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TEST PIT LOG

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

FEATURE No TP36
SHEET 1 of 1
DATE EXCAVATED 14/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Embankment 5 COORDINATES 472880.0 E; 7091336.9 N
PROJECT No FG5799 SURFACE R.L. 76.10 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 BUCKET	USC WEATHERING	SOIL DESCRIPTION SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	VDCP LOG (Cone Resistance)	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	VDCP36 (MPa)			
0	76.10				0 4 8 12 16>20			
	75.92		ML	TOPSOIL Brown, moist, firm, gravelly silt. Low plasticity, gravel up to 40mm, organics throughout.				
				Sandy CLAY (Residual) Dark red to brown, dry, very stiff to hard.		LL = 54; PI = 30; LS = 14.4; MC = 19.3%; WPI=2484, WLS=1181	11G0728	25212
			CH	High plasticity				
1								
	74.90			SILTSTONE XW: When excavated exhibits the properties of pale grey to brown, moist, hard, gravelly clay.		MC = 15.7%	11G0729	24875
			XW			MC = 17.6%	11G0730	24875
2								
	73.60			Excavation terminated at 2.5m				
3								
4	72.10							

Site before excavation



Test pit profile



Excavated material from 0.18-1.2m



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, PP₁₀₀-Pocket Penetrometer, EC-Emerson Class Number

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