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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH306**

Sheet 1 of 1

REFERENCE No _____

PROJECT **Mackay Ring Road**

LOCATION _____ COORDINATES **721542.3 E; 7663551.3 N**

PROJECT No **FG6184** SURFACE RL **18.37m** PLUNGE **90°** DATE STARTED **07/10/2015** GRID DATUM **GDA 94 / MGA Z55**

JOB No **242/10G/906** HEIGHT DATUM **A.H.D.** BEARING **°** DATE COMPLETED **07/10/2015** DRILLER **Saxon Drilling**

| DEPTH (m) | R.L. (m) | AUGER CASING WASHBORING CORE DRILLING | RQD (%) | CORE REC % | SAMPLE | MATERIAL DESCRIPTION | LITHOLOGY | USCS WEATHERING | INTACT STRENGTH | DEFECT SPACING | ADDITIONAL DATA AND TEST RESULTS | SAMPLES TESTS | |
|-----------|----------|---------------------------------------|---------|------------|--------|---|-----------|-----------------|-----------------|----------------|----------------------------------|----------------|----|
| | | | | | | | | | | | | | EH |
| 17.97 | | | | | | Sandy SILT trace cobbles (Fill) Brown, dry, loose. | | | | | | | |
| 17.27 | | | | | A | Fine grained sand, cobbles are angular to subangular. Sandy SILT (Topsoil) Dark brown, dry, loose. | | | | | | | |
| 16.67 | | | | | | Fine grained sand. Silty CLAY (Alluvium) Grey mottled orange brown, dry, firm. | (CL) | | | | | 4, 3, 4 N=7 | |
| 15.77 | | | | | B | Low plasticity. Clayey Silty SAND trace gravel (Residual) Pale orange brown, dry, medium dense to dense. | (SC) | | | | | | |
| 14.57 | | | | | C | Fine grained sand, gravel is subangular grains. DOLERITE XW: Recovered as grey, dry, very dense, gravelly sand. Fine grained sand, fine to medium grained gravel, angular grains. | | | | | | | |
| | | | (0) | | | DOLERITE MW: Brown grey, fine grained, massive, medium to high strength. Fractured throughout. Clayey infill. | | | | | | | |
| | | | 100 | | | Js: 15° to 30°; (<20/m); Pl/Sm; Tl; Fe St; Cly; | | | | | | | |
| | | | (0) | | | Js: 30° to 50°; (<25/m); Pl/Sm; OP-Tl; Cly Vr <1mm, Fe St; | MW | | | | | | |
| | | | 100 | | | Js: 80° to 90°; (<2/m); Pl/Sm; Tl; Cly Vr or CA Vr <1mm; | | | | | | | |
| | | | (0) | | | 4.87 to 5.20m: GRANODIORITE (MW): Grey and pale pink, fine to coarse grained, medium strength. Fractured throughout. | | | | | | | |
| | | | 100 | | | 5.20m: becomes pale brown grey. | | | | | | | |
| | | | (0) | | | | HW | | | | | | |
| 11.49 | | | 100 | | | DOLERITE SW: Grey, fine grained, massive, very high strength. Heavily jointed. | | | | | | | |
| | | | (0) | | | Js: 20° to 40°; (<8/m); Pl/Sm; OP-Tl; Fe St; | | | | | | | |
| | | | (31) | | | Js: 50° to 70°; (<7/m); Pl/Sm; OP-Tl; Fe St; | SW | | | | | | |
| | | | 100 | | | | | | | | | | |
| | | | (0) | | | | | | | | | | |
| 9.47 | | | 100 | | | | | | | | | | |
| | | | | | | Borehole completed at 8.90m | | | | | | | |

| | | |
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| REMARKS: | LOGGED BY | REVIEWED BY |
| | C.Boyes | |