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BOREHOLE ENGINEERING LOG

BOREHOLE NO : BH-A12

CLIENT : QTMR/Aurecon	POSITION : E: 491980, N: 7037720 (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 6748	CONTRACTOR : Drillsure	CHECKED BY : DWL

DRILLING					MATERIAL							
PROGRESS	DRILLING & CASING	WATER	DRILLING PENETRATION	GROUND WATER LEVELS	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			0.06m ASPHALT: 55 mm.			
						0.5		SP	GRAVELLY SAND (FILL) (SP): Brown, fine to coarse grained sand, fine to medium gravel, with silt.	M	D	
						1.0		SC	1.00m BASALT (SC): Red brown, highly weathered (recovered as Sandy GRAVEL).	M		
						1.5			1.50m CORE LOSS 1.80m (1.50-3.30)			1.50: 100% water loss withing core run, likely due to presence of sub-vertical joints/defects withing rockmass
						3.30			BH-A12 Terminated @ 3.3m bgl, due to high level of loss			

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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} MD Medium Dense 25 - 50 {4-8} D Dense 50 - 100 {8-15} VSt Very Stiff 100 - 200 {15-30} H Hard > 200 kPa {>30}
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