ENGINEERING BOREHOLE LOG

Queensland Government

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No **BH606**
SHEET 1 of 3
REFERENCE No **11575**

PROJECT Townsville Ring Road Section 4 Dalrymple Overpass
LOCATION Dalrymple Overpass COORDINATES 467193.5 E; 7867032.6 N
PROJECT No FG 6020 SURFACE R.L. 16.53m PLUNGE DATE STARTED 10/9/13 GRID DATUM MGA94 Zone 55
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 11/9/13 DRILLER Cairns Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER / CASING / WASH BORING	RQD ( )% CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL EL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	16.53													
	16.23				**Sandy SILT (Topsoil):** Pale brown, dry, firm. Some grass/tree roots.									
					Sandy SILT: Pale brown, grey, moist, hard.									
1				A								12,25,30/120 N>50		SPT
2				B	Becoming clayey sandy silt. Some fine to medium gravel.							13,21,26 N=47		SPT
3				C	High clay content.		(ML)					7,12,25 N=37		SPT
4				D	Becoming sandy silt.							30/70 N>50		SPT
5				E								30/140 N>50		SPT
6	10.43				**Silty SAND:** Yellow, brown, pale grey, moist, dense. Fine to coarse grained sand.									
				F	Trace clay.							12,16,19 N=35		SPT
8				G	Becoming very dense.		(SM)					16,29,30/110 N>50		SPT
9					9.1m: Sandy clay lense sizing 0.25m.									
10				H	Becoming fine to medium grained sand.							17,30/120 N>50		SPT

REMARKS

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BOREHOLE No BH606
SHEET 2 of 3
REFERENCE No 11575

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10	6.53				**Silty SAND:** (Cont'd)		(SM)						
	6.03				**Sandy CLAY:** Pale grey to brown, moist, very stiff. Low to intermediate plasticity.								
11				J								7,12,18 N=30	SPT
12				K	Becoming hard.							8,15,20 N=35	SPT
13							(CL-CI)						
14				L	Becoming very stiff. Mainly intermediate plasticity.							5,9,12 N=21	SPT
15													
				M	Grading into Sandy SILT.							9,14,15 N=29	SPT
16	0.53				**Sandy SILT:** Pale grey brown, moist, hard.								
17				N								11,24,30/120 N>50	SPT
18							(ML)						
				P	Colour change to brown, yellow.							13,27,30/120 N>50	SPT
19													
20													

REMARKS

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20	-3.47			Q	**Sandy SILT:** (Cont'd)		(ML)					8,16,23 N=39		SPT
	-3.92				Borehole terminated at 20.45m									
21														
22														
23														
24														
25														
26														
27														
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