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# TEST PIT LOG

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

FEATURE No TP33  
SHEET 1 of 1  
DATE EXCAVATED 11/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C  
LOCATION Embankment 4 COORDINATES 472857.3 E; 7090149.7 N  
PROJECT No FG5799 SURFACE R.L. 77.50 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	WEATHERING	SOIL DESCRIPTION SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	VDCP LOG (Cone Resistance) VDCP33 (MPa) 0 4 8 12 16>20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	77.50	BUCKET	USC	ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
0	77.40		ML	<b>TOPSOIL</b> Brown, dry, firm, gravelly silt. Low plasticity, organics throughout, gravel up to 20mm.				
				<b>Silty CLAY (Residual?)</b> Dark brown mottled with red grey, moist, hard.				
			CH	High plasticity, trace sand and gravel.		LL = 74; PI = 46; LS = 19.8; MC = 25.9%; WPI=4250, WLS=1841 PP <sub>(s<sub>0</sub>)</sub> > 300 kPa	11G0679	25134
1								
	76.10			<b>Gravelly CLAY Residual?</b> Brown grey mottled with red, moist, hard.				
				Gravel fraction is medium grained.				
2			CI			MC = 19.7%	11G0680	24871
3								
	74.30			Excavation terminated at 3.2m				
4	73.50							

Site before excavation



Test pit profile



Excavated material from 0.1-1.4m



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<sub>0.1</sub>-Pocket Penetrometer, EC-Emerson Class Number

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