BOREHOLE ENGINEERING LOG

BOREHOLE NO : BH-A14

CLIENT : QTMR/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

PROGRESS: DRILLING & CASING	PROGRESS: 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.			
				0.50m D-1		0.5		GP	GRAVELLY SAND (FILL) (GP): Grey brown, fine to coarse grained sand, fine to medium gravel, trace of silt.	M	D	
									0.50m BASALT: Grey brown, extremely to highly weathered (recovered as Sandy GRAVEL).	M		
						1.0			1.30m - increased fines content, increased consistency of rockmass (>RQD)	D		1.30: Increased drilling difficulty,
				1.50m D-2		1.5						
				1.70m D-3					1.70m BH-A14 Terminated @ 1.70mbgl, termination depth			
						2.0						
						2.5						
						3.0						
						3.5						
						4.0						
						4.5						
						5.0						

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

MOISTURE CONDITION
D = Dry M = Moist W = Wet

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}

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