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**Queensland  
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## TEST PIT LOG

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

FEATURE No TP027

SHEET 1 of 1

DATE EXCAVATED 22/09/09

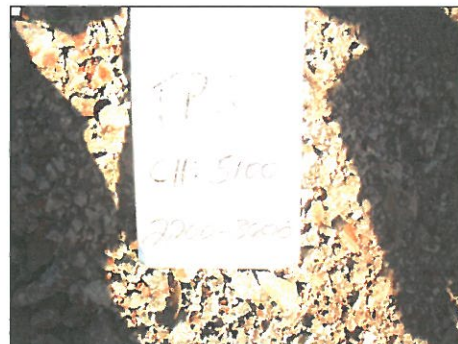
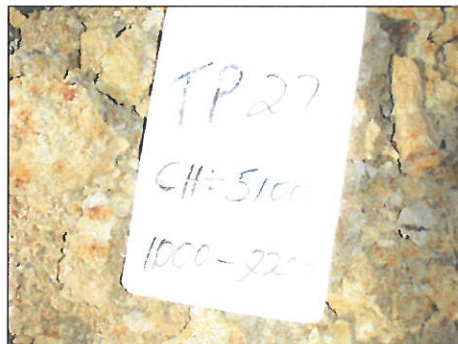
PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 7 COORDINATES 487935.2 E; 7080470.1 N

PROJECT No FG5825 SURFACE R.L. 122.16 DATUM AHD SYSTEM MGA94

JOB No 128/10A/901 EQUIPMENT TYPE AND MODEL JCB BACKHOE BUCKET SIZE 450mm

| DEPTH (m) | R.L. (m) | METHOD | USC WEATHERING | SOIL DESCRIPTION<br>SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components                                | VDCP LOG<br>(Cone Resistance)<br>VDCP20 (MPa)<br>0 4 8 12 16>20 | ADDITIONAL DATA<br>AND TEST RESULTS                                       | SAMPLE NUMBER | TEST REPORT |
|-----------|----------|--------|----------------|---|---|---|---------------|-------------|
|           |          |        |                | ROCK DESCRIPTION<br>ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions   |   |   |               |             |
| 0         | 122.16   | BUCKET | SC             | <b>Clayey SAND with some gravel</b><br>Yellowish brown, medium plasticity. Sand - fine grained. Gravel - fine grained, subangular, low strength, ironstone. Dry to moist, firm. |   | LL = 43; PI = 19;<br>LS = 13; MC = 15.6%;<br>WPI 1262                     | 09G1533       | 22252       |
|           | 121.76   |        | CI             | <b>Sandy CLAY</b><br>Grey-brown with orange Fe staining, medium plasticity. Sand - medium to coarse grained, quartz. Dry to moist, hard.  |   | LL = 39; PI = 17;<br>LS = 12.2; MC = 15.2%;<br>WPI 1204<br>PP(UCS) 407kPa | 09G1534       | 22222       |
| 1         | 121.16   |        | (CI-CH)        | <b>Silty CLAY</b><br>Pale grey with yellow, medium to high plasticity. Moist, hard, friable, fissured structure.  |   | PP(UCS) 493kPa<br>MC = 23.2%  | 09G1535       |             |
| 2         | 119.96   |        | (SC)           | <b>Clayey SAND</b><br>Grey with red Fe staining, medium plasticity. Moist, hard. Fe cemented zones.   |   | PP(UCS) >500kPa<br>MC = 17.3%<br>PP(UCS) >500kPa                          | 09G1536       |             |
| 3         | 118.76   |        |                | Excavation terminated at 3.4m   |   |   |               |             |
| 4         | 118.16   |        |                |   |   |   |               |             |



REMARKS Parentheses indicate visual classification only. PP = Pocket penetrometer

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