TEST PIT LOG

Queensland Government

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)	METHOD	USC	WEATHERING	SOIL DESCRIPTION / ROCK DESCRIPTION	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	80.70	BUCKET			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		
	80.52		CI		**TOPSOIL** Brown, moist, soft to firm, silty clay. Intermediate plasticity, organics throughout.			
			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
	80.00				**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.			
1			XW-HW			LL = 35; PI = 14; LS = 9.2; MC = 11.5%; WPI=207, WLS= 138	11G0708	24904
2					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
3	77.70				Excavation terminated at 3m			
4	76.70							

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_{kPa}-Pocket Penetrometer, EC-Emerson Class Number

LOGGED BY JD/JA

QLD_DMR_LIB_01A.GLB Log A_TEST PIT LOG FG5799 - BRUCE HIGHWAY SECTION C TEST PIT LOGS.GPJ DWG5C302.GDW Datgel CPT Tool gINt Add-In 29/11/2011 09:00