

This diagram illustrates the proposed rail alignment from the 'AT GRADE' section to the 'BOGGO ROAD STATION'. Key features include:

- UPSTAND WALL:** Located at the start of the alignment.
- CANTILEVER PILE:** A long section of the alignment supported by a dense row of vertical piles.
- CUT & COVER:** A section of the alignment where the track is excavated and covered by a structure.
- EXISTING FREIGHT OVERPASS:** A structure crossing over the proposed rail alignment.
- BOGGO ROAD STATION:** The terminus of the proposed alignment.
- EXISTING SURFACE LEVEL:** Indicated by a dashed line, showing the ground level before construction.

AT GRADE

UPSTAND WALL

CANTILEVER PILE

CUT & COVER

SURFACE LEVEL

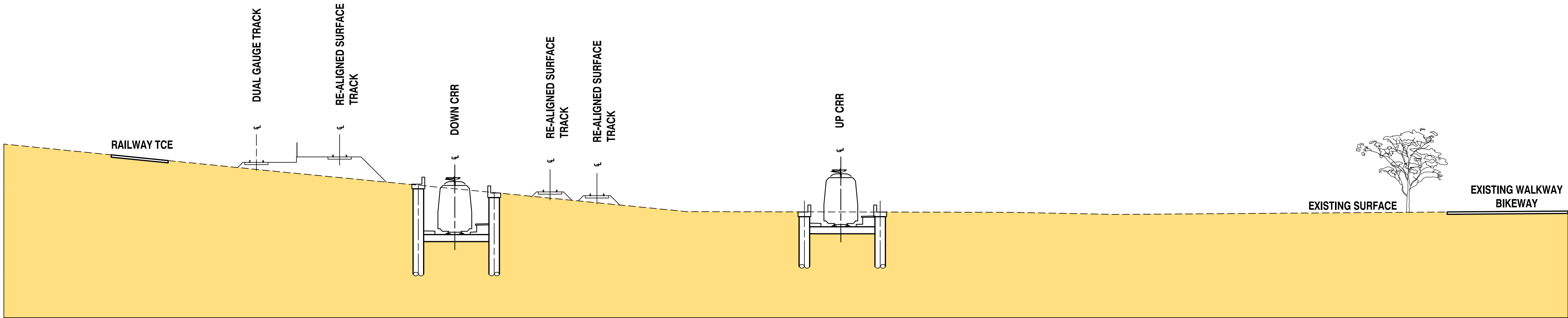
BOGGO ROAD STATION

EXISTING FREIGHT OVERPASS

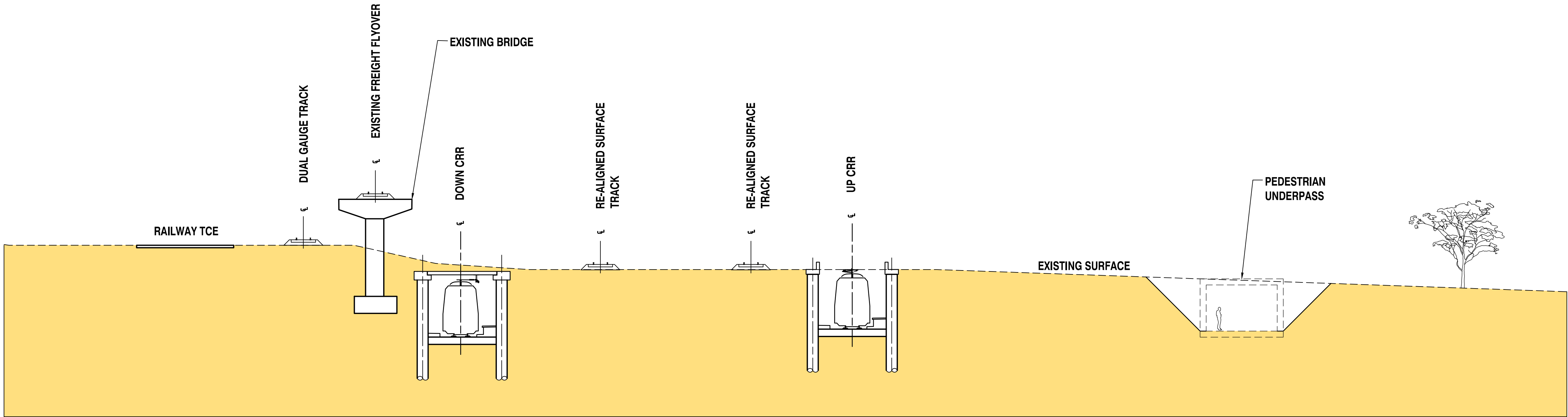
[illegible]

NOT FOR  
CONSTRUCTION

30 March 2017



SECTION A  
CH 1220 DOWN TRACK

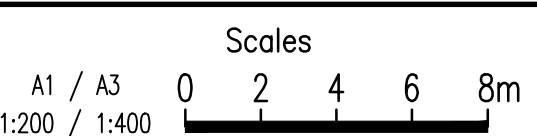


SECTION B  
CH 1345 DOWN TRACK

Mar 30, 2017 - 3:51pm  
Last Modified : -  
XREFS : - MRR-DETAIL\_A1\_Ref.dwg ; X-CRR-DTUN-0001-SOUTHERN\_PORTAL\_SECTIONS.dwg


C	SCALE UPDATES		30/03/17		
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
	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				

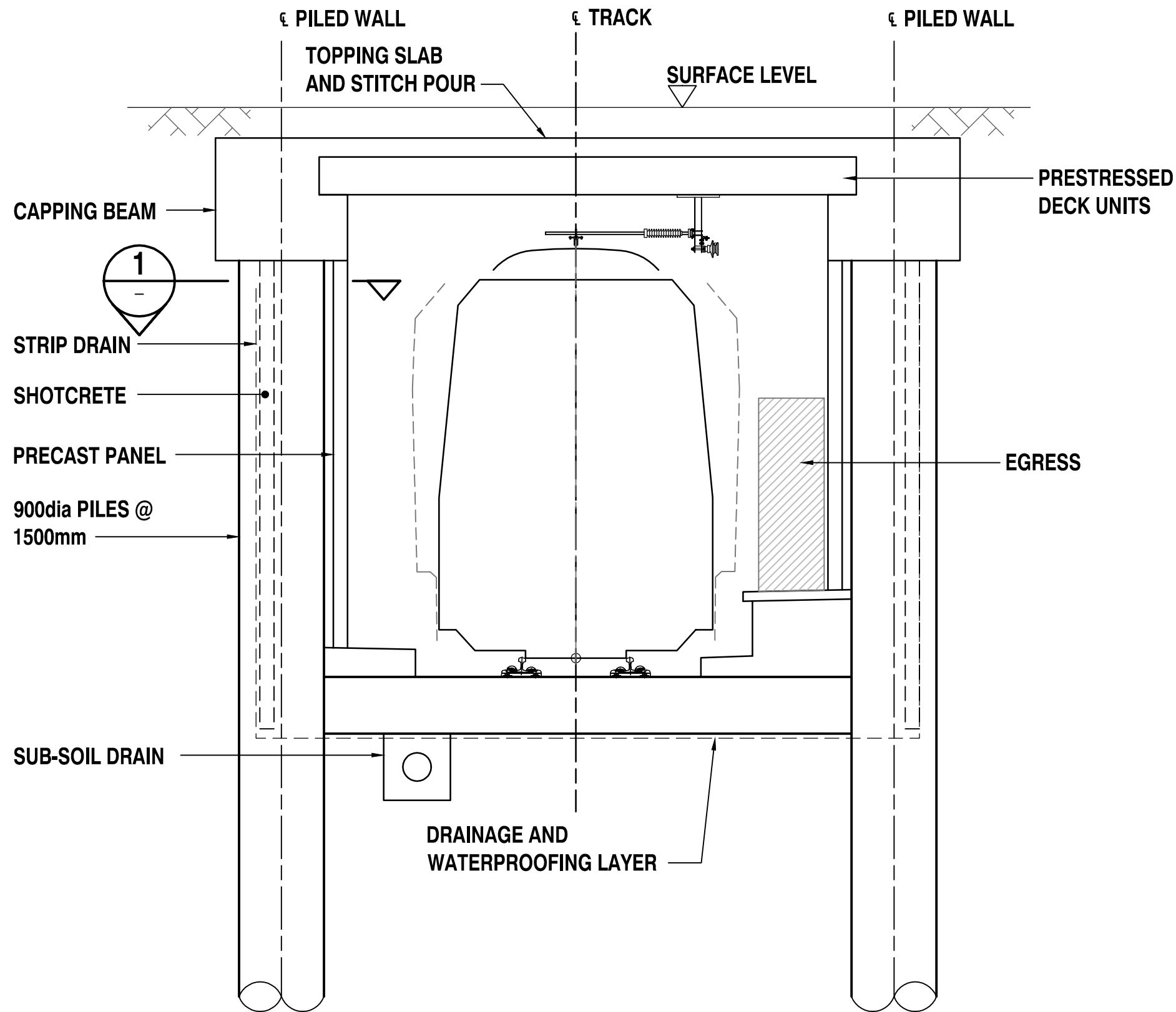
TUNNEL WORKS SOUTHERN PORTAL TYPICAL SECTIONS				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
NPK	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	J. DONOHUE		7835 14/10/16
JD				

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

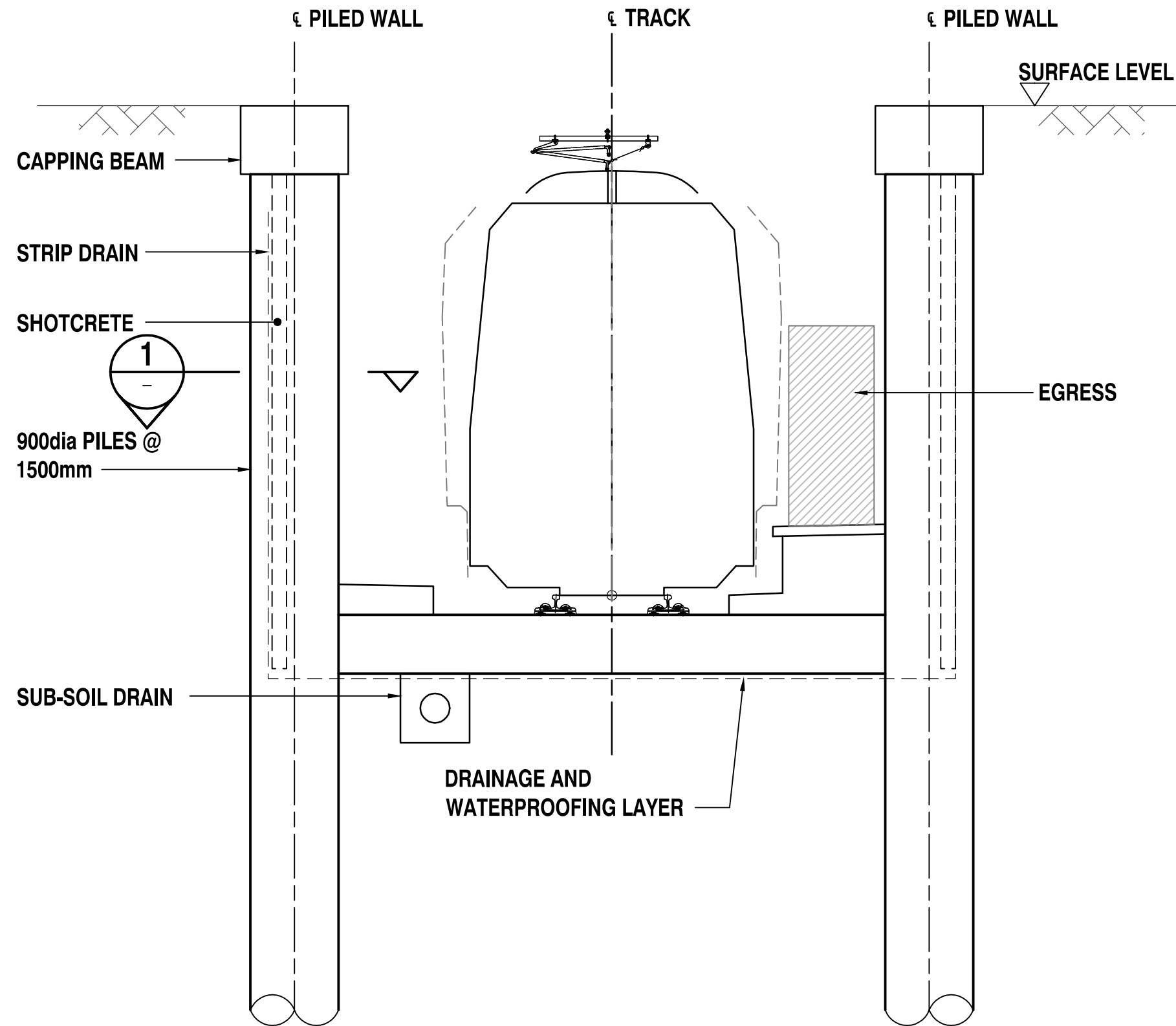


NOT FOR  
CONSTRUCTION

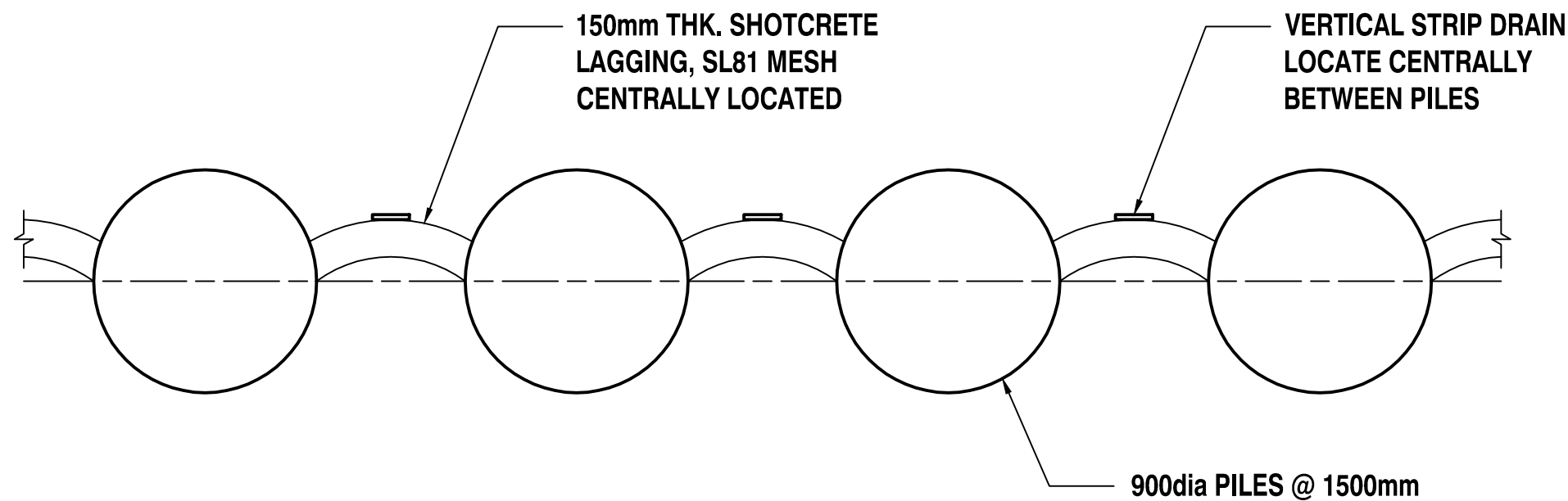
30 March 2017



CUT AND COVER  
TYPICAL SECTION



TROUGH STRUCTURE - CANTILEVER PILE  
TYPICAL SECTION



SECTION 1

Mar 30, 2017 - 4:11pm  
XREFS :- MRR\_DETAIL\_A1\_Rev.dwg ; X-CRR-DTUN-0001-SOUTHERN\_PORTAL\_SECTIONS.dwg  
Last Modified :-


C	SCALE UPDATES		30/03/17		
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

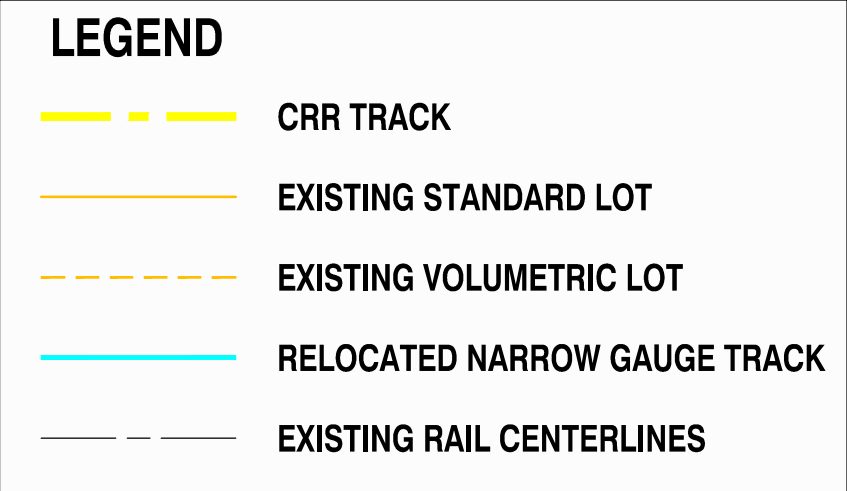
A1 / A3 1:50 / 1:100	Scales 0 1 2m
A1 / A3 1:25 / 1:50	0 0.5 1m
Dimensions shown in except where shown otherwise	

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				

TUNNEL WORKS SOUTHERN PORTAL TYPICAL DETAILED SECTIONS				
Drawn NPK	ENGINEERING CERTIFICATION (RPEQ)			
Designed JD	ENG. AREA CIVIL	NAME J. DONOHUE	SIGNATURE	NO. 7835 DATE 14/10/16

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

30 March 2017



BORED TUNNEL

CUT AND COVER

PROPPED CANTILEVER

CANTILEVER PILE

CANTILEVER UPSTAND

AT GRADE

EXISTING SURFACE

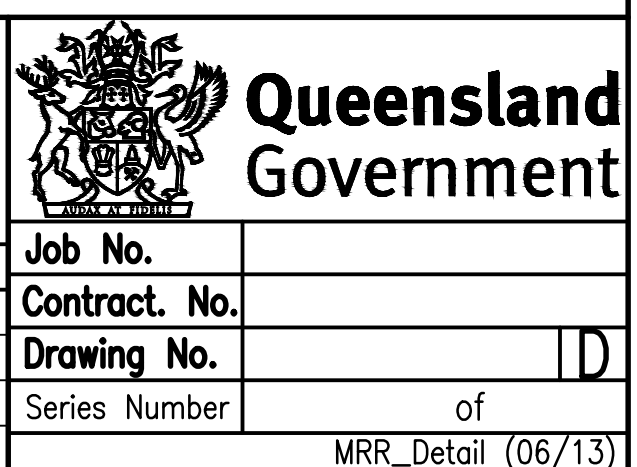
TBM EXTRACTION AREA  
LENGTH TBC

[illegible]

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

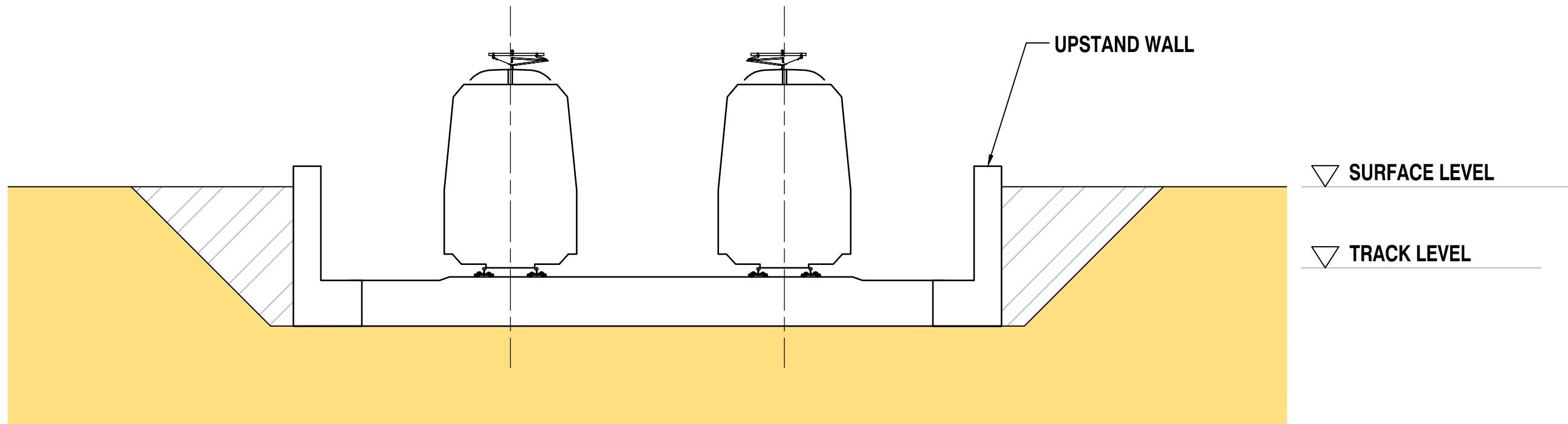
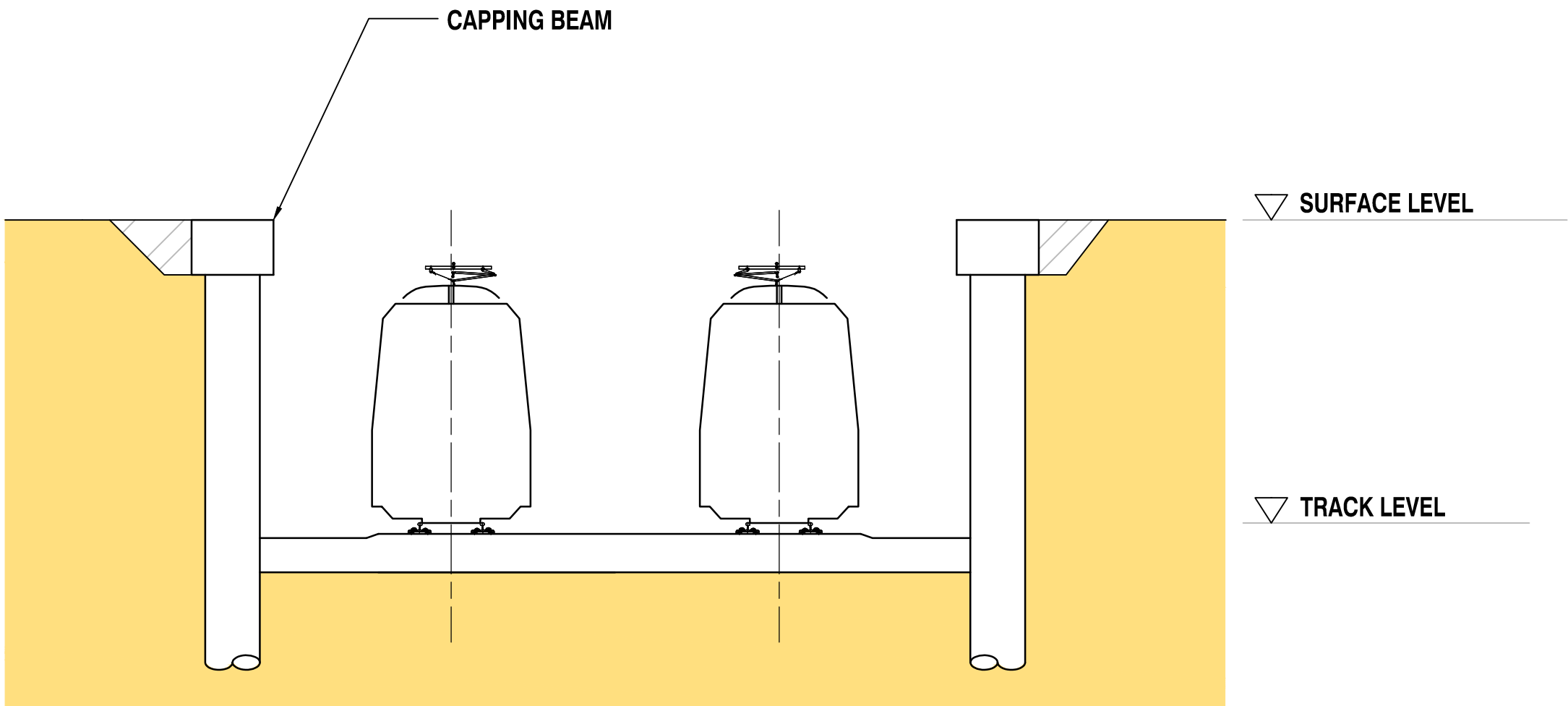
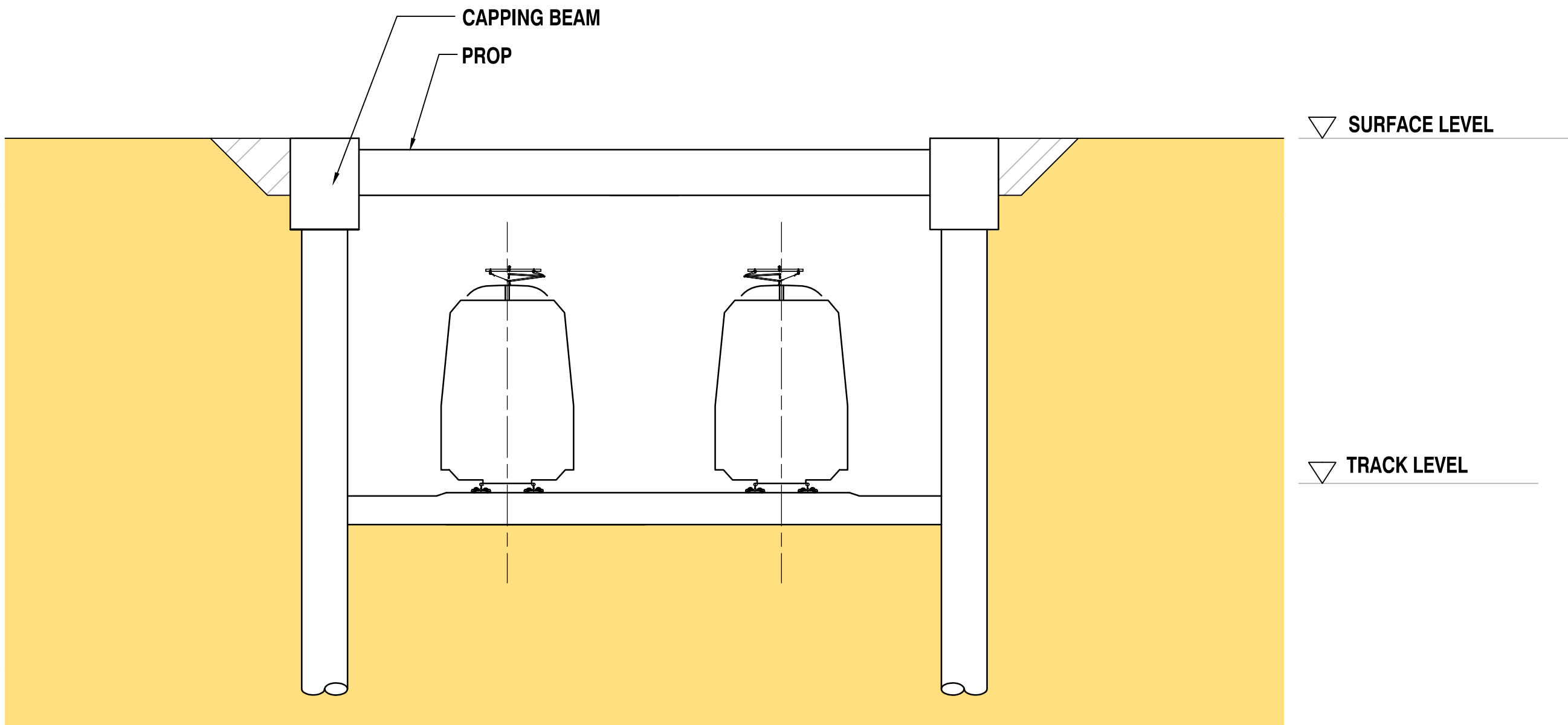
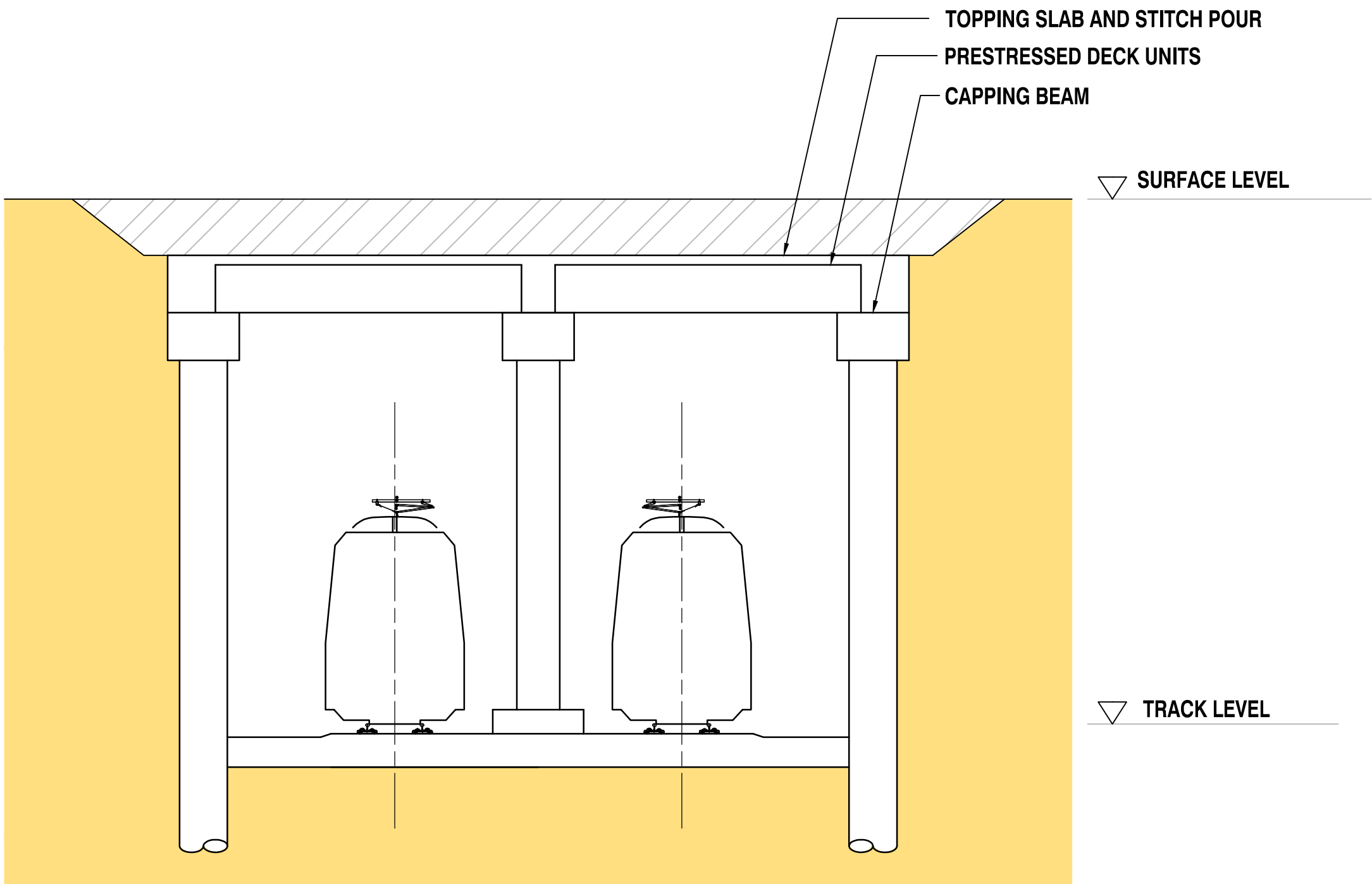
BRISBANE CITY				
CROSS RIVER RAIL				
<i>REFERENCE DESIGN (CHANGED PROJECT)</i>				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

<p style="text-align: center;"><b>TUNNEL WORKS</b>  <b>NORTHERN PORTAL</b>  <b>GENERAL ARRANGEMENT</b></p>					
Drawn	ENGINEERING CERTIFICATION (RPEQ)				
NPK	ENG. AREA	NAME	SIGNATURE	NO.	DATE
Designed	CIVIL	J. DONOHUE		7835	14/10/16
JD					




NOT FOR  
CONSTRUCTION

30 March 2017



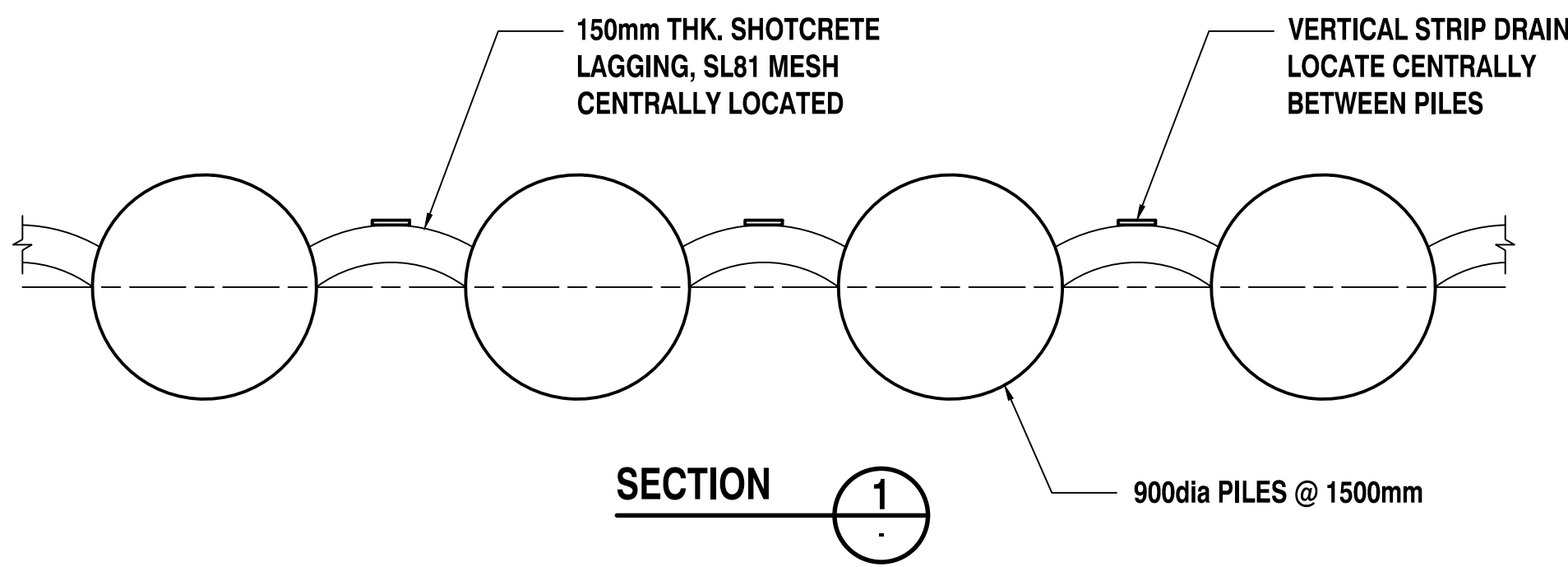
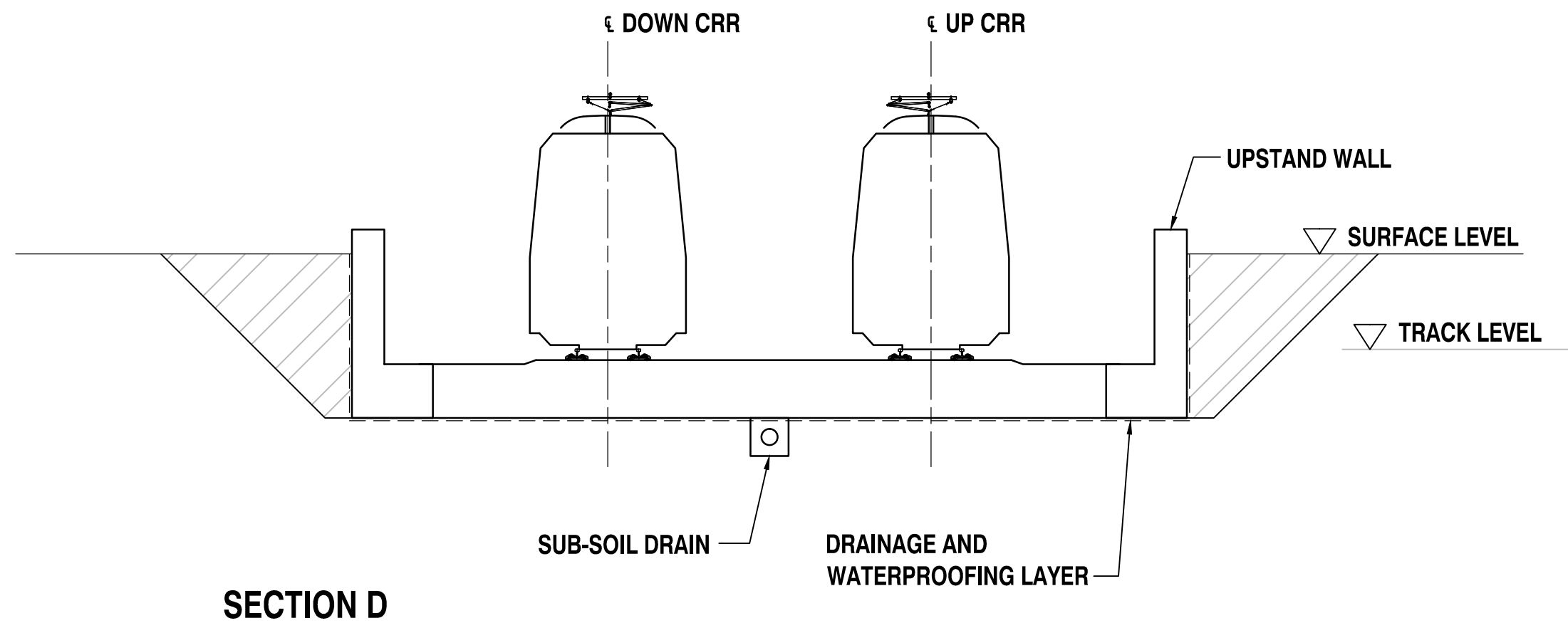
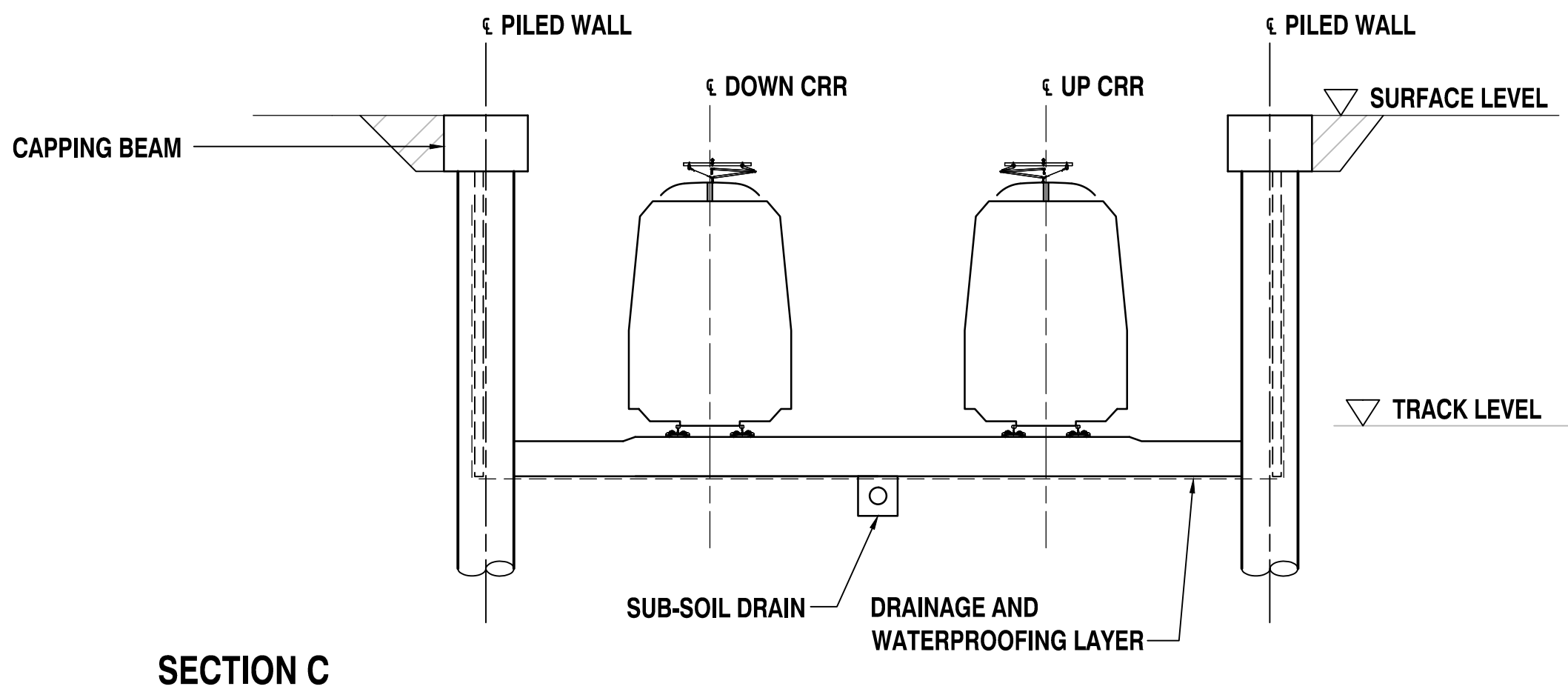
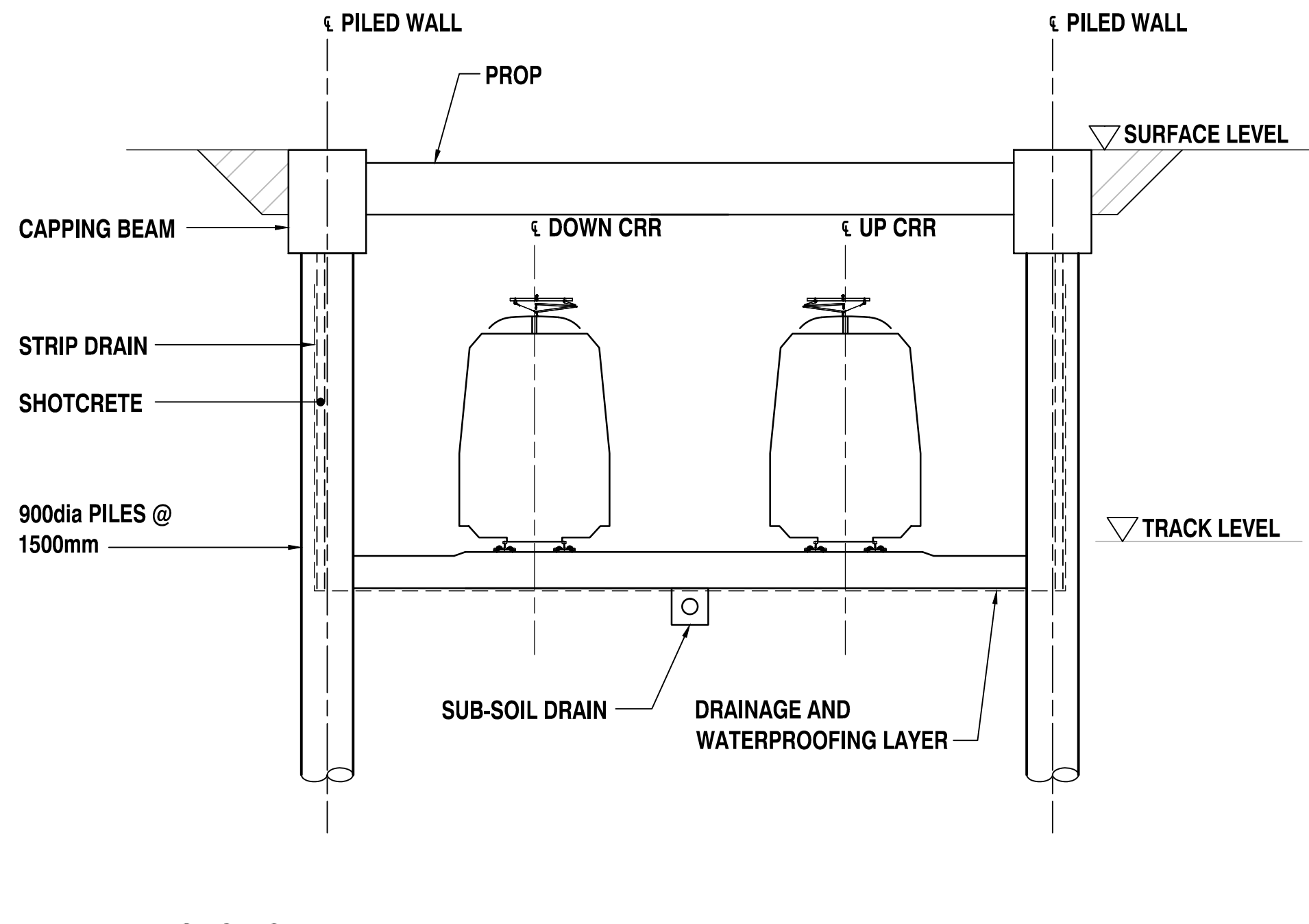
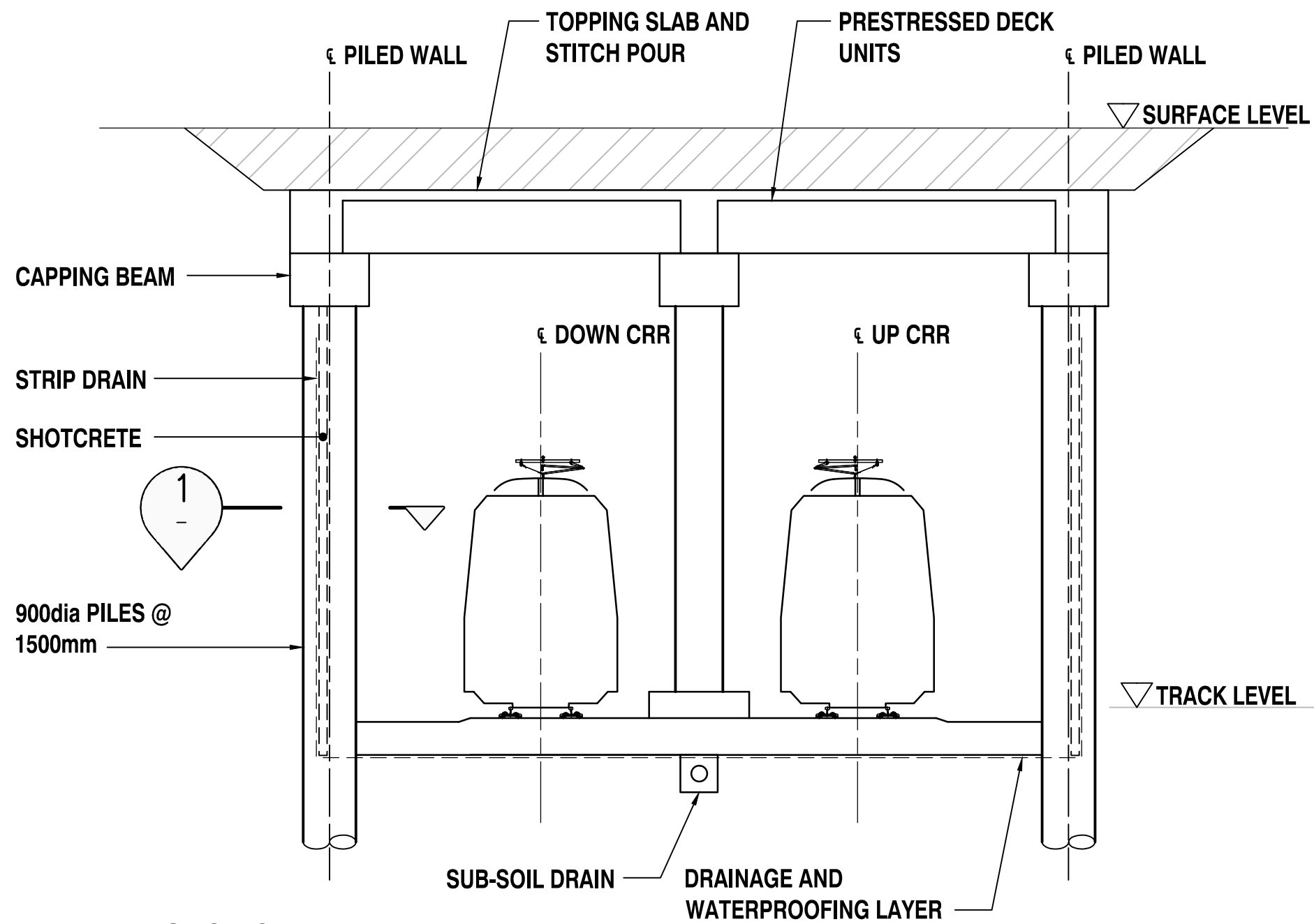
Mar 30, 2017 - 4:12pm  
Last Modified : -  
XREFS :- MRR\_DETAIL\_A1\_Ref.dwg ; X-CRR-DTUN-0001-NORTHERN\_PORTAL\_SECTIONS.dwg

					Associated Job Nos	Survey Data		Scales NOT TO SCALE	BRISBANE CITY					TUNNEL WORKS NORTHERN PORTAL TYPICAL SECTIONS						<b>Queensland Government</b>										
						Datum	GDA94		CROSS RIVER RAIL																					
					REFERENCE DESIGN (CHANGED PROJECT)																									
C	SCALE UPDATES		30/03/17		Auxiliary Drg Nos	Horiz. Grid	Reference Points					Drawn	ENGINEERING CERTIFICATION (RPEQ)					Job No.												
B	MINOR REVISION		02/11/16			Height Origin	Preceding RP		Dist. to start of job (km)	From start to end of job	From end to Following RP		Following RP	NPK	ENG. AREA	NAME	SIGNATURE	NO.				DATE	Contract No.							
A	ISSUE FOR RFPC		14/10/16			Survey Books	Dimensions shown in except where shown otherwise					Designed	CIVIL	J. DONOHUE		7835	14/10/16	Drawing No.		C										
Revisions/Descriptions		Certification	Date	Microfiled															Series Number		of									
CAD FILES		C:\projectwise\bne_projects\stephen.grigg2\dms97298\CRR-0002-PTL-GA-205.dwg																	Through Chainage from					JD					MRR_Detail (06/13)	



NOT FOR  
CONSTRUCTION

30 March 2017



Last Modified : 30 Mar 2017 - 4:13pm  
XREFS :- MRR\_DETAIL\_A1\_Ref.dwg ; X-CRR-DTUN-0001-NORTHERN\_PORTAL\_SECTIONS.dwg

C	SCALE UPDATES		30/03/17	
B	MINOR REVISION		02/11/16	
A	ISSUE FOR RFPC		14/10/16	
Revisions/Descriptions		Certification	Date	Microfiled

Associated Job Nos	Survey Data	Scales NOT TO SCALE
	Datum GDA94	
Auxiliary Drg Nos	Horiz. Grid	
	Height Origin	
	Survey Books	
		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				

TUNNEL WORKS NORTHERN PORTAL TYPICAL DETAILED SECTIONS				
Drawn NPK	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)	