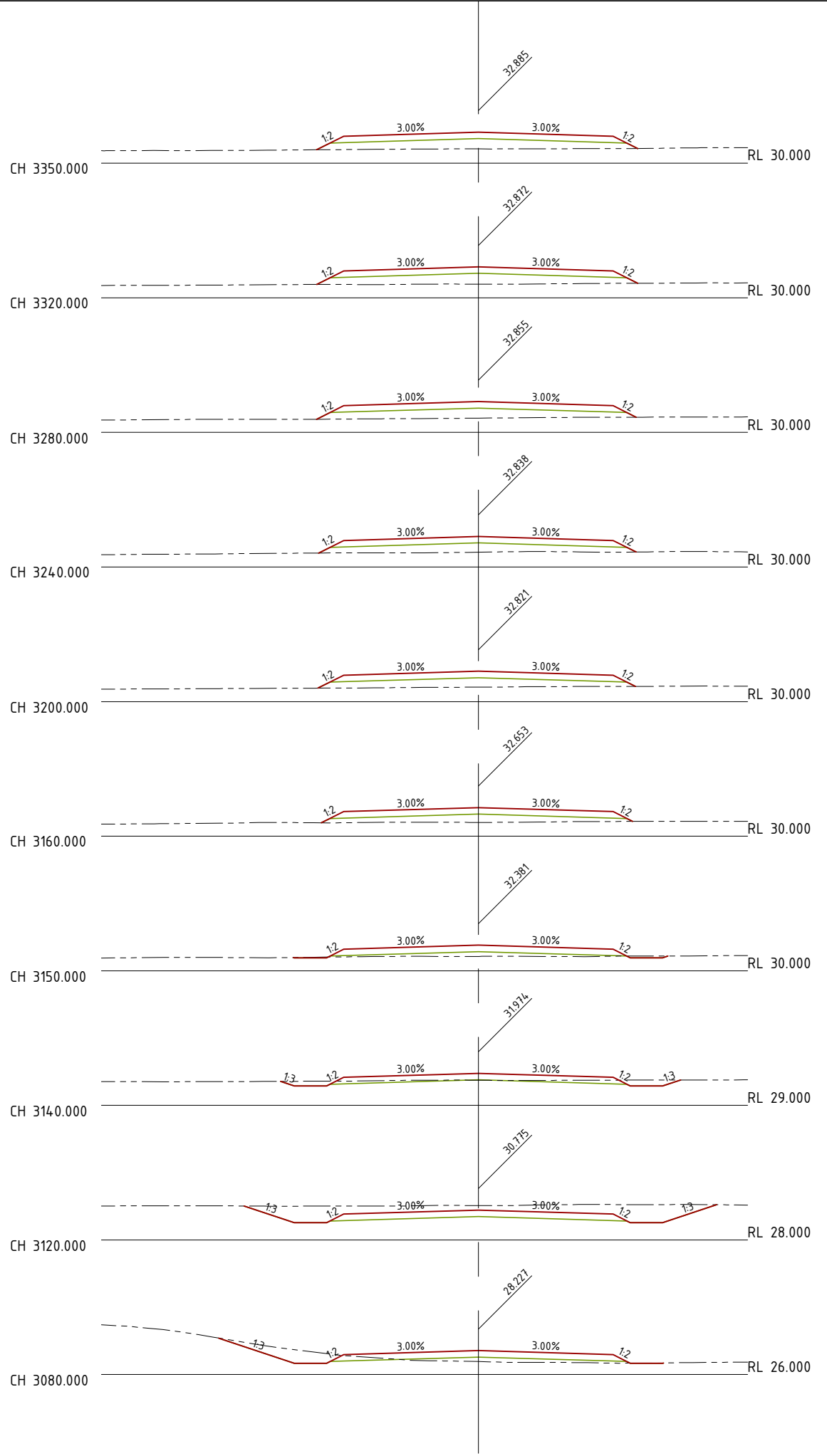
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DRAWING NUMBER G1706-02-HR-21 ISSUE SHEET NO 4 22

Scale Horizontal 1:500 Vertical 1:500

PRINT IN COLOUR



LEGEND
 ROAD PROFILE
 SUBGRADE SURFACE
 NATURAL SURFACE

DO NOT SCALE OFF DRAWING
 DIMENSIONS METERS UNO

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4	1/07/20	NEW DESIGN	GK

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 CIVIL WORKS
 HAUL ROAD
 CROSS SECTIONS SHEET 5 OF 10
 (CH3080 - CH3634.222)

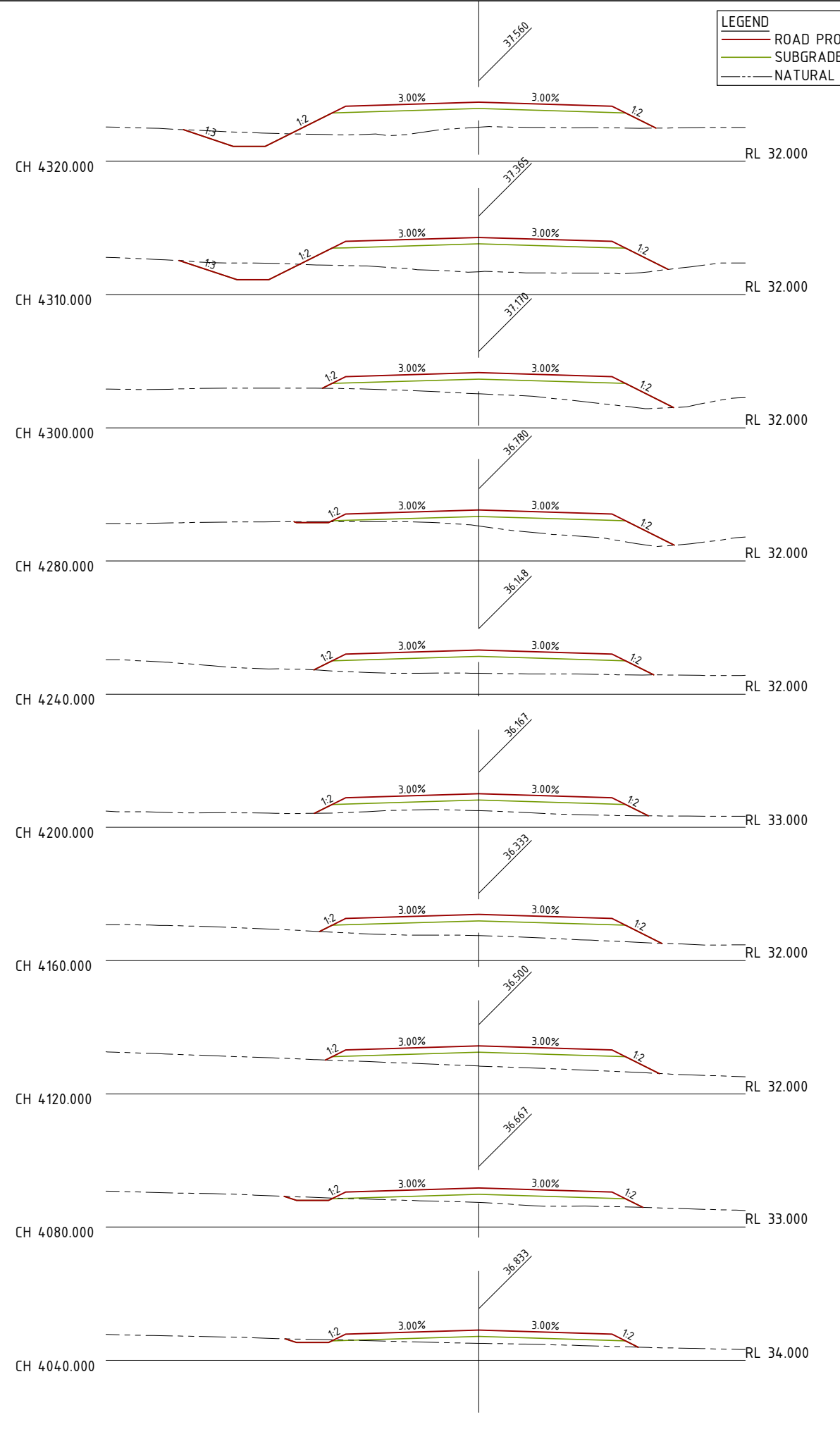
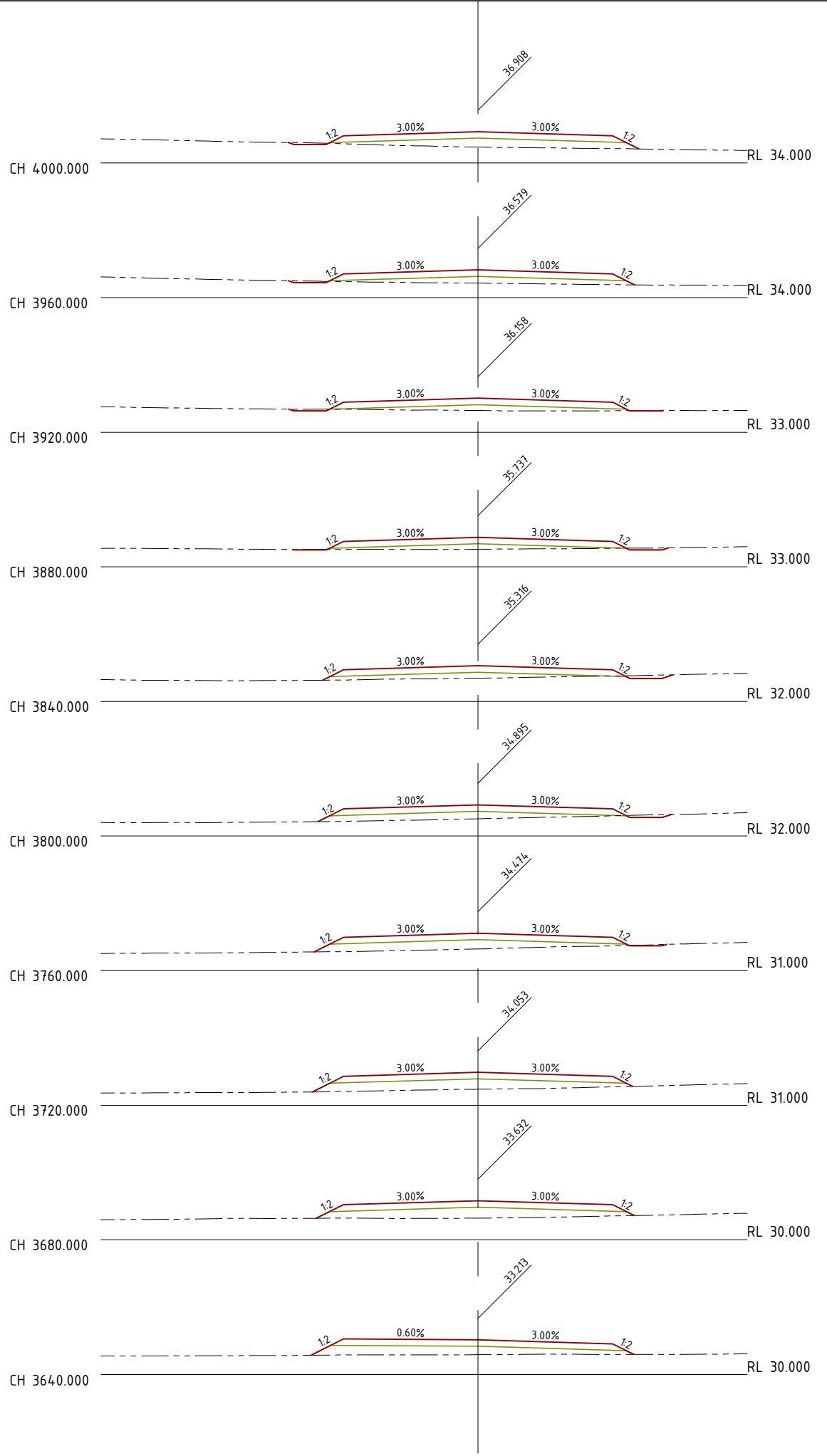
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DRAWING NUMBER G1706-02-HR-22 ISSUE SHEET NO 4 23

Scale Horizontal 1:500 Vertical 1:500

PRINT IN COLOUR



LEGEND
 ROAD PROFILE
 SUBGRADE SURFACE
 NATURAL SURFACE

DO NOT SCALE OFF DRAWING
 DIMENSIONS METERS UNO

SURVEY DATUM MGA55



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1	27/05/18	FIRST ISSUE	GK
2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

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 CENTRAL QUEENSLAND COAL PROJECT
 CIVIL WORKS
 HAUL ROAD
 CROSS SECTIONS SHEET 6 OF 10
 (CH3640 - CH4320)

FILE NO
 G2001-01-HR3.DWG
 JOB NO
 G2001/01

SCALE 0 1:500 HORIZ. 10 AT A3 SIZE
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DRAWING NUMBER G1706-02-HR-23 ISSUE SHEET NO. 4 24

Scale Horizontal 1:500 Vertical 1:500

PRINT IN COLOUR

LEGEND	
	ROAD PROFILE
	SUBGRADE SURFACE
	NATURAL SURFACE

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DIMENSIONS METERS UNO

SURVEY DATUM MGA55



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3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

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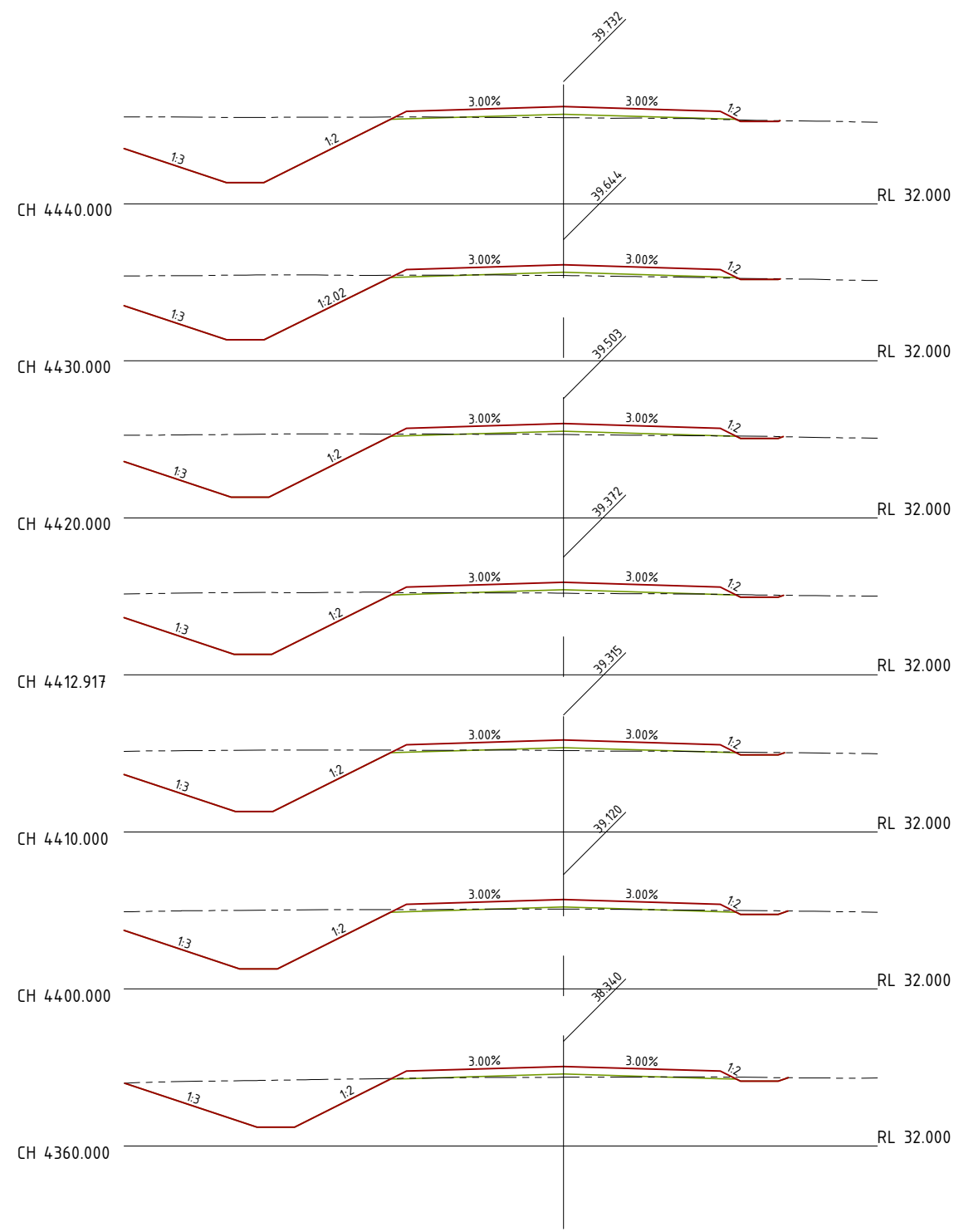
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CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
CROSS SECTIONS SHEET 7 OF 10
(CH4360 - CH4440)

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01

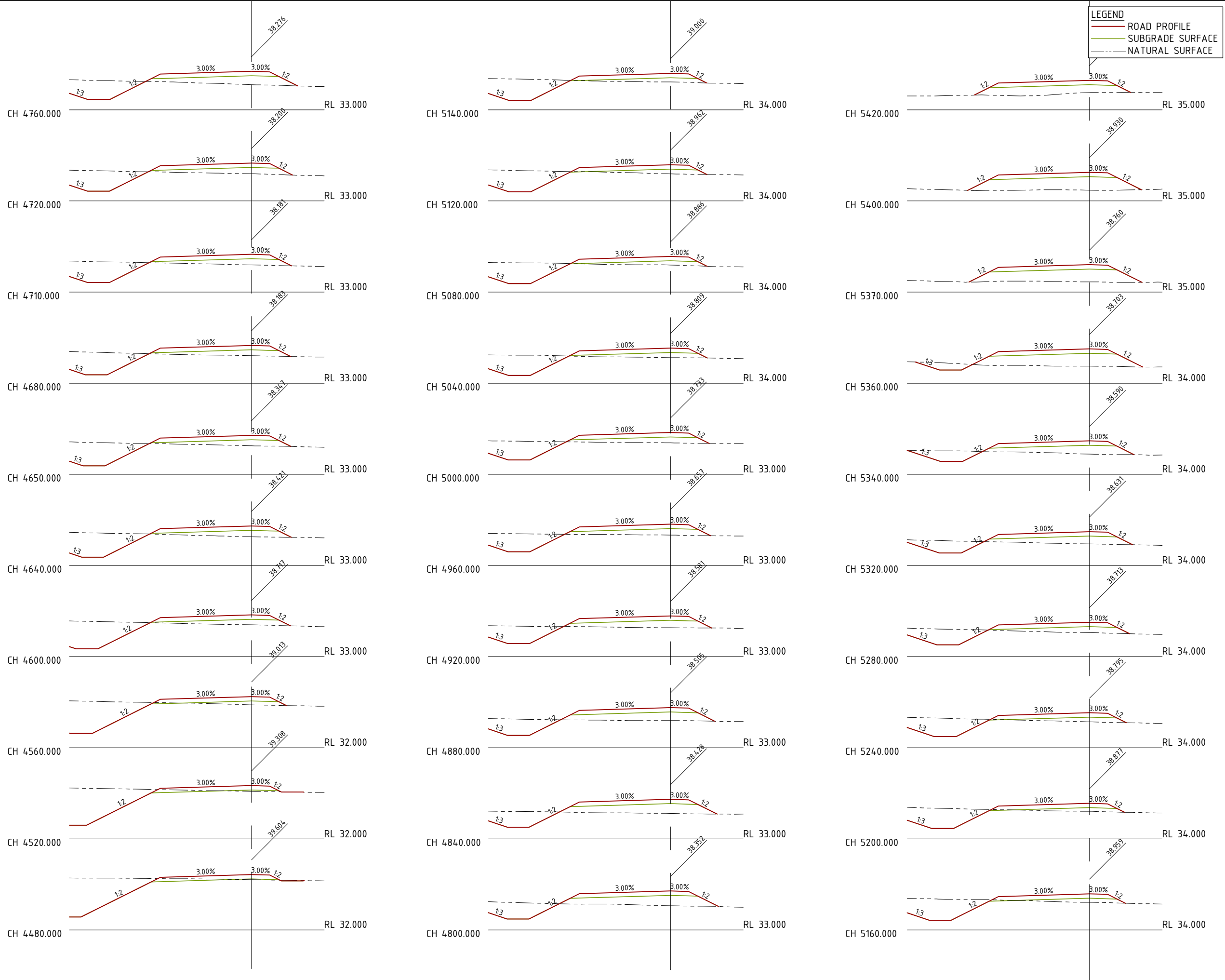
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DRAWING NUMBER G1706-02-HR-24 ISSUE SHEET NO 4 25



Scale Horizontal 1:500 Vertical 1:500

PRINT IN COLOUR



LEGEND
 — ROAD PROFILE
 — SUBGRADE SURFACE
 - - - NATURAL SURFACE

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 DIMENSIONS METERS UNO

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 CIVIL WORKS
 HAUL ROAD
 CROSS SECTIONS SHEET 8 OF 10
 (CH4480 - CH5420)

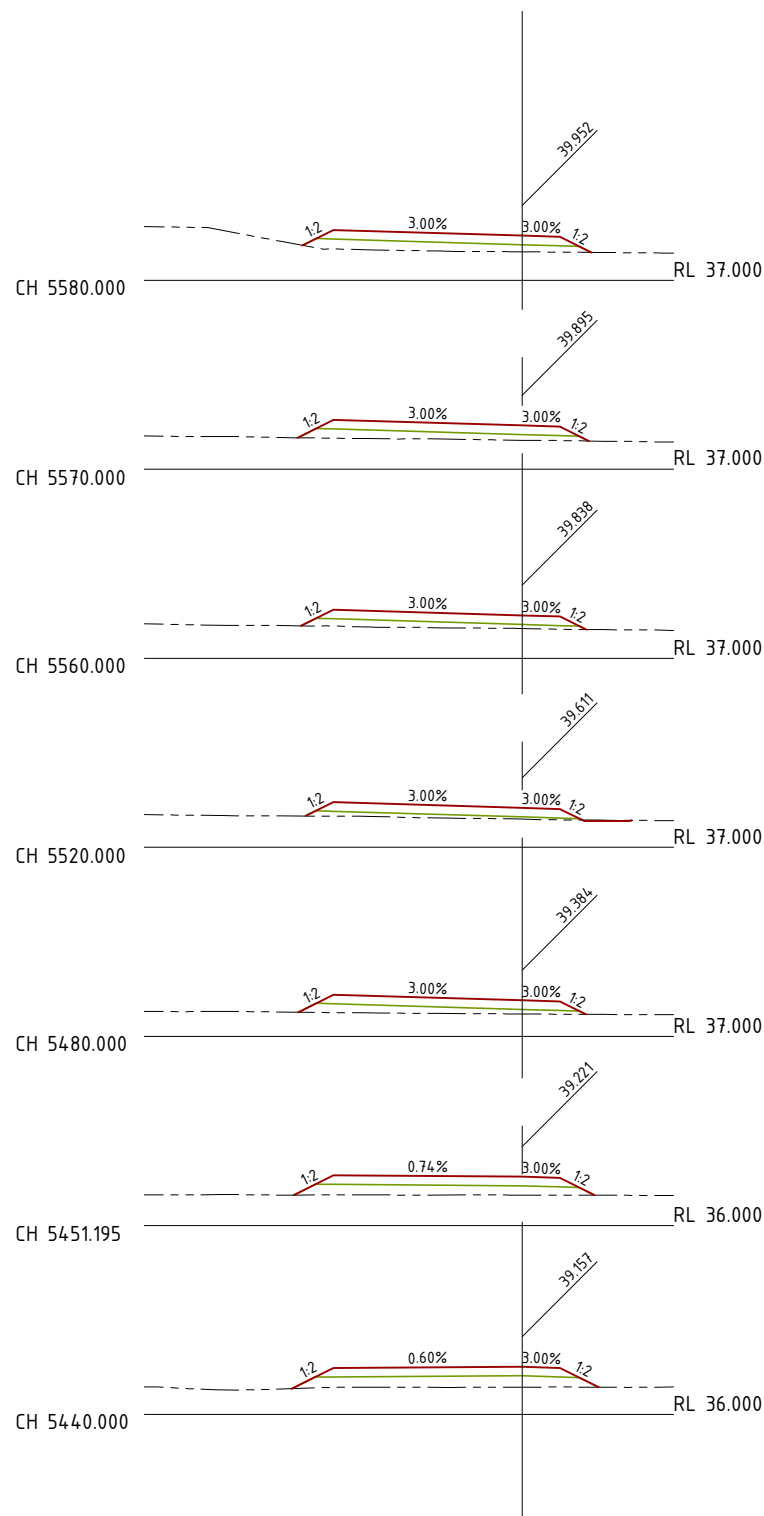
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DRAWING NUMBER G1706-02-HR-25 ISSUE SHEET NO. 4 26

Scale Horizontal 1:500 Vertical 1:500

PRINT IN COLOUR



Scale Horizontal 1:500 Vertical 1:500

LEGEND	
	ROAD PROFILE
	SUBGRADE SURFACE
	NATURAL SURFACE

DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO

SURVEY DATUM MGA55



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DESIGN ASC DATE 05/18

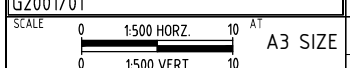


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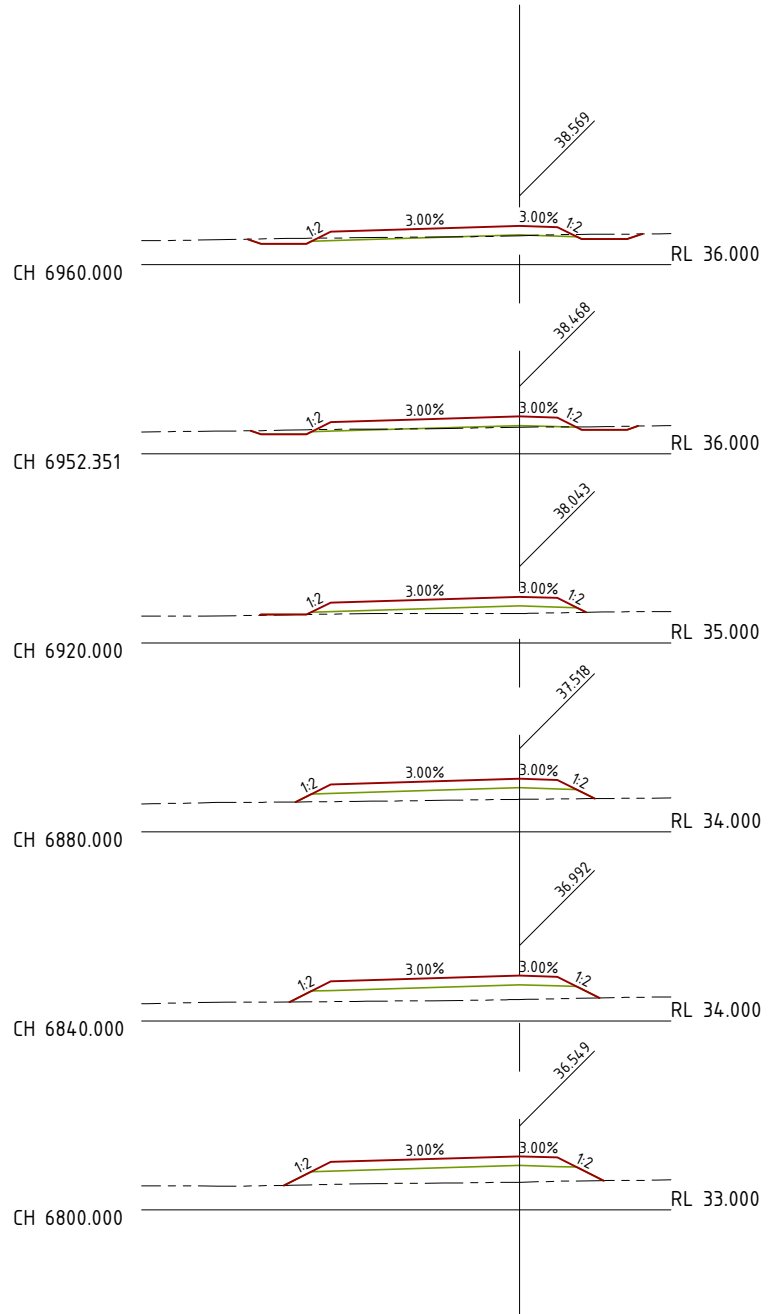
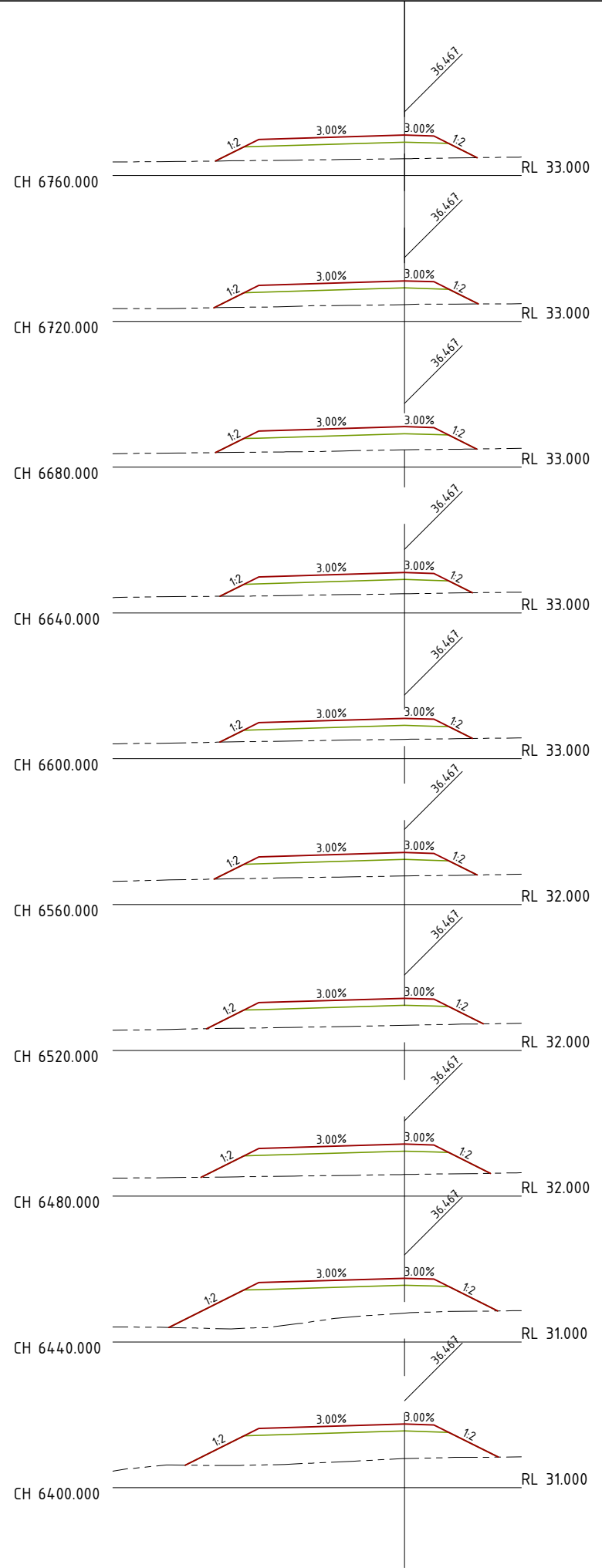
CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
CROSS SECTIONS SHEET 9 OF 10
(CH5440-CH5580)

FILE NO G2001-01-HR3.DWG
JOB NO G2001/01



DRAWING NUMBER G1706-02-HR-26 ISSUE SHEET NO 4 27

PRINT IN COLOUR



LEGEND

- ROAD PROFILE
- SUBGRADE SURFACE
- NATURAL SURFACE

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DIMENSIONS METERS UNO

SURVEY DATUM MGA55



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3	15/07/18	REVISED HWY INTERSECTION	GK
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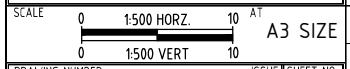


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 CIVIL WORKS
 HAUL ROAD
 CROSS SECTIONS SHEET 10 OF 10
 (CH6400-CH6960)

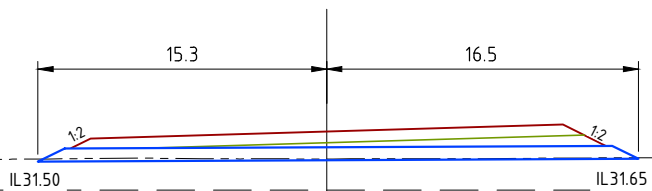
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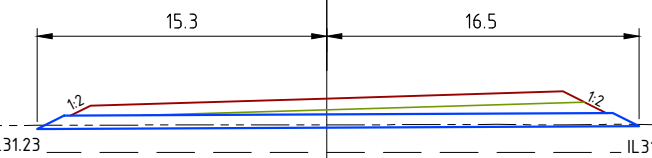
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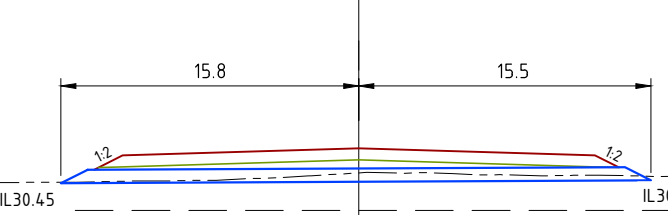
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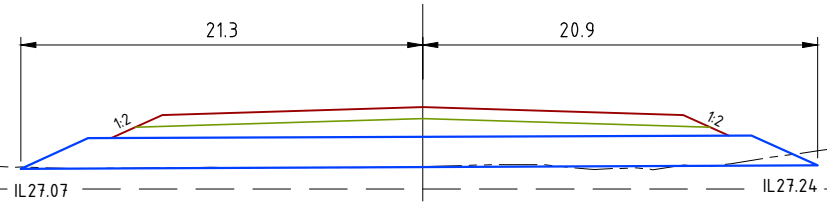
3B. CH1740 1/600 CSP CULVERT 31.8m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



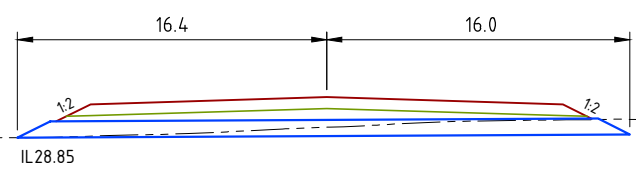
3A. CH1510 1/600 CSP CULVERT 31.8m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



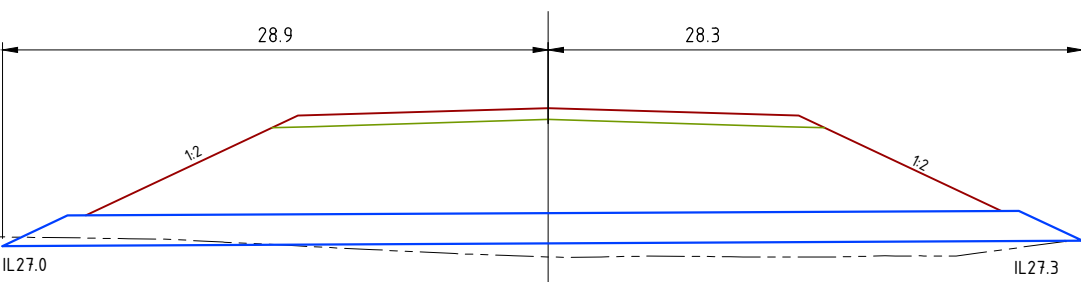
2B. CH1200 1/600 CSP CULVERT 31.3m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



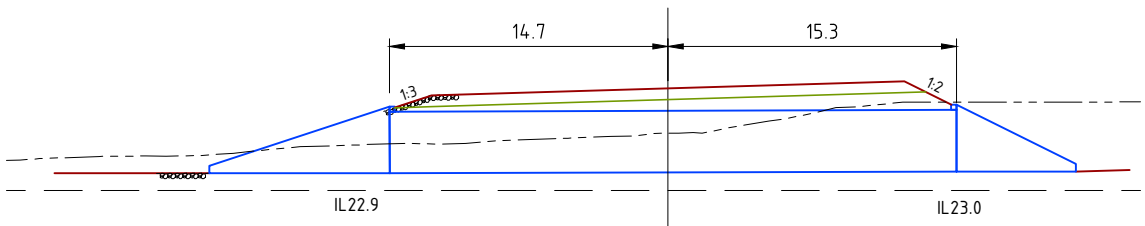
2A. CH970 1/1500 CSP CULVERT 42.2m R-L; SKEW 25° ↙; REFER PLAN HR4 FOR INSTALLATION DETAILS



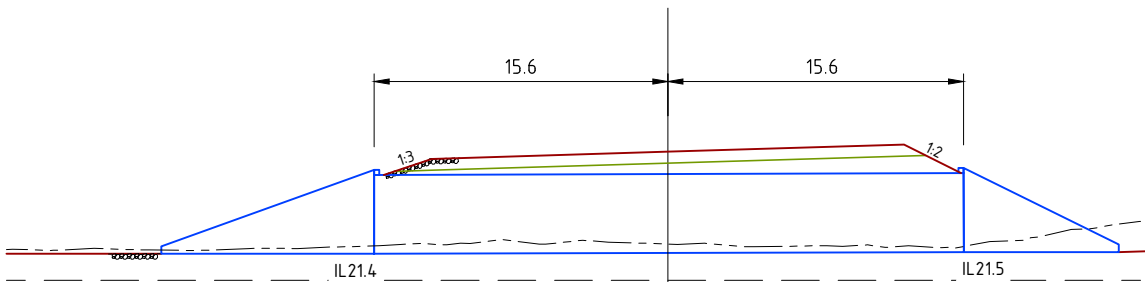
1B. CH680 1/750 CSP CULVERT 32.4m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



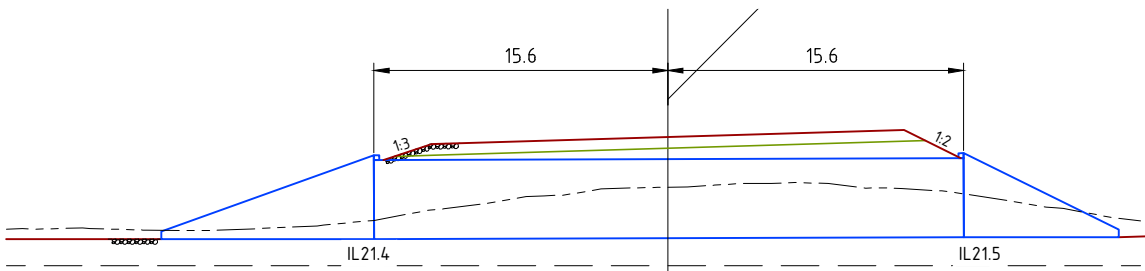
1A. CH320 3/15000 CSP CULVERT 57.2m R-L; SKEW 20° ↙; REFER PLAN HR4 FOR INSTALLATION DETAILS



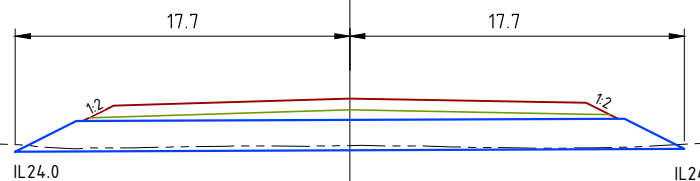
6B. CH2940 2/3600x2700 RCBC PRECAST CROWN; LENGTH 30.0m R-L; INSTALLATION AS PER TMR STD DWG 1316; HEADWALLS & WINGWALLS AS PER TMR STD DWG 1303, W1=W2=11.0m D/S 7.3m U/S; BASES & APRONS AS PER TMR STD DWG 1317; EXCAVATE INLET & OUTLET; RIP RAP ROCK PROTECTION TO D/S BATTER REFER TYPE CROSS SECTION C



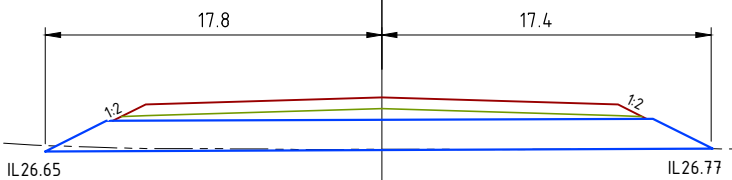
6A. CH1180 2/3600x3600 RCBC PRECAST CROWN; LENGTH 31.2m R-L; INSTALLATION AS PER TMR STD DWG 1316; HEADWALLS & WINGWALLS AS PER TMR STD DWG 1303, W1=W2=13.0m D/S 11.0m U/S; BASES & APRONS AS PER TMR STD DWG 1317; EXCAVATE INLET & OUTLET; RIP RAP ROCK PROTECTION TO D/S BATTER REFER TYPE CROSS SECTION C



5B. CH2540 2/3600x3600 RCBC PRECAST CROWN; LENGTH 31.2m R-L; INSTALLATION AS PER TMR STD DWG 1316; HEADWALLS & WINGWALLS AS PER TMR STD DWG 1303, W1=W2=13.0m D/S 9.5m U/S; BASES & APRONS AS PER TMR STD DWG 1317; EXCAVATE INLET & OUTLET; RIP RAP ROCK PROTECTION TO D/S BATTER REFER TYPE CROSS SECTION C



5A. CH2480 1/1500 CSP CULVERT 35.4m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



4A. CH2190 1/1500 CSP CULVERT 35.2m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS

SURVEY DATUM MGA55



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3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

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DRAWN	ASC	DATE	05/18
DESIGN	ASC	DATE	05/18



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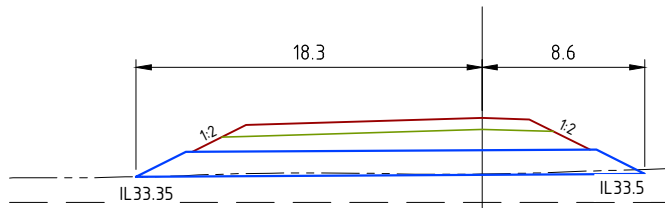
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CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
HAUL ROAD
CULVERT SECTIONS CH320 - CH2940

FILE NO
G2001-01-HR3.DWG
JOB NO
G2001/01

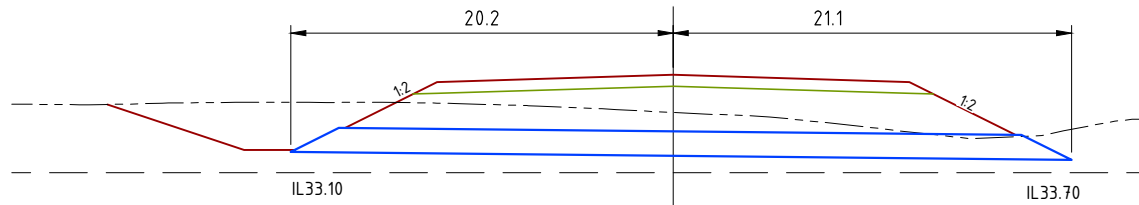
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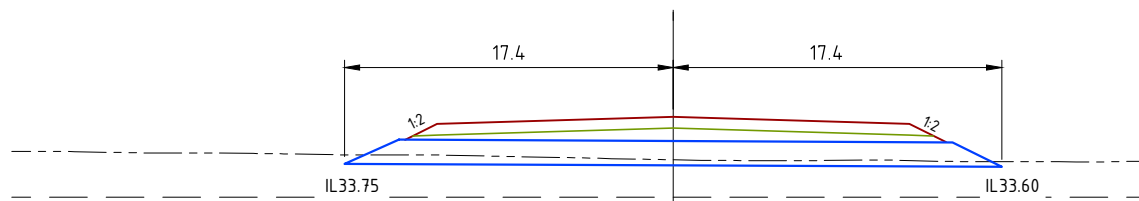
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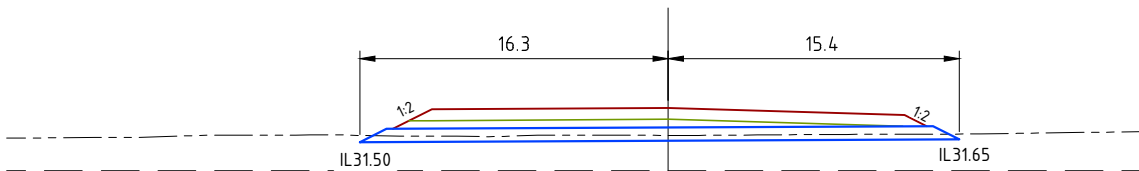
12A. CH6450 1/1200Ø CSP CULVERT 26.9m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



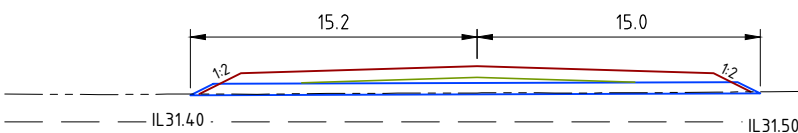
9A. CH4300 10/1200Ø CSP CULVERT 41.3m L-R; REFER PLAN HR4 FOR INSTALLATION DETAILS



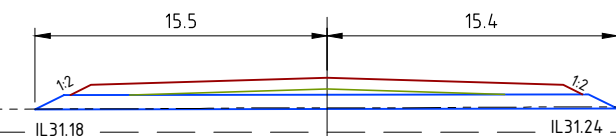
8A. CH4180 2/1200Ø CSP CULVERT 34.8m L-R; REFER PLAN HR4 FOR INSTALLATION DETAILS



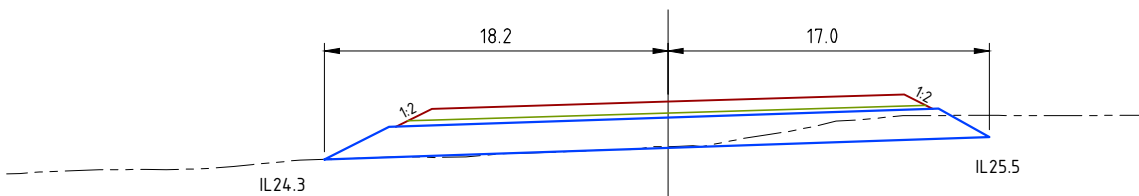
7C. CH3650 3/600Ø CSP CULVERT 31.7m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



7B. CH3510 3/600Ø CSP CULVERT 30.2m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



7A. CH3330 1/750Ø CSP CULVERT 30.9m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS



6C. CH3030 1/1500Ø CSP CULVERT 35.2m R-L; REFER PLAN HR4 FOR INSTALLATION DETAILS

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3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

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DRAWN ASC DATE 05/18

DESIGN ASC DATE 05/18



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CIVIL WORKS
HAUL ROAD
CULVERT SECTIONS CH3030 - CH6450

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SCALE 0 1:400 HORZ. 8 AT A3 SIZE

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