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BOREHOLE ENGINEERING LOG

HOLE NO : GP116N_HA01

CLIENT : TRANSPORT AND MAIN ROADS

POSITION : E: 351292, N: 8070493 (56 MGA94)

PAGE : 1 OF 1

PROJECT : TNRP

SURFACE ELEVATION : 729.1 (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							
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
HA		E		0.10m DS	0.0	[Cross-hatched pattern]	CH	SILTY CLAY (CH): Red brown, high plasticity, with fine to coarse grained sand.	M	St	5	FILL
				0.50m DS	0.60m			From 0.30 m becoming brown mottled grey, red brown				
HA		E		0.60m DS	0.60m	[Cross-hatched pattern]	CH	SANDY CLAY (CH): Red brown, high plasticity, fine to coarse grained sand.	M - W	F	10	
				0.80m DS	0.80m			SANDY CLAY (CH): Dark grey, brown, high plasticity, fine to coarse grained sand.				
HA		H		1.10m DS	1.10m	[Cross-hatched pattern]	CH	SANDY CLAY (CH): Dark grey, brown, high plasticity, fine to coarse grained sand.	M - W	S	15	
				1.40m DS	1.40m			CLAYEY SILT (MH): Dark grey, medium plasticity, with fine to coarse grained sand and fine grained angular gravel, trace of tree roots and black fibrous roots.				
HA		H		1.70m DS	1.70m	[Vertical line pattern]	MH	CLAYEY SILT (MH): Dark grey, medium plasticity, with fine to coarse grained sand and fine grained angular gravel, trace of tree roots and black fibrous roots.	W	S - F	20	ALLUVIUM
					1.80m			Practical Refusal at 1.80 m.				
					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	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}
								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										
GROUNDWATER SYMBOLS			N SPT blows per 300mm										
▼ = Water level (static)			HW SPT penetration by hammer weight										
▽ = Water level (during drilling)			RW SPT penetration by rod weight										