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|--|---------------------------------|--|--------------------------------|---|------------------------|--------------------------------------|--|------------------------------------|---|--|
|  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |                                 |  |                                |   |                        |                                      | <b>Site</b><br>M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI-<br>CONTRACT 2   |                                    | <b>Borehole<br/>Number</b><br><b>CP1198</b> |  |
| <b>Boring Method</b><br>Cable Percussion   |                                 | <b>Casing Diameter</b><br>150mm cased to 2.20m |                                | <b>Ground Level (mOD)</b><br>160.70                           |                        | <b>Client</b><br>Highways Agency     |  | <b>Job<br/>Number</b><br>WAL060099 |   |  |
|  |                                 | <b>Location</b><br>444982 E 359136 N           |                                | <b>Dates</b><br>06/10/2006                                    |                        | <b>Engineer</b><br>Arup              |  | <b>Sheet</b><br>1/1                |   |  |
| <b>Depth<br/>(m)</b>   | <b>Sample / Tests</b>           | <b>Casing<br/>Depth<br/>(m)</b>                | <b>Water<br/>Depth<br/>(m)</b> | <b>Field Records</b>  | <b>Level<br/>(mOD)</b> | <b>Depth<br/>(m)<br/>(Thickness)</b> | <b>Description</b>   | <b>Legend</b>                      | <b>Water</b>                                |  |
| 0.20   | B101                            |  |                                | Groundwater was<br>not apparent during<br>boring(1) at 0.00m. | 160.40                 | (0.30)<br>0.30                       | Brown slightly clayey gravelly TOPSOIL. Gravel is<br>subangular to subrounded, fine to coarse of mudstone and<br>limestone with many rootlets.                           |                                    | √1  |  |
| 0.50   | B102                            |  |                                |   |                        |                                      |  |                                    |   |  |
| 1.00   | B103                            |  |                                |   |                        |                                      |  |                                    |   |  |
| 1.20-1.65  | U2                              |  |                                | 100 blows   |                        |                                      |  |                                    |   |  |
| 1.70   | D3                              |  |                                |   |                        |                                      | At 1.70m; mottled light brown.   |                                    |   |  |
| 2.20-2.65<br>2.20-2.65<br>2.20-2.70  | SPT N=22<br>D4<br>B5            | 2.20   | DRY                            | 2,3/6,5,6,5   |                        | (5.40)                               |  |                                    |   |  |
| 3.20-3.65  | U6                              |  |                                | 100 blows   |                        |                                      |  |                                    |   |  |
| 3.70   | D7                              |  |                                |   |                        |                                      | From 3.70m; sandy with gravel of carbonaceous<br>mudstone.   |                                    |   |  |
| 4.20-4.65<br>4.20-4.65<br>4.20-4.70  | SPT N=20<br>D8<br>B9            | 2.20   | DRY                            | 3,3/4,6,5,5   |                        |                                      |  |                                    |   |  |
| 5.20-5.65  | U10                             |  |                                | 100 blows   |                        |                                      |  |                                    |   |  |
| 5.70-6.14<br>5.70<br>5.70-6.13<br>5.70-6.20  | SPT 50/285<br>D11<br>D12<br>B13 | 2.20   | DRY                            | 5,5/6,10,14,20  | 155.00                 | 5.70                                 | Very stiff light grey mottled light brown slightly sandy to<br>sandy slightly gravelly CLAY. Gravel is subangular to<br>subrounded fine to coarse of sandstone. Possible |                                    |   |  |
|  |                                 |  |                                |   |                        | (1.40)                               |  |                                    |   |  |
| 7.10-7.13<br>7.10-7.30<br>7.30-7.32  | SPT 25'/30<br>50/0<br>B14       | 2.20   | DRY                            | 25/50<br>06/10/2006:DRY                                       | 153.60<br>153.40       | 7.10<br>(0.20)<br>7.30               | SANDSTONE. Recovered as light brown grey very clayey<br>sand with subangular to subrounded fine to coarse<br>fragments of slightly friable fine grey sandstone.          |                                    |   |  |
|  | SPT 50'/20                      | 2.20   | DRY                            | 06/10/2006:<br>50/<br>06/10/2006:                             |                        |                                      | Complete at 7.32m  |                                    |   |  |
| <b>Remarks</b>   |                                 |  |                                |   |                        |                                      | <b>Scale<br/>(approx)</b><br>1:50  | <b>Logged<br/>By</b><br>RMS        |   |  |
|  |                                 |  |                                |   |                        |                                      | <b>Figure No.</b>  |                                    |   |  |