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TEST PIT LOG

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

FEATURE No TP39
SHEET 1 of 1
DATE EXCAVATED 18/7/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Embankment 7 COORDINATES 472260.0 E; 7093236.6 N
PROJECT No FG5799 SURFACE R.L. 65.40 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)	METHOD	USC WEATHERING	SOIL DESCRIPTION SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	VDCP LOG (Cone Resistance) VDCP39 (MPa)	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
0	65.40	BUCKET			0 4 8 12 16 >20			
	65.10		CH	TOPSOIL Dark brown, moist to wet, soft, silty clay. High plasticity, organic odour, trace gravel up to 10mm.				
			CL-ML	Sandy SILT (Alluvium?) Dark brown, wet, stiff to very stiff. Low plasticity.		FSV= 158/26 kPa LL = 26; PI = 8; LS = 4.8; MC = 24.4%; WPI=730, WLS=451	11G0767	25210
1	64.40		ML	Clayey Sandy SILT (Residual) Brown to grey, wet, very stiff to hard. Low plasticity		MC = 22.9%	11G0768	24875
	63.10							
	62.80		HW	SANDSTONE HW: When excavated exhibits the properties of grey to brown, moist, sandy gravel with boulders.				
				Excavation terminated at 2.6m				
3								
4	61.40							

Site before excavation



Test pit profile



Excavated material from 0.3-1.0m



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_{C30}-Pocket Penetrometer, EC-Emerson Class Number

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