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BOREHOLE ENGINEERING LOG

BOREHOLE NO : BH-A10

CLIENT : QTMR/Aurecon

POSITION : E: 491994, N: 7037700 (56 MGA94)

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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 6725

CONTRACTOR : Drillsure

CHECKED BY : DWL

DRILLING					MATERIAL							
PROGRESS		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
DRILLING & CASING	WATER											
AD/T				0.25m D-1		0.0			ASPHALT: 150 mm.			0.50: Presumed from rockfill wall
			0.15m			SP	GRAVELLY SAND (FILL) (SP): Brown, fine to coarse grained sand, fine to coarse gravel.	M				
			0.50m				ROCKFILL: Grey, (recovered as gravel and cobble sized material).	D	VD			
			1.50m				BASALT: Grey, highly weathered, with clay fines.	D				
					2.0	2.00m			BH-A10 Terminated @ 2.00mbgl, rockfill damaging auger			
						2.5						
						3.0						
						3.5						
						4.0						
						4.5						
						5.0						

DRILLING				SAMPLES & FIELD TESTS				DENSITY (SPT N-value)		CONSISTENCY (Su) {N-value}			
HA	Hand Auger	RR	Rock Rolling	D	Disturbed Sample	SPT	Standard Penetration Test	VL	Very Loose	0 - 4	VS	Very Soft	< 12 kPa {0-2}
AS	Auger Screw	HQ	HQ Coring	ES	Env Soil Sample	U	Undisturbed Tube Sample	L	Loose	4 - 10	S	Soft	12 - 25 {2-4}
AD/T	Auger Drill TC-bit	NQ	NQ Coring	EW	Env Water Sample	W	Water Sample	MD	Medium Dense	10 - 30	F	Firm	25 - 50 {4-8}
AD/V	Auger Drill V-bit	PQ	PQ Coring					D	Dense	30 - 50	St	Stiff	50 - 100 {8-15}
WB	Washbore	NMLC	NMLC Coring	HP	Hand Penetrometer			VD	Very Dense	50 - 100	VSt	Very Stiff	100 - 200 {15-30}
				HV	Hand Vane Shear			CO	Compact	>50/150mm	H	Hard	> 200 kPa {>30}
DRILLING PENETRATION				MOISTURE CONDITION									
VE	Very Easy	F	Firm	VH	Very Hard			D = Dry M = Moist W = Wet					
E	Easy	H	Hard										
GROUNDWATER SYMBOLS				N SPT blows per 300mm									
▼ = Water level (static)				HW SPT penetration by hammer weight									
▽ = Water level (during drilling)				RW SPT penetration by rod weight									