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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH112
SHEET 1 of 2
REFERENCE No 12058

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
LOCATION Embankment; CH: 5178m; COORDINATES 720910.1 E; 7657536.9 N
PROJECT No FG6184 SURFACE R.L. 12.34m PLUNGE _____ DATE STARTED 20/9/14 GRID DATUM GDA 94 /MGA Zone 5
JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 20/9/14 DRILLER Saxon Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD () % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	INTACT STRENGTH								DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
							EH	EH	H	M	J	VL	EL	EC					VC	W
0	12.34				Clayey Sandy SILT (ALLUVIUM) Dark brown, moist, soft. Low plasticity.	(ML)														
0.60	11.74			A	Silty CLAY (ALLUVIUM) Brown mottled orange and grey, moist, stiff. High plasticity.	(CH)													3.4,8 N=12	SPT
1				B		(CH)													2.5,5 N=10	SPT
2				C	3.00m: Becoming very stiff Silty Sandy CLAY.	(CH)													4.8,10 N=18	SPT
3	8.84			D	Silty SAND (ALLUVIUM) Brown, moist, medium dense. Fine to medium grained.	(SM)													4.6,6 N=12	SPT
4	7.54			E	Silty CLAY (ALLUVIUM) Dark grey and dark brown, moist, stiff to very stiff. High plasticity.	(CH)													3.5,15 N=20	SPT
5				F		(CH)													3.5,5 N=10	SPT
6				G		(CH)													5.9,19 N=28	SPT
7	4.84			H	Silty Sandy CLAY (ALLUVIUM) Brown mottled orange and grey, moist, very stiff to mainly hard. High plasticity with occasional medium plasticity zones.	(CH)													7,12,16 N=28	SPT
8				J		(CH)													7,12,18 N=30	SPT
9																				
10																				

REMARKS _____

LOGGED BY
MS

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH112
 SHEET 2 of 2
 REFERENCE No 12058

PROJECT Mackay Ring Road Geotechnical Investigation - Stage 1
 LOCATION Embankment; CH: 5178m; COORDINATES 720910.1 E; 7657536.9 N
 PROJECT No FG6184 SURFACE R.L. 12.34m PLUNGE _____ DATE STARTED 20/9/14 GRID DATUM GDA 94 /MGA Zone 56
 JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 20/9/14 DRILLER Saxon Drilling

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	EC	VC	WC	W					VW	EW									
10	2.34																																	
					K	Silty Sandy CLAY (ALLUVIUM) (Cont'd)	Diagonal Hatching	(CH)																	8,15,22 N=37	SPT								
10.50	1.84				L	Clayey SAND (ALLUVIUM) Orange and brown, moist, medium dense to dense. Fine to medium grained.	Diagonal Hatching																	10,12,16 N=28	SPT									
11					M		Diagonal Hatching																	5,13,14 N=27	SPT									
12					N	13.0m: Colour change to pale grey. Becoming dense. Becoming fine to coarse grained. Trace fine gravel.	Diagonal Hatching	(SC)																9,12,20 N=32	SPT									
13					P		Diagonal Hatching																	11,13,21 N=34	SPT									
14							Diagonal Hatching																											
14.50	-2.16				Q	Silty CLAY (RESIDUAL) Grey, moist, very stiff to hard. High plasticity.	Diagonal Hatching	(CH)																8,13,17 N=30	SPT									
15							Diagonal Hatching																											
15.45	-3.11					Borehole terminated at 15.45m.																												
16																																		
17																																		
18																																		
19																																		
20																																		

REMARKS _____

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