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TEST PIT LOG

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

FEATURE No TP27
SHEET 1 of 1
DATE EXCAVATED 13/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Embankment 1 COORDINATES 473365.3 E; 7088038.3 N
PROJECT No FG5799 SURFACE R.L. 67.20 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)	BUCKET	METHOD	USC	WEATHERING	SOIL DESCRIPTION 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	VDCP LOG (Cone Resistance) VDCP27 (MPa)	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	67.20							0 4 8 12 16 20			
	66.97				ML	TOPSOIL Brown, moist, firm, clayey silt. Low plasticity, organics throughout, occasional gravel up to 10mm.					
					SC	Clayey SAND (Alluvium) Light brown, dry, stiff.			LL = 43; PI = 22; LS = 11.4; MC = 17.6%; WPI=1167, WLS=593	11G0715	25183
1	66.20				ML	Sandy Clayey SILT (Alluvium) Dark red to brown, moist, stiff to very stiff.			MC = 22.7%	11G0716	24854
2	65.10				CH	Silty CLAY (Alluvium) Dark grey mottled with red, moist, very stiff to hard.			MC = 20.9%	11G0717	24854
3						High plasticity			FSV=152/41 kPa		
4	63.20										

Excavation terminated at 4m
Site before excavation



Test pit profile



Excavated material from 0.23-1.0m



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-Pocket Penetrometer, EC-Emerson Class Number

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