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TEST PIT LOG

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

FEATURE No TP21
SHEET 1 of 1
DATE EXCAVATED 06/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 14 COORDINATES 470754.0 E; 7096810.2 N
PROJECT No FG5799 SURFACE R.L. 74.50 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	0 4 8 12 16 >20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				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	74.50	BUCKET		TOPSOIL		MC = 32.5%	11G0628	24789
	74.35			Clayey Gravel (Residual)		FSV=172.5/32.1 kPa		
			GC	Brown to grey, moist, stiff. Gravel is medium sized siltstone.		LL = 45; PI = 19;	11G0629	24934
	73.90			SILTSTONE HW:		LS = 11.6; MC = 21%;		
				When excavated exhibits the engineering properties of grey to brown, dry, very dense, sandy gravel with cobbles.		WPI=984 WLS=615		
			HW			PP _(Su) =100kPa		
1								
2						LL = 30; PI = 10;		
						LS = 6.2; MC = 8%;	11G0630	24935
						WPI=124, WLS=81, EC=2		
3								
	71.30			Excavation terminated at 3.2m				
4	70.50							

Site before excavation



Test pit profile



Excavated material from 0.6-3.2m



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_(Su)-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 DWG58302.GDW Digital CPT Tool GINX Add-in 28/11/2011 09:01