

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 **CRR934**

Sheet 1 of 1

DATE EXCAVATED **02/08/2018**

PROJECT	Cross River Rail (CRR) Project - Additional Geotechnical Investigation				REFERENCE NUMBER	T00544		
LOCATION	Salisbury Station				COORDINATES	502215.90E; 6952173.50N		
PROJECT No	FG6470	SURFACE R.L.	10.35m	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)					ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
							Blows Per 100mm								
							0	5	10	15	20	25	30		
0.26	10.09		A	Silty Sandy GRAVEL / COBBLES (Fill) Dark brown and dark grey, dry, medium dense. Medium to coarse, angular to sub-angular. Fine to coarse grained sand. Ballast. Trace rootlets.	(GM)										BULK
			B	Gravelly SAND (Fill) Pale brown, moist, medium dense. Medium to coarse, sub-angular. Fine to medium grained sand.	(GP)										BULK
0.75	9.60		C	Silty SAND (Fill) Brown, grey, moist, medium dense. Fine to medium grained sand. Some rootlets.	(SM)										BULK
0.90	9.45			Sandy CLAY (Residual) Red, brown mottled grey, moist, very stiff. Low to medium plasticity. Fine to medium grained sand. Trace rootlets.											
1			D		(CH)										BULK
2.02	8.35		Excavation completed at 2.00m.												
3															
4															
5															

LL= 62% PI= 40%
MC= 22.4% LS= 16%
<75µm= 63%
CBR= 4%

REMARKS	LOGGED BY HM	REVIEWED BY SF
---------	-----------------	-------------------

REFER TO ATTACHED TEST PIT LOG PHOTOGRAPHS.

TEST PIT LOG PHOTOGRAPHS



Project Name	CRR 2018		
Project No.	FG6470	Date	02/08/2018
Test Pit No.	CRR934	Reference No.	T 00544



Photograph 1: Test pit profile

TEST PIT LOG PHOTOGRAPHS

Project Name	CRR 2018		
Project No.	FG6470	Date	02/08/2018
Test Pit No.	CRR934	Reference No.	T 00544



Photograph 2: Site photograph before excavation



Photograph 3: DCP test