Appendix J Design Drawings

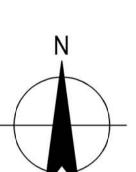


HYDRO ALUMINIUM KURRI KURRI PTY LTD GHD CONTAINMENT CELL DETAILED DESIGN

SR 2015-001









LOCALITY PLAN

DRAWING LIST

DRAWING NO.	DESCRIPTION
22-18015-C001	COVER SHEET, LOCALITY PLAN AND DRAWING LIST
22-18015-C011	EXISTING SITE PLAN - SHEET 1 OF 2
22-18015-C012	EXISTING SITE PLAN - SHEET 2 OF 2
22-18015-C013	SITE CLEARANCE PLAN
22-18015-C021	GENERAL ARRANGEMENT - CONTAINMENT CELL
22-18015-C022	GENERAL ARRANGEMENT - ACCESS ROADS
22-18015-C023	GENERAL ARRANGEMENT - STORMWATER
22-18015-C024	DETAIL PLAN - SEDIMENT BASINS AND STORAGE DAM
22-18015-C025	GENERAL ARRANGEMENT - FINAL CAP
22-18015-C031	SETOUT PLAN - CONTAINMENT CELL AND PONDS - SHEET 1 OF
22-18015-C032	SETOUT PLAN - CONTAINMENT CELL AND PONDS - SHEET 2 OF
22-18015-C033	SETOUT PLAN - CONTAINMENT CELL AND PONDS - SHEET 1 OF
22-18015-C034	SETOUT PLAN - CONTAINMENT CELL AND PONDS - SHEET 2 OF
22-18015-C041	SECTION A - LONGITUDINAL SECTION
22-18015-C042	SECTION B - LONGITUDINAL SECTION
22-18015-C043	ACCESS ROAD - LONGITUDINAL SECTION
22-18015-C044	PERIMETER ROAD - LONGITUDINAL SECTION - SHEET 1 OF 3
22-18015-C045	PERIMETER ROAD - LONGITUDINAL SECTION - SHEET 2 OF 3
22-18015-C046	PERIMETER ROAD - LONGITUDINAL SECTION - SHEET 3 OF 3
22-18015-C047	RAMP 01 LONGITUDINAL SECTIONS - SHEET 1 OF 4
22-18015-C048	RAMP 02 LONGITUDINAL SECTIONS - SHEET 2 OF 4
22-18015-C049	RAMP 03 LONGITUDINAL SECTIONS - SHEET 3 OF 4
22-18015-C050	RAMP 04 LONGITUDINAL SECTIONS - SHEET 4 OF 4
22-18015-C051	ACCESS ROAD RETURN LONGITUDINAL SECTION
22-18015-C052	VEHICLE TURN AROUND PAD01 PLAN & PROFILE
22-18015-C061	ACCESS ROAD CROSS SECTIONS - SHEET 1 OF 2
22-18015-C062	ACCESS ROAD CROSS SECTIONS - SHEET 2 OF 2
22-18015-C063	PERIMETER ROAD CROSS SECTIONS - SHEET 1 OF 7
22-18015-C064	PERIMETER ROAD CROSS SECTIONS - SHEET 2 OF 7
22-18015-C065	PERIMETER ROAD CROSS SECTIONS - SHEET 3 OF 7
22-18015-C066	PERIMETER ROAD CROSS SECTIONS - SHEET 4 OF 7
22-18015-C067	PERIMETER ROAD CROSS SECTIONS - SHEET 5 OF 7
22-18015-C068	PERIMETER ROAD CROSS SECTIONS - SHEET 6 OF 7
22-18015-C069	PERIMETER ROAD CROSS SECTIONS - SHEET 7 OF 7
22-18015-C071	LINER DETAILS - SHEET 1 OF 3
22-18015-C072	LINER DETAILS - SHEET 2 OF 3
22-18015-C073	LINER DETAILS - SHEET 3 OF 3
22-18015-C081	SUMP DETAILS - SHEET 1 OF 4
22-18015-C082	SUMP DETAILS - SHEET 2 OF 4
22-18015-C083	SUMP DETAILS - SHEET 3 OF 4
22-18015-C084	SUMP DETAILS - SHEET 4 OF 4
22-18015-C091	CAPPING DETAILS - SHEET 1 OF 2
22-18015-C092	CAPPING DETAILS - SHEET 2 OF 2

DRAWING NO.	DESCRIPTION
22-18015-C101	LEACHATE BUFFER STORAGE DAM DETAILS
22-18015-C102	LEACHATE TRANSFER SYSTEM - PLAN AND DETAILS
22-18015-C103	LEACHATE TRANSFER SYSTEM - UTILITIES SLAB DETAILS
22-18015-C111	STORMWATER DETAILS - SHEET 1 OF 2
22-18015-C112	STORMWATER DETAILS - SHEET 2 OF 2
22-18015-C113	CULVERT LONGITUDINAL SECTIONS - SHEET 1 OF 2
22-18015-C114	CULVERT LONGITUDINAL SECTION - SHEET 2 OF 2
22-18015-C121	SEDIMENT DETENTION BASIN DETAILS
22-18015-C131	ACCESS ROAD DETAILS - SHEET 1 OF 3
22-18015-C132	ACCESS ROAD DETAILS - SHEET 2 OF 3
22-18015-C133	ACCESS ROAD DETAILS - SHEET 3 OF 3
22-18015-C141	LANDFILL GAS MANAGEMENT SYSTEM DETAILS
22-18015-C151	SWALE - LONGITUDINAL SECTION - SHEET 1 OF 8
22-18015-C152	SWALE - LONGITUDINAL SECTION - SHEET 2 OF 8
22-18015-C153	SWALE - LONGITUDINAL SECTION - SHEET 3 OF 8
22-18015-C154	SWALE - LONGITUDINAL SECTION - SHEET 4 OF 8
22-18015-C155	SWALE - LONGITUDINAL SECTION - SHEET 5 OF 8
22-18015-C156	SWALE - LONGITUDINAL SECTION - SHEET 6 OF 8
22-18015-C157	SWALE - LONGITUDINAL SECTION - SHEET 7 OF 8
22-18015-C158	SWALE - LONGITUDINAL SECTION - SHEET 8 OF 8

VEHICLE TRACKING PLAN

SECURITY AND UTILITIES PLAN

EROSION AND SEDIMENT CONTROL - PLANS AND DETAILS

22-18015-C161

22-18015-C162

22-18015-C163

DETAIL DESIGN

Rev: E

Е	100% DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.18
D	100% DETAILED DESIGN REVIEW COMMENTS	CD	DB*	IG*	15.09.17
С	100% DETAILED DESIGN	JSC	DB*	IG*	04.08.17
В	ISSUE FOR CLIENT REVIEW	EAN	DB*	IG*	13.01.17
Α	ISSUE FOR REVIEW	EAN	DB*	IG*	28.11.16
No	Revision Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date

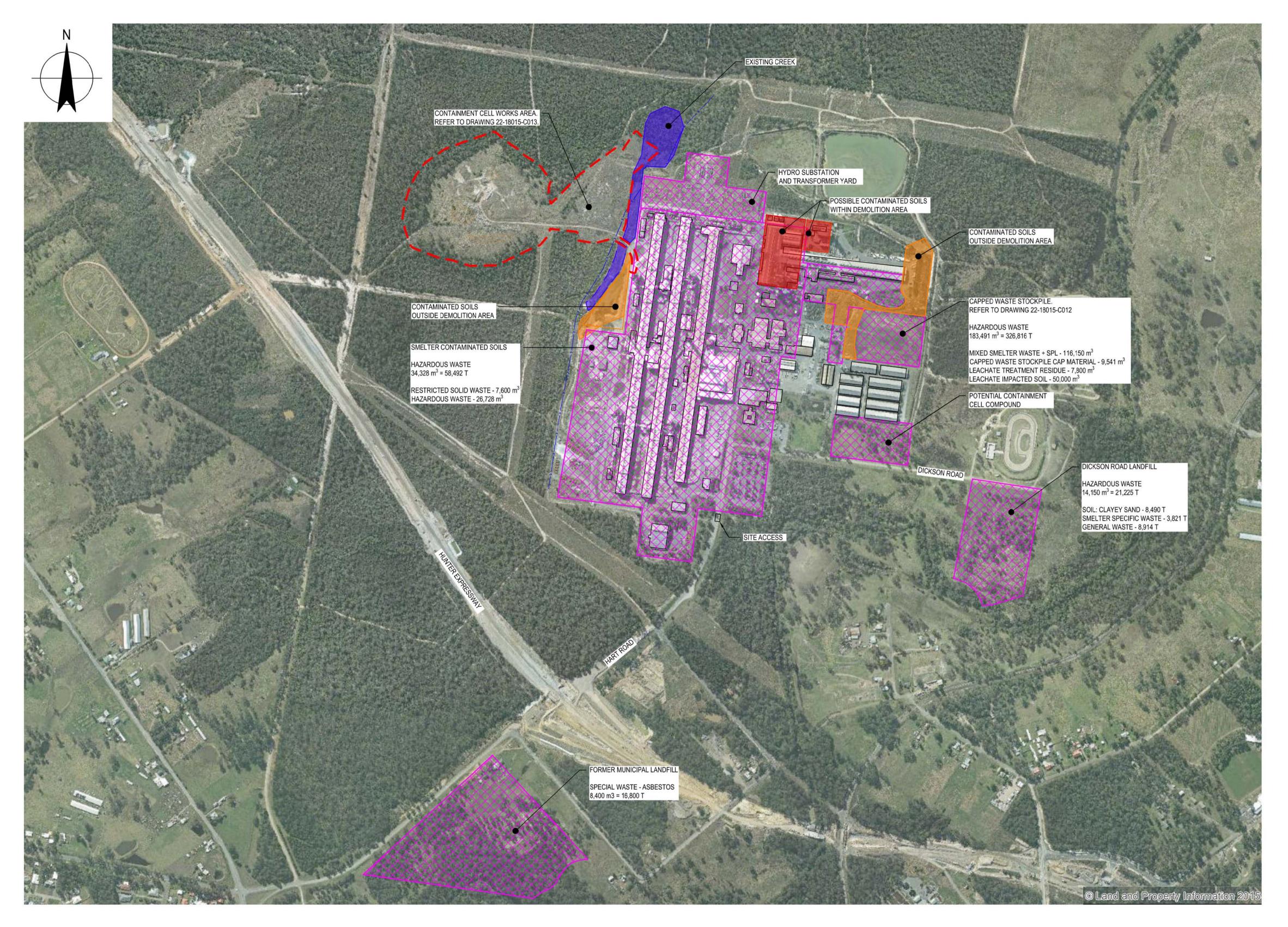






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ent HYDRO ALUMINIUM KURRI KURRI PTY LTD oject CONTAINMENT CELL DETAILED DESIGN **COVER SHEET, LOCALITY PLAN AND DRAWING LIST**



LEGEND: CONTAINMENT CELL WORKS AREA

WASTE SOURCES

CONTAMINATED SOIL OUTSIDE **DEMOLITION AREA**

CONTAMINATED SOIL WITHIN

DEMOLITION AREA

EXISTING CREEK

NOTE:

1. ALL QUOTED VOLUMES WERE PROVIDED BY HYDRO ALUMINIUM KURRI KURRI PTY LTD 01/06/2016.

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SCALE 1:50,000

SCALE 1:50,000 AT ORIGINAL SIZE

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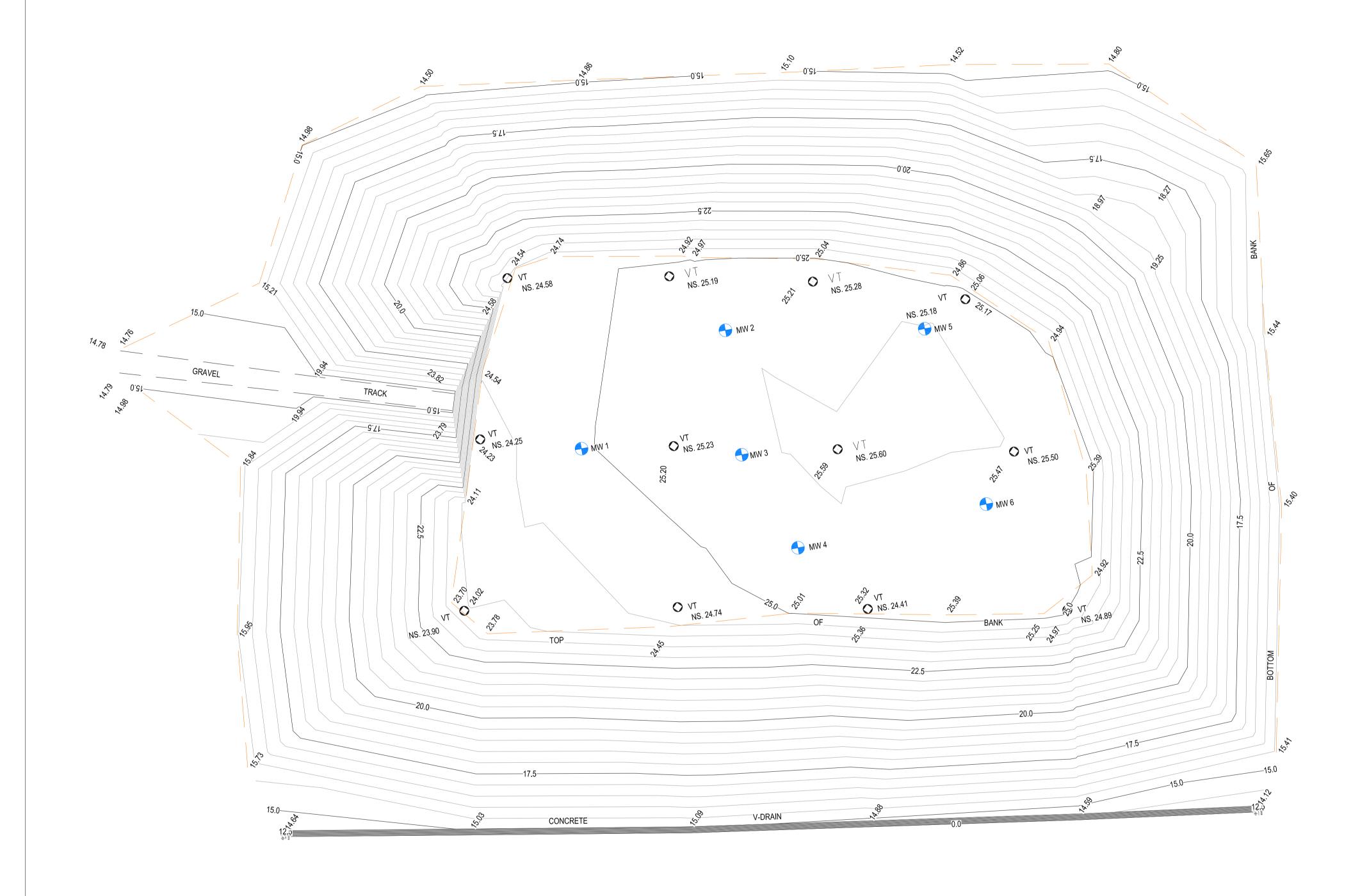
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HYDRO ALUMINIUM KURRI KURRI PTY LTD

Dject CONTAINMENT CELL DETAILED DESIGN **EXISTING SITE PLAN** SHEET 1 OF 2

A1 Drawing No: 22-18015-C011





EXISTING CAPPED WASTE STOCKPILE



EXISTING CAPPED WASTE STOCKPILE LOOKING WEST

EXISTING CAPPED WASTE STOCKPILE



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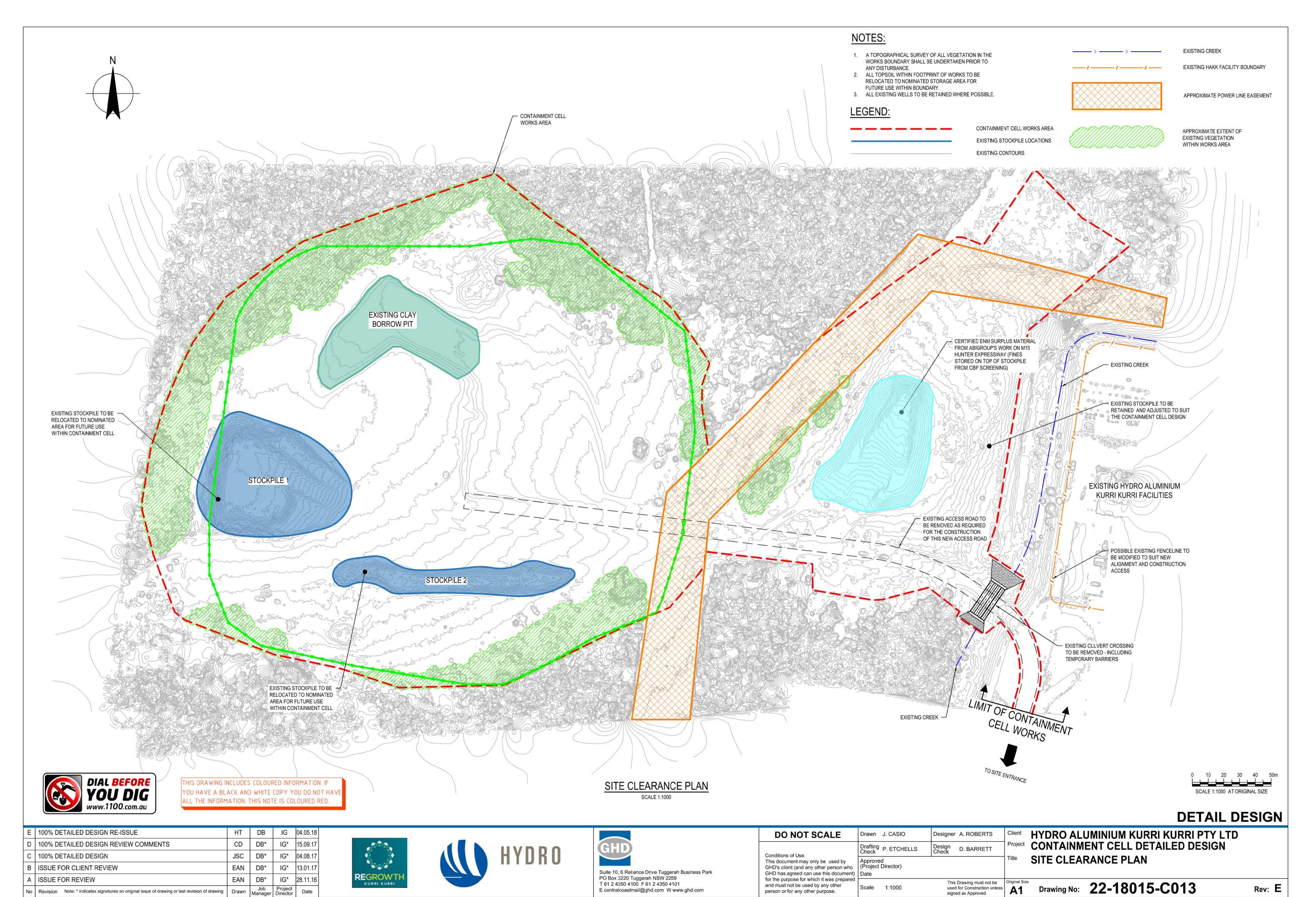
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DRO ALUMINIUM KURRI KU	
NTAINMENT CELL DETAIL	ED DESIGN

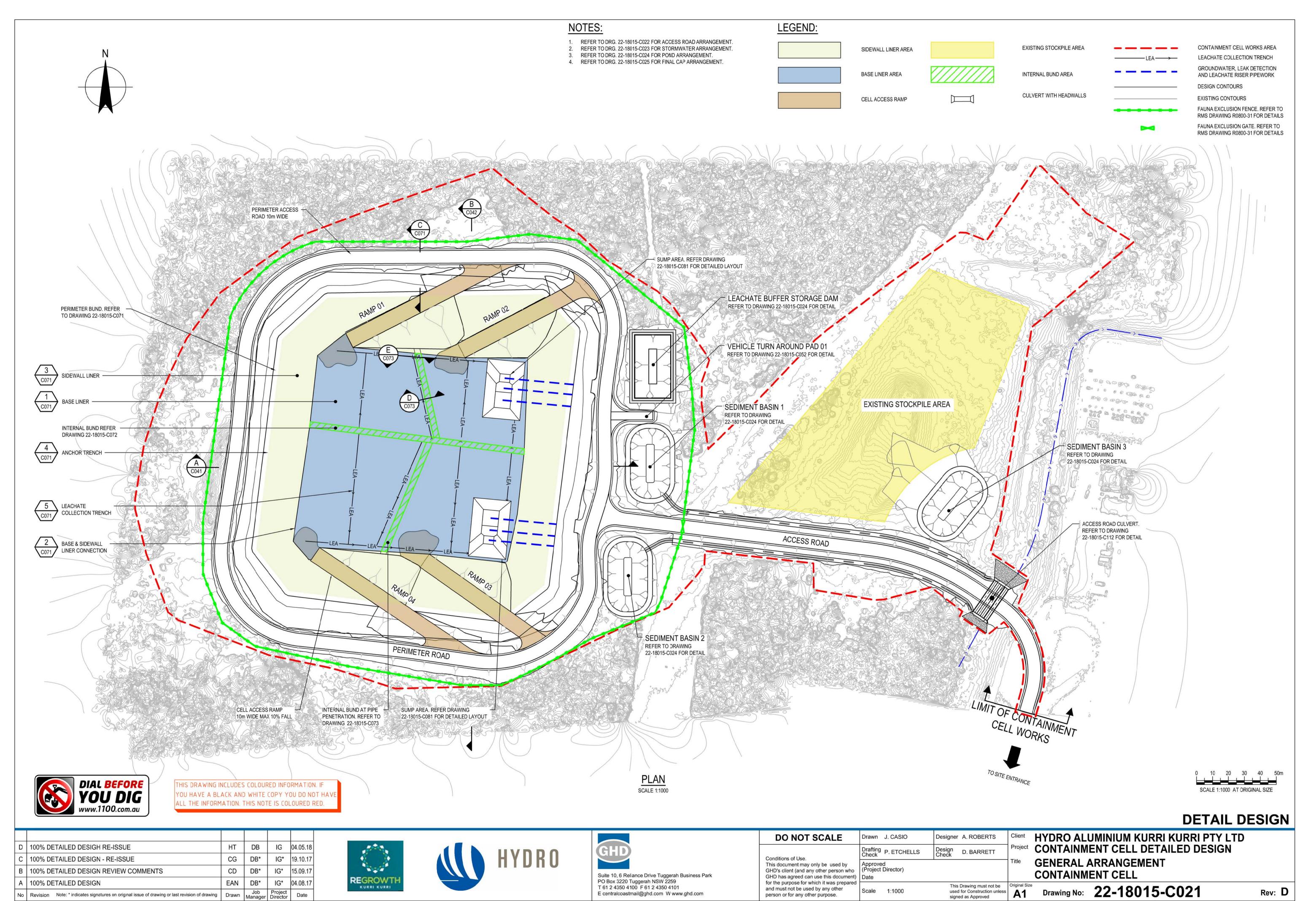
EXISTING SITE PLAN SHEET 2 OF 2

A1 Drawing No: 22-18015-C012

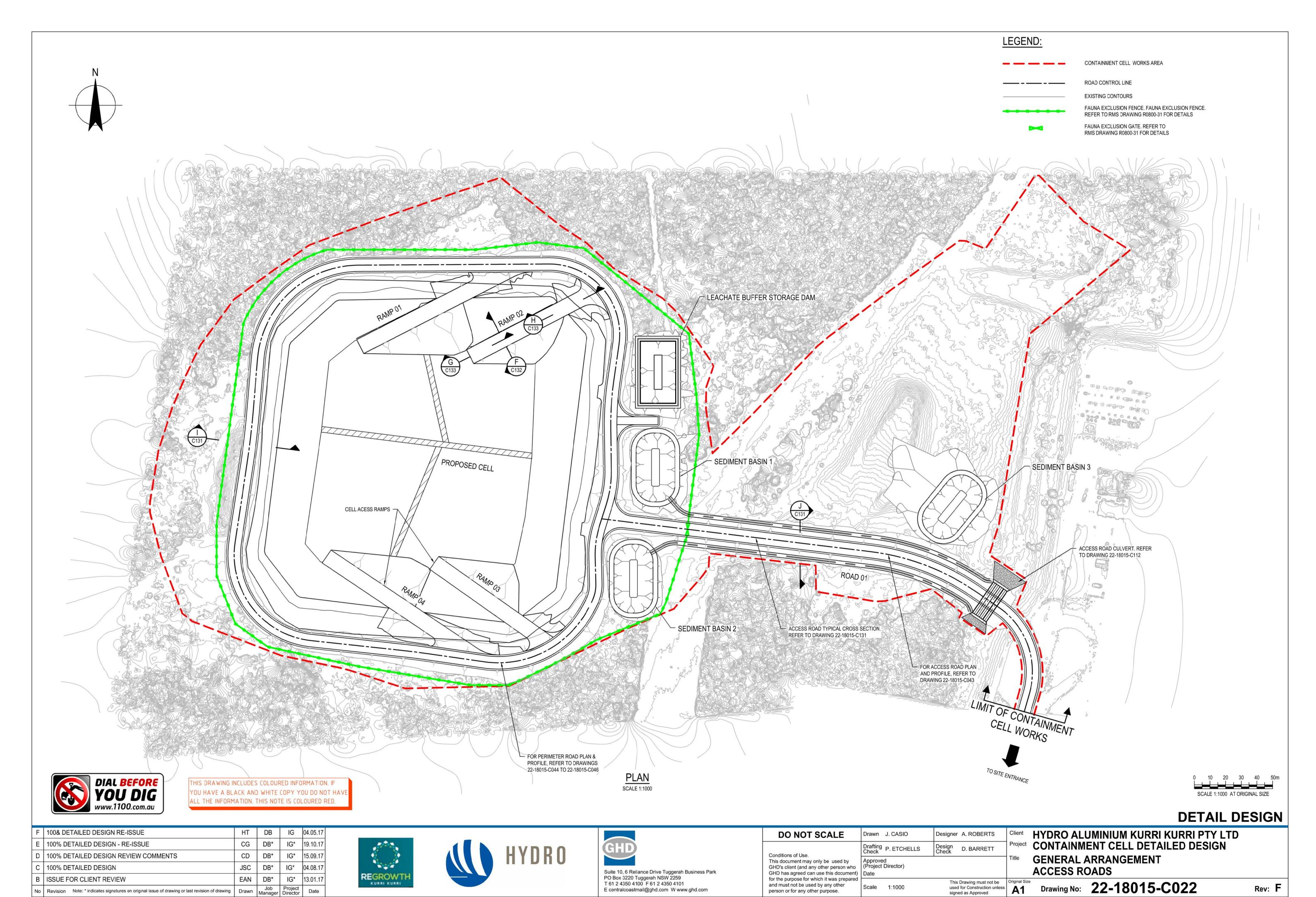
Rev: **F**

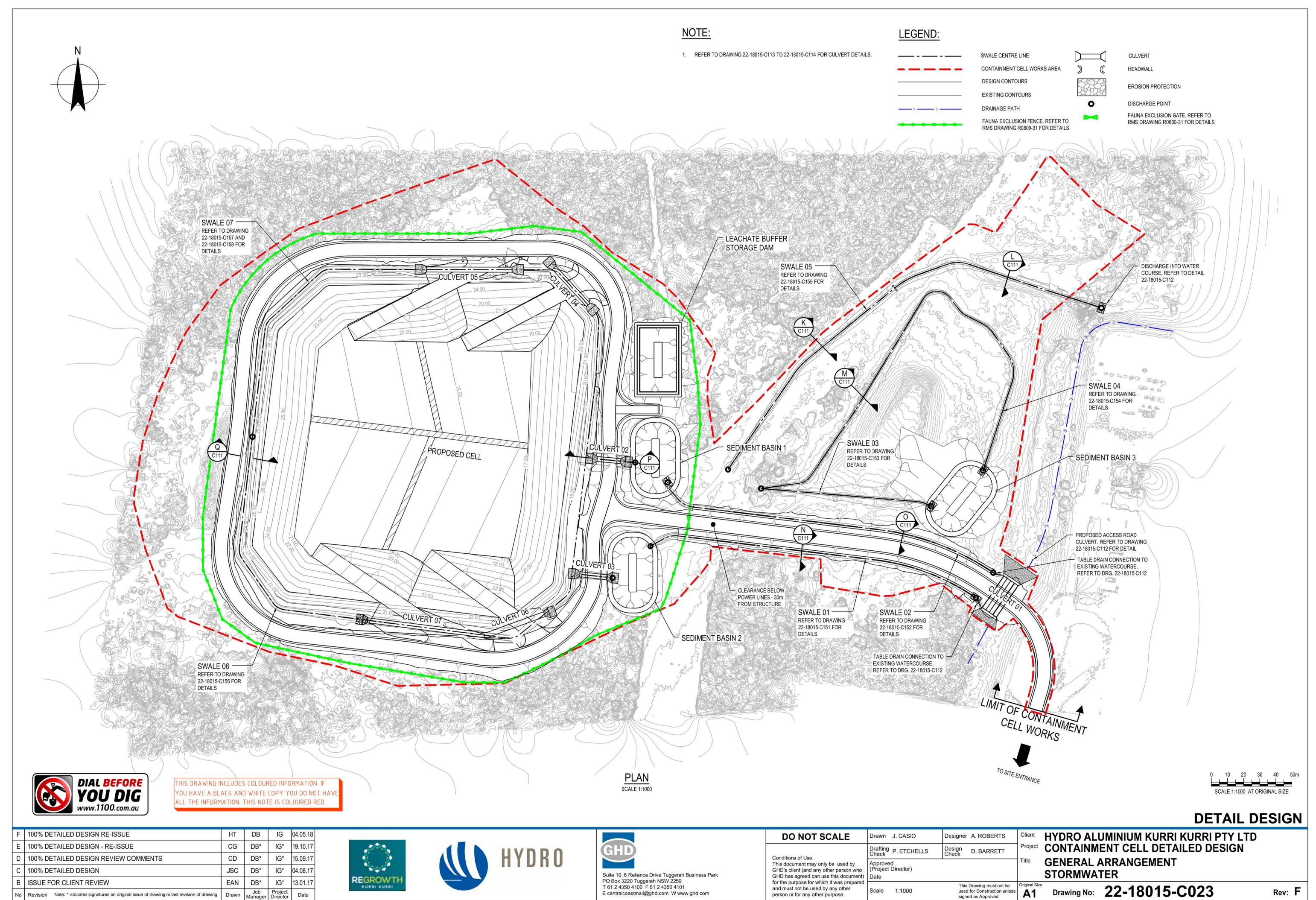


Plot Date: 4 May 2018 - 10:32 AM

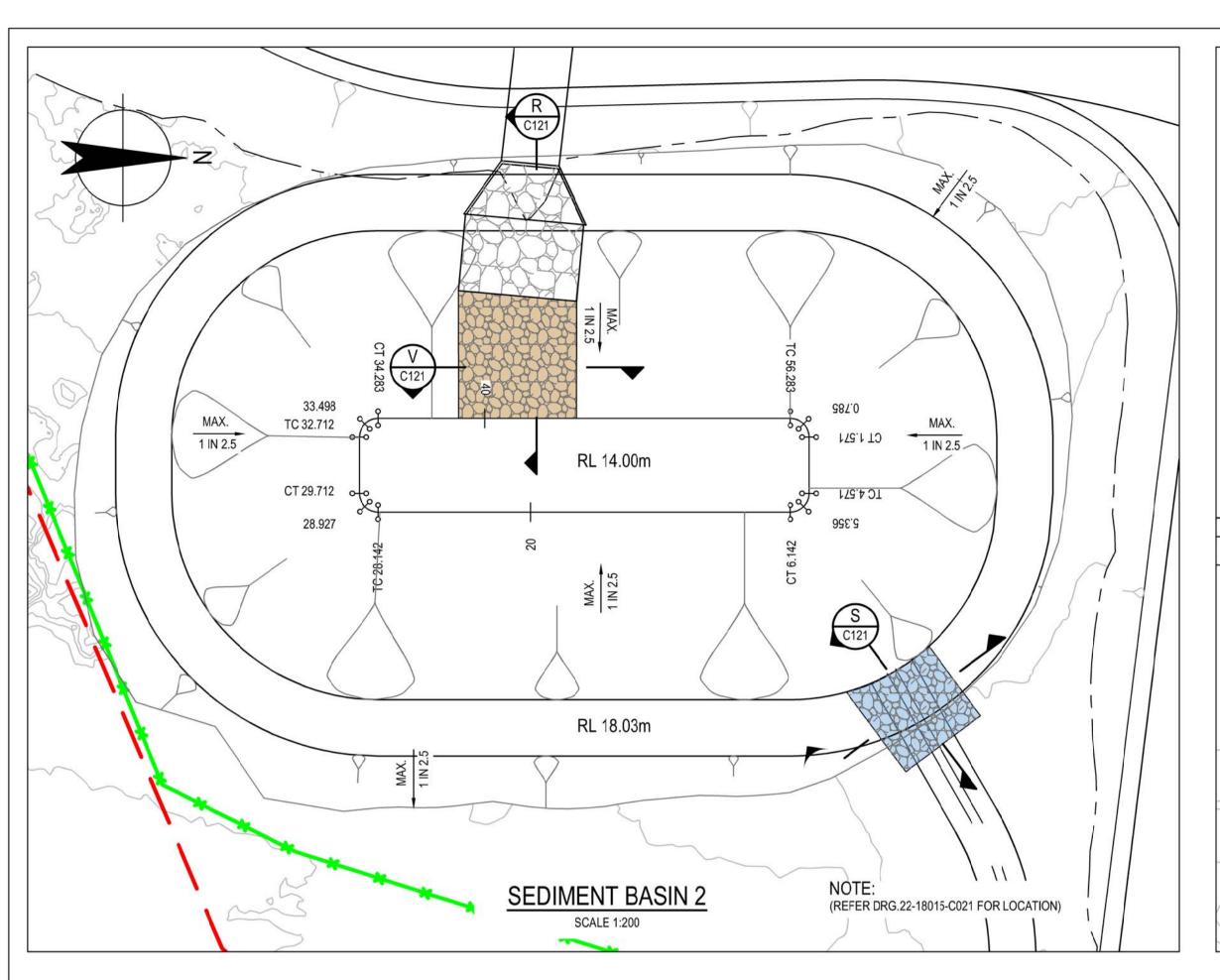


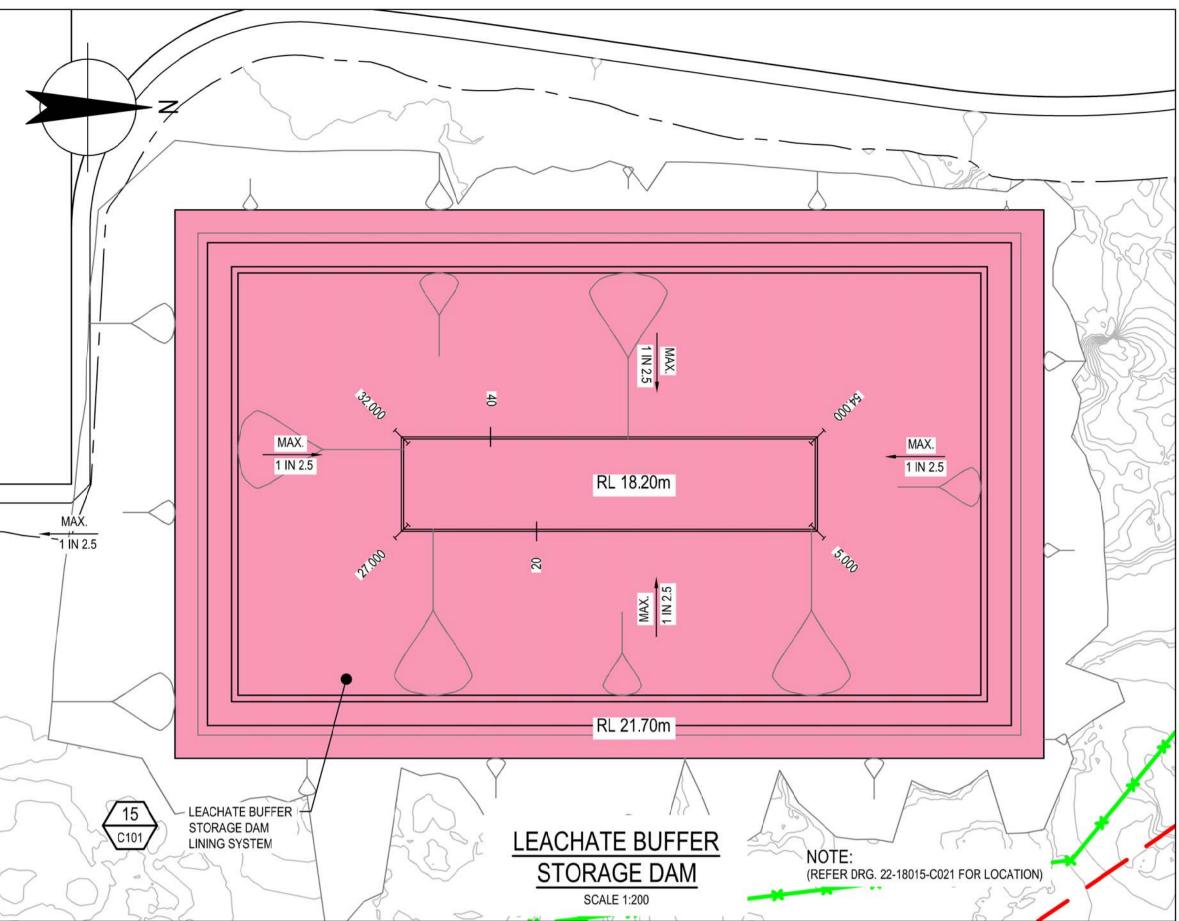
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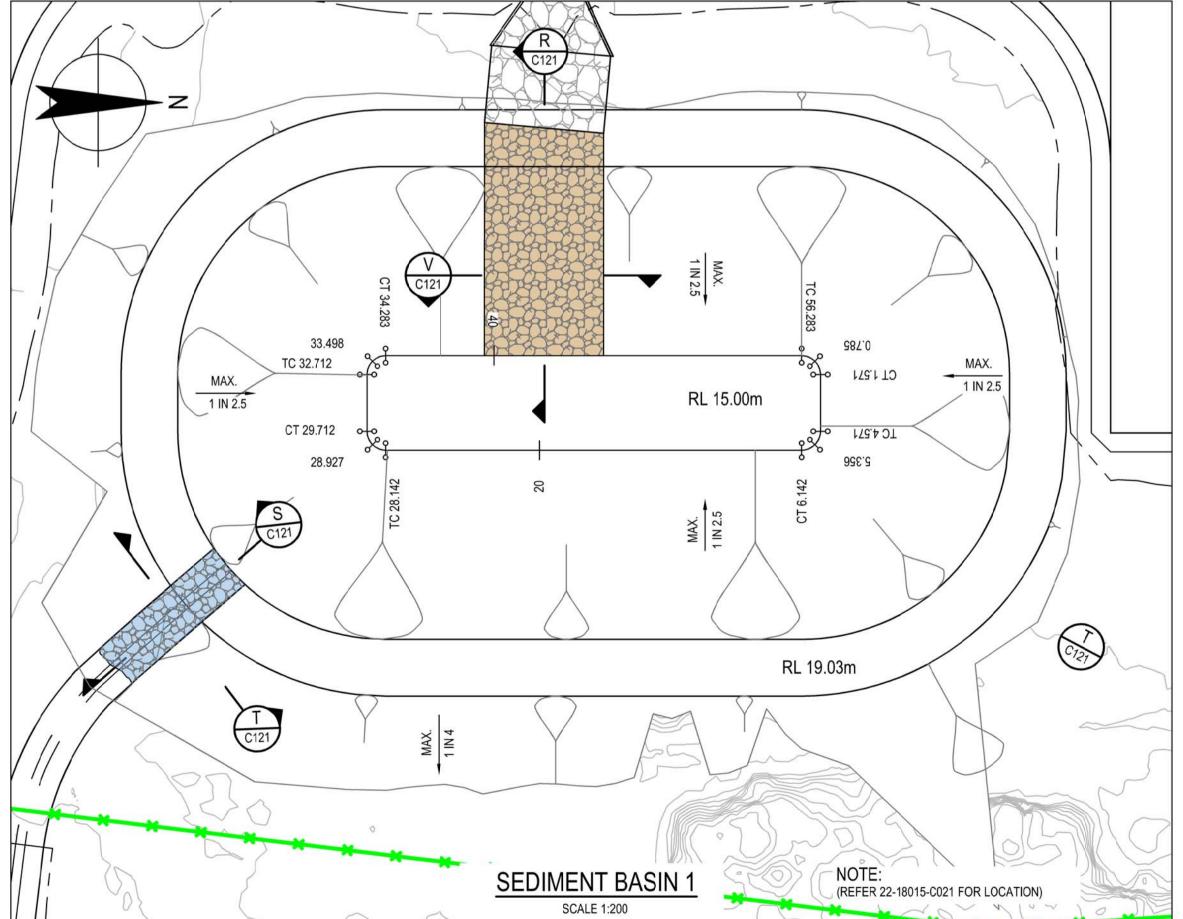


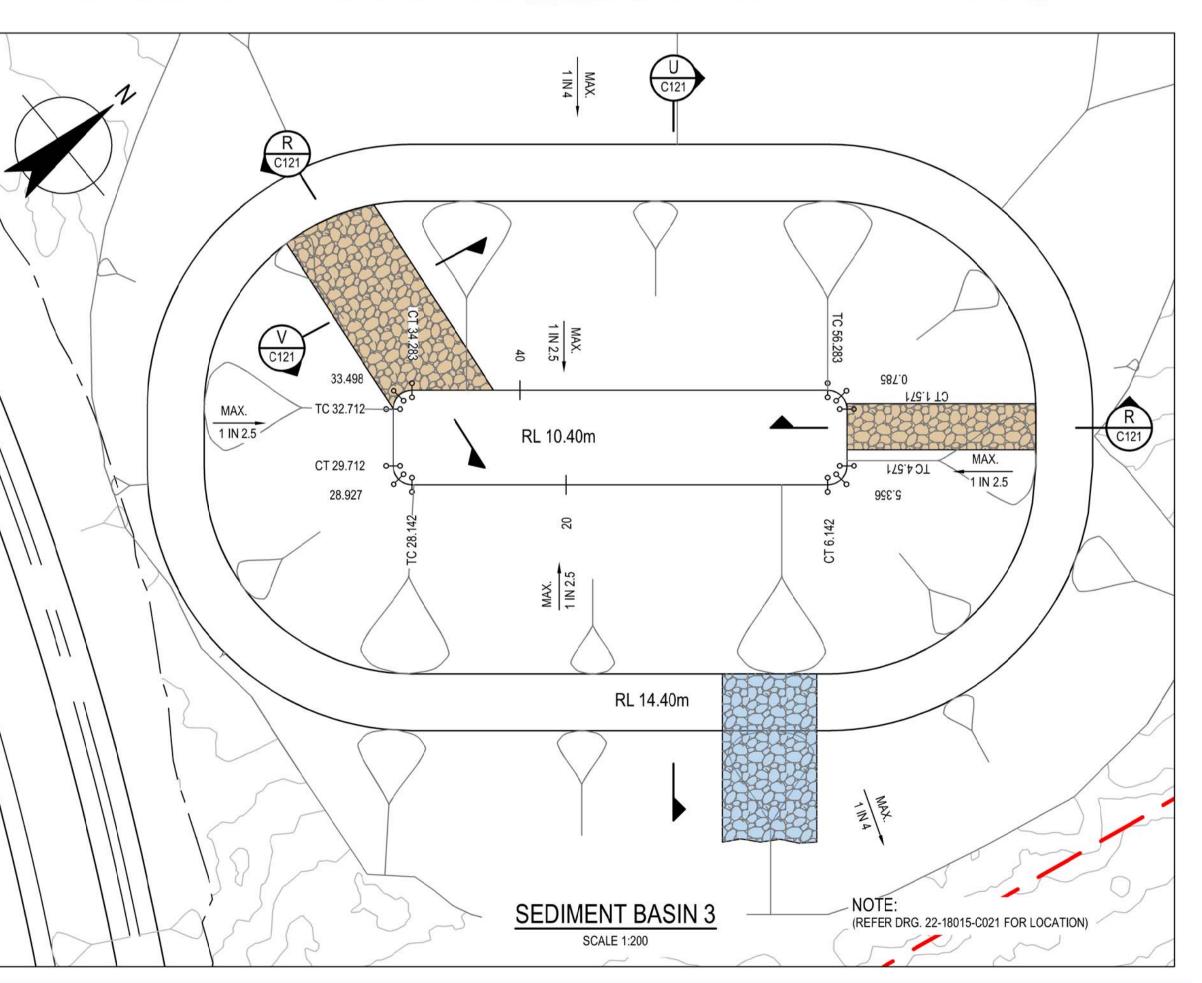


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Designer A. ROBERTS

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Drafting P. ETCHELLS

Check

P. ETCHELLS

Design D. BARRETT

Title

Criginal Size

Scale 1:200

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Original Size

A1

CONTAINMENT CELL WORKS AREA

EXISTING CONTOURS

DESIGN CONTOURS

FAUNA EXCLUSION FENCE. REFER TO
RMS DRAWING R0800-31 FOR DETAILS

INLET CHANNEL

OVERFLOW CHANNEL

LEACHATE BUFFER STORAGE
DAM LINING

NOTES:

- LEACHATE BUFFER STORAGE DAM HAS BEEN SIZED TO CONTAIN ONE MONTH PEAK GENERATION VOLUME.
- 2. SEDIMENT DETENTION BASIN SIZED TO ACCOMMODATE 5.2ha OF DISTURBED AREA.

SEDIME	NT BASIN 0	1 SETOUT P	OINTS
CHAINAGE	EASTING	NORTHING	HEIGHT
0.000	357191.998	6371450.369	15.000
0.785	357191.998	6371451.369	15.000
1.571	357192.998	6371451.369	15.000
4.571	357195.998	6371451.369	15.000
5.356	357196.998	6371451.369	15.000
6.142	357196.998	6371450.369	15.000
28.142	357196.998	6371428.369	15.000
28.927	357196.998	6371427.369	15.000
29.712	357195.998	6371427.369	15.000
32.712	357192.998	6371427.369	15.000
33.498	357191.998	6371427.369	15.000
34.283	357191.998	6371428.369	15.000

_				
	SEDIME	NT BASIN 02	2 SETOUT P	OINTS
	CHAINAGE	EASTING	NORTHING	HEIGHT
	0.000	357177.947	6371379.363	14.000
	0.785	357177.947	6371380.363	14.000
	1.571	357178.947	6371380.363	14.000
	4.571	357181.947	6371380.363	14.000
	5.356	357182.947	6371380.363	14.000
	6.142	357182.947	6371379.363	14.000
	28.142	357182.947	6371357.363	14.000
	28.927	357182.947	6371356.363	14.000
	29.712	357181.947	6371356.363	14.000
	32.712	357178.947	6371356.363	14.000
	33.498	357177.947	6371356.363	14.000
	34.283	357177.947	6371357.363	14.000

LEACHATE BUFFER STORAGE DAM									
SETOUT POINTS									
CHAINAGE	EASTING	NORTHING	HEIGHT						
0.000	357193.586	6371511.164	17.600						
5.000	357198.586	6371511.164	17.600						
27.000	357198.586	6371489.164	17.600						
32.000	357193.586	6371489.164	17.600						

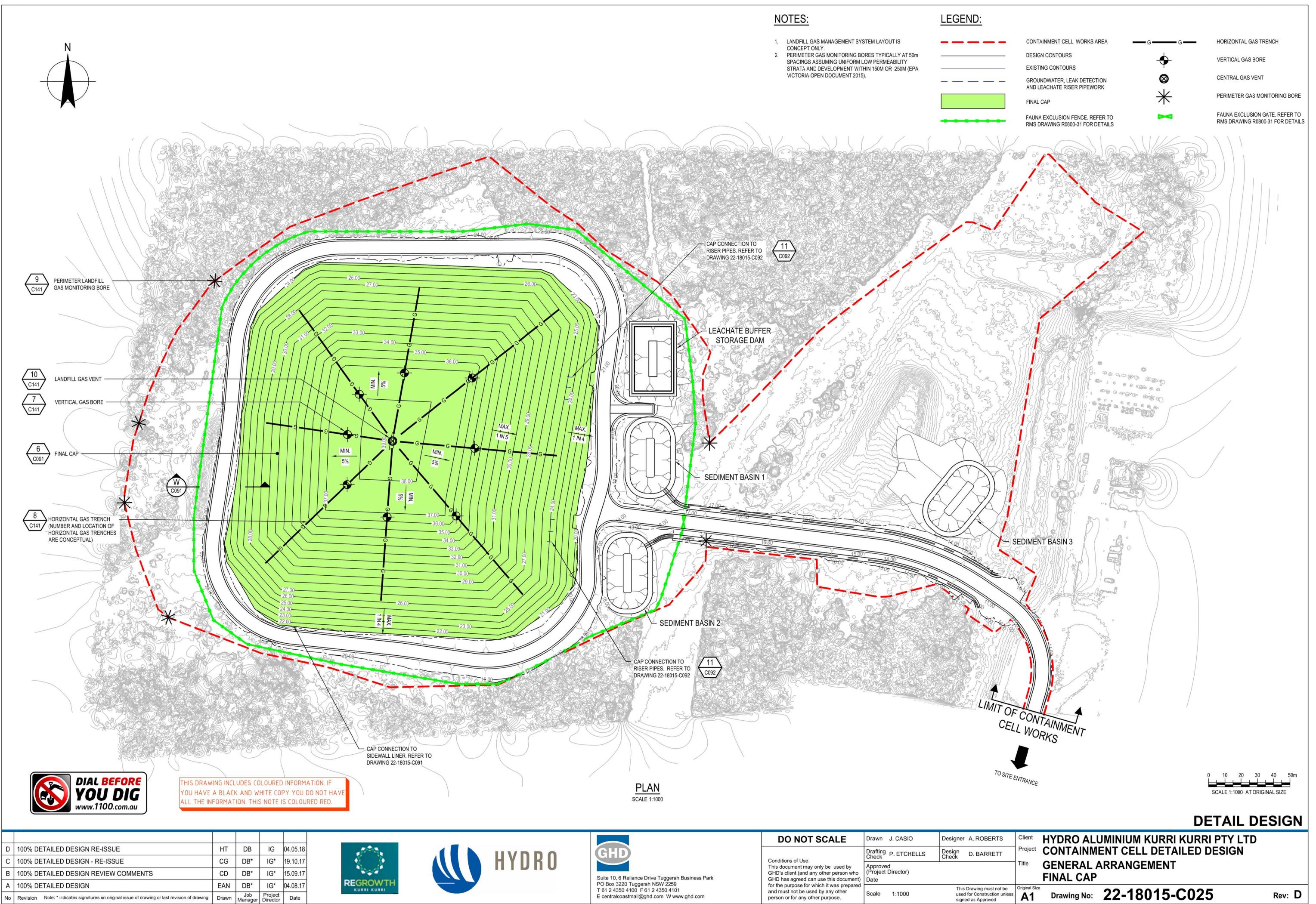
SEDIME	NT BASIN 0	3 SETOUT P	OINTS
CHAINAGE	EASTING	NORTHING	HEIGHT
0.000	357389.148	6371424.286	10.400
0.785	357389.779	6371425.062	10.400
1.571	357390.555	6371424.432	10.400
4.571	357392.883	6371422.540	10.400
5.356	357393.659	6371421.909	10.400
6.142	357393.029	6371421.133	10.400
28.142	357379.154	6371404.060	10.400
28.927	357378.523	6371403.283	10.400
29.712	357377.747	6371403.914	10.400
32.712	357375.419	6371405.806	10.400
33.498	357374.643	6371406.437	10.400
34.283	357375.274	6371407.213	10.400

DETAIL DESIGN
CALE 1:200 AT ORIGINAL SIZE

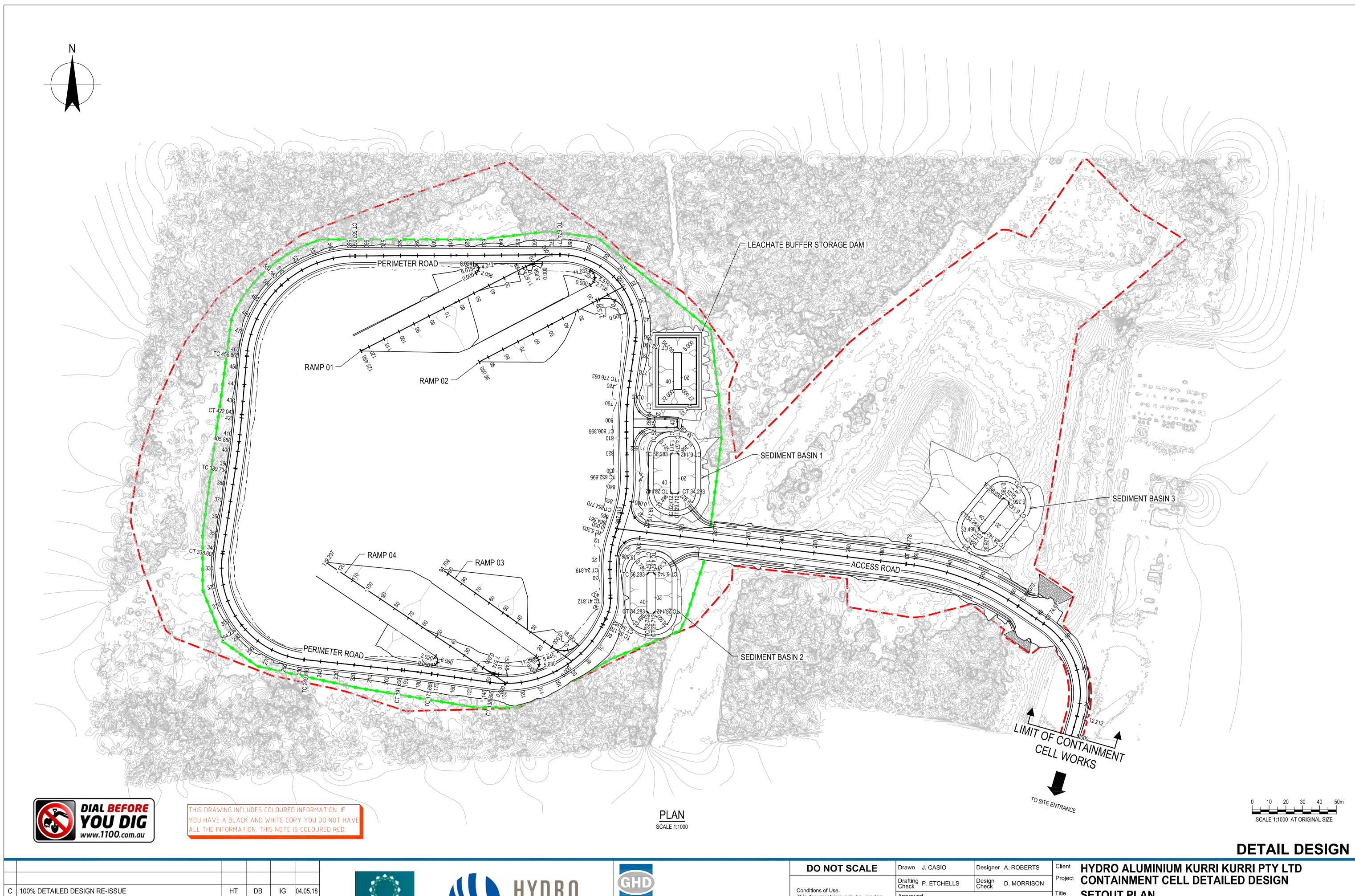
HYDRO ALUMINIUM KURRI KURRI PTY LTD CONTAINMENT CELL DETAILED DESIGN DETAIL PLAN SEDIMENT BASINS & STORAGE DAM

Drawing No: 22-18015-C024

Rev: **F**



Plot Date: 4 May 2018 - 10:37 AM











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oject CONTAINMENT CELL DETAILED DESIGN

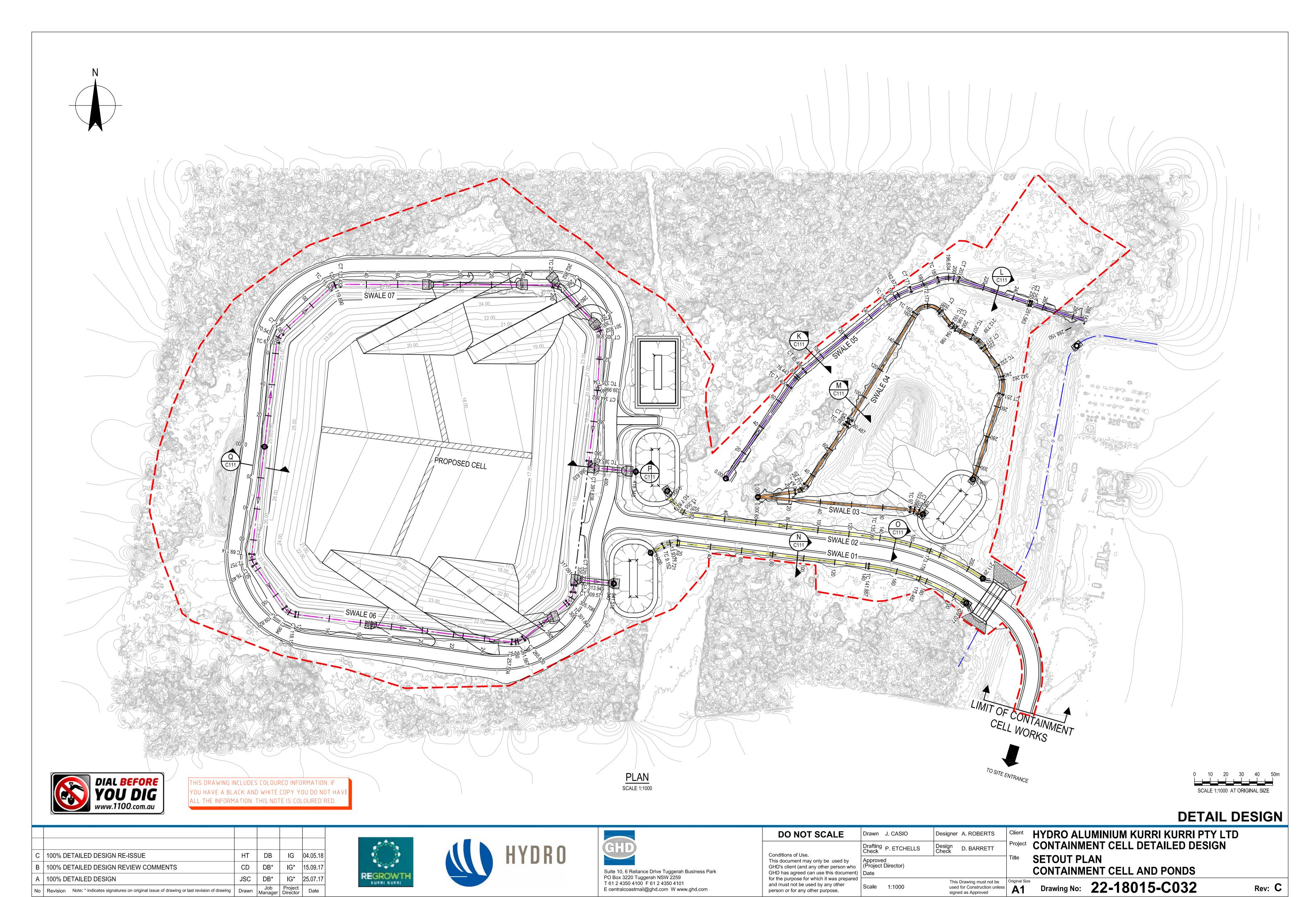
E SETOUT PLAN
CONTAINMENT CELL AND PONDS - SHEET 1 OF 2

inal Size A1 Drawing No: 22-18015-C031 Rev: C

B | 100% DETAILED DESIGN REVIEW COMMENTS

JSC DB*

IG* 25.07.17



	ACCESS ROAD (ROAD01) SETOUT POINTS												
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE					
IP 1	0.000	357430.199	6371283.416	13.505	15°55'18.49"								
TC	12.212	357433.549	6371295.159	13.828	15°55'18.49"								
IP 2	43.443	357443.437	6371329.822	13.470		R = -50.000	62.462	71°34'34.00"					
СТ	74.673	357413.676	6371350.158	11.823	304°20'44.49"								
TC	93.070	357398.487	6371360.537	12.053	304°20'44.49"								
IP 3	128.924	357368.307	6371381.160	13.666		R = -150.000	71.708	27°23'24.91"					
СТ	164.778	357332.024	6371385.586	15.280	276°57'19.58"								
IP 4	337.913	357160.163	6371406.552	19.798	276°57'19.58"								

		PER	IMETER RO	AD (ROAD	002) SETOUT	POINTS		
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	357160.163	6371406.552	19.798	197°15'56.61"			
TC	5.203	357158.619	6371401.584	19.783	197°15'56.61"			
IP 2	15.011	357155.682	6371392.134	19.634		R = -60.000	19.616	18°43'53.53"
СТ	24.819	357155.935	6371382.241	19.367	178°32'03.08"			
TC	41.812	357156.369	6371365.253	19.361	178°32'03.08"			
IP 3	48.097	357156.534	6371358.834	19.515		R = 25.000	12.570	28°48'29.10"
СТ	54.382	357153.585	6371353.131	19.672	207°20'32.18"			
TC	58.176	357151.842	6371349.760	19.767	207°20'32.18"			
IP 4	98.385	357130.591	6371308.662	20.745		R = 65.000	80.419	70°53'13.15"
СТ	138.595	357084.800	6371315.284	20.900	278°13'45.33"			
TC	173.689	357050.067	6371320.308	20.900	278°13'45.33"			
IP 5	182.647	357041.200	6371321.590	20.900		R = -495.000	17.917	2°04'25.88"
СТ	191.606	357032.292	6371322.551	20.900	276°09'19.45"			
TC	249.869	356974.365	6371328.798	21.188	276°09'19.45"			
IP6	294.239	356917.300	6371334.952	22.261		R = 55.000	88.738	92°26'32.83"
СТ	338.608	356925.880	6371391.703	23.947	8°35'52.27"			
TC	389.734	356933.523	6371442.255	25.238	8°35'52.27"			
IP 7	405.888	356935.939	6371458.234	25.288		R = -495.000	32.309	3°44'22.94"
СТ	422.043	356937.308	6371474.336	25.164	4°51'29.33"			
TC	456.865	356940.257	6371509.033	24.530	4°51'29.33"			
IP8	504.962	356945.283	6371568.166	23.673		R = 65.000	96.195	84°47'35.42"
СТ	553.060	357004.628	6371568.527	23.391	89°39'04.76"			
TC	674.771	357126.336	6371569.267	23.191	89°39'04.76"			
IP 9	713.435	357178.523	6371569.585	22.437		R = 45.000	77.329	98°27'31.77"
СТ	752.100	357171.160	6371517.920	21.470	188°06'36.53"			
TC	776.063	357167.780	6371494.196	20.930	188°06'36.53"			
IP 10	791.230	357165.636	6371479.151	20.682		R = -195.000	30.333	8°54'45.41"
СТ	806.396	357165.848	6371463.955	20.454	179°11'51.12"			
TC	832.695	357166.217	6371437.660	20.060	179°11'51.12"			
IP 11	843.732	357166.373	6371426.531	19.902		R = 70.000	22.075	18°04'07.08"
СТ	854.770	357163.069	6371415.902	19.812	197°15'58.19"			
IP 12	864.561	357160.163	6371406.552		197°15'58.19"			

	DACINICA OFTOLIT POINTO												
	BASIN 01 SETOUT POINTS												
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE					
IP 1	0.000	357177.947	6371379.363	14.000									
IP 2	0.785	357177.947	6371380.363	14.000		R = 1.000	1.571	90°00'00.00"					
CT	1.571	357178.947	6371380.363	14.000	90°00'00.00"								
TC	4.571	357181.947	6371380.363	14.000	90°00'00.00"								
IP 3	5.356	357182.947	6371380.363	14.000		R = 1.000	1.571	90°00'00.00"					
CT	6.142	357182.947	6371379.363	14.000	180°00'00.00"								
TC	28.142	357182.947	6371357.363	14.000	180°00'00.00"								
IP 4	28.927	357182.947	6371356.363	14.000		R = 1.000	1.571	90°00'00.00"					
СТ	29.712	357181.947	6371356.363	14.000	270°00'00.00"								
TC	32.712	357178.947	6371356.363	14.000	270°00'00.00"								
IP 5	33.498	357177.947	6371356.363	14.000		R = 1.000	1.571	90°00'00.00"					
СТ	34.283	357177.947	6371357.363	14.000	0°00'00.00"								

			BASIN	02 SETO	UT POINTS			
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	357191.998	6371450.369	15.000				
IP 2	0.785	357191.998	6371451.369	15.000		R = 1.000	1.571	90°00'00.00"
СТ	1.571	357192.998	6371451.369	15.000	90°00'00.00"			
TC	4.571	357195.998	6371451.369	15.000	90°00'00.00"			
IP 3	5.356	357196.998	6371451.369	15.000		R = 1.000	1.571	90°00'00.00"
СТ	6.142	357196.998	6371450.369	15.000	180°00'00.00"			
TC	28.142	357196.998	6371428.369	15.000	180°00'00.00"			
IP 4	28.927	357196.998	6371427.369	15.000		R = 1.000	1.571	90°00'00.00"
СТ	29.712	357195.998	6371427.369	15.000	270°00'00.00"			
TC	32.712	357192.998	6371427.369	15.000	270°00'00.00"			
IP 5	33.498	357191.998	6371427.369	15.000		R = 1.000	1.571	90°00'00.00"
СТ	34.283	357191.998	6371428.369	15.000	0°00'00.00"			

	BASIN 03 SETOUT POINTS										
PT	CHAINAGE	EASTING	NORTHING	HEIGHT							
IP 1	0.000	357193.586	6371511.164	17.600							
IP 2	5.000	357198.586	6371511.164	17.600							
IP 3	27.000	357198.586	6371489.164	17.600							
IP 4	32.000	357193.586	6371489.164	17.600							

	SWALE 01 HORIZONTAL POINTS										
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE			
IP 1	0.000	357191.437	6371384.753	17.650	60°24'06.16"						
TC	9.152	357199.395	6371389.274	16.791	60°24'06.16"						
IP 2	13.937	357203.702	6371391.721	16.683		R = 15.000	9.570	36°33'13.42"			
СТ	18.721	357208.620	6371391.121	16.576	96°57'19.58"						
TC	141.887	357330.880	6371376.206	14.138	96°57'19.58"						
IP 3	175.482	357364.877	6371372.058	11.975		R = 140.550	67.190	27°23'24.91"			
IP 4	209.077	357393.155	6371352.735	10.487	124°20'44.49"		·				

	SWALE 02 HORIZONTAL POINTS											
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE				
IP 1	0.000	357203.188	6371420.045	18.600	139°11'00.49"							
TC	7.827	357208.304	6371414.121	17.393	139°11'00.49"							
IP 2	13.355	357212.090	6371409.737	16.543		R = -15.000	11.055	42°13'40.92"				
СТ	18.882	357217.840	6371409.036	16.419	96°57'19.58"							
TC	135.066	357333.168	6371394.966	14.142	96°57'19.58"							
IP 3	173.178	357371.738	6371390.261	11.975		R = 159.450	76.225	27°23'24.91"				
IP 4	211.291	357403.819	6371368.340	10.508								
IP 5	211.291	357403.819	6371368.340	10.508	124°20'41.41"							

SWALE 03 HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	357260.048	6371420.446	16.200	94°47'24.31"			
TC	97.519	357357.227	6371412.303	14.273	94°47'24.31"			
IP 2	100.307	357360.037	6371412.067	14.218		R = 15.000	5.576	21°17'57.30"
СТ	103.096	357362.571	6371410.827	14.163	116°05'21.61"			
IP 3	106.273	357365.425	6371409.429	14.100	116°05'21.61"			

			SWALE 0	4 HORIZO	NTAL POINT	S		
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	357260.048	6371420.446	16.200	82°02'54.20"			
TC	24.032	357283.849	6371423.771	16.037	82°02'54.20"			
IP 2	28.211	357288.247	6371424.385	16.009		R = -10.000	8.357	47°53'04.87"
СТ	32.390	357290.740	6371428.059	15.981	34°09'49.33"			
TC	78.074	357316.395	6371465.860	15.671	34°09'49.33"			
IP 3	80.487	357317.750	6371467.857	15.655		R = -100.000	4.825	2°45'53.30"
СТ	82.900	357319.007	6371469.917	15.639	31°23'56.03"			
TC	162.507	357360.482	6371537.866	15.100	31°23'56.03"			
IP 4	172.173	357368.030	6371550.232	15.034		R = 10.000	19.333	110°46'10.50
СТ	181.840	357376.916	6371538.789	14.969	142°10'06.53"			
TC	192.009	357383.153	6371530.758	14.900	142°10'06.53"			
IP 5	194.198	357384.517	6371529.001	14.885		R = -10.000	4.378	25°05'02.21"
СТ	196.387	357386.498	6371527.988	14.870	117°05'04.31"			
TC	207.876	357396.727	6371522.757	14.792	117°05'04.31"			
IP6	212.739	357401.144	6371520.498	14.760		R = 20.000	9.726	27°51'46.01"
СТ	217.602	357403.993	6371516.437	14.727	144°56'50.32"			
TC	232.972	357412.821	6371503.854	14.623	144°56'50.32"			
IP 7	242.262	357418.576	6371495.651	14.560		R = 20.000	18.579	53°13'29.89"
СТ	251.551	357415.451	6371486.130	14.497	198°10'20.22"			
IP8	308.918	357397.560	6371431.625	14.098	198°10'20.22"			

			BASIN	04 SETO	UT POINTS			
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANG
IP1	0.000	357389.148	6371424.286	10.400				
IP 2	0.785	357389.779	6371425.062	10.400		R = 1.000	1.571	90°00'00.0
СТ	1.571	357390.555	6371424.432	10.400	129°05'56.19"			
TC	4.571	357392.883	6371422.540	10.400	129°05'56.19"			
IP 3	5.356	357393.659	6371421.909	10.400		R = 1.000	1.571	90°00'00.0
СТ	6.142	357393.029	6371421.133	10.400	219°05'56.19"			
TC	28.142	357379.154	6371404.060	10.400	219°05'56.19"			
IP 4	28.927	357378.523	6371403.283	10.400		R = 1.000	1.571	90°00'00.0
СТ	29.712	357377.747	6371403.914	10.400	309°05'56.19"			
TC	32.712	357375.419	6371405.806	10.400	309°05'56.19"			
IP 5	33.498	357374.643	6371406.437	10.400		R = 1.000	1.571	90°00'00.0
СТ	34.283	357375.274	6371407.213	10.400	39°05'56.19"			

			SWALE 0	5 HORIZO	NTAL POINT	S		
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGL
IP1	0.000	357239.500	6371432.256	16.600	34°39'42 <u>.</u> 90"			
TC	71.400	357280.107	6371490.984	15.135	34°39'42.90"			
IP 2	78.443	357284.140	6371496.815	14.991		R = 50.000	14.086	16°08'29.10
СТ	85.486	357289.634	6371501.296	14.846	50°48'12.00"			
TC	154.129	357342.832	6371544.677	13.438	50°48'12.00"			
IP 3	162.672	357349.518	6371550.130	13.263		R = 50.000	17.086	19°34'46.42
СТ	171.216	357357.644	6371553.026	13.088	70°22'58.42"			
TC	189.984	357375.324	6371559.328	12.703	70°22'58.42"			
IP 4	196.634	357381.828	6371561.646	12.566		R = 20.000	13.299	38°05'51.87
СТ	203.283	357388.378	6371559.457	12.430	108°28'50.29"			
TC	250.859	357433.501	6371544.376	11.454	108°28'50.29"			
IP 5	251.563	357434.168	6371544.153	11.440		R = -100.000	1.408	0°48'23.77'
СТ	252.267	357434.839	6371543.939	11.425	107°40'26.52"			
IP 6	288.150	357469.028	6371533.045	8.618	107°40'26.52"			

			SWALE 0	6 HORIZO	NTAL POINT	S		
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	356944.680	6371452.538	24.200	186°43'25.06"			
TC	69.114	356936.588	6371383.899	22.127	186°43'25.06"			
IP 2	72.757	356936.142	6371380.112	22.017		R = -10.000	7.286	41°44'38.48"
СТ	76.400	356938.330	6371376.989	21.908	144°58'46.59"			
TC	109.829	356957.514	6371349.613	20.978	144°58'46.59"			
IP 3	113.994	356960.052	6371345.990	20.905		R = -10.000	8.330	47°43'28.41"
СТ	118.158	356964.440	6371345.432	20.832	97°15'18.17"			
TC	257.504	357102.670	6371327.834	18.490	97°15'18.17"			
IP 4	261.567	357106.938	6371327.291	18.449		R = -10.000	8.126	46°33'33.53"
СТ	265.630	357110.267	6371330.016	18.409	50°41'44.64"			
TC	301.842	357138.288	6371352.954	18.047	50°41'44.64"			
IP 5	305.706	357141.437	6371355.532	18.008		R = -10.000	7.729	44°17'09.72"
СТ	309.571	357141.891	6371359.576	17.969	6°24'34.93"			
TC	313.949	357142.380	6371363.927	17.926	6°24'34.93"			
IP 6	317.091	357142.826	6371367.902	17.894		R = 4.000	6.283	90°00'00.00"
СТ	320.233	357146.801	6371367.455	17.863	96°24'34.93"			
IP 7	341.512	357167.947	6371365.080	17.650	96°24'34.93"			

			SWALE 0	7 HORIZO	NTAL POINT	S		
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANG
IP1	0.000	356944.680	6371452.538	24.200	6°43'25.06"			
TC	67.003	356952.525	6371519.080	23.195	6°43'25.06"			
IP 2	70.543	356952.958	6371522.751	23.142		R = 10.000	7.080	40°34'03.3
СТ	74.083	356955.673	6371525.257	23.089	47°17'28.42"			
TC	115.948	356986.436	6371553.653	22.461	47°17'28.42"			
IP3	119.690	356989.322	6371556.317	22.405		R = 10.000	7.484	42°52'51.3
СТ	123.432	356993.249	6371556.305	22.349	90°10'19.76"			
TC	258.732	357128.548	6371555.898	20.595	90°10'19.76"			
IP 4	262.852	357132.918	6371555.885	20.544		R = 10.000	8.241	47°12'57.4
СТ	266.972	357135.877	6371552.669	20.492	137°23'17.22"			
TC	297.928	357156.835	6371529.887	20.105	137°23'17.22"			
IP 5	301.932	357159.700	6371526.772	20.055		R = 10.000	8.008	45°52'53.8
СТ	305.936	357159.459	6371522.546	20.005	183°16'11.10"			
TC	335.134	357157.794	6371493.395	19.640	183°16'11.10"			
IP6	339.998	357157.516	6371488.537	19.579		R = 150.000	9.728	3°42'56.71
СТ	344.862	357156.924	6371483.708	19.519	186°59'07.81"			
TC	385.428	357151.991	6371443.443	19.011	186°59'07.81"			
IP 7	388.633	357151.489	6371439.345	18.971		R = -4.000	6.410	91°49'07.7
СТ	391.838	357155.601	6371438.973	18.931	95°10'00.08"			
IP 8	418.343	357181.998	6371436.586	18.600	95°10'00.08"			

DETAIL DESIGN

В	100% DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.18
Α	100% DETAILED DESIGN	JSC	DB*	IG*	25.07.17
No	Revision Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date







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HYDRO ALUMINIUM KURRI KURRI PTY LTD CONTAINMENT CELL DETAILED DESIGN **SETOUT TABLE CONTAINMENT CELL AND PONDS - SHEET 1 OF 2**

A1 Drawing No: 22-18015-C033

Rev: **B**

			PAD	01 SETOU	T POINTS			
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	357261.898	6371398.171	16.745	276°57'19.58"			
IP 2	9.425	357249.986	6371399.624	16.794		R = 12.000	18.850	90°00'00.00"
СТ	18.850	357251.439	6371411.536	16.535	6°57'19.58"			
IP 3	21.242	357251.729	6371413.911	16.570				
IP 4	30.242	357242.795	6371415.001	16.702				
TC	32.635	357242.505	6371412.625	16.737	186°57'19.58"			
IP 5	42.060	357241.052	6371400.714	17.156		R = 12.000	18.850	90°00'00.00"
IP 6	51.485	357229.141	6371402.167	17.487	276°57'19.58"			

	PAD02 SETOUT POINTS											
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE				
IP 1	0.000	357170.694	6371484.842	20.614	185°27'16.09"							
IP 2	9.996	357169.439	6371471.701	20.326		R = -12.000	19.992	95°27'16.09"				
СТ	19.992	357182.640	6371471.701	19.931	90°00'00.00"							
IP 3	33.438	357196.086	6371471.701	19.460								
IP 4	38.438	357196.086	6371466.701	19.285								
TC	52.545	357181.980	6371466.701	19.834	270°00'00.00"							
IP 5	62.053	357169.810	6371466.701	20.136		R = -12.000	19.018	90°48'08.89"				
IP 6	71.562	357169.981	6371454.533	20.152	179°11'51.12"							

	RETENTION - ROAD01 TO ROAD02 S SETOUT POINTS												
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE					
IP 1	0.000	357173.675	6371400.874	19.074	276°57'19.58"								
IP 2	9.444	357161.725	6371402.332	19.418		R = -12.000	18.888	90°11'07.38"					
IP 3	18.888	357160.306	6371390.377	19.445	186°46'12.20"								

		RETEN ⁻	TION - ROAD	002 TO RC	AD01 N SET	OUT POINTS						
PT	PT CHAINAGE EASTING NORTHING HEIGHT BEARING RAD/SPIRAL A.LENGTH DEFL.ANGLE											
IP 1	0.000	357168.848	6371422.478	19.705	191°03'52.25"							
IP 2	9.855	357166.374	6371409.824	19.375		R = -12.000	19.710	94°06'32.68"				
IP 3	19.710	357179.172	6371408.263	18.891	96°57'19.58"							

	RETENTION - ROAD02 TO RAMP01 E SETOUT POINTS												
PT	PT CHAINAGE EASTING NORTHING HEIGHT BEARING RAD/SPIRAL A.LENGTH DEFL.ANGLE												
IP 1	0.000	357115.793	6371564.203	23.400	269°39'04.76"								
IP 2	5.836	357109.849	6371564.167	23.427		R = -25.000	11.673	26°45'07.09"					
IP 3	11.673	357104.557	6371561.459	23.507	242°53'57.67"								

	RETENTION - ROAD02 TO RAMP01 W SETOUT POINTS											
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE				
IP 1	0.000	357076.402	6371558.285	23.968	62°53'57.77"							
IP 2	2.006 35	357078.512	6371559.364	23.761		R = -3.000	4.012	76°37'26.51"				
CC	4.012	357077.950	6371561.667	23.576	346°16'31.26"							
IP 3	6.018	357077.388	6371563.970	23.444		R = -3.000	4.012	76°37'26.51"				
IP 4	8.024	357075.017	6371563.955	23.400	269°39'04.76"							

RETENTION - ROAD02 TO RAMP02 E SETOUT POINTS									
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE	
IP 1	0.000	357165.308	6371534.393	22.119	345°20'15.53"				
IP 2	10.770	357161.500	6371548.947	22.555		R = -12.000	21.539	102°50'34.58"	
IP 3	21.539	357148.157	6371541.999	23.070	242°29'40.95"				

	RETENTION - ROAD02 TO RAMP02 W SETOUT POINTS											
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE				
IP 1		6371551.269	23.233 62°29'41.10"									
IP 2		6371552.690	23.131		R = -5.000	5.516	63°12'23.78"					
CC	5.516	357146.998	6371555.766	23.061	359°17'17.32"							
IP 3	P 3 8.274 357146.959	6371558.843	23.040		R = -5.000	5.516	63°12'23.78"					
IP 4	11.032	357144.196	6371560.195	23.085	296°04'53.55"							

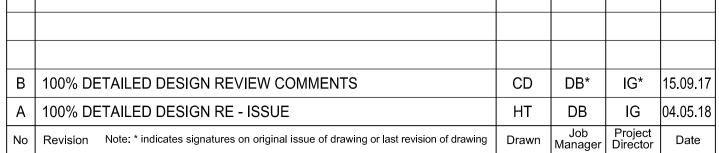
RETENTION - ROAD02 TO RAMP03 E SETOUT POINTS									
	PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
	IP 1	0.000	357121.470	6371336.229	21.285	125°15'07.01"			
	IP 2	8.466	357129.817	6371330.330	20.709		R = -12.000	16.933	80°50'52.17"
	IP 3	16.933	357136.969	6371337.632	20.451	44°24'14.84"			

	RETENTION - ROAD02 TO RAMP03 W SETOUT POINTS									
PT	CHAINAGE	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE			
IP 1			6371321.859	21.859 21.089	74°16'53.79"					
IP 2			6371322.714	21.144		R = -5.000 5.630		64°30'53.39"		
CC	5.630	357113.931	6371325.824	21.335	9°46'00.40"					
IP 3	IP 3 8.445 357114.467		6371328.934	21.620		R = -5.000	5.630	64°30'53.39"		
IP 4	11.260	357111.890	6371330.755	21.954	305°15'07.01"					

	RETENTION -ROAD02 TO RAMP04 E SETOUT POINTS									
	PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE	
	IP 1	IP 1 0.000 357080.702			3.858 21.235 123°51'22.84"					
	IP 2	7.574	357087.191	6371319.505	21.129		R = -25.000	15.148	34°43'01.63"	
[IP 3	15.148	357095.005	6371319.622	21.100	89°08'21.20"				

	RETNETION - ROAD02 TO RAMP04 SETOUT POINTS									
PT	PT CHAINAGE EASTING			HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE		
IP 1			6371325.321	325.321 21.100 98°°						
IP 2			6371324.981	21.225		R = -3.000	4.040	77°09'37.64"		
CC	4.040	357053.561	6371327.215	21.599	21°01'00.48"					
IP 3	IP 3 6.060 357054.419		6371329.448	22.029		R = -3.000	4.040	77°09'37.64"		
IP 4	8.080	357052.432	6371330.782	22.321	303°51'22.84"					

DETAIL DESIGN









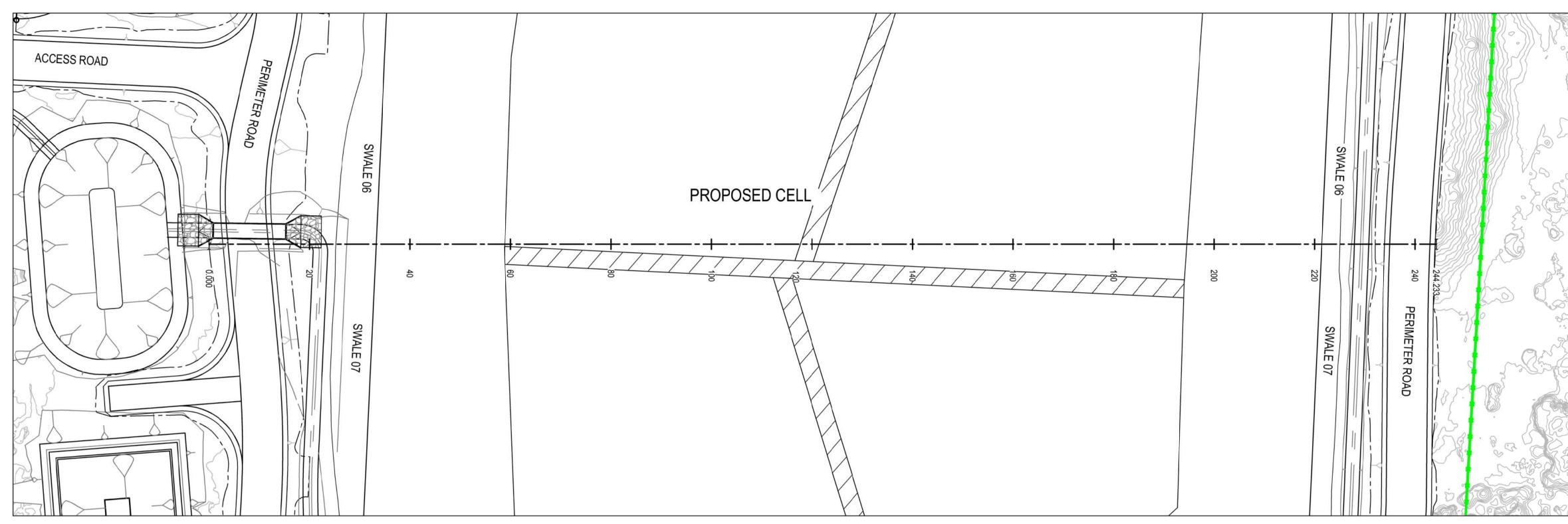
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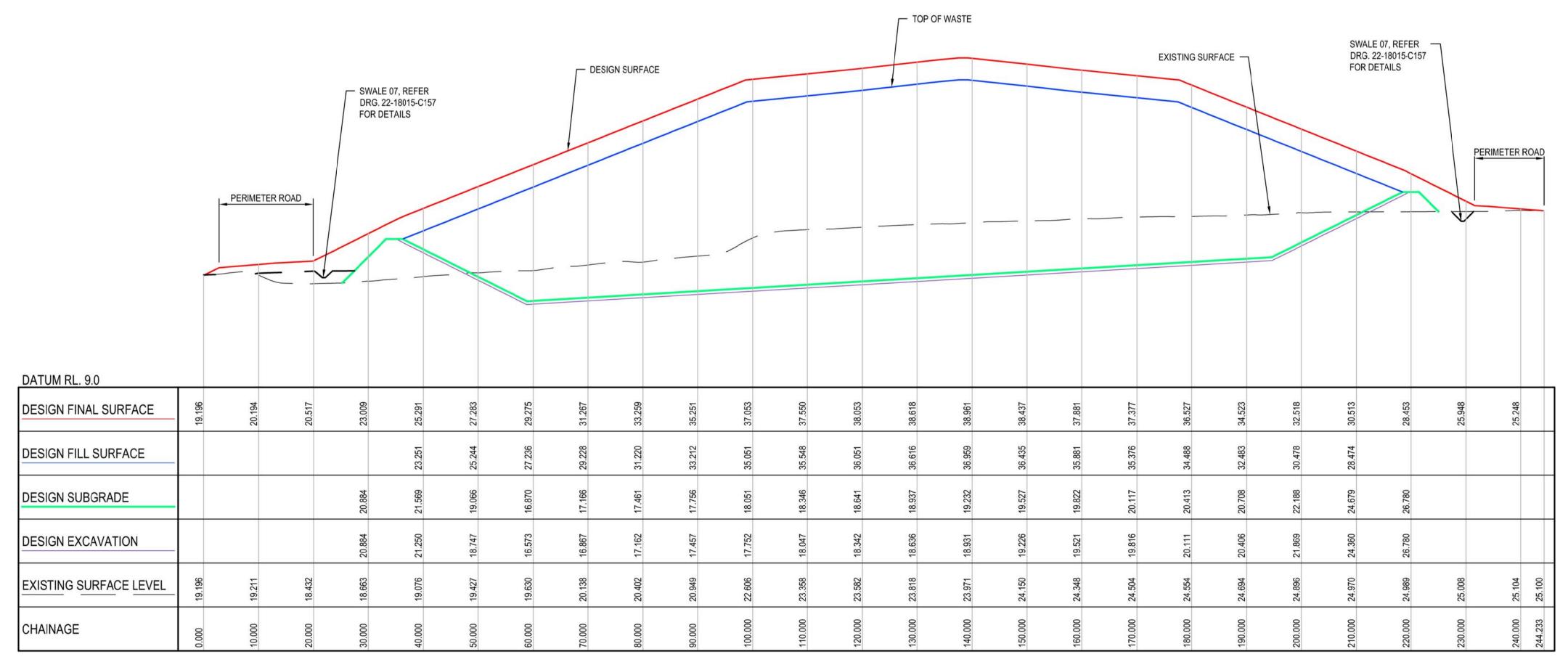
roject CONTAINMENT CELL DETAILED DESIGN

itle SETOUT TABLE
CONTAINMENT CELL AND PONDS - SHEET 2 OF 2











VERTICAL 1:250 0 2.5 5 7.5 10 12.5m AT ORIGINAL SIZE HORIZONTAL 1:500 AT ORIGINAL SIZE 0 5 10 15 20 25m

DETAIL DESIGN

Rev: **B**

В	100%DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.18
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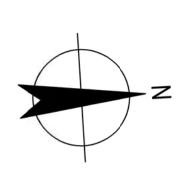


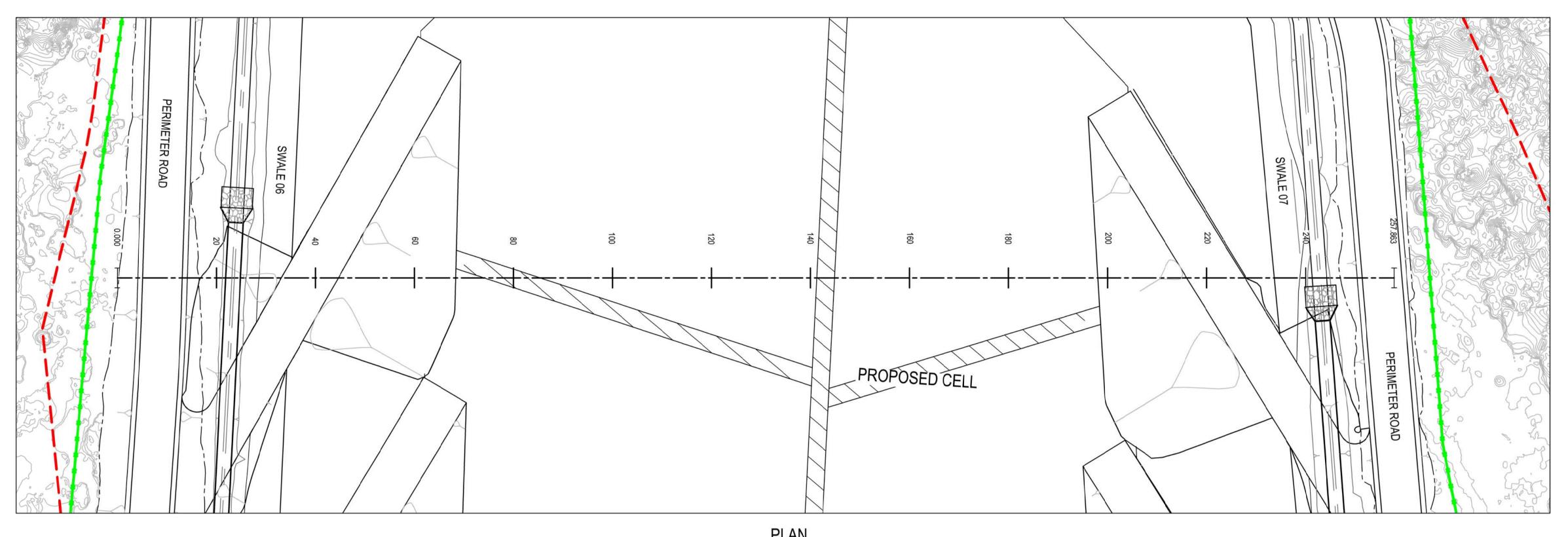
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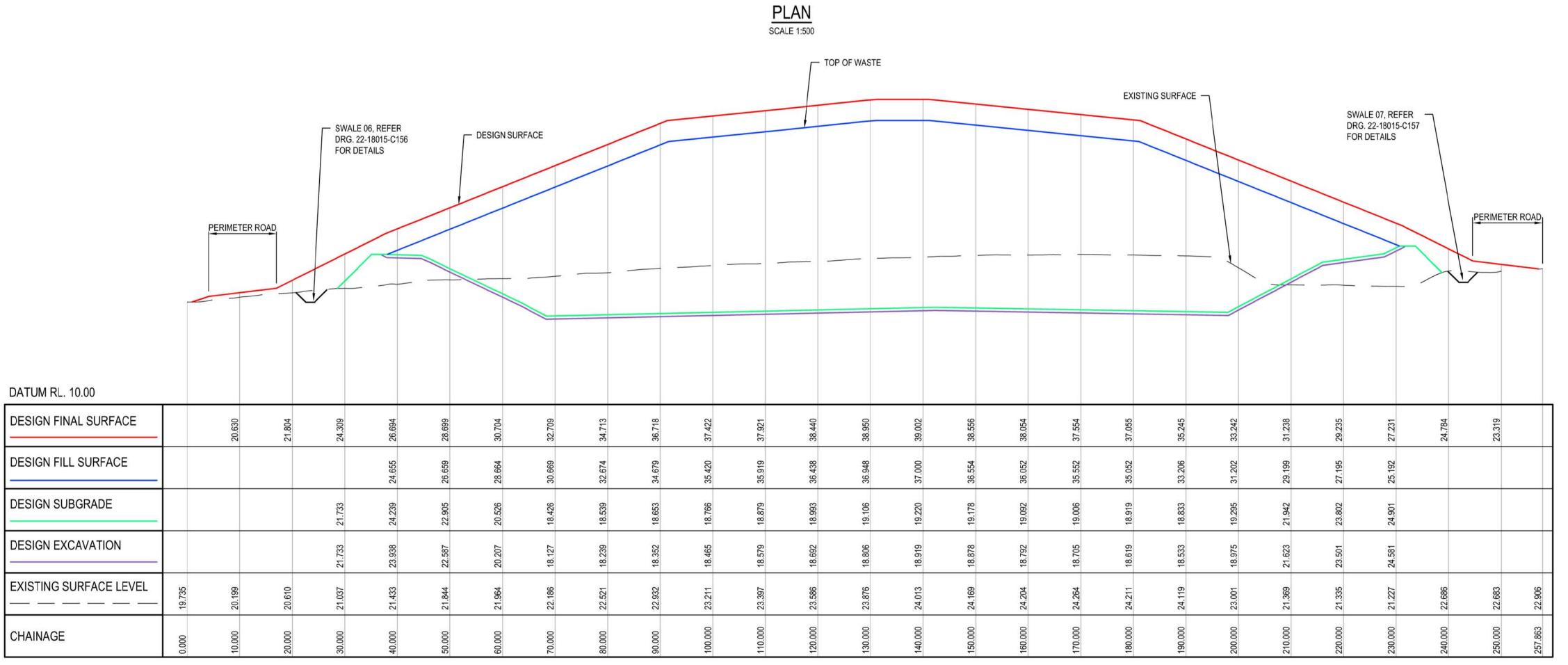
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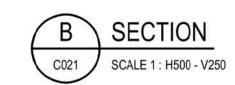
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CONTAINMENT CELL DETAILED DESIGN
SECTION A
LONGITUDINAL SECTION









VERTICAL 1:250 0 2.5 5 7.5 10 12.5m
AT ORIGINAL SIZE
HORIZONTAL 1:500
AT ORIGINAL SIZE 0 5 10 15 20 25m

DETAIL DESIGN

D	100% DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.18
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Client Project CONTAINMENT CELL DETAILED DESIGN

Title SECTION B
LONGITUDINAL SECTION

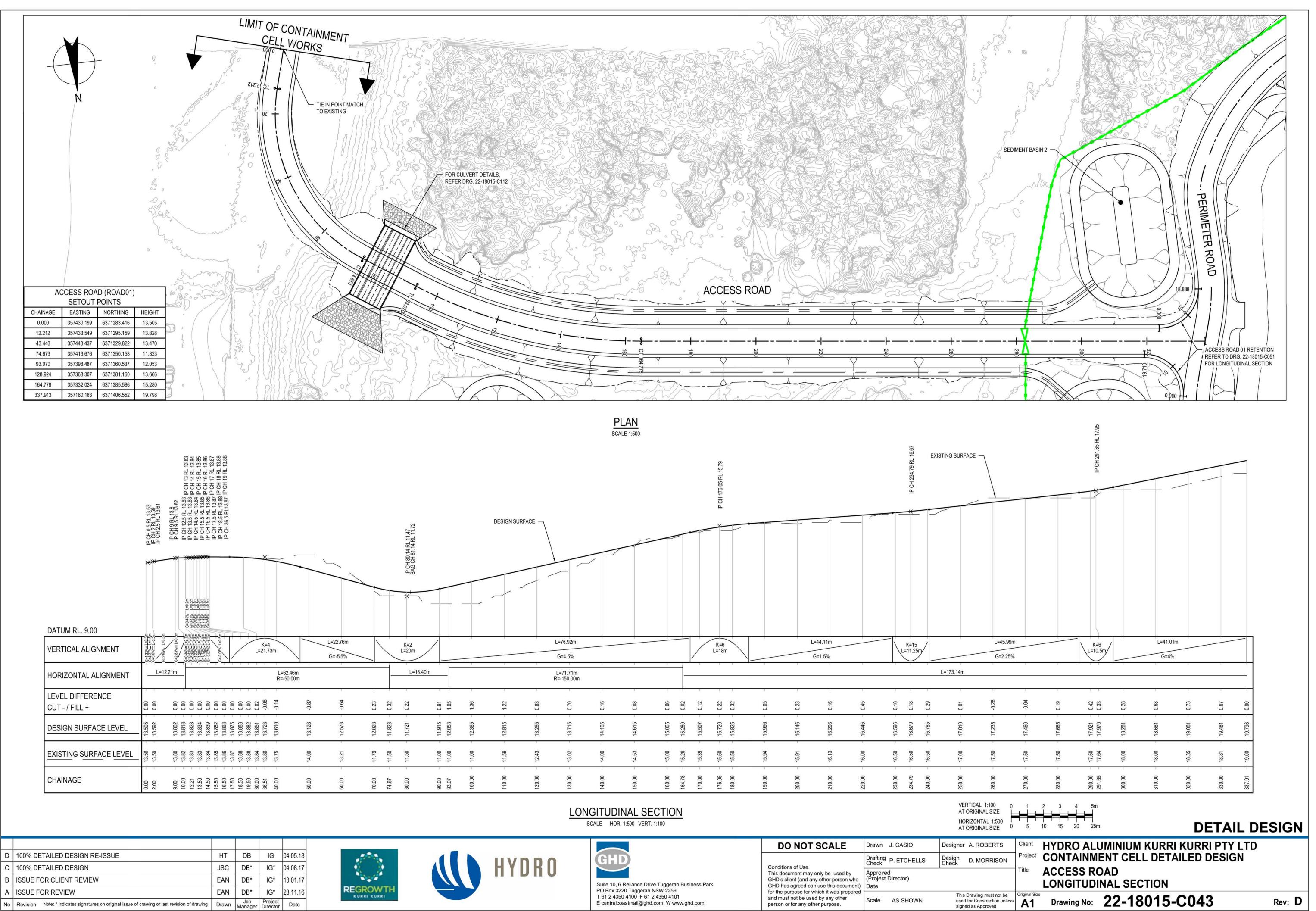
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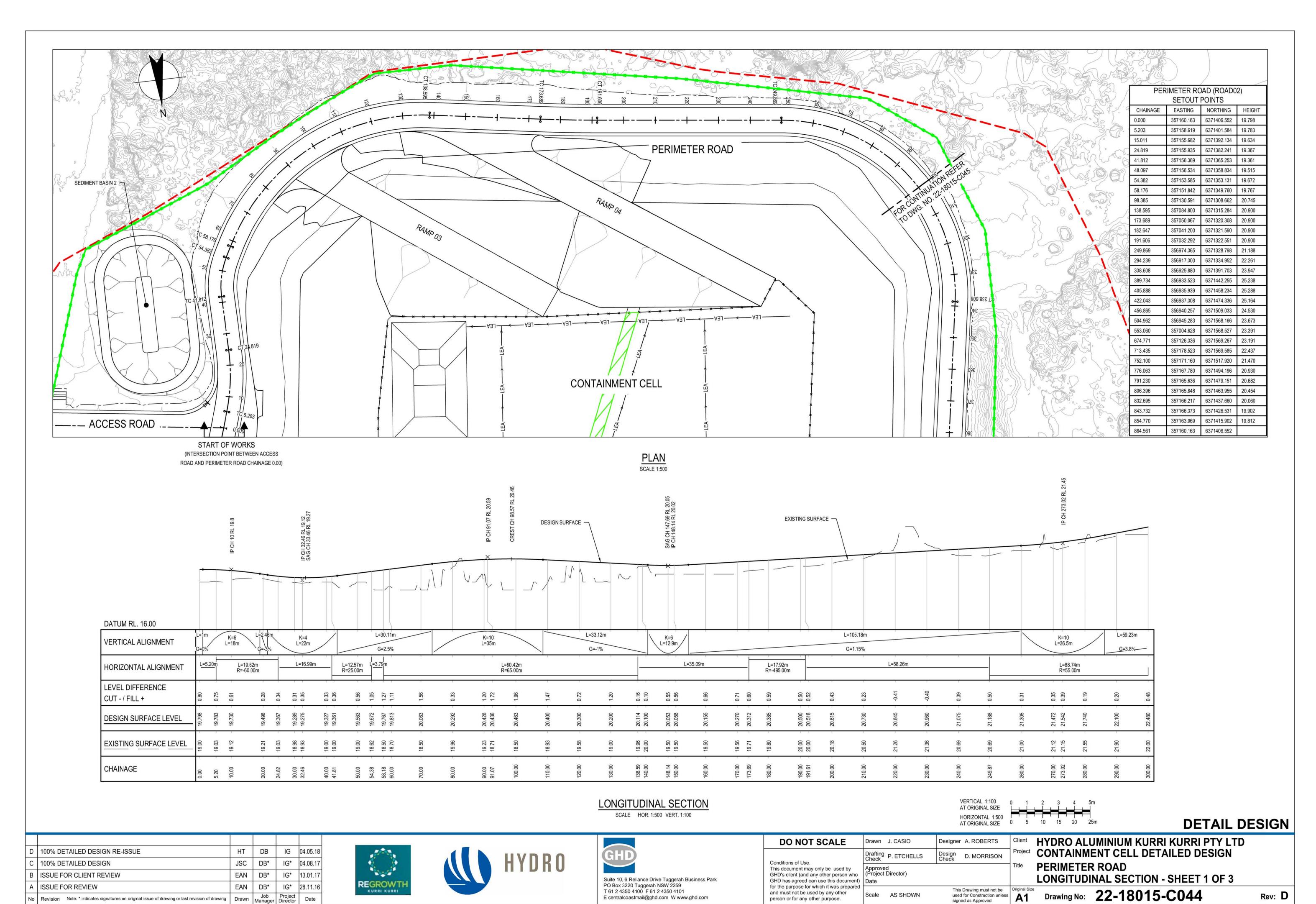
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Client HYDRO ALUMINIUM KURRI KURRI PTY LTD
CONTAINMENT CELL DETAILED DESIGN

Title SECTION B
LONGITUDINAL SECTION

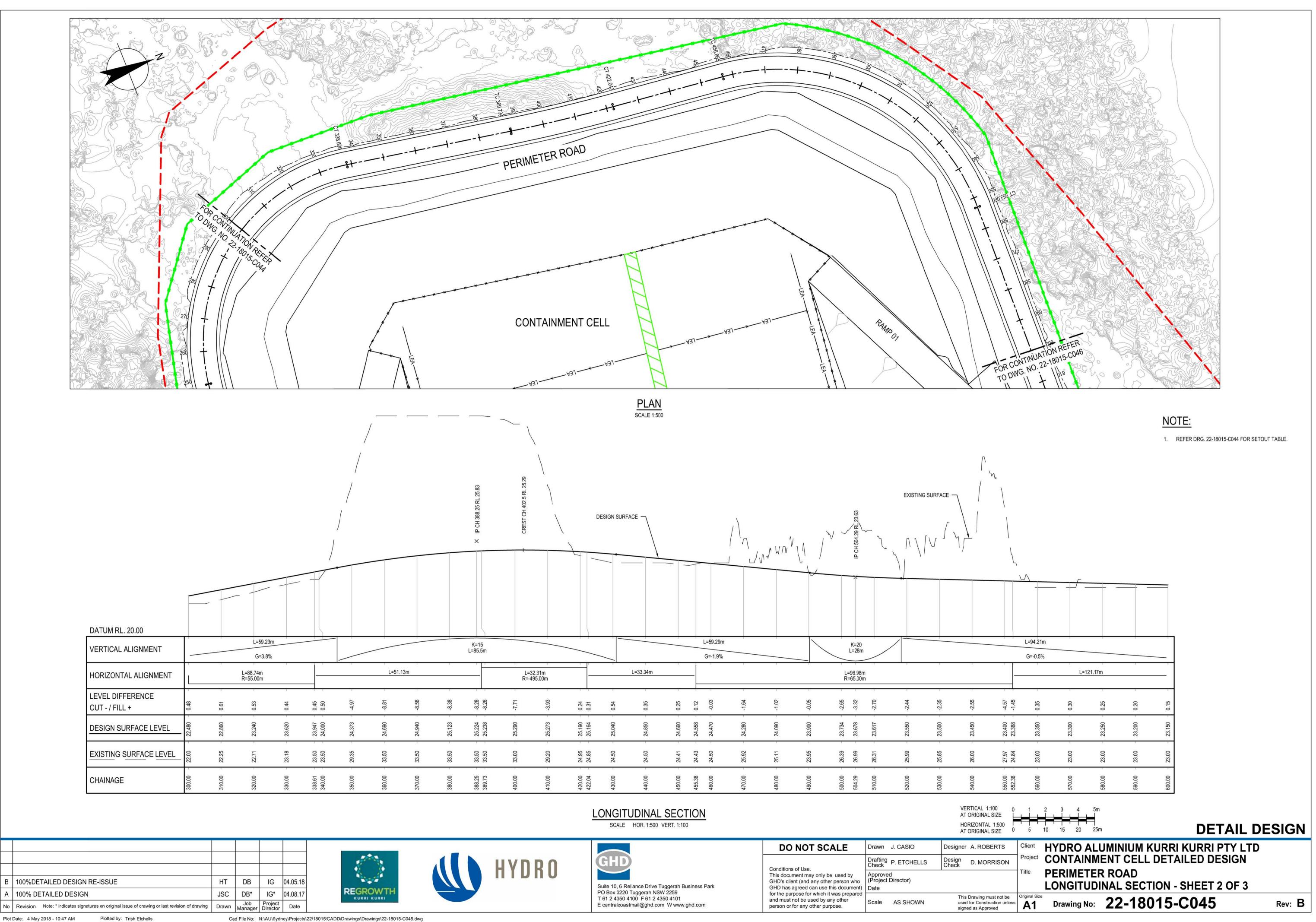
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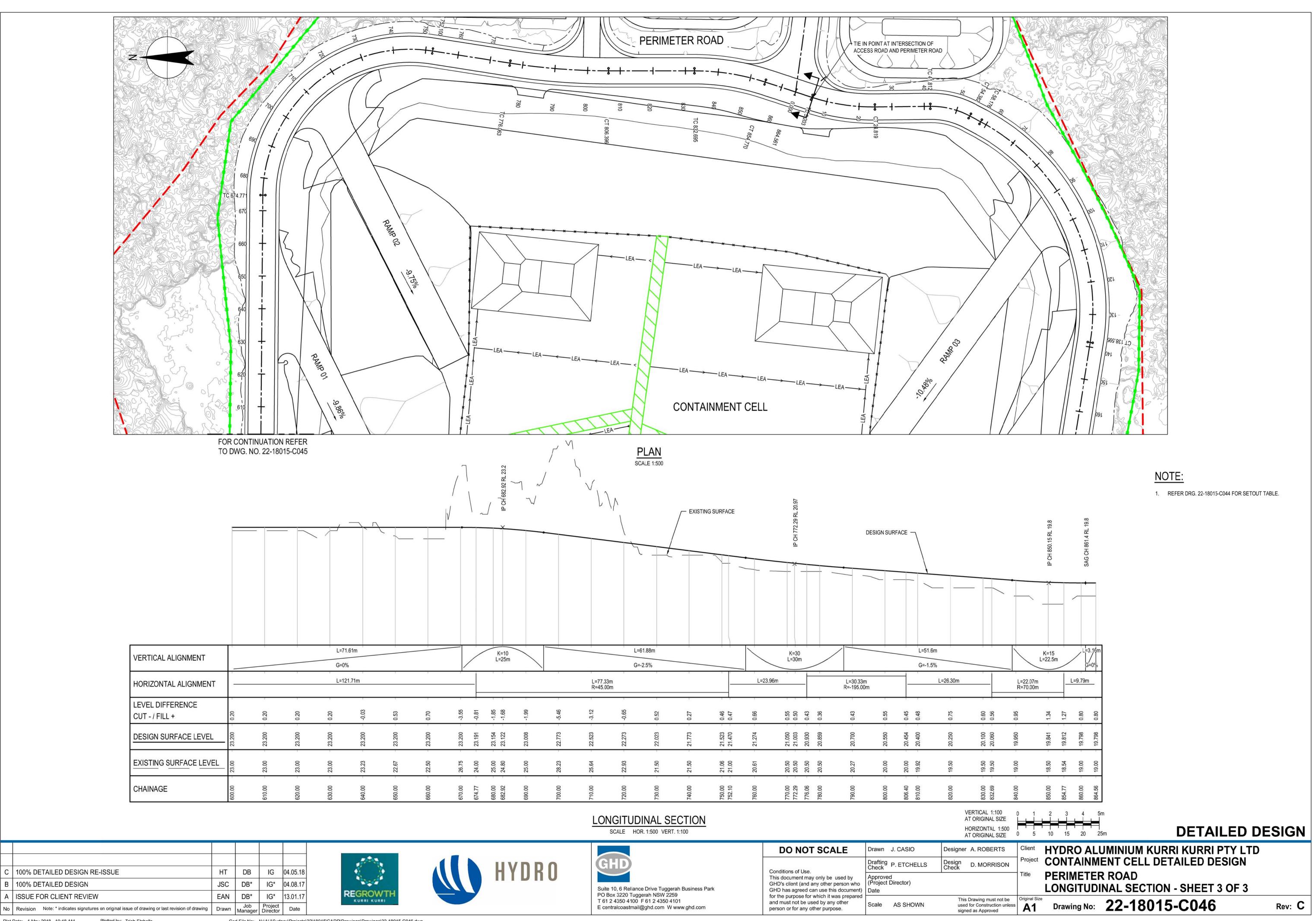




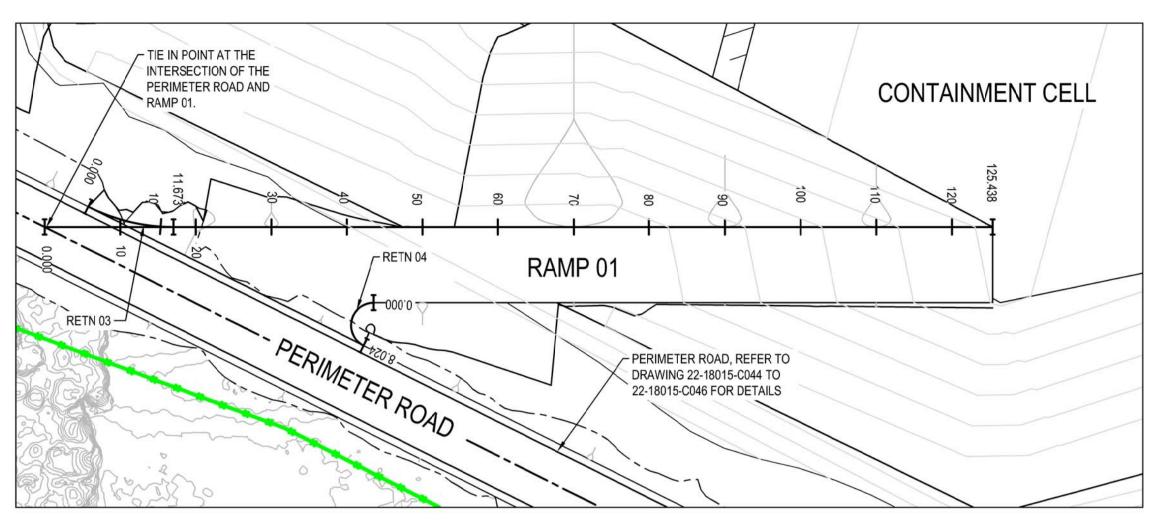
Plot Date: 4 May 2018 - 10:46 AM

Plotted by: Trish Etchells

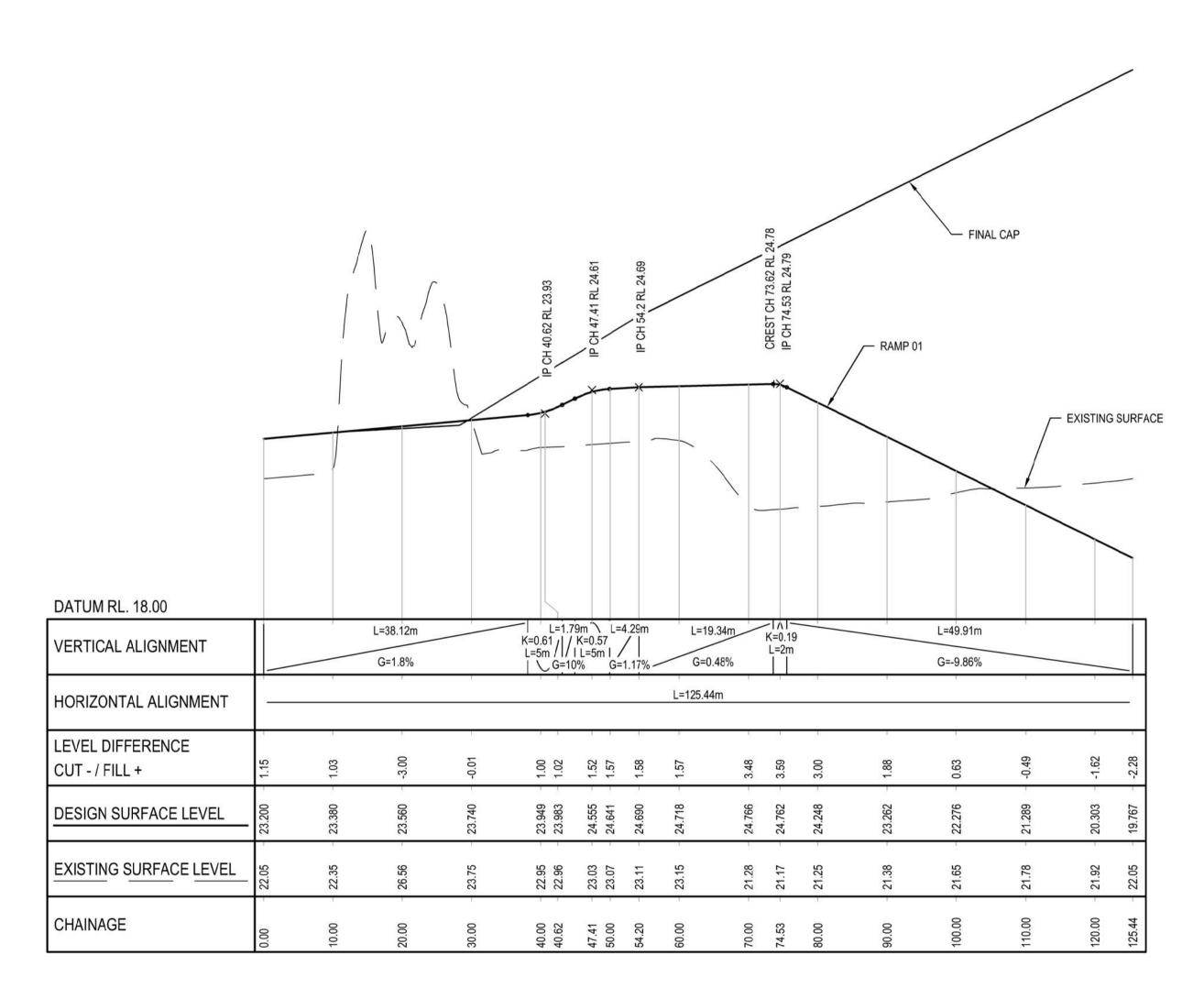






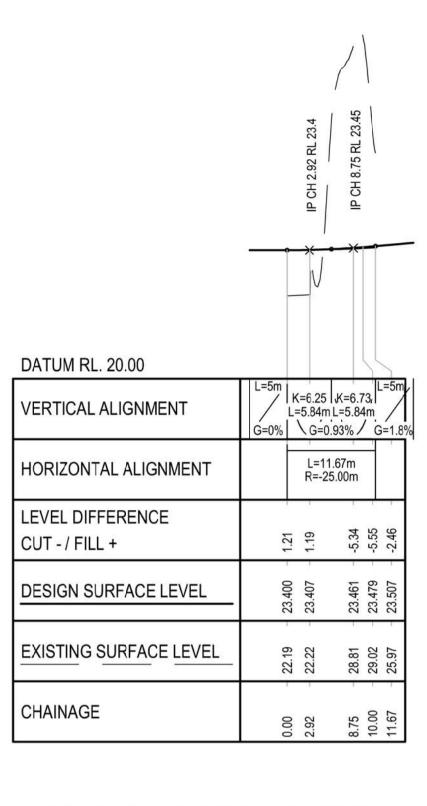


PLAN - RAMP 01 SCALE 1:500



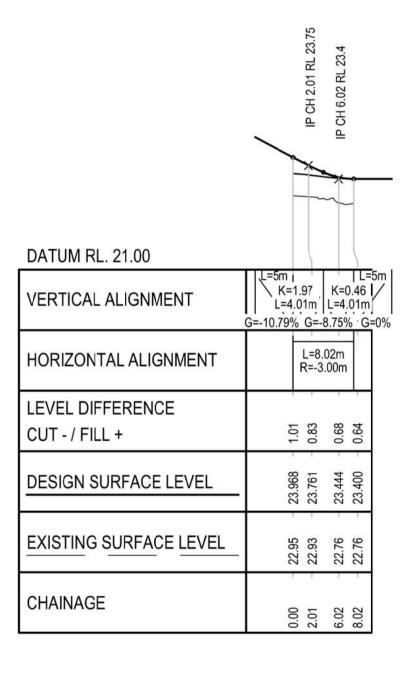
LONGITUDINAL SECTION - RAMP 01

SCALE HOR. 1:500 VERT. 1:100



RETURN 03 SETOUT POINTS					
CHAINAGE	EASTING	NORTHING	HEIGHT		
0.000	357115.793	6371564.203	23.400		
5.836	357109.849	6371564.167	23.427		
11.673	357104.557	6371561.459	23.507		

LONGITUDINAL SECTION - RETURN 03 SCALE HOR. 1:500 VERT. 1:100



RET	RETURN 04 SETOUT POINTS					
CHAINAGE EASTING NORTHING HEIGHT						
0.000	357076.402	6371558.285	23.968			
2.006	357078.512	6371559.364	23.761			
4.012	357077.950	6371561.667	23.576			
6.018	357077.388	6371563.970	23.444			
8.024	357075.017	6371563.955	23.400			

LONGITUDINAL SECTION - RETURN 04 SCALE HOR. 1:500 VERT. 1:100

VERTICAL 1:100 AT ORIGINAL SIZE

DETAIL DESIGN

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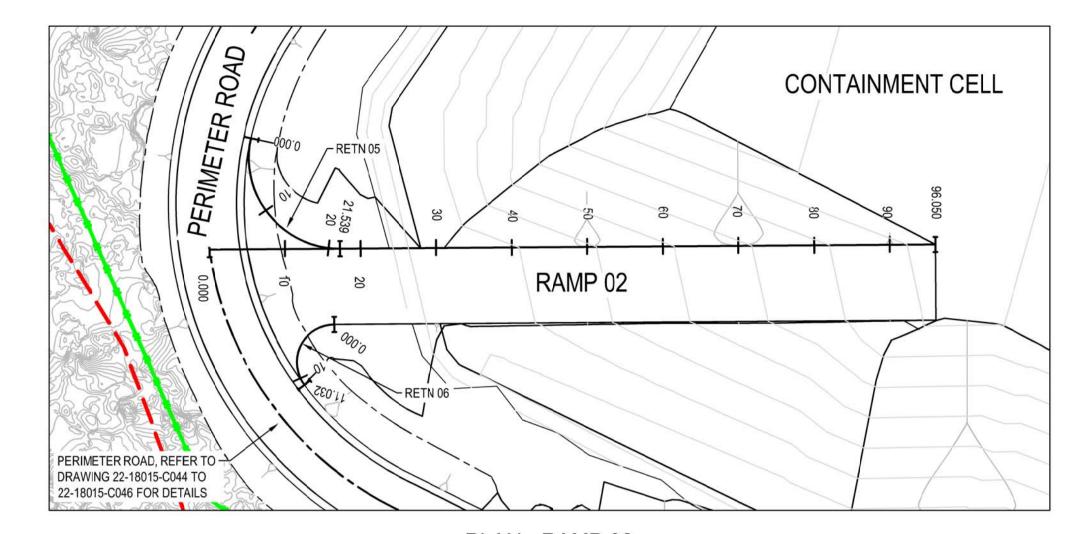
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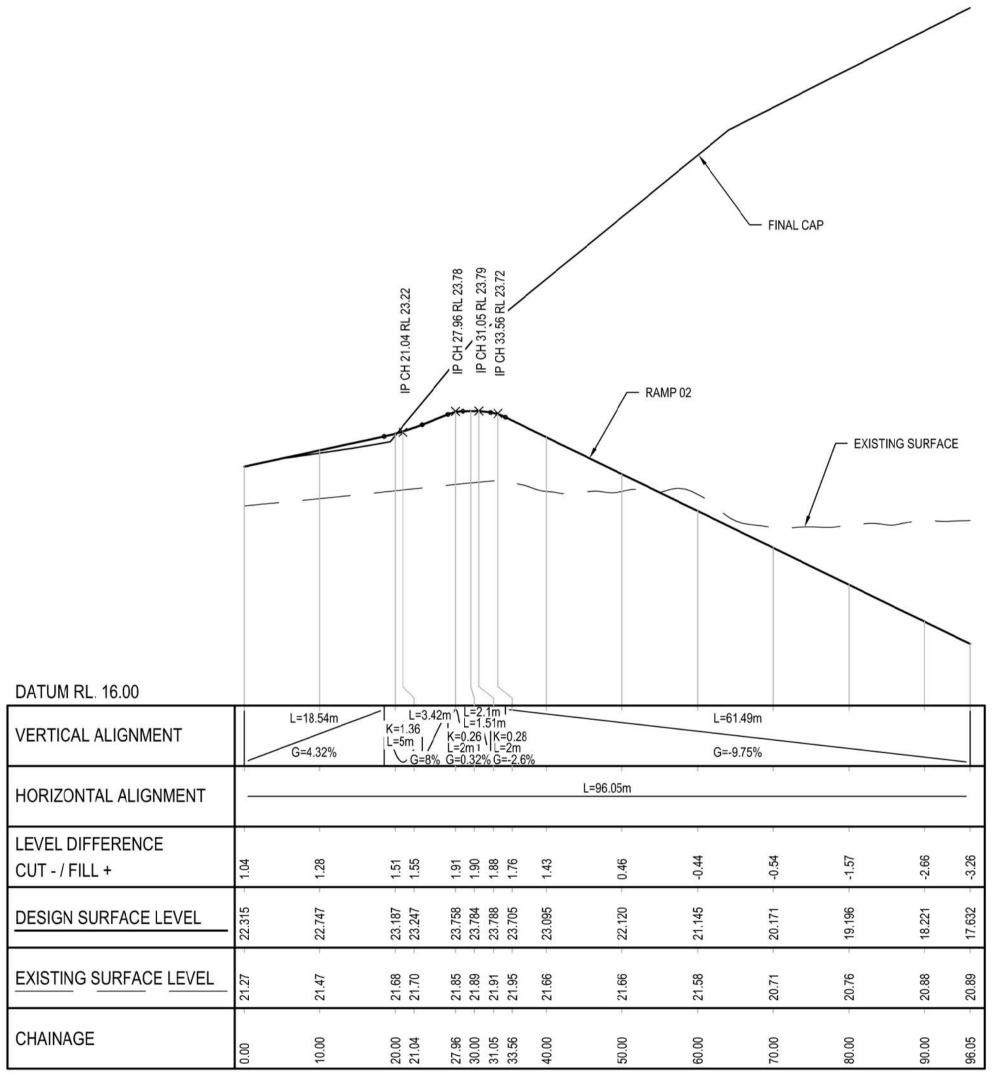
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le	RAMP01 LONGITUDINAL SECTIONS
	SHEET 1 OF 4

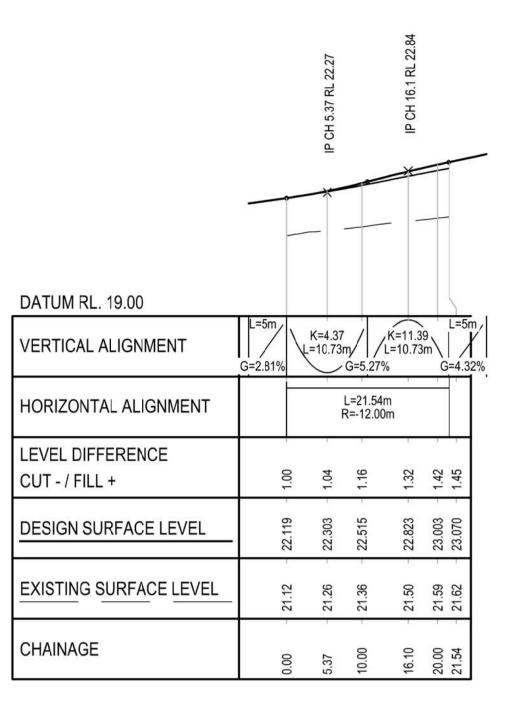




PLAN - RAMP 02



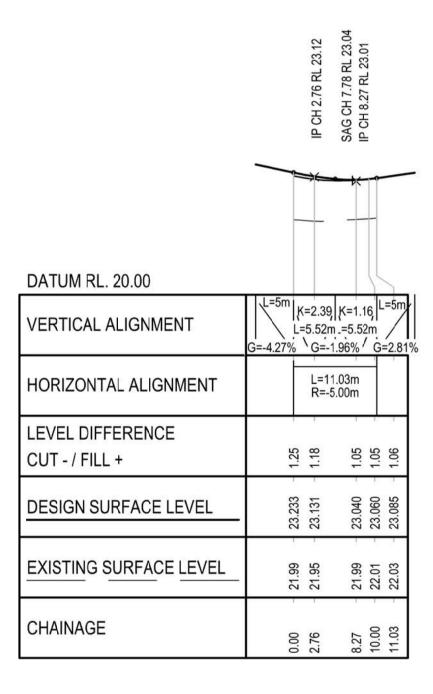
LONGITUDINAL SECTION - RAMP 02 SCALE HOR. 1:500 VERT. 1:100



RETURN 05 SETOUT POINTS					
CHAINAGE	EASTING	NORTHING	HEIGHT		
0.000	357165.308	6371534.393	22.119		
10.770	357161.500	6371548.947	22.555		
21.539	357148.157	6371541.999	23.070		
21.009	337 140.137	037 134 1.999	23.070		

LONGITUDINAL SECTION - RETURN 05

SCALE HOR. 1:500 VERT. 1:100

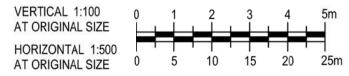


_						
	RETURN 06 SETOUT POINTS					
	CHAINAGE	EASTING	NORTHING	HEIGHT		
	0.000	357144.307	6371551.269	23.233		
	2.758	357147.036	6371552.690	23.131		
	5.516	357146.998	6371555.766	23.061		
	8.274	357146.959	6371558.843	23.040		
I	11.032	357144.196	6371560.195	23.085		

LONGITUDINAL SECTION - RETURN 06

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SCALE HOR. 1:500 VERT. 1:100



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Rev: **B**

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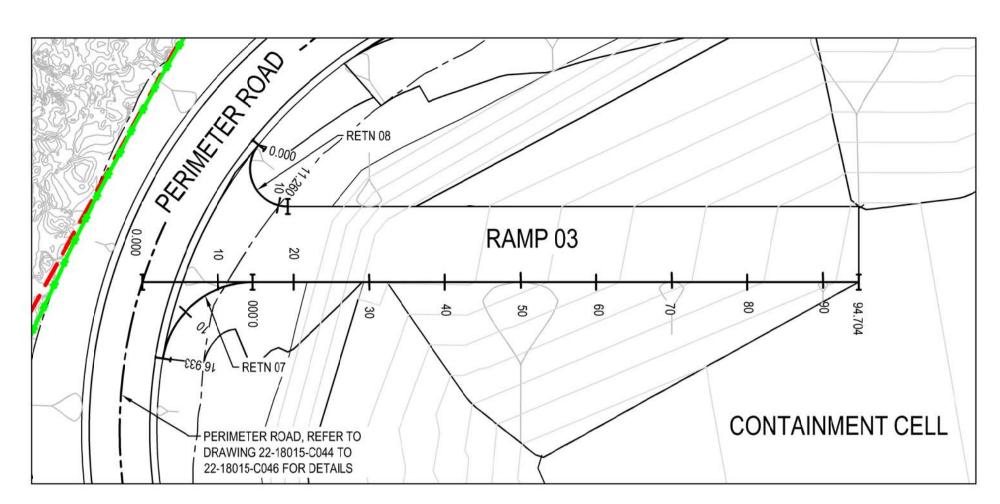
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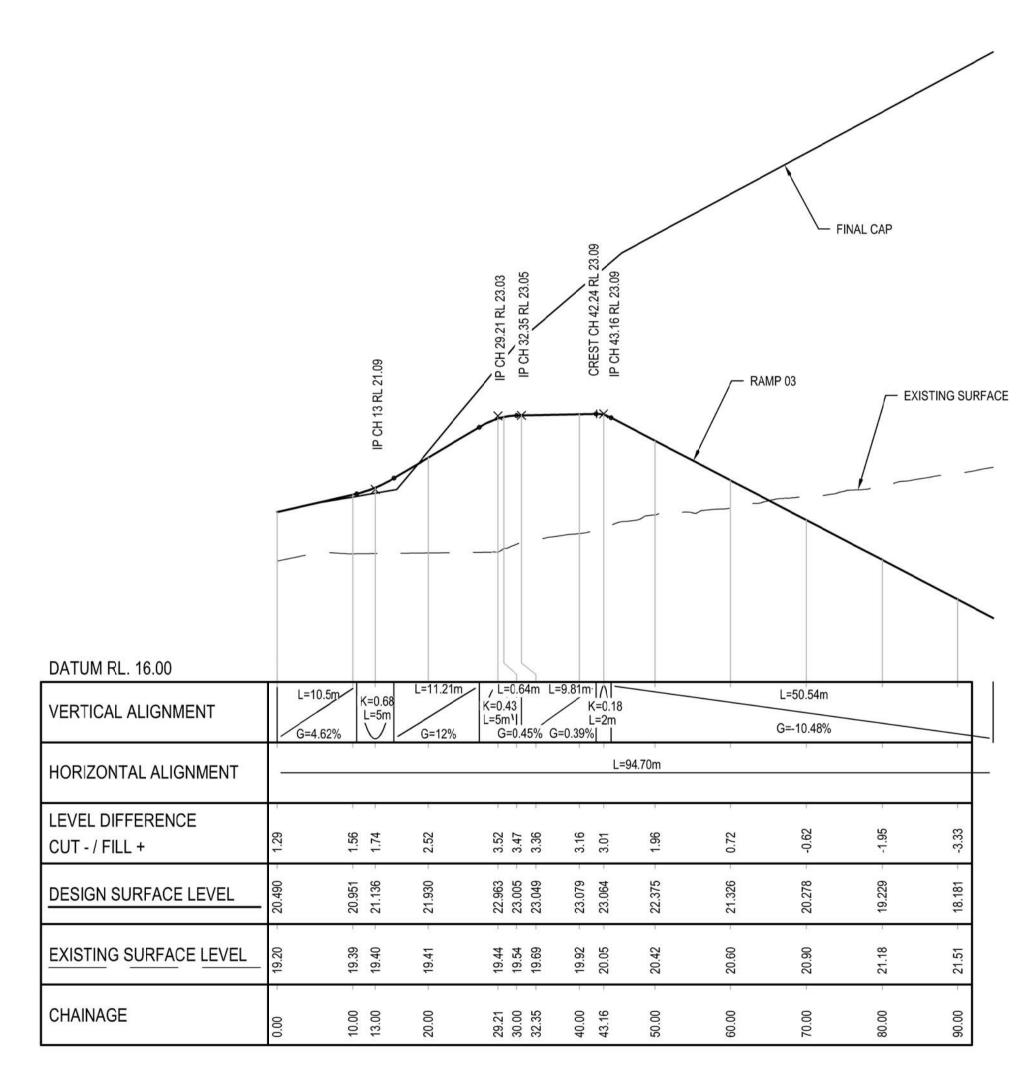
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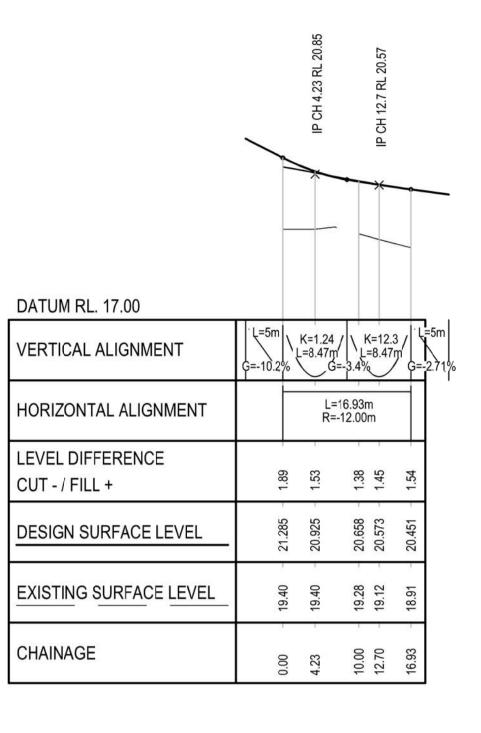




PLAN - RAMP 03 SCALE 1:500



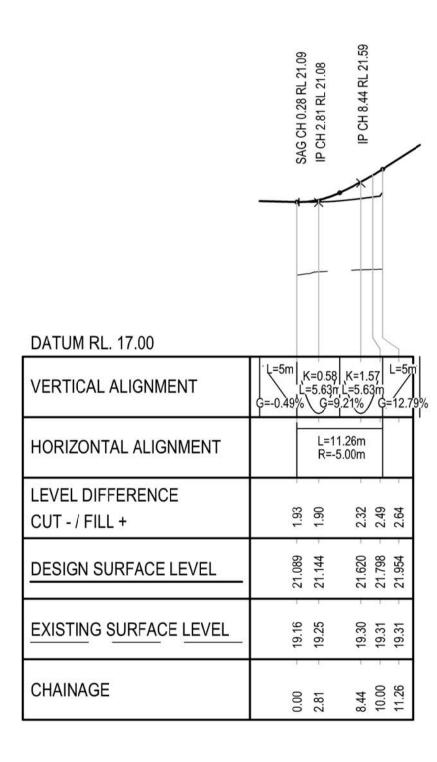
LONGITUDINAL SECTION - RAMP 03 SCALE HOR. 1:500 VERT. 1:100



RETURN 07 SETOUT POINTS						
CHAINAGE	EASTING	NORTHING	HEIGHT			
0.000	357121.470	6371336.229	21.285			
8.466	357129.817	6371330.330	20.709			
16.933	357136.969	6371337.632	20.451			

LONGITUDINAL SECTION - RETURN 07

SCALE HOR. 1:500 VERT. 1:100



RETURN 08 SETOUT POINTS						
CHAINAGE	EASTING	NORTHING	HEIGHT			
0.000	357110.358	6371321.859	21.089			
2.815	357113.396	6371322.714	21.144			
5.630	357113.931	6371325.824	21.335			
8.445	357114.467	6371328.934	21.620			
11.260	357111.890	6371330.755	21.954			

LONGITUDINAL SECTION - RETURN 08

SCALE HOR. 1:500 VERT. 1:100

VERTICAL 1:100 AT ORIGINAL SIZE HORIZONTAL 1:500 AT ORIGINAL SIZE 0

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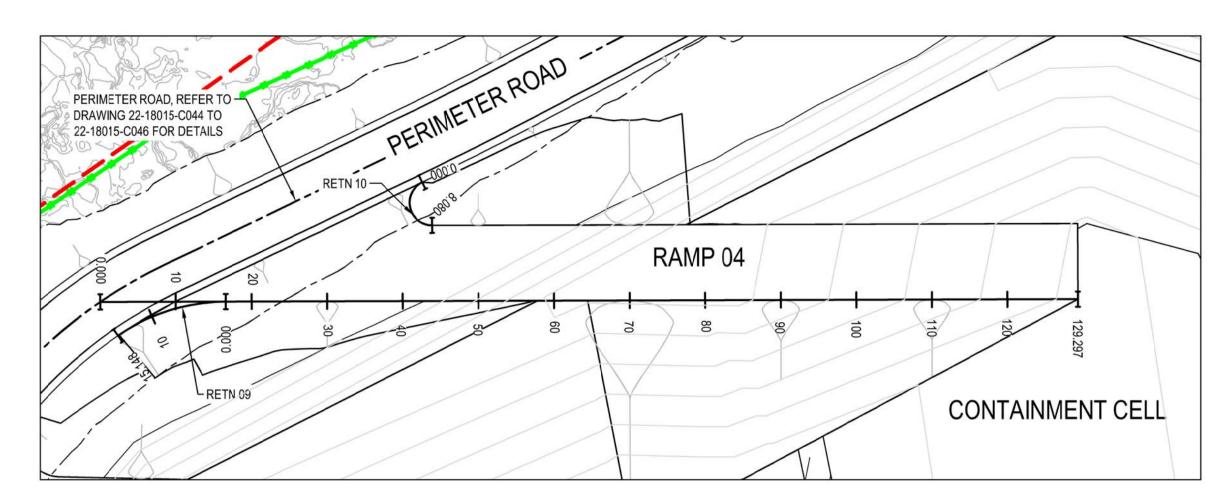


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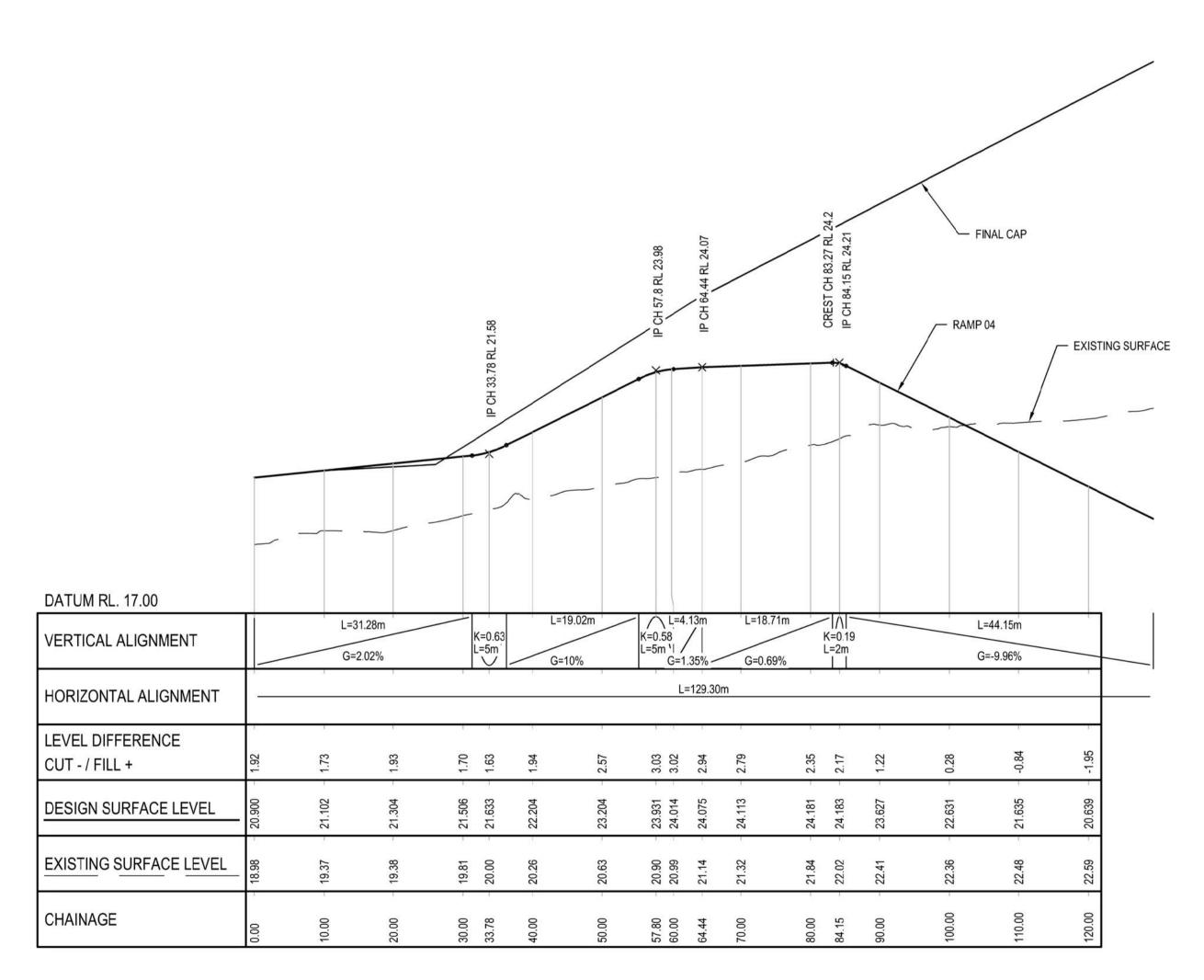
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oject	CONTAINMENT CELL DETAILED DESIGN
le	RAMP03 LONGITUDINAL SECTIONS
	SHEET 3 OF 4

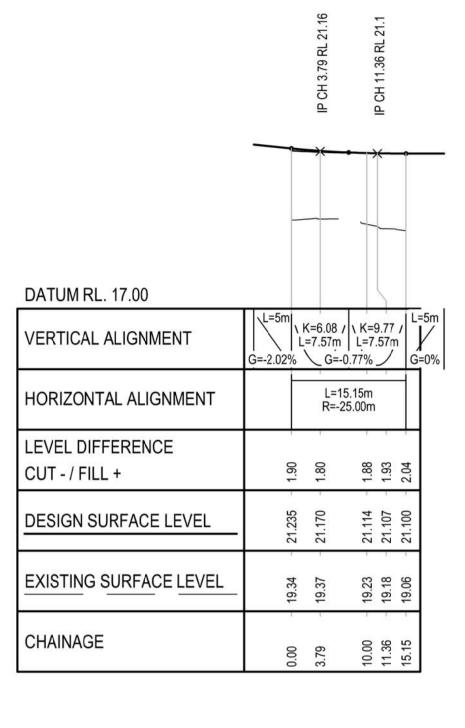




PLAN - RAMP 04 SCALE 1:500



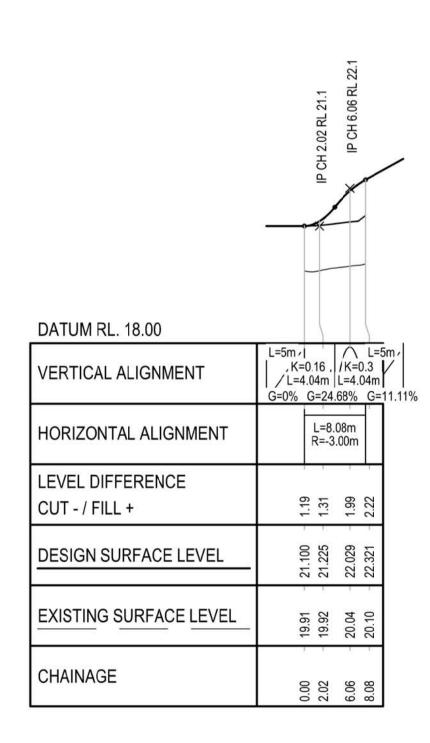
LONGITUDINAL SECTION - RAMP 04 SCALE HOR. 1:500 VERT. 1:100



RET	URN 09 SE	TOUT POINT	S
CHAINAGE	EASTING	NORTHING	HEIGHT
0.000	357080.702	6371323.858	21.235
7.574	357087.191	6371319.505	21.129
15.148	357095.005	6371319.622	21.100

LONGITUDINAL SECTION - RETURN 09

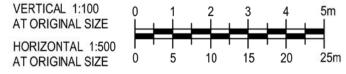
SCALE HOR. 1:500 VERT. 1:100



RET	TURN 10 SE	TOUT POINT	S
CHAINAGE	EASTING	NORTHING	HEIGHT
0.000	357050.334	6371325.321	21.100
2.020	357052.703	6371324.981	21.225
4.040	357053.561	6371327.215	21.599
6.060	357054.419	6371329.448	22.029
8.080	357052.432	6371330.782	22.321

LONGITUDINAL SECTION - RETURN 10

SCALE HOR. 1:500 VERT. 1:100



DETAIL DESIGN

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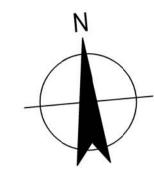


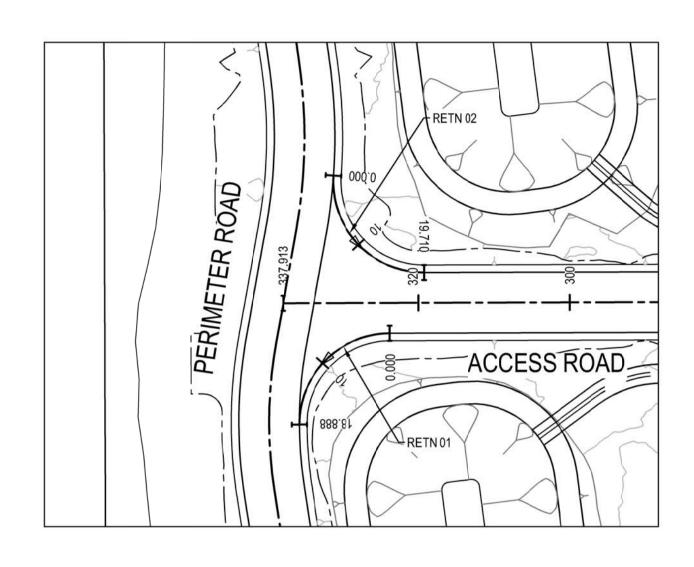


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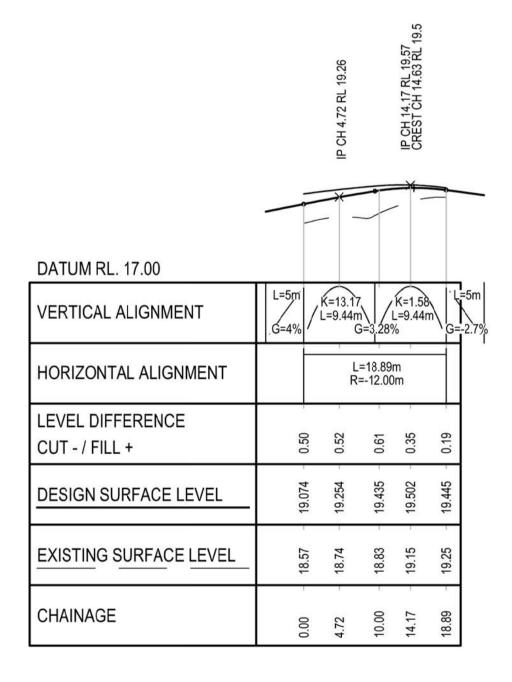
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Title	RAMP04 LONGITUDINAL SECTIONS
	SHEET 4 OF 4





PLAN SCALE 1:500

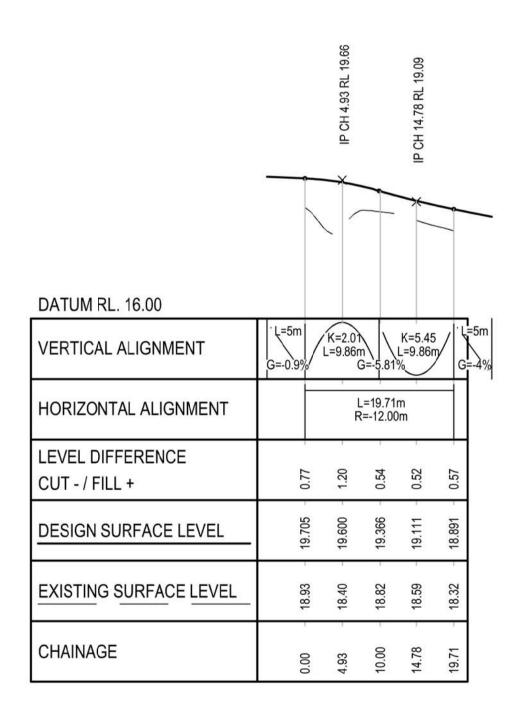


LONGITUDINAL SECTION - RETURN 01

SCALE HOR. 1:500 VERT. 1:100

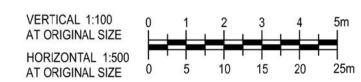
RETURN 01 SETOUT POINTS											
CHAINAGE	EASTING	NORTHING	HEIGHT								
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9.444	357161.725	6371402.332	19.418								
18.888	357160.306	6371390.377	19.445								

RETURN 02 SETOUT POINTS											
CHAINAGE	EASTING	NORTHING	HEIGHT								
0.000	357168.848	6371422.478	19.705								
9.855	357166.374	6371409.824	19.375								
19.710	357179.172	6371408.263	18.891								



LONGITUDINAL SECTION - RETURN 02

SCALE HOR. 1:500 VERT. 1:100



DETAIL DESIGN

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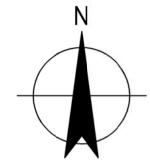


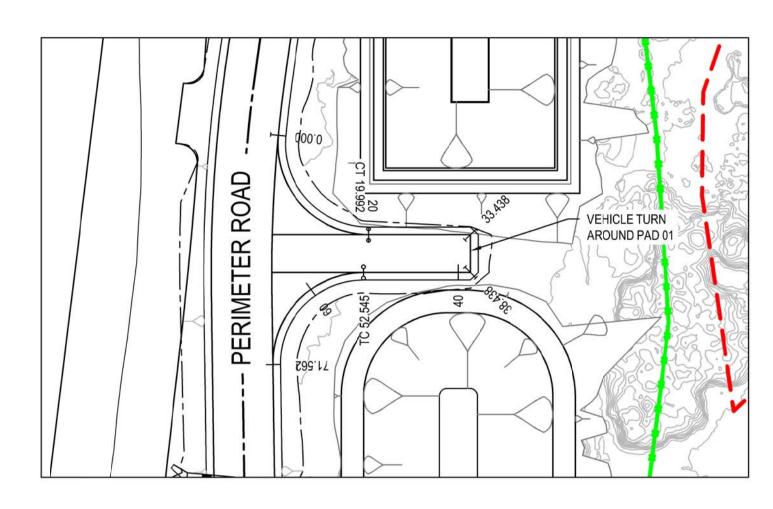




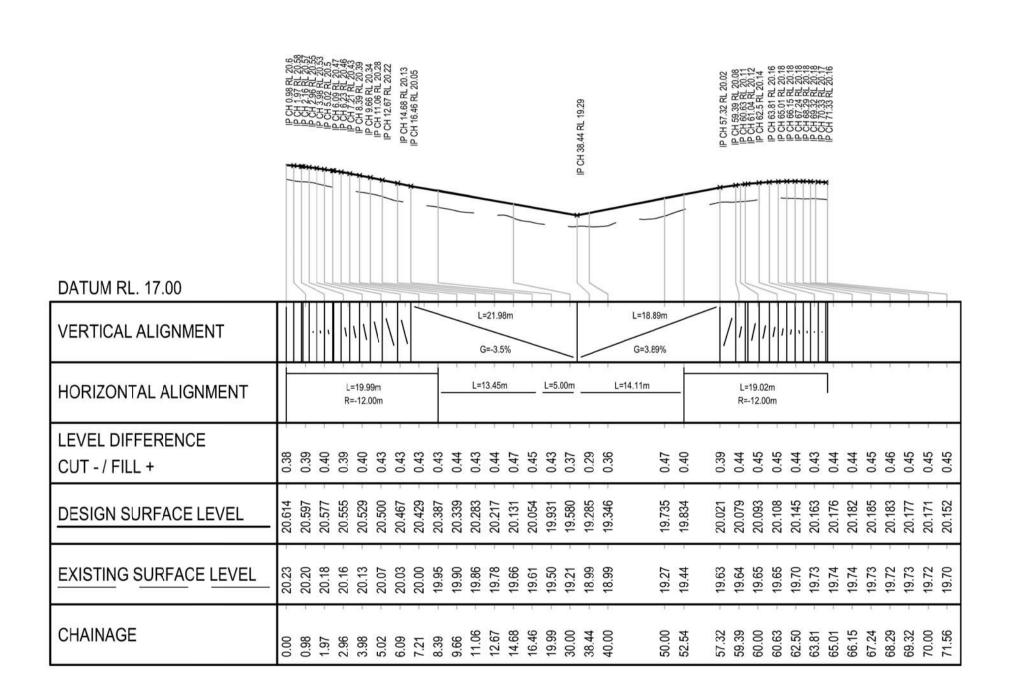
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HYDRO ALUMINIUM KURRI KURRI PTY LTD Project CONTAINMENT CELL DETAILED DESIGN **ACCESS ROAD RETURN** LONGITUDINAL SECTION rawing must not be Original Size





<u>PLAN - PAD 01</u>



Р	AD01 SETO	UT POINTS	
CHAINAGE	EASTING	NORTHING	HEIGHT
0.000	357170.694	6371484.842	20.614
9.996	357169.439	6371471.701	20.326
19.992	357182.640	6371471.701	19.931
33.438	357196.086	6371471.701	19.460
38.438	357196.086	6371466.701	19.285
52.545	357181.980	6371466.701	19.834
62.053	357169.810	6371466.701	20.136
71.562	357169.981	6371454.533	20.152

VERTICAL 1:100 AT ORIGINAL SIZE

AT ORIGINAL SIZE 0 5 10 15 20 25m

LONGITUDINAL SECTION - PAD 01

SCALE HOR. 1:500 VERT. 1:100

В	100% DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.1
Α	100% DETAILED DESIGN	JSC	DB*	IG*	04.08.1





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DETAIL DESIGN Client HYDRO ALUMINIUM KURRI KURRI PTY LTD Project CONTAINMENT CELL DETAILED DESIGN Title VEHICLE TURN AROUND - PAD01 PLAN AND PROFILE

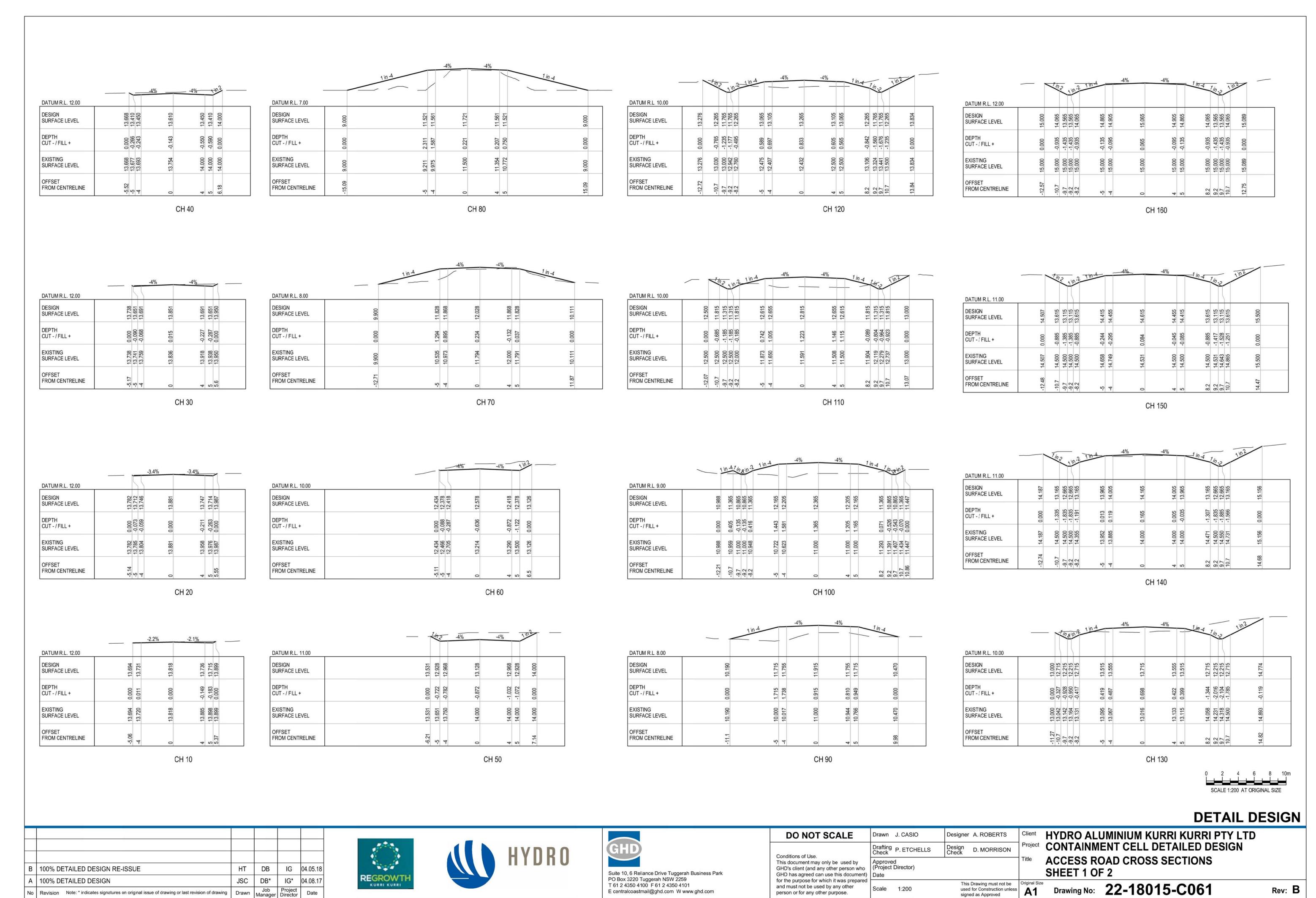
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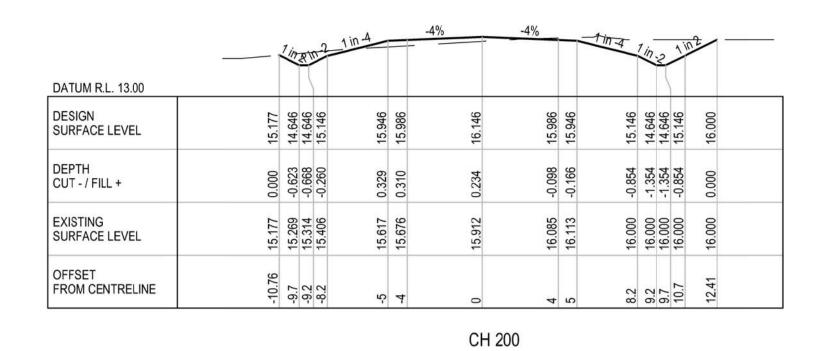
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Drawing No: 22-18015-C052

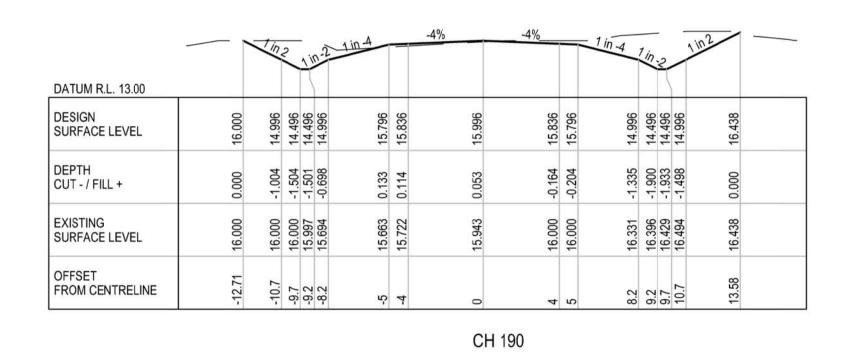
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Plot Date: 4 May 2018 - 10:55 AM



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DATUM R.L. 14.00															
DESIGN SURFACE LEVEL	16.433	15.785	15.285	15.285	15.785	16.585	16.625	16.785	16.625	16.585	15.785	15.285	15.285	15.785	16.000
DEPTH CUT - / FILL +	0.000	-0.611	-1.120	-1.141	-0.682	0.085	0.125	0.285	0.264	0.339	-0.215	-0.715	-0.715	-0.215	0.000
EXISTING SURFACE LEVEL	16.433	16.396	16.405	16.426	16.468	16.500	16.500	16.500	16.361	16.246	16.000	16.000	16.000	16.000	16.000
OFFSET FROM CENTRELINE	-12	-10.7	-9.7	-9.2	-8.2	ځ.	4	0	4	2	8.2	9.2	9.7	0	11.13



DATUM R.L. 13.00

DESIGN SURFACE LEVEL

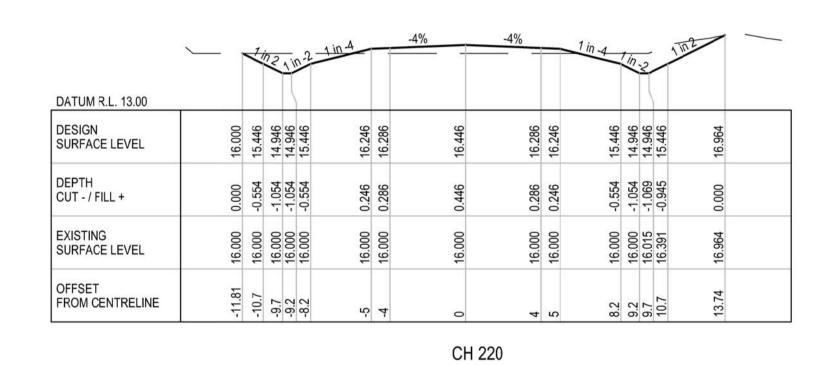
DEPTH CUT - / Fill +

EXISTING SURFACE LEVEL

OFFICIAL SURFACE

_		110	21	in -2	1 in-4		4%4%		1 in -4	in	:8	2	
DATUM R.L. 14.00													
DESIGN SURFACE LEVEL	17.260	16.460	15.960	16.460	17.260	17.300	17.460	17.260	16.460	15.960	15.960	16.460	16.788
DEPTH CUT - / FILL +	0.000	-0.820	1 225	-0.845	-0.266	-0.198	-0.155	0.033	-0.683	-1.084	-1.023	-0.379	0.000
EXISTING SURFACE LEVEL	17.260	17.280	17.292	17.305	17.526	17.499	17.615	17 129	17.143	17.044	16.983	16.840	16.788
OFFSET FROM CENTRELINE	-12.3	-10.7	-9.7	-3.2	ئ	4-	0 4	t 10	8.2	9.2	9.7	10.7	11.36
							CH 270						

	1/1	21	m-2	1 in -4		-4%		Tir	1-4	1 in	2	1 in 2	
15.179	14.023	14.325	14.825	15.625	15.665	15.825	15.665	15.625	14.825	14.325	14.325	14.823	16.480
0.000	0000	-0.838	-0.416	0.249	0.234	0.325	0.03/	-0.124	-1.263	-1.845	-1.888	-1.450	0.000
15.179	13.120	15.734	15.241	15.376	15.431	15.500	15.628	15.749	16.087	16.170	16.213	10.2/5	16.480
-11.41	10.1	-9.7	-8.2	ç.	4	0	4	2	8.2	9.2	9.7	7.01	14.01
	15.179 0.000 15.179	11 15.179 0.000 15.179 7 15.128 -0.303 14.825	15.179 0.000 15.179 15.128 -0.303 14.825 15.163 -0.838 14.325 15.231 -0.906 14.325	15.179 0.000 15.179 15.128 -0.303 14.825 15.163 -0.838 14.325 15.231 -0.906 14.325 15.241 -0.416 14.825	15.179 0.000 15.128 -0.303 15.163 -0.838 15.231 -0.906 15.241 -0.416	15.179 0.000 15.179 15.128 -0.303 14.825 15.163 -0.838 14.325 15.231 -0.906 14.325 15.241 -0.416 14.825 15.376 0.249 15.625 15.431 0.234 15.625	15.179 0.000 15.179 15.128 -0.303 14.825 15.163 -0.838 14.325 15.231 -0.906 14.325 15.241 -0.416 14.825 15.376 0.249 15.625 15.431 0.234 15.665 15.500 0.325 15.825	15.179 0.000 15.179 15.128 -0.303 14.825 15.128 -0.303 14.325 15.231 -0.906 14.325 15.241 -0.416 14.825 15.376 0.249 15.625 15.431 0.234 15.665 15.500 0.325 15.825 15.628 0.037 15.665	15.179 0.000 15.179 15.128 -0.303 14.825 15.128 -0.303 14.825 15.231 -0.906 14.325 15.241 -0.416 14.825 15.241 -0.416 14.825 15.376 0.249 15.625 15.431 0.234 15.665 15.500 0.325 15.825 15.628 0.037 15.665 15.749 -0.124 15.625	15.179 0.000 15.179 15.128 -0.303 14.825 15.128 -0.303 14.825 15.231 -0.906 14.325 15.241 -0.416 14.825 15.241 -0.416 14.825 15.376 0.249 15.625 15.431 0.234 15.665 15.500 0.325 15.825 15.628 0.037 15.665 15.749 -0.124 15.625 16.087 -1.263 14.825	15.179 0.000 15.179 15.128 -0.303 14.825 15.163 -0.838 14.325 15.231 -0.906 14.325 15.241 -0.906 14.325 15.241 -0.416 14.825 15.376 0.249 15.625 15.376 0.234 15.665 15.500 0.325 15.825 15.628 0.037 15.665 15.749 -0.124 15.625 16.087 -1.263 14.825 16.170 -1.845 14.325	15.179 0.000 15.179 15.128 -0.303 14.825 15.163 -0.838 14.325 15.231 -0.906 14.325 15.241 -0.416 14.825 15.241 -0.416 14.825 15.376 0.249 15.625 15.431 0.234 15.665 15.500 0.325 15.825 15.628 0.037 15.665 16.087 -1.263 14.825 16.170 -1.845 14.325 16.213 -1.888 14.325 16.213 -1.888 14.325	15.179 0.000 15.179 15.128 -0.303 14.825 15.163 -0.838 14.325 15.231 -0.906 14.325 15.241 -0.416 14.825 15.241 0.249 15.625 15.431 0.234 15.665 15.500 0.325 15.825 15.749 -0.124 15.665 16.087 -1.263 14.825 16.170 -1.845 14.325 16.213 -1.845 14.325 16.275 -1.450 14.825



_	_ 7	110	2	in	2 1 in-A		_4%4%		1 in .	4_	1 in	.2.	110	2	
DATUM R.L. 14.00															
DESIGN SURFACE LEVEL	16.946	16.235	15.735	15.735	17.035	17.075	17.235	17.073	17.035	16.235	15.735	15.735	16.235	17.128	
DEPTH CUT - / FILL +	0.000	-0.724	-1.252	-1.259	-0.166	-0.318	-0.117	-0.100	-0.139	-0.891	-1.376	-1.370	-0.871	0.000	
EXISTING SURFACE LEVEL	16.946	16.959	16.988	16.994	17.201	17.393	17.352	17.243	17.174	17.127	17.111	17.106	17.106	17.128	
OFFSET FROM CENTRELINE	-12.12	-10.7	-9.7	-9.2	-5	4	0	4	2	8.2	9.2	9.7	10.7	12.48	
							CH 260								

	_	1/	2	110	2	1 in -4		<u>-4%</u>	6		1 in 4	1 in	-	1	n2	_
DATUM R.L. 12.00																
DESIGN SURFACE LEVEL	15.000	14.507	14.007	14.007	14.507	15.307	15.347	15.507	15.347	15.307	14.507	14 007	14.007	14.507	15.435	
DEPTH CUT - / FILL +	0.000	-0.493	-0.993	-0.993	-0.493	-0.006	-0.092	0.115	0.265	0.295	-0.701	-1 202	-1.202	-0.780	0.000	
EXISTING SURFACE LEVEL	15.000	15.000	15.000	15.000	12.000	15.313	15.440	15.392	15.083	15.012	15.208	15 210	15.215	15.287	15.435	
OFFSET FROM CENTRELINE	-11.69	-10.7	-9.7	-9.2	-8.2	င်ာ	4	0	4	5	8.2	0.0	2.6	10.7	12.56	
		181		10				CH 170								

_ 7	1	in.	8/1	2	1 in -4		-4%	_	1 in	4	1 in	2	1 in	2	
	1											_			
15.581	15.296	14.796	14.796	15.296	16.096	16.136	16.296	16.136	16.096	15.296	14.796	14.796	15.296	16.395	
0.000	-0.299	-0.827	-0.841	-0.387	0.227	0.185	0.162	0.136	-0.243	-1.204	-1.704	-1.704	-1.204	0.000	
15.581	15.595	15.623	15.637	15.683	15.869	15.952	16.134	16.000	16.339	16.500	16.500	16.500	16.500	16.395	
-11.27	-10.7	-9.7	-9.2	-8.2	ڻ	4	0	4	2	8.2	9.2	9.7	10.7	12.9	
	7 15.581 0.000 15.581	27 15.581 0.000 15.581 7 15.595 -0.299 15.296	27 15.581 0.000 15.581 7 15.595 -0.299 15.296 15.623 -0.827 14.796	27 15.581 0.000 15.581 7 15.595 -0.299 15.296 15.623 -0.827 14.796 15.637 -0.841 14.796	7 15.581 0.000 15.581 15.595 -0.299 15.296 15.623 -0.827 14.796 15.637 -0.841 14.796 15.683 -0.387 15.296	27 15.581 0.000 7 15.595 -0.299 15.623 -0.827 15.637 -0.841 15.683 -0.387 15.869 0.227	27 15.581 0.000 15.581 7 15.595 -0.299 15.296 15.623 -0.827 14.796 15.637 -0.841 14.796 15.683 -0.387 15.296 15.889 0.227 16.096 15.952 0.185 16.136	15.581 0.000 15.581 15.595 -0.299 15.296 15.637 -0.841 14.796 15.683 -0.387 15.296 15.869 0.227 16.096 15.952 0.185 16.136	15.581 0.000 15.581 7 15.595 0.299 15.296 15.623 -0.827 14.796 15.637 -0.841 14.796 15.683 -0.387 15.296 15.869 0.227 16.096 15.952 0.185 16.136 16.134 0.162 16.296	15.581 0.000 15.581 15.595 -0.299 15.296 15.623 -0.827 14.796 15.637 -0.841 14.796 15.683 -0.387 15.296 15.869 0.227 16.096 15.952 0.185 16.136 16.000 0.136 16.136 16.339 -0.243 16.096	15.581 0.000 15.581 15.595 -0.299 15.296 15.623 -0.827 14.796 15.637 -0.841 14.796 15.683 -0.387 15.296 15.869 0.227 16.096 15.952 0.185 16.136 16.000 0.136 16.136 16.339 -0.243 16.096	15.581 0.000 15.581 7 15.595 0.299 15.296 15.637 -0.841 14.796 15.683 -0.387 15.296 15.683 -0.387 15.296 15.869 0.227 16.096 15.952 0.185 16.136 16.136 16.136 16.339 -0.243 16.096 16.500 -1.204 15.296	15.581 0.000 15.581 15.623 -0.299 15.296 15.637 -0.841 14.796 15.683 -0.387 15.296 15.869 0.227 16.096 15.952 0.185 16.136 16.134 0.162 16.296 16.339 -0.243 16.096 16.500 -1.204 14.796 16.500 -1.704 14.796	15.581 0.000 15.581 15.623 -0.299 15.296 15.637 -0.841 14.796 15.683 -0.387 15.296 15.869 0.227 16.096 15.952 0.185 16.136 16.136 16.136 16.500 -1.204 14.796 16.500 -1.204 14.796 16.500 -1.204 15.296	15.581 0.000 15.581 15.623 -0.299 15.296 15.637 -0.841 14.796 15.683 -0.387 15.296 15.869 0.227 16.096 15.952 0.185 16.136 16.000 0.136 16.136 16.500 -1.204 15.296 16.500 -1.704 14.796 16.500 -1.204 15.296 16.500 -1.204 15.296 16.500 -1.204 15.296 16.500 -1.204 15.296

		<	2	1 in	2	1 in 4	-	4%	-4%		1 in -4	In	RITE	12	
DATUM R.L. 14.00															
DESIGN SURFACE LEVEL	16.515	16.010	15.510	15.510	16.010	16.810	16.850	17.010	16.850	16.810	16.010	15.510	15.510	16.010	16.325
DEPTH CUT - / FILL +	0.000	-0.564	-1.123	-1.153	-0.712	-0.100	-0.117	0.010	0.076	0.125	-0.490	-0.920	-0.879	-0.324	0.000
EXISTING SURFACE LEVEL	16.515	16.575	16.633	16.663	16.722	16.910	16.967	17.000	16.775	16.685	16.500	16.430	16.389	16.335	16.325
OFFSET FROM CENTRELINE	-11.71	-10.7	-9.7	-9.2	-8.2	5	4-	0	4	5	8.2	9.2	9.7	10.7	11.33
								CH 250							

0 2 4 6 8 10n

Rev: **B**

В	100% DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.18
Α	100% DETAILED DESIGN	JSC	DB*	IG*	04.08.17
No	Revision Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



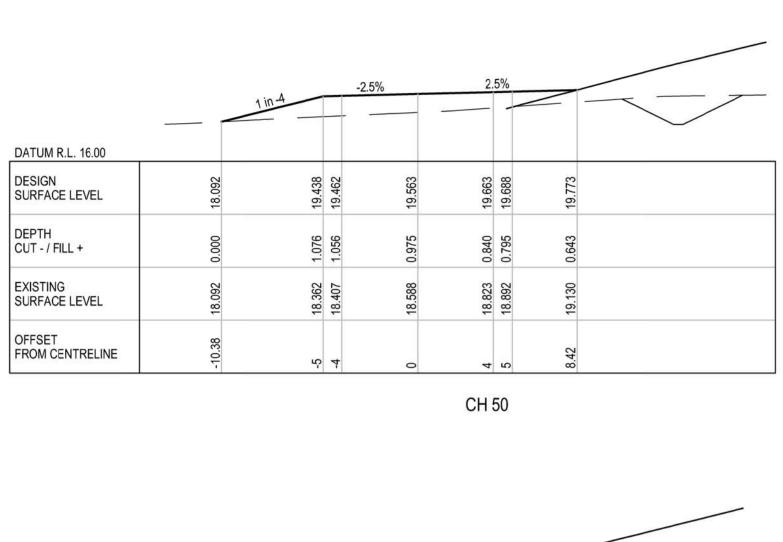


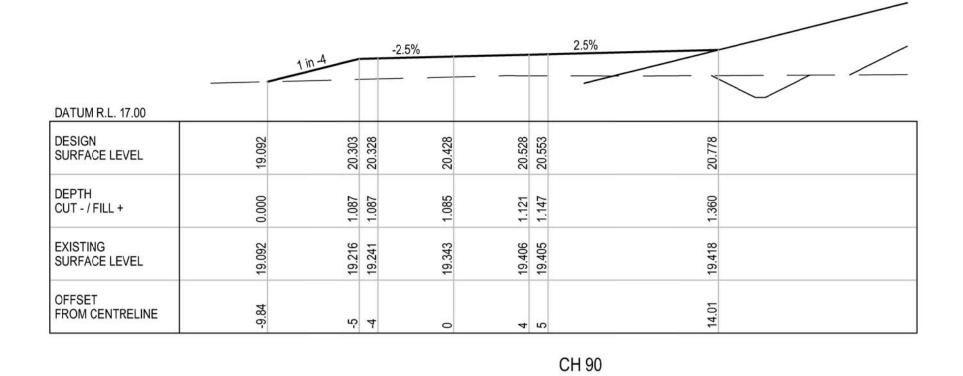
GHD
Suite 10, 6 Reliance Drive Tuggerah Business Park
PO Box 3220 Tuggerah NSW 2259
T 61 2 4350 4100 F 61 2 4350 4101

E centralcoastmail@ghd.com W www.ghd.com

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t	HYDRO ALUMINIUM KURRI KURRI PTY LTD
ct	CONTAINMENT CELL DETAILED DESIGN
	ACCESS ROAD CROSS SECTIONS
	SHEET 2 OF 2
Size	





		1 in -4		-2.5%		2.5%	%
DATUM R.L. 17.00							
DESIGN SURFACE LEVEL	18.968	20.075	20.100	20.200	20.300	20.325	20.449
DEPTH CUT - / FILL +	0.000	1.095	1.110	1.221	1.219	1.218	1.240
EXISTING SURFACE LEVEL	18.968	18.980	18.990	18.979	19.081	19.107	19.209
OFFSET FROM CENTRELINE	-9.43	ŕċ	4	0	4	5	9.95
·					C	H.	130

	1	in -4	-2.5%	2.5	5%		
DATUM R.L. 16.00							
DESIGN SURFACE LEVEL	18.409	19.202	19.227	707 04	19.452	19.508	
DEPTH CUT - / FILL +	0.000	0.643	0.620	0000	0.527	0.508	
EXISTING SURFACE LEVEL	18.409	18.560	18.607	60.00	18.925	19.000	
OFFSET FROM CENTRELINE	-8.17	5-	4 6	> -	2 4	7.22	
				С	H 4	0	

				-2.5%			2.5%	
		1 in -4	_	2.070				
DATUM R.L. 16.00								
DESIGN SURFACE LEVEL	18.459	20.167	20.192	20.292	20.392	20.417	20.637	
DEPTH CUT - / FILL +	0.000	1.482	1.474	1.442	1.410	1.402	1331	
EXISTING SURFACE LEVEL	18.459	18.685	18.718	18.850	18.982	19.015	19.305	
OFFSET FROM CENTRELINE	-11.83	\$-	4	0	4	5	13.79	
	,			'		С	H 80	,

		1 in 4		-2.5%		2.5	%	<u></u>	
DATUM R.L. 17.00									
DESIGN SURFACE LEVEL	18.812	20.175	20.200	20.300	20.400	20.425	20.544		
DEPTH CUT - / FILL +	0.000	1.235	1.243	1.276	1.308	1.317	1.352		
EXISTING SURFACE LEVEL	18.812	18.940	18.957	19.024	19.092	19.108	19.192		
OFFSET FROM CENTRELINE	-10.45	ċ.	4	0	4	5	9.76		
					Cł	1 1:	20		

	1	n-4		-2.5% 	2.5%	_		
DATUM R.L. 17.00								
DESIGN SURFACE LEVEL	18.618	19.164	19.189	19.289	19.389	19.414	19.441	
DEPTH CUT - / FILL +	0.000	0.495	0.496	0.444	0.416	0.393	0.388	
EXISTING SURFACE LEVEL	18.618	18.669	18.693	18.845	18.973	19.021	19.053	
OFFSET FROM CENTRELINE	-7.18	-5	4	0	4	5	60.9	

		-2.5°	6	2.5%		
DATUM R.L. 16.00						
DESIGN SURFACE LEVEL	17.879	19.938	20.063	20.163	20.357	
DEPTH CUT - / FILL +	0.000	1.702	1.610	1.536	1.394	
EXISTING SURFACE LEVEL	17.879	18.236	18.453	18.626	18.963	
OFFSET FROM CENTRELINE	-13.24	3 4	0	4 2	11.77	

		1 in-4	-2.5%		2.5	5%	
DATUM R.L. 17.00							
DESIGN SURFACE LEVEL	18.985	20.275	20.300	20.500	20.525	20.666	
DEPTH CUT - / FILL +	0.000	1.228	1.238	1.320	1.335	1.391	
EXISTING SURFACE LEVEL	18.985	19.047	19.062	19.180	19.190	19.275	
OFFSET FROM CENTRELINE	-10.16	بې	4 0	4	5	10.65	

	1000	Ā		-2.5%	2.5%		
DATUM R.L. 17.00		in -A		-2.5%		=	
DESIGN SURFACE LEVEL	19.128	19.373	19.398	19.498	19.598	19.623	19.654
DEPTH CUT - / FILL +	0.000	0.216	0.220	0.259	0.266	0.249	0.256
EXISTING SURFACE LEVEL	19.128	19.157	19.178	19.239	19.331	19.373	19.398
OFFSET FROM CENTRELINE	-5.98	-5	4	0	4	5	6.24
					C	H:	20

CH 30

				-2.5%		2.5%	6		_
		<u>n-4</u>	-			-			_
DATUM R.L. 16.00			-			-			_
DESIGN SURFACE LEVEL	17.967	19.688	19.712	19.813	19.913	19.938	20.063		
DEPTH CUT - / FILL +	0.000	1.413	1.394	1.321	1.248	1.225	1.122		
EXISTING SURFACE LEVEL	17.967	18.275	18.318	18.491	18.664	18.713	18.941		
OFFSET FROM CENTRELINE	-11.88	κ	4	0	4	2	10.03		
					CH	60			

		-2	5%	2.5%		
		n-4				/_
DATUM R.L. 17.00						
DESIGN SURFACE LEVEL	19.196	20.338	20.463	20.563	20.773	
DEPTH CUT - / FILL +	0.000	1.111	1.202	1.293	1.428	
EXISTING SURFACE LEVEL	19.196	19.227	19.261	19.288	19.345	
OFFSET FROM CENTRELINE	-9.57	٠٠ 4	0	5	12.39	
·				CH 100		

CH 110

В	100% DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.18
Α	100% DETAILED DESIGN	JSC	DB*	IG*	04.08.18
No	Revision Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date







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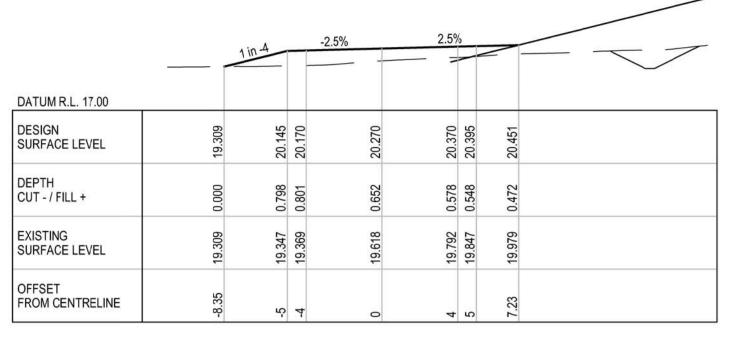
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GHD has agreed can use this document)	Date		3

DETAIL DESIGN HYDRO ALUMINIUM KURRI KURRI PTY LTD CONTAINMENT CELL DETAILED DESIGN PERIMETER ROAD CROSS SECTIONS SHEET 1 OF 7 This Drawing must not be used for Construction unless signed as Approved

Original Size

A1

Drawing No: 22-18015-C063



		in-4	1	-2.5%	2.5%	=		_
DATUM R.L. 18.00								
DESIGN SURFACE LEVEL	19.978	20.605	20.630	20.730	20.830	20.855	20.897	
DEPTH CUT - / FILL +	0.000	0.417	0.359	0.181	0.114	0.129	0.031	
EXISTING SURFACE LEVEL	19.978	20.188	20.271	20.549	20.716	20.726	20.866	
OFFSET FROM CENTRELINE	-7.51	ç	4	0	4	5	29.9	

CH 210

	1	n-4	-2	.5%	2.5%	=	
DATUM R.L. 19.00			3-20				
DESIGN SURFACE LEVEL	20.497	21.065	21.090	21.190	21.290	21.315	21.356
DEPTH CUT - / FILL +	0.000	0.547	0.576	0.466	0.409	0.364	0.306
EXISTING SURFACE LEVEL	20.497	20.518	20.514	20.724	20.881	20.951	21.050
OFFSET FROM CENTRELINE	-7.27	-5	4	0	4	5	9.64

CH 250

		<u>in-4</u>		-2.5%	2.5	%		
DATUM R.L. 17.00						_		
DESIGN SURFACE LEVEL	19.304	20.030	20.055	20.155	20.255	20.280	20.346	
DEPTH CUT - / FILL +	0.000	0.714	0.745	0.834	0.811	0.773	0.714	
EXISTING SURFACE LEVEL	19.304	19.316	19.310	19.321	19.444	19.507	19.632	
OFFSET FROM CENTRELINE	-7.9	ç	4	0	4	2	7.64	

CH 160

	<u></u>	<u>in -4</u>		-2.5%	2.5%			
DATUM R.L. 18.00								
DESIGN SURFACE LEVEL	19.786	20.490	20.515	20.615	20.715	20.740	20.782	
DEPTH CUT - / FILL +	0.000	0.546	0.487	0.369	0.285	0.207	0.145	
EXISTING SURFACE LEVEL	19.786	19.944	20.028	20.246	20.430	20.533	20.637	
OFFSET FROM CENTRELINE	-7.82	-5	4-	0	4	2	89.9	

CH 200

		in-4		-2.5%	2.5%		_	
DATUM R.L. 19.00			-			-		
DESIGN SURFACE LEVEL	20.279	20.950	20.975	21.075	21.175	21.200	21.241	
DEPTH CUT - / FILL +	0.000	0.620	0.609	0.361	0.067	-0.101	-0.109	
EXISTING SURFACE LEVEL	20.279	20.330	20.366	20.714	21.108	21.301	21.350	
OFFSET FROM CENTRELINE	-7.69	-5	4	0	4	5	9.65	

CH 240

DATUM R.L. 17.00		1 in-4	_	-2.5%	2.5	5%		
DESIGN SURFACE LEVEL	19.281	19.933	19.958	20.058	20.158	20.183	20.261	
DEPTH CUT - / FILL +	0.000	0.658	0.683	0.786	0.884	0.907	0.853	
EXISTING SURFACE LEVEL	19.281	19.275	19.274	19.271	19.274	19.275	19.408	
OFFSET FROM CENTRELINE	-7.61	-5	4-	0	4	5	8.13	

CH 150

	1	in -4		-2.5%	2.5%	=	
DATUM R.L. 18.00							
DESIGN SURFACE LEVEL	19.570	20.375	20.400	20.500	20.600	20.625	20.667
DEPTH CUT - / FILL +	0.000	0.664	0.590	0.519	0.358	0.359	0.383
EXISTING SURFACE LEVEL	19.570	19.711	19.810	19.981	20.242	20.266	20.284
OFFSET FROM CENTRELINE	-8.22	-5	4	0	4	2	69.9

CH 190

	— r	1 in -4		-2.5%	2.5%	_		
DATUM R.L. 18.00								
DESIGN SURFACE LEVEL	20.240	20.835	20.860	20.960	21.060	21.085	21.126	
DEPTH CUT - / FILL +	0.000	0.571	0.506	-0.405	-1.540	-1.507	-1.400	
EXISTING SURFACE LEVEL	20.240	20.264	20.354	21.365	22.600	22.592	22.527	
OFFSET FROM CENTRELINE	-7.38	ç.	4	0	4	2	6.65	

CH 230

CH 220

	1 <u>ir</u>	1-4	7	-2.5%		2.5%		
DATUM R.L. 17.00								
DESIGN SURFACE LEVEL	19.440	19.975	20.000	20.100	20.200	20.225	20.331	
DEPTH CUT - / FILL +	0.000	0.571	0.596	0.735	0.812	0.850	0.950	
EXISTING SURFACE LEVEL	19.440	19.404	19.404	19.365	19.388	19.375	19.381	
OFFSET FROM CENTRELINE	-7.14	-Ç-	4	0	4	5	9.24	

CH 140

	1	in 4	-2	.5%	2.5%			_
DATUM R.L. 18.00		-						
DESIGN SURFACE LEVEL	19.489	20.260	20.285	20.385	20.485	20.510	20.556	
DEPTH CUT - / FILL +	0.000	0.702	0.646	0.504	0.508	0.476	0.301	
EXISTING SURFACE LEVEL	19.489	19.558	19.639	19.881	19.977	20.034	20.255	
OFFSET FROM CENTRELINE	-8.09	-5	4	0	4	5	6.85	

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> 0 2 4 6 8 10 SCALE 1:200 AT ORIGINAL SIZE

DETAIL DESIGN

В	100% DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.18
Α	100% DETAILED DESIGN	JSC	DB*	IG*	04.08.18

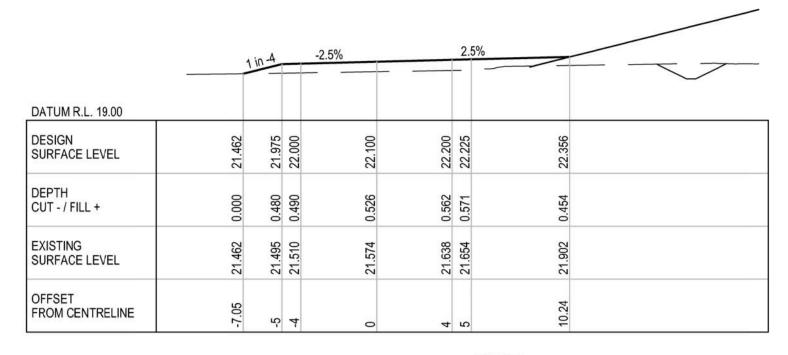




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CONTAINMENT CELL DETAILED DESIGN
THE PERIMETER ROAD CROSS SECTION
SHEET 2 OF 7

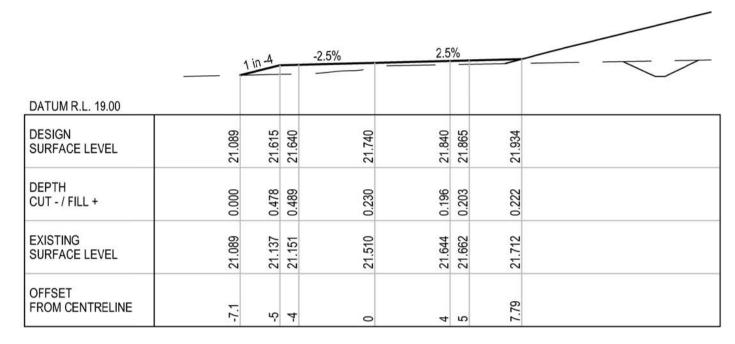


		in-4	-2.5	%	2.5	%	_	
DATUM R.L. 20.00								
DESIGN SURFACE LEVEL	23.161	23.495	23.520	23.620	23.720	23.745	23.813	
DEPTH CUT - / FILL +	0.000	0.320	0.339	0.465	0.600	0.626	0.662	
EXISTING SURFACE LEVEL	23.161	23.175	23.181	23.155	23.120	23.119	23.151	
OFFSET FROM CENTRELINE	-6.34	-5	4	0	4	2	7.72	

CH 330

	-2.5	%	2.5%		
DATUM R.L. 22.00					
DESIGN SURFACE LEVEL	24.688 24.815 24.840	24.940	25.040	25.160	
DEPTH CUT - / FILL +	0.000	0.319	0.522	0.720	
EXISTING SURFACE LEVEL	24.688 24.681 24.666	24.621	24.518	24.440	
OFFSET FROM CENTRELINE	-5.51 -4	0	2 4	8.82	

CH 370



CH 280

	1	in-4		-2.5%	2.5	5%		
DATUM R.L. 20.00			_					
DESIGN SURFACE LEVEL	22.696	23.115	23.140	23.240	23.340	23.365	23.443	
DEPTH CUT - / FILL +	0.000	0.475	0.517	0.546	0.551	0.548	0.588	
EXISTING SURFACE LEVEL	22.696	22.640	22.623	22.694	22.789	22.817	22.855	
OFFSET FROM CENTRELINE	-6.68	-5	4	0	4	5	8.13	

CH 320

	1 in	14	-2.5%	2	2.5%		
DATUM R.L. 21.00		\perp					
DESIGN SURFACE LEVEL	24.283	24.565	000.	24.790	24.815	24.907	
DEPTH CUT - / FILL +	0.000	0.302	220.0	0.238	0.277	0.422	
EXISTING SURFACE LEVEL	24.283	24.263	26.25	24.552	24.538	24.485	
OFFSET FROM CENTRELINE	-6.13	ئ د		2	2	8.7	

CH 360

DATUM R.L. 19.00	-2.5	%	2.5%		
DESIGN SURFACE LEVEL	21.319 21.347 21.372	21.472	21.572	21.654	
DEPTH CUT - / FILL +	0.000	0.047	0.064	0.078	
EXISTING SURFACE LEVEL	21.319 21.321 21.342	21.425	21.508	21.576	
OFFSET FROM CENTRELINE	6, 6, 4 E	0	2 4	7.26	

CH 270

		in-4	-2	.5%		2.5	5%	
DATUM R.L. 20.00		-	_			\vdash		
DESIGN SURFACE LEVEL	22.155	22.735	22.760	22.860	22.960	22.985	23.126	
DEPTH CUT - / FILL +	0.000	0.586	0.600	969.0	0.668	0.653	0.789	
EXISTING SURFACE LEVEL	22.155	22.149	22.160	22.164	22.292	22.332	22.337	
OFFSET FROM CENTRELINE	-7.32	-5	4	0	4	5	10.63	

CH 310

	1	in -A	<u>. </u>	-2.5%	2.	5%	_	
DATUM R.L. 21.00								
DESIGN SURFACE LEVEL	23.998	24.248	24.273	24.373	24.473	24.498	24.580	
DEPTH CUT - / FILL +	0.000	0.260	0.294	0.398	0.539	0.577	0.566	
EXISTING SURFACE LEVEL	23.998	23.989	23.979	23.975	23.934	23.921	24.014	
OFFSET FROM CENTRELINE	9-	-5	4	0	4	5	8.28	

CH 350

DATUM R.L. 19.00		in-4	7	-2.5%	2.5%		_	
DATUM R.L. 19.00		_	-			_		
DESIGN SURFACE LEVEL	20.723	21.180	21.205	21.305	21.405	21.430	21.457	
DEPTH CUT - / FILL +	0.000	0.316	0.220	-0.078	-0.072	-0.070	-0.069	
EXISTING SURFACE LEVEL	20.723	20.864	20.985	21.383	21.477	21.500	21.526	
OFFSET FROM CENTRELINE	-6.83	5	4	0	4	2	6.07	

CH 260

	1	n -4	-	-2.5%		2	2.5%	
DATUM R.L. 20.00								
DESIGN SURFACE LEVEL	21.931	22.355	22.380	22.480	22.580	22.605	22.761	
DEPTH CUT - / FILL +	0.000	0.395	0.403	0.457	0.579	0.603	0.680	
EXISTING SURFACE LEVEL	21.931	21.960	21.977	22.023	22.001	22.002	22.081	
OFFSET FROM CENTRELINE	-6.7	-5	4	0	4	5	11.25	

CH 300

	1 in -4	-2.5%	2.5%	% 	
DATUM R.L. 21.00					
DESIGN SURFACE LEVEL	23.690 23.875 23.900	24.000	24.100	24.125	24.190
DEPTH CUT - / FILL +	0.000 0.171	0.469	0.564	0.588	0.622
EXISTING SURFACE LEVEL	23.690 23.704 23.711	23.531	23.536	23.537	23.568
OFFSET FROM CENTRELINE	-5.74 -5	0	4	2	7.61

CH 340

DETAIL DESIGN

Rev: **B**

		40			
В	100% DETAILED DESIGN RE-ISSUE	HT	DB	IG	04.05.18
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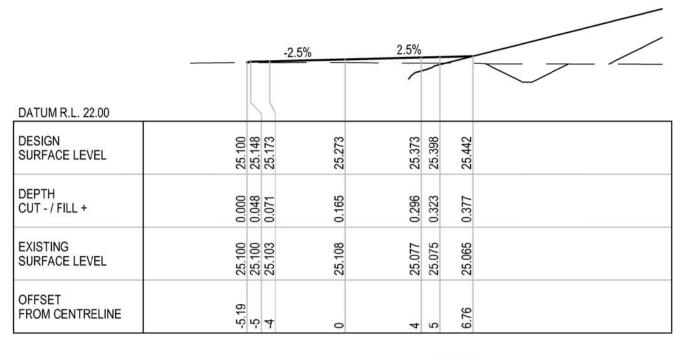
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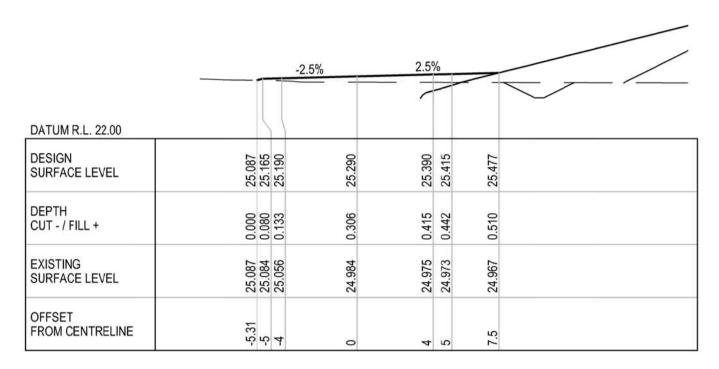
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oject CONTAINMENT CELL DETAILED DESIGN PERIMETER ROAD CROSS SECTION SHEET 3 OF 7



1			
	-2.5%	2.5%	
24.375	24.560	24.760	24.838
0.000	0.324	0.483	0.518
24.375	24.336	24.277	24.320
-5.64	t 0	4 2	7.13
	24.375 0.000 24.252 0.283	24.375 0.000 24.375 24.252 0.283 24.535 24.323 0.237 24.560	24.375 0.000 24.375 24.323 0.237 24.560 24.336 0.324 24.660 24.277 0.483 24.760 24.271 0.514 24.785

		in-4	-2.5%		2.	5%			
DATUM R.L. 21.00									
DESIGN SURFACE LEVEL	23.264	23.775	23.800	23.900	24.000	24.025	24.110		
DEPTH CUT - / FILL +	0.000	0.467	0.471	0.485	0.500	0.503	0.516		
EXISTING SURFACE LEVEL	23.264	23.308	23.329	23.415	23.500	23.522	23.594		
OFFSET FROM CENTRELINE	-7.04	-5	4	0	4	5	8.38		

CH 490



CH 400

	1	m-4	-2.5%	2.5%	_		_
DATUM R.L. 22.00							
DESIGN SURFACE LEVEL	24.532	24.725	24.850	24.950	24.975	25.025	
DEPTH CUT - / FILL +	0.000	0.210	0.274	0.502	0.518	0.597	
EXISTING SURFACE LEVEL	24.532	24.515	24.406	24.448	24.457	24.428	
OFFSET FROM CENTRELINE	-5.77	٠ ب	4 0	4	5	6.98	

CH 440

		in <u>-4</u>		-2.5%	2.5%	_		
DATUM R.L. 21.00								
DESIGN SURFACE LEVEL	23.429	23.965	23.990	24.090	24.190	24.215	24.241	
DEPTH CUT - / FILL +	0.000	0.496	0.501	0.525	0.549	0.555	0.561	
EXISTING SURFACE LEVEL	23.429	23.469	23.489	23.565	23.641	23.660	23.680	
OFFSET FROM CENTRELINE	-7.15	-5	4-	0	4	5	90.9	

CH 480

DATUM R.L. 22.00	1 in	<u>, </u>	-2.5%	2.5	5%		
DESIGN SURFACE LEVEL	24.929	25.140	25.240	25.340	25.365	25.444	
DEPTH CUT - / FILL +	0.000	0.215	0.325	0.386	0.458	0.601	
EXISTING SURFACE LEVEL	24.929	24.927	24.915	24.954	24.907	24.843	
OFFSET FROM CENTRELINE	-5.74	ç 4	0	4	5	8.16	

CH 390

	1	in-4	-2.5	5%	2.5%	_		
DATUM R.L. 22.00								
DESIGN SURFACE LEVEL	24.575	24.915	24.940	25.040	25.140	25.165	25.211	
DEPTH CUT - / FILL +	0.000	0.357	0.392	0.455	0.636	0.657	0.660	
EXISTING SURFACE LEVEL	24.575	24.558	24.547	24.585	24.503	24.508	24.551	
OFFSET FROM CENTRELINE	-6.36	-5	4	0	4	2	6.84	

CH 430

	1	n-4	-2.5	5%	2.5%			_
DATUM R.L. 21.00								
DESIGN SURFACE LEVEL	23.906	24.155	24.180	24.280	24.380	24.405	24.428	
DEPTH CUT - / FILL +	0.000	0.265	0.307	0.435	0.536	0.560	0.583	
EXISTING SURFACE LEVEL	23.906	23.890	23.873	23.845	23.844	23.845	23.845	
OFFSET FROM CENTRELINE	-5.99	-5-	4	0	4	5	5.93	

CH 470

CH 460

DATUM R.L. 22.00	1	in -4		-2.5%	2	.5%		
DATOWIK.L. 22.00		-	-					1
DESIGN SURFACE LEVEL	24.756	24.998	25.023	25.123	25.223	25.248	25.339	
DEPTH CUT - / FILL +	0.000	0.252	0.287	0.426	0.564	0.599	0.725	
EXISTING SURFACE LEVEL	24.756	24.746	24.736	24.698	24.659	24.649	24.614	
OFFSET FROM CENTRELINE	-5.97	-5	4	0	4	5	8.64	

CH 380

			0.5%		
	1 in -4 -2.5	5%	2.5%		_/_
DATUM R.L. 22.00					
DESIGN SURFACE LEVEL	24.861 25.065 25.090	25.190	25.290	25.353	
DEPTH CUT - / FILL +	0.000	0.443	0.582	0.649	
EXISTING SURFACE LEVEL	24.861 24.816 24.767	24.746	24.707	24.704	
OFFSET FROM CENTRELINE	5. 5. 4	0	4 u	6.52	
·			CH	H 420	

DATUM R.L. 22.00 DESIGN SURFACE LEVEL 24.197 24.345 24.370 DEPTH CUT - / FILL + EXISTING SURFACE LEVEL 24.197 24.209 24.229 OFFSET FROM CENTRELINE

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Rev: **B**

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В	100% DETAILED DESIGN RE-ISSUE	НТ	DB	IG	04.05.18
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