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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 TP012

SHEET 1 of 1

DATE EXCAVATED 17/09/09

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Cut 5

COORDINATES 489255.9 E; 7078369.6 N

PROJECT No FG5825

SURFACE R.L. 109.34

DATUM AHD

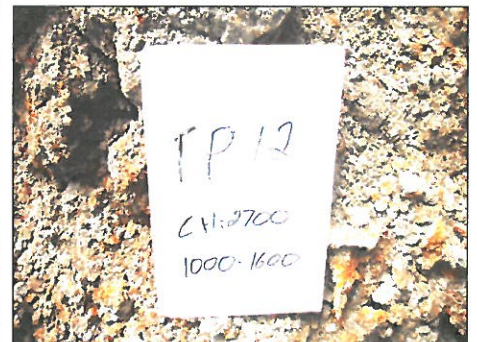
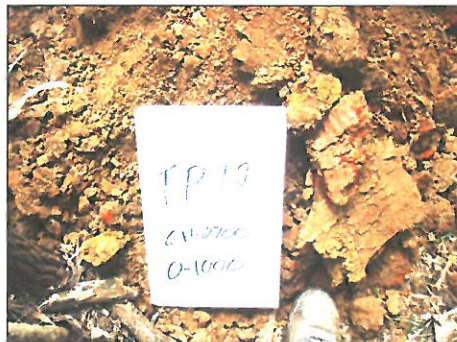
SYSTEM MGA94

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) (MPa) 0 4 8 12 16>20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
0	109.34									
	109.29				Topsoil			Contains some organic material		
				CI	Gravelly Silty CLAY with some sand Pale grey with red and yellow Fe staining, medium plasticity. Sand - fine grained. Gravel - subangular to subrounded, medium to high strength, Fe cemented particles and white quartz. Dry to moist, hard.			LL = 49; PI = 25; LS = 12.2; MC = 20.4%; WPI 1597	09G1477	22163
	108.69			CL	Silty CLAY with some sand Dark brown, low plasticity. Moist, hard.			LL = 35; PI = 12; LS = 8; MC = 21%; WPI 1089 PP(UCS) >500kPa	09G1478	22200
1	108.44			ML	SILT with some sand Yellowish brown with red Fe staining, medium plasticity. Sand and gravel - angular, low strength, Fe cemented particles. Moist, very stiff, friable structure.			LL = 45; PI = 13; LS = 11; MC = 23.1%; WPI 1091 PP(UCS) 357kPa	09G1479	22164
	106.84			CI	CLAY with some sand and gravel Pale grey with yellow and red Fe staining, medium plasticity. Sand and gravel - angular, low strength, Fe cemented particles. Moist, hard. Some fissuring evident.			PP(UCS) 453kPa LL = 47; PI = 20; LS = 10.6; MC = 14.3%; WPI 1519	09G1480	22165
3	106.14				Excavation terminated at 3.2m					
4	105.34									



REMARKS PP = Pocket penetrometer

LOGGED BY
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