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|             |   |                   |                         |
|-------------|---|-------------------|-------------------------|
| CLIENT      | DMR                                       | LOGGED BY         | ACS                     |
| PROJECT     | IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA | CHECKED BY        | GWB                     |
|             |   | DRILLED DATE      | 18-Oct-07               |
| CONTRACTOR  | Terratest                                 | ANGLE             | Vertical                |
| DRILL MODEL | Edson 3000                                | BEARING           | -                       |
| DRILLER     | Brent Ormsby                              | HOLE DIAMETER     | 100mm ( )               |
|             |   | GROUND LEVEL      | RL 16.37m               |
|             |   | LOCATION          | 32592 E 151503 N        |
|             |   | ELEVATION DATUM   | Australian Height Datum |
|             |   | COORDINATE SYSTEM | Local Grid              |

| DRILLING                    | STRATA                           |      | GROUP SYMBOL | LEGEND | MATERIAL DESCRIPTION   | WATER / MOISTURE | CONDITION |             |    |   |    |              |    |                              | OBSERVATION |  |
|-----------------------------|----------------------------------|------|--------------|--------|--|------------------|-----------|-------------|----|---|----|--------------|----|------------------------------|-------------|--|
|                             | SAMPLE, TEST, BIT, SUPPORT, ETC. | R.L. |              |        |  |                  | DEPTH     | CONSISTENCY |    |   |    |              |    |                              |             |  |
|                             |                                  |      |              |        |  |                  |           | COHESIVE    |    |   |    | NON COHESIVE |    |                              |             |  |
|                             | m                                | m    | VS           | S      | LF   | ST               | VST       | H           | VL | L | MD | D            | VD | SOIL ORIGIN, STRUCTURE, ETC. |             |  |
|                             |                                  |      | SP           |        | SAND (SP) loose to medium dense, fine to medium grained, light grey becoming grey, with gravel fine to medium grained sub-rounded.                 |                  |           |             |    |   |    |              |    |                              | NONCO       |  |
| ← SPT at 0.8m<br>N 9;5,5    | 15.77                            | 0.60 | SC           |        | Clayey Gravelly SAND (SC) loose to medium dense, fine to medium grained, red-brown and grey, gravel fine to coarse grained angular to sub-angular. | D                |           |             |    |   |    |              |    |                              | FILL        |  |
|                             | 15.27                            | 1.10 | CL           |        | Sandy CLAY (CL) firm to stiff, mottled red-brown grey, sand fine to medium grained, with silt and ironstaining throughout.                         | D                |           |             |    |   |    |              |    |                              | COHES       |  |
|                             |                                  |      |              |        | ..... 3.15m - 3.30m dense sand fine to medium grained, grey and brown<br>..... 3.30 becoming very stiff  |                  |           |             |    |   |    |              |    |                              |             |  |
| ← SPT at 3.3m<br>N 8;14,16  |                                  |      |              |        |  |                  |           |             |    |   |    |              |    |                              |             |  |
|                             |                                  |      |              |        |  |                  |           |             |    |   |    |              |    |                              |             |  |
|                             |                                  |      |              |        |  |                  |           |             |    |   |    |              |    |                              |             |  |
|                             | 10.37                            | 6.00 | SC           |        | Clayey SAND (SC) dense, medium to coarse grained, grey, clay (CL).   |                  |           |             |    |   |    |              |    |                              | NONCO       |  |
| ← SPT at 6.3m<br>N 16;19,18 | 10.05                            | 6.32 | CI           |        | CLAY (CI) very stiff, grey, with silt.<br>..... 6.45 grey mottled brown, ironstained with ironstone nodules  |                  |           |             |    |   |    |              |    |                              | COHES       |  |
|                             |                                  |      |              |        |  |                  |           |             |    |   |    |              |    |                              |             |  |
| ← SPT at 7.8m<br>N 9;14,15  |                                  |      |              |        |  |                  |           |             |    |   |    |              |    |                              |             |  |
|                             |                                  |      |              |        |  |                  |           |             |    |   |    |              |    |                              |             |  |
|                             |                                  |      |              |        |  |                  |           |             |    |   |    |              |    |                              |             |  |

|       |  |     |       |
|-------|--|-----|-------|
| NOTES | Hole Diameter 100mm to 18.06m depth. (Solid Flight Augering to 3m. HW casing to 3.5m. Washboring using 100mm diameter tri-blade bit from 3m to 13.5m, 75mm diameter tri-blade bit from 13.5m to 18m. No free groundwater encountered during drilling.) | JOB | 86015 |
|-------|--|-----|-------|

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