

## **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) 2026, 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/>

PROJECT CENTENARY BRIDGE DUPLICATION FOUNDATION INVESTIGATION

Sheet 1 of 3

HOLE No. 7

LOCATION Pier 6, 31677.0E 23308.2N

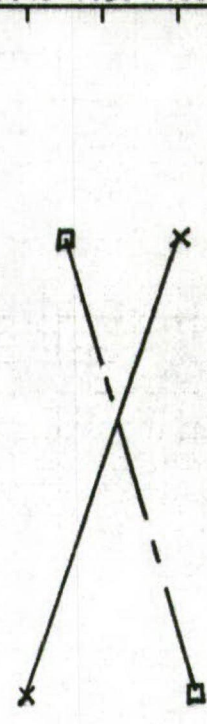
REF. No. H 5677

DATUM AHD

JOB No. 140/U18B/201 PROJECT No. 1-526

DATE 22/7/85

SURFACE R.L. 6.832

| DEPTH (m) | 1:50  | STRATA DESCRIPTION                                                                                                                |                         | FIELD SAMPLE & N VALUE | GRAPHIC LOG                                                                         | ENGINEERING PROPERTIES                                                               |                                                                                       |  |
|-----------|-------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|           | R.L.  | LITHOLOGY                                                                                                                         | SOIL TYPE OR WEATHERING |                        |                                                                                     | PARAMETERS & INDICES                                                                 | MC (%) x DD (t/m³) □                                                                  |  |
|           | 6.83  |                                                                                                                                   |                         |                        |                                                                                     |                                                                                      | x 20 x 22 x 24 x 26<br>□ 1.40 □ 1.50 □ 1.60 □ 1.70                                    |  |
| 1         |       | SILTY CLAY (CL)<br>Brown, moist, firm to stiff, silty clay with some very fine to fine sand lenses.                               |                         | A                      |   |  |                                                                                       |  |
| 2         |       |                                                                                                                                   |                         | B4                     |                                                                                     |                                                                                      |                                                                                       |  |
| 3         |       |                                                                                                                                   |                         | C                      |                                                                                     |                                                                                      | c=45kPa<br>φ=9°                                                                       |  |
| 4         |       |                                                                                                                                   |                         |                        |                                                                                     |                                                                                      |                                                                                       |  |
| 5         | 1.07  | CLAY (CH)<br>Grey, moist, marine clay with minor silt and fine sand lenses. Soft at top and stiff to very stiff in basal section. |                         | D14                    |  |                                                                                      |                                                                                       |  |
| 6         |       |                                                                                                                                   |                         | E4                     |                                                                                     |                                                                                      |                                                                                       |  |
| 7         | -0.07 |                                                                                                                                   |                         | F                      |                                                                                     |                                                                                      | c=21kPa<br>φ=28°                                                                      |  |
| 8         |       |                                                                                                                                   |                         |                        |                                                                                     |                                                                                      |  |  |

REMARKS

GEOL.  
ENGR.  
APPR.

S.P.T.

Core Loss

WEATHERED  
CONDITIONExtremely  
WeatheredHighly  
WeatheredModerately  
WeatheredSlightly  
WeatheredWater  
Level

NOTE

FOR TERMS AND SYMBOLS REFER  
TEST METHOD Q 188 - 1980  
MATERIALS TESTING MANUAL



PROJECT CENTENARY BRIDGE DUPLICATION FOUNDATION INVESTIGATION

Sheet 2 of 3

HOLE No. 7

LOCATION

REF. No. H 5677

DATUM

SURFACE R.L.

JOB No.

PROJECT No.

DATE

| DEPTH (m) | 1: 50 | STRATA DESCRIPTION                                                        |                         | FIELD SAMPLE & N VALUE | GRAPHIC LOG           | ENGINEERING PROPERTIES |                                                    |  |
|-----------|-------|---------------------------------------------------------------------------|-------------------------|------------------------|-----------------------|------------------------|----------------------------------------------------|--|
|           | R.L.  | LITHOLOGY                                                                 | SOIL TYPE OR WEATHERING |                        |                       | PARAMETERS & INDICES   | MC (%) x DD (t/m³) □                               |  |
|           | -3.17 |                                                                           |                         |                        |                       |                        | x 24 x 26 x 28 x 30<br>□ 1.45 □ 1.50 □ 1.55 □ 1.60 |  |
|           |       | <u>CLAY (CONT.)</u>                                                       | (CH)                    | G2                     | C = 21 kPa<br>φ = 28° | x □                    |                                                    |  |
| 1         |       |                                                                           |                         |                        |                       |                        |                                                    |  |
| 2         |       |                                                                           |                         | H                      |                       |                        |                                                    |  |
| 3         |       |                                                                           |                         | J19                    |                       |                        |                                                    |  |
| 4         |       |                                                                           |                         | K20                    |                       |                        |                                                    |  |
| 5         |       |                                                                           |                         |                        |                       |                        |                                                    |  |
| -8.77     |       | <u>SAND</u>                                                               | (SP)                    |                        |                       |                        |                                                    |  |
| 6         |       | Grey, moist, medium dense, fine to medium grained sand, clayey in places. |                         | L12                    |                       |                        |                                                    |  |
| 7         |       |                                                                           |                         |                        |                       |                        |                                                    |  |
| 8         |       |                                                                           |                         | M14                    |                       |                        |                                                    |  |
| 9         | 12.37 |                                                                           |                         |                        |                       |                        |                                                    |  |
|           |       | <u>CLAYEY SAND</u>                                                        | (SC)                    | N9                     |                       |                        |                                                    |  |
|           |       | (See Over)                                                                |                         |                        |                       |                        |                                                    |  |



PROJECT CENTENARY BRIDGE DUPLICATION FOUNDATION INVESTIGATION

Sheet 3 of 3

HOLE No. 7

LOCATION

REF. No. H 5677

DATUM

JOB No.

PROJECT No.

DATE

SURFACE R.L.

| DEPTH (m) | 1: 50 | STRATA DESCRIPTION                                                                                        |                                                                                                                                                                                                  | FIELD SAMPLE & N VALUE | GRAPHIC LOG | ENGINEERING PROPERTIES             |                                   |                             |  |  |  |
|-----------|-------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------|------------------------------------|-----------------------------------|-----------------------------|--|--|--|
|           | R.L.  | LITHOLOGY                                                                                                 | SOIL TYPE OR WEATHERING                                                                                                                                                                          |                        |             | PARAMETERS & INDICES               | MC (%) x DD (t/m <sup>3</sup> ) □ |                             |  |  |  |
|           |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    | x 24 x 26 x 28 x 30               | □ 1.45 □ 1.50 □ 1.55 □ 1.60 |  |  |  |
| -13.17    |       | CLAYEY SAND (CONT.) (SC)<br>Brown, moist, stiff to hard clayey sand. Some minor gravel in places to 35mm. | P                                                                                                                                                                                                |                        |             |                                    |                                   |                             |  |  |  |
| 1         |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    |                                   |                             |  |  |  |
| 2         |       |                                                                                                           |                                                                                                                                                                                                  | Q35                    |             | STRUCTURE                          | ENGINEERING PROPERTIES            |                             |  |  |  |
|           |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    | Intact Strength                   | Defect Spacing              |  |  |  |
| -16.07    |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    |                                   |                             |  |  |  |
| 3         |       | PHYLLITE - Grey to brown laminated metamorphic rock.                                                      | MODERATELY WEATHERED<br>Grey brown, clayey, fissile and laminated. Bedding dips at 0°-5°. Open defects parallel bedding and have minor ironstaining. Some clayey highly weathered bands present. | 100                    |             | Brown clayey highly weathered band |                                   |                             |  |  |  |
| 4         |       |                                                                                                           |                                                                                                                                                                                                  | Highly weathered band  |             |                                    |                                   |                             |  |  |  |
| -17.87    |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    |                                   |                             |  |  |  |
| 5         |       |                                                                                                           | SLIGHTLY WEATHERED<br>Grey bedding dips at up to 70°. Defects have minor clayey coating and dip at <10° and 70°.                                                                                 | 100                    |             |                                    |                                   |                             |  |  |  |
| -18.68    |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    |                                   |                             |  |  |  |
| 6         |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    |                                   |                             |  |  |  |
| 7         |       |                                                                                                           | END OF HOLE                                                                                                                                                                                      |                        |             |                                    |                                   |                             |  |  |  |
| 8         |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    |                                   |                             |  |  |  |
| 9         |       |                                                                                                           |                                                                                                                                                                                                  |                        |             |                                    |                                   |                             |  |  |  |

REMARKS

GEOL.

ENGR.

APPR.

NOTE

FOR TERMS AND SYMBOLS REFER  
TEST METHOD Q 188 - 1980  
MATERIALS TESTING MANUAL

S.P.T.

Core Loss

WEATHERED  
CONDITIONExtremely  
WeatheredHighly  
WeatheredModerately  
WeatheredSlightly  
WeatheredWater  
Level

▽

