

| British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL |                                 |  |     |   |                         |        | Site M1 WIDENING JUNCTION 21 TO 30 PRELIMINARY GI-<br>CONTRACT 2   |                                    | Borehole<br>Number<br>CP1220A |              |
|--|---------------------------------|--|-----|---|-------------------------|--------|--|------------------------------------|-------------------------------|--------------|
| Boring Method<br>Cable Percussion                              |                                 | Casing Diameter 150mm cased to 1.40m  Location 445375 E 365411 N |     |   | 99.50  Dates 30/01/2007 |        | Client Highways Agency Engineer Arup   | Job<br>Number<br>WAL06009<br>Sheet |                               |              |
|  |                                 |  |     |   |                         |        |  |                                    |                               | Depth<br>(m) |
| 0.20-1.20  | B1                              |  | . , | Groundwater was not apparent during boring(1) at 0.00m. | (8                      | (1.40) | Topsoil over MADE GROUND. Soft to firm light grey brown very gravelly clay. Gravel is subangular to subrounded fine to coarse of sandstone and siltstone with occasional traces of organic matter. |                                    | <b>∇</b> 1                    |              |
| 1.20-1.65  | U2<br>D3                        |  |     | 81 blows  | 98.10                   | 1.40   | MADE GROUND. Firm to stiff grey slightly gravelly to gravelly clay. Gravel is subangular to subrounded fine to coarse of mudstone with pockets of light brown gravelly clay.                       |                                    |                               |              |
| 2.20-2.65<br>2.20-2.65<br>2.20-2.70                            | SPT N=13<br>D4<br>B5            | 1.40   | DRY | 2,2/3,4,3,3   |                         | (2.80) | From 2.20m; with organic matter.   |                                    |                               |              |
| 3.20-3.65  | U6                              |  |     | 40 blows  |                         |        |  |                                    |                               |              |
| 3.70   | D7                              |  |     |   |                         |        | From 3.70m; gravel of coal.  |                                    |                               |              |
| 1.20-4.36<br>1.20-4.43<br>1.20-4.60                            | SPT 26*/95<br>50/60<br>D8<br>B9 | 1.40   | DRY | 15,11/50<br>30/01/2007:DRY                              | 95.30<br>94.90          | (0.40) | MADE GROUND. Recovered as gravel sized fragments of moderately weak to moderately strong grey siltstone.  Possible boulder in open cast backfill.  |                                    |                               |              |
| 4.60-4.62  | SPT(C) 25*/20<br>50/0           | 1.40   | DRY | 30/01/2007:<br>25/50                                    |                         |        | Complete at 4.62m  |                                    |                               |              |
|  |                                 | (6)  |     |   |                         |        | (BGS)  |                                    |                               |              |
| (5)  |                                 |  |     |   |                         |        |  | (×                                 | 3                             |              |
| Remarks  |                                 |  |     |   |                         |        | Scale (approx)   | Logge<br>By                        | d                             |              |
|  |                                 |  |     |   |                         |        | 1:50   | RMS                                |                               |              |
|  |                                 |  |     |   |                         |        | Figure   | No.                                |                               |              |