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BOREHOLE ENGINEERING LOG

HOLE NO : GP076N_HA03

CLIENT : TRANSPORT AND MAIN ROADS POSITION : E: 349352, N: 8067291 (56 MGA94) PAGE : 1 OF 1
 PROJECT : TNRP SURFACE ELEVATION : 754.9 (AHD) DATE DRILLED : 23/10/12 to 23/10/12
 JOB NO : CB27000.F672 DIP / AZIMUTH : 90° LOGGED BY : AJ
 LOCATION : MILLAA MILLAA - MILANDA ROAD (641) CONTRACTOR : N/A CHECKED BY :

DRILLING				MATERIAL								
DRILLING & CASING	WATER	DRILLING PENETRATION	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY	DCP (blows/100mm)	STRUCTURE & Other Observations
↑		F	NOT OBSERVED	0.40m DS	0.0	MH		CLAYEY SILT (MH): Mottled pale orange brown, pale brown, pale grey brown, high plasticity, with fine to medium grained sand.	D - M	F - St		RESIDUAL SOIL 0.40: Moisture Content (%) = 27, Liquid Limit (%) = 64, Plasticity Index (%) = 28, Linear Shrinkage (%) = 11.5, % Passing 0.075mm: 69
				0.80m DS	0.80							
				1.20m DS	1.0			GRANITE: Pale grey mottled orange, brown, extremely weathered, extremely low strength, excavates as CLAYEY SILT (ML), low plasticity, with fine to coarse grained sand.	M	St		EXTREMELY WEATHERED ROCK 1.20: Moisture Content (%) = 30.2, Liquid Limit (%) = 57, Plasticity Index (%) = 13, Linear Shrinkage (%) = 10.5, % Passing 0.075mm: 69
				1.70m DS	1.70							
					2.0							
					3.0							
					4.0							

DRILLING	SAMPLES & FIELD TESTS	DENSITY (SPT N-value)	CONSISTENCY (Su) {SPT N-value}
HA Hand Auger RR Rock Rolling AS Auger Screw AT Air Track AD/T Auger Drill TC-bit HQ HQ Coring AD/V Auger Drill V-bit PQ PQ Coring WB Washbore NMLC NMLC Coring DRILLING PENETRATION VE Very Easy F Firm VH Very Hard E Easy H Hard	DS Disturbed Sample SPT Standard Penetration Test ES Env Soil Sample U Undisturbed Tube Sample EW Env Water Sample W Water Sample HP Hand Penetrometer MOISTURE CONDITION HV Hand Vane Shear D = Dry M = Moist W = Wet (P: Peak Su R: Residual Su) N SPT blows per 300mm HW SPT penetration by hammer weight RW SPT penetration by rod weight	VL Very Loose 0 - 4 L Loose 4 - 10 MD Medium Dense 10 - 30 D Dense 30 - 50 VD Very Dense 50 - 100 CO Compact >50/150mm	VS Very Soft < 12 kPa {0-2} S Soft 12 - 25 {2-4} F Firm 25 - 50 {4-8} St Stiff 50 - 100 {8-15} VSt Very Stiff 100 - 200 {15-30} H Hard > 200 kPa {>30}

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