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**Queensland
Government**

Department of
Main Roads

GEOTECHNICAL LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/2-2004

HOLE No BH2

SHEET 1 of 1

REFERENCE No H9521

PROJECT Apple Tree Creek Embankment Materials Investigation COORDINATES 422851.0 E; 7211455.0 N
LOCATION Proposed borrow area at Campbell's Property DATUM GDA94 MGA Zone 56
PROJECT No FG5334 SURFACE R.L. 86.00 DATE STARTED 14/10/04 EXCAVATION TYPE Rotary Air Boring
JOB No 64/10C/35.1 DATUM AHD DATE COMPLETED 14/10/04 MACHINE TYPE Jackro500 Top Drive

DEPTH (m)	R.L. (m)	USC WEATHERING	LITHOLOGY	SOIL DESCRIPTION: Plasticity or particle characteristics, colour, secondary components, moisture, consistency/density, structure, origin. ROCK DESCRIPTION: Lithology, colour, structure, weathering, strength, defects.	ADDITIONAL DATA TEST RESULTS PENETRATION RATE (min:sec / m)	SAMPLES TESTS
0	86.00			Sandy CLAY (Topsoil/Residual Soil): Dark brown, moist, very stiff, medium plasticity, some grass roots.	0-1m: Penetration Rate = 0min:48sec	
1	84.90		CI	Clayey SAND (XW Granite): Pale orange brown, moist, very dense, medium plasticity, fine to medium grained sand, trace of fine gravel, mps 4mm, ~25% fines.	1-2m: Penetration Rate = 0min:28sec	
2			SC		2-3m: Penetration Rate = 0min:28sec	
3	83.00			Clayey SAND with some gravel (HW Granite): Pale orange brown, moist, very dense, low to medium plasticity, some fine gravel, 5mm mps, ~10-15% fines.	3-4m: Penetration Rate = 0min:26sec	
4			SC		4-5m: Penetration Rate = 0min:33sec	500g JAR
5					5-6m: Penetration Rate = 0min:37sec	500g JAR
6	80.00			Clayey SAND (XW Granite): Dark orange brown, moist, very dense, medium plasticity, fine to medium grained sand, trace of fine gravel, mps 4mm, ~30% fines.	6-7m: Penetration Rate = 0min:34sec	500g JAR
7			SC		7-8m: Penetration Rate = 0min:28sec	500g JAR
8	78.00			Clayey SAND with some gravel (HW Granite): Pale orange brown, moist, very dense, low to medium plasticity, some fine gravel, 5mm mps, ~15% fines.	8-8.5m: Penetration Rate = 0min:15sec	500g JAR
	77.50		SC	Hole ended at 8.5m		
9						
10						

REMARKS % fines = % material passing the 0.075mm sieve

LOGGED BY
A. O'Rourke

Project : FG5334 - Apple Tree Creek Materials Investigation

Borehole No : 2

