### Trial Pit Log

**Client:** SOUTHSIDE & CITY DEVELOPMENTS LIMITED  
**Site:** VAUXHALL MOTORS, LUTON  
**Start Date:** 14 April 2005  
**End Date:** 14 April 2005

<table>
<thead>
<tr>
<th>water record</th>
<th>sample/test</th>
<th>depth (m)</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td></td>
<td>1.90</td>
<td>MADE GROUND: Tarmacadam (0.10m) over Brown sand and angular to rounded fine to coarse gravel and cobbles of varying lithologies including brick, concrete, flint and rare metal fragments.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.10</td>
<td>Structureless CHALK composed of silty subangular GRAVEL and COBBLES. Clasts are moderately weak, probably low and medium density, white with occasional orange-brown staining. Matrix is off-white and white. (Grade Dc).</td>
</tr>
</tbody>
</table>

**Notes:**  
Trial pit excavated by JCB 3CX mechanical excavator.  
Groundwater not encountered.  
Trial pit sides remained stable and vertical.  
Trial pit dimensions 1.90x0.60x2.10m.  
On completion, the trial pit was backfilled with materials arising.  
Soakaway test carried out in trial pit.

**Sketch of Foundation - Not to scale. All dimensions in metres.**

---

**Geotechnical Engineering Limited**

**Geotechnical Engineering Ltd, Tel. 01452 527743**

**CLIENT:**  
**SITE:**  
**Start Date:**  
**End Date:**  
**Geotechnical Engineering Limited**

**Sheet 1 of 1**

**Scale:** 1:25
Trial pit excavated by JCB 3CX mechanical excavator.
Groundwater not encountered.
Trial pit sides remained stable and vertical.
Trial pit dimensions 2.20x0.60x2.40m.
On completion, the trial pit was backfilled with materials arising.
Soakaway test carried out in trial pit.
**TRIAL PIT LOG**

**CLIENT**  
SOUTHSIDE & CITY DEVELOPMENTS LIMITED

**SITE**  
VAUXHALL MOTORS, LUTON

**Start Date**  
13 April 2005

**End Date**  
13 April 2005

---

<table>
<thead>
<tr>
<th>water record</th>
<th>sample/test</th>
<th>description</th>
<th>depth (m)</th>
<th>level (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>MADE GROUND: Tarmacadam (0.10m) over off-white clay with much gravel of chalk and occasional bricks and brick fragments</td>
<td>0.30</td>
<td>128.80</td>
</tr>
<tr>
<td>Dry</td>
<td></td>
<td>Firm brown CLAY with some subangular to subrounded fine to coarse flint gravel. (Possibly reworked?)</td>
<td>0.80</td>
<td>128.30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Structureless CHALK composed of silty subangular GRAVEL and COBBLES. Clasts are moderately weak, probably low and medium density, white with occasional orange-brown staining. Matrix is off-white and white. (Grade Dc).</td>
<td>2.10</td>
<td>127.00</td>
</tr>
</tbody>
</table>

---

Trial pit excavated by JCB 3CX mechanical excavator.
Groundwater not encountered.
Trial pit sides remained stable and vertical.
Trial pit dimensions 1.20x0.60x2.10m.
On completion, the trial pit was backfilled with materials arising.
Soakaway test carried out in trial pit.
<table>
<thead>
<tr>
<th>water record</th>
<th>sample/test</th>
<th>depth (m)</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0.25</td>
<td>MADE GROUND: Tarmacadam (0.10m) over red-brown sandy angular gravel (type 1 aggregate).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.30</td>
<td>MADE GROUND: Brown sand and angular to rounded fine to coarse gravel and cobbles of varying lithologies including brick, concrete, flint and rare metal fragments.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.50</td>
<td>MADE GROUND: Black sand and gravel size fragments of ash.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.00</td>
<td>Firm brown CLAY with some subangular to subrounded fine to coarse flint gravel.</td>
</tr>
<tr>
<td>Dry</td>
<td></td>
<td>2.40</td>
<td>Structureless CHALK composed of silty subangular GRAVEL and COBBLES. Clasts are moderately weak, probably low and medium density, white with occasional orange-brown staining. Matrix is off-white and white. (Grade Dc).</td>
</tr>
</tbody>
</table>

Trial pit completed at 2.40m.

Notes

Trial pit excavated by JCB 3CX mechanical excavator.
Groundwater not encountered.
Trial pit sides remained stable and vertical.
Trial pit dimensions 1.80x0.60x2.40m.
On completion, the trial pit was backfilled with materials arising.
Soakaway test carried out in trial pit.

Sketch of Foundation - Not to scale. All dimensions in metres.