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TEST PIT LOG

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

FEATURE No TP40
SHEET 1 of 1
DATE EXCAVATED 08/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Embankment 8 COORDINATES 471879.1 E; 7094151.1 N
PROJECT No FG5799 SURFACE R.L. 63.80 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)	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
					ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	VDCP40 (MPa)			
0	63.80	BUCKET				0 4 8 12 16 >20			
					Clayey SILT (Alluvium) Dark brown, wet, very soft. Low plasticity		FSV=8/3 kPa MC = 33% 0.5m: Moderate water seepage	11G0645	24800
1	62.90				Sandy CLAY (Alluvium) Brown to red, wet, soft. Low plasticity, trace gravel.		LL = 28; PI = 9; LS = 6.8; MC = 22.5%; WPI=733, WLS=551 FSV=22/6 kPa	11G0645	24960
	62.40				Sandy Clayey GRAVEL (Alluvium?) Grey to brown, wet, loose and becoming medium dense with depth. Occasional sandstone cobbles.				
2									
3	60.80						3.0m: Excavation terminated due to pit sides collapsing.		
4	59.80				Excavation terminated at 3m				

Site before excavation



Test pit profile



Excavated material from 0.9-1.4m



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-Pocket Penetrometer, EC-Emerson Class Number

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