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ENGINEERING BOREHOLE LOG

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

BOREHOLE No **BH129**
SHEET **1** of **2**
REFERENCE No **12075**

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
LOCATION Embankment; CH: 8465m; COORDINATES 721373.9 E; 7660790.9 N
PROJECT No FG6184 SURFACE R.L. 9.82m PLUNGE _____ DATE STARTED 9/10/14 GRID DATUM GDA 94 /MGA Zone 55
JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 9/10/14 DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	9.82												
0.50	9.32					Sandy SILT (TOPSOIL) Brown, moist, soft. Low plasticity.	(ML)						
1					A	Silty SAND (ALLUVIUM) Brown, moist, mainly loose to medium dense. Fine grained.						2,3,4 N=7	SPT
2					B							3,4,3 N=7	SPT
3					C	3.00m: Becoming fine to medium grained.	(SM)					3,3,3 N=6	SPT
4					D	4.00m: Becoming medium dense.						3,6,5 N=11	SPT
5					E							3,6,7 N=13	SPT
5.50	4.32												
6					F	Gravelly Silty SAND (ALLUVIUM) Brown, moist, dense. Fine to medium grained sand. Medium, subrounded gravel.	(SM)					3,15,17 N=32	SPT
6.50	3.32												
7					G	Sandy GRAVEL (ALLUVIUM) Brown and black, moist, medium dense to very dense. Fine to medium, subrounded gravel. Fine to coarse grained sand.						30/140	SPT
8					H		(GW)					24,23,20 N=43	SPT
9					J							4,9,8 N=17	SPT
9.50	0.32												
10						Silty Gravelly SAND (ALLUVIUM) Brown, moist, medium dense. Fine to coarse grained sand. Medium	(SM)						

REMARKS _____

LOGGED BY
MS

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH129
SHEET 2 of 2
REFERENCE No 12075

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
LOCATION Embankment; CH: 8465m; COORDINATES 721373.9 E; 7660790.9 N
PROJECT No FG6184 SURFACE R.L. 9.82m PLUNGE _____ DATE STARTED 9/10/14 GRID DATUM GDA 94 /MGA Zone 55
JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 9/10/14 DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-0.18												
10.60	-0.78				K	gravel. Silty Gravelly SAND (ALLUVIUM) (Cont'd)		(SM)				7,11,14 N=25	SPT
11					L	Sandy GRAVEL (ALLUVIUM) Brown and black, moist, medium dense. Fine to medium gravel. Fine to coarse grained sand.		(GW)				11,14,9 N=23	SPT
11.90	-2.08				M	Sandy Silty CLAY (RESIDUAL) Brown and yellow mottled grey, moist, stiff to very stiff. Medium to high plasticity.						4,9,18 N=27	SPT
13					N							6,7,8 N=15	SPT
14					P	14.00m: Becoming Silty CLAY. High plasticity.		(CI-CH)				6,7,10 N=17	SPT
15					Q							5,6,8 N=14	SPT
15.45	-5.63					Borehole terminated at 15.45m. .							
16													
17													
18													
19													
20													

REMARKS _____

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