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BOREHOLE ENGINEERING LOG

HOLE NO : GP131N_HA04

CLIENT : TRANSPORT AND MAIN ROADS	POSITION : E: 351486, N: 8071827 (56 MGA94)	PAGE : 1 OF 1
PROJECT : TNRP	SURFACE ELEVATION : 757.3 (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	MOISTURE CONDITION	CONSISTENCY	DCP (blows/100mm)	STRUCTURE & Other Observations
HA		F	NOT OBSERVED	DS	0.0			SILTY CLAY (CH): Brown red, high plasticity, trace of fine grained sand.		F - St		RESIDUAL SOIL?
					0.50m		CH					
					0.70m			From 0.70 m trace of fine grained subangular gravel		St - VSt		0.70: Moisture Content (%) = 29, Liquid Limit (%) = 57, Plasticity Index (%) = 22, Linear Shrinkage (%) = 12.5, % Passing 2.36mm: 96, % Passing 0.425mm: 67, % Passing 0.075mm: 53
					1.00m							
					1.40m		CH	SILTY CLAY (CH): Brown grey, high plasticity, with fine to medium grained sand.		St		1.40: Moisture Content (%) = 28.8, Liquid Limit (%) = 74, Plasticity Index (%) = 38, Linear Shrinkage (%) = 17, % Passing 2.36mm: 98, % Passing 0.425mm: 74, % Passing 0.075mm: 64
					1.70m							
					2.10m		SC	CLAYEY SAND (SC): Grey mottled orange red, fine to coarse grained sand, with fine grained gravel.	M - W	D - VD		RESIDUAL SOIL
					2.50m			From 2.10 m becoming pale grey mottled red brown, orange				2.10: Moisture Content (%) = 21.4, Liquid Limit (%) = 54, Plasticity Index (%) = 26, Linear Shrinkage (%) = 10, % Passing 2.36mm: 93, % Passing 0.425mm: 61, % Passing 0.075mm: 47
					3.0							
					4.0							

DRILLING HA Hand Auger AS Auger Screw AD/T Auger Drill TC-bit AD/V Auger Drill V-bit WB Washbore RR Rock Rolling AT Air Track HQ HQ Coring PQ PQ Coring NMLC NMLC Coring DRILLING PENETRATION VE Very Easy E Easy F Firm H Hard VH Very Hard	SAMPLES & FIELD TESTS DS Disturbed Sample ES Env Soil Sample EW Env Water Sample SPT Standard Penetration Test U Undisturbed Tube Sample W Water Sample HP Hand Penetrometer HV Hand Vane Shear (P: Peak Su R: Residual Su) N SPT blows per 300mm HW SPT penetration by hammer weight RW SPT penetration by rod weight	DENSITY (SPT N-value) 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	CONSISTENCY (Su) {SPT N-value} 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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