

## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Housing and Public Works 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 and author as follows: "*(c) State of Queensland (Department of Housing and Public Works) 2020, licensed under the CC BY 4.0 Licence, prepared by Arup*". This licence does not apply to logos 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://ggd.org.au/>

This log has been contributed to the Queensland Geotechnical Database with the permission of Arup.

PROJECT LANG PARK STADIUM REDEVELOPMENT

LOGGED BY PBF  
DATE/S 2.11.00

CONTRACTOR SP & KF CHRISTENSEN  
DRILL MODEL JACRO 350  
MOUNTING 4x4 TRUCK

ANGLE Vertical  
BEARING -  
DIAMETER 50/75/100mm

GROUND LEVEL -RL 6.5m  
LOCATION See Figure 2

| DRILLING                                 |      | STRATA |              | MATERIAL DESCRIPTION |  | CONDITION      |             | OBSERVATION |                              |              |     |    |    |    |    |  |  |  |          |
|--|------|--------|--------------|----------------------|--|----------------|-------------|-------------|------------------------------|--------------|-----|----|----|----|----|--|--|--|----------|
| SAMPLE, TEST, BIT, SUPPORT, ETC.         | R.L. | DEPTH  | GROUP SYMBOL | LEGEND               | SOIL TYPE<br>Colour, Plasticity, Grain Size, Minor Components            | WATER/MOISTURE | CONSISTENCY |             | SOIL ORIGIN, STRUCTURE, ETC. |              |     |    |    |    |    |  |  |  |          |
|  | AHD  | m      |              |                      |  |                | COHESIVE    |             |                              | NON COHESIVE |     |    |    |    |    |  |  |  |          |
|  |      |        |              |                      |  |                | VS          | SL          |                              | ST           | VST | VL | JM | LD | VD |  |  |  |          |
| Jar Sample                               |      | 1      |              |                      | ASPHALT Pavement 50mm<br>Road Base Gravel 350mm                          |                |             |             |                              |              |     |    |    |    |    |  |  |  | FILL     |
| SPT @ 1.5m<br>2/2/2<br>N=4<br>Jar Sample |      | 2      |              |                      | Gravelly/Silty CLAY, low plasticity, some steel fragments                |                |             |             |                              |              |     |    |    |    |    |  |  |  |          |
|  | 4.00 | 2.50   |              |                      | Continuing as unclean fill, some plastics, metal and glass               |                |             |             |                              |              |     |    |    |    |    |  |  |  |          |
| SPT @ 3.0m<br>1/2/3<br>N=5               |      | 3      |              |                      | CLAY/Silty CLAY: Dark grey/brown, high plasticity, trace fine gravel     |                |             |             |                              |              |     |    |    |    |    |  |  |  | RESIDUAL |
|  |      | 4      |              |                      | Grading to Gravelly CLAY   |                |             |             |                              |              |     |    |    |    |    |  |  |  |          |
| SPT @ 4.5m<br>9/17/30/105mm<br>N=Refusal | 2.20 | 4.30   |              |                      | XW PHYLLITE: Mottled blue grey and orange brown, definite rock structure |                |             |             |                              |              |     |    |    |    |    |  |  |  | XW ROCK  |
|  |      | 5      |              |                      | Hard drilling with roller bit  |                |             |             |                              |              |     |    |    |    |    |  |  |  |          |
|  | 0.50 | 6.00   |              |                      |  |                |             |             |                              |              |     |    |    |    |    |  |  |  |          |
|  |      | 7      |              |                      |  |                |             |             |                              |              |     |    |    |    |    |  |  |  |          |

NOTES

1) No groundwater encountered prior to washboring at 3.0m

JOB

12215

BOREHOLE/PIT BOREHOLE.GPJ ARUP\_AUS.gvt 11/01/01

PROJECT LANG PARK STADIUM REDEVELOPMENT

LOGGED BY PBF  
DATE/S 2.11.00

CONTRACTOR SP & KF CHRISTENSEN ANGLE Vertical  
DRILL MODEL JACRO 350 BEARING -  
MOUNTING 4x4 TRUCK DIAMETER 50/75/100mm

GROUND LEVEL -RL 6.5m  
LOCATION See Figure 2

| DRILLING             |       | STRATA        |      |       | MATERIAL DESCRIPTION |   |            |                         |   |    |                   |          |   |    |   | DISCONTINUITIES |      |   |
|----------------------|-------|---------------|------|-------|----------------------|---|------------|-------------------------|---|----|-------------------|----------|---|----|---|-----------------|------|---|
| CASING RUN, REC. (%) | WATER | SAMPLE TEST   | R.L. | DEPTH | LEGEND               | ROCK TYPE<br>Colour, Grain Size, Structure,<br>Minor Components         | WEATHERING | ESTIMATED ROCK STRENGTH |   |    | FREQUENCY (per m) | SPECIFIC |   |    | GENERAL DESCRIPTION<br>Planarity, Roughness,<br>Coating, Infill |                 |      |   |
|                      |       |               | AHD  | m     |                      |   |            | EL                      | M | EH |                   | 1        | 3 | 10 |   | 30              | TYPE | ANGLE   |
|                      |       |               |      | 1     |                      |   |            |                         |   |    |                   |          |   |    |   |                 |      |   |
|                      |       |               |      | 2     |                      |   |            |                         |   |    |                   |          |   |    |   |                 |      |   |
|                      |       |               |      | 3     |                      |   |            |                         |   |    |                   |          |   |    |   |                 |      |   |
|                      |       |               |      | 4     |                      |   |            |                         |   |    |                   |          |   |    |   |                 |      |   |
|                      |       |               |      | 5     |                      |   |            |                         |   |    |                   |          |   |    |   |                 |      |   |
|                      |       |               |      | 6     |                      |   |            |                         |   |    |                   |          |   |    |   |                 |      |   |
|                      |       | Is(50) = 2.73 |      | 7     |                      | PHYLLITE: Mottled orange brown and blue grey<br>crushed zone 6 to 6.21m | XW<br>DW   |                         |   |    |                   |          |   |    |   |                 |      | Crushed gravel seam<br>grey with XW rock fragments<br>light grey<br>Closed<br>XW quartz crushed<br>Quartz<br>Crushed weathered seam<br>staggered XW |
|                      |       |               |      | 8.00  |                      |   |            |                         |   |    |                   |          |   |    |   |                 |      |   |

NOTES

1) No groundwater encountered prior to washboring at 3.0m

TYPE OF DISCONTINUITY

Jo JOINT  
Be BEDDING PLANE PARTING  
Fo FOLIATION PARTING  
Cl CLAY SEAM  
We WEATHERED SEAM  
Cr CRUSHED SEAM  
Sh SHEARED ZONE  
Qr QUARTZ SEAM

JOB

12215

CORED BOREHOLE RECORD - ARUP\_AUS\_GUL\_11/01/01

PROJECT LANG PARK STADIUM REDEVELOPMENT

 LOGGED BY PBF  
DATE/S 2.11.00

 CONTRACTOR SP & KF CHRISTENSEN  
DRILL MODEL JACRO 350  
MOUNTING 4x4 TRUCK

 ANGLE Vertical  
BEARING -  
DIAMETER 50/75/100mm

 GROUND LEVEL ~RL 6.5m  
LOCATION See Figure 2

| DRILLING             |       | STRATA      |       | MATERIAL DESCRIPTION |        |   |            |                         |                   | DISCONTINUITIES |       |                     |
|----------------------|-------|-------------|-------|----------------------|--------|---|------------|-------------------------|-------------------|-----------------|-------|---------------------|
| CASING RUN, REC. (%) | WATER | SAMPLE TEST | R.L.  | DEPTH                | LEGEND | ROCK TYPE<br>Colour, Grain Size, Structure,<br>Minor Components | WEATHERING | ESTIMATED ROCK STRENGTH | FREQUENCY (per m) | SPECIFIC        |       | GENERAL DESCRIPTION |
|                      |       |             | AHD   | m                    |        |   |            |                         |                   | TYPE            | ANGLE |                     |
| 100%                 |       |             | -2.50 | 9.00                 |        | PHYLLITE: Mottled orange brown and blue grey                    |            |                         |                   |                 |       |                     |
|                      |       |             |       |                      |        |   |            |                         |                   |                 |       |                     |
|                      |       |             |       |                      |        | BH18 END  |            |                         |                   |                 |       |                     |
|                      |       |             |       | 10                   |        |   |            |                         |                   |                 |       |                     |
|                      |       |             |       | 11                   |        |   |            |                         |                   |                 |       |                     |
|                      |       |             |       | 12                   |        |   |            |                         |                   |                 |       |                     |
|                      |       |             |       | 13                   |        |   |            |                         |                   |                 |       |                     |
|                      |       |             |       | 14                   |        |   |            |                         |                   |                 |       |                     |
|                      |       |             |       | 15                   |        |   |            |                         |                   |                 |       |                     |

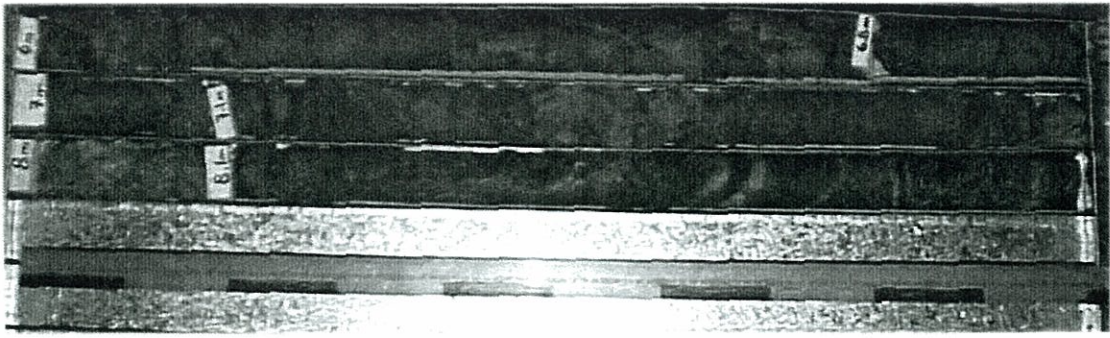
**NOTES**

1) No groundwater encountered prior to washboring at 3.0m

**TYPE OF DISCONTINUITY**

Jo JOINT  
 Be BEDDING PLANE PARTING  
 Fo FOLIATION PARTING  
 Cl CLAY SEAM  
 We WEATHERED SEAM  
 Cr CRUSHED SEAM  
 Sh SHEARED ZONE  
 Qr QUARTZ SEAM

**JOB**
**12215**



**Borehole 18**

**6m - 9m**

**Box 1 of 1**