

## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence*". This licence does not apply to the Queensland Government logo 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 Departmental 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/>

# TEST PIT LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/6-2010

FEATURE No TP02  
SHEET 1 of 1  
DATE EXCAVATED 13/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C  
LOCATION Cut 1 COORDINATES 473299.0 E; 7087582.9 N  
PROJECT No FG5799 SURFACE R.L. 81.40 DATUM AHD SYSTEM MGA94 Zone 56  
JOB No 232/10A/2 EQUIPMENT TYPE AND MODEL JCB Backhoe BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	BUCKET	METHOD	USC	WEATHERING	SOIL DESCRIPTION SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	0	4	8	12	16-20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	81.40														
	81.26			CH		<b>TOPSOIL</b> Dark brown, moist, firm, high plasticity, silty clay. Organics throughout									
				CH		<b>Silty CLAY (Residual)</b> Dark brown to red, moist, firm.							LL = 70; PI = 42; LS = 18.6; MC = 32.5%; WPI=3764, WLS=1674, EC=4	11G0703	24S14
1	80.40														
	80.00			CI		<b>Sandy CLAY (Residual)</b> Light brown to orange, dry, stiff. Intermediate plasticity; trace gravel.							LL = 50; PI = 28; LS = 14.6; MC = 16.9%; WPI=2042, WLS=1080	11G0704	24915
	79.65			HW		<b>METASILTSTONE (HW)</b> When excavated exhibits the engineering properties of dark grey, sandy gravel.							LL = 36; PI = 17; LS = 9.8; MC = 9.3%; WPI=146, WLS=86	11G0705	24916
2						Excavation terminated at 1.75m									
3															
4	77.40														

Backfilled excavation



Test pit profile



Excavated material from 1.4-1.75m



REMARKS MC-Moisture Content, LL-Liquid Limit, PI-Plastic Index, LS-Linear Shrinkage, WPI=PI x % pass 0.425mm sieve,  
WLS=LS x % pass 0.425mm sieve, FSV-Field Shear Vane, PP-Pocket Penetrometer, EC-Emerson Class Number

LOGGED BY  
JD/JA