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BOREHOLE ENGINEERING LOG

BOREHOLE NO : BH-A16

CLIENT : QTMR/Aurecon

POSITION : E: 492047, N: 7037602 (56 MGA94)

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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 6612

CONTRACTOR : Drillsure

CHECKED BY : DWL

DRILLING					MATERIAL							
PROGRESS		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 ↓						0.0		SP	0.05m ASPHALT: 50 mm.			1.00: Inferred boundary only
			1.00m D-1		0.5	GRAVELLY SAND (FILL) (SP): Brown, fine to coarse grained sand, fine to medium gravel, with silt.			D	D		
			2.00m D-2		1.0	BASALT: Brown, extremely to highly weathered (recovered as Sandy GRAVEL, fine to medium, rounded to sub-angular).						
			3.00m D-3		2.0	- red brown, highly weathered	D					
						2.5						
						3.0						
						3.30m			BHA16 Terminated @3.30mbgl, TC drill bit refusal			
						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}								
DRILLING PENETRATION				HV	Hand Vane Shear	MOISTURE CONDITION		CO	Compact	>50/150mm	H	Hard	> 200 kPa {>30}								
VE	Very Easy	F	Firm	VH	Very Hard	D = Dry M = Moist W = Wet															
E	Easy	H	Hard																		
GROUNDWATER SYMBOLS																					
▼ = Water level (static)																					
▽ = Water level (during drilling)																					