


7 February 2017

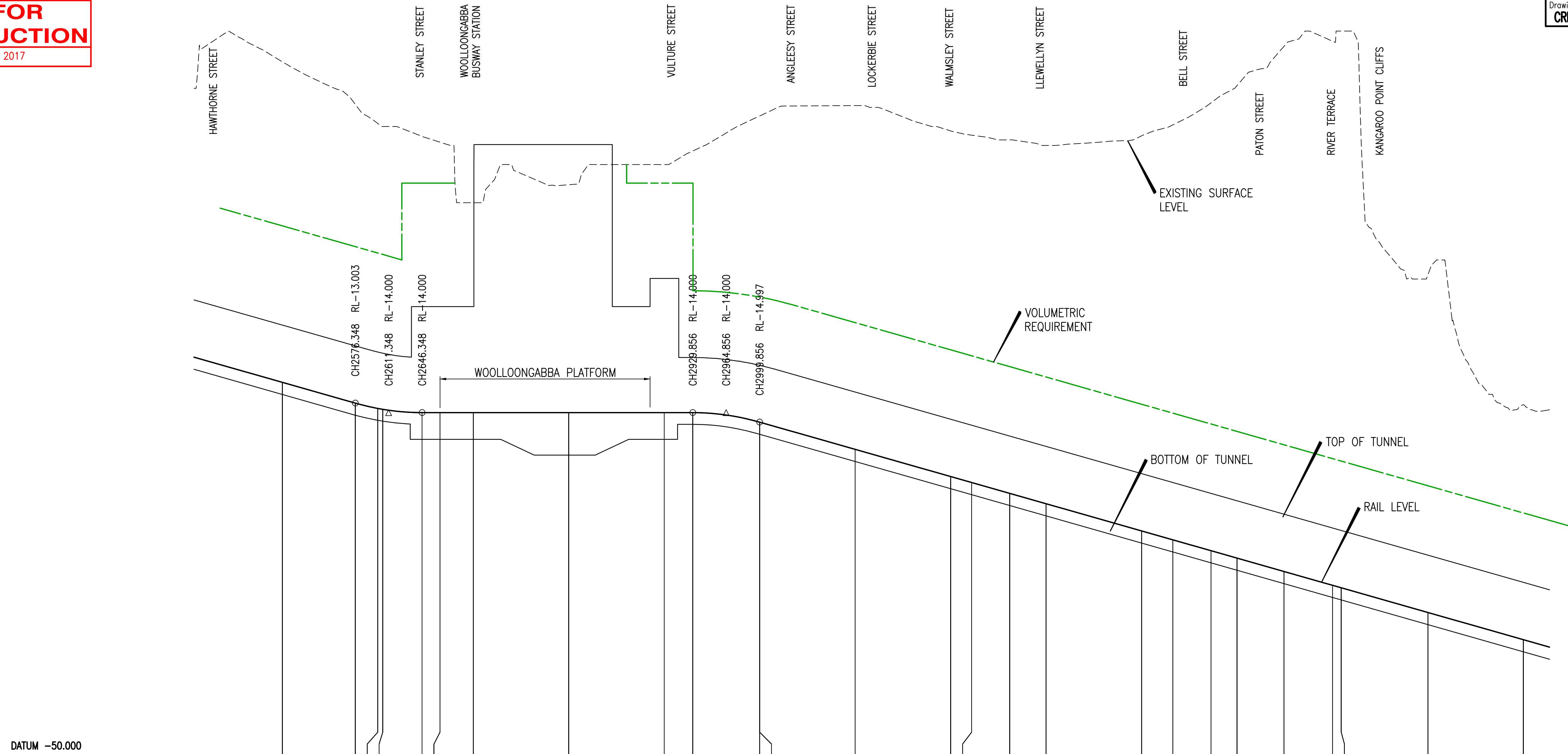


last Modified :- Feb 07, 2017 - 10:27am XREFS :- MRR\_DETAIL\_A1\_Ref.dwg ; X-CRR-DRAI-0001-LSECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL\_LONG\_SECTIONS.dwg

				Associated Job Nos		Survey Data		<div>Scales</div> <div><div>A1 / A3 0 25 50 75 100m</div><div>1:2500 / 1:5000</div></div>		BRISBANE CITY				LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 1				<div></div> <div>Queensland Government</div>	
						Datum GDA94				CROSS RIVER RAIL									
C	MINOR REVISION		20/01/17	Auxiliary Drg Nos		Horiz. Grid		HORIZONTAL		REFERENCE DESIGN (CHANGED PROJECT)									
B	MINOR REVISION		02/11/16			Height Origin		<div><div>A1 / A3 0 5 10 15 20m</div><div>1:500 / 1:1000</div></div>		VERTICAL		Reference Points							
A	ISSUE FOR RFPC		14/10/16			Survey Books		Dimensions shown in except where shown otherwise				Preceding RP      Dist. to start of job (km)      From start to end of job      From end to Following RP      Following RP							
Revisions/Descriptions				Certification	Date	Microfiled				Through Chainage from		Drawn	ENGINEERING CERTIFICATION (RPEQ)				Job No.		
												SG	ENG. AREA	NAME	SIGNATURE	NO.	DATE	Contract. No.	
												Designed	CIVIL	J. DONOHUE		7835	14/10/16	Drawing No.	C
												JD						Series Number	of
CAD FILES				C:\projectwise\pne_projects\luke.cruckshank\dms97294\CRR-0002-AL-LS-151.dwg														MRR_Detail (06/13)	

NOT FOR  
CONSTRUCTION

7 February 2017




DATUM -50.000																								
VERTICAL DETAILS	<div><div><div>L=70.00 R=2456.140</div><div>0.000%</div><div>L=70.00 R=2456.140</div><div>-2.850%</div></div></div>																							
HORIZONTAL DETAILS	<div><div><div>R=-415.000</div><div>L=60.00</div><div>L=556.789</div><div>L=40.00</div><div>R=-600.000</div><div>L=40.00</div><div>L=76.423</div><div>L=60.00</div><div>R=-415.000</div></div></div>																							
PROPOSED RAIL LEVELS	-10.827	-13.003 -13.563 -13.655	-14.000 -14.000	-14.000	-14.000	-14.000	-14.997 -15.002	-17.852	-20.702 -21.328	-22.468	-23.552	-26.402	-27.334	-28.474	-29.252	-30.652	-32.102 -32.362	-34.952	-37.802					
EXISTING LEVELS	22.776	18.324 16.306 16.000	14.962 14.346	8.000	9.887	12.000	13.425	17.094 17.100	18.186	15.526 15.085	14.591	14.000	15.011	16.160	18.470	20.283	24.387	24.936 26.000	0.450	-13.164				
LEVEL DIFFERENCE	33.602	31.326 29.868 29.655	28.962 28.346	22.000	23.887	26.000	27.425	32.091 32.101	36.037	36.227 36.413	37.059	37.551	41.412	43.493	46.943	49.534	55.038	57.037 58.361	35.401	24.637				
CHAINAGES	2500.000	2576.348 2600.000 2605.192	2646.348 2665.192	2700.000	2800.000	2900.000	2929.856	2999.856 3000.000	3100.000	3200.000 3221.981	3261.981	3300.000	3400.000	3432.707	3472.707	3500.000	3549.130	3600.000 3609.130	3700.000	3800.000				

NOTE

1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

DOWN CRR

				Associated Job Nos	Survey Data		<div>Scales</div> <div>A1 / A3 0 25 50 75 100m 1:2500 / 1:5000</div> <div>HORIZONTAL</div> <div>A1 / A3 0 5 10 15 20m 1:500 / 1:1000</div> <div>VERTICAL</div> <div>Dimensions shown in except where shown otherwise</div>		BRISBANE CITY		LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 2						 <div>Queensland Government</div>								
					Datum	GDA94			CROSS RIVER RAIL																
C	MINOR REVISION		20/01/17	Auxiliary Drg Nos	Horiz. Grid			REFERENCE DESIGN (CHANGED PROJECT)		Drawn SG <div>ENGINEERING CERTIFICATION (RPEQ)</div> <table><tr><td>ENG. AREA</td><td>NAME</td><td>SIGNATURE</td><td>NO.</td><td>DATE</td></tr><tr><td>CIVIL</td><td>J. DONOHUE</td><td></td><td>7835</td><td>14/10/16</td></tr></table>						ENG. AREA	NAME	SIGNATURE	NO.	DATE	CIVIL	J. DONOHUE		7835	14/10/16
ENG. AREA	NAME	SIGNATURE	NO.		DATE																				
CIVIL	J. DONOHUE		7835		14/10/16																				
B	MINOR REVISION		02/11/16	Height Origin																					
A	ISSUE FOR RFPC		14/10/16	Survey Books			Preceding RP		Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP	Designed JD				Job No.								
Revisions/Descriptions		Certification	Date	Microfiled													Contract. No.								
																	Drawing No.								
																	Series Number								
																	of								
																	MRR_Detail (06/13)								
CAD FILES		C:\projectwise\bne_projects\luke.cruickshank\dms97294\CRR-0002-AL-LS-152.dwg																							



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CONSTRUCTION

7 February 2017



DATUM -50.000																														
VERTICAL DETAILS	<div><div><div>L=140.00 R=2456.140</div><div>2.850%</div><div>L=70.00 R=2456.140</div><div>0.000%</div><div>L=160.00 R=5835.740</div></div></div>																													
HORIZONTAL DETAILS	<div><div><div>L=60.00</div><div>L=100.979</div><div>L=60.00</div><div>R=428.700</div><div>L=60.00</div><div>L=636.396</div><div>L=40.00</div><div>R=-400.000</div><div>L=40.00</div><div>L=40.000</div></div></div>																													
PROPOSED RAIL LEVELS	-39.721	-40.435	-40.667	-39.920	-39.721	-39.551	-37.081	-36.673	-34.963	-34.231	-31.381	-31.114	-29.404	-28.677	-28.536	-27.680	-27.680	-27.680	-27.680	-27.680	-27.680	-27.680	-27.680	-27.577	-27.003	-25.567	-25.487	-24.694	-24.471	
EXISTING LEVELS	-15.438	-15.037	-9.181	-6.056	-5.738	-5.487	5.986	5.140	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	5.265	8.711	9.266	9.096	9.054	9.264	10.096	11.185	11.239	12.000	12.000
LEVEL DIFFERENCE	24.284	25.397	31.486	33.864	33.984	34.063	43.066	41.812	38.962	38.230	35.380	35.114	33.404	32.677	32.536	31.679	31.679	31.679	31.679	32.944	36.390	36.945	36.775	36.733	36.841	37.098	36.751	36.725	36.694	36.470
CHAINAGES	3867.356	3900.000	3953.339	4000.000	4007.356	4013.339	4100.000	4114.318	4174.318	4200.000	4300.000	4309.360	4369.360	4394.856	4400.000	4464.856	4500.000	4600.000	4700.000	4800.000	4900.000	5000.000	5005.756	5011.103	5045.756	5100.000	5168.162	5171.103	5200.000	5208.162

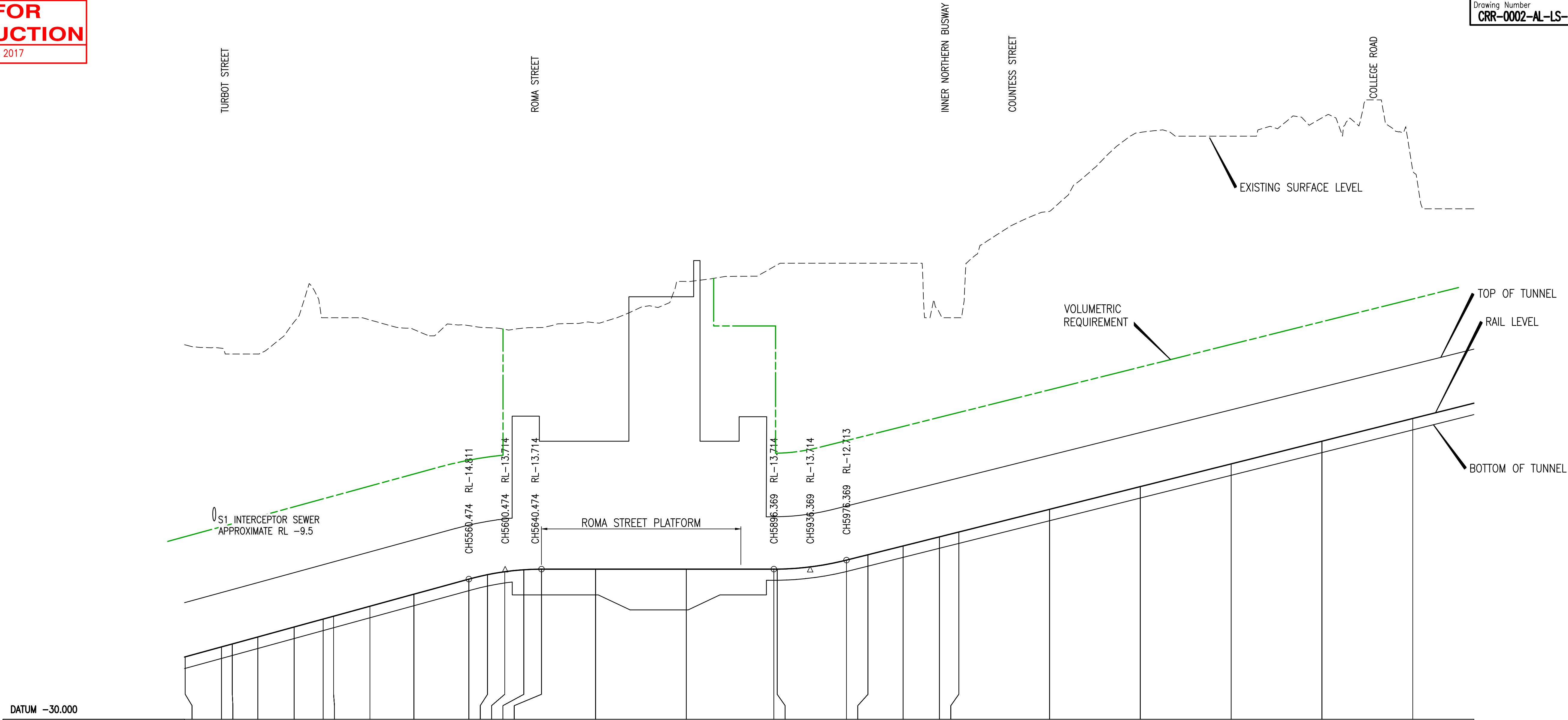
NOTE  
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

DOWN CRR

				Associated Job Nos		Survey Data		Scales		BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 3				Queensland Government	
						Datum		A1 / A3 1:2500 / 1:5000											
				Auxiliary Drg Nos		Horiz. Grid		HORIZONTAL											
						Height Origin		A1 / A3 1:500 / 1:1000											
						Survey Books		VERTICAL											
								Dimensions shown in except where shown otherwise											

NOT FOR  
CONSTRUCTION


7 February 2017



DATUM -30.000															
VERTICAL DETAILS	<div>2.742%<div>L=80.00R=2917.870</div>0.000%<div>L=80.00R=3196.929</div>2.502%</div>														
HORIZONTAL DETAILS	<div><div>R=-300.000L=40.00</div><div>L=40.00L=43.325L=40.00</div><div>R=313.700L=40.00</div><div>L=417.692</div><div>L=40.00</div><div>R=413.700</div></div>														
PROPOSED RAIL LEVELS	-23.374	-22.277	-21.953	-21.180	-20.084	-19.211	-18.896	-17.799	-16.469	-14.811	-14.319	-13.995	-13.779	-13.714	-13.714
EXISTING LEVELS	11.002	10.632	10.000	10.000	13.535	14.000	14.000	13.752	12.691	13.121	12.897	12.714	12.852	12.915	13.433
LEVEL DIFFERENCE	34.375	32.909	31.952	31.180	33.618	33.210	32.895	31.551	29.160	27.932	27.216	26.709	26.631	26.629	27.147
CHAINAGES	5248.162	5288.162	5300.000	5328.162	5368.162	5400.000	5411.487	5451.487	5500.000	5560.474	5581.055	5600.000	5621.055	5640.474	5700.000

NOTE  
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

DOWN CRR

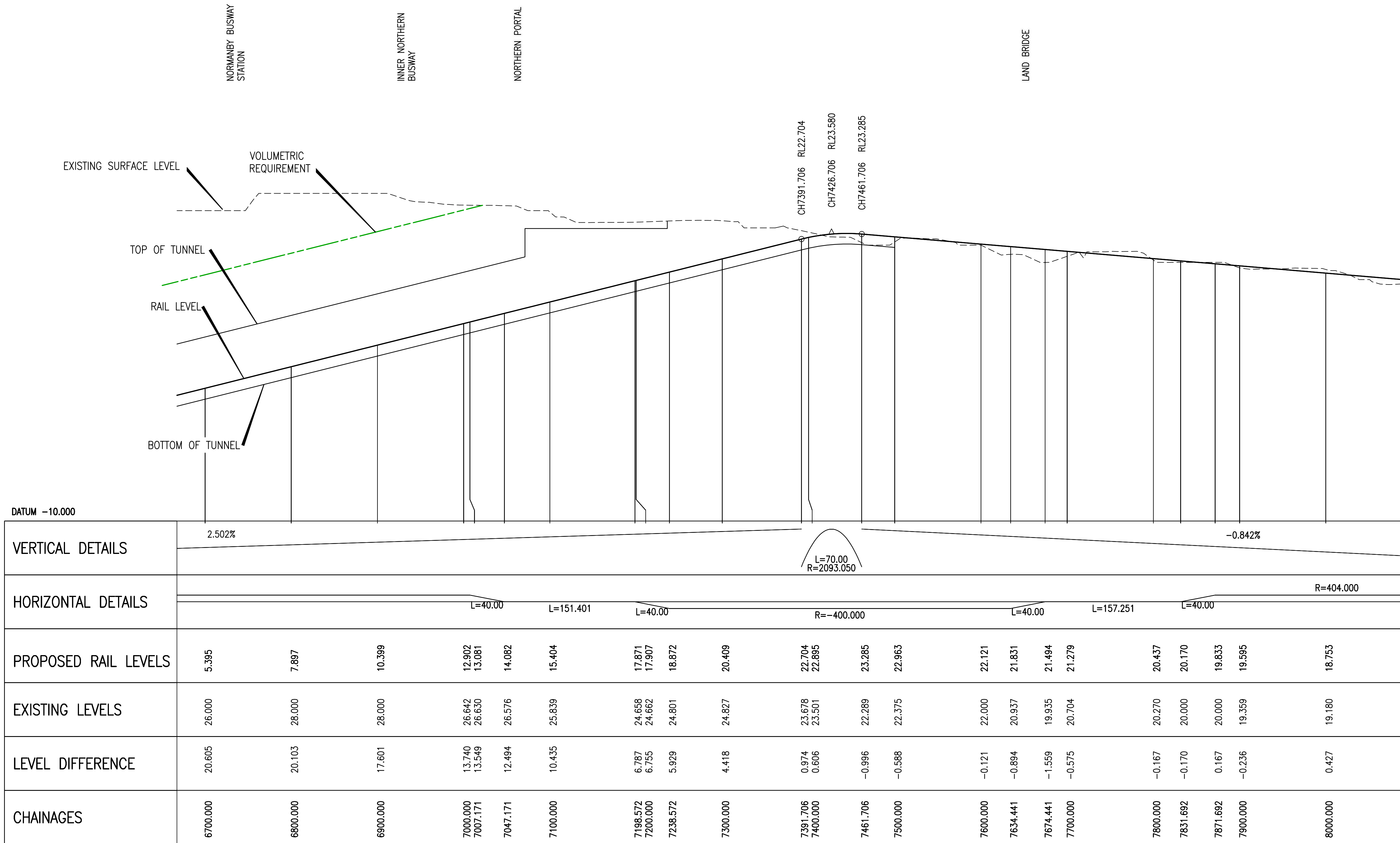
				Associated Job Nos	Survey Data		<div>Scale: 1:2500 / 1:5000</div> <div>0 25 50 75 100m</div>	BRISBANE CITY				LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 4									
					Datum	GDA94		CROSS RIVER RAIL													
				Auxiliary Drg Nos	Horiz. Grid	<div>Scale: 1:500 / 1:1000</div> <div>0 5 10 15 20m</div>	REFERENCE DESIGN (CHANGED PROJECT)														
C MINOR REVISION					Height Origin		Reference Points				Drawn	ENGINEERING CERTIFICATION (RPEQ)						Job No.			
B MINOR REVISION							Preceding RP      Dist. to start of job (km)      From start to end of job      From end to Following RP      Following RP					SG	ENG. AREA	NAME	SIGNATURE	NO.		DATE	Contract No.		
A ISSUE FOR RFPC				Survey Books	Dimensions shown in except where shown otherwise								Designed	CIVIL	J. DONOHUE		7835	14/10/16	Drawing No.		C
												JD							Series Number		of
				Revisions/Descriptions				Certification	Date	Microfiled										MRR_Detail (06/13)	
CAD FILES				C:\projectwise\bne_projects\luke.cruickshank\dms97294\CRR-0002-AL-LS-154.dwg																	

NOT FOR  
CONSTRUCTION

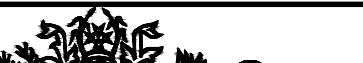
7 February 2017

ARUP  
Drawing Number  
CRR-0002-AL-LS-155

Level 4, 108 Wickham Street  
Fortitude Valley, QLD, Australia



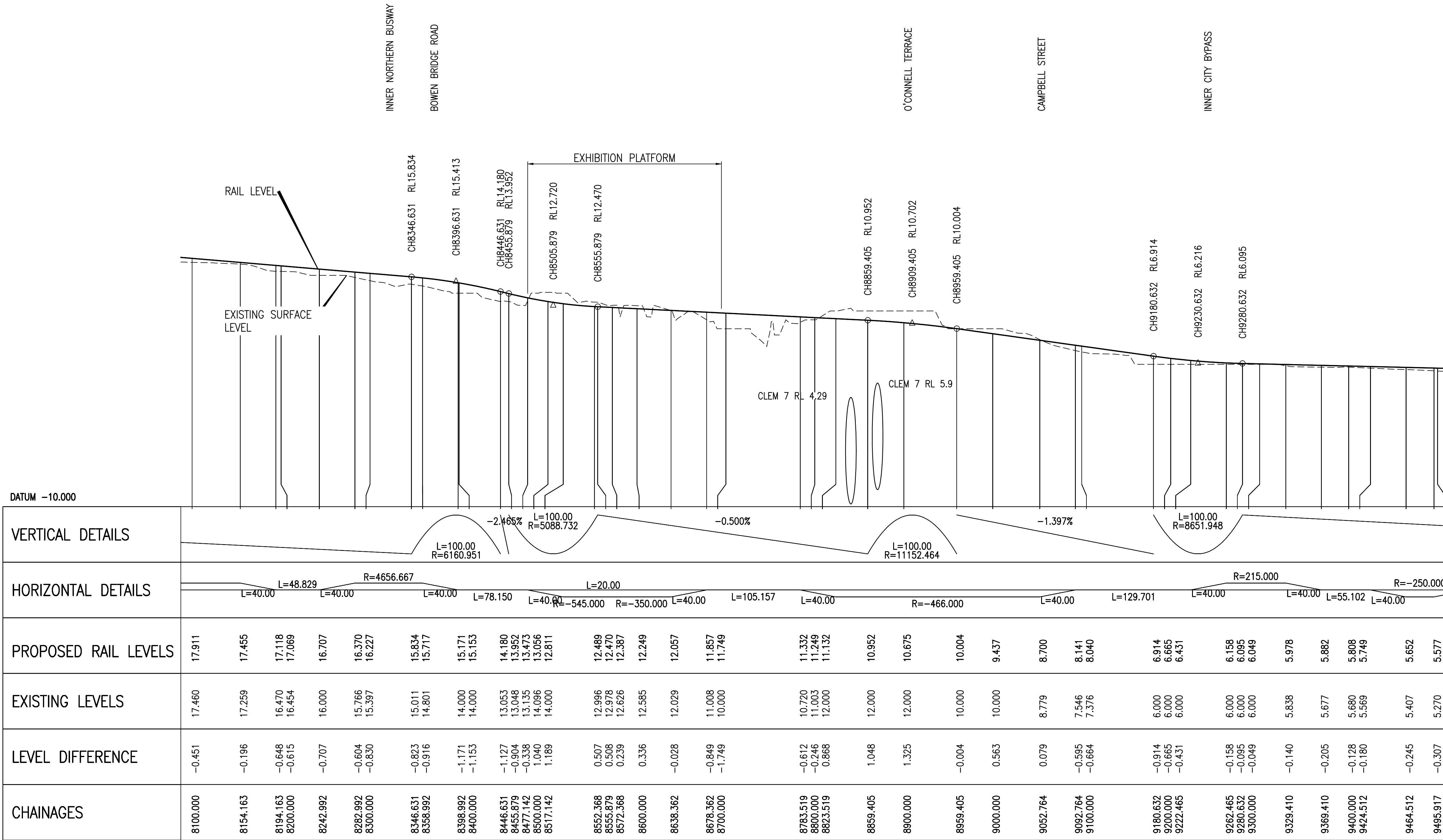
DOWN CRR

						Associated Job Nos	Survey Data		<div>Scale: 1:2500 / 1:5000</div> <div>0 25 50 75 100m</div> <div>HORIZONTAL</div> <div>Scale: 1:500 / 1:1000</div> <div>0 5 10 15 20m</div> <div>VERTICAL</div> <div>Dimensions shown in except where shown otherwise</div>	BRISBANE CITY					LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 5					 <div>Queensland Government</div>						
							Datum	GDA94		CROSS RIVER RAIL																
							Auxiliary Drg Nos	Horiz. Grid		REFERENCE DESIGN (CHANGED PROJECT)																
B	MINOR REVISION				02/11/16			Height Origin			Reference Points					Drawn	ENGINEERING CERTIFICATION (RPEQ)					Job No.				
A	ISSUE FOR RFPC				14/10/16		Survey Books		Preceding RP      Dist. to start of job (km)      From start to end of job      From end to Following RP      Following RP					SG	ENG. AREA	NAME	SIGNATURE	NO.	DATE	Contract No.						
Revisions/Descriptions						Certification	Date	Microfiled						Designed	CIVIL	J. DONOHUE		7835	14/10/16	Drawing No.		C				
CAD FILES						C:\projectwise\bnr_projects\luke.cruickshank\dms97294\CRR-0002-AL-LS-155.dwg						Through Chainage from					JD					Series Number		of		MRR_Detail (06/13)



NOT FOR  
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1 November 2016



DOWN CRR

NOTE  
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY


Nov 01, 2016 - 4:48pm  
Last Modified :-  
MRR-DETAIL\_A1\_Rev.dwg : X-CRR-DRAI-0001-LS-SECTION-CAD.dwg : BRT-CRR-DRAI-10-RAIL-LONG-SECTIONS.dwg  
XREFS :-

B	MINOR REVISION			02/11/16	
A	ISSUE FOR RFPC			14/10/16	
	Revisions/Descriptions	Certification	Date	Microfiled	

Associated Job Nos	Survey Data	Scales
	Datum GDA94	A1 / A3 1:2500 / 1:5000 0 25 50 75 100m
Auxiliary Drg Nos	Horiz. Grid	HORIZONTAL
	Height Origin	A1 / A3 1:500 / 1:1000 0 5 10 15 20m
	Survey Books	VERTICAL
		Dimensions shown in except where shown otherwise

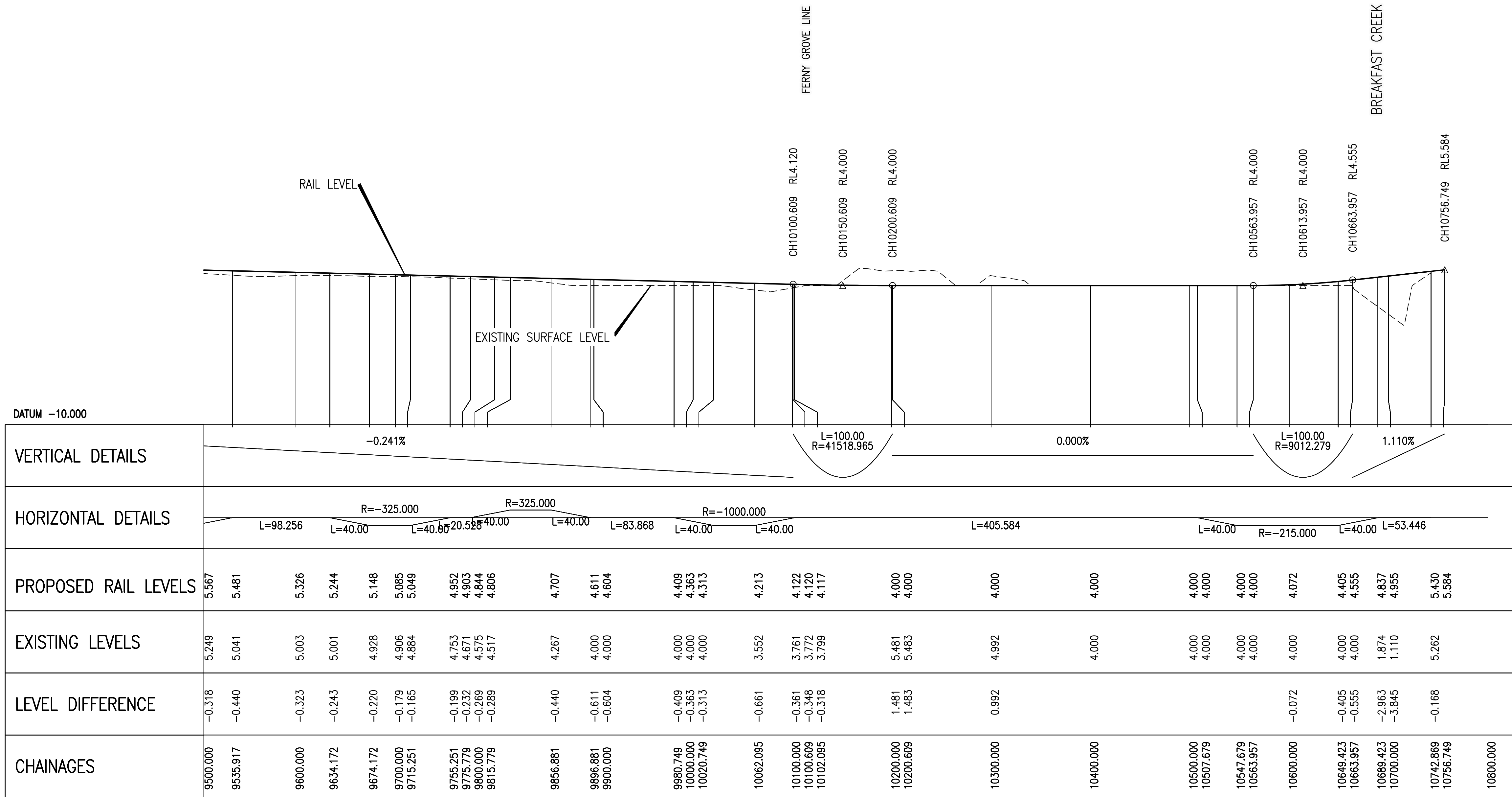
BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION - DOWN CRR TRACK SHEET 6				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
SG	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	J. DONOHUE		7835 14/10/16
JD				


 Queensland Government	
Job No.	
Contract No.	
Drawing No.	B
Series Number	of
MRR_Detail (06/13)	

NOT FOR  
CONSTRUCTION

1 November 2016



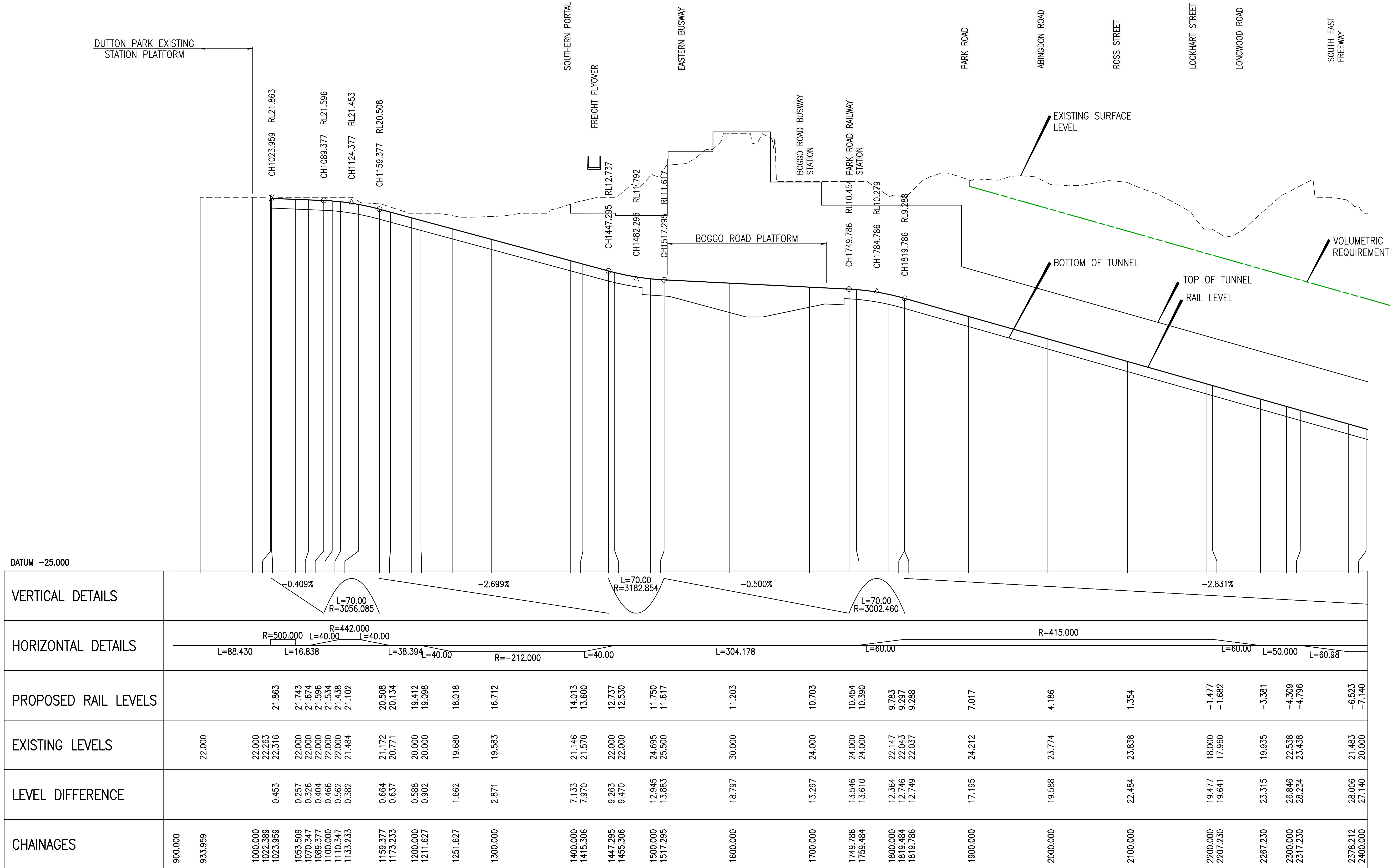
DOWN CRR

						Associated Job Nos	Survey Data		<div>Scale A1 / A3 1:2500 / 1:5000 0 25 50 75 100m</div> <div>HORIZONTAL</div> <div>Scale A1 / A3 1:500 / 1:1000 0 5 10 15 20m</div> <div>VERTICAL</div> <div>Dimensions shown in except where shown otherwise</div>	BRISBANE CITY				LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 7							Queensland Government			
							Datum	GDA94		CROSS RIVER RAIL														
							Auxiliary Drg Nos	Horiz. Grid		REFERENCE DESIGN (CHANGED PROJECT)														
B	MINOR REVISION			02/11/16				Height Origin		Reference Points				Drawn	ENGINEERING CERTIFICATION (RPEQ)								Job No.	
A	ISSUE FOR RFPC			14/10/16				Survey Books		Preceding RP      Dist. to start of job (km)      From start to end of job      From end to Following RP      Following RP				SG	ENG. AREA	NAME	SIGNATURE	NO.	DATE				Contract No.	
Revisions/Descriptions						Certification	Date	Microfiled					Designed	CIVIL	J. DONOHUE		7835	14/10/16	Drawing No.		B			
CAD FILES						C:\Projectwise\Export\CRR\CRR-0002-AL-LS-157.dwg						Through Chainage from				JD					Series Number		of	MRR_Detail (06/13)



NOT FOR  
CONSTRUCTION

7 February 2017



NOTE  
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

UP CRR

CAD FILES | C:\projectwise\bnr\_projects\luke.cruickshank\dms97294\CRR-0002-AL-LS-161.dwg  
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XREFS :- MRR\_DETAIL\_A1\_Rev.dwg ; X-CRR-DRAI-0001-LS-SECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL-LONG\_SECTIONS.dwg

C	MINOR REVISION		20/01/17		
B	MINOR REVISION		02/11/16		
A	ISSUE FOR RFPC		14/10/16		
Revisions/Descriptions		Certification	Date	Microfiled	

Associated Job Nos		Survey Data	
		Datum	GDA94
Auxiliary Drg Nos		Horiz. Grid	
		Height Origin	
		Survey Books	
		Scales A1 / A3 1:2500 / 1:5000 0 25 50 75 100m HORIZONTAL A1 / A3 1:500 / 1:1000 0 5 10 15 20m VERTICAL Dimensions shown in except where shown otherwise	

BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

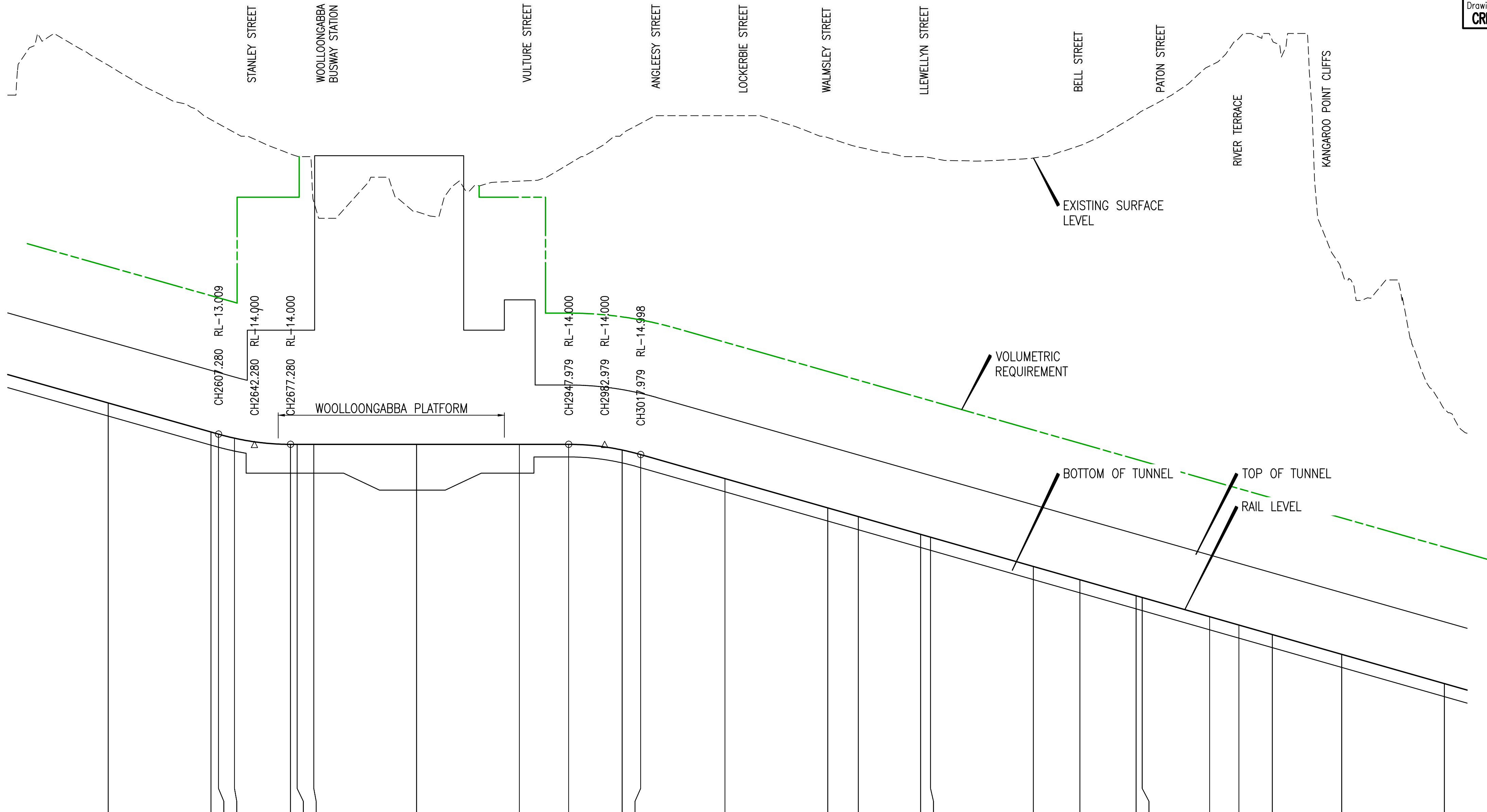
LONGITUDINAL SECTION - UP CRR TRACK SHEET 1				
Drawn SG	ENGINEERING CERTIFICATION (RPEQ)			
	ENG. AREA CIVIL	NAME J. DONOHUE	SIGNATURE	NO. 7835 DATE 14/10/16
Designed JD				

		Job No.	
		Contract No.	
		Drawing No.	C
		Series Number	of
		MRR_Detail (06/13)	

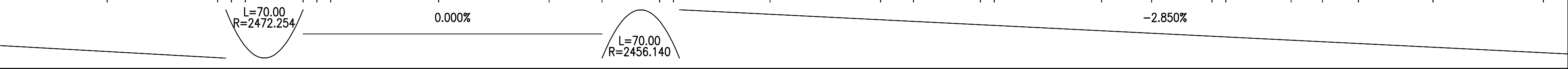



NOT FOR  
CONSTRUCTION

7 February 2017



DATUM -50.000

VERTICAL DETAILS																									
HORIZONTAL DETAILS																									
PROPOSED RAIL LEVELS	-9.971	-12.803 -13.009 -13.400	-14.000 -14.000 -14.000	-14.000	-14.000	-14.000	-14.551 -14.998	-17.335	-20.185	-21.033	-22.762 -23.035	-25.885	-27.176	-28.735 -28.905	-30.774	-31.585	-32.512	-34.435	-37.285						
EXISTING LEVELS	22.902	17.608 17.202 16.349	14.265 14.052 9.590	8.663	11.626	13.276	16.183 17.243	18.000	15.859	14.946	14.000 13.891	13.872	15.082	18.046 18.457	22.829	25.530	25.333	2.913	-10.563						
LEVEL DIFFERENCE	32.873	30.410 30.211 29.749	28.265 28.052 23.590	22.663	25.626	27.276	30.733 32.240	35.335	36.044	35.978	36.762 36.926	39.757	42.257	46.781 47.361	53.602	57.115	57.844	37.348	26.722						
CHAINAGES	2500.000	2600.000 2607.280 2622.824	2677.280 2683.806 2700.000	2800.000	2900.000	2947.979	3000.000 3017.979	3100.000	3200.000	3229.741	3290.422 3300.000	3400.000	3445.278	3500.000 3505.959	3571.527	3600.000	3632.509	3700.000	3800.000						

NOTE

1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

UP CRR

Revisions/Descriptions	Certification	Date	Microfiled
C MINOR REVISION		20/01/17	
B MINOR REVISION		02/11/16	
A ISSUE FOR RFPC		14/10/16	

Associated Job Nos	Survey Data
	Datum GDA94
Auxiliary Drg Nos	Horiz. Grid
	Height Origin
	Survey Books

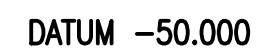
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A1 / A3 1:2500 / 1:5000
0 25 50 75 100m
HORIZONTAL
A1 / A3 1:500 / 1:1000
0 5 10 15 20m
VERTICAL
Dimensions shown in except where shown otherwise

BRISBANE CITY				
CROSS RIVER RAIL				
REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION – UP CRR TRACK SHEET 2					
Drawn	ENGINEERING CERTIFICATION (RPEQ)				
SG	ENG. AREA	NAME	SIGNATURE	NO.	DATE
Designed	CIVIL	J. DONOHUE		7835	14/10/16
JD					

Queensland Government	Job No.	Contract No.	Drawing No.	Series Number	of	MRR_Detail (06/13)
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7 February 2017



1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

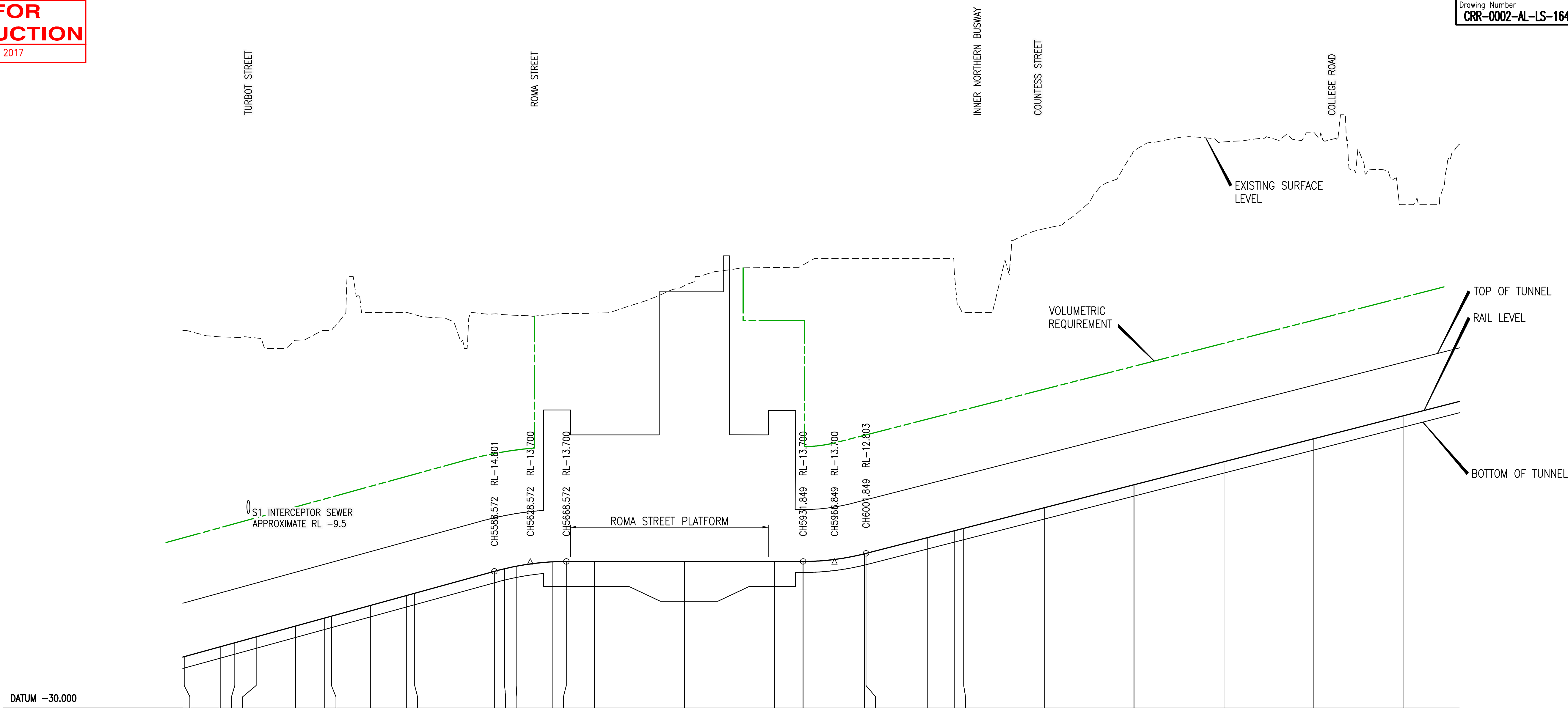
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[illegible]



NOT FOR  
CONSTRUCTION


7 February 2017



DATUM -30.000															
VERTICAL DETAILS	2.752% 0.000% L=80.00 R=2906.841 L=70.00 R=2732.030 2.562%														
HORIZONTAL DETAILS	L=40.002 R=-313.700 L=43.323 R=300.000 L=40.00 L=40.00 L=40.00 L=40.00 L=417.676 L=40.00 R=400.000														
PROPOSED RAIL LEVELS	-24.291	-23.191	-22.743	-22.090	-20.888	-19.991	-19.787	-18.595	-17.494	-17.238	-14.801	-14.509	-14.234	-13.742	-13.700
EXISTING LEVELS	12.000	11.290	11.239	11.167	10.915	12.000	12.000	14.000	14.000	13.767	13.844	13.757	13.687	13.795	13.884
LEVEL DIFFERENCE	36.291	34.480	33.981	33.256	31.803	31.990	31.787	32.595	31.494	31.005	28.644	28.265	27.920	27.537	27.584
CHAINAGES	5243.725	5283.727	5300.000	5323.727	5367.380	5400.000	5407.380	5450.704	5490.704	5500.000	5588.572	5600.000	5612.867	5652.867	5668.572

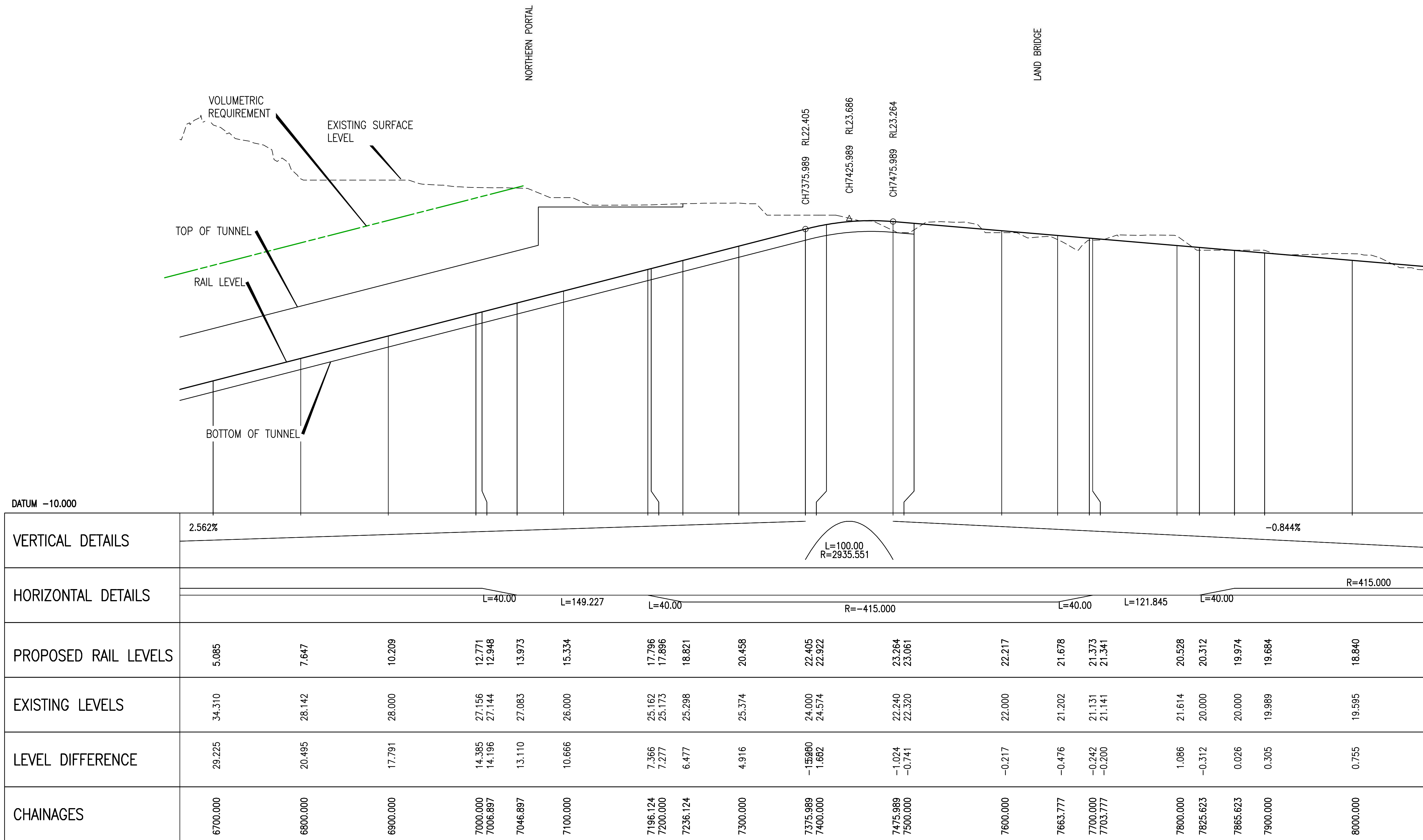
NOTE  
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

UP CRR

				Associated Job Nos		Survey Data		<div>Scale: 1:2500 / 1:5000</div> <div>0 25 50 75 100m</div>		BRISBANE CITY					LONGITUDINAL SECTION – UP CRR TRACK SHEET 4					 <div>Queensland Government</div>			
						Datum		GDA94		CROSS RIVER RAIL													
				Auxiliary Drg Nos		Horiz. Grid		HORIZONTAL		REFERENCE DESIGN (CHANGED PROJECT)					Drawn SG ENGINEERING CERTIFICATION (RPEQ) ENG. AREA NAME SIGNATURE NO. DATE CIVIL J. DONOHUE 7835 14/10/16					Job No.			
C MINOR REVISION 20/01/17						Height Origin		VERTICAL		Reference Points										Contract. No.			
B MINOR REVISION 02/11/16						Survey Books		Dimensions shown in except where shown otherwise		Preceding Dist. to start From start to end of job From end to Following Following RP RP					Designed		Drawing No.		C				
A ISSUE FOR RFPC 14/10/16															JD					Series Number		of	
Revisions/Descriptions				Certification		Date		Microfiled												MRR_Detail (06/13)			
CAD FILES C:\projectwise\bne_projects\luke.cruickshank\dms97294\CRR-0002-AL-LS-164.dwg										Through Chainage from													

NOT FOR  
CONSTRUCTION

7 February 2017



NOTE

1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

UP CRR

Last Modified : Feb 07, 2017 - 10:27am XREFS :- MRR\_DETAIL\_A1\_Ref.dwg : X-CRR-DRAI-0001-LS-165.dwg : BRT-CRR-DRAI-10-RAIL-LONG\_SECTIONS.dwg

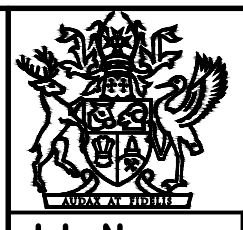
B	MINOR REVISION		02/11/16		
A	ISSUE FOR RFPC		14/10/16		
Revisions/Descriptions		Certification	Date	Microfiled	

Associated Job Nos	Survey Data
	Datum GDA94
Auxiliary Drg Nos	Horiz. Grid
	Height Origin
	Survey Books

A1 / A3	0 25 50 75 100m
1:2500 / 1:5000	
A1 / A3	0 5 10 15 20m
1:500 / 1:1000	
Dimensions shown in except where shown otherwise	

BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

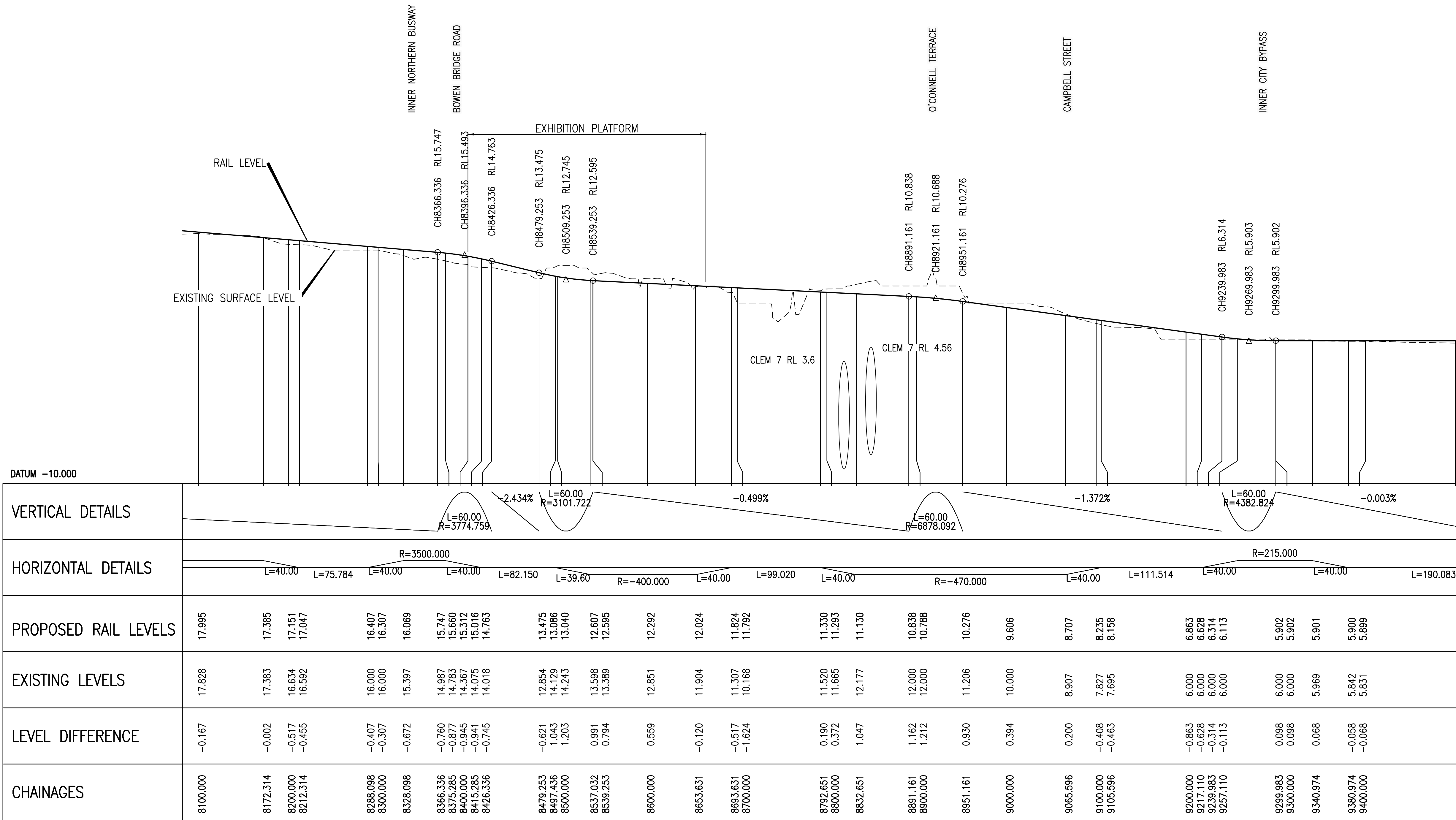
LONGITUDINAL SECTION - UP CRR TRACK SHEET 5				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
SG	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	J. DONOHUE		7835 14/10/16
JD				

 Queensland Government	
Job No.	
Contract No.	
Drawing No.	C
Series Number	of
MRR_Detail (06/13)	



NOT FOR  
CONSTRUCTION

1 November 2016



NOTE  
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

UP CRR


Nov 01, 2016 - 4:49pm  
Last Modified : - :  
XREFS :- MRR\_DETAIL\_A1\_Rev.dwg ; X-CRR-DRAI-0001-LS-ECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL-LONG\_SECTIONS.dwg

B	MINOR REVISION			02/11/16	
A	ISSUE FOR RFPC			14/10/16	
	Revisions/Descriptions	Certification	Date	Microfiled	

Associated Job Nos	Survey Data	
	Datum	GDA94
Auxiliary Drg Nos	Horiz. Grid	
	Height Origin	
	Survey Books	
		A1 / A3 1:2500 / 1:5000 HORIZONTAL A1 / A3 1:500 / 1:1000 VERTICAL Dimensions shown in except where shown otherwise

BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION - UP CRR TRACK SHEET 6					
Drawn SG	ENGINEERING CERTIFICATION (RPEQ)				
	ENG. AREA	NAME	SIGNATURE	NO.	DATE
Designed JD	CIVIL	J. DONOHUE		7835	14/10/16

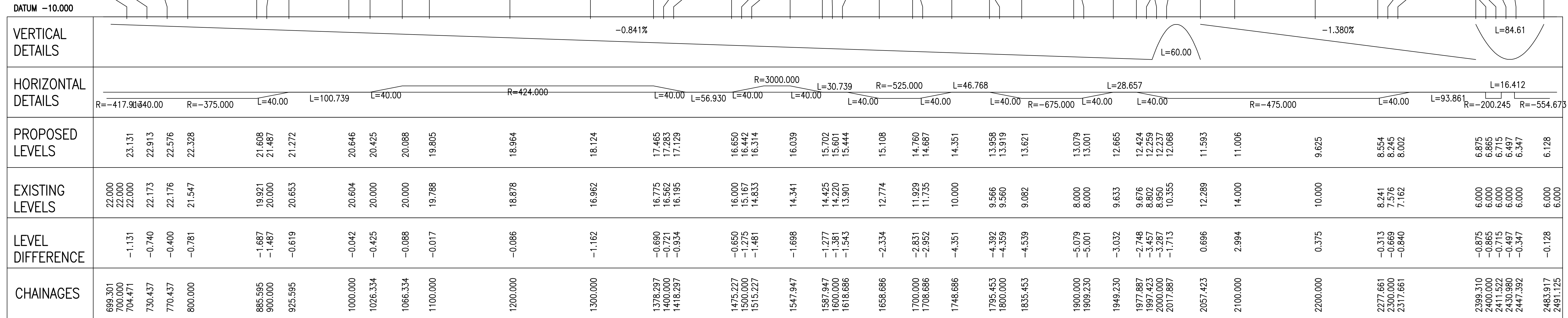
 Queensland Government	
Job No.	
Contract No.	
Drawing No.	B
Series Number	of
MRR_Detail (06/13)	

1 November 2016

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1 November 2016

[illegible]