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# TEST PIT LOG

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

FEATURE No TP081

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 491542.0 E; 7076322.5 N

PROJECT No FG5825 SURFACE R.L. 122.69 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 SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	DCP LOG (Blow Count / 100mm) 0 4 8 12 16 >20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
0	122.69							
	122.54		OL	<b>Sandy SILT (Topsoil)</b> Dark brown, dry to moist, firm. Low Plasticity; trace gravel, fine to coarse, subangular to angular; rootlets throughout.				
			CI	<b>CLAY (Fill)</b> Pale grey to red and orange brown, dry to moist, firm to stiff. Intermediate plasticity; trace gravel (< 1%), concrete fragments up to 100mm.		FSV (Su) 120/30 kPa		
	122.09		OL					
	121.84			<b>SILT (Relict Topsoil)</b> Dark brown, dry to moist, stiff. Low plasticity; trace fine to medium grained sand; rootlets.		FSV(Su) 135/70 kPa MC = 37.8%	A	D,Bulk
			CI	<b>Silty CLAY (Residual Soil?)</b> Red brown with occasional pale brown and orange brown mottling, dry to moist, stiff. Intermediate plasticity.				
	121.19			<b>SILTSTONE (XW)</b> Generally exhibits the engineering properties of pale grey to red brown, moist, hard, Silt.		LL = 60; PI = 28; LS = 13.8; WPI = 2735	B	U100
			XW	Intermediate to high plasticity, trace silt and gravel (<1%); gravel fraction is typically fine grained, subangular to angular, and includes quartz particles; trace decomposed roots. Becoming moist below 2.0m.		Slight seepage at bore of pit from 2.0m. MC = 28.6%	C	D,Bulk
						MC = 22.8%	D	D,Bulk
	119.09							
				Excavation terminated at 3.6m				
4	118.69							

Testpit Profile



Excavated Material



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

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