COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the <u>Creative Commons Attribution 4.0 Licence</u> (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence". This licence does not apply to the Queensland Government logo or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database http://qgd.org.au/



TMR JAN 15.GLB Log A_ENGINEERING BOREHOLE LOG W LITHOLOGY FG6184 - BOREHOLES.GPJ <<DrawingFile>> Datgel CPT Tool glNt Add-In 04/03/2015 10:49

ENGINEERING BOREHOLE LOG

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

| BOREHOLE No | BH101 |
|--------------|------------|
| SHEET | _1_ of _2_ |
| REFERENCE No | 12048 |

| PROJECT | _ <u>Mac</u> | kay Ring F | Road_ | Geotechnical Investigation - Stage 1 | | | | | | | | |
|-------------------------------------------------------------------------|----------------------|-------------|--------------|-----------------------------------------------------------------------------------------------------------------------------|-----------|-----|-----------------------------|---------------------------------------|-------------|---------------------------------------------|--|--|
| LOCATION | <u>Emt</u> | ankment; | <u>CH: :</u> | <u>3742m;</u> | | | | | COOR | DINATES <u>720707.6 E; 7656115.2 N</u> | | |
| PROJECT No_FG6184 | | | | SURFACE R.L. <u>11</u> . <u>92</u> m PLUNGE _ | | | DATE STARTED <u>16/9/14</u> | | | GRID DATUM GDA 94 /MGA Zone § | | |
| JOB No | | | | HEIGHT DATUM <u>AHD</u> BEARING _ | | | | DATE COMPLETED <u>1</u> | 6/9/14 | DRILLER <u>Saxon Drilling</u> | | |
| R.L. (m) HL d d d d d d d d d d d d d d d d d d d | AUGEK WASH BORING | RQD ()% | SAMPLE | MATERIAL DESCRIPTION | LITHOLOGY | USC | WEATHERING | INTACT DEFECT SPACING (mm) | GRAPHIC LOG | ADDITIONAL DATA AND TEST RESULTS RESULTS | | |
| - - - - - - - - - - - - 10.80 11.12 | | | | Sandy CLAY (ALLUVIUM) Dark brown, moist, stiff. High plasticity. Fine grained sand. | | (CI | | | | | | |
| -1 | | | Α | Silty CLAY (ALLUVIUM) Brown-grey mottled orange, moist, stiff. High plasticity. Trace coarse grained sand. | | (CI | Н) | + | | 4,4,6 N=10 | | |
| 10.12 2 | | | В | SAND (ALLUVIUM) Brown, moist, medium dense. Medium grained, rounded particles. Trace silt. | | | | | | 4,4,6 N=10 | | |
| -3 3 | | | С | | | (SI | P) | | | 7,7,9 N=16 | | |
| 3.80 8.12 4 | | | D | Silty CLAY (ALLUVIUM) Pale grey and brown, moist, stiff to very stiff. High plasticity. | | | | | | 4,6,9 N=15 | | |
| - -5 - - - - | | | E | | | | | | | 5,7,9 N=16 | | |
| - | | | F | | | (CI | H) | | | 7,8,10 N=18 | | |
| | | | G | 6.70m: Becoming stiff Sandy Silty CLAY. Fine grained sand. | | | | ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± | | 5,5,8 N=13 | | |
| 3.92 - - - - - - - | | | Н | Clayey Silty SAND (ALLUVIUM) Pale grey and orange, moist, medium dense. Fine to medium grained sand. High plasticity fines. | | | | <u> </u> | | 8,10,13 N=23 SPT = | | |
| 9 | | | J | 9.00m: Becoming loose. | | (SI | M) | ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± | | 2,2,3 N=5 | | |
| REMARKS | S | | | | M4H | | | | | LOGGED BY ME | | |



TMR JAN 15.GLB Log A_ENGINEERING BOREHOLE LOG W LITHOLOGY FG6184 - BOREHOLES.GPJ <<DrawingFile>> Datgel CPT Tool glNt Add-In 04/03/2015 10:49

ENGINEERINGBOREHOLE LOG

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

BOREHOLE No BH101

SHEET _2_ of _2_

REFERENCE No _12048__

| PROJECT | _M | acka | ay Ring F | Road | Geotechnical Investigation - Stage 1 | | | | | | | | |
|---------------------------------------------------------------------------------------------|----------------------|-------------|-------------|--------------|--------------------------------------------------------------------------------------------------------------------|-----------|-----|------------|-------------------------------------|--------------|-------------------------------|------------------|---------------|
| LOCATION | _Eı | mb <u>a</u> | nkment; | <u>CH: (</u> | 37 <u>42m;</u> | | | | co | ORDINATES | 720707 | .6 E; 7656115. | 2 <u>N</u> |
| PROJECT No_F <u>G6184</u> | | | | | SURFACE R.L. <u>11</u> . <u>92</u> m PLUNGE | | | | DATE STARTED 16/9/1 | I4 GRID [| GRID DATUM <u>GDA 94 /MG/</u> | | |
| JOB No | _ | | | | HEIGHT DATUM <u>AHD</u> BEARING | | _ | | DATE COMPLETED 16/9/1 | <u>14</u> DI | RILLER | Saxon Drilling | |
| R.L. (m) | AUGER WASH BORING | | RQD ()% | SAMPLE | MATERIAL DESCRIPTION | LITHOLOGY | JSC | WEATHERING | INTACT DEFECT STRENGTH SPACING (mm) | | ΓΙΟΝΑL I AND T RESUI | | SAMPLES TESTS |
| 10 1.9 | | | IXLO 70 | | Clayey Silty SAND (ALLUVIUM) | Ī | - | 7- | | | | 7.7.10 | - |
| - - - - - | | | | K | (Cont'd) Becoming medium dense. | | | | <u> </u> | | | 7,7,10 N=17 | SPT : |
| - - - - - - - - - - - - - - - - - - - | | | | L | | | (5 | SM) | ± | | | 7,11,15 N=26 | SPT : |
| - - - - 12 - - | 2 | | | М | Silty CLAY (ALLUVIUM) Pale grey and brown, moist, very stiff to hard. High plasticity. Trace fine grained sand. | | | | | | | 9,1,13 N=14 | SPT - |
| - - - - - - - - 13 | | | | N | | | (C | CH) | - | | | 9,14,15 | SPT - |
| - - - - - - - - 14 | | | | | | | | , | + | | | N=29 | |
| - - - - - - - - - - - - - - - - - - - | 8 | | | Р | 14.00m: Becoming hard. | | | | | | | 8,12,19 N=31 | SPT - |
| - - - 15 - - - - _{15.45} -3.5 | 3 | | | Q | Silty Clayey SAND (RESIDUAL) Pale grey, moist, dense. Fine to medium grained sand. Borehole terminated at 15.45m. | | (S | SC) | | | | 13,16,19 N=35 | SPT : |
| -16 17 17 18 19 19 | | | | | | | | | | | | | |
| REMAR | KS_ | | | | | | _ | | | | L | OGGED BY | |
| | _ | | | | | | _ | | | | | ME | |