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**Queensland
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Department of
Main Roads

TEST PIT LOG

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

FEATURE No TP054

SHEET 1 of 1

DATE EXCAVATED 05/08/09

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 14A COORDINATES 483470.5 E; 7081276.8 N

PROJECT No FG5825 SURFACE R.L. 108.04 DATUM AHD SYSTEM MGA94

JOB No 128/10A/901 EQUIPMENT TYPE AND MODEL JCB BACKHOE BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	BUCKET	METHOD	USC	WEATHERING	SOIL DESCRIPTION SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	VDCP LOG (Cone Resistance) VDCP 33 (MPa)	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	108.04							0 4 8 12 16 >20			
	107.94					Topsoil; Silty CLAY , brown.					
					MH	SILT with some sand Red, high plasticity. Moist, very stiff.			LL = 54; PI = 18; LS = 12.2; MC = 27.9%; WPI 1533 PP(UCS) 297kPa	09G1250	22059
	107.24				MH	Gravelly SILT (Residual soil) Mottled red and white, high plasticity. Gravel - angular, high strength, medium to coarse grained, quartz. Moist, hard.			PP(UCS) 400kPa LL = 61; PI = 25; LS = 15; MC = 21.8%; WPI 1489	09G1251	22114
	106.74				MH	XW Phyllite; Gravelly SILT Mottled white and red, high plasticity. Gravel - angular, very low to medium strength, medium to coarse grained, red Fe stained and cemented. Moist, hard.			PP(UCS) 457kPa		
					MH				PP(UCS) >550kPa Becoming more granular below 2.2m LL = 50; PI = 15; LS = 8.4; MC = 23.1%; WPI 1159	09G1252	221113
									PP(UCS) >550kPa		
	104.74					Excavation terminated at 3.3m					
4	104.04										



REMARKS PP = Pocket penetrometer

LOGGED BY
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