



SK45NE 158

| Holst Soil Engineering Limited  |        |                             |                     |                |                                     |                |          |                      |    |
|---|--------|-----------------------------|---------------------|----------------|-------------------------------------|----------------|----------|----------------------|----|
| PARKSIDE LANE<br>LEEDS LS1158X.   |        |                             |                     |                |                                     |                |          |                      |    |
| Contract No. SI 1034/F2398  |        | Borehole No. 70             |                     |                |                                     |                |          |                      |    |
| Location Sutton in Ashfield   |        | Ground Level 129.7 m A.O.D. |                     |                |                                     |                |          |                      |    |
| Client East Midlands Electricity Board  |        | Date 4665                   |                     |                |                                     |                |          |                      |    |
| BOREHOLE LOG 5836   |        |                             |                     |                |                                     |                |          |                      |    |
| STRATA  | Legend | Depth below Ground Level    | Thickness of Strata | Type of Sample | c<br>kN/sq.m                        | $\phi$<br>deg. | m.c<br>% | $\gamma$<br>kg/cu.m. | N  |
| TOP SOIL  |        | 0.20                        | 0.20                |                |                                     |                |          |                      |    |
| Firm brown and grey mottled shaley CLAY   |        |                             |                     | 0.45<br>□      | 55                                  | 0              | 28.2     | 1935                 |    |
|   |        |                             |                     | 1.60<br>□      | 55                                  | 5              | 13.0     | 1850                 |    |
| Highly weathered grey/brown MUDSTONE  |        | 2.70                        | 2.50                |                |                                     |                |          |                      |    |
|   |        |                             |                     | 3.00<br>I      |                                     |                |          |                      | 39 |
|   |        |                             |                     | 4.10<br>I      |                                     |                |          |                      | 54 |
|   |        | 4.55                        | 1.85                |                |                                     |                |          |                      |    |
| Water Struck at None Encountered Maximum Observed Water Level                               |        |                             |                     |                |                                     |                |          |                      |    |
| Undisturbed Sample □  |        |                             |                     |                | c = Cohesion                        |                |          |                      |    |
| Disturbed Sample ○  |        |                             |                     |                | $\phi$ = Angle of Internal Friction |                |          |                      |    |
| Water Sample ▲  |        |                             |                     |                | m.c = Moisture Content              |                |          |                      |    |
| Penetration Test I  |        |                             |                     |                | $\gamma$ = Bulk Density             |                |          |                      |    |
|   |        |                             |                     |                | N = Standard Penetration Value      |                |          |                      |    |
| Water levels are subject to seasonal or tidal variation and should not be taken as constant |        |                             |                     |                |                                     |                |          |                      |    |

