

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Cross River Rail Delivery Authority under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute as follows: "(c) *Cross River Rail Delivery Authority 2023, licensed under the CC BY 4.0 Licence, prepared by the State of Queensland (Department of Transport and Main Roads)*". This licence does not apply to logos or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for the Cross River Rail Delivery Authority use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://qgd.org.au/>



Queensland
Government

ENGINEERING
TEST PIT LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

EXCAVATION No **CRR950**

Sheet 1 of 1

DATE EXCAVATED **19/07/2018**

PROJECT	Cross River Rail (CRR) Project - Additional Geotechnical Investigation			REFERENCE NUMBER	T00550
LOCATION	Yeerongpilly Station			COORDINATES	501443.50E; 6955545.50N
PROJECT No	FG6470	SURFACE R.L.	12.95m	HEIGHT DATUM AHD	
				BEARING	
				GRID DATUM	MGA94
JOB No		PLANT TYPE AND MODEL	5t	BUCKET SIZE	450mm
				CONTRACTOR	Excavator

DEPTH (m)	R.L. (m)	AUGER BUCKET (BLADE) BUCKET (TEETH) ROCK RIPPER	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	Dynamic Cone Penetrometer (DCP) Blows Per 100mm	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0.25	12.70		A	GRAVEL with Cobbles (Fill)		(GP)		LL= 39% PI= 22%	
			B	Brown and black, dry, loose. Fine to coarse sub-angular to angular gravel. Ballast.				MC= 18.4% LS= 18%	
			C	Silty CLAY (Fill)				<75µm= 54%	
			D	Dark red and brown, moist, soft. High plasticity.				CBR= 4.5%	
				at 0.32m: dark brown, firm to stiff					
			E	at 0.49m: red-brown		(CH)			
0.95	12.00			Sandy CLAY (Alluvium)		(CI)			
1				Grey, dark brown mottled red and yellow, moist, soft to firm. Medium plasticity. Fine grained sand.					
2.00	10.95		F					LL= 70% PI= 48%	BULK
				Excavation completed at 2.00m.				MC= 23% LS= 16%	
								<75µm= 79%	
								CBR= 2%	
3									
4									
5									

REMARKS	LOGGED BY MP	REVIEWED BY SF
REFER TO ATTACHED TEST PIT LOG PHOTOGRAPHS.		

TEST PIT LOG PHOTOGRAPHS

Project Name	CRR 2018		
Project No.	FG6470	Date	19/07/2018
Test Pit No.	CRR950	Reference No.	T 00550



Photograph 1: Test pit profile

TEST PIT LOG PHOTOGRAPHS

Project Name	CRR 2018		
Project No.	FG6470	Date	19/07/2018
Test Pit No.	CRR950	Reference No.	T 00550



Photograph 2: Upper soil profile.

Photograph 3: NA