

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (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/>



ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/5-2009

BOREHOLE No BH20
SHEET 1 of 1
REFERENCE No H10448

PROJECT Gateway Upgrade North (GUN)
LOCATION At CPTU 16 adjacent overhead Energex power lines COORDINATES 509692.9 E; 6972998.7 N
PROJECT No FP5249 SURFACE R.L. 2.48m PLUNGE -90° DATE STARTED 14/10/08 GRID DATUM MGA94 Zone 56J
JOB No _____ HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 15/10/08 DRILLER Drillsure Pty Ltd

| DEPTH (m) | R.L. (m) | AUGER CASING WASH BORING | RQD (%) | CORE REC % | SAMPLE | MATERIAL DESCRIPTION | INTACT STRENGTH | | | | | | GRAPHIC LOG | ADDITIONAL DATA AND TEST RESULTS | SAMPLES TESTS | |
|-----------|----------------|--------------------------|---------|------------|--------|--|-----------------|------------|----|----|----|----|---|----------------------------------|---------------|----|
| | | | | | | | USC | WEATHERING | EH | VH | VI | VI | | | | VI |
| 0 | 2.48 | | | | | FILL (Drilling records only) Sandy, moist. | | | | | | | | | | |
| 1 | 1.48 | | | | A | SANDY CLAY Brown, moist, soft. High plasticity; coarse sand fraction; occasional decomposed plant material present. | (CH) | | | | | | ▽ 14/10/2008 Measured at time of drilling | 2,2,1 N=3 | SPT | |
| 2 | 0.98 | | | | B | SANDY CLAY Dark grey, moist, soft to firm. Medium plasticity, partially decomposed plant material throughout. Becoming firm with depth. | (CI) | | | | | | LL=38%, PI=20%, LS=9% | | U100 | |
| 3 | 0.43 | | | | C | SILTY CLAY (Alluvial?) Pale brown, moist, firm on top becoming stiff to very stiff with depth. | | | | | | | | 2,3,3 N=6 | SPT | |
| 4 | | | | | D | Medium plasticity; relic ironstained joint features. | | | | | | | | 2,5,7 N=12 | SPT | |
| 5 | | | | | E | | (CI) | | | | | | | 3,7,6 N=13 | SPT | |
| 6 | -3.52 | | | | F | | | | | | | | | 3,5,6 N=11 | SPT | |
| 7 | | | | | G | BASALT FINE GRAINED EXTRUSIVE IGNEOUS ROCK XW: Exhibits the engineering properties of brown, moist, very stiff sandy clay. | | | | | | | | 4,8,9 N=17 | SPT | |
| 8 | | | | | H | Low to medium plasticity; ironstained relic joint features present; relic rock texture visible. | XW | | | | | | | 6,9,15 N=24 | SPT | |
| 9 | -5.52 -5.62 | | | | J | HW: Exhibits the engineering properties of grey, moist to slightly wet very dense clayey gravel. Borehole terminated at 8.1m | HW | | | | | | | 30/100 N>=50 | SPT | |

REMARKS _____

LOGGED BY
AS/SAB /