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# TEST PIT LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/5-2009

FEATURE No TP091

SHEET 1 of 1

DATE EXCAVATED 12/02/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Southern I/C, North Bound on-ramp embankment COORDINATES 490713.1 E; 7076900.3 N

PROJECT No FG5825 SURFACE R.L. 110.10 DATUM AHD SYSTEM MGA94

JOB No 128/10A/901 EQUIPMENT TYPE AND MODEL Hitachi 5T Tracked Excavator BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	METHOD	USC WEATHERING	SOIL DESCRIPTION	DCP LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components				
				ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	(Blow Count / 100mm)			
					0 4 8 12 16 >20			
0	110.10							
	109.90		CI	<b>Silty CLAY (Topsoil)</b> Brown to dark brown, moist, firm. Rootlets; trace fine to medium grined gravel (<1%).				
			CI	<b>Silty CLAY (Fill)</b> Pale grey to mottled red and orange brown, moist, firm to stiff. Intermediate plasticity; occasional dark brown pockets; rootlets.		FSV (Su) 163/58.		
	109.30		GM	<b>Silty GRAVEL (Fill)</b> Dark brown to dark grey, moist, loose. Gravel fraction is fine to medium grained, subangular to angular; layer extends to 1.1m depth in southern end of pit.		Slight seepage		
	109.20			<b>Silty CLAY (Residual Soil)</b> Pale grey with red and orange brown mottling, moist, stiff to very stiff.  Intermediate plasticity; trace sub-rounded to sub-angular gravel (<1%).		MC = 26.5%	A	D, Bulk
			CI	Intermediate plasticity; trace sub-rounded to sub-angular gravel (<1%).		FSV (Su) 120/37.		
1								
2								
				From 2.5m: Becoming very stiff to hard.				
				At 2.8m: Conglomerate cobble, 350mm dia, very high to extremely high strength, subrounded.				
3	107.10					MC = 23.4%	B	D, Bulk
				Excavation terminated at 3m				
4	106.10							

Testpit Profile



Excavated Material



REMARKS FSV= Field shear vane (Peak/residual);

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