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GEOTECHNICAL LOG

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

HOLE No BH6
SHEET 1 of 1
REFERENCE No H9525

PROJECT Apple Tree Creek Embankment Materials Investigation COORDINATES 422816.0 E; 7211486.0 N
LOCATION Proposed borrow area at Campbell's Property DATUM GDA94 MGA Zone 56
PROJECT No FG5334 SURFACE R.L. 85.00 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	85.00						
			CH		Silty CLAY (Topsoil/Residual Soil): Dark red brown, moist, stiff, high plasticity, trace fine grained sand, grass roots.	0-1m: Penetration Rate = 2min:05sec	
	84.50				Silty CLAY (XW Basalt): Red brown, moist, very stiff, high plasticity, trace of fine grained sand.	1-2m: Penetration Rate = 0min:57sec	
1							
			CH			2-3m: Penetration Rate = 0min:48sec	500g JAR
2					Rounded MW basalt fragments (up to 50mm maximum particle size) between 2.5-3.0m.		
	82.00					3-4m: Penetration Rate = 0min:39sec	
3			SC		Sandy CLAY (Residual Soil): Orange brown, moist, stiff, medium plasticity, fine to coarse grained sand (mostly fine to medium grained).		
	81.50				Clayey SAND (XW Granite): Pale orange brown, moist, very dense, medium plasticity, fine to coarse grained sand (mostly fine to medium grained), ~25-30% fines.	4-5m: Penetration Rate = 0min:25sec	500g JAR
4						5-6m: Penetration Rate = 0min:34sec	500g JAR
	80.00		SC		Clayey SAND with some fine gravel (HW Granite): Pale orange brown, moist, very dense, low plasticity, fine to coarse grained sand, some fine gravel, 5mm maximum particle size, ~15% fines.	6-7m: Penetration Rate = 0min:49sec	500g JAR
5						7-8m: Penetration Rate = 0min:39sec	500g JAR
			SC		~20% fines below 7m.	8-8.5m: Penetration Rate = 0min:25sec	
6							
	76.50				Hole ended at 8.5m		
7							
8							
9							
10							

REMARKS % fines = % material passing the 0.075mm sieve

LOGGED BY
A. O'Rourke