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TEST PIT LOG

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

FEATURE No TP088

SHEET 1 of 1

DATE EXCAVATED 08/02/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Southern I/C, Embankment 1B COORDINATES 491253.2 E; 7076438.2 N

PROJECT No FG5825 SURFACE R.L. 109.93 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	109.93			ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	(Blow Count / 100mm) 0 4 8 12 16>20			
	109.78		OL	Silty CLAY (Topsoil) Pale brown to red brown, moist, firm, low to intermediate plasticity		Seepage 0.6 to 1.2m fast inflow in all pit faces.		
			CL-CI	Silty CLAY (Fill?) Pale grey to brown, wet, stiff. Low to intermediate plasticity; trace fine to medium gravel consisting of subangular to angular chert and quartz; rootlets; occasional wood fragments up to 150mm dia				
	108.73		MH	Clayey SILT (Residual Soil?) Red brown to pale and orange brown with pale grey mottling, moist, stiff to very stiff. High plasticity; occasional rootlets; becoming dry to moist below 1.5m.		Pit spalling at 1.2m; seepage fast inflow. LL = 60; PI = 29; LS = 15.6; MC = 30.5%; WPI = 2654	A	D,Bulk
				Below 2.0m: Becoming very stiff to hard.		Pit spalling from 2.1 to 3.1m. MC = 25.3%		
	107.83		CL	Gravelly CLAY with Silt (Residual Soil) Pale grey with orange brown and red brown mottling, moist, very stiff to hard. Low plasticity; gravel fraction is angular, fine to coarse grained consisting predominantly of quartz. At 3.0m: Possible seepage at base of gravel; slight organic odour and dark brown pockets.				
	106.83		CI	Silty CLAY (Residual Soil) Pale grey with red brown and orange brown mottling, moist, very stiff to hard. Intermediate plasticity; trace fine to coarse grained, subangular to angular quartz gravel; slight organic odour.			B	D,Bulk
	106.28			Excavation terminated at 3.65m				
	105.93							

Testpit Profile



Excavated Material



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

LOGGED BY
BJD

OLD_DMR_LIB_01_GLB_Log_A_TEST PIT LOG FG5825 BRUCE HWY COOROY-CURRA SECTION A TFS.GPJ DWG:13036.GDW Dargel CPT Tool gl\N Add-in 25/06/2010 14:11