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TEST PIT LOG

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

FEATURE No TP03
SHEET 1 of 1
DATE EXCAVATED 13/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 2 COORDINATES 473324.2 E: 7088323.7 N
PROJECT No FG5799 SURFACE R.L. 80.70 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	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	80.70								
80.52				CI	TOPSOIL Brown, moist, soft to firm, silty clay. Intermediate plasticity, organics throughout.				
80.00				CH	Silty CLAY (Residual) Dark grey mottled with light brown, moist, stiff. High plasticity, trace sand and gravel.		LL = 54; PI = 27; LS = 18.6; MC = 29.9%; WPI=2295, WLS=1581	11G0707	24903
1				XW-HW	METASILTSTONE (XW-HW) When excavated exhibits the engineering properties of light grey mottled with orange, moist, hard, silty clay. Polished rock fabric visible in parts.		LL = 35; PI = 14; LS = 9.2; MC = 11.5%; WPI=207, WLS= 138	11G0708	24904
2									
3	77.70				2.7-3.0m: Dark blue, high strength, SW cobbles present (possible dyke).		LL = 33; PI = 13; LS = 8.8; MC = 8.9%; WPI=221, WLS=150, EC=2	11G0709	24905
4	76.70				Excavation terminated at 3m				

Site before excavation



Test pit profile



Excavated material from 2.7-3.0m



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

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