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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No BH135
SHEET 1 of 2
REFERENCE No 12080

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
LOCATION Embankment; CH: 8957m; COORDINATES 721460.4 E; 7661276.2 N
PROJECT No FG6184 SURFACE R.L. 8.28m PLUNGE DATE STARTED 3/11/14 GRID DATUM GDA 94 / MGA Zone 55
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 4/11/14 DRILLER ND Drilling Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD () % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	INTACT STRENGTH								DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	VH	M	J	VL	EL	EC	VC				
0	8.28				Sandy CLAY (TOPSOIL) Black, dry, soft. Low plasticity. Fine to coarse grained sand. Roots & root fibres.	(CL)													
0.60	7.68				Clayey SAND (ALLUVIUM) Dark brown, moist, loose. Fine to coarse grained.	(SC)												3,3,3 N=6	SPT
1				A															
1.50	6.78				SAND (ALLUVIUM) Brown, moist, loose. Fine to coarse grained. Trace fine to medium, rounded to subrounded gravel.	(SP-SM)												2,3,5 N=8	SPT
2				B															
3	5.28				Silty SAND (ALLUVIUM) Brown, grey, wet, loose to medium dense. Fine to coarse grained. With fine to coarse, rounded to subrounded gravel.	(SM)												9,5,4 N=9	SPT
3.90				C															
4																	▽ 03/11/14	10,10,7 N=17	SPT
5																		9,9,9 N=18	SPT
5				E	From 5.00m: Trace fine to medium, rounded to subrounded gravel.	(SM)													
6																		7,6,9 N=15	SPT
7	1.13																		
7	1.13				Sandy Silty GRAVEL (ALLUVIUM) Brown, orange, grey, wet, dense to very dense. Fine to coarse, subangular to subrounded gravel. Fine to coarse grained sand.	(GM)												21,22,30 N=52	SPT
7.15				G															
8																		15,11,9 N=20	SPT
8				H															
9	-0.72				Silty SAND (ALLUVIUM) Brown, grey, black, wet, medium dense. Fine to coarse grained sand.	(SM)												9,7,6 N=13	SPT
9	-0.72			I															
10																			

REMARKS Kgwu - Wundaru Granodiorite;

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DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING							DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	H	M	J	VL	EL				
10	-1.72				J	Silty SAND (ALLUVIUM) (Cont'd) 10.30m: Becoming white and brown.												5,5,8 N=13	SPT
11					K	11.00m: Becoming brown, grey and black.	(SM)											12,11,12 N=23	SPT
13.20	-4.92				L	Sandy Silty GRAVEL (ALLUVIUM) Brown, orange, grey, wet, dense to very dense. Fine to coarse, subrounded gravel. Fine to coarse grained sand.	(GM)											16,24,28 N=52	SPT
13.80	-5.52				M	Silty SAND (ALLUVIUM) Brown, wet, medium dense. Fine to medium grained sand.	(SM)											1,2,16 N=18	SPT
14.30	-6.02				N	GRANODIORITE (Kgwu) XW: Recovered as grey-orange, very dense Clayey SAND.												12,20,21 N=41	SPT
15.45	-7.17					Borehole terminated at 15.45m.													
16																			
17																			
18																			
19																			
20																			

TMR JAN 15.GLB Log_A_ENG ENGINEERING BOREHOLE LOG W LITHOLOGY FG6184 - BOREHOLES.GPJ <<DrawingFile>> Datget:CPT Tool gInt Add-In 04/03/2015 10:51

REMARKS Kgwu - Wundaru Granodiorite;

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