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# CORED BOREHOLE RECORD

**BH-5**

SHEET **1**

OF **2**

PROJECT **BURNSIDE ROAD INTERCHANGE**

HOLE  
LOCATION See Figure 2  
GROUND LEVEL

CONTRACTOR **S & S McNae**      ANGLE **90**  
DRILL MODEL **Hydrapower Scout**      BEARING **--**  
MOUNTING **Truck**      SIZE **100**

LOGGED BY **DMS/PFW**  
DATE/S **21.3.89**

| DRILLING            |       | STRATA             |      | MATERIAL DESCRIPTION |        |   |            |                         |    |    |    |    |                         | DISCONTINUITIES |       |                |  |    |         |    |   |
|---------------------|-------|--------------------|------|----------------------|--------|---|------------|-------------------------|----|----|----|----|-------------------------|-----------------|-------|----------------|--|----|---------|----|---|
| CASING RUN REC. (%) | WATER | SAMPLE TEST        | R.L. | DEPTH                | LEGEND | ROCK TYPE<br>Colour, Grain Size, Structure, Minor Components  | WEATHERING | ESTIMATED ROCK STRENGTH |    |    |    |    | 30 TO FREQUENCY (per m) | SPECIFIC        |       |                | GENERAL DESCRIPTION<br>Planarity, Roughness, Coating, Infill |    |         |    |   |
|                     |       |                    | AHD  | m                    |        |   |            | EL                      | VL | XL | HL | SH |                         | TYPE            | ANGLE | THICKNESS (mm) |  |    |         |    |   |
|                     |       | N = 14<br>3, 4, 10 |      | 1                    |        | Sandy Gravelly CLAY: brown, low to medium plasticity, sand fine to medium, gravel fine to medium, angular   |            |                         |    |    |    |    |                         |                 |       |                |  |    | TOPSOIL |    |   |
|                     |       |                    |      | 2                    |        | SANDSTONE: brown & grey, fine to medium grained, contains thins beds & thick laminations of Siltstone & Claystone, and Coal or carbonaceous shale | EW         |                         |    |    |    |    |                         |                 |       |                |  | C1 | 0       | 30 | ROCK<br>Defects are mostly joints at 30° planar, smooth clay coated<br><br>Rare openings on foliation<br>2.0-2.5 core is highly fractured |
|                     |       |                    |      | 3                    |        | Rock mass foliation from 60° to 85°   |            |                         |    |    |    |    |                         |                 |       |                |  |    |         |    |   |
|                     |       |                    |      | 4                    |        |   |            |                         |    |    |    |    |                         |                 |       |                |  |    |         |    |   |
|                     |       |                    |      | 5                    |        |   |            |                         |    |    |    |    |                         |                 |       |                |  |    |         |    |   |
|                     |       |                    |      | 6                    |        |   |            |                         |    |    |    |    |                         |                 |       |                |  |    |         |    |   |
|                     |       |                    |      | 7                    |        |   |            |                         |    |    |    |    |                         |                 |       |                |  |    |         |    |   |
|                     |       |                    |      | 8                    |        |   |            | HW                      |    |    |    |    |                         |                 |       |                |  |    |         |    |   |

**NOTES**

- 7.15 Commence augering
- 7.50 Commence coring at 1.00 m
- 3.55 Complete coring at 10 m
- Core is variably weathered and fractured
- Compressible seams 2-7m about 20 - 30 mm/m

**TYPE OF DISCONTINUITY**

- Jo--JOINT
- Bp--BEDDING PLANE PARTING
- Fo--FOLIATION PARTING
- Ci--CLAY SEAM
- Ws--WEATHERED SEAM
- Cr--CRUSHED SEAM
- Sh--SHEARED ZONE

**FIGURE**

**JOB**

**5387**

# ARUP

## Geotechnics

# CORED BOREHOLE RECORD

**BH-5**

SHEET **2**

HOLE

OF **2**

PROJECT BURNSIDE ROAD INTERCHANGE

LOCATION See Figure 2  
GROUND LEVEL

CONTRACTOR S & S McNae ANGLE 90  
DRILL MODEL Hydrapower Scout BEARING --  
MOUNTING Truck SIZE 100

LOGGED BY DMS/PFW  
DATE/S 21/3/89

| DRILLING                |       |                | STRATA |       | MATERIAL DESCRIPTION |  |            |                               |                               |          | DISCONTINUITIES |   |                   |  |
|-------------------------|-------|----------------|--------|-------|----------------------|--|------------|-------------------------------|-------------------------------|----------|-----------------|---|-------------------|--|
| CASING<br>RUN, REC. (%) | WATER | SAMPLE<br>TEST | R.L.   | DEPTH | LEGEND               | ROCK TYPE<br>Colour, Grain Size, Structure, Minor Components | WEATHERING | ESTIMATED<br>ROCK<br>STRENGTH | JOINT<br>FREQUENCY<br>(per m) | SPECIFIC |                 | GENERAL DESCRIPTION<br>Planarity, Roughness,<br>Coating, Infill |                   |  |
|                         |       |                | AHD    | m     |                      |  |            |                               |                               | TYPE     | ANGLE           |   | THICKNESS<br>(mm) |  |
|                         |       |                |        | 8     |                      | SANDSTONE, SILTSTONE, CLAYSTONE,<br>as above                 | HW         |                               |                               |          | Cl              | 0   | 200               |  |
|                         |       |                |        | 9     |                      |  |            |                               |                               |          | Cl              | 0   | 300               |  |
|                         |       |                |        | 9.2   |                      | SANDSTONE: grey, medium grained                              | SW         |                               |                               |          |                 |   |                   |  |
|                         |       |                |        | 10    |                      |  |            |                               |                               |          | Jo              | 60  | 1                 |  |
|                         |       |                |        | 10.51 |                      |  |            |                               |                               |          |                 |   |                   |  |
|                         |       |                |        | 11    |                      |  |            |                               |                               |          |                 |   |                   |  |
|                         |       |                |        | 12    |                      |  |            |                               |                               |          |                 |   |                   |  |
|                         |       |                |        | 13    |                      |  |            |                               |                               |          |                 |   |                   |  |
|                         |       |                |        | 14    |                      |  |            |                               |                               |          |                 |   |                   |  |
|                         |       |                |        | 15    |                      |  |            |                               |                               |          |                 |   |                   |  |
|                         |       |                |        | 16    |                      |  |            |                               |                               |          |                 |   |                   |  |

NOTES

TYPE OF DISCONTINUITY  
 Jo-JOINT  
 Be-BEDDING PLANE PARTING  
 Fo-FOLIATION PARTING  
 Cl-CLAY SEAM  
 We-WEATHERED SEAM  
 Cr-CRUSHED SEAM  
 Sh-SHEARED ZONE

FIGURE

JOB

**5387**