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**Queensland
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Department of
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TEST PIT LOG

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

FEATURE No TP083

SHEET 1 of 1

DATE EXCAVATED 04/02/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Southern I/C, South Bound onramp, shallow cut COORDINATES 491449.1 E; 7076417.1 N

PROJECT No FG5825 SURFACE R.L. 118.39 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
				ROCK DESCRIPTION				
0	118.39			SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	(Blow Count / 100mm) 0 4 8 12 16>20			
118.29		OL		Sandy SILT (Topsoil) Dark brown, moist, firm. Low plasticity; trace clay and gravel.		FSV (Su) 108/43 kPa		
118.04		ML		Sandy SILT (Residual Soil?) Pale yellow brown, moist, firm. Low plasticity; trace clay and rootlets.		FSV (Su) 80/30 kPa		
		CI		Silty CLAY (Residual Soil) Red brown to mottled pale yellow brown, moist, firm to very stiff. Intermediate plasticity; trace black (carbonaceous) flecks; trace rootlets.		FSV (Su) 154/60 kPa MC = 28.6%	A	D,Bulk
117.29		XW		SILTSTONE (XW) Generally exhibits the engineering properties of red to mottled pale grey and brown, moist, hard, silty Clay. Trace gravel and rootlets; gravel fraction is typically rounded, fine to medium grained, comprised of iron nodules. Below 1.6m becoming predominantly pale grey with red/orange and yellow brown mottling; trace gravels (<1%) comprised of fine to medium grained, rounded, iron modules.		FSV (Su) 213/67 kPa LL = 58; PI = 29; LS = 14.2; MC = 26.9%; WPI = 2345 LL = 63; PI = 26; LS = 13.6; MC = 21.9%; WPI = 2423	B	U100
		XW				MC = 19.1%	C	D,Bulk
115.29		XW		SANDSTONE (XW) Exhibits the engineering properties of pale grey with yellow brown mottling, moist, hard, sandy Silt. Below 3.2m: fine to medium grained gravel, VL to EL strength, iron stained. Moderate seepage at 3.2m.		LL = 39; PI = 21; LS = 10.2; MC = 17.6%; WPI = 2003	D	D,Buk
115.09							E	D,Bulk
114.39				Excavation terminated at 3.3m				

Testpit Profile



Excavated Material



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

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