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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH107
SHEET 1 of 2
REFERENCE No 12054

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
LOCATION Embankment; CH: 4921m; COORDINATES 720863.5 E; 7657284.6 N
PROJECT No FG6184 SURFACE R.L. 11.51m PLUNGE _____ DATE STARTED 20/9/14 GRID DATUM GDA 94 /MGA Zone 55
JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 21/9/14 DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER 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	11.51												
1					A	Silty CLAY (ALLUVIUM) Dark brown, moist, firm to stiff. High plasticity. 0.50m: Becoming pale orange-brown and grey.	(CH)					2,4,4 N=8	SPT
1.90	9.61				B	Sandy Silty CLAY (ALLUVIUM) Orange-brown mottled grey, moist, stiff. High plasticity. Fine grained sand.	(CH)					3,4,5 N=9	SPT
2.90	8.61				C	Silty SAND (ALLUVIUM) Pale brown, moist, medium dense. Fine grained.	(SM)					5,7,6 N=13	SPT
3.80	7.71				D	Silty CLAY (ALLUVIUM) Pale grey and brown, moist, stiff to very stiff. High plasticity.	(CH)					3,3,6 N=9	SPT
5					E							3,7,10 N=17	SPT
6					F							6,9,12 N=21	SPT
7					G		(CH)					5,7,11 N=18	SPT
8					H							4,6,8 N=14	SPT
9					J							4,6,8 N=14	SPT
10.10	1.51												

REMARKS _____

LOGGED BY
ME

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH107
SHEET 2 of 2
REFERENCE No 12054

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
LOCATION Embankment; CH: 4921m; COORDINATES 720863.5 E; 7657284.6 N
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DEPTH (m)	R.L. (m)	AUGER 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	1.51												
11					K	Silty CLAY (ALLUVIUM) (Cont'd)	(CH)					6,9,11 N=20	SPT
11.70	-0.19				L							6,8,9 N=17	SPT
12					M	Silty Clayey SAND (ALLUVIUM) Pale brown and grey, moist, medium dense.	(SC)					7,13,12 N=25	SPT
12.90	-1.39				N	Silty CLAY (RESIDUAL) Pale brown and grey, moist, stiff to very stiff. High plasticity.	(CH)					7,11,16 N=27	SPT
13					P							8,11,14 N=25	SPT
14					Q							5,6,7 N=13	SPT
15	-3.94					Borehole terminated at 15.45m. .							
15.45													
16													
17													
18													
19													
20													

REMARKS _____

LOGGED BY
ME