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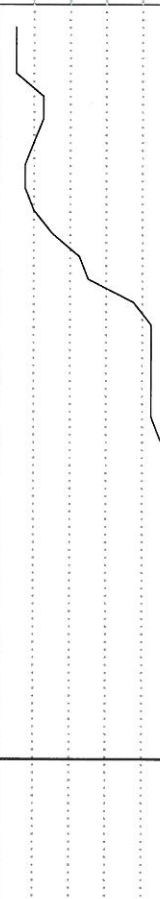
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# TEST PIT LOG

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

FEATURE No TP087  
SHEET 1 of 1  
DATE EXCAVATED 04/02/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation  
LOCATION Southern I/C, Embankment 1B COORDINATES 491352.9 E; 7076470.7 N  
PROJECT No FG5825 SURFACE R.L. 109.09 DATUM AHD SYSTEM MGA94  
JOB No 128/10A/901 EQUIPMENT TYPE AND MODEL Hitachi 5T Tracked Excavator BUCKET SIZE 450mm

| DEPTH (m) | R.L. (m) | METHOD | WEATHERING | SOIL DESCRIPTION  | DCP LOG   | ADDITIONAL DATA AND TEST RESULTS   | SAMPLE NUMBER | TEST REPORT |
|-----------|----------|--------|------------|---|---|--|---------------|-------------|
|           |          |        |            | SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components  |   |  |               |             |
| 0         | 109.09   |        |            | ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions   | (Blow Count / 100mm)<br>0 4 8 12 16 >20   |  |               |             |
|           | 108.84   |        | OL         | <b>Silty CLAY (Topsoil)</b><br>Dark brown, moist, soft to firm. Intermediate plasticity; occasional pale grey mottling; rootlets.   |  | FSV (Su) 123/38.<br><br>MC = 24%<br>FSV (Su) 87/73.<br>Seepage in east face 0.9 to 1.5m with moderate inflow and pit spalling. | A             | D Bulk      |
|           | 108.64   |        | CI         | <b>Silty CLAY (Residual Soil?)</b><br>Pale brown to pale grey with orange and brown mottling, moist, firm. Intermediate plasticity; trace fine angular gravels (<1%) and quartz.  |   |  |               |             |
| 1         |          |        | CI         | <b>Silty CLAY (Residual Soil)</b><br>Pale grey with red and orange brown mottling, moist, firm to stiff.<br><br>Intermediate plasticity; rootlets<br>From 1.2m: Becoming stiff to very stiff.   |   |  |               |             |
| 2         | 107.19   |        |            | <b>SILTSTONE (XW):</b><br>Generally exhibits the engineering properties of pale grey to cream with occasional red brown mottling, moist, hard, gravely CLAY with silt.<br><br>Gravel fraction comprises fine to coarse, subangular to angular HW rock fragments and quartz. |   | MC = 12.3%   | C             | D,Bulk      |
| 3         |          |        |            |   |   | MC = 16.4%   | D             | D,Bulk      |
|           | 105.79   |        |            | Excavation terminated at 3.3m   |   |  |               |             |
| 4         | 105.09   |        |            |   |   |  |               |             |

Testpit Profile



Excavated Material



REMARKS FSV= Field shear vane (Peak/residual);

LOGGED BY  
BJD