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BOREHOLE ENGINEERING LOG

HOLE NO : GP131N_HA02

CLIENT : TRANSPORT AND MAIN ROADS

POSITION : E: 351446, N: 8071812 (56 MGA94)

PAGE : 1 OF 1

PROJECT : TNRP

SURFACE ELEVATION : 760.8 (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		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	WATER											
HA ↓		F			0.0		CH	SILTY CLAY (CH): Brown, high plasticity, with fine to coarse grained angular gravel.	M	S - F		SLOPE WASH
					0.20m		SILTY CLAY (CH): Red brown, high plasticity, with fine to medium grained sand.					
					0.30m DS							
					0.60m							
					0.90m DS							
		1.0				CH	From 1.10 m with fine to coarse grained gravel and trace of cobbles	M - W	S			
		1.10m										
		1.30m DS										
		1.60m										
		1.70m										
H		VH				SC	CLAYEY SILTY SAND (SC): Pale orange brown, fine to coarse grained sand, trace of fine grained gravel.	W	L - MD		RESIDUAL SOIL 1.30: Moisture Content (%) = 23.7, Liquid Limit (%) = 42, Plasticity Index (%) = 12, Linear Shrinkage (%) = 8, % Passing 2.36mm: 83, % Passing 0.425mm: 56, % Passing 0.075mm: 46	
							Practical refusal on inferred cobble or boulder ?					

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							
GROUNDWATER SYMBOLS				HW SPT penetration by hammer weight									
▼ = Water level (static)				RW SPT penetration by rod weight									
▽ = Water level (during drilling)													