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BOREHOLE ENGINEERING LOG

HOLE NO : CURVE 16_BH02

CLIENT : TRANSPORT AND MAIN ROADS

POSITION : E: 359771, N: 8137177 (56 MGA94)

PAGE : 1 OF 1

PROJECT : BLACK SPOT PROJECT

SURFACE ELEVATION : 71.5 (AHD)

DATE DRILLED : 26/7/13 TO 26/7/13

JOB NO : CB24735.04

DIP / AZIMUTH : 90°

LOGGED BY : JP

LOCATION : KENNEDY HWY (CAIRNS - MAREEBA)

CHECKED BY : AJ

DRILLING				MATERIAL			
PROGRESS	DRILLING & CASING	GROUND WATER LEVELS	SAMPLES & FIELD TESTS	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	STRUCTURE & Other Observations
				RL (m)	CLASSIFICATION SYMBOL	Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	
DRILLING & CASING: AD/T WATER: F DRILLING PENETRATION: VH, F GROUND WATER LEVELS: NOT OBSERVED SAMPLES & FIELD TESTS: 0.15m B, 1.50m B, 2.50m B				71.5		ASPHALT: 0.10 m.	FILL
				71.0	GM	SILTY GRAVEL (GM): Orange brown, fine to medium grained angular gravel, with medium to coarse grained sand and clay.	0.15: Moisture Content (%) = 3.3, Liquid Limit (%) = 25, Plastic Limit (%) = 18, Plasticity Index (%) = 7, Linear Shrinkage (%) = 2.5, % Passing 37.5mm: 100, % Passing 2.36mm: 62, % Passing 0.425mm: 47, % Passing 0.075mm: 35, % Passing 0.002mm: 5, Max. Dry Density (t/m³) = 2.04, OMC (%) = 8
				70.5			
				70.0			
				69.5			From 2.00m trace of roots
			69.0			PHYLLITE: Grey, highly weathered, low to medium strength.	HIGHLY WEATHERED ROCK
				68.5		Terminated Drill Hole at 2.50 m refusal on estimated high strength phyllite	
				68.0			
				67.5			

DRILLING			SAMPLES & FIELD TESTS		DENSITY (SPT N-value)		CONSISTENCY (Su) {N-value}						
HA	Hand Auger	RR	Rock Rolling	DS	Disturbed Sample	SPT	Standard Penetration Test	VL	Very Loose	0 - 4	VS	Very Soft	< 12 kPa {0-2}
AS	Auger Screw	AT	Air Track	ES	Env Soil Sample	U	Undisturbed Tube Sample	L	Loose	4 - 10	S	Soft	12 - 25 {2-4}
AD/T	Auger Drill TC-bit	HQ	HQ 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	NQ	NQ Coring	HP	Hand Penetrometer			D	Dense	30 - 50	St	Stiff	50 - 100 {8-15}
WB	Washbore	NMLC	NMLC Coring	HV	Hand Vane Shear			VD	Very Dense	50 - 100	VSt	Very Stiff	100 - 200 {15-30}
								CO	Compact	>50/150mm	H	Hard	> 200 kPa {>30}

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