BOREHOLE ENGINEERING LOG

BOREHOLE NO : BH-A16

CLIENT : QTMR/Aurecon	POSITION : E: 492047, N: 7037602 (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 6612	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.			
								SP	GRAVELLY SAND (FILL) (SP): Brown, fine to coarse grained sand, fine to medium gravel, with silt.	D	D	
				1.00m D-1		1.0			1.00m BASALT: Brown, extremely to highly weathered (recovered as Sandy GRAVEL, fine to medium, rounded to sub-angular).			1.00: Inferred boundary only
				2.00m D-2		2.0			2.00m - red brown, highly weathered	D		
				3.00m D-3		3.0			3.30m BHA16 Terminated @3.30mbgl, TC drill bit refusal			
						4.0						
						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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