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# BOREHOLE ENGINEERING LOG

BOREHOLE NO : BH-A02

CLIENT : QTMR/Aurecon	POSITION : E: 492053, N: 7037578 (56 MGA94)	PAGE : 1 OF 1
PROJECT : Sunshine Coast Landslips	SURFACE ELEVATION :	DATE DRILLED : 6/8/13 to 6/8/13
JOB NO : QE09860.810	DIP / AZIMUTH : 90°	LOGGED BY : LN
LOCATION : R494 Approx CH 6582	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
						0.0			0.05m ASPHALT			
						0.5			GRAVELLY SAND (FILL): Grey-brown, fine to coarse grained sand, fine to medium gravel.	M	D / VD	
						1.0			1.00m BASALT: Dark brown, highly weathered, (recovered as Sandy GRAVEL).			
						1.5				M		
						2.0						
						2.5			2.50m BH-A02 Terminated @ 2.5mbl, TC drill bit refusal			
						3.0						
						3.5						
						4.0						
						4.5						
						5.0						

<b>DRILLING</b> 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)				<b>SAMPLES &amp; FIELD TESTS</b> 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				<b>DENSITY (SPT N-value)</b> 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		<b>CONSISTENCY (Su) {N-value}</b> 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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