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**Queensland  
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# TEST PIT LOG

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

FEATURE No TP121

SHEET 1 of 1

DATE EXCAVATED 28/01/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 9 COORDINATES 487046.0 E; 7080787.3 N

PROJECT No FG5825 SURFACE R.L. 119.26 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	USC WEATHERING	SOIL DESCRIPTION	DCP LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components				
0	119.26			ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	(Blow Count / 100mm) 0 4 8 12 16>20			
	119.11		ML	<b>Sandy SILT (Topsoil)</b> Brown, dry, firm to stiff. Low plasticity; fine to coarse grained sand; rootlets.		LL = 46; PI = 21; LS = 13.4; MC = 13.8%; WPI=1665	A	D,Bulk
	118.66		CI	<b>Silty CLAY (Colluvium)</b> Pale grey to mottled orange and red brown, dry, stiff to very stiff. Intermediate plasticity; trace fine to coarse sand.		FSV (Su) 148/27 LL = 43; PI = 24; LS = 10.8; MC = 13.2%	B	U100
1			MH	<b>Clayey SILT (Colluvium)</b> Pale grey with occasional red brown mottling, moist, stiff to very stiff. High plasticity; occasional rootlets.  From 1.1m: Trace fine to coarse sand; trace fine to medium gravels consisting of chert and iron nodules; trace organic material; relict roots.  From 1.5m: Disturbed structure with polished surfaces; becoming firm to stiff.		FSV (Su) 148/29 FSV (Su) 131/24 LL = 66; PI = 31; LS = 19; MC = 26.9%; WPI=2624	C	D,Bulk
2						FSV (Su) 96/15		
3						LL = 62; PI = 29; LS = 16.8; MC = 23.6%; WPI=2553 FSV (Su) 118/37	D	D,Bulk
	115.56					LL = 58; PI = 28; LS = 16.6; MC = 20.4%; WPI=1829	E	D,Bulk
4	115.26			Excavation terminated at 3.7m				

Testpit Profile



Excavated Material



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

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