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TEST PIT LOG

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

FEATURE No TP119

SHEET 1 of 1

DATE EXCAVATED 27/01/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 9 COORDINATES 487157.0 E; 7080746.1 N

PROJECT No FG5825 SURFACE R.L. 110.29 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	110.29			ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	(Blow Count / 100mm) 0 4 8 12 16>20			
	109.89		CI	Clayey SILT (Topsoil/Colluvium) Pale brown, moist, firm. Intermediate plasticity; trace fine to medium grained gravel (<2%) comprising phyllite & quartz; rootlets.		LL = 45; PI = 19; LS = 11.4; MC = 25.8%; WPI = 1782 FSV (Su) 55/10, 47/20 LL = 41; PI = 19; LS = 9.6; MC = 27% 1.4-2.1m: Pit Spalling, west face LL = 50; PI = 21; LS = 10.2; MC = 20.4%; WPI = 920 Seepage from south and east face, moderate inflow Pit spalling, east face LL = 52; PI = 24; LS = 12.8; MC = 21.2%; WPI = 1795 PP (UCS): 431kPa Approx 100mm of water at base of pit. MC = 21.9%		
	109.19		CI	Silty CLAY (Colluvium) Pale brown, pale grey and mottled red brown, moist, soft to firm. Intermediate plasticity; trace fine to coarse sand; rootlets.			A	D, Bulk
			GM	Silty GRAVEL (Colluvium) Pale grey, pale brown and mottled red brown, moist, medium dense. Comprises fine to coarse, sub-angular to angular phyllite and predominantly quartz; occasional iron nodules up to 40mm dia; trace organic material. Below 1.4m: Becoming firm to stiff			B	U100
			GC	From 2.2m: Grading to clayey GRAVEL; wet; gravel is predominately quartz; occasional quartz cobbles quartz (up to 200mm dia.); trace gravels of phyllite.			C	D, Bulk
	107.79		CH	Silty CLAY with Gravel (Residual Soil) Pale grey, pale brown and mottled red brown, moist, stiff to very stiff, high plasticity. Gravel fraction is fine to coarse grained, sub-angular to angular, tabular, comprised predominantly of phyllite. Relict rock structure visible in clay matrix; rootlets.			D	D, Bulk
	106.59			Excavation terminated at 3.7m		E	D, Bulk	
	106.29							

Testpit Profile



Excavated Material



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

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