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BOREHOLE ENGINEERING LOG

BOREHOLE NO : BH-A14

CLIENT : QTM/Aurecon	POSITION : E: 492024, N: 7037652 (56 MGA94)	PAGE : 1 OF 1
PROJECT : Sunshine Coast Landslips	SURFACE ELEVATION :	DATE DRILLED : 8/8/13 to 8/8/13
JOB NO : QE09860.810	DIP / AZIMUTH : 90°	LOGGED BY : LN
LOCATION : R494 Approx CH 6668	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	0.05m	ASPHALT: 50 mm.					
					0.5	0.50m	GRAVELLY SAND (FILL) (GP): Grey brown, fine to coarse grained sand, fine to medium gravel, trace of silt.	GP		M	D	
					1.0		BASALT: Grey brown, extremely to highly weathered (recovered as Sandy GRAVEL).			M		
					1.5	1.30m	- increased fines content, increased consistency of rockmass (>RQD)			D		1.30: Increased drilling difficulty,
					1.70m				BH-A14 Terminated @ 1.70mbgl, termination depth			

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			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}	
DRILLING PENETRATION VE Very Easy F Firm VH Very Hard E Easy H Hard			MOISTURE CONDITION D = Dry M = Moist W = Wet						
GROUNDWATER SYMBOLS = Water level (static) = Water level (during drilling)									