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TEST PIT LOG

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

FEATURE No TP17
SHEET 1 of 1
DATE EXCAVATED 07/07/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 11 COORDINATES 471335.6 E; 7095212.9 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	0 4 8 12 16 >20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
0	76.10			TOPSOIL		MC = 21.2%	11G0650	24797
	75.80							
			CI	Sandy CLAY (Residual) Brown to orange, moist, firm. Intermediate plasticity		LL = 38; PI = 15; LS = 10; MC = 27.5%; WPI=1254, WLS=850, EC=4	11G0651	24974
	75.20							
1			XW	SANDSTONE XW: When excavated exhibits the properties of brown to orange, moist, very dense, silty gravelly sand.		LL = 31; PI = 7; LS = 5; MC = 16%; WPI=310, WLS=229, EC=4	11G0652	24973
	74.50							
2			HW	SANDSTONE HW: When excavated exhibits the properties of brown, dry, very dense silty sandy gravel with boulders up to 400mm.		LL = 31; PI = 9; LS = 5.4; MC = 12.9%; WPI=249, WLS=157	11G0653	24972
	73.70							
				Excavation terminated at 2.4m				
3								
4	72.10							

Site before excavation



Test pit profile



Excavated material from 1.6-2.4m



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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