Queensland Government

ENGINEERING BOREHOLE LOG

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

BOREHOLE No **BH607**
SHEET 1 of 3
REFERENCE No **H11576**

PROJECT Townsville Ring Road Section 4
LOCATION Dalrymple Overpass COORDINATES 467195.9 E; 7867044.8 N
PROJECT No FG6020 SURFACE R.L. 16.61m PLUNGE DATE STARTED 9/10/13 GRID DATUM MGA94 Zone 55
JOB No 268/10M/5 HEIGHT DATUM AHD BEARING DATE COMPLETED 10/10/13 DRILLER Saxon

DEPTH (m)	R.L. (m)	AUGER / 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	16.61				**Sandy SILT (Topsoil):** Brown, dry, soft-firm. Some tree roots.									
	16.31				**Sandy SILT** Pale brown, moist, hard.									
1				A								6,15,18 N=33		SPT
2				B	Becoming very stiff.		(ML)					7,13,16 N=29		SPT
3				C	Becoming hard.							10,27,30/70 N>50		SPT
4	12.61			D	**Silty SAND** Brown, moist, very dense. Fine to medium grained sand.		(SM)					29,30/50 N>50		SPT
	11.71				**Sandy SILT**									
5				E	Brown to pale brown, moist, hard.							17,29,30/80 N>50		SPT
6														
7				F			(ML)					13,22,26 N=48		SPT
8	8.46			G	**Clayey SAND** Grey brown, moist, very dense. Fine to coarse grained sand. Some fine medium gravel.							~~8,20,30/110~~ N>50		SPT
9							(SC)							
10	6.61			H	Becoming dense.							14,19,21 N=40		SPT

REMARKS

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BOREHOLE No **BH607**
SHEET 2 of 3
REFERENCE No **H11576**

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10	6.61				**Sandy SILT** Pale brown, moist, very stiff.									
11				J			(ML)					8,12,16 N=28		SPT
12	4.61				**Sandy CLAY** Pale grey brown, moist, very stiff. Mainly intermediate plasticity.									
				K								6,12,10 N=22		SPT
13														
14				L	High content of sand. Becoming low plasticity		(CI)					4,10,15 N=25		SPT
15														
				M	Low content of sand. Becoming intermediate to high plasticity.							5,8,8 N=16		SPT
16	0.11													
					Clayey SAND Yellow brown, moist, very dense. Fine to coarse grained sand.									
17				N								23,30/90 N>50		SPT
18							(SC)							
				P	18.50-19.00m: Layer of hard, Sandy SILT.							14,20,27 N=47		SPT
19	-2.59													
					Silty SAND Pale brown, moist, medium dense. Fine to medium grained sand.		(SM)							
20														

REMARKS

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20	-3.39			Q	**Silty SAND:** (Cont'd)		(SM)					10,15,15 N=30		SPT
	-3.84				Borehole terminated at 20.45m									
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														

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