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TEST PIT LOG

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

FEATURE No TP086
SHEET 1 of 1
DATE EXCAVATED 08/02/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation
LOCATION Southern I/C, South Bound onramp, Embankment 1B COORDINATES 491286.4 E; 7076368.3 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				
0	110.10			ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	0 4 8 12 16 >20			
	109.75	CI		Silty CLAY (Topsoil) Dark brown, moist, soft to firm. Intermediate plasticity; trace fine to medium grained gravel; rootlets up to 25mm dia.		Seepage at 0.7m moderate to fast inflow MC = 12.3% MC = 30.2%	A B	D-Bulk D,Bulk
	109.40	CL		Silty CLAY (Fill) Pale grey, brown and orange brown mottled, moist, firm to stiff. Low plasticity; trace rootlets; trace sand. Grades into sandy silt at 0.65m.				
1	108.80	ML		Clayey SILT (Colluvium/Residual Soil?) Grey with pale brown and red mottling, wet, firm to stiff. Low plasticity; trace fine to coarse sand; occasional dark brown organic pockets; rootlets.				
	107.70	CI		Silty CLAY (Residual Soil) Pale grey with red and orange brown mottling, dry to moist, stiff. Intermediate plasticity. Trace rootlets.				
2	107.40	CI		Silty CLAY with GRAVEL (Residual Soil) Pale grey with occasional red and pale brown mottling, moist, stiff. Gravel fraction is fine to medium grained, subangular to angular and comprised of quartz.				
	106.40	XW		SILTSTONE (XW) Generally exhibits the engineering properties of pale grey to mottled red and yellow brown, hard, silty Clay.				
				Excavation terminated at 3.7m		Approx 500mm of standing water at base of pit after 10 minutes.		
4	106.10							

Testpit Profile



Excavated Material



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

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