**Project:** Land South of Green Lane  
**Project ID:** 773578  
**Location:** Horsford, Norfolk  
**Client:** Barratt Homes (Eastern Counties)  
**Engineer:** L. Liness  

**Method:** TP  
**Start:** 22/04/2016  
**Finish:** 22/04/2016  

**Level (mOD):** 35.69  
**Co-ordinates:** 618990.66E - 317317.13N  
**Logged by:** W.F.  

**Sheet 1 of 1**  

### INSITU TEST/SAMPLING

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref</th>
<th>Strength (kPa)</th>
<th>Level (mOD)</th>
<th>Depth (m)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Frequent rootlets.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.10</td>
<td>ES2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOPSOIL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.40</td>
<td>ES3</td>
<td></td>
<td>35.31</td>
<td>0.38</td>
<td></td>
<td>Orange brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Occasional recently active rootlets.</td>
<td>0.38</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>34.79</td>
<td>0.90</td>
<td></td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td>0.52</td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>D1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yellow brown gravelly becoming slightly gravelly with depth fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert. Buff and light grey fine to coarse sand horizons from 1.5m. Very thinly bedded from 1.5m.</td>
<td>2.50</td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>B1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**  
Shear strengths recorded using Pilcon Hand Shear Vane  

**Remarks:**  
1. Groundwater seepage at 3.40m bgl.  
2. Pit terminated at 3.40m due to instability.

**Dimensions:**  

**Stability:** Unstable from 0.8-3.4m  
**Plant Used:** Mechanical Excavator
### Project: Land South of Green Lane
- Location: Horsford, Norfolk
- Client: Barratt Homes (Eastern Counties)
- Engineer: L. Liness

### Method: TP
- Start: 21/04/2016
- Finish: 21/04/2016
- Level (mOD): 35.58
- Co-ordinates: 619010.55E - 317382.15N

#### Notes:
- Shear strengths recorded using Pilcon Hand Shear Vane
- Remarks:
  1. Groundwater not encountered.
  2. Pit terminated at 2.60m due to instability.

### INSITU TEST/SAMPLING

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref</th>
<th>Strength Shear (kPa)</th>
<th>Level (m AOD)</th>
<th>Depth (m)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td>0.38</td>
<td></td>
<td></td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Frequent rootlets.</td>
<td>0.38</td>
<td></td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td>0.38</td>
<td></td>
<td></td>
<td>Orange brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to rounded chert. Occasional recently active rootlets.</td>
<td>0.32</td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td>B1</td>
<td></td>
<td>2.60</td>
<td></td>
<td></td>
<td>Yellow brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert and quartzite. Buff and light grey fine to coarse sand horizons from 2.5m.</td>
<td>1.90</td>
<td></td>
</tr>
</tbody>
</table>

#### Remarks
- Stability: Unstable from 0.4-2.6m
- Plant Used: Mechanical Excavator
- Dimensions: m x m
Notes:
Shear strengths recorded using Pilcon Hand Shear Vane

Remarks
1. Groundwater not encountered.
2. Pit terminated at 3.00m due to instability.
### Notes:
Shear strengths recorded using Pilcon Hand Shear Vane

### Remarks
1. Groundwater not encountered.
2. Pit terminated at 3.40m due to instability.

### Dimensions:
- Stability: Unstable from 0.4-3.4m
- Plant Used: Mechanical Excavator

### STRATA

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref</th>
<th>Strength (kPa)</th>
<th>Level (m aOD)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td>35.89</td>
<td>0.35</td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Frequent rootlets.</td>
<td>TOPSOIL</td>
<td>0.35</td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td>35.44</td>
<td>0.80</td>
<td>Light brown silty gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert.</td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td>0.45</td>
</tr>
<tr>
<td>2.50</td>
<td>B1</td>
<td></td>
<td></td>
<td></td>
<td>Yellow brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert. Very thinly bedded from 1.0m to 2.0m. Very gravelly band at 1.2m to 1.4m. Buff and light grey fine to coarse sand horizons from 1.5m. Occasional brown silty very weakly cemented fine to coarse sand pockets from 1.5m. Becoming slightly gravelly from 3.0m.</td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td>2.60</td>
</tr>
</tbody>
</table>
Project: Land South of Green Lane
Project ID: 773578
Location: Horsford, Norfolk
Client: Barratt Homes (Eastern Counties)
Project Engineer: L. Liness

Method: TP
Start: 22/04/2016
Finish: 22/04/2016
Level (mOD): 36.24
Co-ordinates: 618861.92E - 317300.28N
Logged by: W.F.

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref.</th>
<th>Strength Shear (kPa)</th>
<th>Level (mAOD)</th>
<th>Depth (m)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td></td>
<td>0.35</td>
<td>TP08</td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Frequent rootlets.</td>
<td>0.35</td>
<td>0.10 ES1</td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td>35.34</td>
<td>0.90</td>
<td></td>
<td>Light brown silty slightly gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. GLACIOFLUVIAL DEPOSITS</td>
<td>0.55</td>
<td></td>
</tr>
<tr>
<td>1.20</td>
<td>B1</td>
<td></td>
<td>34.64</td>
<td>1.60</td>
<td></td>
<td>Light brown and light grey silty gravelly fine to medium SAND with brown sandy clay pockets. Gravel is fine to coarse angular to rounded chert. GLACIOFLUVIAL DEPOSITS</td>
<td>0.70</td>
<td></td>
</tr>
<tr>
<td>3.00</td>
<td>D1</td>
<td></td>
<td>33.24</td>
<td>&gt; 3.00</td>
<td></td>
<td>Yellow brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to rounded chert. Buff and light grey fine to coarse sand horizons from 2.2m. GLACIOFLUVIAL DEPOSITS</td>
<td>1.40</td>
<td>3.00 D1</td>
</tr>
</tbody>
</table>

Notes:
Shear strengths recorded using Pilcon Hand Shear Vane

Remarks
1. Groundwater not encountered.
2. Pit terminated at 3.00m due to instability.

Dimensions:

Stability: Unstable from 1.5-3.0m
Plant Used: Mechanical Excavator
**Notes:**
Shear strengths recorded using Pilcon Hand Shear Vane

**Remarks**
1. Groundwater not encountered.
2. Soakaway test undertaken. See separate results sheet.

**Dimensions:**
- 0.40m
- 1.60m

**Stability:** Stable
**Plant Used:** Mechanical Excavator
**Project:** Land South of Green Lane  
**Location:** Horsford, Norfolk  
**Client:** Barratt Homes (Eastern Counties)  
**Project Engineer:** L. Liness  

**Method:** TP  
**Start:** 20/04/2016  
**Finish:** 20/04/2016  
**Level (mOD):** 36.25  
**Co-ordinates:** 618949.31E - 317475.12N  

---

### Insitu Test/Sampling

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref</th>
<th>Strength Shear (kPa)</th>
<th>Level (m AOD)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td>35.88</td>
<td>0.37</td>
<td>Dark brown silty slightly gravelly fine to medium SAND. Gravel is fine to coarse angular to rounded chert. Frequent rootlets.</td>
<td>TOPSOIL</td>
<td></td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td>35.55</td>
<td>0.70</td>
<td>Dark orange brown silty slightly gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert.</td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td>0.33</td>
</tr>
<tr>
<td>0.70</td>
<td>B1</td>
<td></td>
<td>35.25</td>
<td>1.00</td>
<td>Orange brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert.</td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td>0.30</td>
</tr>
<tr>
<td>1.00</td>
<td>B2</td>
<td></td>
<td>34.75</td>
<td>1.50</td>
<td>Yellow brown slightly gravelly fine to coarse SAND. Gravel is fine to coarse angular to rounded chert.</td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td>0.50</td>
</tr>
</tbody>
</table>

**Notes:**  
Shear strengths recorded using Pilcon Hand Shear Vane  

**Remarks:**  
1. Groundwater not encountered.  
2. Soakaway test undertaken. See separate results sheet.

**Dimensions:**  
0.40m  
1.70m  

**Stability:** Unstable from 1.4m  
**Plant Used:** Mechanical Excavator
**Project:** Land South of Green Lane  
**Project ID:** 773578  
**Location:** Horsford, Norfolk

**Client:** Barratt Homes (Eastern Counties)  
**Project Engineer:** L. Liness

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref.</th>
<th>Strength (kPa)</th>
<th>Level (m AOD)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td>36.29</td>
<td></td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Frequent rootlets.</td>
<td>0.35</td>
<td></td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td></td>
<td></td>
<td>Yellow brown and orange brown slightly gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-angular chert.</td>
<td>0.65</td>
<td></td>
</tr>
<tr>
<td>1.10</td>
<td>B1</td>
<td></td>
<td>35.64</td>
<td></td>
<td>Orange brown gravelly medium to coarse SAND. Gravel is fine to coarse angular to sub-angular chert.</td>
<td>0.40</td>
<td></td>
</tr>
<tr>
<td>3.20</td>
<td>ES2</td>
<td></td>
<td></td>
<td></td>
<td>Yellow brown, orange brown and light grey slightly gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert.</td>
<td>1.60</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**  
Shear strengths recorded using Pilcon Hand Shear Vane

**Remarks:**  
1. Groundwater not encountered.  
2. Pit terminated at 3.20m due to instability.

**Dimensions:**  
Stability: Unstable from 0.7-3.2m  
Plant Used: Mechanical Excavator
### Project Information
- **Project:** Land South of Green Lane
- **Project ID:** 773578
- **Location:** Horsford, Norfolk
- **Client:** Barratt Homes (Eastern Counties)
- **Project Engineer:** L. Liness

### Method Information
- **Method:** TP
- **Start:** 20/04/2016
- **Finish:** 20/04/2016
- **Level (mOD):** 36.78
- **Co-ordinates:** 618783.86E - 317400.17N
- **Logged by:** W.F.
- **Sheet:** 1
- **Logged on:** 20/04/2016

### INSITU TEST/SAMPLING

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref.</th>
<th>Strength Shear (kPa)</th>
<th>Level (mOD)</th>
<th>Depth (m)</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td>36.43</td>
<td>0.35</td>
<td>Dark brown, silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Frequent rootlets. TOPSOIL</td>
<td>0.35</td>
<td></td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td>36.18</td>
<td>0.60</td>
<td>Dark orange brown, silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. GLACIOFLUVIAL DEPOSITS</td>
<td>0.25</td>
<td></td>
</tr>
<tr>
<td>0.90</td>
<td>B1</td>
<td></td>
<td></td>
<td></td>
<td>Yellow brown, light grey and orange brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert. Rare sub-angular to rounded chert cobbles. Firm grey brown very sandy clay lense at 2.9m to 3.0m. Occasional dark orange brown very weakly cemented sand pockets from 3.0m. GLACIOFLUVIAL DEPOSITS</td>
<td>2.50</td>
<td></td>
</tr>
<tr>
<td>3.00</td>
<td>B2</td>
<td></td>
<td>33.68</td>
<td>3.10</td>
<td>End of trial pit at 3.10m</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
Shear strengths recorded using Pilcon Hand Shear Vane

### Remarks:
1. Groundwater not encountered.
2. Pit terminated at 3.10m due to instability.

### Definitions:
- **Legend:**
  - Dark brown, silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert.
  - Yellow brown, light grey and orange brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert. Rare sub-angular to rounded chert cobbles. Firm grey brown very sandy clay lense at 2.9m to 3.0m. Occasional dark orange brown very weakly cemented sand pockets from 3.0m.

### Dimensions:
- **Stability:** Unstable from 0.6-3.1m
- **Plant Used:** Mechanical Excavator
**INSITU TEST/SAMPLING**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref</th>
<th>Strength Shear (kPa)</th>
<th>Level (mOD)</th>
<th>Depth (m)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
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<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td>36.69</td>
<td>0.37</td>
<td></td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Occasional recently active rootlets. TOPSOIL</td>
<td>0.37</td>
<td></td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td>36.36</td>
<td>0.70</td>
<td></td>
<td>Orange brown silty slightly gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Occasional decayed rootlets. GLACIOFLUVIAL DEPOSITS</td>
<td>0.33</td>
<td></td>
</tr>
<tr>
<td>1.50</td>
<td>B1</td>
<td></td>
<td>35.56</td>
<td>1.50</td>
<td></td>
<td>Orange brown slightly silty gravelly fine to coarse SAND with occasional very weakly cemented sand pockets. Gravel is fine to coarse angular to sub-rounded chert. GLACIOFLUVIAL DEPOSITS</td>
<td>0.80</td>
<td></td>
</tr>
<tr>
<td>2.00</td>
<td></td>
<td></td>
<td>34.16</td>
<td>2.00</td>
<td></td>
<td>Yellow brown slightly gravelly fine to coarse SAND. Gravel is fine to coarse angular to rounded chert. Buff medium to coarse sand lenses from 2.0m. GLACIOFLUVIAL DEPOSITS</td>
<td>1.40</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Shear strengths recorded using Pilcon Hand Shear Vane
- **Remarks**
  - 1. Groundwater not encountered.
  - 2. Pit terminated at 2.90m due to instability.
  - Stability: Unstable from 1.0-2.9m
  - **Plant Used:** Mechanical Excavator

**Dimensions:**
- m
- m
### IN-SITU TEST/SAMPLING

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref.</th>
<th>Strength (kPa)</th>
<th>Level (mOD)</th>
<th>Description of Strata</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td>36.56</td>
<td>0.37</td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Occasional recently active rootlets. TOPSOIL</td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td>36.56</td>
<td>0.70</td>
<td>Light brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. GLACIOFLUVIAL DEPOSITS</td>
</tr>
<tr>
<td>1.00</td>
<td>B1</td>
<td>34.06</td>
<td>3.20</td>
<td>Yellow brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert. Occasional clayey sand pockets from 2.2m. Buff and light grey fine to coarse sand horizons from 2.5m. GLACIOFLUVIAL DEPOSITS</td>
</tr>
</tbody>
</table>

#### Notes:
- Shear strengths recorded using Pilcon Hand Shear Vane

#### Remarks:
1. Groundwater not encountered.
2. Pit terminated at 3.20m due to instability.

#### Dimensions:

Stability: Unstable from GL-3.2m

Plant Used: Mechanical Excavator
**Project:** Land South of Green Lane  
**Project ID:** 773578  
**Location:** Horsford, Norfolk  
**Client:** Barratt Homes (Eastern Counties)  
**Project Engineer:** L. Liness

<table>
<thead>
<tr>
<th>Method:</th>
<th>TP</th>
<th>1:25</th>
</tr>
</thead>
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<tr>
<td>Start:</td>
<td>21/04/2016</td>
<td></td>
</tr>
<tr>
<td>Finish:</td>
<td>21/04/2016</td>
<td></td>
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<tr>
<td>Level (mOD):</td>
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<td></td>
</tr>
<tr>
<td>Co-ordinates:</td>
<td>618750.97E - 317481.74N</td>
<td></td>
</tr>
<tr>
<td>Logged by:</td>
<td>W.F.</td>
<td></td>
</tr>
</tbody>
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**INSITU TEST/SAMPLING**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample</th>
<th>Ref.</th>
<th>Strength (kPa)</th>
<th>Level (mOD)</th>
<th>Depth (m)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td></td>
<td>36.19</td>
<td>0.35</td>
<td></td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert with rare gravel size fragments of brick. Frequent rootlets. TOPSOIL</td>
<td>0.35</td>
<td></td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td></td>
<td>35.84</td>
<td>0.70</td>
<td></td>
<td>Light brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. GLACIOFLUVIAL DEPOSITS</td>
<td>0.35</td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>B1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yellow brown slightly gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Rare sub-angular chert cobbles. Buff and light grey fine to coarse sand horizons from 1.6m. GLACIOFLUVIAL DEPOSITS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.60</td>
<td>D1</td>
<td></td>
<td></td>
<td>32.94</td>
<td>3.60</td>
<td></td>
<td></td>
<td>2.90</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
Shear strengths recorded using Pilcon Hand Shear Vane

**Remarks:**
1. Groundwater not encountered.
2. Pit terminated at 3.60m due to instability.

**Dimensions:**

<table>
<thead>
<tr>
<th>Stability: Unstable from 0.5-3.6m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Used: Mechanical Excavator</td>
</tr>
</tbody>
</table>

End of trial pit at 3.60 m
**IN-SITU TEST/SAMPLING**

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref</th>
<th>Strength Shear (kPa)</th>
<th>Level (m AOD)</th>
<th>Depth (m)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td>36.49</td>
<td>0.40</td>
<td></td>
<td></td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Occasional recently active rootlets.</td>
<td>TOPSOIL</td>
<td>0.40</td>
</tr>
<tr>
<td>0.50</td>
<td>ES2</td>
<td>35.09</td>
<td>0.40</td>
<td></td>
<td></td>
<td>Yellow brown and orange brown silty gravelly fine to coarse SAND. Gravel is fine to coarse angular to rounded chert. Occasional slightly clayey silty sand lenses from 0.9m.</td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td>1.40</td>
</tr>
<tr>
<td>1.00</td>
<td>B1</td>
<td>35.09</td>
<td>1.60</td>
<td></td>
<td></td>
<td>Yellow brown slightly gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert.</td>
<td>GLACIOFLUVIAL DEPOSITS</td>
<td>0.20</td>
</tr>
<tr>
<td>1.90</td>
<td>B2</td>
<td>34.89</td>
<td>2.00</td>
<td></td>
<td></td>
<td>End of trial pit at 2.00 m</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
Shear strengths recorded using Pilcon Hand Shear Vane

**Remarks:**
1. Groundwater not encountered.
2. Soakaway test undertaken. See separate results sheet.

**Dimensions:**

- **0.40m**
- **1.60m**

**Stability:** Stable
**Plant Used:** Mechanical Excavator
<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref</th>
<th>Strength Shear (kPa)</th>
<th>Level (m AOD)</th>
<th>Legend</th>
<th>Description of Strata</th>
<th>Thickness (m)</th>
<th>Water (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td>36.70</td>
<td>0.35</td>
<td></td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Occasional recently active rootlets. TOPSOIL</td>
<td>0.35</td>
<td></td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td>36.45</td>
<td>0.60</td>
<td></td>
<td>Light brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Occasional recently active rootlets. GLACIOFLUVIAL DEPOSITS</td>
<td>0.25</td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>B1</td>
<td></td>
<td></td>
<td></td>
<td>Buff fine to medium SAND with occasional brown slightly clayey silty pockets. Dark orange brown weathered sand horizon at 2.0m to 2.2m. GLACIOFLUVIAL DEPOSITS</td>
<td>1.60</td>
<td></td>
</tr>
<tr>
<td>2.30</td>
<td>B2</td>
<td>34.85</td>
<td>2.00</td>
<td></td>
<td>Light brown, light grey and dark orange brown clayey silty fine to medium SAND. GLACIOFLUVIAL DEPOSITS</td>
<td>0.70</td>
<td></td>
</tr>
<tr>
<td>3.60</td>
<td>D1</td>
<td>33.35</td>
<td>3.70</td>
<td></td>
<td>Yellow and buff fine to medium SAND. Gravelly with fine to coarse angular to sub-rounded chert from 3.5m. GLACIOFLUVIAL DEPOSITS</td>
<td>0.60</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
Shear strengths recorded using Pilcon Hand Shear Vane
Remarks
1. Groundwater not encountered.
Dimensions:
- Stability: Unstable from 0.5-3.7m
- Plant Used: Mechanical Excavator
**Project:** Land South of Green Lane  
**Project ID:** 773578  
**Location:** Horsford, Norfolk  
**Client:** Barratt Homes (Eastern Counties)  
**Project Engineer:** L. Liness

**Method:** TP  
**Start:** 21/04/2016  
**Finish:** 21/04/2016  
**Level (mOD):** 36.34  
**Co-ordinates:** 618708.16E - 317513.06N  
**Logged by:** W.F.

---

### INSITU TEST/SAMPLING

<table>
<thead>
<tr>
<th>Depth (m)</th>
<th>Sample Ref</th>
<th>Strength (kPa)</th>
<th>Level (mOAD)</th>
<th>Depth (m)</th>
<th>Description of Strata</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10</td>
<td>ES1</td>
<td></td>
<td>35.96</td>
<td>0.38</td>
<td>Dark brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. Frequent rootlets.</td>
</tr>
<tr>
<td>0.40</td>
<td>ES2</td>
<td></td>
<td>35.64</td>
<td>0.70</td>
<td>Dark orange brown silty gravelly fine to medium SAND. Gravel is fine to coarse angular to sub-rounded chert. GLACIOFLUVIAL DEPOSITS</td>
</tr>
<tr>
<td>1.50</td>
<td>B1.5</td>
<td></td>
<td></td>
<td></td>
<td>Orange brown gravelly fine to coarse SAND. Gravel is fine to coarse angular to sub-rounded chert. Yellow and buff fine to coarse sand horizons from 2.0m. GLACIOFLUVIAL DEPOSITS</td>
</tr>
</tbody>
</table>

---

**Notes:**  
Shear strengths recorded using Pilicon Hand Shear Vane

**Remarks:**  
1. Groundwater not encountered.  
2. Pit terminated at 2.40m due to instability.

---

**Dimensions:**  
Stability: Unstable from 0.5-2.4m  
Plant Used: Mechanical Excavator