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# TEST PIT LOG

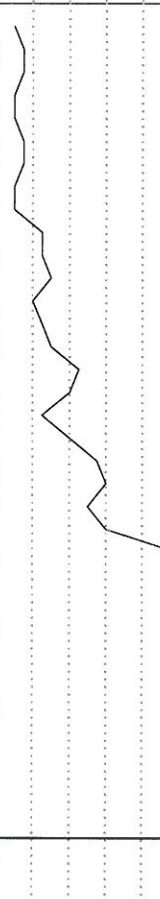
FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/5-2009

FEATURE No TP079

SHEET 1 of 1

DATE EXCAVATED 09/02/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation  
 LOCATION Embankment 1A COORDINATES 491986.0 E, 7075944.7 N  
 PROJECT No FG5825 SURFACE R.L. 107.26 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	SOIL DESCRIPTION		DCP LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
			USC WEATHERING	ROCK DESCRIPTION				
0	107.26			SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	(Blow Count / 100mm) 0 4 8 12 16>20			
107.06		OL		<b>Silty CLAY (Topsoil)</b> Dark brown, moist, firm. Low to intermediate plasticity; trace black flecks and black organic fragments up to 5mm, rootlets.		FSV (Su) 117/47 kPa		
106.66		CI		<b>Silty CLAY (Residual Soil?)</b> Pale brown with occasional orange to red brown mottling, moist, firm. Low to intermediate plasticity; trace rootlets.		Seepage slight at 0.6m		
1		CH		<b>Silty CLAY (Residual soil)</b> Pale grey to red and orange brown, moist and becoming wet with depth, firm to very stiff. Low to intermediate plasticity; trace rootlets. From 1.0m: Becoming stiff to very stiff.		FSV (Su) 94/38 kPa LL = 52; PI = 24; LS = 14.6; MC = 29%; WPI = 2281	A	D,Bulk
2				From 1.4m: Becoming very moist to wet.  From 1.7m: Becoming predominately pale grey with trace sand and gravel (<1%). Gravel fraction is fine grained, angular and comprised mainly of quartz.		Seepage at 1.4m moderate in west end of pit Pit Spalling from 1.7m north face Seepage at 2.1m moderate in east end of pit		
104.96								
104.66		CL		<b>Gravelly CLAY (Residual Soil)</b> Pale grey with orange to red/brown mottling, moist, very stiff. Low plasticity. Trace sand, silt and gravel. Gravel fraction is fine to medium grained, subangular and comprised of quartz and VL strength rock. Occasional roots up to 5mm.		MC = 20.8%	B	D,Bulk
3								
103.61		XW		<b>MUDSTONE (XW)</b> Generally exhibits the engineering properties of pale grey to red brown, moist, very stiff to hard, silty Clay of intermediate plasticity. Below 3.0m: Contains trace gravels, dark purple to red/brown, fine to medium grained, angular, comprised predominantly of Siltstone and iron nodules.		MC = 22.5%	C	D,Bulk
4	103.26			Excavation terminated at 3.65m				

Testpit Profile



Excavated material



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

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