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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 TP031

SHEET 1 of 1

DATE EXCAVATED 06/08/09

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 9 COORDINATES 487046.1 E; 7080803.1 N

PROJECT No FG5825 SURFACE R.L. 119.45 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 23 (MPa) 0 4 8 12 16>20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	119.45										
	119.35						TOPSOIL Sandy Silty CLAY, brown				
					CH	Sandy CLAY Mottled red/yellow, high plasticity, trace of ironstone nodules to max size 10mm. Moist. Hard.			Small amount of organic material present LL = 60; PI = 34; LS = 15.6; MC = 20.2%; WPI 2832 PP(UCS) 370kPa	09G1240	22040
1	118.55						Sandy Silty CLAY (Residual soil) Mottled red/pale grey, high plasticity. Moist, very stiff.		LL = 55; PI = 31; LS = 15; MC = 19%; WPI 2372 PP(UCS) 313kPa	09G1241	22084
2	117.55						XW Phyllite; Sandy Silty CLAY with some gravel Mottled red/white, high plasticity. Moist, very stiff to hard Gravel - angular, medium to fine grained, very low to medium strength, red Fe stained & cemented, confined to a band between 2.8m and 3.4m.		PP(UCS) 293kPa LL = 54; PI = 28; LS = 15.6; MC = 20.2%; WPI 2041 PP(UCS) 247kPa	09G1242	22086
3											
	115.85						Excavation terminated at 3.6m				
4	115.45										



REMARKS PP = Pocket penetrometer

LOGGED BY
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