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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 BH4
SHEET 1 of 1
REFERENCE No H9523

PROJECT Apple Tree Creek Embankment Materials Investigation COORDINATES 422852.0 E; 7211352.0 N
LOCATION Proposed borrow area at Campbell's Property DATUM GDA94 MGA Zone 56
PROJECT No FG5334 SURFACE R.L. 80.00 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	80.00					
79.70		SC		Clayey SAND (Topsoil/Residual Soil): Pale brown, moist, very dense, medium plasticity, fine to coarse grained sand, some grass roots. Clayey SAND with some fine gravel (XW Granite): Pale orange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, some fine gravel throughout, 5mm maximum particle size, ~20-25% fines. There is little variation in % fines with depth. Hard band (slightly slower drilling) between 1.5-2.0m.	1-2m: Penetration Rate = 0min:46sec 2-3m: Penetration Rate = 0min:33sec 3-4m: Penetration Rate = 0min:31sec 4-5m: Penetration Rate = 0min:29sec 5-6m: Penetration Rate = 0min:32sec 6-7m: Penetration Rate = 0min:34sec 7-8m: Penetration Rate = 0min:40sec 8-8.5m: Penetration Rate = 0min:22sec	500g JAR 500g JAR 500g JAR
71.50		SC		Hole ended at 8.5m		
9						
10						

REMARKS % fines = % material passing the 0.075mm sieve

LOGGED BY
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