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**Queensland
Government**

Department of
Main Roads

TEST PIT LOG

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

FEATURE No TP020

SHEET 1 of 1

DATE EXCAVATED 21/09/09

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 6

COORDINATES 488540.3 E; 7079950.4 N

PROJECT No FG5825

SURFACE R.L. 109.75

DATUM AHD

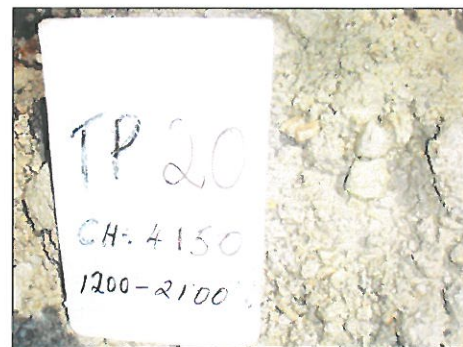
SYSTEM MGA94

JOB No 128/10A/901

EQUIPMENT TYPE AND MODEL JCB BACKHOE

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	VDCP LOG (Cone Resistance)	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	VDCP15 (MPa)			
0	109.75	BUCKET			0 4 8 12 16 >20			
	109.65			Topsoil				
			CI	Sandy CLAY Yellowish brown, medium plasticity. Sand - fine grained, quartz. Gravel - subrounded, high strength, white, quartz. Moist, stiff.		LL = 47; PI = 26; LS = 10.4; MC = 19.2%; WPI 2102	09G1510	22272
1	108.55					PP(UCS) 207kPa		
			(GC-GM)	Silty clayey sandy GRAVEL Grey, low plasticity. Sand - coarse grained, quartz. Gravel - subrounded to subangular, high strength, white, quartz, coarse grained below 1.7m. Wet, loose. Pervious.		Moderate seepage @ 1.4m MC = 14.9%	09G1511	
2	107.65							
			(CH)	Silty CLAY with some gravel Pale grey with dark red and orange Fe staining, high plasticity. Gravel - angular, low strength, Fe cemented particles. Fissured structure evident.		MC = 25.1%	09G1512	
3	106.65							
4	105.75			Excavation terminated at 3.1m				



REMARKS Parentheses indicate visual classification only. PP = Pocket penetrometer

LOGGED BY
RK/GB P.Simson