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BOREHOLE ENGINEERING LOG

HOLE NO : GP131N_HA03

CLIENT : TRANSPORT AND MAIN ROADS

POSITION : E: 351488, N: 8071857 (56 MGA94)

PAGE : 1 OF 1

PROJECT : TNRP

SURFACE ELEVATION : 762.0 (AHD)

DATE DRILLED : 1/11/12 to 1/11/12

JOB NO : CB27000.F672

DIP / AZIMUTH : 90°

LOGGED BY : AJ

LOCATION : MILLAA MILLAA - MILANDA ROAD (641)

CONTRACTOR : N/A

CHECKED BY :

DRILLING						MATERIAL							
PROGRESS		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
DRILLING & CASING													
↑ HA ↓						0.0			SILTY CLAY (CL-CI): Brown, low to medium plasticity, with fine to medium grained sand.			5 10 15 20	RESIDUAL SOIL
					0.20m DS			CL-CI			St		
					0.60m								
					0.80m DS				From 0.80 m with fine grained subangular gravel				
					1.00m DS	1.0			SILTY CLAY (CH): Orange, high plasticity, with fine to coarse grained sand.	D - M	St - VSt		1.00: Moisture Content (%) = 22.1, Liquid Limit (%) = 65, Plasticity Index (%) = 29, Linear Shrinkage (%) = 13, % Passing 0.425mm: 99, % Passing 0.075mm: 99
					1.50m			CH					
					2.00m DS	2.0			EXTREMELY WEATHERED GRANITE (OH): Pale orange, extremely low strength, remolds to CLAYEY SANDY SILT (OH-SC), high plasticity, fine to coarse grained sand.				BEDROCK 2.00: Moisture Content (%) = 18.4, Liquid Limit (%) = 56, Plasticity Index (%) = 21, Linear Shrinkage (%) = 10, % Passing 2.36mm: 98, % Passing 0.425mm: 60, % Passing 0.075mm: 51
					2.50m			OH					
						3.0							
						</							

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