



Central Queensland Coal Project
Appendix 16a – Mine Access Road
Civil Drawings

Central Queensland Coal

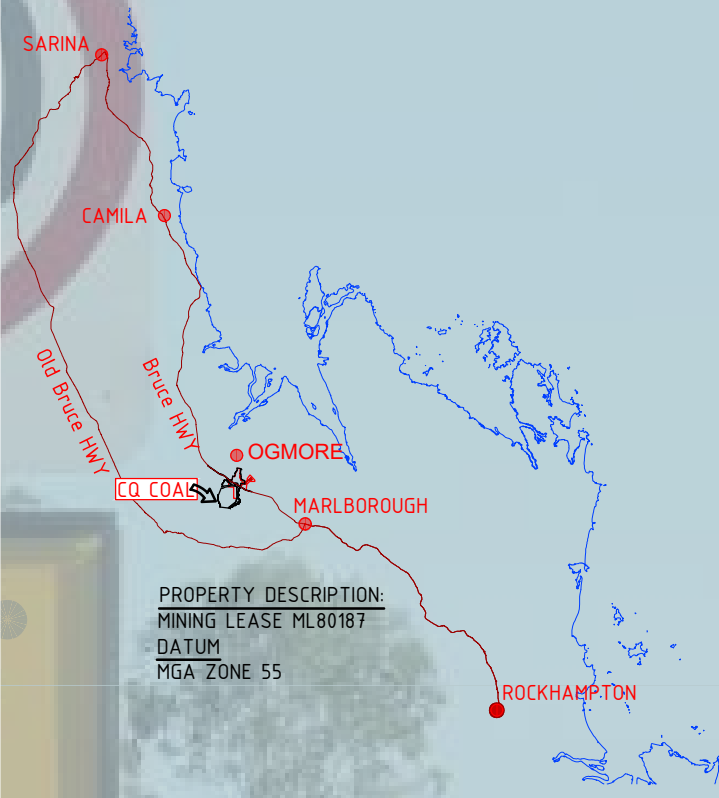
CQC SEIS, Version 3

October 2020

CENTRAL QUEENSLAND COAL

DRAWING INDEX

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21	G1706-02-AR-20	4	CULVERT CROSS SECTIONS



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

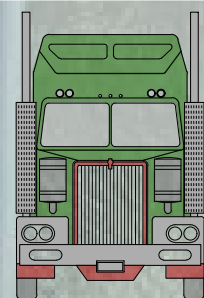
- NO WORK IS TO BE STARTED WITHIN 3m OF EXISTING SERVICES PRIOR TO NOTIFYING THE RELEVANT SERVICE AUTHORITY. DETAILS OF EXISTING SERVICES INCLUDING LOCATIONS POSITION AND LEVEL THAT HAVE ALREADY BEEN DETERMINED ARE SHOWN ON THE DRAWINGS. PRIOR TO COMMENCING CONSTRUCTION WORKS THE CONTRACTOR SHALL OBTAIN 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 AUTHORIZED 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

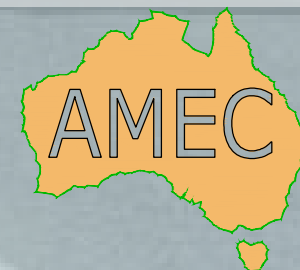
- THE CONTRACTOR IS DEEMED TO BE FAMILIAR WITH THE CURRENT ENVIRONMENTAL LAWS AND HIS LEGAL RESPONSIBILITIES AND LIABILITIES UNDER THE LAWS.
- THE CONTRACTOR IS DEEMED TO BE RESPONSIBLE FOR THE ENVIRONMENTAL MANAGEMENT OF THE SITE FOR THE DURATION OF THE CONTRACT AND IS RESPONSIBLE FOR ANY BREACHES TO 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

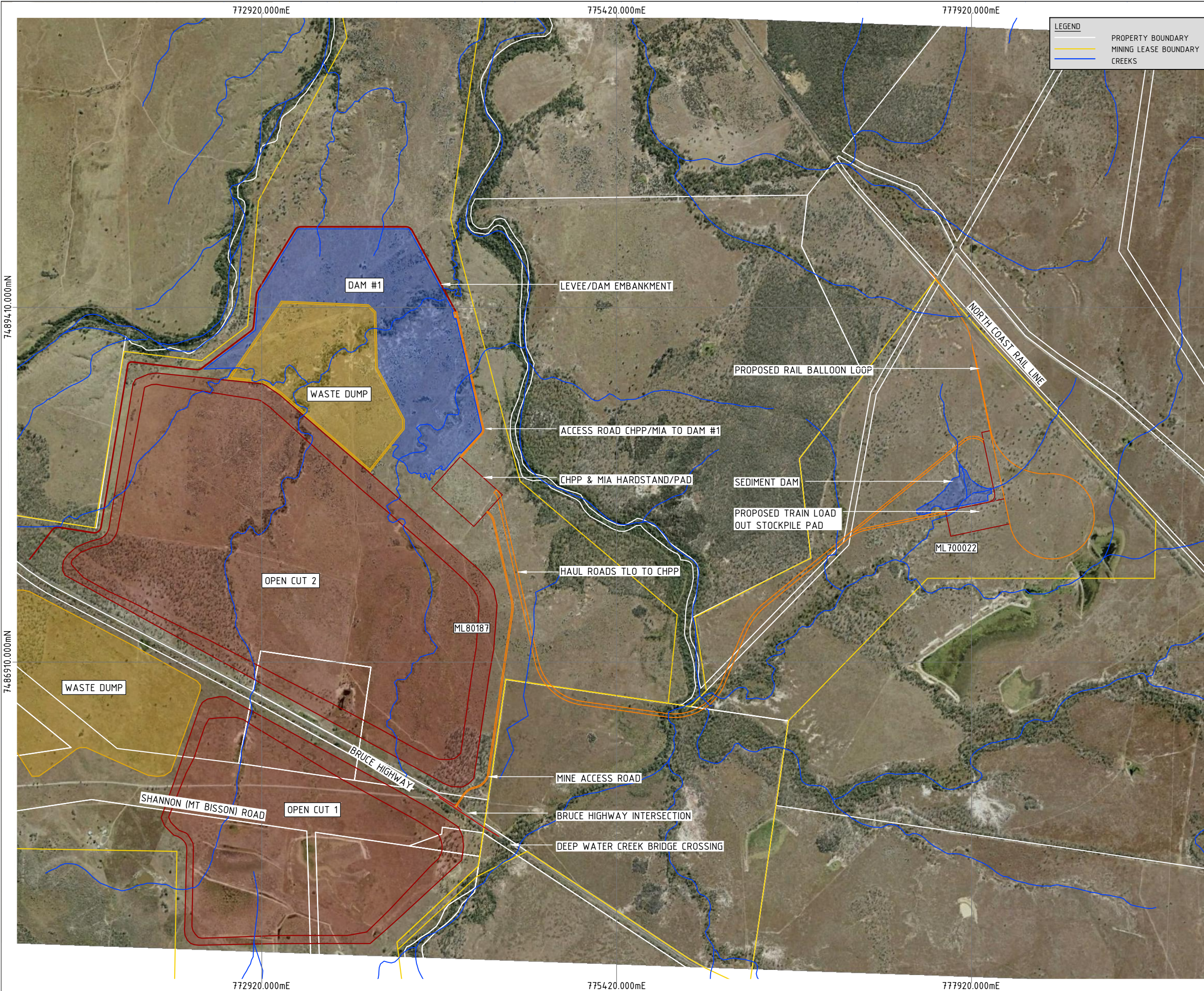
- UNLESS NOTED OTHERWISE REFERENCES TO STANDARD DRAWINGS "STD DWG" ARE CAPRICORN MUNICIPAL DEVELOPMENT GUIDELINES (CMDG) STANDARD DRAWINGS OR TRANSPORT MAIN ROADS (TMR) STANDARD DRAWINGS.



CENTRAL QUEENSLAND COAL MINE
ACCESS ROAD
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



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
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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

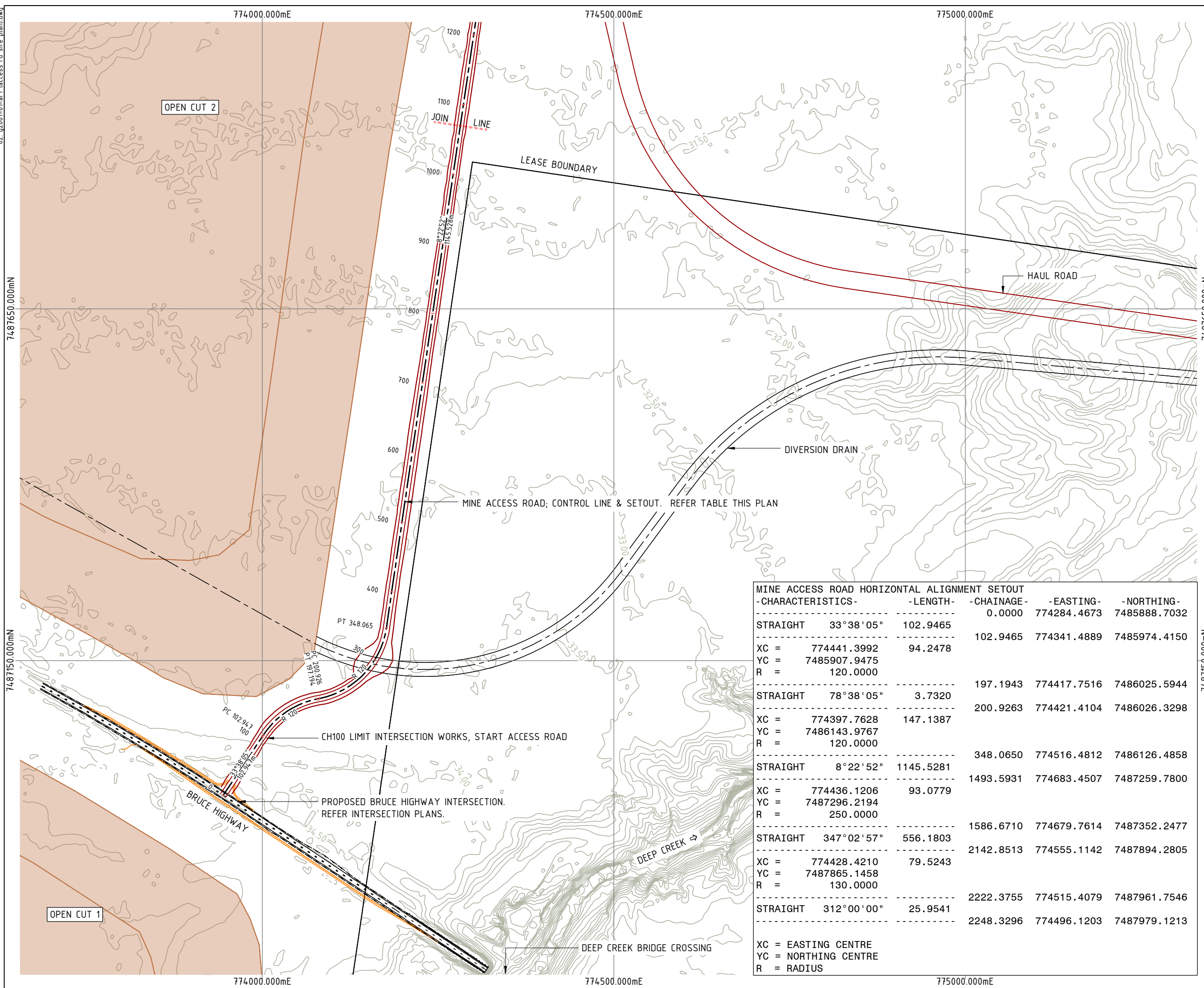
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DRAWING NUMBER G1706-02-GA-1 ISSUE SHEET NO. 4 1

PRINT IN COLOUR

02. g2001-01-ar1 (access rd site plan).dwg



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SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



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



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RPEQ 4321
AUTHORISED FOR ISSUE DATE 1/07/2020

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

FILE NO
G2001-01-AR1.DWG
JOB NO
G2001/01

SCALE
0 1:5000 HORZ. 100 AT A3 SIZE

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

MINE ACCESS ROAD HORIZONTAL ALIGNMENT SETOUT				
-CHARACTERISTICS-	-LENGTH-	-CHAINAGE-	-EASTING-	-NORTHING-
STRAIGHT	33°38'05"	102.9465	774284.4673	7485888.7032
		102.9465	774341.4889	7485974.4150
XC =	774441.3992	94.2478		
YC =	7485907.9475			
R =	120.0000			
STRAIGHT	78°38'05"	3.7320	197.1943	774417.7516
		200.9263	774421.4104	7486026.3298
XC =	774397.7628	147.1387		
YC =	7486143.9767			
R =	120.0000			
STRAIGHT	8°22'52"	1145.5281	348.0650	774516.4812
		1493.5931	774683.4507	7487259.7800
XC =	774436.1206	93.0779		
YC =	7487296.2194			
R =	250.0000			
STRAIGHT	347°02'57"	556.1803	1586.6710	774679.7614
		2142.8513	774555.1142	7487894.2805
XC =	774428.4210	79.5243		
YC =	7487865.1458			
R =	130.0000			
STRAIGHT	312°00'00"	25.9541	2222.3755	774515.4079
		2248.3296	774496.1203	7487979.1213

XC = EASTING CENTRE
YC = NORTHING CENTRE
R = RADIUS

PRINT IN COLOUR

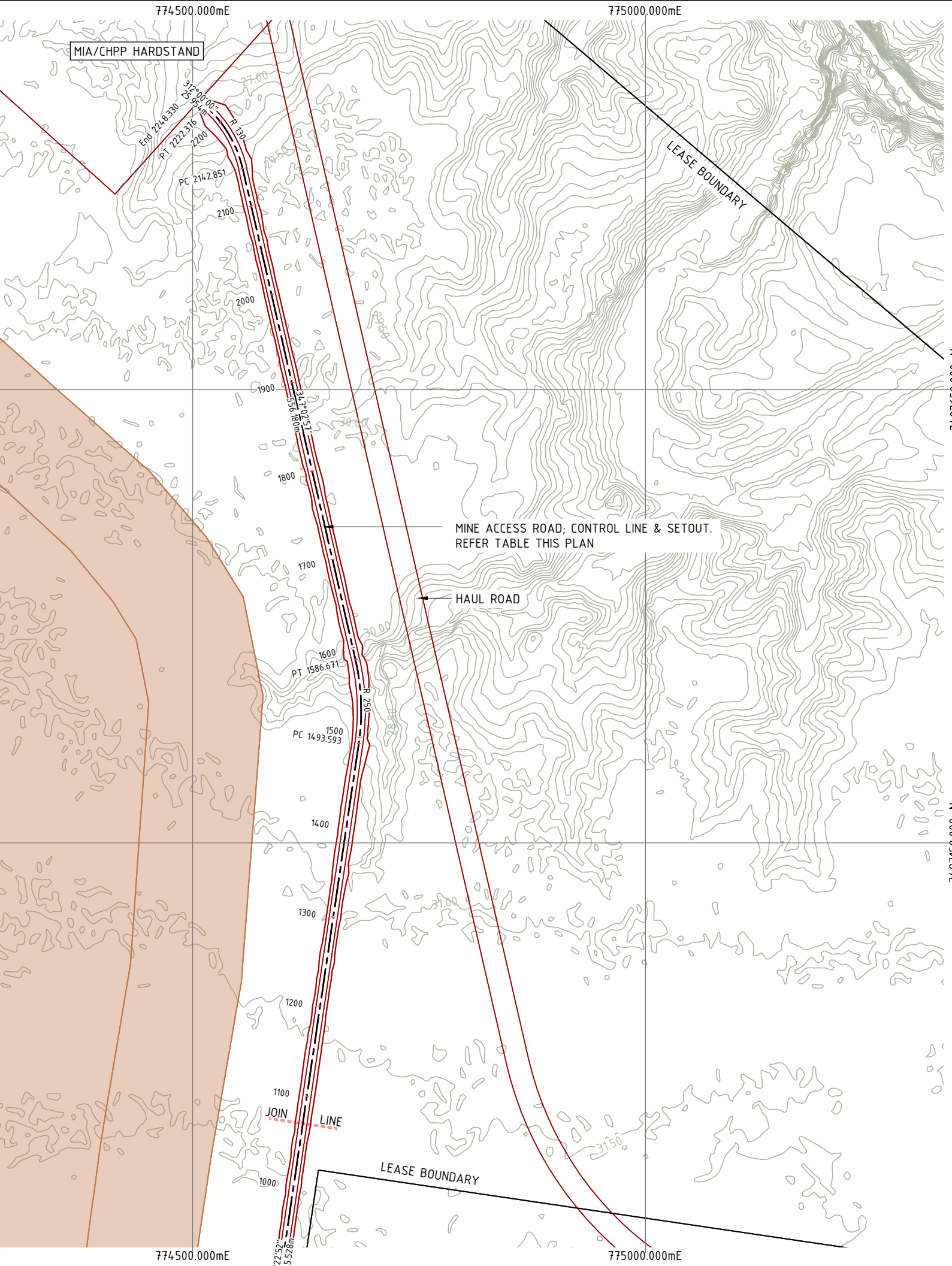
02_g2001-01-ar1 (access rd site plan).dwg

7487650.000mN

7487150.000mN

MINE ACCESS ROAD HORIZONTAL ALIGNMENT SETOUT CHARACTERISTICS	LENGTH	CHAINAGE	EASTING	NORTHING
STRAIGHT	33° 38' 05"	102.9465	774284.4673	7485888.7032
XC =	774441.3992	94.2478		
YC =	7485907.9475			
R =	120.0000			
STRAIGHT	78° 38' 05"	3.7320	774417.7516	7486025.5944
XC =	774397.7628	147.1387		
YC =	7486143.9767			
R =	120.0000			
STRAIGHT	8° 22' 52"	1145.5281	774516.4812	7486126.4858
XC =	774436.1206	93.0779		
YC =	7487296.2194			
R =	250.0000			
STRAIGHT	347° 02' 57"	556.1803	774679.7614	7487352.2477
XC =	774428.4210	79.5243		
YC =	7487865.1458			
R =	130.0000			
STRAIGHT	312° 00' 00"	25.9541	774515.4079	7487961.7546
XC =	774496.1203	2248.3296	774496.1203	7487979.1213

XC = EASTING CENTRE
YC = NORTHING CENTRE
R = RADIUS



DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



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 [Signature] DATE 1/07/2020

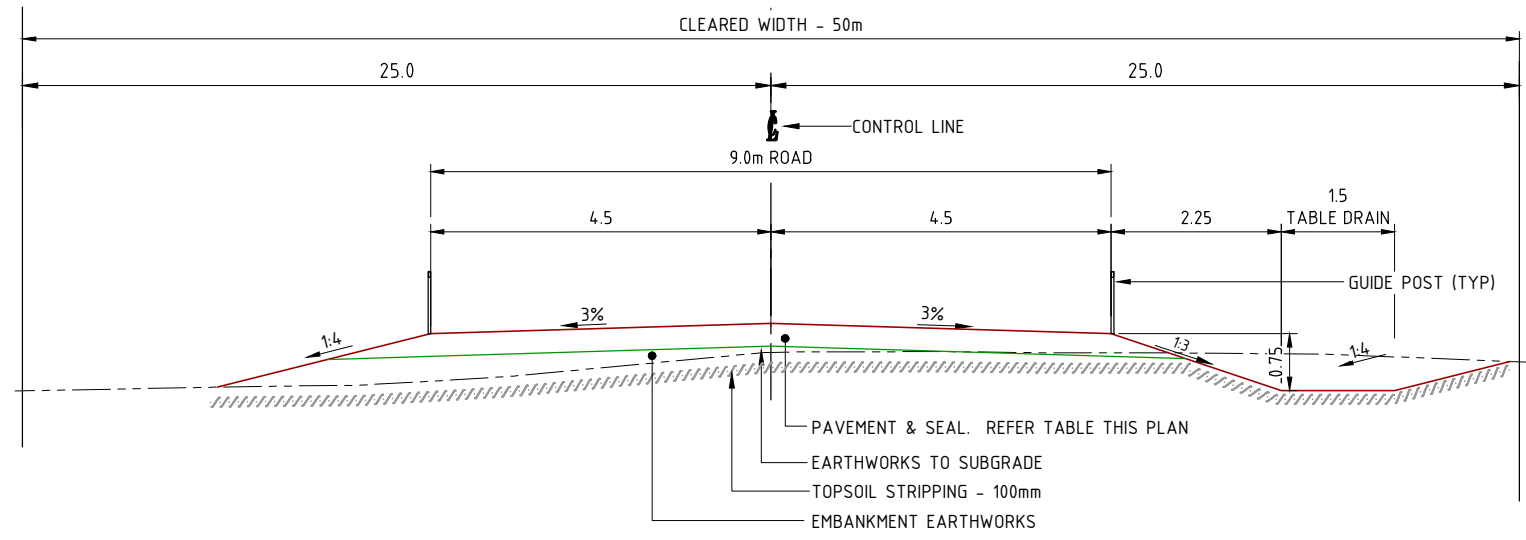
CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
ALIGNMENT SETOUT SHEET 2 OF 2

FILE NO
G2001-01-AR1.DWG
JOB NO
G2001/01

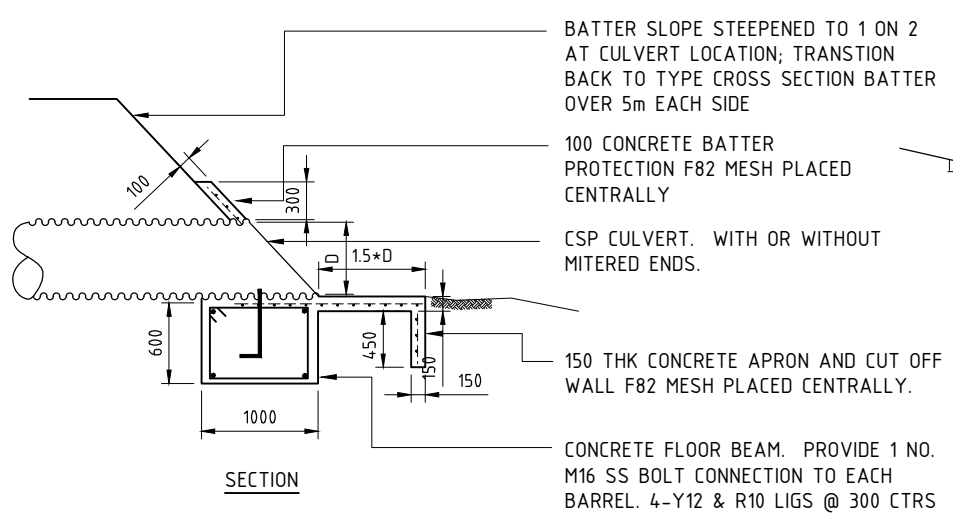
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DRAWING NUMBER
G1706-02-AR-2
ISSUE SHEET NO.
4 3

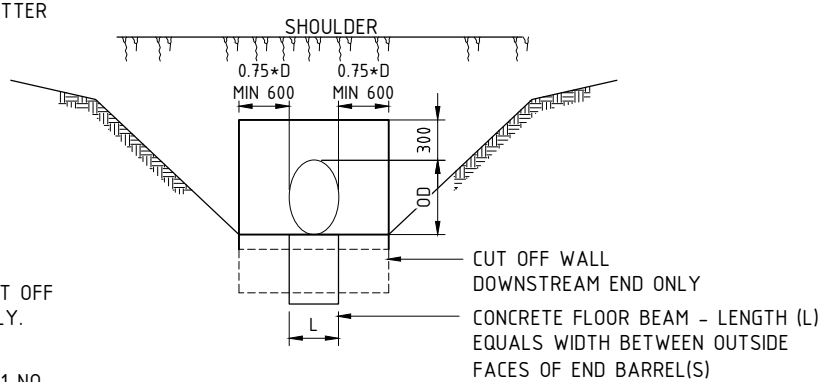
PRINT IN COLOUR



TYPICAL ROAD CROSS



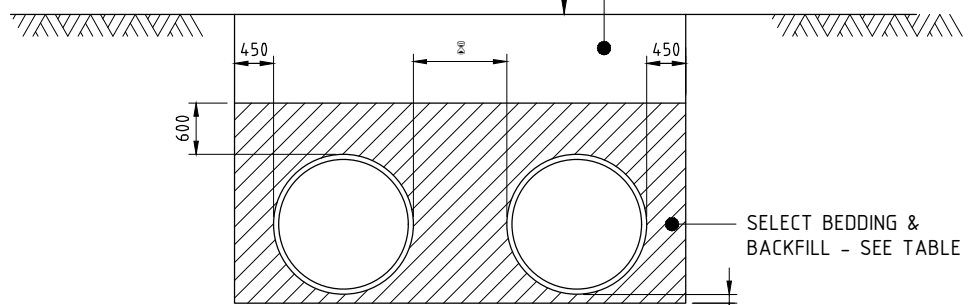
SECTION



ELEVATION

BATTER SLOPE STEEPENED TO 1 ON 2 AT CULVERT LOCATION; TRANSITION BACK TO TYPE CROSS SECTION BATTER OVER 5m EACH SIDE
 100 CONCRETE BATTER PROTECTION F82 MESH PLACED CENTRALLY
 CSP CULVERT. WITH OR WITHOUT MITERED ENDS.
 150 THK CONCRETE APRON AND CUT OFF WALL F82 MESH PLACED CENTRALLY.
 CONCRETE FLOOR BEAM. PROVIDE 1 NO. M16 SS BOLT CONNECTION TO EACH BARREL. 4-Y12 & R10 LIGS @ 300 CTRS

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.



450 FOR PIPES <=900 DIA.
 900 FOR PIPES >900 DIA.

BEDDING & BACKFILL

DETAIL FOR CSP CULVERT END TREATMENT DIMENSIONS MILLIMETRES

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.C.4.1. 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.C.4.1. ALL BACKFILL MATERIAL SHALL

PAVEMENT DETAILS - CH100 TO CH1480
 BASE COURSE 300mm COMPACTED DEPTH FRESH PERMIAN SANDSTONE SPOIL; SUB-BASE(1) COURSE IF ORDERED 150mm SELECTED MATERIAL MIN CBR 10%.
 SEAL DETAILS - CH100 TO CH1480
 APPLICATION OF DUST SUPPRESSION PRODUCT DUST-A-SIDE AUSTRALIA DAS PRODUCT OR APPROVED EQUIVALENT APPLIED IN ACCORDANCE WITH MANUFACTURER/SUPPLIERS RECOMMENDATIONS
 PAVEMENT MATERIALS TO BE SUPPLIED IN STOCKPILE BY THE MINE.

- NOTES
- CONNECTION TO EXISTING WORKS: LEVELS MAY BE VARIED WHERE NECESSARY TO ACHIEVE A SATISFACTORY CONNECTION TO EXISTING WORKS.
 - EMBANKMENT EARTHWORKS: WELL GRADED NON LOCALLY SOURCED MATERIAL; MAX PARTICLE SIZE 150mm; LL < 30%; PI < 15%; & EMMERSON DISPERSION CLASSIFICATION GREATER THAN 4.
 - 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.
 - 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.
 - 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 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.
PREPARATION OF NATURAL GROUND UNDER EMBANKMENTS	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	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.
STORMWATER TRENCH COMPACTION	FIELD DENSITY (AUSTRALIAN STANDARD)	WHERE TRENCH CROSSES THE ROAD PAVEMENT ONE (1) TEST PER REACH A MINIMUM OF 100% STANDARD COMPACTION FOR THE FULL DEPTH OF ROAD CROSSING. AUDIT TESTS AS ORDERED ONLY.
PAVEMENT LAYERS	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	QUALITY	EX STOCKPILE PROVIDED BY MINE. NO TESTING REQUIRED BY CONTRACTOR
CONCRETE FOR SLABS, HEADWALLS	PROOF ROLL WITH LOADED WATER CART OR EQUIV.	ENTIRE AREA. NO VISIBLE FLEXING TO BE OBSERVED
	PROOF ROLL WITH LOADED WATER CART OR EQUIV.	ENTIRE AREA. NO VISIBLE FLEXING TO BE OBSERVED
	M	ONE (1) SET OF THREE CYLINDERS PER CULVERT INSTALLATION (1 X 7 DAYS, 2 X 28 DAYS).

ALL TEST LOCATIONS TO BE RECORDED WITH GPS CO-ORDINATES

DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO



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XREF FILES

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



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 MOB: 0417187149
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 MACKAY

RPEQ 4321 AUTHORIZED FOR ISSUE DATE 1/07/2020

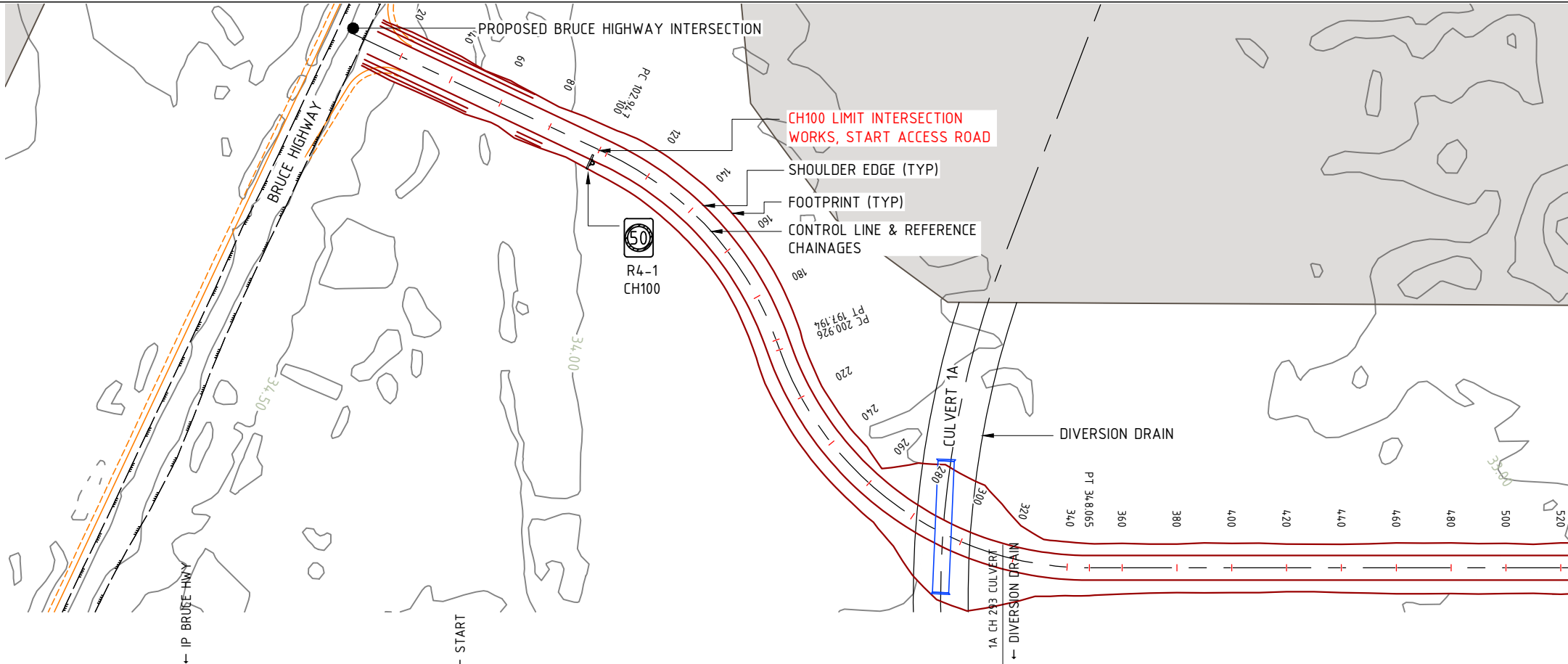
CENTRAL QUEENSLAND COAL PTL
 CENTRAL QUEENSLAND COAL PROJECT
 CIVIL WORKS
 MINE ACCESS ROAD
 TYPE CROSS SECTION & DETAILS

FILE NO G2001-01-AR2.DWG
 JOB NO G2001/01

SCALE NOT TO SCALE AT A3 SIZE

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

04_g2001-01-ar3 (access rd plan & sections).dwg



DEPTH	+0.125	+0.580	+0.562	+0.882	+0.710	+0.848	+1.064	+1.095	+1.182	+1.213	+1.140	+1.264	+1.139	+1.198	+1.208	+1.134	+1.139	+1.170	+6.460	+9.037	+4.854	+1.235	+1.215	+1.184	+1.157	+1.234	+1.202	+1.208			
CENTRE FSL	35.289	35.136	35.030	34.989	34.985	34.965	34.942	34.938	34.918	34.894	34.871	34.847	34.827	34.824	34.823	34.800	34.776	34.753	34.729	34.706	34.666	34.627	34.611	34.588	34.549	34.510	34.470	34.431			
CENTRE NSL	35.164	34.479	34.450	34.106	34.275	34.118	33.877	33.843	33.736	33.681	33.731	33.583	33.688	33.625	33.615	33.666	33.637	33.583	28.270	25.669	29.812	33.392	33.396	33.404	33.392	33.276	33.269	33.223			
LHS SHLD FSL	35.154	34.925	34.877	34.854	34.850	34.922	35.007	35.019	35.053	35.029	35.006	34.950	34.837	34.819	34.812	34.687	34.641	34.618	34.594	34.571	34.531	34.492	34.476	34.453	34.414	34.375	34.335	34.296			
RHS SHLD FSL	35.154	34.925	34.877	34.854	34.850	34.830	34.807	34.803	34.783	34.759	34.736	34.744	34.817	34.829	34.833	34.913	34.911	34.888	34.864	34.841	34.801	34.762	34.692	34.588	34.414	34.375	34.335	34.296			
CHAINAGE	0.000	15.000	20.000	25.000	40.000	60.000	62.947	80.000	100.000	102.947	120.000	140.000	160.000	180.000	197.194	200.000	200.926	220.000	240.000	260.000	280.000	300.000	320.000	340.000	348.065	360.000	380.000	400.000	420.000	440.000	
Alignment Details																															
Super Elevation																															

Scale Horizontal 1:2000 Vertical 1:500

CHAINAGE	EASTING	NORTHING
0.000	774284.467	7485888.703
20.000	774295.545	7485905.355
40.000	774306.623	7485922.007
60.000	774317.701	7485938.658
62.947	774319.333	7485941.112
80.000	774328.779	7485955.310
100.000	774339.857	7485971.962
102.947	774341.489	7485974.415
120.000	774351.910	7485987.896
140.000	774366.413	7486001.634
160.000	774382.995	7486012.775
180.000	774401.194	7486021.012
197.194	774417.752	7486025.594
200.000	774420.502	7486026.147
200.926	774421.410	7486026.330
220.000	774439.733	7486031.556
240.000	774457.802	7486040.076
260.000	774474.207	7486051.476
280.000	774488.493	7486065.440
300.000	774500.265	7486081.580
320.000	774509.196	7486099.449
340.000	774515.039	7486118.552
348.065	774516.481	7486126.486
360.000	774518.221	7486138.293
380.000	774521.136	7486158.080
400.000	774524.051	7486177.866
420.000	774526.966	7486197.653
440.000	774529.881	7486217.439

DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
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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	
DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN ASC DATE 05/18

DESIGN ASC DATE 05/18



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AUSTRALIAN MINING ENGINEERING CONSULTANTS
PH: 4954 9429
MOB: 0417187149
EMAIL: amec1@bigpond.net.au
MACKAY

RPEQ 4321 AUTHORIZED FOR ISSUE DATE 1/07/2020

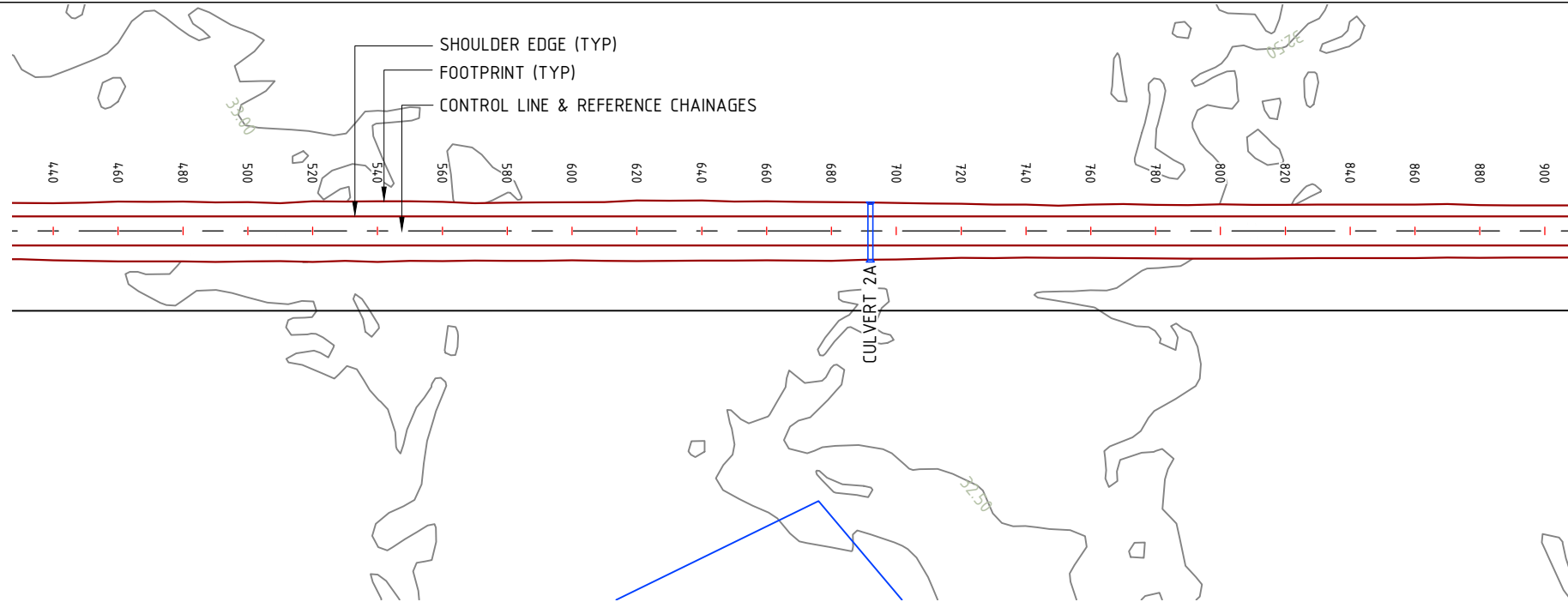
CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 1 OF 6

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01

SCALE 1:2000 HORZ. 40 AT A3 SIZE
1:500 VERT. 4

DRAWING NUMBER G1706-02-AR-4 ISSUE SHEET NO. 4 5

PRINT IN COLOUR



DEPTH	+1208	+1279	+1289	+1317	+1274	+1337	+1270	+1234	+1178	+1256	+1292	+1220	+1281	+1189	+1065	+1059	+1075	+1024	+1037	+1029	+1037	+1018	+1061
CENTRE FSL	34.431	34.392	34.353	34.314	34.274	34.235	34.196	34.157	34.118	34.078	34.039	34.000	33.935	33.870	33.805	33.740	33.675	33.610	33.545	33.481	33.416	33.351	33.286
CENTRE NSL	33.223	33.113	33.064	32.997	33.001	32.899	32.926	32.923	32.940	32.823	32.747	32.780	32.654	32.681	32.740	32.681	32.601	32.586	32.508	32.452	32.379	32.333	32.225
LHS SHLD FSL	34.296	34.257	34.218	34.179	34.139	34.100	34.061	34.022	33.983	33.943	33.904	33.865	33.800	33.735	33.670	33.605	33.540	33.475	33.410	33.346	33.281	33.216	33.151
RHS SHLD FSL	34.296	34.257	34.218	34.179	34.139	34.100	34.061	34.022	33.983	33.943	33.904	33.865	33.800	33.735	33.670	33.605	33.540	33.475	33.410	33.346	33.281	33.216	33.151
CHAINAGE	440.000	460.000	480.000	500.000	520.000	540.000	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000	720.000	740.000	760.000	780.000	800.000	820.000	840.000	860.000	880.000
Alignment Details	B=8°22'52" D=1145.53																						
Super Elevation	-3.0																						

VC CURVE LENGTH (m) ←

GRADE (%) ← -0.196% * -0.325% →

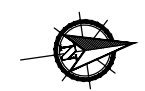
Datum R.L. 13.000

2A CH 690 CULVERT

CHAINAGE	EASTING	NORTHING
460.000	774532.797	7486237.225
480.000	774535.712	7486257.012
500.000	774538.627	7486276.798
520.000	774541.542	7486296.585
540.000	774544.457	7486316.371
560.000	774547.372	7486336.157
580.000	774550.288	7486355.944
600.000	774553.203	7486375.730
620.000	774556.118	7486395.517
640.000	774559.033	7486415.303
660.000	774561.948	7486435.089
680.000	774564.863	7486454.876
700.000	774567.778	7486474.662
720.000	774570.694	7486494.449
740.000	774573.609	7486514.235
760.000	774576.524	7486534.021
780.000	774579.439	7486553.808
800.000	774582.354	7486573.594
820.000	774585.269	7486593.381
840.000	774588.185	7486613.167
860.000	774591.100	7486632.953
880.000	774594.015	7486652.740

Scale Horizontal 1:2000 Vertical 1:500

DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



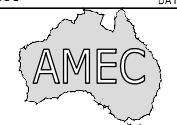
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CONSULTING ENGINEERS
ACN 054 355 252
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ISSUE DATE	SUBJECT	AUTHORISED
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2 1/06/18	SECOND ISSUE	GK
3 15/07/18	REVISED HWY INTERSECTION	GK
4 1/07/20	NEW DESIGN	GK

DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

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



AUSTRALIAN MINING ENGINEERING CONSULTANTS
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EMAIL: amec1@bigpond.net.au
MACKAY

RPEQ 4321 AUTHORIZED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 2 OF 6

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01

SCALE 0 1:2000 HORIZ. 40 AT A3 SIZE
0 1:500 VERT. 4

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

PRINT IN COLOUR



DEPTH	880.000	900.000	920.000	940.000	960.000	980.000	1000.000	1020.000	1040.000	1060.000	1080.000	1100.000	1120.000	1140.000	1160.000	1180.000	1200.000	1220.000	1240.000	1260.000	1280.000	1300.000	1320.000
Centre FSL	33.286	33.221	33.156	33.091	33.026	32.961	32.896	32.831	32.766	32.701	32.636	32.571	32.506	32.442	32.377	32.312	32.247	32.182	32.117	32.052	31.987	31.922	31.857
Centre NSL	32.225	32.208	32.157	32.133	32.072	32.056	32.069	31.858	31.833	31.790	31.811	31.791	31.709	31.670	31.519	31.466	31.363	31.254	31.194	31.160	31.061	31.033	30.890
LHS SHLD FSL	33.151	33.086	33.021	32.956	32.891	32.826	32.761	32.696	32.631	32.566	32.501	32.436	32.371	32.307	32.242	32.177	32.112	32.047	31.982	31.917	31.852	31.787	31.722
RHS SHLD FSL	33.151	33.086	33.021	32.956	32.891	32.826	32.761	32.696	32.631	32.566	32.501	32.436	32.371	32.307	32.242	32.177	32.112	32.047	31.982	31.917	31.852	31.787	31.722
CHAINAGE	880.000	900.000	920.000	940.000	960.000	980.000	1000.000	1020.000	1040.000	1060.000	1080.000	1100.000	1120.000	1140.000	1160.000	1180.000	1200.000	1220.000	1240.000	1260.000	1280.000	1300.000	1320.000
Alignment Details	B=8°22'52" D=1145.53																						
Super Elevation	-3.0											-3.0											

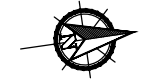
VC CURVE LENGTH (m)
GRADE (%)

Datum R.L. 12.000

Scale Horizontal 1:2000 Vertical 1:500

CHAINAGE	EASTING	NORTHING
880.000	774594.015	7486652.740
900.000	774596.930	7486672.526
920.000	774599.845	7486692.313
940.000	774602.760	7486712.099
960.000	774605.675	7486731.886
980.000	774608.591	7486751.672
1000.000	774611.506	7486771.458
1020.000	774614.421	7486791.245
1040.000	774617.336	7486811.031
1060.000	774620.251	7486830.818
1080.000	774623.166	7486850.604
1100.000	774626.082	7486870.390
1120.000	774628.997	7486890.177
1140.000	774631.912	7486909.963
1160.000	774634.827	7486929.750
1180.000	774637.742	7486949.536
1200.000	774640.657	7486969.322
1220.000	774643.572	7486989.109
1240.000	774646.488	7487008.895
1260.000	774649.403	7487028.682
1280.000	774652.318	7487048.468
1300.000	774655.233	7487068.254
1320.000	774658.148	7487088.041

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



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CONSULTING ENGINEERS
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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

DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

DRAWN ASC DATE 05/18

DESIGN ASC DATE 05/18



AUSTRALIAN MINING ENGINEERING CONSULTANTS
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MACKAY

RPEQ 4321
AUTHORISED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 3 OF 6

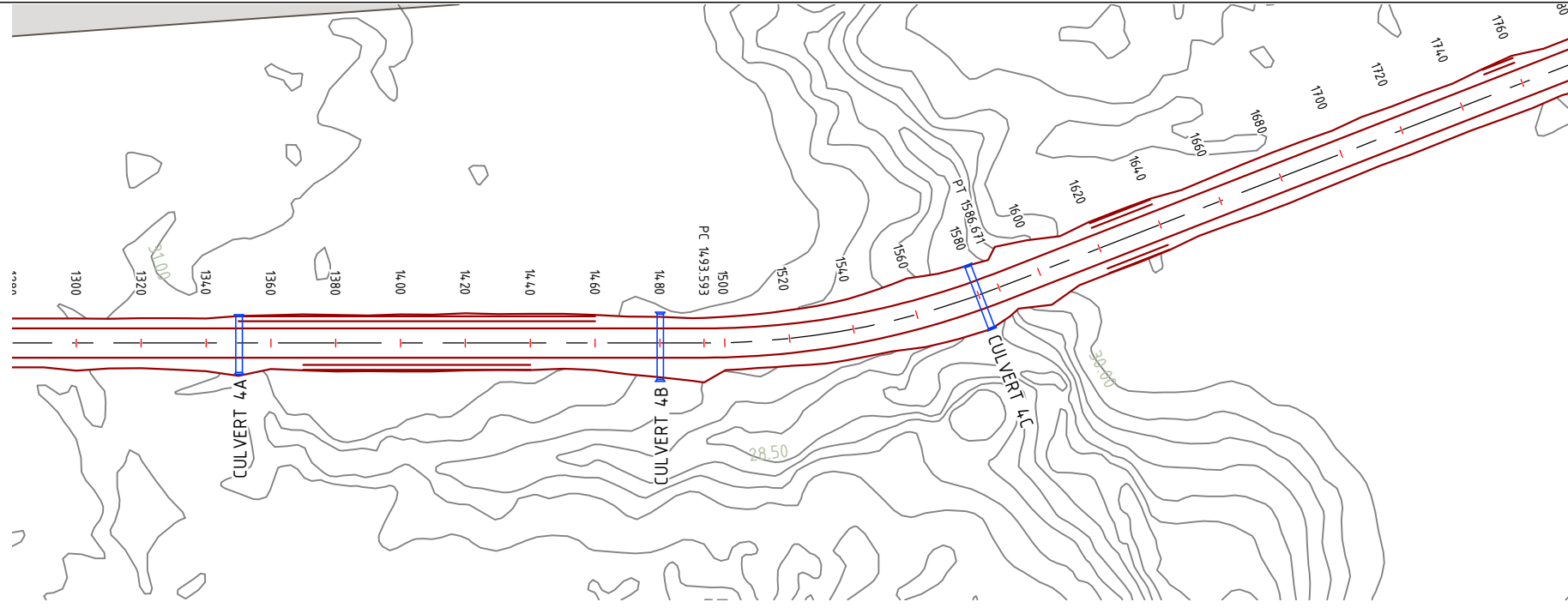
FILE NO G2001-01-AR3.DWG

JOB NO G2001/01

SCALE 0 1:2000 HORZ. 40 AT A3 SIZE
0 1:500 VERT. 4

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

PRINT IN COLOUR

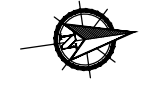


VC CURVE LENGTH (m)	GRADE (%)	DEPTH	CENTRE FSL	CENTRE NSL	LHS SHLD FSL	RHS SHLD FSL	CHAINAGE	Alignment Details	Super Elevation
		+0.967	31.857	30.890	31.722	31.722	1320.000	B=8°22'52" D=1145.53	19
		+1.131	31.792	30.661	31.657	31.657	1340.000		
		+0.903	31.727	30.824	31.592	31.592	1360.000	R=250.00 L=93.08	3.0
		+0.814	31.662	30.848	31.527	31.527	1380.000		
		+0.703	31.597	30.894	31.462	31.462	1400.000	R=250.00 L=93.08	2.2
		+0.739	31.532	30.794	31.397	31.397	1420.000		
	-0.323%	+0.743	31.467	30.724	31.332	31.332	1440.000	R=250.00 L=93.08	3.0
		+0.729	31.425	30.696	31.290	31.290	1453.000		
		+0.830	31.403	30.572	31.268	31.305	1460.000	R=250.00 L=93.08	2.2
		+1.416	31.338	29.922	31.203	31.348	1480.000		
		+1.331	31.293	29.962	31.158	31.378	1493.593	R=250.00 L=93.08	3.0
		+1.446	31.273	29.826	31.138	31.391	1500.000		
		+1.554	31.208	29.654	31.073	31.343	1520.000	R=250.00 L=93.08	2.2
		+1.469	31.143	29.674	31.008	31.278	1540.000		
		+1.675	31.078	29.403	30.943	31.213	1560.000	R=250.00 L=93.08	3.0
		+3.134	31.013	27.879	30.878	31.148	1580.000		
		+2.610	31.045	28.435	30.910	31.144	1586.671	R=250.00 L=93.08	2.2
		+1.213	31.111	29.898	30.976	31.138	1600.000		
	0.489%	+0.777	31.208	30.431	31.073	31.127	1620.000	R=250.00 L=93.08	3.0
		+0.831	31.306	30.475	31.171	31.171	1640.000		
		+0.937	31.404	30.467	31.269	31.269	1660.000	R=250.00 L=93.08	2.2
		+0.996	31.415	30.418	31.280	31.280	1680.000		
		+0.912	31.338	30.426	31.203	31.203	1700.000	R=250.00 L=93.08	3.0
		+0.990	31.262	30.273	31.127	31.127	1720.000		
		+1.019	31.186	30.167	31.051	31.051	1740.000	R=250.00 L=93.08	2.2
		+0.876	31.110	30.234	30.975	30.975	1760.000		
	-0.381%								

CHAINAGE	EASTING	NORTHING
1320.000	774658.148	7487088.041
1340.000	774661.063	7487107.827
1360.000	774663.979	7487127.614
1380.000	774666.894	7487147.400
1400.000	774669.809	7487167.186
1420.000	774672.724	7487186.973
1440.000	774675.639	7487206.759
1453.000	774677.534	7487219.620
1460.000	774678.554	7487226.546
1480.000	774681.469	7487246.332
1493.593	774683.451	7487259.780
1500.000	774684.303	7487266.130
1520.000	774685.914	7487286.059
1540.000	774685.927	7487306.054
1560.000	774684.342	7487325.986
1580.000	774681.170	7487345.727
1586.671	774679.761	7487352.248
1600.000	774676.774	7487365.238
1620.000	774672.292	7487384.729
1640.000	774667.810	7487404.220
1660.000	774663.327	7487423.711
1680.000	774658.845	7487443.203
1700.000	774654.363	7487462.694
1720.000	774649.881	7487482.185
1740.000	774645.398	7487501.676
1760.000	774640.916	7487521.168

Scale Horizontal 1:2000 Vertical 1:500

DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
ACN 054 355 252
email: adslu3d8@tpg.com.au

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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

DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

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



AUSTRALIAN MINING ENGINEERING CONSULTANTS
CONSULTANTS
PH: 4954 9429
MOB: 0417187149
EMAIL: amec1@bigpond.net.au
MACKAY

RPEQ 4321
AUTHORISED FOR ISSUE DATE 1/07/2020

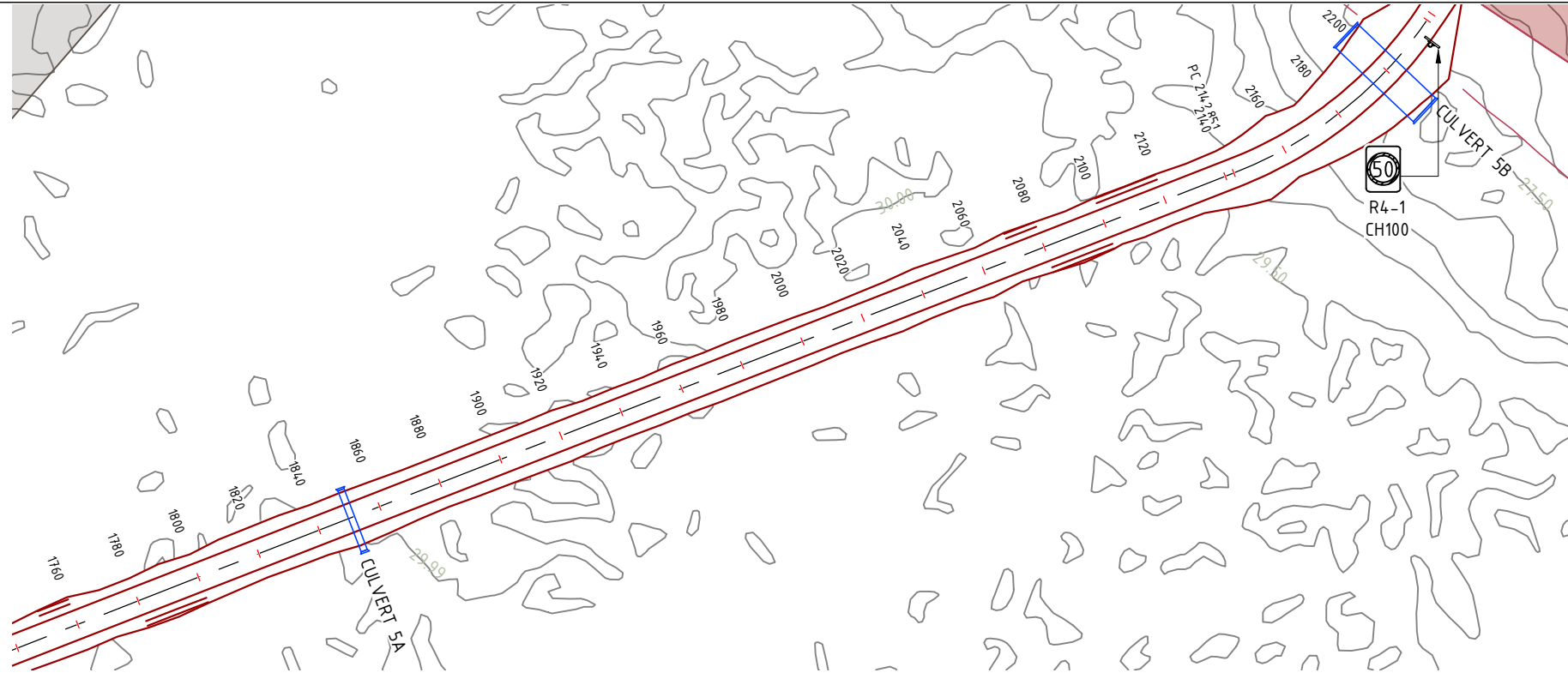
CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 4 OF 6

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01

SCALE 1:2000 HORIZ. 40 AT A3 SIZE
1:500 VERT. 4

DRAWING NUMBER G1706-02-AR-7 ISSUE SHEET NO. 4 8

PRINT IN COLOUR



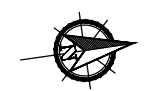
VC CURVE LENGTH (m)	← 0.381% ×		0.622%		× 0.215%		-0.248%		50.000		5.224%		→ 66.000
GRADE (%)													
Datum R.L. 10.000													

DEPTH	+0.876	+0.931	+1.148	+1.023	+1.059	+1.059	+1.019	+1.112	+0.995	+1.023	+0.909	+0.998	+1.048	+0.937	+1.049	+1.004	+0.767	+0.750	+0.814	+0.966	+1.308	+1.306	+1.777	+3.770	+5.172			
CENTRE FSL	31.110	31.034	31.058	31.182	31.223	31.180	31.137	31.094	31.051	31.008	30.958	30.909	30.859	30.809	30.760	30.710	30.660	30.610	30.603	30.561	30.548	30.634	30.678	31.132	31.792	32.054	32.419	33.003
CENTRE NSL	30.234	30.103	29.910	30.160	30.164	30.121	30.118	29.982	30.056	29.985	30.049	29.910	29.811	29.872	29.711	29.705	29.893	29.860	29.790	29.595	29.548	29.327	29.373	29.355	28.284	28.284	27.830	27.830
LHS SHLD FSL	30.975	30.899	30.923	31.047	31.088	31.045	31.002	30.959	30.916	30.873	30.823	30.774	30.724	30.674	30.625	30.575	30.525	30.475	30.468	30.426	30.400	30.499	30.543	30.997	31.919	32.189	32.419	32.868
RHS SHLD FSL	30.975	30.899	30.923	31.047	31.088	31.045	31.002	30.959	30.916	30.873	30.823	30.774	30.724	30.674	30.625	30.575	30.525	30.475	30.468	30.518	30.500	30.700	30.759	31.267	31.889	32.189	32.419	33.138
CHAINAGE	1760.000	1780.000	1800.000	1820.000	1840.000	1860.000	1880.000	1900.000	1920.000	1940.000	1960.000	1980.000	2000.000	2020.000	2040.000	2060.000	2080.000	2100.000	2102.851	2120.000	2125.000	2140.000	2142.851	2160.000	2175.000	2180.000	2187.000	2200.000
Alignment Details	<p>B=34.7°02'57" D=556.18</p> <p>R=130.00 L=79.52</p>																											
Super Elevation	<p>-3.0</p> <p>1.8</p> <p>3.0</p>																											

Scale Horizontal 1:2000 Vertical 1:500

CHAINAGE	EASTING	NORTHING
1760.000	774640.916	7487521.168
1780.000	774636.434	7487540.659
1800.000	774631.952	7487560.150
1820.000	774627.469	7487579.642
1840.000	774622.987	7487599.133
1860.000	774618.505	7487618.624
1880.000	774614.023	7487638.115
1900.000	774609.540	7487657.607
1920.000	774605.058	7487677.098
1940.000	774600.576	7487696.589
1960.000	774596.094	7487716.080
1980.000	774591.611	7487735.572
2000.000	774587.129	7487755.063
2020.000	774582.647	7487774.554
2040.000	774578.164	7487794.045
2060.000	774573.682	7487813.537
2080.000	774569.200	7487833.028
2100.000	774564.718	7487852.519
2102.851	774564.079	7487855.298
2120.000	774560.235	7487872.010
2140.000	774555.753	7487891.502
2142.851	774555.114	7487894.280
2160.000	774550.181	7487910.691
2180.000	774541.764	7487928.812
2200.000	774530.669	7487945.429

DO NOT SCALE OFF DRAWING DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



COX ANDREWS ENGINEERS PTL
CONSULTING ENGINEERS
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email: adslu3d8@tpg.com.au

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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

DRAWING NO.	TITLE
G2001-01-BASE	BASE PLAN

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



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PH: 4954 9429
MOB: 0417187149
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RPEQ 4321
AUTHORISED FOR ISSUE DATE 1/07/2020

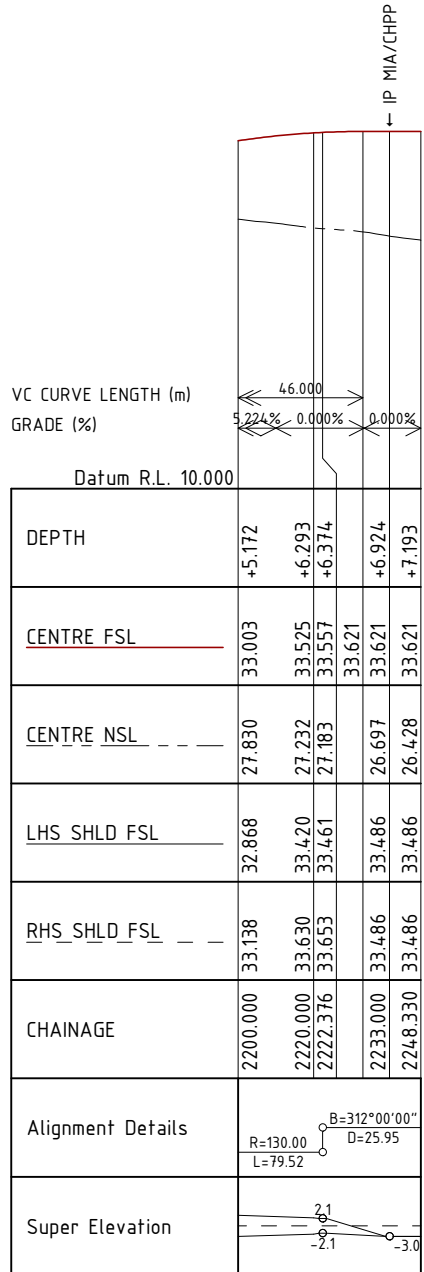
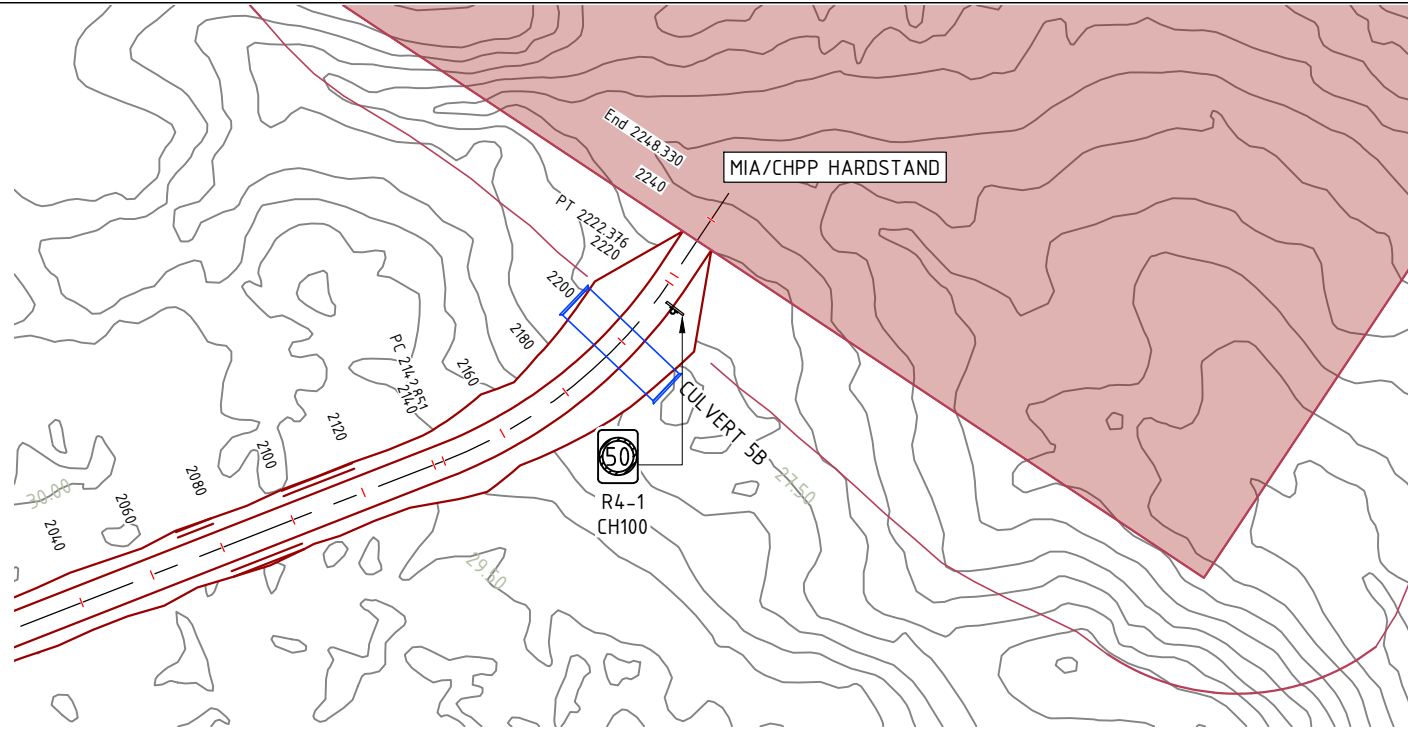
CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 5 OF 6

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01

SCALE 0 1:2000 HORZ. 40 AT A3 SIZE
1:500 VERT. 4

DRAWING NUMBER G1706-02-AR-8 ISSUE SHEET NO. 4 9

PRINT IN COLOUR



CENTRE LINE SETOUTS		
CHAINAGE	EASTING	NORTHING
2200.000	774530.669	7487945.429
2220.000	774517.159	7487960.149
2222.376	774515.408	7487961.755
2240.000	774502.310	7487973.548
2248.330	774496.120	7487979.121

Scale Horizontal 1:2000 Vertical 1:500

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



SURVEY DATUM MGA55
CONTOURS 0.5m NATURAL SURFACE



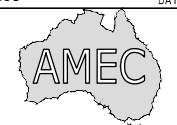
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AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
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2	1/06/18	SECOND ISSUE	GK
3	15/07/18	REVISED HWY INTERSECTION	GK
4	1/07/20	NEW DESIGN	GK

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

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



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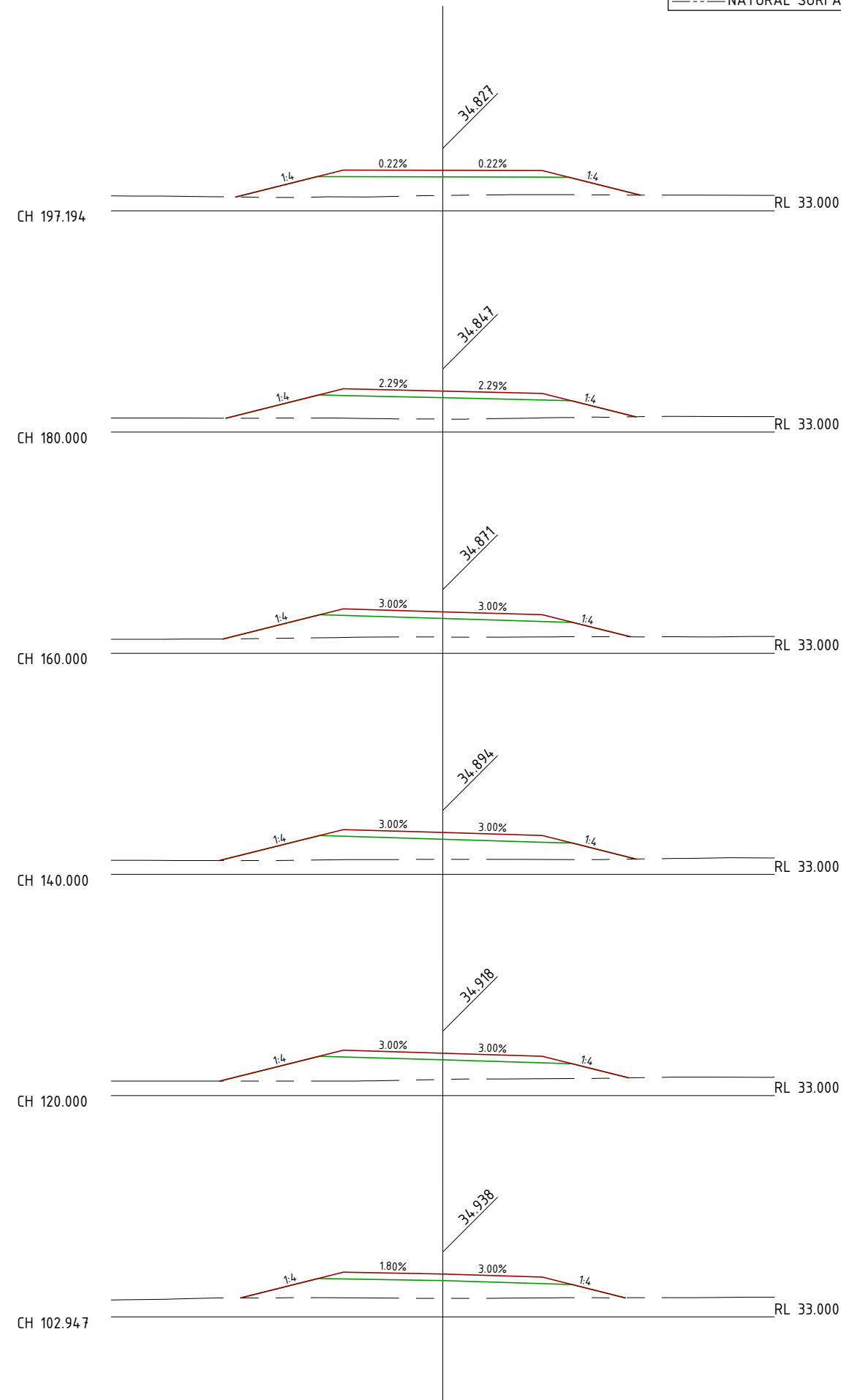
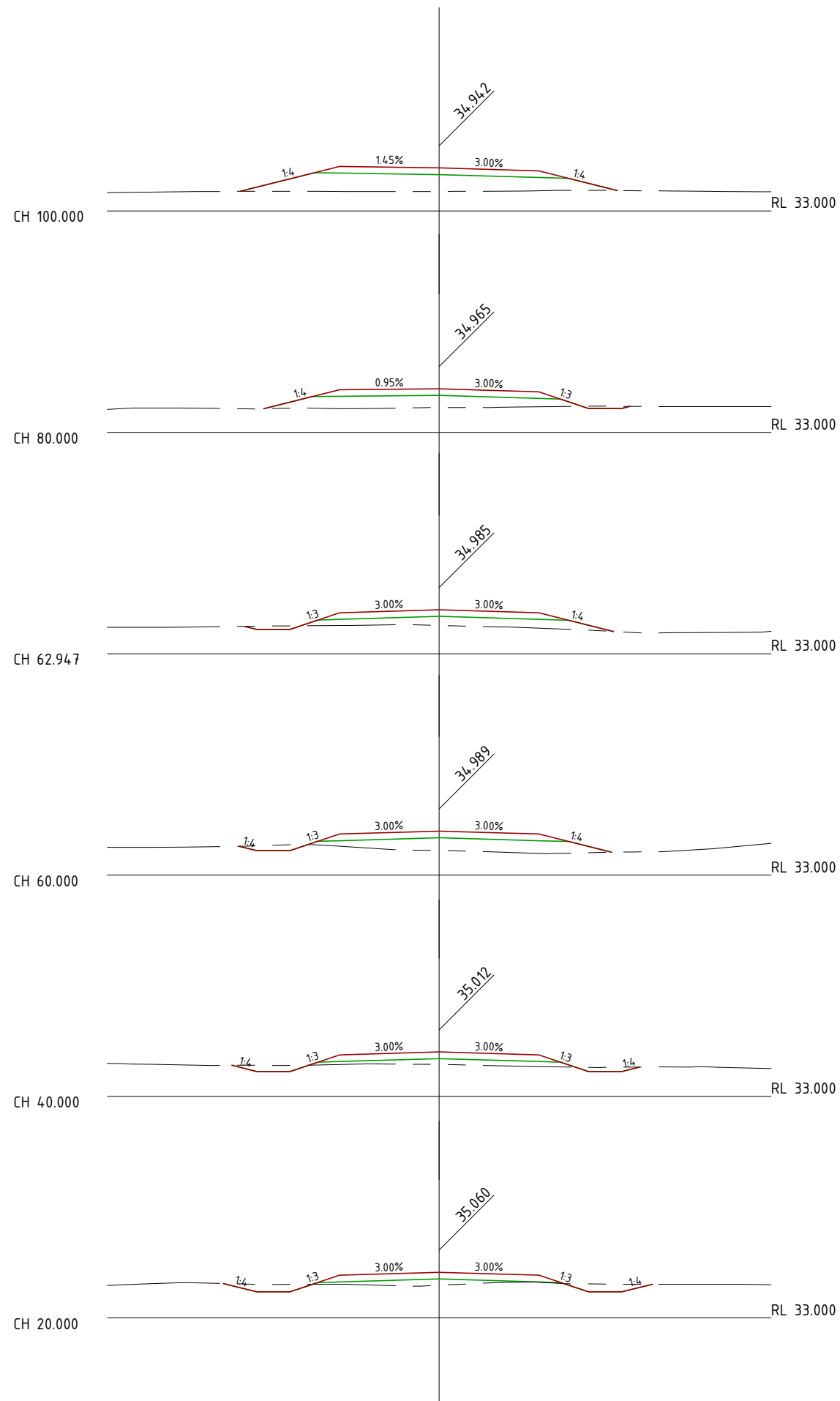
CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
PLAN & LONGITUDINAL SECTIONS
SHEET 6 OF 6

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01

SCALE 0 1:2000 HORZ. 40 AT A3 SIZE
0 1:500 VERT. 4

DRAWING NUMBER G1706-02-AR-9 ISSUE SHEET NO. 4 10

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
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

DRAWN ASC DATE 05/18
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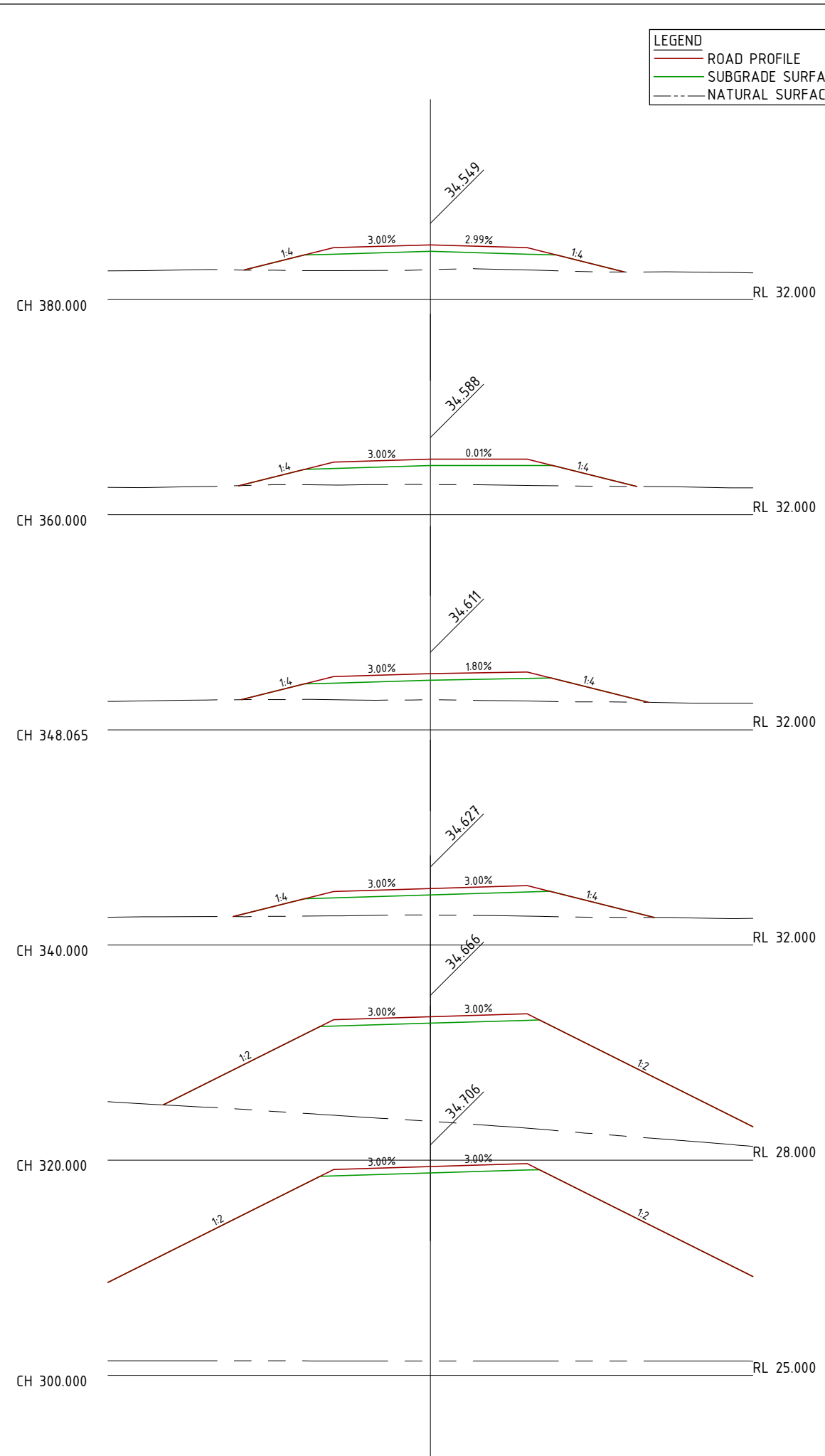
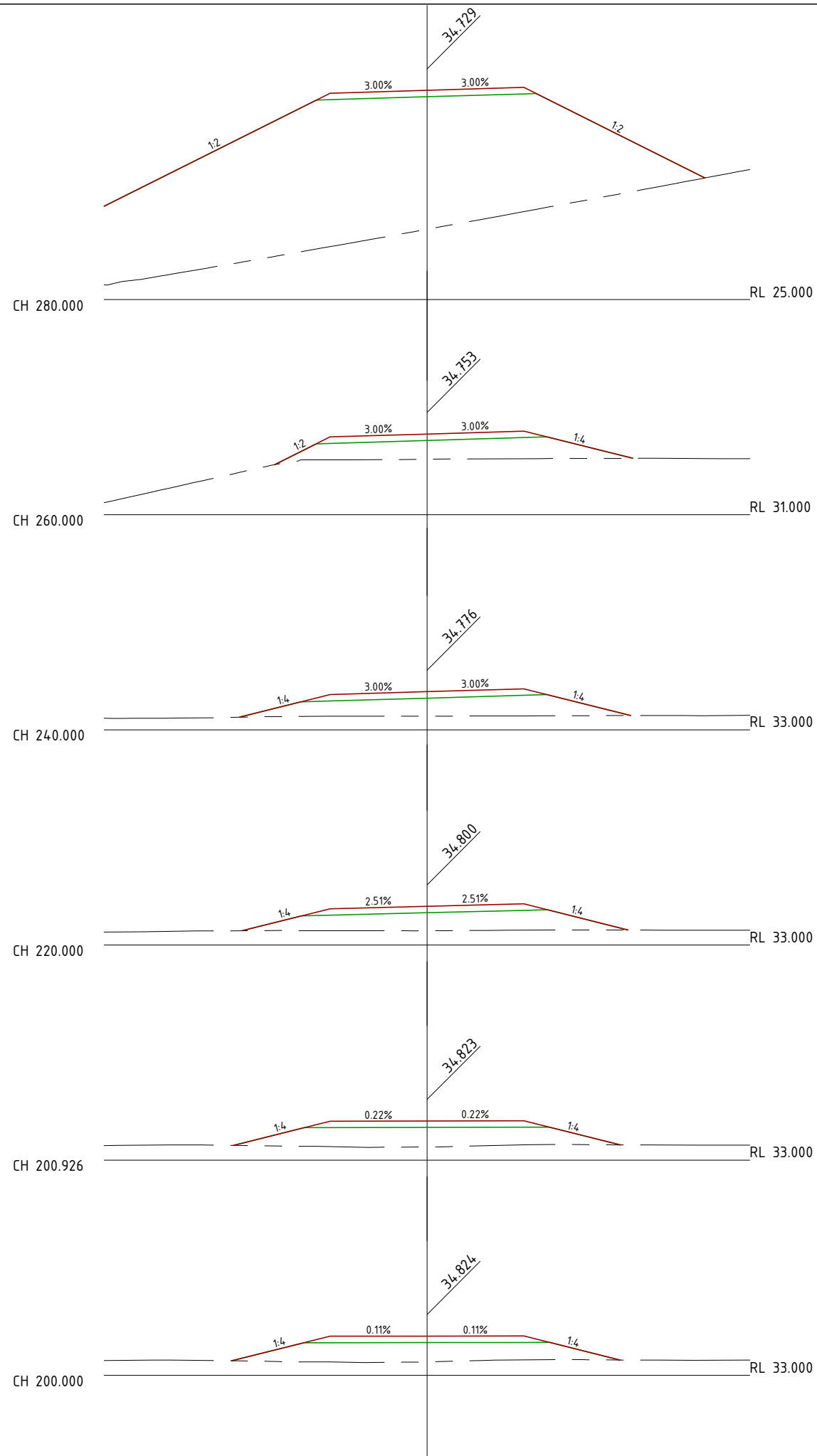
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CENTRAL QUEENSLAND COAL PTL
 CENTRAL QUEENSLAND COAL PROJECT
 CIVIL WORKS
 MINE ACCESS ROAD
 CROSS SECTIONS SHEET 1 OF 10

FILE NO G2001-01-AR3.DWG
 JOB NO G2001/01

SCALE 0 1:250 HORZ. 5 AT A3 SIZE
 0 1:250 VERT 5

DRAWING NUMBER G1706-02-AR-10 ISSUE SHEET NO. 4 11



LEGEND

- ROAD PROFILE
- SUBGRADE SURFACE
- NATURAL SURFACE

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



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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

XREF FILES

DRAWING NO.	TITLE

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



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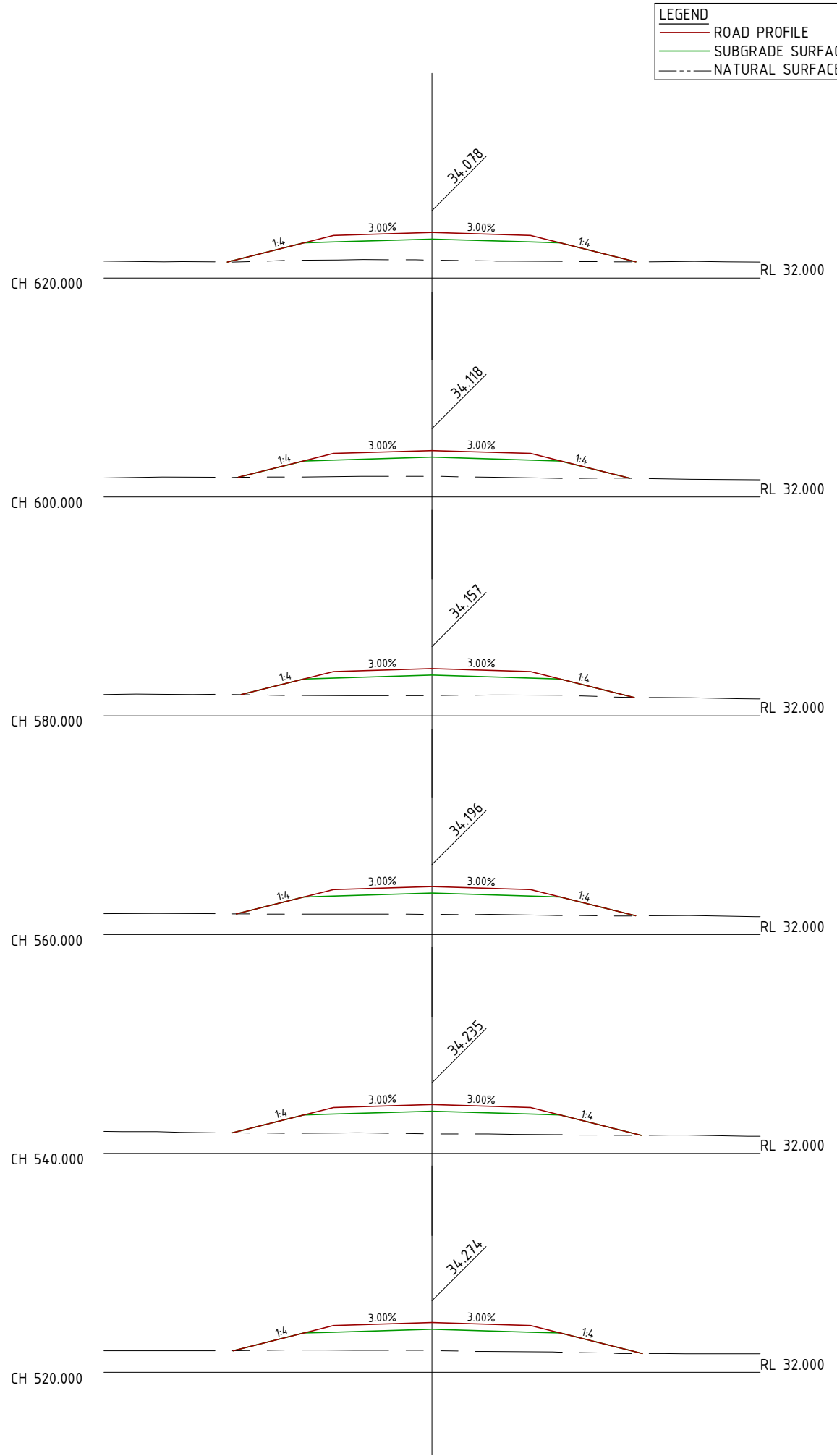
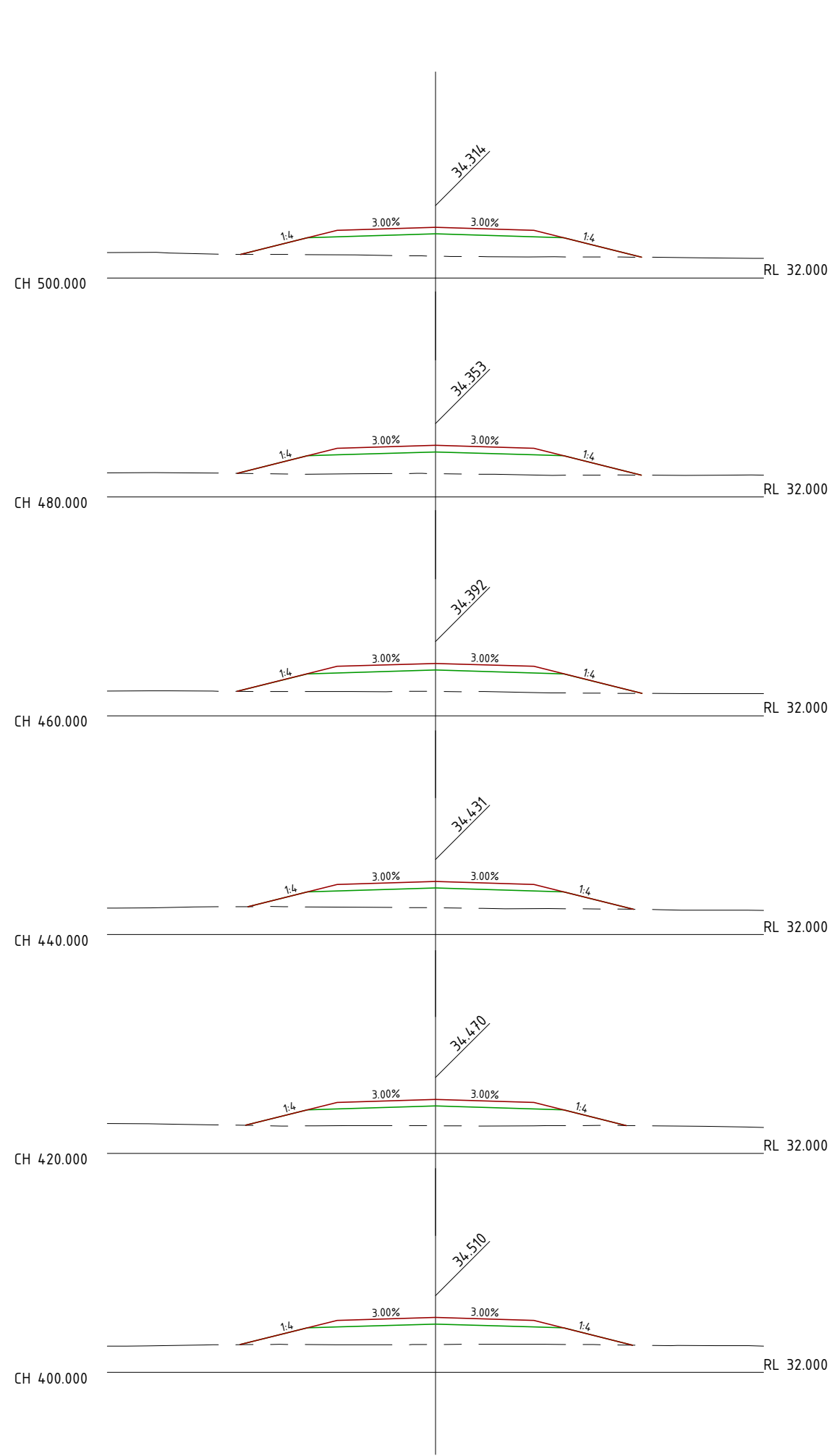
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CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
CROSS SECTIONS SHEET 2 OF 10

FILE NO: G2001-01-AR3.DWG
JOB NO: G2001/01

SCALE: 1:250 HORZ. 5 AT A3 SIZE
1:250 VERT. 5

DRAWING NUMBER: G1706-02-AR-11 ISSUE: 4 SHEET NO: 12



LEGEND	
	ROAD PROFILE
	SUBGRADE SURFACE
	NATURAL SURFACE

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



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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

DRAWN ASC DATE 05/18
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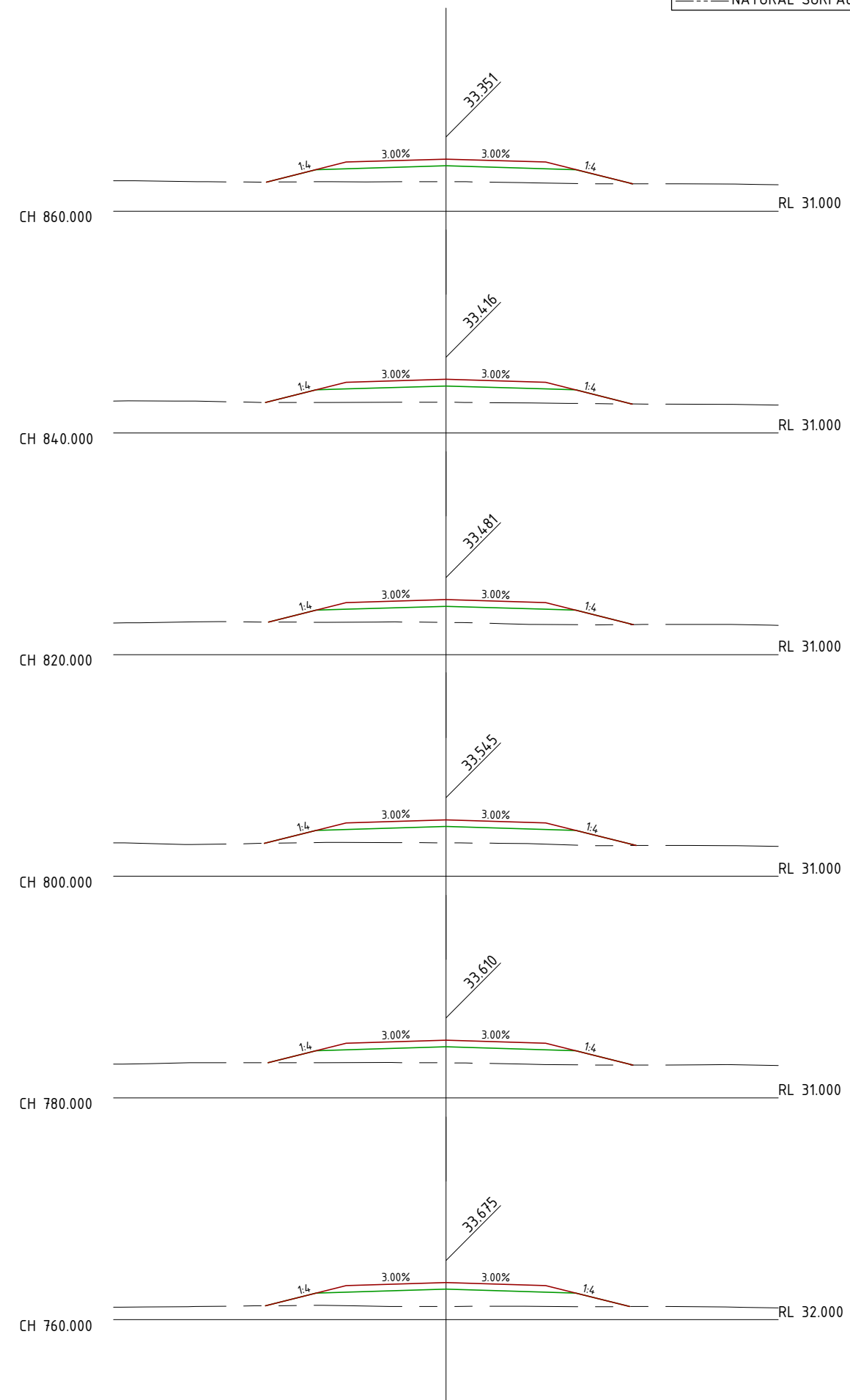
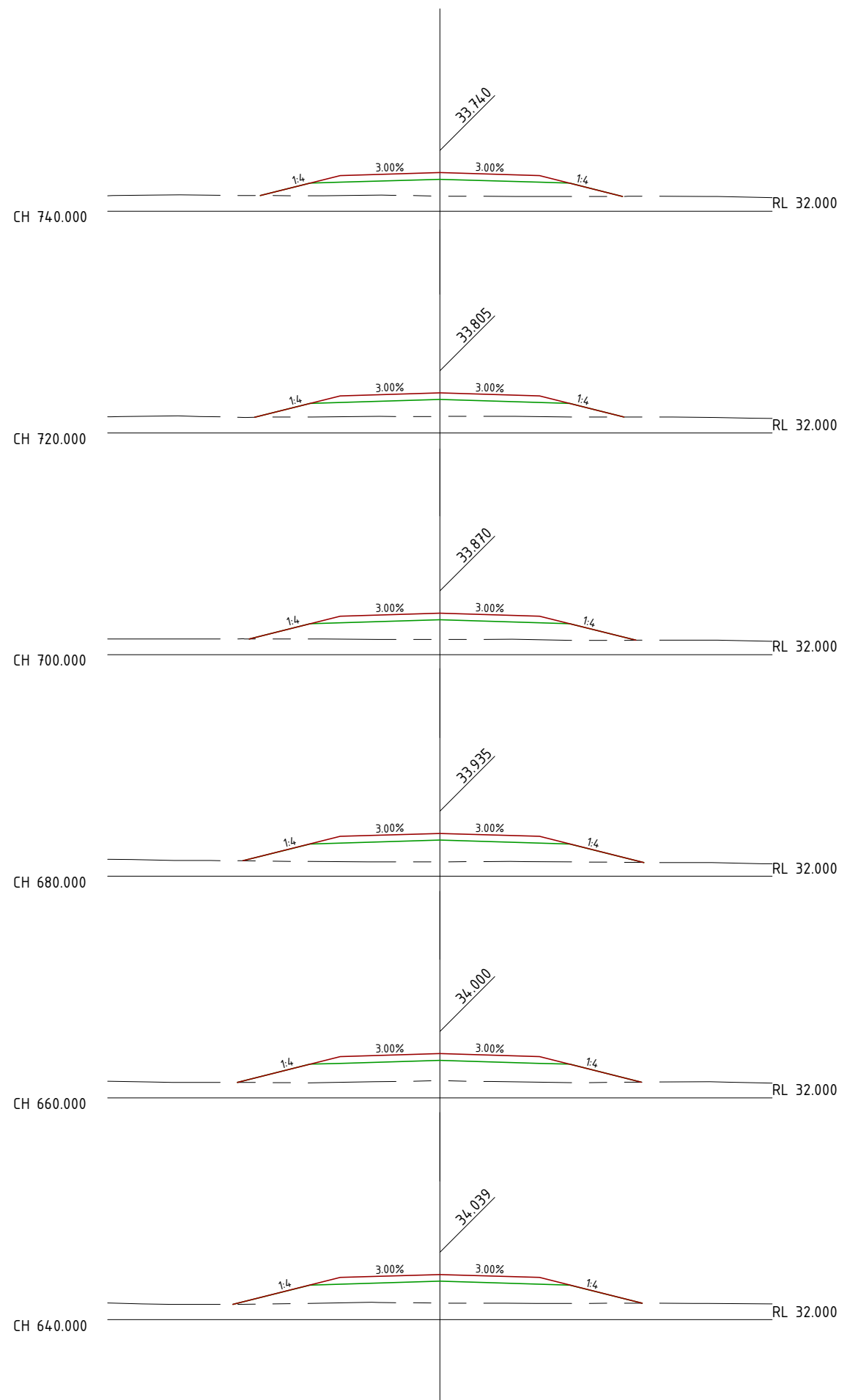
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CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
CROSS SECTIONS SHEET 3 OF 10

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01

SCALE 0 1:250 HORZ. 5 AT A3 SIZE
0 1:250 VERT 5

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



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

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



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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

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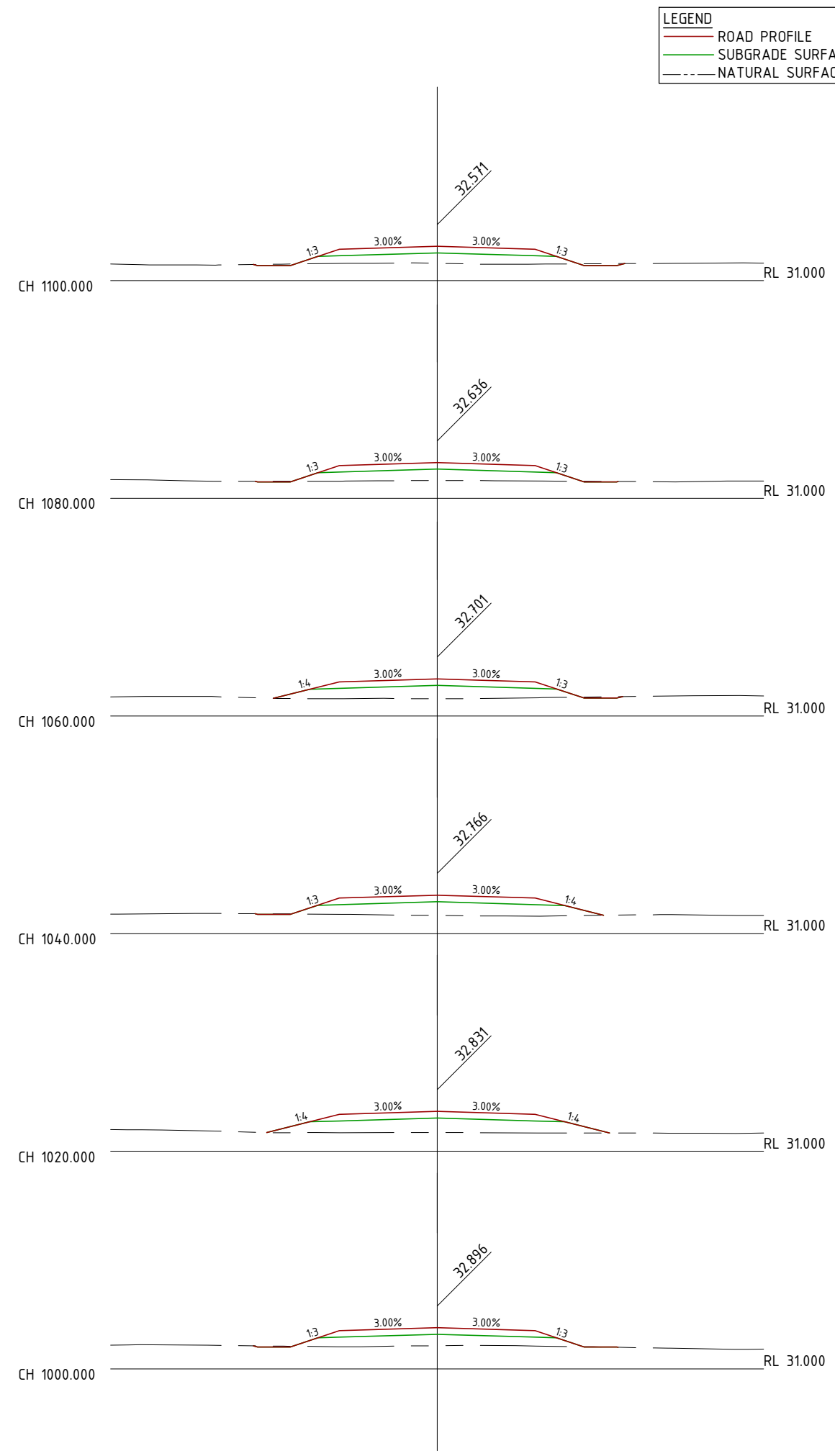
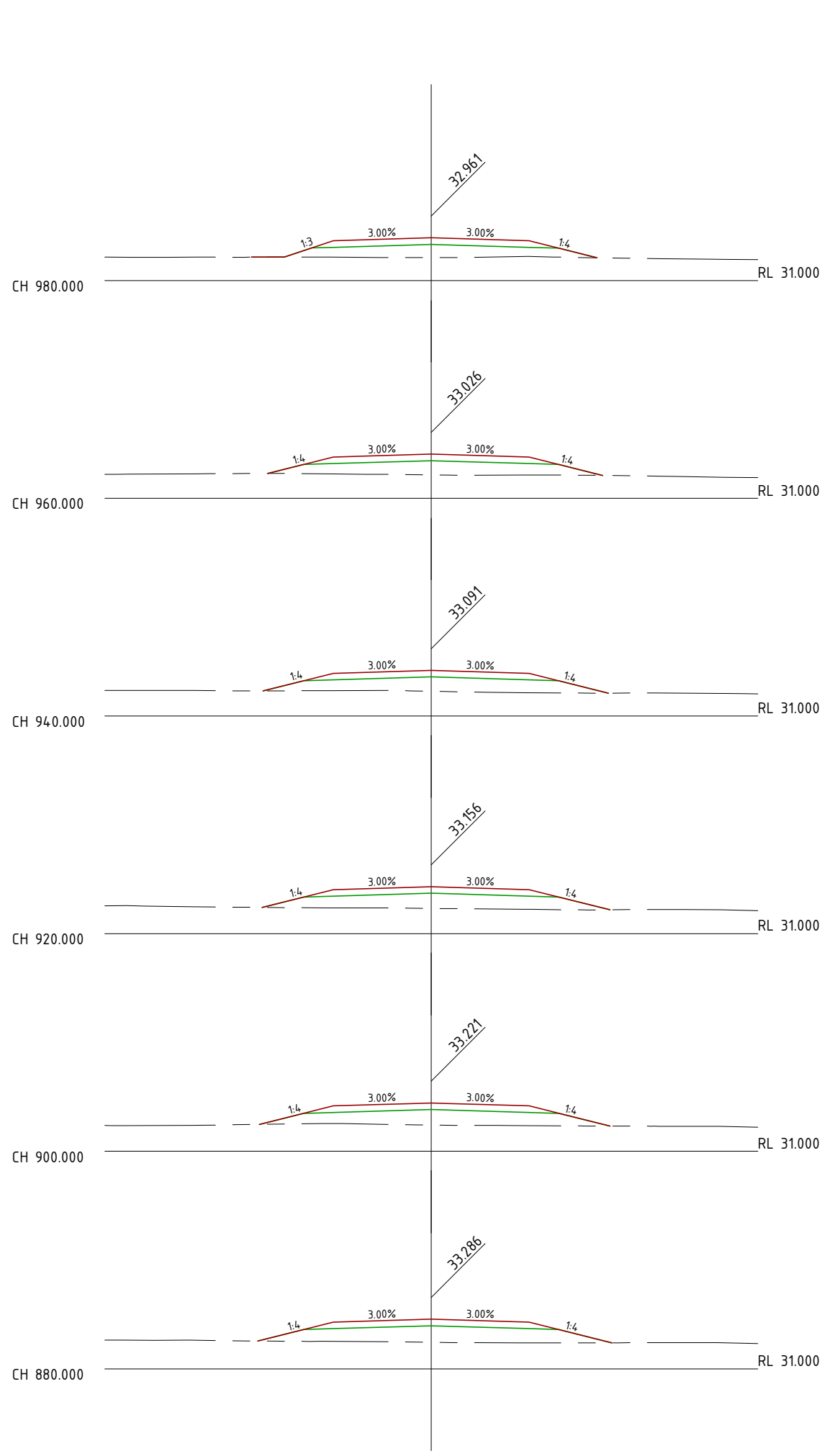
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CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
CROSS SECTIONS SHEET 4 OF 10

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01

SCALE 1:250 HORZ. 5 AT A3 SIZE
1:250 VERT. 5

DRAWING NUMBER G1706-02-AR-13 ISSUE SHEET NO. 4 14



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

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



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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

DRAWN	ASC	DATE	05/18
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CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
CROSS SECTIONS SHEET 5 OF 10

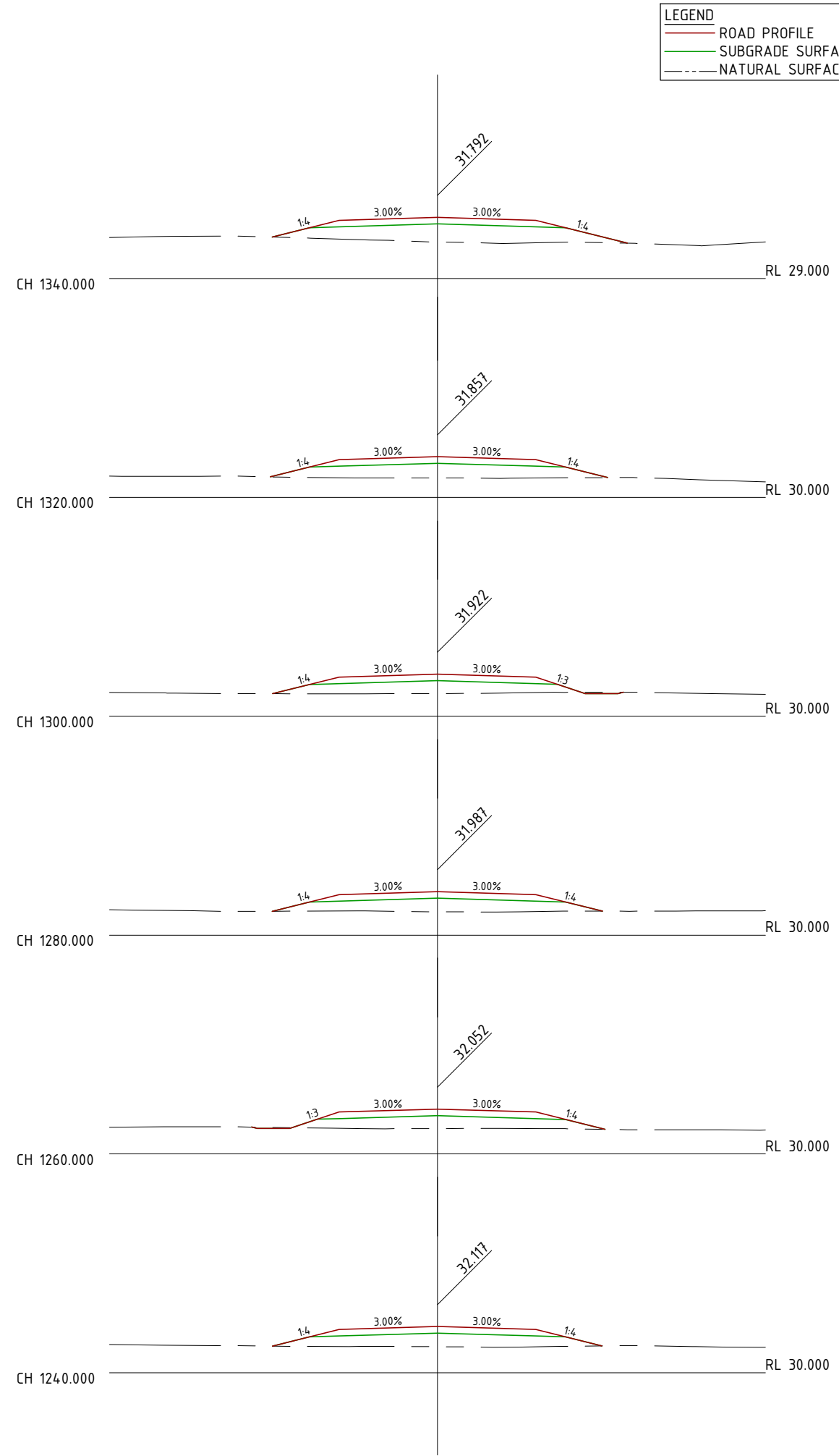
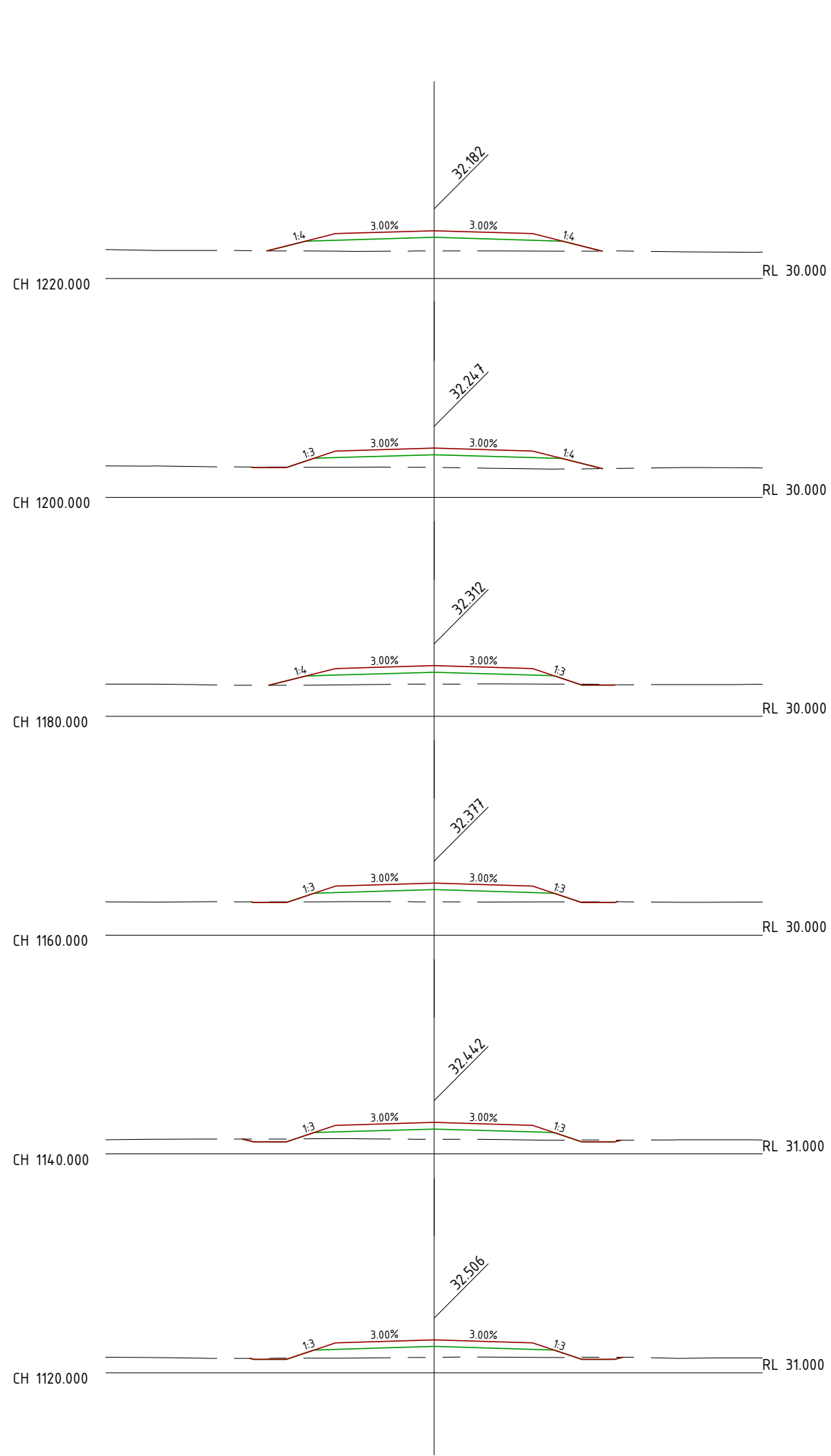
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JOB NO	G2001/01

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DRAWING NUMBER	G1706-02-AR-14	ISSUE	4	SHEET NO.	15
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Scale Horizontal 1:250 Vertical 1:250

PRINT IN COLOUR



LEGEND

- ROAD PROFILE
- SUBGRADE SURFACE
- NATURAL SURFACE

DO NOT SCALE OFF DRAWING
DIMENSIONS METERS UNO



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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

DRAWING NO.	TITLE

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

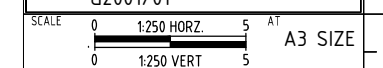


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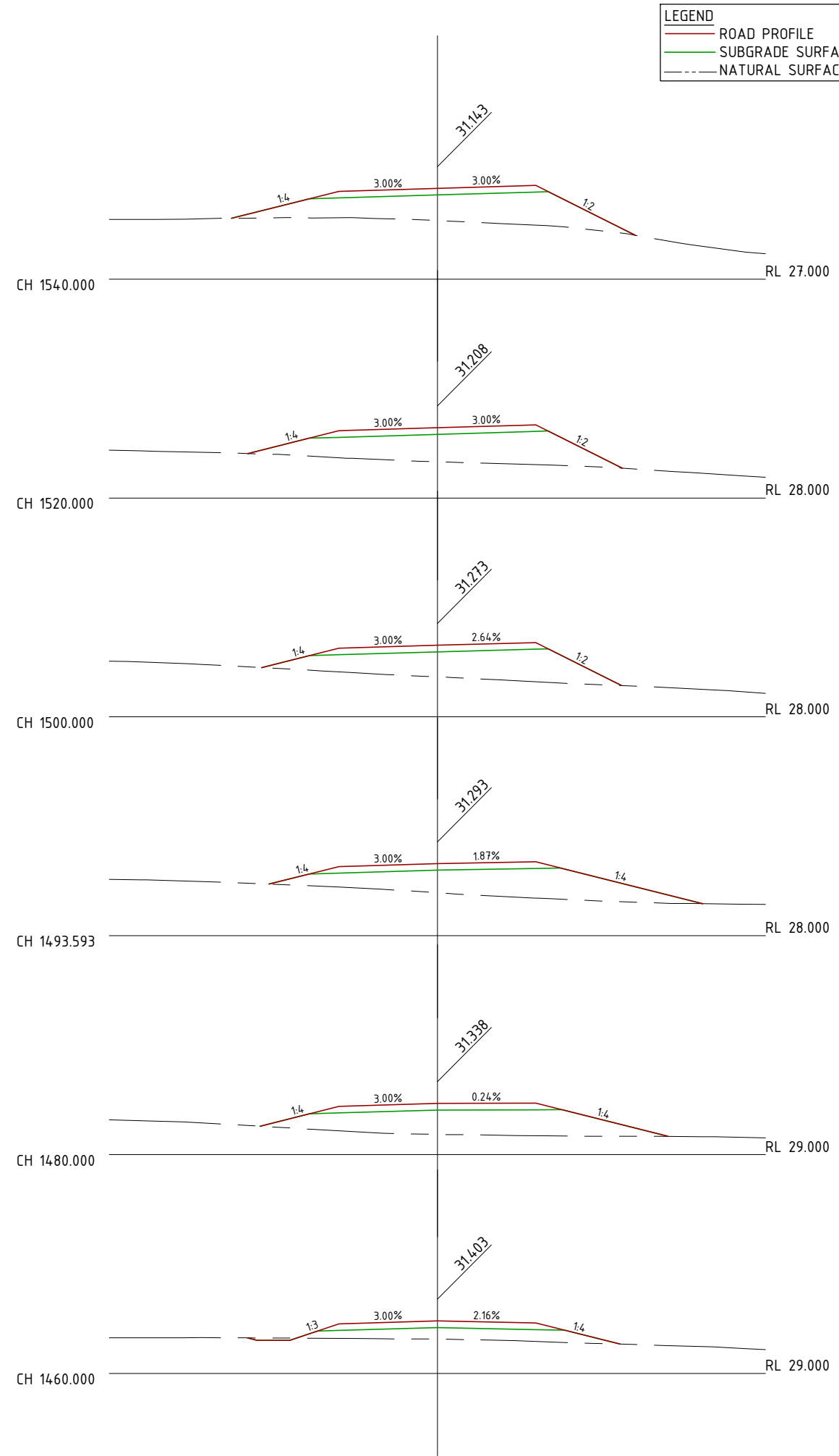
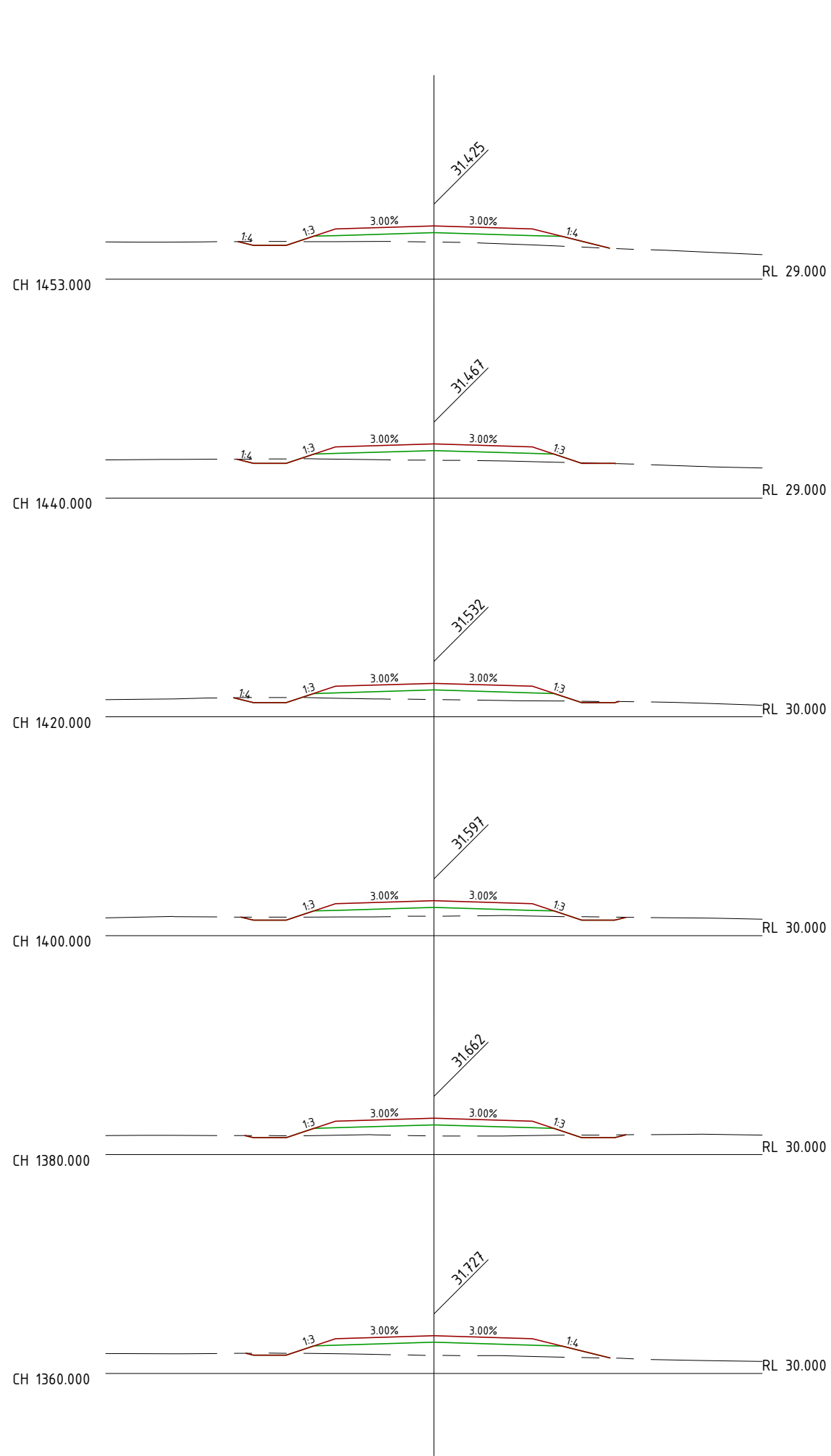
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CIVIL WORKS
MINE ACCESS ROAD
CROSS SECTIONS SHEET 6 OF 10

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01



DRAWING NUMBER G1706-02-AR-15 ISSUE SHEET NO. 4 16



LEGEND	
	ROAD PROFILE
	SUBGRADE SURFACE
	NATURAL SURFACE

DO NOT SCALE OFF DRAWING
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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

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



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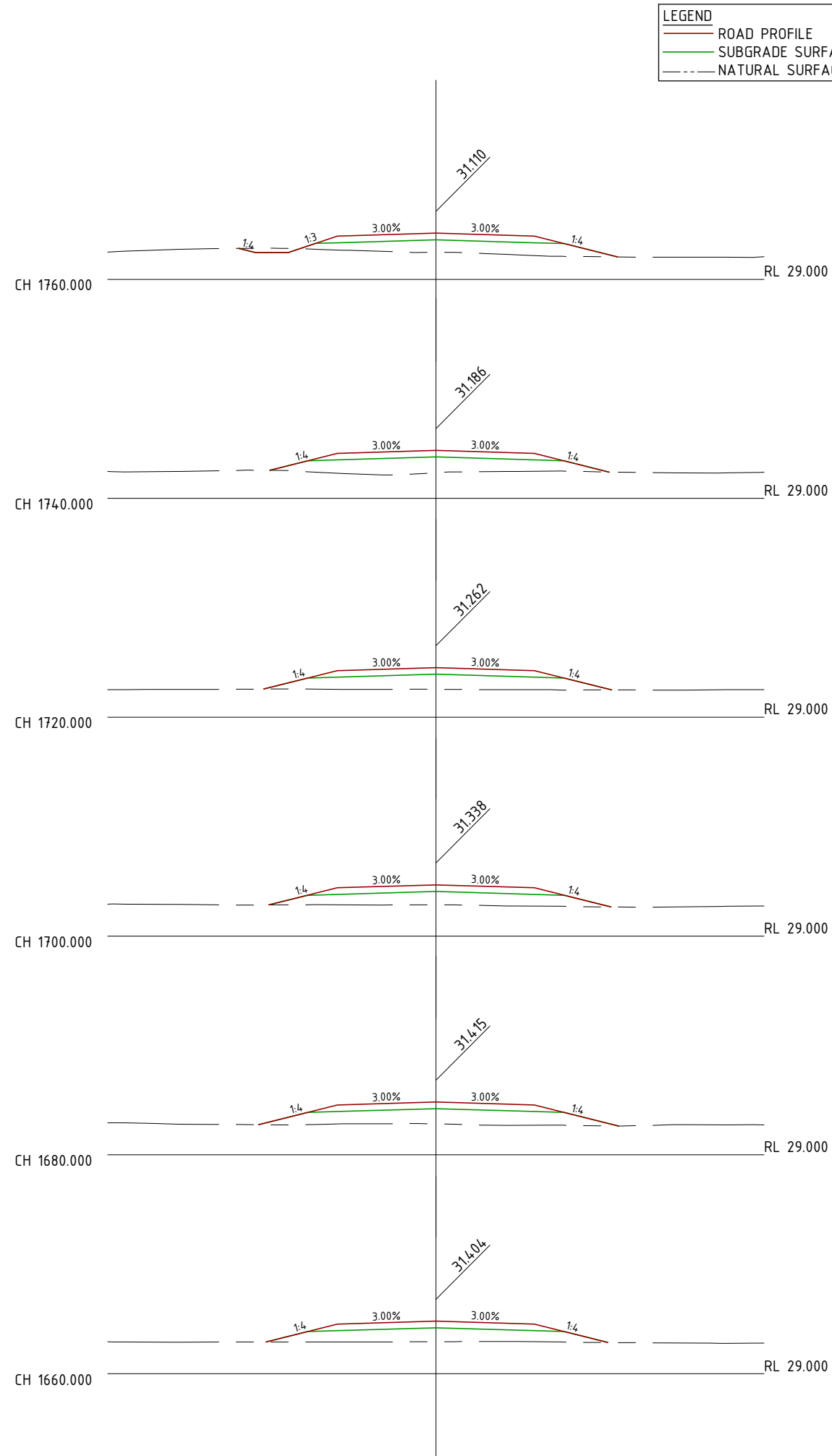
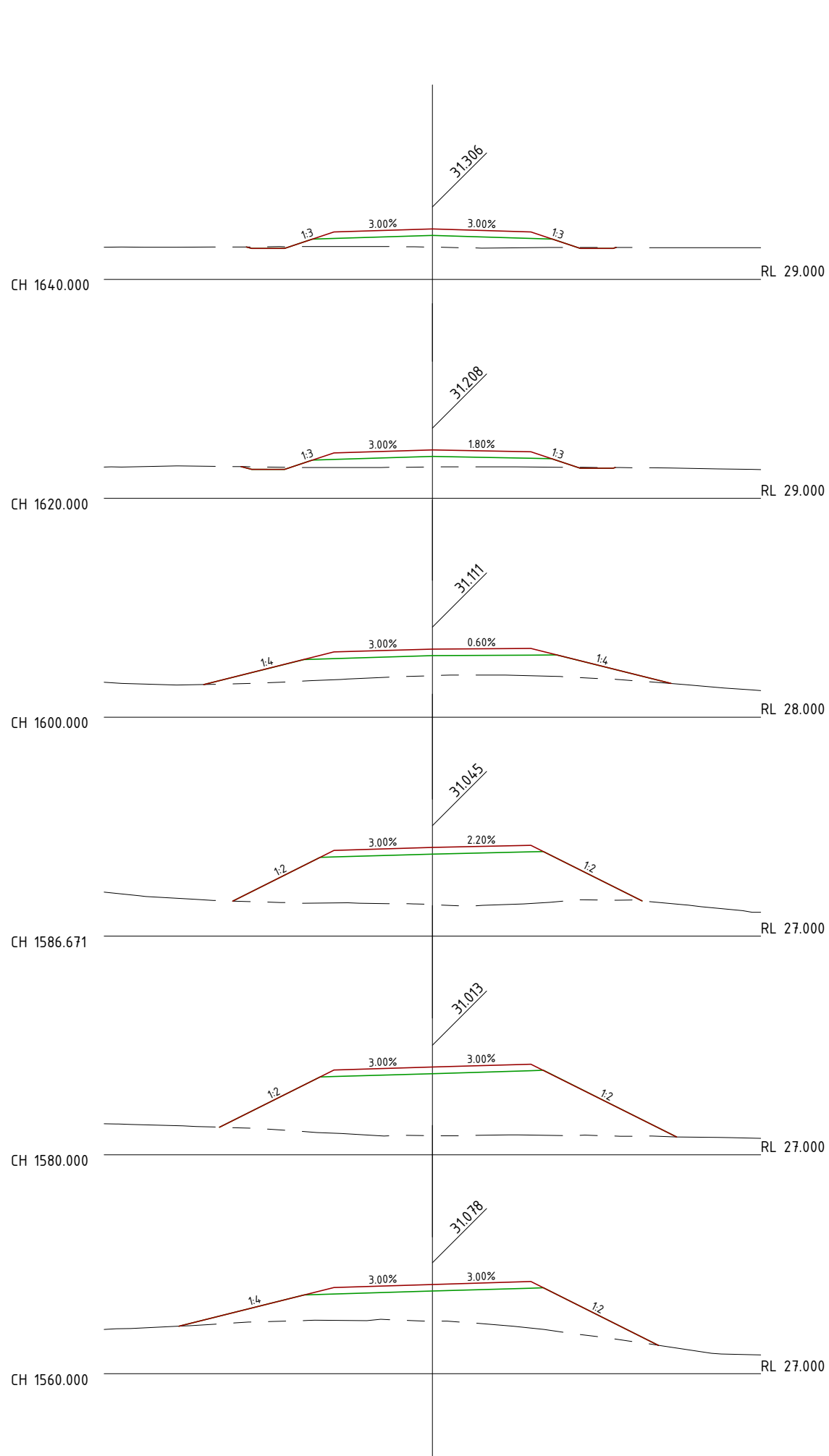
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CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
CROSS SECTIONS SHEET 7 OF 10

FILE NO	G2001-01-AR3.DWG
JOB NO	G2001/01

SCALE	0 1:250 HORZ. 5 AT A3 SIZE
	0 1:250 VERT 5

DRAWING NUMBER	G1706-02-AR-16	ISSUE	4	SHEET NO.	17
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LEGEND	
—	ROAD PROFILE
—	SUBGRADE SURFACE
- - - -	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

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



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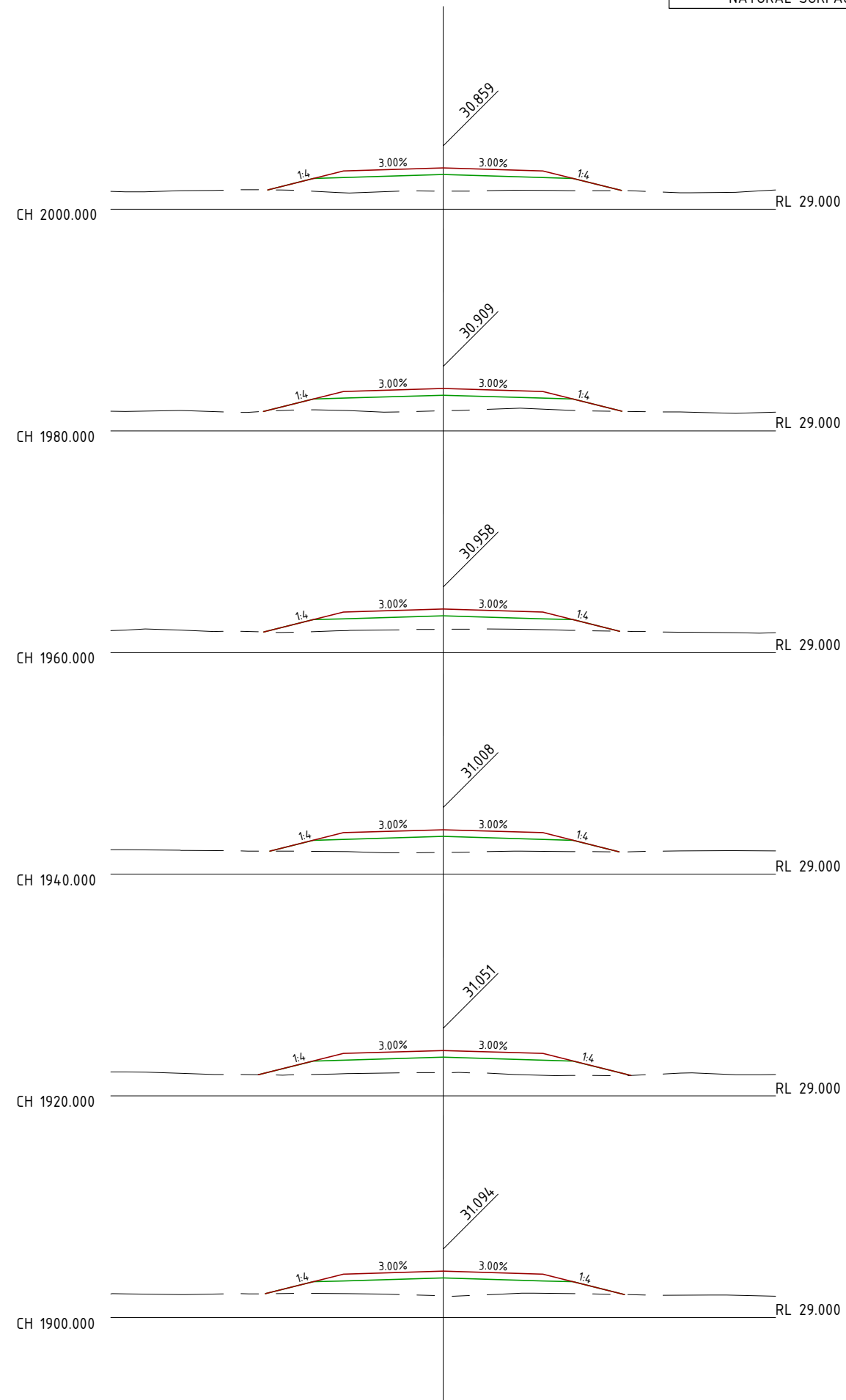
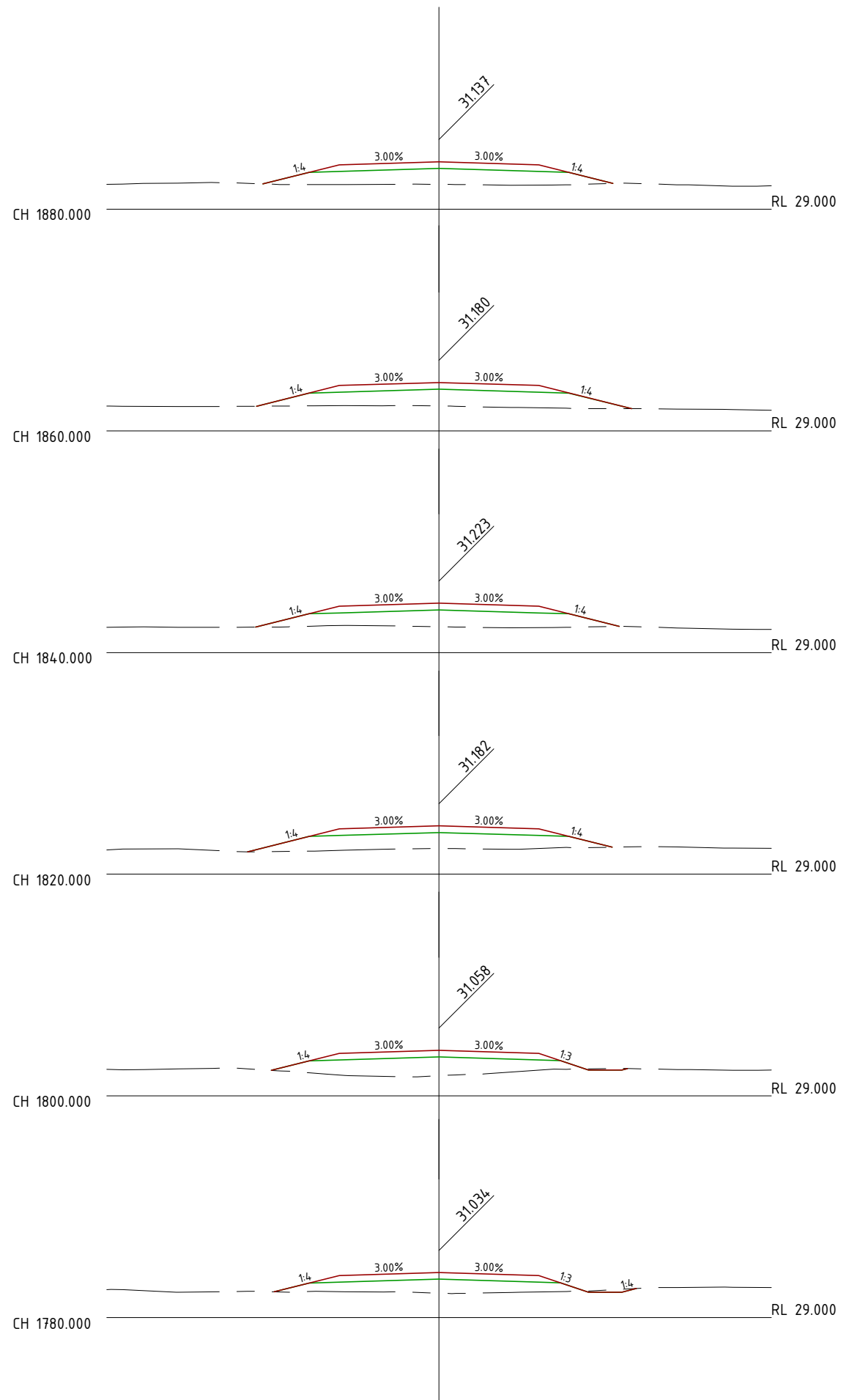
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 CIVIL WORKS
 MINE ACCESS ROAD
 CROSS SECTIONS SHEET 8 OF 10

FILE NO G2001-01-AR3.DWG
 JOB NO G2001/01

SCALE 0 1:250 HORZ. 5 AT A3 SIZE
 0 1:250 VERT 5

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



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

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AMENDMENTS		
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2	1/06/18	SECOND ISSUE
3	15/07/18	REVISED HWY INTERSECTION
4	1/07/20	NEW DESIGN

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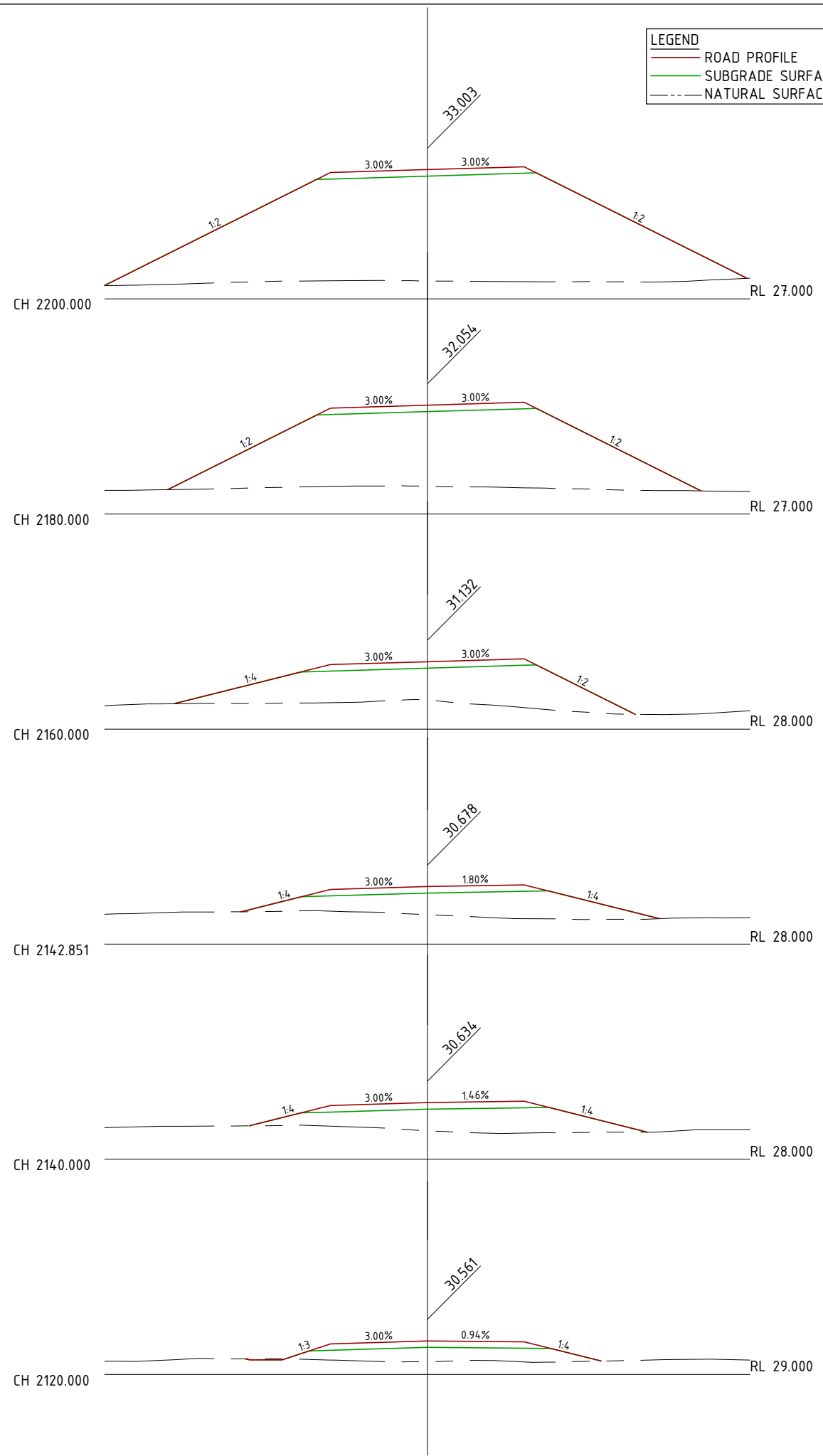
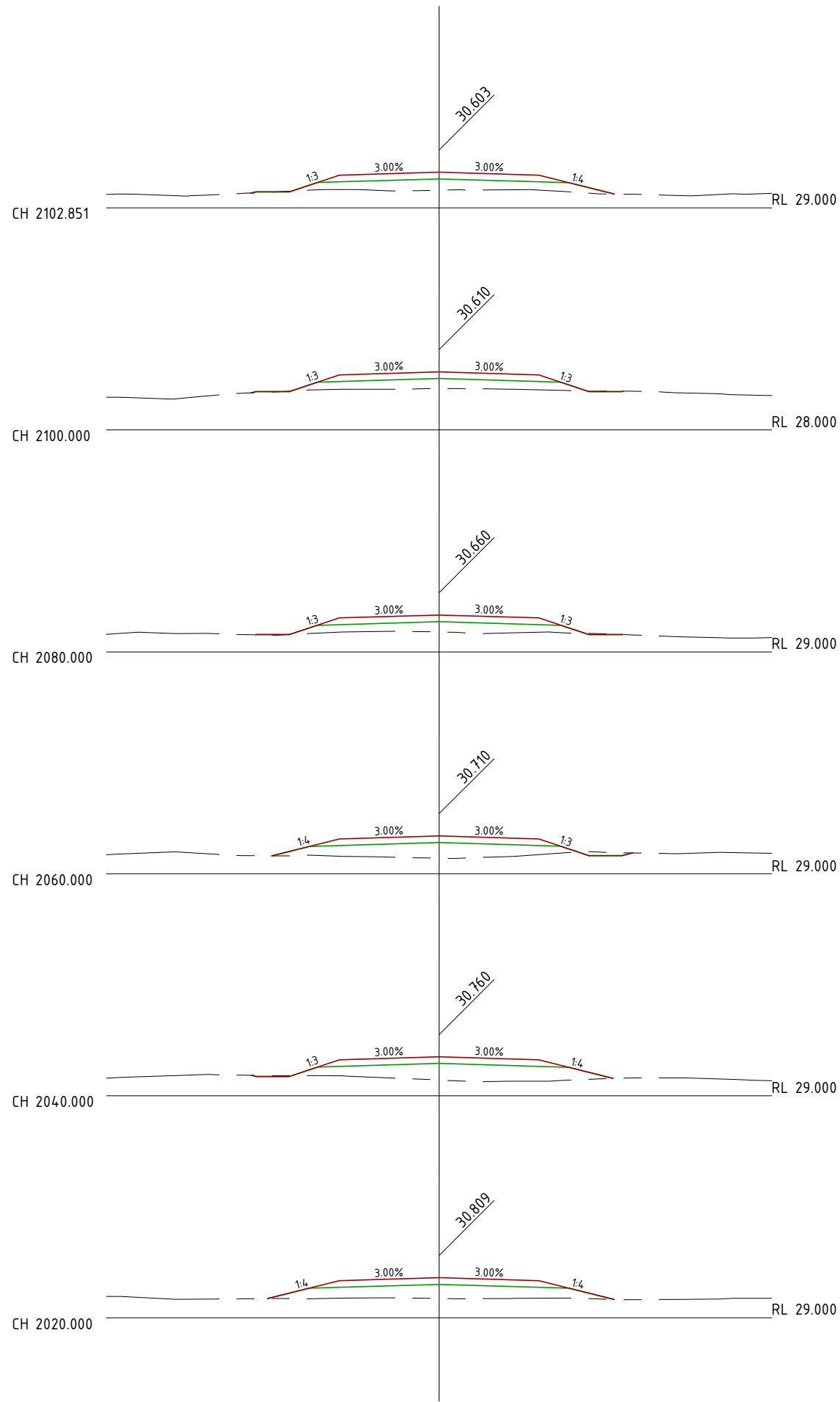
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CIVIL WORKS
MINE ACCESS ROAD
CROSS SECTIONS SHEET 9 OF 10

FILE NO G2001-01-AR3.DWG
JOB NO G2001/01

SCALE 0 1:250 HORZ. 5 AT A3 SIZE
0 1:250 VERT 5

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



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

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

XREF FILES	
DRAWING NO.	TITLE

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



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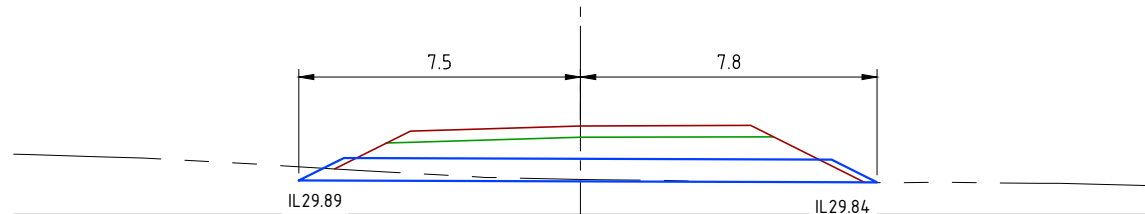
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CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
CROSS SECTIONS SHEET 10 OF 10

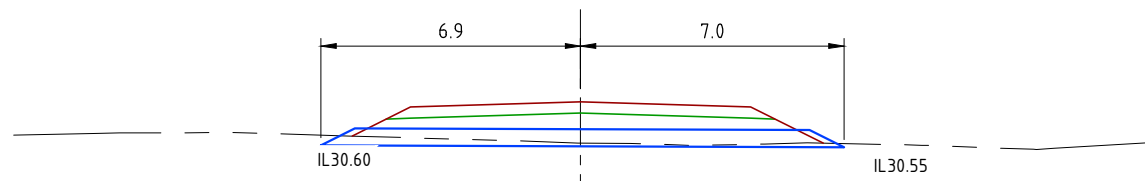
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JOB NO G2001/01

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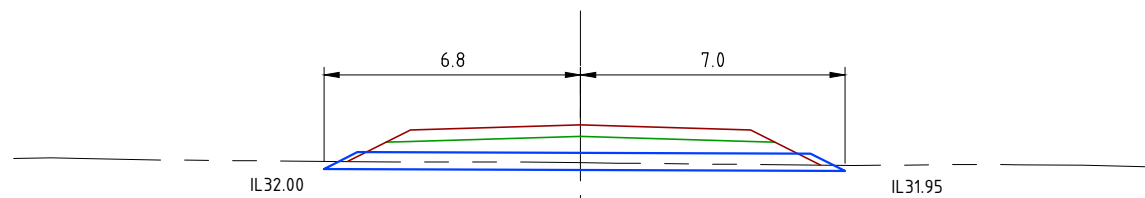
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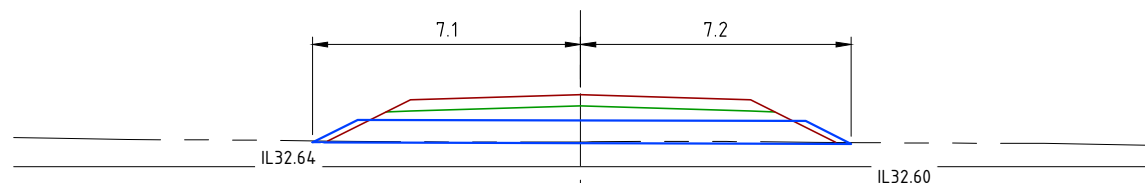
4B. CH1480 1/600 ϕ CSP CULVERT 15.3m; REFER PLAN AR3 FOR INSTALLATION DETAILS



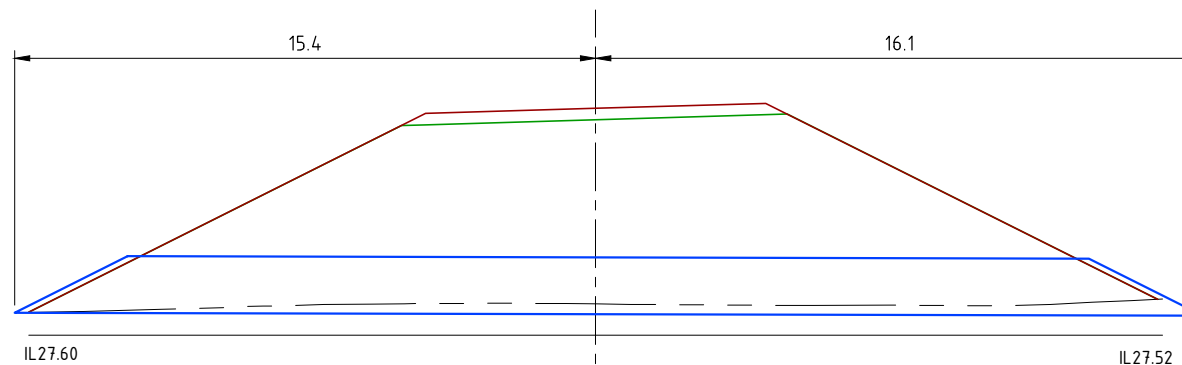
4A. CH1350 2/450 ϕ CSP CULVERT 13.9m; REFER PLAN AR3 FOR INSTALLATION DETAILS



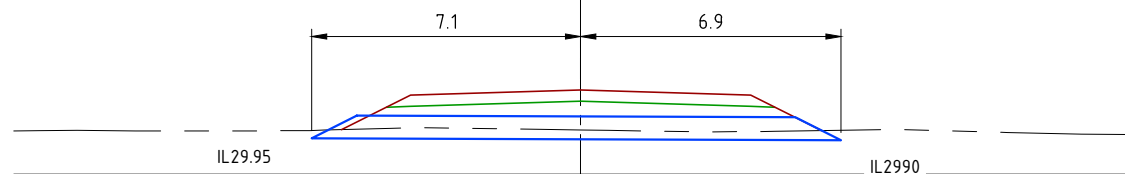
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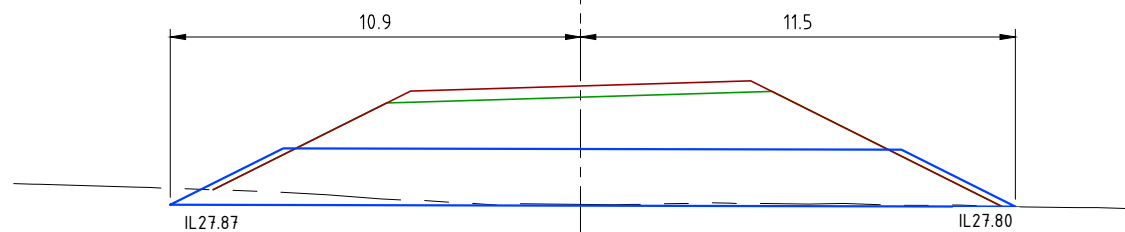
2A. CH690 1/600 ϕ CSP CULVERT 14.3m; REFER PLAN AR3 FOR INSTALLATION DETAILS



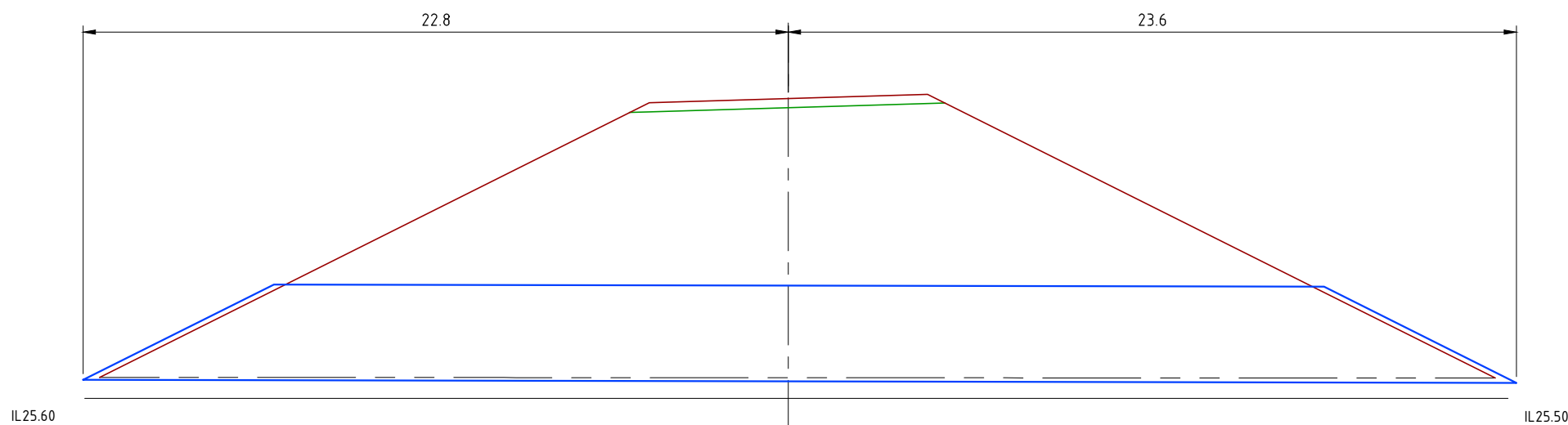
5B. CH2200 3/1500 ϕ CSP CULVERT 15.3m; REFER PLAN AR3 FOR INSTALLATION DETAILS



5A. CH1850 1/600 ϕ CSP CULVERT 14.0m; REFER PLAN AR3 FOR INSTALLATION DETAILS



4C. CH1580 1/1500 ϕ CSP CULVERT 22.4m; REFER PLAN AR3 FOR INSTALLATION DETAILS



1A. CH293 3/3000 ϕ CSP CULVERT 46.4m; REFER PLAN AR3 FOR INSTALLATION DETAILS



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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



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RPEQ 4321 AUTHORIZED FOR ISSUE DATE 1/07/2020

CENTRAL QUEENSLAND COAL PTL
CENTRAL QUEENSLAND COAL PROJECT
CIVIL WORKS
MINE ACCESS ROAD
CULVERT CROSS SECTIONS

FILE NO G2001-01-AR3.DWG

JOB NO G2001/01

SCALE 1:200 HORZ. 4 AT A3 SIZE
1:200 VERT. 4

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