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BOREHOLE ENGINEERING LOG

HOLE NO : GP131N_HA01

CLIENT : TRANSPORT AND MAIN ROADS	POSITION : E: 351458, N: 8071849 (56 MGA94)	PAGE : 1 OF 1
PROJECT : TNRP	SURFACE ELEVATION : 765.1 (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		F	NOT OBSERVED		0.0		CI-CH	SILTY CLAY (CI-CH): Red brown, medium to high plasticity, with fine to medium grained sub angular gravel.				FILL
					0.10m DS							
					0.60m DS		CH	SILTY CLAY (CH): Red brown mottled orange brown grey, high plasticity, trace of fine to coarse grained sand.				TOPSOIL
					1.10m DS		CH	SILTY CLAY (CH): Orange brown, grey, high plasticity, with fine to coarse grained sand.	M			ALLUVIUM/ SLOPE WASH? 1.10: Moisture Content (%) = 35.1, Liquid Limit (%) = 102, Plasticity Index (%) = 63, Linear Shrinkage (%) = 17.5, % Passing 0.075mm: 79
					1.50m		CH					
					1.80m DS		CH	SILTY CLAY (CH): Brown, high plasticity, with fine to medium grained sand.		St		
					2.30m DS		OL	SANDY SILT (OL): Orange, medium plasticity, fine to coarse grained sand, with clay.				RESIDUAL SOIL 2.30: Moisture Content (%) = 22.1, Liquid Limit (%) = 61, Plasticity Index (%) = 25, Linear Shrinkage (%) = 12.5, % Passing 0.425mm: 94, % Passing 0.075mm: 60
					2.60m							
					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 GROUNDWATER SYMBOLS = Water level (static) = Water level (during drilling)	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 MOISTURE CONDITION D = Dry M = Moist W = Wet	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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