




## BOREHOLE LOG

| Contract: |  | Client: |  | Borehol |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue | Buro Happold |  | BH111 |  |
| Contract Ref: | Start: 11.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 15.12.17 | 6.70 | E:333528.5 N:392567.7 |  | 12 of 21 |



BH111-Box 2

| Method Used: | Concrete core <br> Inspection pit <br> Dynamic sampling + Rotary Cored | Plant Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: Jonathan Newby | Logged By: | TBeeson | $\begin{aligned} & \text { Checked } \begin{array}{l} \text { By: } \end{array} \text { S } \\ & \text { Sy } \end{aligned}$ | ACS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG

| Contract: |  | Client: |  | Boreho |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue | Buro Happold |  | BH111 |  |
| Contract Ref: | Start: 11.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 15.12.17 | 6.70 | E:333528.5 N:392567.7 |  | 13 of 21 |




BH111 - Box 4

| Method | $\begin{array}{l}\text { Concrete core }+ \\ \text { Inspection pit }+\end{array}$ | Plant Hilti Concrete Corer + |
| :--- | :--- | :--- |

## BOREHOLE LOG



## BOREHOLE LOG




BH111-Box 8

| Method | $\begin{array}{l}\text { Concrete core }+ \\ \text { Inspection pit }+\end{array}$ | Plant Hilti Concrete Corer + |
| :--- | :--- | :--- | Used:

## BOREHOLE LOG

| Contract: $\quad$ Project Blue |  | Client: |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Buro Happold |  |  | BH111 |
| Contract Ref: | Start: 11.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 15.12.17 | 6.70 | E:333528.5 N:392567.7 |  | 16 of 21 |



BH111 - Box 10

| Method Used: | $\begin{gathered} \text { Concrete core + } \\ \text { Inspection pit }+ \\ \text { Dynamis csampling + } \\ \text { Rotary Cored } \end{gathered}$ | Plant <br> Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: Jonathan Newby | Logged By: | TBeeson | $\begin{aligned} & \text { Checked } 1 \text { Sy } \\ & \text { By: } \end{aligned}$ | ACS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG




BH111 - Box 12

| Method | $\begin{array}{l}\text { Concrete core }+ \\ \text { Inspection pit }+\end{array}$ | Plant Hilti Concrete Corer + |
| :--- | :--- | :--- |

## BOREHOLE LOG




BH111-Box 14
Method $\quad \begin{aligned} & \text { Concrete core }+ \\ & \text { Inspection pit }+\end{aligned}$
Plant Hilti Concrete Corer +

| Hand tools + | Drilled |
| :--- | :--- |
|  |  | Comacchio GEO 205 By:

Jonathan New

## BOREHOLE LOG





BH111-Box 16

## BOREHOLE LOG




BH111-Box 18
Method $\quad \begin{gathered}\text { Concrete core }+ \\ \text { Inser }\end{gathered}$
Plant Hilti Concrete Corer +

## BOREHOLE LOG




| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{gathered} \hline \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \\ \hline \end{gathered}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Deck to silt level -7.50 m . Silt level used as reference for GL. <br> 2. UXO clearance performed by magnetometer adjacent to position. <br> 3. SPT hammer JT. 012017 ( $E_{\mathrm{r}}=72.00 \%$ ) used. |  |  |  |  |  |  |
| 12/01/18 | 15:00 | 10.60 | $\begin{aligned} & \hline 5.00 \\ & 5.00 \\ & 5.00 \end{aligned}$ | $\begin{aligned} & 146 \\ & 146 \\ & 146 \end{aligned}$ | $\begin{aligned} & \hline 2.10 \\ & 1.80 \\ & 2.10 \end{aligned}$ |  |  |  |  |  |  |  |
| 15/01/18 | 08:00 | 10.60 |  |  |  |  |  |  |  |  |  |  |
| 15/01/18 | 12:00 | 17.70 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | All dimen | sions in metres | S | Scale: | 1:22 |  |
| Method Used: | Dynamic sampling + Rotary Cored |  | Plan Used | Comacchio GEO 205 |  |  | Drilled By: | Joseph Taylor | Logged By: | MGalan + TBeeson | Checked By: | $A G S$ |











## BOREHOLE LOG

| Contract: | Project Blue | Client: Buro Happold |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | BH112 |  |
| Contract Ref: | Start: 12.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 15.01.18 | -2.45 | E:333549.3 N:392515.5 | 6 | of 11 |

## BH112-Box 1



BH112-Box 2

## BOREHOLE LOG

| Contract: |  | Client: Buro Happold |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue |  |  | BH112 |  |
| Contract Ref: | Start: 12.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 15.01.18 | -2.45 | E:333549.3 N:392515.5 | 7 | of 11 |



BH112-Box 4

## BOREHOLE LOG

| Contract: $\quad$ Project Blue |  | Client: |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Buro Happold |  |  | BH112 |
| Contract Ref: | Start: 12.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 15.01.18 | -2.45 | E:333549.3 N:392515.5 | 8 | of 11 |

## BH112-Box 5



BH112-Box 6

## BOREHOLE LOG



## BH112-Box 7



BH112-Box 8

## BOREHOLE LOG



## BOREHOLE LOG



GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_018 PriVersion: v8_06-Core+Full Castleford SI - 008 | Log COMPOSITE LOG - A4P | 764393 - PROJECT BLUE.GPJ - v8_06.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 01/06/18-10:12 | AJ4 |


| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{gathered} \hline \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \\ \hline \end{gathered}$ | Water Depth |  |  |  |  |  |  |
| 17/01/18 | 10:30 | Depth | Depth | (mm) | Depth | 1. Deck to silt level -8.40 m . Silt level used as reference for GL . <br> 2. UXO clearance performed by magnetometer adjacent to position. <br> 3. Piston sampler sheared; borehole terminated at 1.20 m . Refer to BH113A for redrill. |  |  |  |  |  |
|  |  |  |  |  |  |  | All dimen | sions in metr |  | Scale: | 1:22 |
| Method Used: | Dynamic sampling |  | Plant Used | Comacchio GEO 205 |  |  | Drilled By: | Joseph Taylor | Logged By: | TBeeson | $\begin{aligned} & \text { Checkec } \\ & \text { By: } \end{aligned}$ |



| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{gathered} \hline \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \\ \hline \end{gathered}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Deck to silt level -8.60 m . Silt level used as reference for GL. <br> 2. UXO clearance performed by magnetometer adjacent to position. <br> 3. No recovery from UT sampling due to extremely soft nature of silt. <br> 4. SPT hammer JT. 012017 ( $E_{\mathrm{r}}=72.00 \%$ ) used. |  |  |  |  |  |  |
| 17/01/18 | 16:00 | 5.20 | 3.70 | 146 | 0.70 |  |  |  |  |  |  |  |
| 18/01/18 | 08:00 | 5.20 | 3.70 | 146 | 0.90 |  |  |  |  |  |  |  |
| 18/01/18 | 15:00 | 16.00 | 3.70 | 146 | 1.80 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | All dimen | ssions in metr | S | Scale: | 1:22 |  |
| Method Used: | Dynamic sampling + Rotary Cored |  | Plant Used | Comacchio GEO 205 |  |  | Drilled By: | Stuart Crawford | Logged By: | MGalan + TBeeson | Checked By: | AGS |










## BOREHOLE LOG



BH113A-Box 1

STRUCTURAL SOILS LTIJ.
CONTRACT: PR(O)JECT BLUE
CONTRACT N().: 764393
BOIREHOLE N(): 13 H 113 A
IJEPTH - FIROM: 1.20 TO: 2.20


BH113A-Box 2

## BOREHOLE LOG



[^0]

BH113A - Box 4

| Contract: |  | Client: |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue | Buro Happold |  | BH113A |  |
| Contract Ref: | Start: 17.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 18.01.18 | -2.98 | E:333553.0 N:392472.0 | 8 | of 11 |



BH113A - Box 6

## BOREHOLE LOG

| Contract: |  | Client: | uro Happold | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue |  |  | BH113A |  |
| Contract Ref: | Start: 17.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 18.01.18 | -2.98 | E:333553.0 N:392472.0 |  | 9 of 11 |



BH113A - Box 8

## BOREHOLE LOG

| Contract: |  | Client: |  | Borehole: |
| :---: | :---: | :---: | :---: | :---: |
|  | Project Blue | Buro Happold |  | BH113A |
| Contract Ref: | Start: 17.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |
| 764393 | End: 18.01.18 | -2.98 | E:333553.0 N:392472.0 | 10 of 11 |



BH113A - Box 10

## BOREHOLE LOG




| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | Borehole Diameter (mm) | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. CAT scan undertaken at exploratory hole location. |  |  |  |  |  |  |
| 04/12/17 | 16:00 | 0.45 | None | 300 | Dry |  |  |  |  |  |  |  |
| 03/01/18 | 08:00 | 0.45 | None | 300 | Dry |  | ection p | hand exca | ated to 1.2 | 20 m . |  |  |
| 03/01/18 | 16:00 | 2.80 | None | 150 | Dry |  | ompleti | n of drilling | -situ wat | r pressure (d | le packer) test |  |
| 04/01/18 | 08:00 | 2.80 | None | 150 | 2.10 |  | rmed w | h test secti | from 12 | .00m to 13.50 |  |  |
| 04/01/18 | 16:00 | 16.00 | 6.00 | 150 | 1.70 |  | ompleti | n, 50 mm di | meter sta | ndpipe installe | 5.00m, with resp | nse |
| 05/01/18 | 08:00 | 16.00 | 9.00 | 146 | 1.40 |  | from 0 | 5m to 4.50 |  |  |  |  |
| 05/01/18 | 16:00 | 29.50 | 9.00 | 146 | 2.60 |  |  |  |  |  |  |  |
| 08/01/18 | 08:00 | 29.50 | 9.00 | 146 | 4.30 |  | Il dimen | ions in met |  | Scale: | 1:22 |  |
| Method Used: | $\begin{gathered} \text { Concrete core + } \\ \text { Inspection pit }+ \\ \text { Dynamict sampling + } \\ \text { Rotary Cored } \\ \hline \end{gathered}$ |  | Plant <br> Used | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 |  |  | Drilled By: | Lee Gidman | Logged By: | TBeeson |  | AGS |



| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \end{array} \\ \hline \end{array}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 6. SPT hammer JT. 012017 ( $E_{\mathrm{r}}=72.00 \%$ ) used. |  |  |  |  |  |  |
| 08/01/18 | 13:00 | 37.00 | 8.00 | 146 | 7.60 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | Il dimen | ions in met |  | Scale: | 1:22 |  |
| Method Used: | $\begin{gathered} \text { Concrete core + } \\ \text { Inspection pit }+ \\ \text { Dynamic sampling }+ \\ \text { Rotary Cored } \\ \hline \end{gathered}$ |  | Plant Used | Hilti Concrete Corer + <br> Hand tools + <br> Comacchio GEO 205 |  |  | Drilled By: | Lee Gidman | Logged By: | TBeeson | Checked By: | AGS |






GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_018 PriVersion: v8_06 - Core+Full Castleford SI - 008 | Log COMPOSITE LOG - A4P | 764393 - PROJECT BLUE.GPJ - v8_06.



| Contract: | Project Blue | Client: Buro Happold |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | BH114 |  |
| Contract Ref: | Start: 04.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 08.01.18 | 6.76 | E:333502.4 N:392415.2 | 6 | of 21 |





GINT LIBRARY V8_06. GLB LibVersion: v8_06_018 PriVersion: v8_06-Core+Full Castleford SI - 008 | Log COMPOSITE LOG - A4P I 764393 - PROJECT BLUE.GPJ - v8_06.



GINT_LIBRARY V8_06.GLB LibVersion: v8_06_018 PriVersion: v8_06-Core+Full Castleford SI - 008 | Log COMPOSITE LOG - A4P I 764393 - PROJECT BLUE.GPJ - v8_06.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 01/06/18-10:22| AJ4 |



GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_018 PriVersion: v8_06-Core+Full Castleford SI - 008 | Log COMPOSITE LOG - A4P | 764393 - PROJECT BLUE.GPJ - v8_06.
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 01/06/18-10:22 | AJ4 |





| Contract: |  | Client: |  | Borehole |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue | Buro Happold |  | BH114 |  |
| Contract Ref: | Start: 04.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 08.01.18 | 6.76 | E:333502.4 N:392415.2 |  | 11 of 21 |



BH114-Box 1

| Method Used: | Concrete core + Inspection pit + Dynamic sampling Rotary Cored | Plant Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: | Lee Gidman | Logged By: | TBeeson | $\begin{aligned} & \text { Checked } 1 \text { Sy: } \\ & \text { By: } \end{aligned}$ | AGS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG




BH114-Box 3

| Method Used: | $\begin{gathered} \text { Concrete core + } \\ \text { Inspection pit }+ \\ \text { Dynamic sampling }+ \\ \text { Rotary Cored } \\ \hline \end{gathered}$ | Plant <br> Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: | Lee Gidman | Logged By: | TBeeson | $\begin{aligned} & \text { Checked A-S } \\ & \text { By: } \end{aligned}$ | AGS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG

| Contract: |  | Client: |  | Boreh |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue | Buro Happold |  | BH114 |  |
| Contract Ref: | Start: 04.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 08.01.18 | 6.76 | E:333502.4 N:392415.2 |  | 13 of 21 |



BH114-Box 5

| Method Used: | $\begin{gathered} \text { Concrete core + } \\ \text { Inspection pit }+ \\ \text { Dynamic sampling }+ \\ \text { Rotary Cored } \\ \hline \end{gathered}$ | Plant <br> Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: | Lee Gidman | Logged By: | TBeeson | $\begin{aligned} & \text { Checked A-S } \\ & \text { By: } \end{aligned}$ | AGS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG



## BOREHOLE LOG

| Contract: Prer | Project Blue | Client: Buro Happold |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | BH114 |  |
| Contract Ref: | Start: 04.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 08.01.18 | 6.76 | E:333502.4 N:392415.2 |  | 15 of 21 |



BH114-Box 9

| Method Used: | $\begin{gathered} \text { Concrete core + } \\ \text { Inspection pit }+ \\ \text { Dynamic sampling }+ \\ \text { Rotary Cored } \\ \hline \end{gathered}$ | Plant <br> Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: | Lee Gidman | Logged By: | TBeeson | $\begin{aligned} & \text { Checked A-S } \\ & \text { By: } \end{aligned}$ | AGS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG




BH114 - Box 11

## BOREHOLE LOG



[^1]

BH114-Box 13

| Method Used: | $\begin{aligned} & \text { Concrete core }+ \\ & \text { Inspection pit }+ \\ & \text { Dynamic sampling }+{ }^{+} \text {Rotary Cored } \\ & \text { Roter } \end{aligned}$ | Plant <br> Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: | Lee Gidman | Logged By: | TBeeson | Checked $A$ By: By: | AGS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG

| Contract: |  | Client: |  | Boreho |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue | Buro Happold |  | BH114 |  |
| Contract Ref: | Start: 04.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 08.01.18 | 6.76 | E:333502.4 N:392415.2 |  | 18 of 21 |




BH114-Box 15

| Method Used: | Concrete core + Inspection pit + Dynamic sampling Rotary Cored | Plant Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: | Lee Gidman | Logged By: | TBeeson | $\begin{aligned} & \text { Checked } \begin{array}{l} \text { By: } \end{array} \text { S } \\ & \text { Sy } \end{aligned}$ | ACS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG

| Contract: |  | Client: |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Buro Happold |  | BH114 |
| Contract Ref: | Start: 04.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 08.01.18 | 6.76 | E:333502.4 N:392415.2 |  | 19 of 21 |

[^2]

BH114-Box 17

| Method Used: | $\begin{gathered} \text { Concrete core + } \\ \text { Inspection pit }+ \\ \text { Dynamic sampling }+ \\ \text { Rotary Cored } \\ \hline \end{gathered}$ | Plant <br> Used: | Hilti Concrete Corer + Hand tools + Comacchio GEO 205 | Drilled By: | Lee Gidman | Logged By: | TBeeson | $\begin{aligned} & \text { Checked A-S } \\ & \text { By: } \end{aligned}$ | AGS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

## BOREHOLE LOG



BH114-Box 18


BH114-Box 19
By:

## BOREHOLE LOG




BH114-Box 21

Used:



| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \end{array} \\ \hline \end{array}$ | Water Depth |  |  |  |  |  |  |
| 08/01/18 | 11:00 | $\begin{array}{\|c\|} \text { Depth } \\ \hline 4.50 \end{array}$ | Depth | $\begin{array}{\|c\|} \hline(\mathrm{mm}) \\ \hline 120 \end{array}$ | Depth | 1. Borehole drilled using rotary open-hole methods to facilitate void survey of subsurface chamber. <br> 2. Chamber noted to be water filled. <br> 3. Sonar scan undertaken of water filled chamber. Refer to Appendix H for futher details and full Geoterra report. <br> 4. On completion of survey, sacrificial bladder installed at top of chamber and borehole backfilled with concrete from 2.00 m to GL . |  |  |  |  |  |
|  |  |  |  |  |  |  | ll dimen | sions in metre |  | Scale: | 1:50 |
| Method Used: | Rotary open hole |  | Plant Used | Comacchio GEO 205 |  |  | Drilled <br> By: | Joseph Taylor | $\begin{aligned} & \text { Logged } \\ & \text { By: } \end{aligned}$ | AJones | $\begin{aligned} & \text { Checkeg } \operatorname{By} \text { B AGS } \end{aligned}$ |


| Contract: |  | Client: Buro Happold |  | Borehole: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OH101 |
| Contract Ref: | Start: 11.01.18 |  |  | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |  |
| 764393 | End: 11.01.18 | 6.82 | E:333368.2 N:392383.3 | 1 | of |  |





| Depth (m) | Samples \& Testing |  |  | Mechanical Log |  |  |  | - |  |  | Description of Strata |  |  | Material Graphic Legend |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No | Type | Results | $\begin{array}{\|c\|} \hline \text { TCR } \\ (\%) \end{array}$ | $\begin{array}{\|c\|} \hline S C R \\ (\%) \end{array}$ | $\begin{array}{\|l\|} \hline R Q D \\ (\%) \\ \hline \end{array}$ | $\begin{gathered} \text { If } \\ (\mathrm{mm}) \end{gathered}$ |  |  |  |  |  |  |  |
| $\begin{aligned} & 3.00 \\ & 3.20 \end{aligned}$ |  | $\begin{aligned} & \text { EW } \\ & \text { EW } \end{aligned}$ |  |  |  |  |  |  |  |  | MADE GROUND: SAND with cobbles and boulders of sandstone. Bitumen noted. (Driller's description) <br> MADE GROUND: Black SILT, SAND and CLAY bands. (Driller's description). |  | $E$ <br> $E$ <br> $E$ <br> $E$ <br> $E$ <br> $E(3.20)$ <br> $E$ <br> $E$ <br>  <br>  <br>  <br> 3.20 <br>  <br>  <br> $(1.30)$ <br>  <br> 4.50 |  |
|  |  |  |  |  |  |  |  |  |  |  | Borehole terminated at 4.5 m depth. |  |  |  |


| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | BoreholeDiameter (mm) | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Hand dug inspection pit to 1.20 m . <br> 2. Openhole borehole for installation of standpipe. <br> 3. Drilled using air-mist flush. <br> 4. Groundwater strike at 1.70 m . <br> 5.50 mm standpipe installed on completion, response zone 0.50 m to 4.50 m . |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline 12 / 01 / 18 \\ 12 / 01 / 18 \\ \hline \end{array}$ | $\begin{aligned} & \hline 11: 00 \\ & 12: 00 \end{aligned}$ | $\begin{aligned} & 1.70 \\ & 4.50 \end{aligned}$ | $\begin{aligned} & 1.20 \\ & 4.50 \end{aligned}$ | $\begin{aligned} & 120 \\ & 120 \end{aligned}$ | $\begin{aligned} & 1.20 \\ & 1.20 \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | Ill dimen | sions in metre |  | Scale: | 1:50 |  |
| Method Used: | Inspection pit + Rotary open hole |  | Plant Used | Comacchio GEO 205 |  |  | Drilled <br> By: | Jonathan Newby | $\begin{array}{\|l} \left\lvert\, \begin{array}{l} \text { Logged } \\ \text { By: } \end{array}\right. \\ \hline \end{array}$ | AJones | $\begin{aligned} & \text { Checked } 1 \text { S } \mathrm{Sy} \text { : } \end{aligned}$ | AGS |




| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | BoreholeDiameter (mm) | Water Depth |  |  |  |  |  |  |  |
| 11/01/18 |  |  |  |  |  | 1. Hand dug inspection pit to 1.20 m . <br> 2. Openhole borehole for installation of standpipe. <br> 3. Drilled using air-mist flush, casing installed to 5.50 m . <br> 4. Groundwater strike at 2.20 m . <br> 5.50 mm standpipe installed on completion, response zone 1.00 m to 5.50 m . |  |  |  |  |  |  |
| 11/01/18 | 16:00 | 5.50 | 5.50 | 120 | 2.10 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | dime | sions in metre |  | Scale: | 1:50 |  |
| Method Used: | Inspection pit + Rotary open hole |  | Plant Used | Comacchio GEO 205 |  |  | Drilled By: | Jonathan Newby | $\begin{array}{\|l\|} \hline \text { Logged } \\ \text { By: } \end{array}$ | AJones | $\begin{aligned} & \text { Checked } \sqrt{\text { By: }} \sqrt{5} \end{aligned}$ | AGS |




| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{array}{\|c} \hline \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \\ \hline \end{array}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Groundwater strike at 1.20 m . <br> 2. Borehole terminated at 11.50 m in natural sandstone. <br> 3. Borehole backfilled with bentonite and capped with concrete on completion. |  |  |  |  |  |  |
| 12/01/18 | 10:00 | 1.20 | None | 120 | 1.20 |  |  |  |  |  |  |  |
| 12/01/18 | 16:00 | 10.30 | 10.30 | 140 | 1.20 |  |  |  |  |  |  |  |
| 15/01/18 | 08:00 | 10.30 | 10.30 | 140 | 1.80 |  |  |  |  |  |  |  |
| 15/01/18 | 10:00 | 11.50 | 10.30 | 120 | 1.80 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | All dimen | sions in metre |  | Scale: | 1:50 |  |
| Method Used: | Rotary open hole + Rotary Cored |  | Plant Used | Comacchio GEO 305 |  |  | Drilled By: | Jonathan Newby | Logged By: | MGalan | $\begin{aligned} & \text { Checked } \sqrt{\text { By: }} \\ & \text { By: } \end{aligned}$ | AGS |


| Contract: Project Blue |  | Client: |  | Borehole: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Project Blue |  | Buro Happold |  | P101A |  |  |
| Contract Ref: | Start: 12.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |  |
| 764393 | End: 15.01.18 | 6.44 | E:333395.0 N:392551.7 | 2 | of | 2 |




| Contract: Pr | Project Blue | Client: Buro Happold |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | P101B |  |
| Contract Ref: | Start: 12.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 12.01.18 | 6.50 | E:333394.4 N:392551.0 | 1 | of 1 |



| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \end{array} \\ \hline \end{array}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Groundwater strike at 1.20 m . <br> 2. Borehole terminated at 2.70 m ; unable to prgress borehole casing. <br> 3. Borehole backfilled with bentonite and capped with concrete on completion. |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline 12 / 01 / 18 \\ 12 / 01 / 18 \\ \hline \end{array}$ | $\begin{aligned} & 15: 00 \\ & \text { 16:00 } \end{aligned}$ | $\begin{aligned} & 1.20 \\ & 2.70 \end{aligned}$ | None <br> None | $\begin{aligned} & 120 \\ & 120 \end{aligned}$ | 1.20 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | All dime | sions in metre |  | Scale: | 1:50 |  |
| Method Used: | Rotary open hole |  | Plant <br> Used | Comacchio GEO 205 |  |  | Drilled By: | Jonathan Newby | $\begin{aligned} & \text { Logged } \\ & \text { By: } \end{aligned}$ | MGalan | $\begin{aligned} & \text { Checked } 1 \leq 5 \\ & \text { By: } \end{aligned}$ | AGS |




| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | Borehole <br> Diameter (mm) | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Groundwater strike at 1.80 m . <br> 2. Borehole terminated at 10.50 m on proving structure at depth. <br> 3. Borehole backfilled with bentonite and capped with concrete on completion. |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline 15 / 01 / 18 \\ 15 / 01 / 18 \end{array}$ | $\begin{aligned} & 14: 00 \\ & 16: 00 \end{aligned}$ | $\begin{gathered} 1.80 \\ 10.50 \end{gathered}$ | $\begin{aligned} & 1.80 \\ & 9.70 \end{aligned}$ | $\begin{aligned} & 120 \\ & 120 \end{aligned}$ | $\begin{aligned} & 1.80 \\ & 1.80 \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | ll dime | sions in metre |  | Scale: | 1:50 |  |
| Method Used: | Rotary open hole + Rotary Cored |  | Plant Used | Comacchio GEO 305 |  |  | Drilled By: | Jonathan Newby | Logged By: | MGalan | $\begin{aligned} & \text { Checked } 1 \text {, } \\ & \text { By: } \end{aligned}$ | AGS |




| Contract: Pr |  | Client: |  | Borehole: |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project Blue | Buro Happold |  | P102A |  |
| Contract Ref: | Start: 18.12.17 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |
| 764393 | End: 19.12.17 | 6.62 | E:333537.6 N:392556.6 | 1 | of 1 |



| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | $\begin{array}{\|c} \text { Borehole } \\ \text { Depth } \end{array}$ | Casing Depth | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \end{array} \\ \hline \end{array}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. No groundwater encountered during drilling. <br> 2. Borehole terminated due to metal obstruction at 5.75 m . Probing at this location terminated due to access time constraints. <br> 3. Borehole backfilled with bentonite on completion. |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline \text { 19/12/18 } \\ 19 / 12 / 18 \end{array}$ | 16:00 | $\begin{aligned} & 4.00 \\ & 5.75 \end{aligned}$ | $\begin{aligned} & 3.30 \\ & 3.30 \end{aligned}$ | $\begin{aligned} & 120 \\ & 120 \end{aligned}$ | $0.70$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | All dime | nsions in metre |  | Scale: | 1:50 |  |
| Method Used: | Rotary open hole |  | Plant Used | Comacchio GEO 205 |  |  | Drilled By: | Jonathan Newby | Logged By: | TBeeson | $\begin{aligned} & \text { Checked } 1 \leq 5 \\ & \text { By: } \quad \text { S } \end{aligned}$ | $\square$ |






## BOREHOLE LOG






| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{gathered} \hline \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \end{gathered}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Groundwater strike at 1.50 m . <br> 2. Borehole terminated at 8.00 m on proving structure at depth. <br> 3. Borehole backfilled with bentonite and capped with concrete on completion. |  |  |  |  |  |  |
| $\begin{aligned} & \hline 18 / 01 / 18 \\ & 18 / 01 / 18 \end{aligned}$ |  | $\begin{aligned} & 1.50 \\ & 8.00 \end{aligned}$ | $\begin{aligned} & 1.50 \\ & 7.50 \end{aligned}$ | $\begin{aligned} & 120 \\ & 120 \end{aligned}$ | $\begin{aligned} & 1.50 \\ & 1.60 \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | ll dime | sions in metre | S | Scale: | 1:50 |  |
| Method Used: | Rotary Cored |  | Plant Used | Comacchio GEO 205 |  |  | Drilled By: | Jonathan Newby | Logged By: | MGalan | $\begin{aligned} & \text { Checked } 1 \leq 5 \\ & \text { By: } \end{aligned}$ | AGS |



| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | $\underset{\substack{\text { Borehole } \\ \text { Depth }}}{\text { en }}$ | $\begin{array}{\|l} \hline \text { Casing } \\ \text { Depth } \end{array}$ | $\begin{gathered} \hline \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \end{gathered}$ | $\begin{aligned} & \text { Water } \\ & \text { Depth } \end{aligned}$ |  |  |  |  |
|  |  |  |  | Comacchio GEO 205 |  | All dimensions in metres |  | Scale: | 1:50 |
| Method Used: | Rotary Cored |  | $\begin{array}{\|l\|l\|l\|l\|l\|l\|} \text { psedt } \end{array}$ |  |  | Drilled <br> By: Jonathan Newby | $\begin{aligned} & y_{y}^{\text {Logged }} \mathrm{By} . \end{aligned}$ | MGalan | $\left.\right\|_{\text {By: }} ^{\text {Checked A A A A A }}$ |




| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{gathered} \hline \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \\ \hline \end{gathered}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Groundwater strike at 4.40 m . <br> 2. Borehole terminated at 11.50 m on natural bedrock. <br> 3. Borehole backfilled with bentonite and capped with concrete on completion. |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline 05 / 01 / 18 \\ 05 / 01 / 18 \end{array}$ |  | $\begin{gathered} 4.40 \\ 11.50 \end{gathered}$ | $\begin{gathered} \hline 3.00 \\ 10.50 \end{gathered}$ | $\begin{aligned} & 120 \\ & 120 \end{aligned}$ | $\begin{aligned} & 4.40 \\ & 8.10 \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | All dimen | sions in metre | s | Scale: | 1:50 |  |
| Method Used: | Rotary open hole + Rotary Cored |  | Plant Used | Comacchio GEO 205 |  |  | Drilled By: | Jonathan Newby | Logged By: | MGalan | Checked By: | ACS |







| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | $\begin{gathered} \hline \text { Borehole } \\ \text { Diameter } \\ (\mathrm{mm}) \\ \hline \end{gathered}$ | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Groundwater strike at 4.40 m . <br> 2. Borehole terminated at 10.50 m on natural bedrock. <br> 3. Borehole backfilled with bentonite and capped with concrete on completion. |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline 05 / 01 / 18 \\ 05 / 01 / 18 \end{array}$ |  | $\begin{gathered} 4.40 \\ 10.50 \end{gathered}$ | $\begin{gathered} \hline 3.00 \\ 10.50 \end{gathered}$ | $\begin{aligned} & 120 \\ & 120 \end{aligned}$ | $\begin{aligned} & 4.40 \\ & 4.40 \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | All dimen | sions in metre | s | Scale: | 1:50 |  |
| Method Used: | Rotary open hole |  | Plant Used | Comacchio GEO 205 |  |  | Drilled By: | Jonathan Newby | Logged By: | TBeeson | $\begin{aligned} & \text { Checked } \sqrt{ } \text { By: } \end{aligned}$ | ACS |


| Contract: |  | Client: |  | Borehole: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Buro Happold |  | P105B |  |  |
| Contract Ref: | Start: 05.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |  |
| 764393 | End: 05.01.18 | 6.66 | E:333288.4 N:392473.1 | 2 | of | 2 |











| Contract: | Project Blue | Client: Buro Happold |  | Borehole: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | P106C |  |  |
| Contract Ref: | Start: 04.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |  |
| 764393 | End: 04.01.18 | 6.64 | E:333286.2 N:392521.7 | 1 | of | 2 |




## BOREHOLE LOG




| Contract: |  | Client: |  | Borehole: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Buro Happold |  | P106D |  |  |
| Contract Ref: | Start: 04.01.18 | Ground Level (m): | National Grid Co-ordinate: | Sheet: |  |  |
| 764393 | End: 04.01.18 | 6.70 | E:333285.0 N:392521.7 | 1 | of | 2 |



| Boring Progress and Water Observations |  |  |  |  |  | General Remarks |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Time | Borehole Depth | Casing Depth | BoreholeDiameter (mm) | Water Depth |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1. Groundwater strike at 1.90 m . <br> 2. Borehole terminated at 10.80 m on natural bedrock. <br> 3. Borehole backfilled with bentonite and capped with concrete on completion. |  |  |  |  |  |  |
| $\begin{array}{\|l\|} \hline 04 / 01 / 18 \\ 04 / 01 / 18 \\ \hline \end{array}$ |  | $\begin{gathered} \hline 1.90 \\ 10.80 \end{gathered}$ | $\begin{gathered} \hline 1.50 \\ 10.60 \end{gathered}$ | $\begin{aligned} & 120 \\ & 120 \end{aligned}$ | $\begin{aligned} & 1.90 \\ & 3.10 \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | dime | sions in metre |  | Scale: | 1:50 |  |
| Method Used: | Rotary open hole |  | Plant Used | Comacchio GEO 205 |  |  | Drilled By: | Jonathan Newby | $\begin{array}{\|l} \hline \text { Logged } \\ \text { By: } \end{array}$ | TBeeson | $\begin{aligned} & \text { Checked } 1 \leq 5 \\ & \text { By: } \end{aligned}$ | AGS |

## BOREHOLE LOG




(w) uo!!̣елә|ヨ


(ш) ио!!елә|ヨ



SUBSURFACE SECTION DIAGRAM


(ய) ио!!еләઇヨ

SUBSURFACE SECTION DIAGRAM

Distance along the baseline ( m )
MATERIAL LEGENDS
MADEGROUND Concreve Sandstone




(u) ио!̣елә|ヨ

SUBSURFACE SECTION DIAGRAM

Distance along the baseline (m)





SITEMAP AND SECTION BASELINE
$=z$





| Plan (Not to Scale) <br> Bearing $\qquad$ $160^{\circ}$ |  |  | General Remarks |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1. Trial pit scanned with CAT and Genny and GPR prior to excavation. <br> 2. Groundwater struck at 1.60 m . Heavy strong hydrocarbon odour. <br> 3. Trial pit remained stable during excavation. <br> 4. See trial pit sketches/projections for details of structures in pit. <br> 5. On completion, borehole backfilled with arisings. |  |  |  |  |  |
|  |  |  | All dimensions in metres |  | Scale: 1:25 |  |  |  |
| Method Used: | Machine dug | Plant Used | Mini tracked excavator | Logged <br> By: | GGoldthorpe | Checked By: | PMR | AGS |


Northern part of pit, facing north

Eastern face



Southern part of excavation and rail


욷






[^0]:    

[^1]:    

[^2]:    GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_018 PriVersion: v8_06 - Core+Full Castleford SI - 008 | Log COMPOSITE LOG - A4P I 764393 - PROJECT BLUE.GPJ - v8_06.
    Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 01/06/18-10:25 | AJ4 |

