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BOREHOLE ENGINEERING LOG

HOLE NO : GP076N_HA01

CLIENT : TRANSPORT AND MAIN ROADS	POSITION : E: 349312, N: 8067229 (56 MGA94)	PAGE : 1 OF 1
PROJECT : TNRP	SURFACE ELEVATION : 754.2 (AHD)	DATE DRILLED : 7/11/12 to 7/11/12
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
		F		DS	0.10m		SC	CLAYEY SILTY SAND (SC): Brown, mottled red brown, pale brown, fine to coarse grained sand, trace fine grained angular gravel, roots and rootlets.	M - W	L - MD	5	SLOPE WASH
				DS	0.50m		SC	SILTY CLAYEY SAND (SC): Grey, fine to coarse grained sand, high plasticity.		VL - L	10	ALLUVIUM 0.50: Moisture Content (%) = 42.2, Liquid Limit (%) = 73, Plasticity Index (%) = 32, Linear Shrinkage (%) = 13, % Passing 0.075mm: 44
		E			1.10m		SC	CLAYEY SAND (SC): Pale grey, grey, pale grey brown, fine to coarse grained sand, medium plasticity.	W	L - MD	15	
				DS	2.30m		SM	SILTY SAND (SM): Pale grey, fine to coarse grained sand, low plasticity.	W	MD	20	RESIDUAL SOIL 2.30: Moisture Content (%) = 31.5, Liquid Limit (%) = 46, Plasticity Index (%) = 11, Linear Shrinkage (%) = 4.5, % Passing 0.075mm: 31
					2.50m							

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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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