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BOREHOLE ENGINEERING LOG

BOREHOLE NO : BH-A05

CLIENT : QTMR/Aurecon	POSITION : E: 492031, N: 7037627 (56 MGA94)	PAGE : 1 OF 1
PROJECT : Sunshine Coast Landslips	SURFACE ELEVATION :	DATE DRILLED : 5/8/13 to 5/8/13
JOB NO : QE09860.810	DIP / AZIMUTH : 90°	LOGGED BY : LN
LOCATION : R494 Approx CH 6647	CONTRACTOR : Drillsure	CHECKED BY : DWL

DRILLING					MATERIAL							
DRILLING & CASING	WATER	DRILLING PENETRATION	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	RL (m)	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE CONDITION	CONSISTENCY	STRUCTURE & Other Observations
AD/T					0.0	0.05	ASPHALT					
					0.55m	0.5	GRAVELLY SAND (FILL): Orange-brown, fine to coarse grained sand, fine to medium gravel, trace silt.			M	D	
					1.70m	1.5	BASALT: Red brown, red, extremely to highly weathered (recovered as Sandy GRAVEL).					
						1.50m	- grey, highly weathered (recovered as Sandy GRAVEL)			M		
						3.50m	- grey, slightly weathered (recovered as Sandy GRAVEL)					3.50: Drilling becoming comparatively harder
						4.00m	- pale brown in colour, (increase in recovered fines content recovered)					
					4.80m	4.80m	BH-A05 terminated @ 4.8mbgl, TC drill bit refusal					

DRILLING HA Hand Auger RR Rock Rolling AS Auger Screw HQ HQ Coring AD/T Auger Drill TC-bit NQ NQ Coring AD/V Auger Drill V-bit PQ PQ Coring WB Washbore NMLC NMLC Coring DRILLING PENETRATION VE Very Easy F Firm VH Very Hard E Easy H Hard GROUNDWATER SYMBOLS = Water level (static) = Water level (during drilling)				SAMPLES & FIELD TESTS D Disturbed Sample SPT Standard Penetration Test ES Env Soil Sample U Undisturbed Tube Sample EW Env Water 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) {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}	
MOISTURE CONDITION D = Dry M = Moist W = Wet											