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# TEST PIT LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

FEATURE No TP04  
SHEET 1 of 1  
DATE EXCAVATED 11/7/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C  
LOCATION Cut 3 COORDINATES 472993.3 E; 7089104.9 N  
PROJECT No FG5799 SURFACE R.L. 112.30 DATUM AHD SYSTEM MGA94 Zone 56  
JOB No 232/10A/2 EQUIPMENT TYPE AND MODEL JCB Backhoe BUCKET SIZE 450mm

| DEPTH (m) | R.L. (m) | METHOD | USC WEATHERING | SOIL DESCRIPTION                                                                                                                       | ADDITIONAL DATA AND TEST RESULTS                               | SAMPLE NUMBER | TEST REPORT |    |       |
|-----------|----------|--------|----------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------|-------------|----|-------|
|           |          |        |                | SOIL TYPE: Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components            |                                                                |               |             |    |       |
|           |          |        |                | ROCK DESCRIPTION                                                                                                                       |                                                                |               |             |    |       |
|           |          |        |                | ROCK SUBSTANCE: Type, colour, grain characteristics, weathering, strength, structure, inclusions                                       | 0                                                              | 4             | 8           | 12 | 16-20 |
| 0         | 112.30   | BUCKET |                |                                                                                                                                        |                                                                |               |             |    |       |
| 112.10    |          |        | ML             | TOPSOIL Brown to red, moist, firm, gravelly silt. Gravel sizes up to 30mm, trace organics.                                             |                                                                |               |             |    |       |
|           |          |        | GP-GC          | Clayey Sandy GRAVEL (Residual)<br>Light brown to red, dry, firm.                                                                       |                                                                |               |             |    |       |
| 111.40    |          |        |                |                                                                                                                                        | LL = 43; PI = 18;<br>LS = 11; MC = 14.4%;<br>WPI=473, WLS=286  | 11G0673       | 24907       |    |       |
| 1         |          |        | HW             | METASILTSTONE (HW)<br>When excavated exhibits the engineering properties of brown to grey, dry, very dense, well graded, sandy gravel. |                                                                |               |             |    |       |
| 110.70    |          |        |                |                                                                                                                                        | LL = 37; PI = 17;<br>LS = 10.6; MC = 13.6%;<br>WPI=100, WLS=63 | 11G0674       | 24908       |    |       |
| 2         |          |        |                | Excavation terminated at 1.6m                                                                                                          |                                                                |               |             |    |       |
| 3         |          |        |                |                                                                                                                                        |                                                                |               |             |    |       |
| 4         | 106.30   |        |                |                                                                                                                                        |                                                                |               |             |    |       |

Site before excavation



Test pit profile



Excavated material from 0.9-1.6m



REMARKS MC-Moisture Content, LL-Liquid Limit, PI-Plastic Index, LS-Linear Shrinkage, WPI=PI x % pass 0.425mm sieve, WLS=LS x % pass 0.425mm sieve, FSV-Field Shear Vane, PP<sub>100</sub>-Pocket Penetrometer, EC-Emerson Class Number

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