

OUR REF: 10/1425/002

YOUR REF:

1<sup>st</sup> September 2019

C/O James Hodge on behalf of  
AG Langstone B.V.  
Prinsengracht 919  
1017 KD  
Amsterdam  
Netherlands

Email: [james.hodge@malcolmhollis.com](mailto:james.hodge@malcolmhollis.com)

Dear James,

**Building 6000, Langstone Technology Park, Havant, Portsmouth**  
**Site Investigation Letter Report**

**Introduction**

Clancy Consulting Limited has been instructed by AG Langstone B.V to carry out a Geo-Environmental Appraisal for Langstone Technology Park, Havant, Portsmouth to assist in the construction of two new entrance / lobby areas to the existing Building 6000 along with additional works within the wider site.

Langstone Technology Park comprises a roughly rectangular parcel of land occupying an area of approximately 16Ha. The site is located toward the southern periphery of Havant, approximately 600m south of the Town Centre, and 1.5km south-east of Junction 5 of the A3(M).

The site comprises a series of large buildings subdivided into leased units of mixed uses. Occupying the centre of the site are a series of buildings including two plant buildings ('Building 2000 and 3000'), offices and amenity complex with associated courtyards ('Building 4000'), a large data and distribution centre ('Building 5000') with waste storage area to the west, and three-storey office buildings ('Building 6000 and 7000').

The following sections relate specifically to the investigations conducted in the vicinity of Building 6000 only.

Further information regarding the works undertaken and ground conditions encountered within the wider site can be found within the Clancy Consulting Ltd Report No. 10/1425/001 dated August 2019.

**Fieldwork**

The site investigation works were carried out between 15<sup>th</sup> July and 17<sup>th</sup> July 2019 and comprised the drilling of two cable percussive boreholes (BH1 & BH1A) to a maximum depth of 24.95m bgl and a single window sample borehole (WS1) to 5.45m bgl to assess the general ground conditions. Two hand excavated trial pits (HTP1 & HTP2) were undertaken to maximum depth of 1.40m bgl to assess the existing building foundations and founding strata.

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An exploratory hole location plan is attached to this report along with copies of the exploratory hole logs and the foundation section drawings.

It must be noted that ground investigations can only target small areas of a site and that ground conditions may vary between exploratory hole locations. Whilst the investigation aims to characterise the general ground conditions beneath the proposed development site, Clancy Consulting Ltd cannot be held accountable for variations in ground and groundwater conditions, unidentified contamination or the presence of below ground structures present in areas of the site which fall outside of the exploratory locations carried out as part of the investigation.

### Ground Conditions

Made Ground was identified during the intrusive investigation works to depths of up to 2.60m bgl and generally comprised a variable sequence of either predominantly granular or cohesive materials of various subtypes.

In BH1 and BH1A concrete obstructions were encountered from 1.00m to 1.15m bgl in each borehole location, interpreted to be historic hard standing/ floors associated with buildings historically located in this area. These obstructions were underlain by a void to 1.30m bgl in BH1A.

BH1 was terminated within the concrete obstruction at 1.10m bgl.

HDP1 and HDP2 were terminated within the Made Ground at 1.40m and 1.20m bgl respectively.

Made Ground was underlain in WS1 by slightly sandy very gravelly clay which is further underlain by weathered bedrock comprising firm white gravelly clay to the base on investigation (5.45m bgl).

Made Ground was underlain in BH1A by interbedded granular and cohesive strata interpreted as river terrace deposits and is further underlain by solid chalk bedrock encountered from 5.40m bgl and proven to a maximum of 24.85m bgl.

Groundwater was encountered in BH1A at 4.30m bgl rising to 3.70m bgl and in WS1 at 2.00m bgl rising to 1.80m bgl.

### Soil Contamination

Selected soil samples were recovered at regular intervals and submitted to a UKAS / MCerts accredited laboratory for a general and targeted suite of analysis.

Two samples of the Made Ground and one natural sample were sent for analysis including analysis of some or all of the following determinands: arsenic, beryllium, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, vanadium, zinc.

Selected soil samples were also tested for speciated PAH, asbestos identification, pH and water-soluble sulphate.

The results of the chemical analyses indicate that both the Made Ground and underlying natural soils are uncontaminated when compared with the published Soil Screening Value for a commercial end use.

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The two samples of Made Ground were screened for the presence of asbestos. Asbestos fibres were not identified within the samples.

### **Geotechnical Testing**

SPT 'N' values of between 15 and 50 (refusal) were recorded within the Made Ground.

The SPTs carried out within the shallow natural strata up to 3.45m bgl recorded 'N' values ranging from 1 to >50 indicating these soils to be in a very variable condition. Beneath this, the SPTs recorded 'N' values ranging from 10 to 15 indicating these soils to be in a medium dense and firm condition.

Within the chalk bedrock, the SPT 'N' values generally increased in depth with 'N' values from 7.50m to 13.50m bgl ranging from 9 to 16, 'N' values between 15.00m to 19.50m ranging from 16 to 28 and from 21.00m proven to a maximum to 24.50m, the SPT 'N' values were all recorded as >50.

Undisturbed samples were recovered from within the chalk however only one (BH1 at 6.00m to 6.45m bgl) was found suitable for triaxial compression testing. The test result recorded a Cu value of 38 kPa.

A soil sample was recovered from the shallow natural clay deposits within WS1 at 2.50m bgl. The sample was submitted to a UKAS accredited laboratory for Determination of Liquid and Plastic Limits in accordance with BS1377: Part 2: 1990: Methods 3.0,4.4 and 5.0. The result recorded Modified Plasticity Index of 2.7% in WS1 at 2.50m bgl. Therefore in accordance with table 1 of NHBC Standards Chapter 4.2, these soils are of 'low' volume change potential.

Beneath the superficial deposits, structureless chalk was encountered generally comprising slightly sandy slightly gravelly silt. Two samples were retrieved from WS1 at 4.80m bgl and BH1 at 10.50m to 10.95m bgl and submitted to a UKAS accredited laboratory for Saturated Moisture Content and Intact Dry Density testing.

In Accordance with Table 3.2 of CIRIA C574 'Engineering in Chalk', the result recorded for the sample from WS1 was found to be of 'medium density' with the sample from BH1 indicated to be of 'low density'. It is noteworthy that samples taken from the wider site were generally in line with chalk of 'medium density'.

### **Existing Foundations**

HTP1 and HTP2 were excavated adjacent to Building 6000 in order to investigate the existing building foundations.

HTP1 was excavated adjacent to a concrete column which extended vertically to a depth of 0.60m bgl, before stepping out horizontally from the column line for a distance of approximately 0.85m. The foundation then extended vertically to a depth of 1.20m bgl, before again stepping out horizontally. At 1.20m bgl the foundation extended 1.20m out from the column line before again extending vertically, proven to a depth of 1.40m bgl. The excavation was terminated at 1.40m bgl, at which depth neither the foundation base, nor founding stratum could be proven.

HTP2 was undertaken against a non-loadbearing brick wall, which extended to a depth of 0.30m bgl. A concrete foundation was encountered at this depth which stepped out horizontally by 0.05m, before extending vertically to 0.65m bgl in one half of the trial pit and

to the full depth of the excavation at 1.20m bgl in the other half of the trial pit. The foundation base and founding stratum were not exposed.

It is understood from anecdotal evidence that building 6000 is constructed on pad foundations, however the investigation could neither prove nor disprove this hypothesis.

### **Proposed Foundations**

Given the above geotechnical results, it is considered that a shallow foundation solution may prove problematic though an allowable bearing capacity of 40 - 50 kN/m<sup>2</sup> could be assumed in such material.

As such we would consider that a piled foundation may be more suitable. Additional advice should be sought from a specialist piling contractor regarding the pile design (i.e. type, length and diameter). If a piled foundation solution is to be utilised, there may be differential settlement between piled structures and the surrounding ground level.

### **Concrete Classification**

In accordance with BRE Special Digest 1, the site has been classified as "brownfield" with a mobile groundwater regime.

The concentrations of sulphate in aqueous extractions were determined using the gravimetric method. The pH value of each sample was determined using the electrometric method.

Two samples taken from the Made Ground and one from the natural superficial deposits were tested for water soluble sulphate content.

Sulphate concentrations did not exceed laboratory level of detection (LOD) of 10 mg/l in any of the samples analysed. The characteristic sulphate value has therefore been set at the laboratory LOD of is therefore 10mg/l. The lowest recorded pH was 7.01.

Therefore, in accordance with Table C2 of SD1, sub-surface concrete should be Design Sulphate Class DS-1 with an ACEC classification of AC-1.

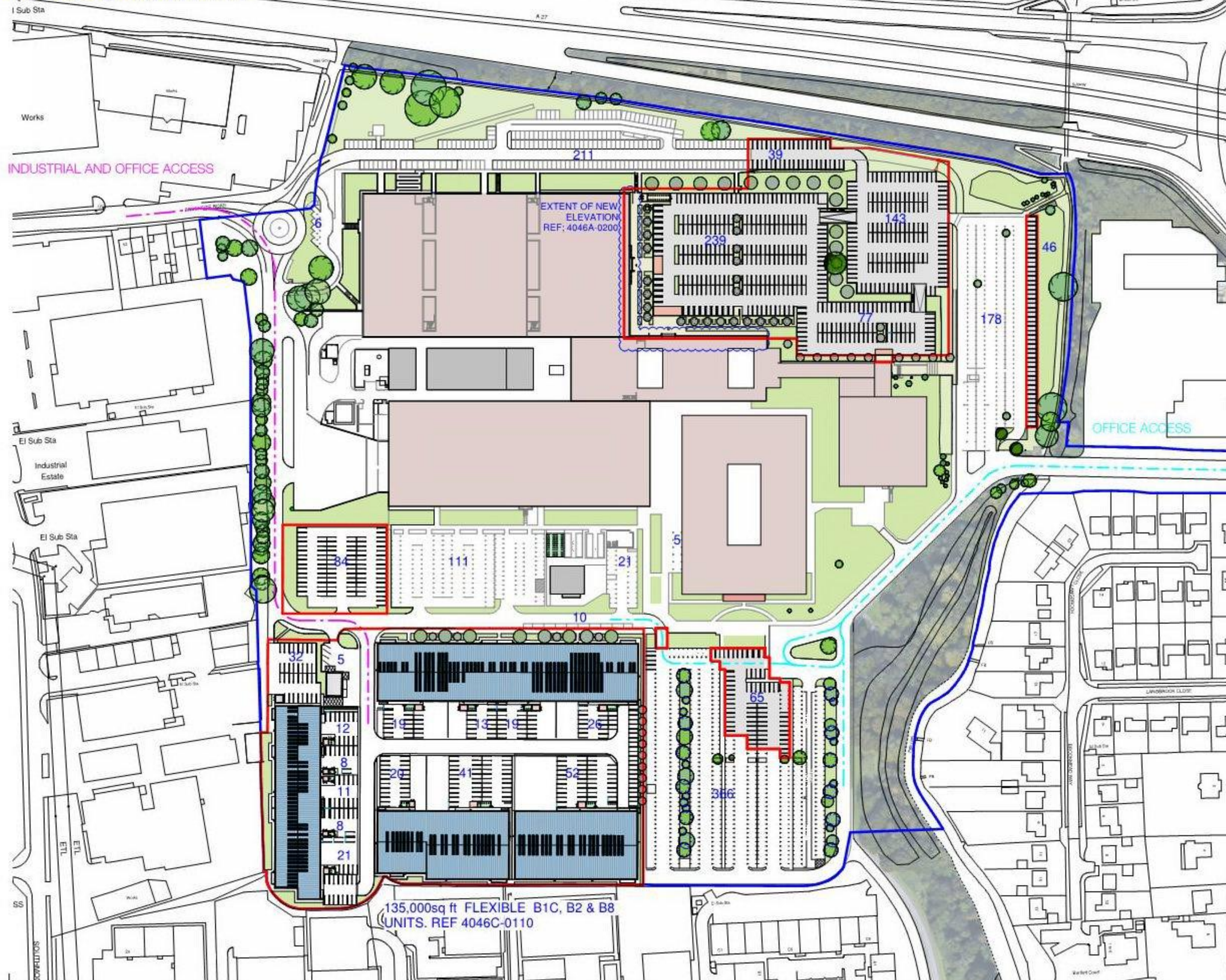
We hope the above is satisfactory, however, should you require any further information, please contact the undersigned.

Yours sincerely,

**Sophie Harper-Pryce**  
**Senior Geo-Environmental Engineer**  
**For and on behalf of Clancy Consulting Ltd**

Enc    Proposed Site Layout Plan  
       Exploratory Hole Location Plan  
       Trial Pit Foundation Section Drawing  
       Exploratory Hole Logs  
       Laboratory Test Results

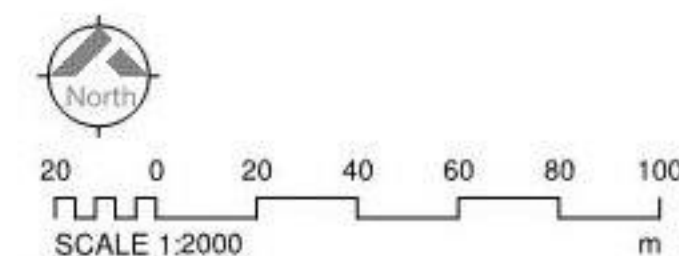
Total Site Parking: 1888 (4.5% Disabled)



**Notes**  
This drawing may be scaled for the purposes of Planning Applications, Land Registry and for Legal plans where the scale bar is used, and where it verifies that the drawing is an original or an accurate copy. It may not be scaled for construction purposes.  
Always refer to figured dimensions. All dimensions are to be checked on site. Discrepancies and/or ambiguities between this drawing and information given elsewhere must be reported immediately to this office for clarification before proceeding. All drawings are to be read in conjunction with the specification and all works to be carried out in accordance with latest British Standards / Codes of Practice.

G 26.06.19 CJ Industrial area and landscape coordinated.

| Rev | Date | Init | Notes | Chkd |
|-----|------|------|-------|------|
|-----|------|------|-------|------|



Client

Drawing Originator

**AWW** inspired environments

London - 106 Weston Street London SE1 3QB 020 7160 6000  
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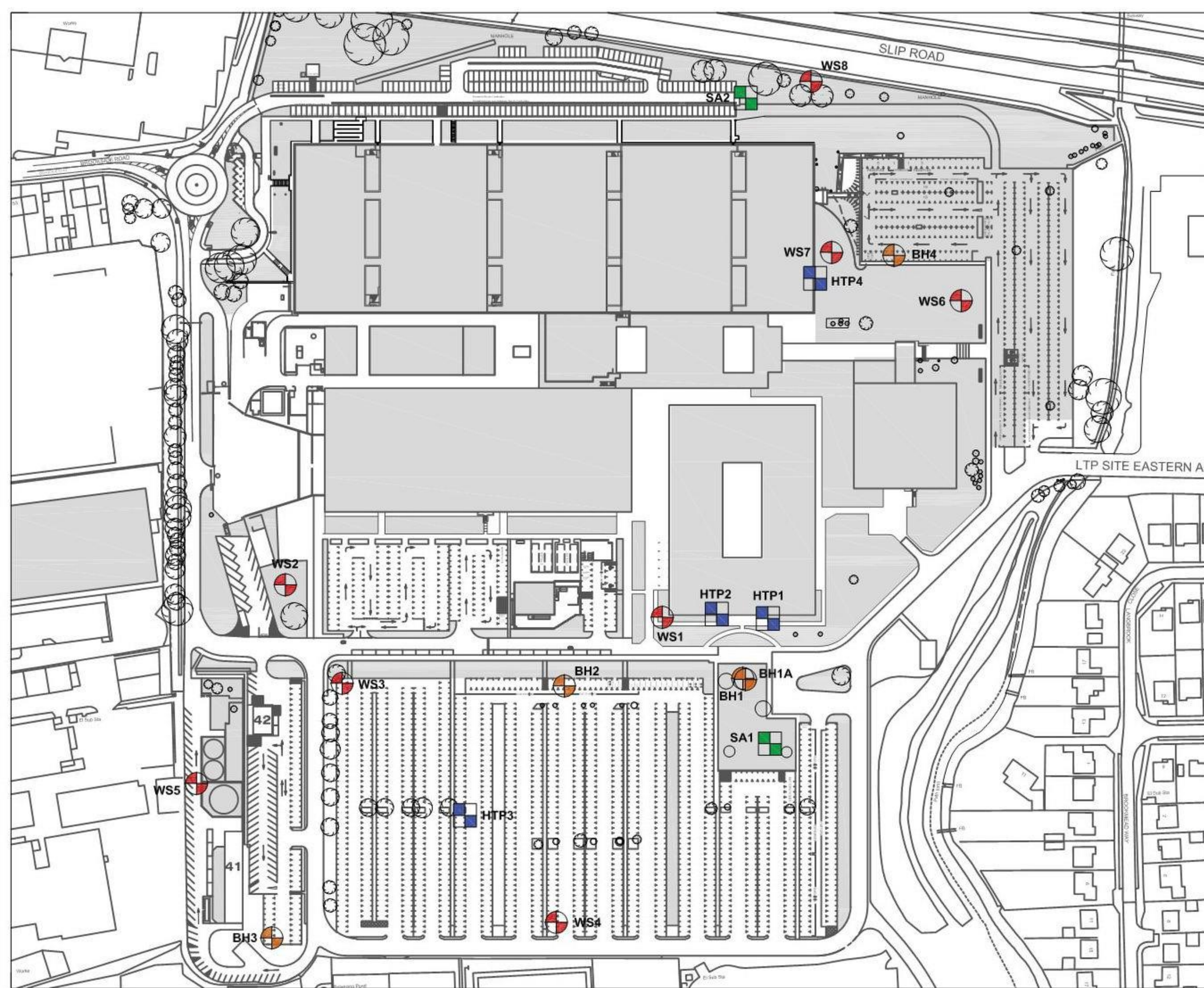
RIBA Chartered Practice [www.aww-uk.com](http://www.aww-uk.com)

Project Title  
**Langstone Technology Park**

Drawing Title  
**Proposed Layout Plan Opt 02**

| Scale    | Sheet | Drawn | Checked | Date     |
|----------|-------|-------|---------|----------|
| 1 : 2000 | A3    | CJ    | IJ      | 19.03.19 |

|                   |             |          |
|-------------------|-------------|----------|
| Status            | Project No. |          |
| PLANNING          | 4046        |          |
| Drawing Reference | Drawing No. | Revision |
|                   | 0152        | G        |



**Key**

-  Cable Percussive Borehole
-  Window Sample Borehole
-  Hand Excavated Trial Pit
-  Trial Pit
-  Soakaway Test Trial Pit

| REV | DATE | DESCRIPTION | BY | CHK | APP |
|-----|------|-------------|----|-----|-----|
|     |      |             |    |     |     |

Client: Malcolm Hollis

Project: Langstone Technology Park Havant

Office: Altrincham

Discipline: Geo-environmental

Title: Exploratory Hole Location Plan

Scale @ A3: NTS      Status:     

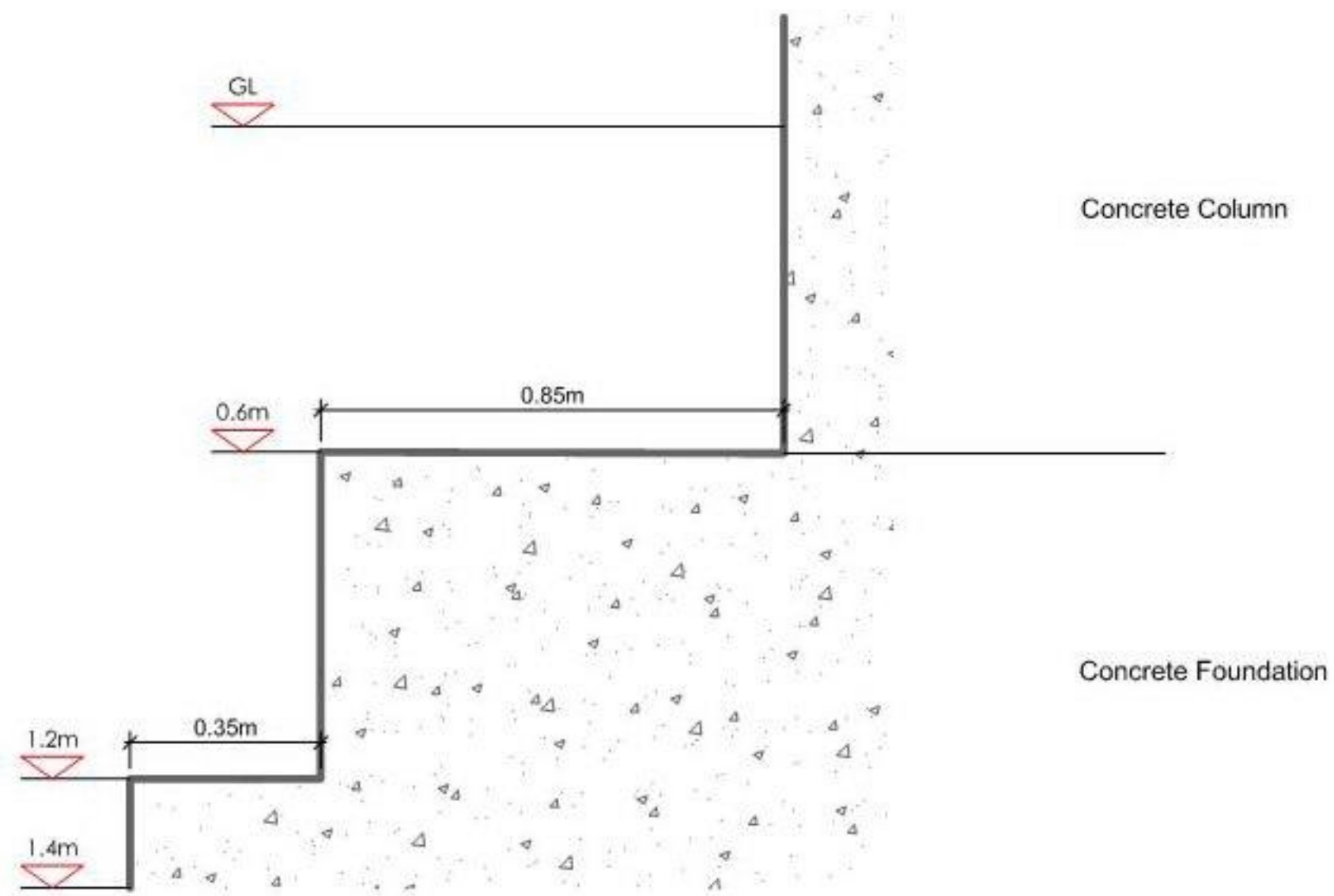
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| Originator | Job Number | Discipline | BuildingZone |
|------------|------------|------------|--------------|
| SHIP       | 10/1425    | GEO        |              |

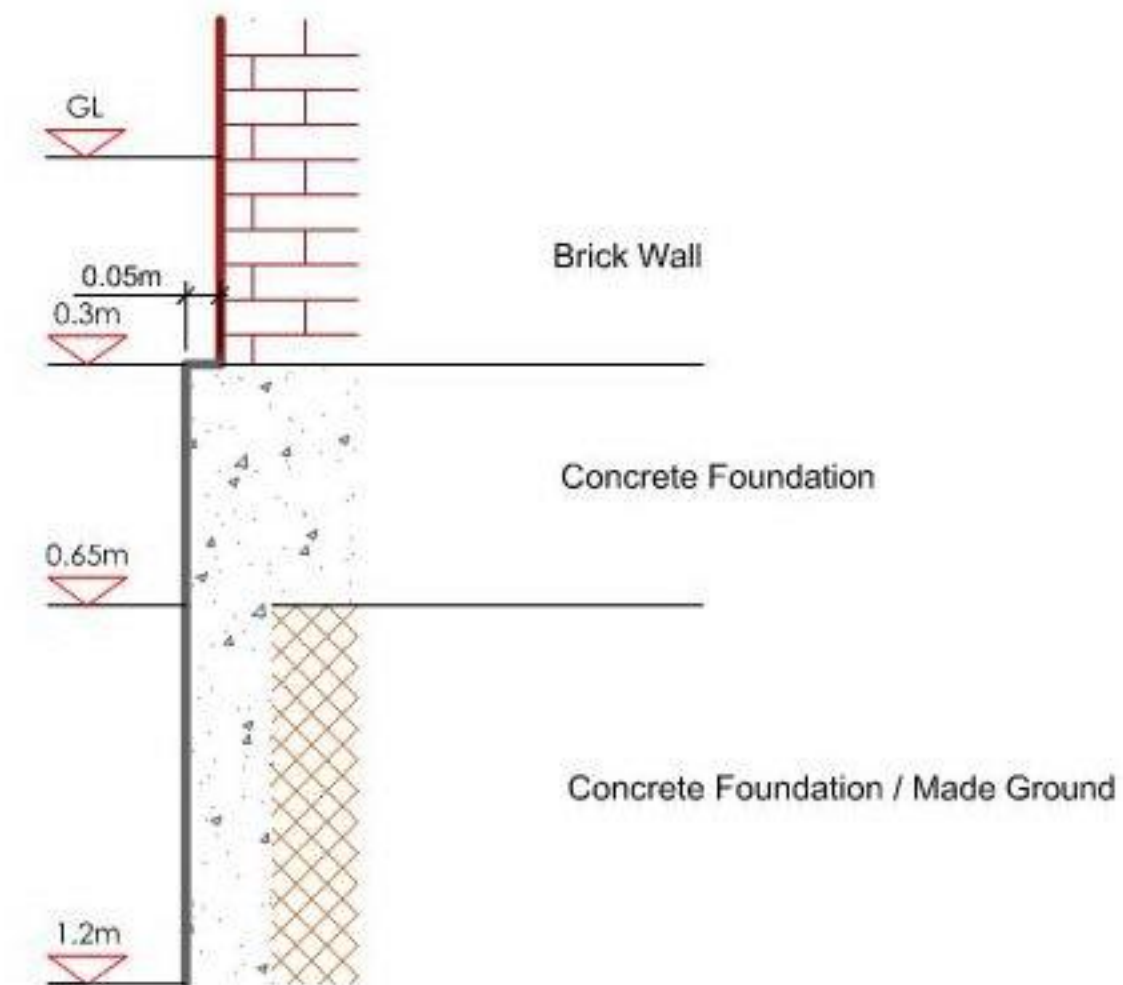
| Type | Level | Drawing No. | Revision |
|------|-------|-------------|----------|
|      |       | 002         | A        |

**HTP1**



Trial pit terminated in Made Ground. Base of foundation not encountered during this investigation.

**HTP2**



Trial pit terminated in Made Ground. Base of foundation encountered at 0.65m bgl in east of trial pit. Base of foundation not encountered in in west of trial pit.  
Trial pit backfilled with arisings.

| REV                                                                                                                                                                                                                                                                                                                                                                                                                                           | DATE       | DESCRIPTION                                           | BY            | CHK    | APP  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------|---------------|--------|------|
| Rev                                                                                                                                                                                                                                                                                                                                                                                                                                           | Date       | Description                                           | By            | Check  | App. |
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| Client                                                                                                                                                                                                                                                                                                                                                                                                                                        |            | Malcolm Hollis                                        |               |        |      |
| Project                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | Langstone Technology Park<br>Havant                   |               |        |      |
| Office                                                                                                                                                                                                                                                                                                                                                                                                                                        |            | Atrincham                                             |               |        |      |
| Discipline                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | Geo-environmental                                     |               |        |      |
| Title                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | Building 6000<br>Hand Excavated<br>Trial Pit Sections |               |        |      |
| Scale @ A3                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | NTS                                                   |               | Status |      |
|  <div>clancy<br/>consulting</div> <p>www.clancy.co.uk</p>                                                                                                                                                                                                                                                                                                |            |                                                       |               |        |      |
| Originator                                                                                                                                                                                                                                                                                                                                                                                                                                    | Job Number | Discipline                                            | Building/Zone |        |      |
| SHP                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10/1425    | GEO                                                   |               |        |      |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                          | Level      | Drawing No.                                           | Revision      |        |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | 004                                                   | A             |        |      |

|                                                                                   |  |                                                  |  |                           |  |                    |  |
|-----------------------------------------------------------------------------------|--|--------------------------------------------------|--|---------------------------|--|--------------------|--|
|  |  | Project Title: Langstone Technology Park, Havant |  |                           |  | <h1>BH1</h1>       |  |
|                                                                                   |  | Project Number: 10/1425                          |  | Client: AG Langstone B.V. |  |                    |  |
|                                                                                   |  | GL (mAOD):                                       |  | N Coord: 50.845214        |  | E Coord: -0.987924 |  |
| Date: 15/07/2019                                                                  |  | Method: Cable Percussion                         |  | Driller: WB Drilling      |  | Logged By: SHP     |  |

| Depth (m)   | Type | Test Result | Level | Legend                                                                            | Depth (m) | Description                                                                                                                                                                                                                                                                                                                                                                                                                                        | Water | Standpipe                                                                           |                                                                                     |
|-------------|------|-------------|-------|-----------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 0.20        | ES   | sb 50/85mm  |       |  | 0.40      | <p>MADE GROUND: Grass over brown silty sandy gravelly clay. Gravel is angular to sub-rounded fine to coarse of flint with fragments of slate and brick. Occasional roots and abundant rootlets towards the top of the unit.</p> <p>MADE GROUND: Greyish white clayey sandy angular to sub-rounded fine to coarse gravel of chalk and flint with fragments of brick.</p> <p>MADE GROUND: Concrete obstruction.</p> <p>End Of Borehole At 1.10 m</p> |       |  |                                                                                     |
| 0.60        | ES   |             |       |  | 1.00      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |  |
| 1.00 - 1.10 | SPT  |             |       |  | 1.10      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |  |
|             |      |             |       |                                                                                   | 2.00      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |                                                                                     |
|             |      |             |       |                                                                                   | 3.00      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |                                                                                     |
|             |      |             |       |                                                                                   | 4.00      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |                                                                                     |
|             |      |             |       |                                                                                   | 5.00      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |                                                                                     |
|             |      |             |       |                                                                                   | 6.00      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |                                                                                     |
|             |      |             |       |                                                                                   | 7.00      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |                                                                                     |
|             |      |             |       |                                                                                   | 8.00      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                     |                                                                                     |

| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br> - Groundwater Strike<br> - Groundwater Level |        | <b>REMARKS</b><br>No Groundwater Encountered<br>Borehole terminated due to concrete obstruction. Borehole backfilled with arisings.<br><br>                                                                             | <b>Water Strikes</b>                                                                                                                                                                                                                                                                                                                                                                     |        |        |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                                                                                                                            | <table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> |        |        |  |  |      | Date   | Strike | Level | Minutes | Casing | Sealed |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strike | Level                                                                                                                                                                                                                                                                                                      | Minutes                                                                                                                                                                                                                                                                                                                                                                                  | Casing | Sealed |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Scale: 1:50</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |        | <b>Daily Log Of Depths</b>                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |        |        |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        | <table border="1"> <thead> <tr> <th>Date</th> <th>Casing</th> <th>Water</th> <th>From</th> <th>To</th> <th>Hours</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> |                                                                                                                                                                                                                                                                                                                                                                                          |        |        |  |  | Date | Casing | Water  | From  | To      | Hours  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Casing | Water                                                                                                                                                                                                                                                                                                      | From                                                                                                                                                                                                                                                                                                                                                                                     | To     | Hours  |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                          |        |        |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                          |        |        |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Depth (m)   | Type | Test Result | Level | Legend | Depth (m) | Description                                                                                                                                                                                                                                                           | Water | Standpipe |
|-------------|------|-------------|-------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| 0.40        |      |             |       |        | 0.40      | MADE GROUND: Grass over brown silty sandy gravelly clay. Gravel is angular to sub-rounded fine to coarse of flint with fragments of slate and brick. Occasional roots and abundant rootlets towards the top of the unit.                                              |       |           |
| 1.20 - 1.65 | SPT  | sb 50/85mm  |       |        | 1.00      |                                                                                                                                                                                                                                                                       |       |           |
| 1.40        | ES   |             |       |        | 1.15      | MADE GROUND: Greyish white clayey sandy angular to sub-rounded fine to coarse gravel of chalk and flint with fragments of brick.                                                                                                                                      |       |           |
|             |      |             |       |        | 1.30      | MADE GROUND: Concrete.                                                                                                                                                                                                                                                |       |           |
| 2.00 - 2.45 | SPT  | N=45        |       |        | 2.00      | MADE GROUND: Void.                                                                                                                                                                                                                                                    |       |           |
|             |      |             |       |        | 2.60      | MADE GROUND: Brown sandy gravelly clay. Gravel is sub-rounded to rounded fine to coarse of flint and concrete with a low cobble content of concrete. Becoming increasingly gravelly with fragments of brick and a medium cobble content towards the base of the unit. |       |           |
| 3.00 - 3.45 | SPT  | pp 50/230mm |       |        | 3.00      |                                                                                                                                                                                                                                                                       |       |           |
| 3.50        | ES   |             |       |        |           | Very dense becoming medium dense light brown sandy very clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk.                                                                                                                                   |       |           |
| 4.00 - 4.45 | SPT  | N=10        |       |        | 4.00      |                                                                                                                                                                                                                                                                       |       |           |
|             |      |             |       |        | 4.30      |                                                                                                                                                                                                                                                                       |       |           |
| 5.00 - 5.45 | SPT  | N=13        |       |        | 5.00      | Firm light brown sandy gravelly CLAY. Gravel is fine to coarse sub-rounded to rounded of flint and chalk.                                                                                                                                                             |       |           |
|             |      |             |       |        | 5.40      |                                                                                                                                                                                                                                                                       |       |           |
| 6.00 - 6.45 | U    |             |       |        | 6.00      | Structureless CHALK composed of uncompact light brownish cream sandy gravelly SILT. Gravel is sub-angular to sub-rounded white. (Grade Dm).                                                                                                                           |       |           |
|             |      |             |       |        | 7.00      |                                                                                                                                                                                                                                                                       |       |           |
| 7.50 - 7.95 | SPT  | N=13        |       |        | 7.50      |                                                                                                                                                                                                                                                                       |       |           |
|             |      |             |       |        | 8.00      | Structureless CHALK composed of uncompact light brownish cream sandy gravelly SILT with low cobble content. Gravel and cobbles are sub-angular to sub-rounded white. Occasional black flecks and flint cobbles. (Grade Dm).                                           |       |           |
|             |      |             |       |        |           | Borehole Continues                                                                                                                                                                                                                                                    |       |           |

## KEY

D - Disturbed Sample  
 B - Bulk Sample  
 U - Undisturbed  
 W - Water Sample  
 S - Standard Penetration Test  
 C - Cone Penetration Test  
 N - Penetration Test 'N' Value  
 V - Hand Shear Vane kPa  
 ▽ - Groundwater Strike  
 ▼ - Groundwater Level



## REMARKS

Groundwater encountered at 4.3m rising to 3.7m. Borehole installed with monitoring well.

Scale: 1:50

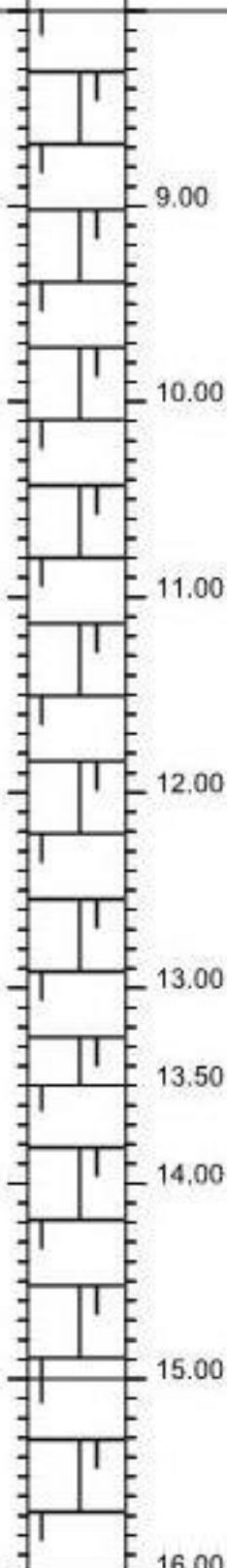
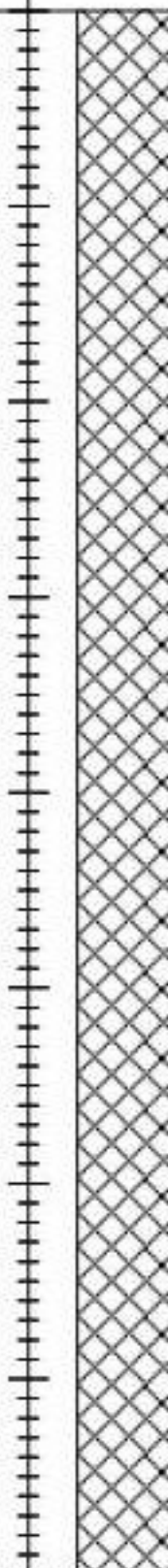
## Water Strikes

| Date       | Strike | Level | Minutes | Casing | Sealed |
|------------|--------|-------|---------|--------|--------|
| 17/07/2019 | 4.3    | 3.7   |         |        |        |
|            |        |       |         |        |        |
|            |        |       |         |        |        |

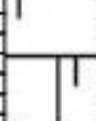
## Daily Log Of Depths

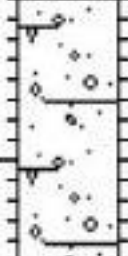
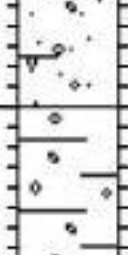
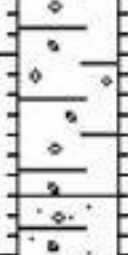
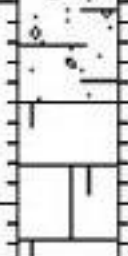
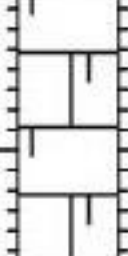
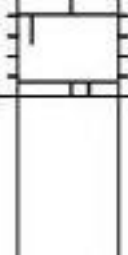
## Chiselling

| Date | Casing | Water | From | To | Hours |
|------|--------|-------|------|----|-------|
|      |        |       |      |    |       |
|      |        |       |      |    |       |

| <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |             | Project Title: Langstone Technology Park, Havant                                                                                              |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BH1A               |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------|--------------|--------|--------|------|--------|-------|---------|--------|--------|------------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|-------|------|----|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             | Project Number: 10/1425                                                                                                                       |                                                                                     | Client: AG Langstone B.V. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      | Sheet 2 Of 4 |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             | GL (mAOD):                                                                                                                                    |                                                                                     | N Coord: 50.845214        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | E Coord: -0.987924 |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date: 15/07/2019-17/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |             | Method: Cable Percussion                                                                                                                      |                                                                                     | Driller: WB Drilling      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Logged By: SHP     |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Type   | Test Result | Level                                                                                                                                         | Legend                                                                              | Depth (m)                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Water              | Standpipe                                                                            |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.00 - 9.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPT    | N=13        |                                                                                                                                               |  | 9.00                      | Structureless CHALK composed of uncompact light brownish cream sandy gravelly SILT with low cobble content. Gravel and cobbles are sub-angular to sub-rounded white. Occasional black flecks and flint cobbles. (Grade Dm).                                                                                                                                                                                                                                                                                                                                                                                                  |                    |  |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.50 - 10.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | U      |             |                                                                                                                                               |                                                                                     | 10.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     | 11.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12.00 - 12.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SPT    | N=9         |                                                                                                                                               |                                                                                     | 12.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     | 13.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13.50 - 13.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SPT    | N=16        |                                                                                                                                               |                                                                                     | 13.50                     | Structureless CHALK composed of uncompact light brownish cream gravelly sandy SILT. Gravel is sub-angular to sub-rounded light brownish cream with occasional black flecks. (Grade Dm).                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     | 14.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14.50 - 14.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | U      |             |                                                                                                                                               |                                                                                     |                           | Structureless CHALK comprised of uncompact whitish cream slightly sandy slightly gravelly SILT. Gravel is sub-angular to sub-rounded whitish cream with very rare black flecks. (Grade Dm).                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.00 - 15.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SPT    | N=16        |                                                                                                                                               |                                                                                     | 15.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     | 16.00                     | Borehole Continues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div>KEY</div> <div>D - Disturbed Sample</div> <div>B - Bulk Sample</div> <div>U - Undisturbed</div> <div>W - Water Sample</div> <div>S - Standard Penetration Test</div> <div>C - Cone Penetration Test</div> <div>N - Penetration Test 'N' Value</div> <div>V - Hand Shear Vane kPa</div> <div> - Groundwater Strike</div> <div> - Groundwater Level</div> <div></div> |        |             | <div>REMARKS</div> <div>Groundwater encountered at 4.3m rising to 3.7m. Borehole installed with monitoring well.</div> <div>Scale: 1:50</div> |                                                                                     |                           | <div>Water Strikes</div> <table><tr><th>Date</th><th>Strike</th><th>Level</th><th>Minutes</th><th>Casing</th><th>Sealed</th></tr><tr><td>17/07/2019</td><td>4.3</td><td>3.7</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>Daily Log Of Depths</div> <table><tr><th>Date</th><th>Casing</th><th>Water</th><th>From</th><th>To</th><th>Hours</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |                    |                                                                                      |              |        |        | Date | Strike | Level | Minutes | Casing | Sealed | 17/07/2019 | 4.3 | 3.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Date | Casing | Water | From | To | Hours |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     |                           | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Strike             | Level                                                                                | Minutes      | Casing | Sealed |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     |                           | 17/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4.3                | 3.7                                                                                  |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Casing | Water       | From                                                                                                                                          |                                                                                     | To                        | Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                                               |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                                                                                      |              |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |

| <div></div>                                                                                                                                                                                                                                                                                                   |      |             | Project Title: Langstone Technology Park, Havant                                                                                              |        |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BH1A               |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|---------|--------|--------|------|--------|-------|---------|--------|--------|------------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|-------|------|----|-------|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             | Project Number: 10/1425                                                                                                                       |        | Client: AG Langstone B.V. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             | GL (mAOD):                                                                                                                                    |        | N Coord: 50.845214        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E Coord: -0.987924 |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Date: 15/07/2019-17/07/2019                                                                                                                                                                                                                                                                                                                                                                    |      |             | Method: Cable Percussion                                                                                                                      |        | Driller: WB Drilling      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Logged By: SHP     |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                      | Type | Test Result | Level                                                                                                                                         | Legend | Depth (m)                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Water              | Standpipe |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 16.50 - 16.95                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | N=22        |                                                                                                                                               |        | 17.00                     | Structureless CHALK comprised of uncompact whitish cream slightly sandy slightly gravelly SILT. Gravel is sub-angular to sub-rounded whitish cream with very rare black flecks. (Grade Dm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 18.00 - 18.45                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | N=26        |                                                                                                                                               |        | 18.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        | 19.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 19.50 - 19.95                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | N=28        |                                                                                                                                               |        | 20.00                     | 19.50 - 21.00 Gravel of subangular black flint.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        | 21.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 21.00 - 21.45                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | pp 50/195mm |                                                                                                                                               |        | 22.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 22.00 - 22.45                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | pp 50/220mm |                                                                                                                                               |        | 23.00                     | Structureless CHALK comprised of uncompact whitish cream slightly sandy gravelly SILT. Gravel is sub-angular black flint. (Grade Dm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        | 23.50                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 23.50 - 23.95                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | pp 50/210mm |                                                                                                                                               |        | 24.00                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           | Structureless CHALK comprised of uncompact whitish cream slightly sandy slightly gravelly SILT. Gravel is sub-angular to sub-rounded white with common black flecks. (Grade Dm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           | Borehole Continues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| <div>KEY</div> <div>D - Disturbed Sample<br/>B - Bulk Sample<br/>U - Undisturbed<br/>W - Water Sample<br/>S - Standard Penetration Test<br/>C - Cone Penetration Test<br/>N - Penetration Test 'N' Value<br/>V - Hand Shear Vane kPa<br/>▽ - Groundwater Strike<br/>▼ - Groundwater Level</div> <div></div> |      |             | <div>REMARKS</div> <div>Groundwater encountered at 4.3m rising to 3.7m. Borehole installed with monitoring well.</div> <div>Scale: 1:50</div> |        |                           | <div>Water Strikes</div> <table><tr><th>Date</th><th>Strike</th><th>Level</th><th>Minutes</th><th>Casing</th><th>Sealed</th></tr><tr><td>17/07/2019</td><td>4.3</td><td>3.7</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div><div>Daily Log Of Depths</div><div>Chiselling</div><table><tr><th>Date</th><th>Casing</th><th>Water</th><th>From</th><th>To</th><th>Hours</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div> |                    |           |         |        |        | Date | Strike | Level | Minutes | Casing | Sealed | 17/07/2019 | 4.3 | 3.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Date | Casing | Water | From | To | Hours |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Strike             | Level     | Minutes | Casing | Sealed |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           | 17/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.3                | 3.7       |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Casing             | Water     | From    | To     | Hours  |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                               |        |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |           |         |        |        |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |

|                                                                                                                                                                                                                                                                                                                                                               |        | Project Title: Langstone Technology Park, Havant |                                                                                                                                                                                                           |                                                                                   |           | <h1>BH1A</h1>                                                                                                                                                                                                                                                                                                                                                                                                                  |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|------|--------|-------|---------|--------|--------|------------|-----|-----|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------|----|-------|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        | Project Number: 10/1425                          |                                                                                                                                                                                                           | Client: AG Langstone B.V.                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        | GL (mAOD):                                       |                                                                                                                                                                                                           | N Coord: 50.845214                                                                |           | E Coord: -0.987924                                                                                                                                                                                                                                                                                                                                                                                                             |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
| Date: 15/07/2019-17/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                    |        | Method: Cable Percussion                         |                                                                                                                                                                                                           | Driller: WB Drilling                                                              |           | Logged By: SHP                                                                                                                                                                                                                                                                                                                                                                                                                 |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                                                                      | Type   | Test Result                                      | Level                                                                                                                                                                                                     | Legend                                                                            | Depth (m) | Description                                                                                                                                                                                                                                                                                                                                                                                                                    | Water | Standpipe                                                                           |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
| 24.50 - 24.85                                                                                                                                                                                                                                                                                                                                                                                                                                  | SPT    | pp 50/225mm                                      |                                                                                                                                                                                                           |  | 25.00     | Structureless CHALK comprised of uncompact whitish cream slightly sandy slightly gravelly SILT. Gravel is sub-angular to sub-rounded white with common black flecks. (Grade Dm).                                                                                                                                                                                                                                               |       |  |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   | 26.00     | End Of Borehole At 24.95 m                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   | 27.00     |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   | 28.00     |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   | 29.00     |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   | 30.00     |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   | 31.00     |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   | 32.00     |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br> - Groundwater Strike<br> - Groundwater Level |        |                                                  | <b>REMARKS</b><br><br>Groundwater encountered at 4.3m rising to 3.7m. Borehole installed with monitoring well.<br><br> |                                                                                   |           | <b>Water Strikes</b> <table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr> <td>17/07/2019</td> <td>4.3</td> <td>3.7</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> |       |                                                                                     | Date | Strike | Level | Minutes | Casing | Sealed | 17/07/2019 | 4.3 | 3.7 |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strike | Level                                            | Minutes                                                                                                                                                                                                   | Casing                                                                            | Sealed    |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
| 17/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4.3    | 3.7                                              |                                                                                                                                                                                                           |                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
| <b>Daily Log Of Depths</b> <table border="1"> <thead> <tr> <th>Date</th> <th>Casing</th> <th>Water</th> <th>From</th> <th>To</th> <th>Hours</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>                                                                                                          |        |                                                  | Date                                                                                                                                                                                                      | Casing                                                                            | Water     | From                                                                                                                                                                                                                                                                                                                                                                                                                           | To    | Hours                                                                               |      |        |       |         |        |        |            |     |     |  |  |  | <b>Chiselling</b> <table border="1"> <thead> <tr> <th>From</th> <th>To</th> <th>Hours</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> |  |  | From | To | Hours |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Casing | Water                                            | From                                                                                                                                                                                                      | To                                                                                | Hours     |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                           | To     | Hours                                            |                                                                                                                                                                                                           |                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                  |                                                                                                                                                                                                           |                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                                                                     |      |        |       |         |        |        |            |     |     |  |  |  |                                                                                                                                                                                                                     |  |  |      |    |       |  |  |  |  |  |  |

|                                                                                              |      |             |                                                  |                                                                                     |                           |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |
|----------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|
| <div></div> |      |             | Project Title: Langstone Technology Park, Havant |                                                                                     |                           |                                                                                                                                                                                                                        | BH2                                                                                   |                                                                                      |  |
|                                                                                              |      |             | Project Number: 10/1425                          |                                                                                     | Client: AG Langstone B.V. |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |
|                                                                                              |      |             | GL (mAOD):                                       |                                                                                     | N Coord: 50.845665        |                                                                                                                                                                                                                        | E Coord: -0.989051                                                                    |                                                                                      |  |
| Date: 17/07/2019-18/07/2019                                                                  |      |             | Method: Cable Percussion                         |                                                                                     | Driller: WB Drilling      |                                                                                                                                                                                                                        | Logged By: SHP                                                                        |                                                                                      |  |
| Depth (m)                                                                                    | Type | Test Result | Level                                            | Legend                                                                              | Depth (m)                 | Description                                                                                                                                                                                                            | Water                                                                                 | Standpipe                                                                            |  |
| 1.20 - 1.65                                                                                  | C    | N=16        |                                                  |    | 0.10                      | MADE GROUND: Tarmac.                                                                                                                                                                                                   |  |  |  |
|                                                                                              |      |             |                                                  |                                                                                     | 0.25                      | MADE GROUND: Greyish brown sandy angular to sub-angular fine to coarse gravel of limestone.                                                                                                                            |                                                                                       |                                                                                      |  |
| 2.00 - 2.45                                                                                  | C    | N=10        |                                                  |   | 1.00                      | MADE GROUND: Brown sandy sub-rounded to rounded fine to coarse gravel of flint.                                                                                                                                        |                                                                                       |                                                                                      |  |
|                                                                                              |      |             |                                                  |                                                                                     | 1.20                      | medium dense brown becoming light brown clayey very sandy sub-rounded fine to coarse to rounded GRAVEL of flint with a low cobble content of flint.                                                                    |                                                                                       |                                                                                      |  |
| 3.00 - 3.45                                                                                  | C    | N=2         |                                                  |  | 2.00                      | Very soft white gravelly CLAY. Gravel is angular to sub-rounded fine to coarse of flint and chalk.                                                                                                                     |                                                                                       |                                                                                      |  |
|                                                                                              |      |             |                                                  |                                                                                     | 3.00                      |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |
| 4.00 - 4.45                                                                                  | C    | N=4         |                                                  |  | 4.00                      | Brown sandy gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.                                                                                                                               |                                                                                       |                                                                                      |  |
|                                                                                              |      |             |                                                  |                                                                                     | 4.70                      |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |
| 5.00 - 5.45                                                                                  | U    |             |                                                  |  | 5.00                      | Structureless CHALK composed of uncompact yellowish cream gravelly sandy SILT with a low cobble content. Gravel and cobbles are subangular to sub-rounded greyish white chalk and sub-angular black flint. (Grade Dm). |                                                                                       |                                                                                      |  |
|                                                                                              |      |             |                                                  |                                                                                     | 5.50                      |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |
| 6.00 - 6.45                                                                                  | SPT  | N=17        |                                                  |  | 6.00                      | Borehole Continues                                                                                                                                                                                                     |                                                                                       |                                                                                      |  |
|                                                                                              |      |             |                                                  |                                                                                     | 7.00                      |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |
| 7.50 - 7.95                                                                                  | U    |             |                                                  |  | 8.00                      |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |
|                                                                                              |      |             |                                                  |                                                                                     |                           |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |
|                                                                                              |      |             |                                                  |                                                                                     |                           |                                                                                                                                                                                                                        |                                                                                       |                                                                                      |  |

KEY

D - Disturbed Sample  
B - Bulk Sample  
U - Undisturbed  
W - Water Sample  
S - Standard Penetration Test  
C - Cone Penetration Test  
N - Penetration Test 'N' Value  
V - Hand Shear Vane kPa  
 - Groundwater Strike  
 - Groundwater Level

REMARKS

Groundwater encountered at 2.5m rising to 2.3m. Borehole backfilled with arisings.



Scale: 1:50

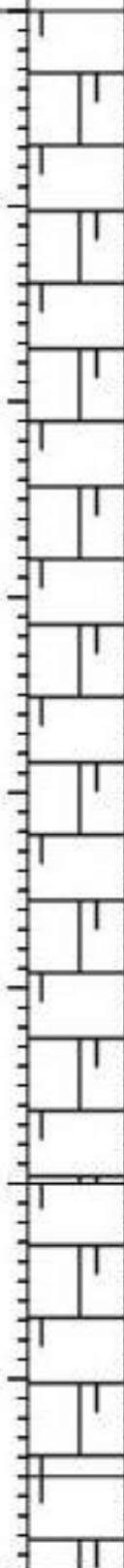
Water Strikes

| Date       | Strike | Level | Minutes | Casing | Sealed |
|------------|--------|-------|---------|--------|--------|
| 29/07/2019 | 2.5    | 2.3   |         |        |        |
|            |        |       |         |        |        |
|            |        |       |         |        |        |

Daily Log Of Depths

Chiselling

| Date | Casing | Water | From | To | Hours |
|------|--------|-------|------|----|-------|
|      |        |       |      |    |       |
|      |        |       |      |    |       |

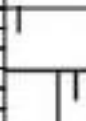
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------|--------------|---------|--------|--------|--|--|--|--|
|                                                                                                                                                                                                                                                                                  |        |             | Project Title: Langstone Technology Park, Havant                                                                            |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        | BH2                                                                                  |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             | Project Number: 10/1425                                                                                                     |                                                                                    | Client: AG Langstone B.V.                                                                                                                                                               |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        | Sheet 2 Of 4 |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             | GL (mAOD):                                                                                                                  |                                                                                    | N Coord: 50.845665                                                                                                                                                                      |                                                                                                                                                                                                                        | E Coord: -0.989051                                                                   |                                                                                      |        |              |         |        |        |  |  |  |  |
| Date: 17/07/2019-18/07/2019                                                                                                                                                                                                                                                                                                                                       |        |             | Method: Cable Percussion                                                                                                    |                                                                                    | Driller: WB Drilling                                                                                                                                                                    |                                                                                                                                                                                                                        | Logged By: SHP                                                                       |                                                                                      |        |              |         |        |        |  |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                         | Type   | Test Result | Level                                                                                                                       | Legend                                                                             | Depth (m)                                                                                                                                                                               | Description                                                                                                                                                                                                            | Water                                                                                | Standpipe                                                                            |        |              |         |        |        |  |  |  |  |
| 9.00 - 9.45                                                                                                                                                                                                                                                                                                                                                       | SPT    | N=13        |                                                                                                                             |  | 9.00                                                                                                                                                                                    | Structureless CHALK composed of uncompact yellowish cream gravelly sandy SILT with a low cobble content. Gravel and cobbles are subangular to sub-rounded greyish white chalk and sub-angular black flint. (Grade Dm). |  |  |        |              |         |        |        |  |  |  |  |
| 10.50 - 10.95                                                                                                                                                                                                                                                                                                                                                     | SPT    | N=13        | 10.00                                                                                                                       |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             | 11.00                                                                                                                       |                                                                                    | 10.50 - 14.00 No cobble content.                                                                                                                                                        |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             | 12.00                                                                                                                       |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
| 12.50 - 12.95                                                                                                                                                                                                                                                                                                                                                     | SPT    | N=15        | 13.00                                                                                                                       |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             | 14.00                                                                                                                       |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
| 14.00 - 14.45                                                                                                                                                                                                                                                                                                                                                     | SPT    | N=15        | 15.00                                                                                                                       |                                                                                    | Structureless CHALK composed of uncompact whitish cream gravelly sandy SILT. Gravel is sub-angular to sub-rounded greyish white with occasional black flecks. (Grade Dm).               |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             | 15.50                                                                                                                       |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
| 15.50 - 15.95                                                                                                                                                                                                                                                                                                                                                     | SPT    | N=17        | 16.00                                                                                                                       |                                                                                    | Structureless CHALK composed of uncompact light brownish cream gravelly sandy SILT. Gravel is sub-angular to sub-rounded light brownish cream with occasional black flecks. (Grade Dm). |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         | Borehole Continues                                                                                                                                                                                                     |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br>▽ - Groundwater Strike<br>▼ - Groundwater Level<br> |        |             | <b>REMARKS</b><br><br>Groundwater encountered at 2.5m rising to 2.3m. Borehole backfilled with arisings.<br><br>Scale: 1:50 |                                                                                    |                                                                                                                                                                                         | <b>Water Strikes</b>                                                                                                                                                                                                   |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         | Date                                                                                                                                                                                                                   |                                                                                      |                                                                                      | Strike | Level        | Minutes | Casing | Sealed |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         | 29/07/2019                                                                                                                                                                                                             |                                                                                      |                                                                                      | 2.5    | 2.3          |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
| <b>Daily Log Of Depths</b>                                                                                                                                                                                                                                                                                                                                        |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         | <b>Chiselling</b>                                                                                                                                                                                                      |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                              | Casing | Water       |                                                                                                                             |                                                                                    |                                                                                                                                                                                         | From                                                                                                                                                                                                                   |                                                                                      |                                                                                      | To     | Hours        |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                                                                                             |                                                                                    |                                                                                                                                                                                         |                                                                                                                                                                                                                        |                                                                                      |                                                                                      |        |              |         |        |        |  |  |  |  |

|                                                                                   |      |             |                                                  |        |                           |                                                                                                                                                                                                   |                    |           |  |
|-----------------------------------------------------------------------------------|------|-------------|--------------------------------------------------|--------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|--|
|  |      |             | Project Title: Langstone Technology Park, Havant |        |                           |                                                                                                                                                                                                   | BH2                |           |  |
|                                                                                   |      |             | Project Number: 10/1425                          |        | Client: AG Langstone B.V. |                                                                                                                                                                                                   |                    |           |  |
|                                                                                   |      |             | GL (mAOD):                                       |        | N Coord: 50.845665        |                                                                                                                                                                                                   | E Coord: -0.989051 |           |  |
| Date: 17/07/2019-18/07/2019                                                       |      |             | Method: Cable Percussion                         |        | Driller: WB Drilling      |                                                                                                                                                                                                   | Logged By: SHP     |           |  |
| Depth (m)                                                                         | Type | Test Result | Level                                            | Legend | Depth (m)                 | Description                                                                                                                                                                                       | Water              | Standpipe |  |
| 17.00 - 17.45                                                                     | U    |             |                                                  |        | 17.00                     | Structureless CHALK composed of uncompact light brownish cream gravelly sandy SILT. Gravel is sub-angular to sub-rounded light brownish cream with occasional black flecks. (Grade Dm).           |                    |           |  |
|                                                                                   |      |             |                                                  |        | 18.00                     |                                                                                                                                                                                                   |                    |           |  |
| 18.50 - 18.95                                                                     | SPT  | pp 50/215mm |                                                  |        | 18.50                     | Structureless CHALK composed of uncompact light greyish white gravelly sightly sandy SILT. Gravel is sub-angular to sub-rounded light greyish white with occasional black flecks. (Grade Dm).     |                    |           |  |
|                                                                                   |      |             |                                                  |        | 19.00                     |                                                                                                                                                                                                   |                    |           |  |
| 20.00 - 20.45                                                                     | SPT  | pp 50/190mm |                                                  |        | 20.00                     | Structureless CHALK composed of uncompact light greyish white gravelly sightly sandy SILT. Gravel is sub-angular to sub-rounded light greyish white chalk and subangular black flint. (Grade Dm). |                    |           |  |
|                                                                                   |      |             |                                                  |        | 21.00                     |                                                                                                                                                                                                   |                    |           |  |
| 21.50 - 21.95                                                                     | SPT  | pp 50/195mm |                                                  |        | 21.50                     |                                                                                                                                                                                                   |                    |           |  |
|                                                                                   |      |             |                                                  |        | 22.00                     | Borehole Continues                                                                                                                                                                                |                    |           |  |
| 23.00 - 23.45                                                                     | SPT  | pp 50/180mm |                                                  |        | 23.00                     |                                                                                                                                                                                                   |                    |           |  |
|                                                                                   |      |             |                                                  |        | 24.00                     |                                                                                                                                                                                                   |                    |           |  |
|                                                                                   |      |             |                                                  |        |                           |                                                                                                                                                                                                   |                    |           |  |

|                                                                                                                                                                                                                                                                            |  |                                                                                                                             |  |                            |        |       |                   |        |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|--|----------------------------|--------|-------|-------------------|--------|--------|
| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br>▽ - Groundwater Strike<br>▼ - Groundwater Level |  | <b>REMARKS</b><br><br>Groundwater encountered at 2.5m rising to 2.3m. Borehole backfilled with arisings.<br><br>Scale: 1:50 |  | <b>Water Strikes</b>       |        |       |                   |        |        |
|                                                                                                                                                                                                                                                                            |  |                                                                                                                             |  | Date                       | Strike | Level | Minutes           | Casing | Sealed |
|                                                                                                                                                                                                                                                                            |  |                                                                                                                             |  | 29/07/2019                 | 2.5    | 2.3   |                   |        |        |
|                                                                                                                                                                                                                                                                            |  |                                                                                                                             |  |                            |        |       |                   |        |        |
|                                                                                                                                                                                                                                                                            |  |                                                                                                                             |  |                            |        |       |                   |        |        |
|                                                                                                                                                                                         |  | Scale: 1:50                                                                                                                 |  | <b>Daily Log Of Depths</b> |        |       | <b>Chiselling</b> |        |        |
|                                                                                                                                                                                                                                                                            |  |                                                                                                                             |  | Date                       | Casing | Water | From              | To     | Hours  |
|                                                                                                                                                                                                                                                                            |  |                                                                                                                             |  |                            |        |       |                   |        |        |

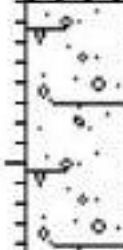
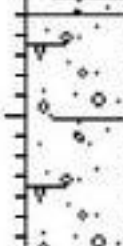
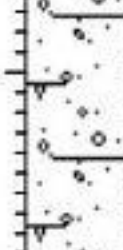
|                                                                                   |  |                                                  |  |                           |  |                    |  |
|-----------------------------------------------------------------------------------|--|--------------------------------------------------|--|---------------------------|--|--------------------|--|
|  |  | Project Title: Langstone Technology Park, Havant |  |                           |  | <h1>BH2</h1>       |  |
|                                                                                   |  | Project Number: 10/1425                          |  | Client: AG Langstone B.V. |  |                    |  |
|                                                                                   |  | GL (mAOD):                                       |  | N Coord: 50.845665        |  | E Coord: -0.989051 |  |
| Date: 17/07/2019-18/07/2019                                                       |  | Method: Cable Percussion                         |  | Driller: WB Drilling      |  | Logged By: SHP     |  |

| Depth (m)     | Type | Test Result | Level | Legend                                                                            | Depth (m) | Description                                                                                                                                                                                                                         | Water | Standpipe                                                                           |
|---------------|------|-------------|-------|-----------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|
| 24.50 - 24.70 | SPT  | pp 50/215mm |       |  | 24.70     | Structureless CHALK composed of uncompact light greyish white gravelly sightly sandy SILT. Gravel is sub-angular to sub-rounded light greyish white chalk and subangular black flint. (Grade Dm).<br><br>End Of Borehole At 24.70 m |       |  |
|               |      |             |       |                                                                                   | 25.00     |                                                                                                                                                                                                                                     |       |                                                                                     |
|               |      |             |       |                                                                                   | 26.00     |                                                                                                                                                                                                                                     |       |                                                                                     |
|               |      |             |       |                                                                                   | 27.00     |                                                                                                                                                                                                                                     |       |                                                                                     |
|               |      |             |       |                                                                                   | 28.00     |                                                                                                                                                                                                                                     |       |                                                                                     |
|               |      |             |       |                                                                                   | 29.00     |                                                                                                                                                                                                                                     |       |                                                                                     |
|               |      |             |       |                                                                                   | 30.00     |                                                                                                                                                                                                                                     |       |                                                                                     |
|               |      |             |       |                                                                                   | 31.00     |                                                                                                                                                                                                                                     |       |                                                                                     |
|               |      |             |       |                                                                                   | 32.00     |                                                                                                                                                                                                                                     |       |                                                                                     |
|               |      |             |       |                                                                                   |           |                                                                                                                                                                                                                                     |       |                                                                                     |

| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br> - Groundwater Strike<br> - Groundwater Level |        | <b>REMARKS</b><br><br>Groundwater encountered at 2.5m rising to 2.3m. Borehole backfilled with arisings.<br><br> |         | <b>Water Strikes</b>                                                                                                                                                                                                                                                                                                                                                                                        |        |  |                   |        |       |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|-------------------|--------|-------|------|--------|-------|---------|--------|--------|------------|-----|-----|--|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------|--------|-------|---------|--------|--------|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |         | <table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr> <td>29/07/2019</td> <td>2.5</td> <td>2.3</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |        |  |                   |        |       | Date | Strike | Level | Minutes | Casing | Sealed | 29/07/2019 | 2.5 | 2.3 |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strike | Level                                                                                                                                                                                               | Minutes | Casing                                                                                                                                                                                                                                                                                                                                                                                                      | Sealed |  |                   |        |       |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
| 29/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.5    | 2.3                                                                                                                                                                                                 |         |                                                                                                                                                                                                                                                                                                                                                                                                             |        |  |                   |        |       |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                                                                             |        |  |                   |        |       |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                                                                             |        |  |                   |        |       |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        | Scale: 1:50                                                                                                                                                                                         |         | <b>Daily Log Of Depths</b>                                                                                                                                                                                                                                                                                                                                                                                  |        |  | <b>Chiselling</b> |        |       |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |         | <table border="1"> <thead> <tr> <th>Date</th> <th>Casing</th> <th>Water</th> <th>From</th> <th>To</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>                                                                                                |        |  | Date              | Casing | Water | From | To     | Hours |         |        |        |            |     |     |  |  |  |  |  |  | <table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |  |  | Date | Strike | Level | Minutes | Casing | Sealed |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Casing | Water                                                                                                                                                                                               | From    | To                                                                                                                                                                                                                                                                                                                                                                                                          | Hours  |  |                   |        |       |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
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| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strike | Level                                                                                                                                                                                               | Minutes | Casing                                                                                                                                                                                                                                                                                                                                                                                                      | Sealed |  |                   |        |       |      |        |       |         |        |        |            |     |     |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                      |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |
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| <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |             | Project Title: Langstone Technology Park, Havant |                                                                                     |                                                                                                                                |                                                                                                                                                                      | BH3                                                                                  |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|--------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|---------|--------|--------|------|--------|-------|---------|--------|--------|------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|------|--------|-------|------|----|-------|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             | Project Number: 10/1425                          |                                                                                     | Client: AG Langstone B.V.                                                                                                      |                                                                                                                                                                      |                                                                                      |                                                                                      | Sheet 1 Of 3 |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             | GL (mAOD):                                       |                                                                                     | N Coord: 50.844665                                                                                                             |                                                                                                                                                                      | E Coord: -0.991222                                                                   |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Date: 22/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |             | Method: Cable Percussion                         |                                                                                     | Driller: WB Drilling                                                                                                           |                                                                                                                                                                      | Logged By: SHP                                                                       |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Type   | Test Result | Level                                            | Legend                                                                              | Depth (m)                                                                                                                      | Description                                                                                                                                                          | Water                                                                                | Standpipe                                                                            |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ES     | N=25        |                                                  |    | 0.15                                                                                                                           | MADE GROUND: Tarmac.                                                                                                                                                 |  |  |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ES     |             |                                                  |                                                                                     | 0.60                                                                                                                           | MADE GROUND: Brown slightly clayey sandy angular to sub-angular fine to coarse gravel of limestone (sandy base).                                                     |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 - 1.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPT    |             |                                                  |                                                                                     | 1.00                                                                                                                           | MADE GROUND: Greyish brown gravelly sandy silty clay. Gravel is angular to sub-rounded fine to coarse of flint and brick with fragments of slate.                    |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                  |                                                                                     | 1.20                                                                                                                           | Medium dense brown clayey sandy sub-rounded fine to coarse GRAVEL of flint.                                                                                          |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 - 2.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPT    | N=21        |                                                  |   | 2.00                                                                                                                           | Medium dense light brown clayey sandy sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk.                                                           |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                  | 2.50                                                                                |                                                                                                                                |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 - 3.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPT    | N=20        |                                                  | 3.00                                                                                |                                                                                                                                |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 - 4.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPT    | N=28        |                                                  |  | 4.00                                                                                                                           | Structureless CHALK composed of uncompact greyish white gravelly slightly sandy SILT. Gravel is sub-angular to sub-rounded white with rare black specks. (Grade Dm). |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                  | 5.00                                                                                |                                                                                                                                |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 - 5.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPT    | N=17        |                                                  | 5.10                                                                                |                                                                                                                                |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 - 6.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPT    | N=13        |                                                  |  | 6.00                                                                                                                           | Borehole Continues                                                                                                                                                   |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                  | 7.00                                                                                |                                                                                                                                |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.50 - 7.95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D      | N=12        |                                                  | 8.00                                                                                |                                                                                                                                |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                  |                                                                                     |                                                                                                                                |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| <div>KEY</div> <div>D - Disturbed Sample</div> <div>B - Bulk Sample</div> <div>U - Undisturbed</div> <div>W - Water Sample</div> <div>S - Standard Penetration Test</div> <div>C - Cone Penetration Test</div> <div>N - Penetration Test 'N' Value</div> <div>V - Hand Shear Vane kPa</div> <div> - Groundwater Strike</div> <div> - Groundwater Level</div> <div></div> |        |             |                                                  |                                                                                     | <div>REMARKS</div> <div>Groundwater encountered at 2.0m. Borehole installed with monitoring well.</div> <div>Scale: 1:50</div> |                                                                                                                                                                      |                                                                                      |                                                                                      |              | <div>Water Strikes</div> <table><tr><th>Date</th><th>Strike</th><th>Level</th><th>Minutes</th><th>Casing</th><th>Sealed</th></tr><tr><td>25/07/2019</td><td>2</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |        |       |         |        |        | Date | Strike | Level | Minutes | Casing | Sealed | 25/07/2019 | 2 |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             |                                                  |                                                                                     |                                                                                                                                |                                                                                                                                                                      |                                                                                      |                                                                                      |              | Date                                                                                                                                                                                                                                                                                                                                              | Strike | Level | Minutes | Casing | Sealed |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
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| <div>Daily Log Of Depths</div> <table><tr><th>Date</th><th>Casing</th><th>Water</th><th>From</th><th>To</th><th>Hours</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                             |        |             |                                                  |                                                                                     |                                                                                                                                | Date                                                                                                                                                                 | Casing                                                                               | Water                                                                                | From         | To                                                                                                                                                                                                                                                                                                                                                | Hours  |       |         |        |        |      |        |       |         |        |        |            |   | <div>Chiselling</div> <table><tr><th>Date</th><th>Casing</th><th>Water</th><th>From</th><th>To</th><th>Hours</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |  |  |  |  |  | Date | Casing | Water | From | To | Hours |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Casing | Water       | From                                             | To                                                                                  | Hours                                                                                                                          |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
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| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Casing | Water       | From                                             | To                                                                                  | Hours                                                                                                                          |                                                                                                                                                                      |                                                                                      |                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                   |        |       |         |        |        |      |        |       |         |        |        |            |   |                                                                                                                                                                                                                                                              |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
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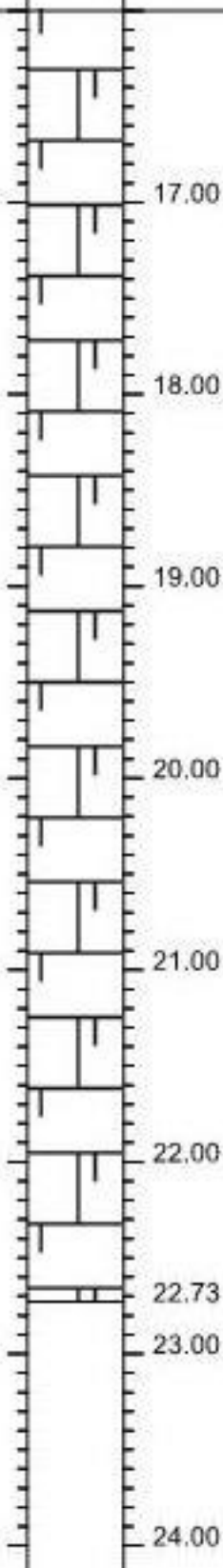
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|-----------------------------------------------------------------------------------|--|--------------------------------------------------|--|---------------------------|--|--------------------|--|
|  |  | Project Title: Langstone Technology Park, Havant |  |                           |  | <h1>BH3</h1>       |  |
|                                                                                   |  | Project Number: 10/1425                          |  | Client: AG Langstone B.V. |  |                    |  |
|                                                                                   |  | GL (mAOD):                                       |  | N Coord: 50.844665        |  | E Coord: -0.991222 |  |
| Date: 22/07/2019                                                                  |  | Method: Cable Percussion                         |  | Driller: WB Drilling      |  | Logged By: SHP     |  |

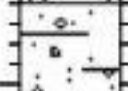
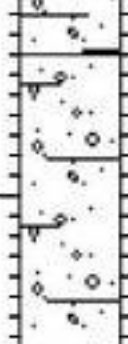
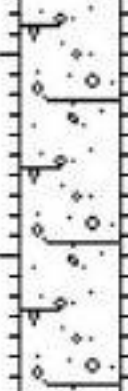
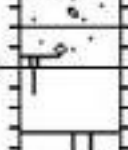
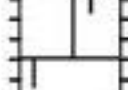
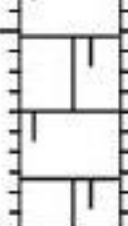
  

| Depth (m)     | Type | Test Result | Level | Legend | Depth (m) | Description                                                                                                                                                          | Water | Standpipe |
|---------------|------|-------------|-------|--------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
|               |      |             |       |        |           | Structureless CHALK composed of uncompact greyish white gravelly slightly sandy SILT. Gravel is sub-angular to sub-rounded white with rare black specks. (Grade Dm). |       |           |
| 10.50 - 10.95 | SPT  | N=21        |       |        | 9.00      |                                                                                                                                                                      |       |           |
|               |      |             |       |        | 10.00     |                                                                                                                                                                      |       |           |
| 12.00 - 12.45 | SPT  | N=18        |       |        | 11.00     |                                                                                                                                                                      |       |           |
|               |      |             |       |        | 12.00     |                                                                                                                                                                      |       |           |
| 13.50 - 13.95 | SPT  | N=18        |       |        | 13.00     | 13.00 Flint cobble.                                                                                                                                                  |       |           |
|               |      |             |       |        | 13.50     |                                                                                                                                                                      |       |           |
| 15.00 - 15.45 | SPT  | N=26        |       |        | 14.00     | Structureless CHALK composed of uncompact greyish white very gravelly slightly sandy SILT. Gravel is sub-angular to sub-rounded white. (Grade Dm).                   |       |           |
|               |      |             |       |        | 15.00     |                                                                                                                                                                      |       |           |
|               |      |             |       |        | 16.00     | Structureless CHALK composed of uncompact greyish white gravelly sandy SILT. Gravel is sub-angular to sub-rounded white with rare black flecks. (Grade Dm).          |       |           |
|               |      |             |       |        |           | Borehole Continues                                                                                                                                                   |       |           |

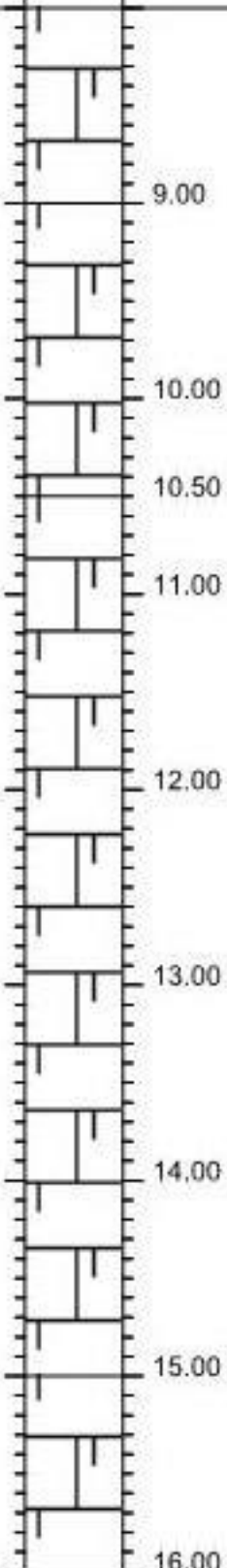
| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br> - Groundwater Strike<br> - Groundwater Level |        | <b>REMARKS</b><br><br>Groundwater encountered at 2.0m. Borehole installed with monitoring well. | <b>Water Strikes</b> <table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr> <td>25/07/2019</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Date   | Strike | Level | Minutes | Casing | Sealed | 25/07/2019 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|-------|---------|--------|--------|------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strike | Level                                                                                           | Minutes                                                                                                                                                                                                                                                                                                                                                                                                                     | Casing | Sealed |       |         |        |        |            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2      |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |       |         |        |        |            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |       |         |        |        |            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |       |         |        |        |            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                             |        | Scale: 1:50                                                                                     | <b>Daily Log Of Depths</b> <table border="1"> <thead> <tr> <th>Date</th> <th>Casing</th> <th>Water</th> <th>From</th> <th>To</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>                                                                                     | Date   | Casing | Water | From    | To     | Hours  |            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Casing | Water                                                                                           | From                                                                                                                                                                                                                                                                                                                                                                                                                        | To     | Hours  |       |         |        |        |            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |       |         |        |        |            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |       |         |        |        |            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     |                           |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------|----------------------------|--------------|--------|
| <div></div>                                                                                                                                                                                                                                                                                                   |      |             | Project Title: Langstone Technology Park, Havant                                                                               |                                                                                     |                           |                                                                                                                                                                                    | BH3                |                                                                                      |                            |              |        |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             | Project Number: 10/1425                                                                                                        |                                                                                     | Client: AG Langstone B.V. |                                                                                                                                                                                    |                    |                                                                                      |                            | Sheet 3 Of 3 |        |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             | GL (mAOD):                                                                                                                     |                                                                                     | N Coord: 50.844665        |                                                                                                                                                                                    | E Coord: -0.991222 |                                                                                      |                            |              |        |
| Date: 22/07/2019                                                                                                                                                                                                                                                                                                                                                                               |      |             | Method: Cable Percussion                                                                                                       |                                                                                     | Driller: WB Drilling      |                                                                                                                                                                                    | Logged By: SHP     |                                                                                      |                            |              |        |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                      | Type | Test Result | Level                                                                                                                          | Legend                                                                              | Depth (m)                 | Description                                                                                                                                                                        | Water              | Standpipe                                                                            |                            |              |        |
| 16.50 - 16.93                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | pp 50/275mm |                                                                                                                                |  | 17.00                     | Structureless CHALK composed of uncompact greyish white gravelly sandy SILT. Gravel is sub-angular to sub-rounded white with rare black flecks. (Grade Dm).<br>16.00 Flint cobble. |                    |  |                            |              |        |
| 18.00 - 18.28                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | pp 50/130mm |                                                                                                                                |                                                                                     | 18.00                     |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
| 19.00                                                                                                                                                                                                                                                                                                                                                                                          | D    |             |                                                                                                                                |                                                                                     | 19.00                     |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
| 19.50 - 19.66                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | pp 50/85mm  |                                                                                                                                |                                                                                     | 20.00                     |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
| 21.00 - 21.22                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | pp 50/65mm  |                                                                                                                                |                                                                                     | 21.00                     |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
| 22.50 - 22.73                                                                                                                                                                                                                                                                                                                                                                                  | SPT  | pp 50/75mm  |                                                                                                                                |                                                                                     | 22.00                     |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     | 22.73                     |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     | 23.00                     |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     | 24.00                     |                                                                                                                                                                                    |                    |                                                                                      | End Of Borehole At 22.73 m |              |        |
| <div>KEY</div> <div>D - Disturbed Sample<br/>B - Bulk Sample<br/>U - Undisturbed<br/>W - Water Sample<br/>S - Standard Penetration Test<br/>C - Cone Penetration Test<br/>N - Penetration Test 'N' Value<br/>V - Hand Shear Vane kPa<br/>▽ - Groundwater Strike<br/>▼ - Groundwater Level</div> <div></div> |      |             | <div>REMARKS</div> <div>Groundwater encountered at 2.0m. Borehole installed with monitoring well.</div> <div>Scale: 1:50</div> |                                                                                     |                           | Water Strikes                                                                                                                                                                      |                    |                                                                                      |                            |              |        |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     |                           | Date                                                                                                                                                                               | Strike             |                                                                                      | Level                      | Minutes      | Casing |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     |                           | Daily Log Of Depths                                                                                                                                                                |                    |                                                                                      | Chiselling                 |              |        |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     |                           | Date                                                                                                                                                                               | Casing             | Water                                                                                | From                       | To           | Hours  |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     |                           |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |
|                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                |                                                                                     |                           |                                                                                                                                                                                    |                    |                                                                                      |                            |              |        |

|                                                                                                                                                                                                                                                              |           |                                                  |                                                                                    |                                                                                     |              |                                                                                                                                                                                                                                                           |       |                                                                                     |            |       |         |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|------------|-------|---------|--------|--------|
| <div></div>                                                                                                                                                                 |           | Project Title: Langstone Technology Park, Havant |                                                                                    |                                                                                     |              | BH4                                                                                                                                                                                                                                                       |       |                                                                                     |            |       |         |        |        |
|                                                                                                                                                                                                                                                              |           | Project Number: 10/1425                          |                                                                                    | Client: AG Langstone B.V.                                                           |              |                                                                                                                                                                                                                                                           |       |                                                                                     |            |       |         |        |        |
|                                                                                                                                                                                                                                                              |           | GL (mAOD):                                       |                                                                                    | N Coord: 50.847282                                                                  |              | E Coord: -0.98699                                                                                                                                                                                                                                         |       |                                                                                     |            |       |         |        |        |
| Date: 24/07/2019-25/07/2019                                                                                                                                                                                                                                  |           | Method: Cable Percussion                         |                                                                                    | Driller: WB Drilling                                                                |              | Logged By: SHP                                                                                                                                                                                                                                            |       |                                                                                     |            |       |         |        |        |
| Depth (m)                                                                                                                                                                                                                                                    | Type      | Test Result                                      | Level                                                                              | Legend                                                                              | Depth (m)    | Description                                                                                                                                                                                                                                               | Water | Standpipe                                                                           |            |       |         |        |        |
| 0.40                                                                                                                                                                                                                                                         | ES        |                                                  |                                                                                    |    | 0.10<br>0.30 | MADE GROUND: Tarmac.                                                                                                                                                                                                                                      |       |  |            |       |         |        |        |
| 1.10<br>1.20 - 1.65                                                                                                                                                                                                                                          | ES<br>SPT | N=2                                              |                                                                                    |    | 1.00<br>1.60 | MADE GROUND: Brown sandy sub-rounded fine to coarse gravel of flint on a geotextile membrane.<br>MADE GROUND: Brown very gravelly sandy clay. Gravel is angular to sub-rounded fine to coarse of flint and brick with fragments of wood, slate and metal. |       |                                                                                     |            |       |         |        |        |
| 2.00 - 2.45<br>2.10                                                                                                                                                                                                                                          | SPT<br>ES | N=50                                             |                                                                                    |   | 2.00<br>2.30 | Very soft plastic brown amorphous very silty PEAT.<br>Firm becoming very stiff brown very sandy gravelly CLAY. Gravel is sub-rounded to rounded fine to coarse of flint with a low cobble content of flint.                                               | ▼     |                                                                                     |            |       |         |        |        |
| 3.00 - 3.45                                                                                                                                                                                                                                                  | SPT       | N=33                                             |                                                                                    |  | 3.00<br>4.00 | Medium dense brown clayey fine to coarse SAND and sub-rounded fine to coarse GRAVEL of flint.                                                                                                                                                             |       |                                                                                     |            |       |         |        |        |
| 4.00 - 4.45                                                                                                                                                                                                                                                  | SPT       | N=28                                             |                                                                                    |  | 4.00<br>5.00 |                                                                                                                                                                                                                                                           |       |                                                                                     |            |       |         |        |        |
| 5.00 - 5.45                                                                                                                                                                                                                                                  | SPT       | N=23                                             |                                                                                    |  | 5.00<br>5.80 |                                                                                                                                                                                                                                                           |       |                                                                                     |            |       |         |        |        |
| 6.00 - 6.45                                                                                                                                                                                                                                                  | SPT       | N=12                                             |                                                                                    |  | 6.00<br>6.50 | Light brown clayey sandy sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint.<br>Structureless CHALK composed of uncompact brownish cream slightly sandy slightly gravelly SILT. Gravel is sub-angular to sub-rounded white. (Grade Dm).  | ▽     |                                                                                     |            |       |         |        |        |
| 7.50 - 7.95                                                                                                                                                                                                                                                  | SPT       | N=15                                             |                                                                                    |  | 7.00<br>8.00 |                                                                                                                                                                                                                                                           |       |                                                                                     |            |       |         |        |        |
|                                                                                                                                                                                                                                                              |           |                                                  |                                                                                    |                                                                                     |              | Borehole Continues                                                                                                                                                                                                                                        |       |                                                                                     |            |       |         |        |        |
| KEY                                                                                                                                                                                                                                                          |           |                                                  | REMARKS                                                                            |                                                                                     |              | Water Strikes                                                                                                                                                                                                                                             |       |                                                                                     |            |       |         |        |        |
| D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br>▽ - Groundwater Strike<br>▼ - Groundwater Level |           |                                                  | Groundwater encountered at 6.0m rising to 2.4m. Borehole backfilled with arisings. |                                                                                     |              | Date                                                                                                                                                                                                                                                      |       |                                                                                     | Strike     | Level | Minutes | Casing | Sealed |
|                                                                                                                                                                                                                                                              |           |                                                  |                                                                                    |                                                                                     |              | 24/07/2019                                                                                                                                                                                                                                                |       |                                                                                     | 6          | 2.4   |         |        |        |
|                                                                                                                                                                                                                                                              |           |                                                  |                                                                                    |                                                                                     |              |                                                                                                                                                                                                                                                           |       |                                                                                     |            |       |         |        |        |
|                                                                                                                                                                                                                                                              |           |                                                  |                                                                                    |                                                                                     |              |                                                                                                                                                                                                                                                           |       |                                                                                     |            |       |         |        |        |
| <div></div>                                                                                                                                                               |           |                                                  | Scale: 1:50                                                                        |                                                                                     |              | Daily Log Of Depths                                                                                                                                                                                                                                       |       |                                                                                     | Chiselling |       |         |        |        |
|                                                                                                                                                                                                                                                              |           |                                                  |                                                                                    |                                                                                     |              | Date                                                                                                                                                                                                                                                      |       |                                                                                     | Casing     | Water | From    | To     | Hours  |
|                                                                                                                                                                                                                                                              |           |                                                  |                                                                                    |                                                                                     |              |                                                                                                                                                                                                                                                           |       |                                                                                     |            |       |         |        |        |

|                                                                                   |  |                                                  |  |                           |  |                   |  |
|-----------------------------------------------------------------------------------|--|--------------------------------------------------|--|---------------------------|--|-------------------|--|
|  |  | Project Title: Langstone Technology Park, Havant |  |                           |  | <h1>BH4</h1>      |  |
|                                                                                   |  | Project Number: 10/1425                          |  | Client: AG Langstone B.V. |  |                   |  |
|                                                                                   |  | GL (mAOD):                                       |  | N Coord: 50.847282        |  | E Coord: -0.98699 |  |
| Date: 24/07/2019-25/07/2019                                                       |  | Method: Cable Percussion                         |  | Driller: WB Drilling      |  | Logged By: SHP    |  |

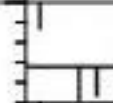
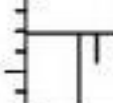
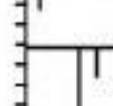
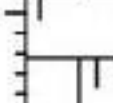
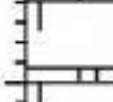
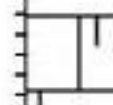
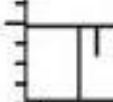
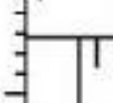
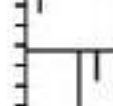
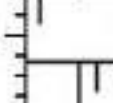
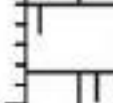
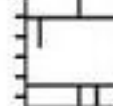
  

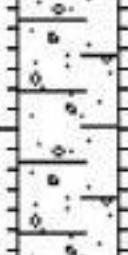
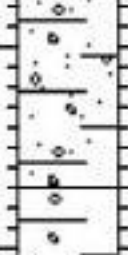
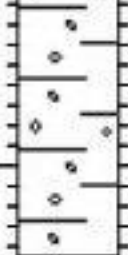
| Depth (m)           | Type     | Test Result | Level | Legend                                                                              | Depth (m)                                                                                                                                                                                | Description                                                                                                                                             | Water                                                                                | Standpipe                                                                            |
|---------------------|----------|-------------|-------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 9.00 - 9.45<br>9.10 | SPT<br>D | N=8         |       |  | 9.00                                                                                                                                                                                     | Structureless CHALK composed of uncompact brownish cream slightly sandy slightly gravelly SILT. Gravel is sub-angular to sub-rounded white. (Grade Dm). |  |  |
|                     |          |             | 10.00 |                                                                                     | Structureless CHALK composed of uncompact greyish cream slightly sandy gravelly SILT. Gravel is sub-angular to sub-rounded white. (Grade Dm).                                            |                                                                                                                                                         |                                                                                      |                                                                                      |
| 10.50 - 10.95       | SPT      | N=6         | 10.50 |                                                                                     |                                                                                                                                                                                          |                                                                                                                                                         |                                                                                      |                                                                                      |
|                     |          |             | 11.00 |                                                                                     | Structureless CHALK composed of uncompact light greyish white slightly sandy very gravelly SILT. Gravel is sub-angular to sub-rounded white. (Grade Dm).                                 |                                                                                                                                                         |                                                                                      |                                                                                      |
| 11.50               | D        |             |       |                                                                                     |                                                                                                                                                                                          |                                                                                                                                                         |                                                                                      |                                                                                      |
| 12.00 - 12.45       | SPT      | N=7         | 12.00 |                                                                                     |                                                                                                                                                                                          |                                                                                                                                                         |                                                                                      |                                                                                      |
|                     |          |             | 13.00 |                                                                                     |                                                                                                                                                                                          |                                                                                                                                                         |                                                                                      |                                                                                      |
| 13.50 - 13.95       | SPT      | N=15        | 14.00 |                                                                                     |                                                                                                                                                                                          |                                                                                                                                                         |                                                                                      |                                                                                      |
|                     |          |             | 15.00 |                                                                                     |                                                                                                                                                                                          |                                                                                                                                                         |                                                                                      |                                                                                      |
| 15.00 - 15.45       | SPT      | N=22        | 16.00 |                                                                                     | Structureless CHALK composed of uncompact light greyish cream sandy silty subangular to subrounded medium to coarse GRAVEL. Clasts are white. Matrix is light greyish cream. (Grade Dc). |                                                                                                                                                         |                                                                                      |                                                                                      |
|                     |          |             |       |                                                                                     |                                                                                                                                                                                          | Borehole Continues                                                                                                                                      |                                                                                      |                                                                                      |

| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br> - Groundwater Strike<br> - Groundwater Level |        | <b>REMARKS</b><br><br>Groundwater encountered at 6.0m rising to 2.4m. Borehole backfilled with arisings.<br><br> | <b>Water Strikes</b> <table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr> <td>24/07/2019</td> <td>6</td> <td>2.4</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | Date   | Strike | Level | Minutes | Casing | Sealed | 24/07/2019 | 6 | 2.4 |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|-------|---------|--------|--------|------------|---|-----|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|-------|--|--|--|--|--|--|
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strike | Level                                                                                                                                                                                               | Minutes                                                                                                                                                                                                                                                                                                                                                                                                                      | Casing | Sealed |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
| 24/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6      | 2.4                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
| <b>Daily Log Of Depths</b> <table border="1"> <thead> <tr> <th>Date</th> <th>Casing</th> <th>Water</th> <th>From</th> <th>To</th> <th>Hours</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>                                                                                                          |        | Date                                                                                                                                                                                                | Casing                                                                                                                                                                                                                                                                                                                                                                                                                       | Water  | From   | To    | Hours   |        |        |            |   |     |  |  |  |  |  |  |  | <b>Chiselling</b> <table border="1"> <thead> <tr> <th>From</th> <th>To</th> <th>Hours</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> | From | To | Hours |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Casing | Water                                                                                                                                                                                               | From                                                                                                                                                                                                                                                                                                                                                                                                                         | To     | Hours  |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                           | To     | Hours                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |                                                                                                                                                                                                                     |      |    |       |  |  |  |  |  |  |

Scale: 1:50

| <div></div>                                                                                                                                                                                                                                                                                                   |        |             | Project Title: Langstone Technology Park, Havant                                                                                        |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      | BH4               |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|---------|--------------|--------|------|--------|-------|---------|--------|--------|------------|---|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             | Project Number: 10/1425                                                                                                                 |                                                                                     | Client: AG Langstone B.V. |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         | Sheet 3 Of 3 |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             | GL (mAOD):                                                                                                                              |                                                                                     | N Coord: 50.847282        |                                                                                                                                                                                                                                                                                                                                                      | E Coord: -0.98699 |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date: 24/07/2019-25/07/2019                                                                                                                                                                                                                                                                                                                                                                    |        |             | Method: Cable Percussion                                                                                                                |                                                                                     | Driller: WB Drilling      |                                                                                                                                                                                                                                                                                                                                                      | Logged By: SHP    |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                      | Type   | Test Result | Level                                                                                                                                   | Legend                                                                              | Depth (m)                 | Description                                                                                                                                                                                                                                                                                                                                          | Water             | Standpipe                                                                             |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16.50 - 16.95                                                                                                                                                                                                                                                                                                                                                                                  | SPT    | N=22        |                                                                                                                                         |    | 16.50                     | Structureless CHALK composed of uncompact light greyish cream sandy silty subangular to subrounded medium to coarse GRAVEL. Clasts are white. Matrix is light greyish cream. (Grade Dc).                                                                                                                                                             |                   |    |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |    | 17.00                     |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |    | 18.00                     |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18.90 - 19.45                                                                                                                                                                                                                                                                                                                                                                                  | D<br>C | pp 50/265mm |                                                                                                                                         |   | 19.00                     | Structureless CHALK composed of uncompact whitish cream gravelly sandy SILT. Gravel is whitish cream sub-rounded to sub-angular fine to coarse. (Grade Dm).                                                                                                                                                                                          |                   |   |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |  | 20.00                     |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |  | 21.00                     |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20.50 - 20.95                                                                                                                                                                                                                                                                                                                                                                                  | C      | N=23        |                                                                                                                                         |  | 22.00                     | Structureless CHALK composed of uncompact whitish cream slightly sandy gravelly SILT. Gravel is whitish cream sub-angular to sub-rounded fine to coarse with rare black specks. (Grade Dm).                                                                                                                                                          |                   |  |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |  | 23.00                     |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |  | 24.00                     |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22.00 - 22.45                                                                                                                                                                                                                                                                                                                                                                                  | C      | pp 50/150mm |                                                                                                                                         |  | 23.65                     | End Of Borehole At 23.65 m                                                                                                                                                                                                                                                                                                                           |                   |  |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |  | 24.00                     |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23.50 - 23.65                                                                                                                                                                                                                                                                                                                                                                                  | C      | pp 50/80mm  |                                                                                                                                         |  |                           |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div>KEY</div> <div>D - Disturbed Sample<br/>B - Bulk Sample<br/>U - Undisturbed<br/>W - Water Sample<br/>S - Standard Penetration Test<br/>C - Cone Penetration Test<br/>N - Penetration Test 'N' Value<br/>V - Hand Shear Vane kPa<br/>▽ - Groundwater Strike<br/>▼ - Groundwater Level</div> <div></div> |        |             | <div>REMARKS</div> <div>Groundwater encountered at 6.0m rising to 2.4m. Borehole backfilled with arisings.</div> <div>Scale: 1:50</div> |                                                                                     |                           | <div>Water Strikes</div> <table><tr><th>Date</th><th>Strike</th><th>Level</th><th>Minutes</th><th>Casing</th><th>Sealed</th></tr><tr><td>24/07/2019</td><td>6</td><td>2.4</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |                   |                                                                                       |         |              |        | Date | Strike | Level | Minutes | Casing | Sealed | 24/07/2019 | 6 | 2.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |                                                                                     |                           | Date                                                                                                                                                                                                                                                                                                                                                 | Strike            | Level                                                                                 | Minutes | Casing       | Sealed |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |                                                                                     |                           | 24/07/2019                                                                                                                                                                                                                                                                                                                                           | 6                 | 2.4                                                                                   |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div>Daily Log Of Depths</div> <table><tr><th>Date</th><th>Casing</th><th>Water</th><th>From</th><th>To</th><th>Hours</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>                                                                                                                          |        |             |                                                                                                                                         |                                                                                     |                           | Date                                                                                                                                                                                                                                                                                                                                                 | Casing            | Water                                                                                 | From    | To           | Hours  |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                           | Casing | Water       | From                                                                                                                                    | To                                                                                  | Hours                     |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                |        |             |                                                                                                                                         |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                       |         |              |        |      |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |             | Project Title: Langstone Technology Park, Havant                                                                                            |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      | WS1                                                                                 |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------|--------------|--------|-------|---------|--------|--------|------------|---|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             | Project Number: 10/1425                                                                                                                     |                                                                                     | Client: AG Langstone B.V. |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         | Sheet 1 Of 1 |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             | GL (mAOD):                                                                                                                                  |                                                                                     | N Coord: 50.845884        |                                                                                                                                                                                                                                                                                                                                                      | E Coord: -0.988569                                                                  |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date: 16/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |             | Method: Window Sampler                                                                                                                      |                                                                                     | Driller: WB Drilling      |                                                                                                                                                                                                                                                                                                                                                      | Logged By: SHP                                                                      |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Type   | Test Result | Level                                                                                                                                       | Legend                                                                              | Depth (m)                 | Description                                                                                                                                                                                                                                                                                                                                          | Water                                                                               | Standpipe                                                                            |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ES     | N=15        |                                                                                                                                             |    | 1.00                      | MADE GROUND: Grass over brown gravelly clayey fine to medium sand. Gravel is sub-angular to rounded fine to coarse of flint with fragments of pottery. Rootlets towards the top of the unit.                                                                                                                                                         |  |  |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.20 - 1.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SPT    |             |                                                                                                                                             |                                                                                     | 1.30                      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ES     | N=4         |                                                                                                                                             |   | 2.00                      | Soft and very soft light brown becoming brownish white slightly sandy very gravelly CLAY. Gravel is sub-angular to rounded fine to coarse of flint and chalk.                                                                                                                                                                                        |  |  |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 - 2.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SPT    |             |                                                                                                                                             |                                                                                     | 2.00                      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ES     | N=3         |                                                                                                                                             |  | 3.00                      | Firm white gravelly CLAY. Gravel is sub-angular to sub-rounded fine to medium of chalk (weathered bedrock).                                                                                                                                                                                                                                          |  |  |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 - 3.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SPT    |             |                                                                                                                                             |                                                                                     | 3.00                      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 - 4.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SPT    | N=15        |                                                                                                                                             |  | 3.70                      | End Of Borehole At 5.45 m                                                                                                                                                                                                                                                                                                                            |  |  |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D      | N=13        |                                                                                                                                             | 4.00                                                                                | 4.00                      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 - 5.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SPT    |             |                                                                                                                                             | 5.00                                                                                | 5.45                      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     | 6.00                      |                                                                                                                                                                                                                                                                                                                                                      |  |  |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     | 7.00                      |                                                                                                                                                                                                                                                                                                                                                      |  |  |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     | 8.00                      |                                                                                                                                                                                                                                                                                                                                                      |  |  |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div>KEY</div> <div>D - Disturbed Sample<br/>B - Bulk Sample<br/>U - Undisturbed<br/>W - Water Sample<br/>S - Standard Penetration Test<br/>C - Cone Penetration Test<br/>N - Penetration Test 'N' Value<br/>V - Hand Shear Vane kPa<br/> - Groundwater Strike<br/> - Groundwater Level</div> <div></div> |        |             | <div>REMARKS</div> <div>Groundwater encountered at 2.0m rising to 1.8m bgl. Borehole backfilled with arisings.</div> <div>Scale: 1:50</div> |                                                                                     |                           | <div>Water Strikes</div> <table><tr><th>Date</th><th>Strike</th><th>Level</th><th>Minutes</th><th>Casing</th><th>Sealed</th></tr><tr><td>17/07/2019</td><td>2</td><td>1.8</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |                                                                                     |                                                                                      |         | Date         | Strike | Level | Minutes | Casing | Sealed | 17/07/2019 | 2 | 1.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     |                           | Date                                                                                                                                                                                                                                                                                                                                                 | Strike                                                                              | Level                                                                                | Minutes | Casing       | Sealed |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2      | 1.8         |                                                                                                                                             |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     |                           | <div>Daily Log Of Depths</div> <div>Chiselling</div> <table><tr><th>Date</th><th>Casing</th><th>Water</th><th>From</th><th>To</th><th>Hours</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>                                                          |                                                                                     |                                                                                      |         | Date         | Casing | Water | From    | To     | Hours  |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Casing | Water       | From                                                                                                                                        | To                                                                                  | Hours                     |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |             |                                                                                                                                             |                                                                                     |                           |                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                      |         |              |        |       |         |        |        |            |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Depth (m)           | Type      | Test Result | Level | Legend | Depth (m) | Description                                                                                                                                                                                                         | Water | Standpipe |
|---------------------|-----------|-------------|-------|--------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| 0.50<br>0.60 - 0.80 | ES<br>B   |             |       |        | 0.55      | MADE GROUND: Grass over brown slightly clayey very sandy angular to sub-rounded fine to coarse gravel of flint and concrete with a low cobble content of concrete. Occasional rootlets towards the top of the unit. |       |           |
| 1.00 - 1.45<br>1.10 | SPT<br>ES | N=16        |       |        | 1.00      | MADE GROUND: Brown slightly clayey very gravelly fine to medium sand. Gravel is angular to sub-rounded fine to coarse of flint.                                                                                     |       |           |
|                     |           |             |       |        | 1.25      |                                                                                                                                                                                                                     |       |           |
|                     |           |             |       |        | 1.60      | MADE GROUND: Dark blackish grey becoming brown very sandy slightly gravelly clay with fragments of wood and grass. Gravel is sub-rounded fine to coarse of flint. Strong olfactory evidence of hydrocarbons.        |       |           |
| 2.00 - 2.45         | SPT       | N=2         |       |        | 2.00      |                                                                                                                                                                                                                     |       |           |
| 2.40                | ES        |             |       |        | 2.10      | Firm brown very sandy slightly gravelly CLAY with fragments of wood and grass. Strong olfactory evidence of hydrocarbons.                                                                                           |       |           |
|                     |           |             |       |        | 3.00      | Brown clayey sandy sub-angular to sub-rounded fine to coarse GRAVEL of flint.                                                                                                                                       |       |           |
| 3.00 - 3.45         | SPT       | N=8         |       |        | 3.50      |                                                                                                                                                                                                                     |       |           |
|                     |           |             |       |        | 4.00      | Very soft becoming soft grey becoming brown sandy silty CLAY. Slightly gravelly towards the top of the unit. Gravel is sub-rounded fine to coarse of flint.                                                         |       |           |
| 4.00 - 4.45         | SPT       | N=12        |       |        | 4.00      |                                                                                                                                                                                                                     |       |           |
|                     |           |             |       |        | 5.00      | Medium dense light brown clayey sandy angular to sub-rounded fine to coarse GRAVEL of flint and chalk (wet).                                                                                                        |       |           |
| 5.00 - 5.45         | SPT       | N=22        |       |        | 5.45      |                                                                                                                                                                                                                     |       |           |
|                     |           |             |       |        | 6.00      | End Of Borehole At 5.45 m                                                                                                                                                                                           |       |           |
|                     |           |             |       |        | 7.00      |                                                                                                                                                                                                                     |       |           |
|                     |           |             |       |        | 8.00      |                                                                                                                                                                                                                     |       |           |

## KEY

D - Disturbed Sample  
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 V - Hand Shear Vane kPa  
 - Groundwater Strike  
 - Groundwater Level



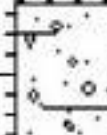
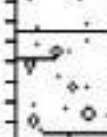
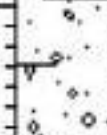
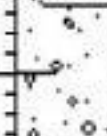
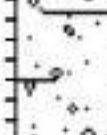
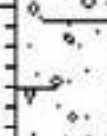
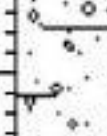
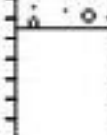
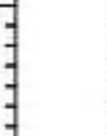
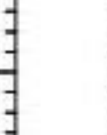
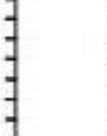
## REMARKS

No Groundwater Encountered  
 Falling head test was undertaken in the borehole.  
 Borehole backfilled with arisings.

Scale: 1:50

## Water Strikes

| Date                | Strike | Level | Minutes    | Casing | Sealed |
|---------------------|--------|-------|------------|--------|--------|
|                     |        |       |            |        |        |
|                     |        |       |            |        |        |
|                     |        |       |            |        |        |
|                     |        |       |            |        |        |
| Daily Log Of Depths |        |       | Chiselling |        |        |
| Date                | Casing | Water | From       | To     | Hours  |
|                     |        |       |            |        |        |
|                     |        |       |            |        |        |

| Depth (m)   | Type | Test Result | Level | Legend                                                                              | Depth (m) | Description                                                                                                                              | Water | Standpipe |
|-------------|------|-------------|-------|-------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| 0.25        | ES   |             |       |    | 0.15      | MADE GROUND: Tarmac.                                                                                                                     |       |           |
|             |      |             |       |    | 0.35      | MADE GROUND: Orangish brown very sandy sub-rounded fine to coarse gravel of flint with a low cobble content of flint.                    |       |           |
|             |      |             |       |    | 0.45      | MADE GROUND: Tarmac.                                                                                                                     |       |           |
|             |      |             |       |   | 0.65      | MADE GROUND: Concrete.                                                                                                                   |       |           |
| 1.20 - 1.65 | SPT  | N=12        |       |  | 1.00      | Brown slightly clayey slightly sandy angular to rounded fine to coarse GRAVEL of flint.                                                  |       |           |
| 1.50        | D    |             |       |  | 1.45      | Medium dense brown clayey very sandy sub-angular to rounded fine to coarse GRAVEL of flint with bands of sandy gravel and gravelly clay. |       |           |
| 2.00 - 2.45 | SPT  | N=19        |       |  | 2.00      |                                                                                                                                          |       |           |
| 3.00 - 3.45 | SPT  | N=13        |       |  | 3.00      |                                                                                                                                          |       |           |
| 4.00 - 4.45 | SPT  | N=28        |       |  | 4.00      |                                                                                                                                          |       |           |
| 5.00 - 5.45 | SPT  | N=27        |       |  | 5.00      |                                                                                                                                          |       |           |
|             |      |             |       |  | 5.45      | End Of Borehole At 5.45 m                                                                                                                |       |           |
|             |      |             |       |  | 6.00      |                                                                                                                                          |       |           |
|             |      |             |       |  | 7.00      |                                                                                                                                          |       |           |
|             |      |             |       |  | 8.00      |                                                                                                                                          |       |           |

## KEY

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 N - Penetration Test 'N' Value  
 V - Hand Shear Vane kPa  
 - Groundwater Strike  
 - Groundwater Level



## REMARKS

Groundwater encountered at 3.0m bgl. Borehole unstable and collapsed in to 3m bgl. Borehole installed with gas monitoring well.

Scale: 1:50

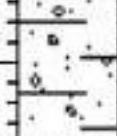
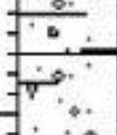
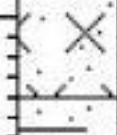
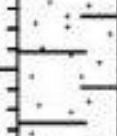
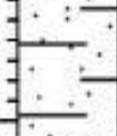
## Water Strikes

| Date       | Strike | Level | Minutes | Casing | Sealed |
|------------|--------|-------|---------|--------|--------|
| 25/07/2019 | 3      |       |         |        |        |
|            |        |       |         |        |        |
|            |        |       |         |        |        |

## Daily Log Of Depths

## Chiselling

| Date | Casing | Water | From | To | Hours |
|------|--------|-------|------|----|-------|
|      |        |       |      |    |       |
|      |        |       |      |    |       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     |                           |                                                                                                                                                        |                    |           |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|--------------|
| <div></div>                                                                                                                                                                                                                                                                                                                                                                        |          |             | Project Title: Langstone Technology Park, Havant                                                                                                                                                                                                                                      |                                                                                     |                           |                                                                                                                                                        | WS4                |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             | Project Number: 10/1425                                                                                                                                                                                                                                                               |                                                                                     | Client: AG Langstone B.V. |                                                                                                                                                        |                    |           | Sheet 1 Of 1 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             | GL (mAOD):                                                                                                                                                                                                                                                                            |                                                                                     | N Coord: 50.844701        |                                                                                                                                                        | E Coord: -0.989103 |           |              |
| Date: 16/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |             | Method: Window Sampler                                                                                                                                                                                                                                                                |                                                                                     | Driller: WB Drilling      |                                                                                                                                                        | Logged By: SHP     |           |              |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Type     | Test Result | Level                                                                                                                                                                                                                                                                                 | Legend                                                                              | Depth (m)                 | Description                                                                                                                                            | Water              | Standpipe |              |
| 0.40 - 0.65                                                                                                                                                                                                                                                                                                                                                                                                                                                         | B<br>ES  |             |                                                                                                                                                                                                                                                                                       |    | 0.15                      | MADE GROUND: Tarmac.                                                                                                                                   |                    |           |              |
| 0.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     | 0.65                      | MADE GROUND: Light orangish brown clayey sandy angular fine to coarse gravel of limestone.                                                             |                    |           |              |
| 1.20 - 1.65                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SPT      | N=15        |                                                                                                                                                                                                                                                                                       |    | 1.00                      | Firm to stiff brown sandy very gravelly CLAY.                                                                                                          |                    |           |              |
| 1.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ES       |             |                                                                                                                                                                                                                                                                                       |                                                                                     | 1.70                      |                                                                                                                                                        |                    |           |              |
| 2.00 - 2.45                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SPT      | N=15        |                                                                                                                                                                                                                                                                                       |   | 2.00                      | Medium dense greyish brown slightly clayey slightly sandy angular to sub-rounded fine to coarse GRAVEL of flint with a medium cobble content of flint. |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     | 2.50                      |                                                                                                                                                        |                    |           |              |
| 2.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D<br>SPT | N=5         |                                                                                                                                                                                                                                                                                       |  | 3.00                      | Soft greenish grey sandy SILT.                                                                                                                         |                    |           |              |
| 3.00 - 3.45                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     | 3.40                      |                                                                                                                                                        |                    |           |              |
| 4.00 - 4.45                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SPT      | N=9         |                                                                                                                                                                                                                                                                                       |  | 4.00                      | Firm greenish grey sandy CLAY with widely spaced coarse sand partings.                                                                                 |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     | 5.00                      |                                                                                                                                                        |                    |           |              |
| 5.00 - 5.45                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SPT      | N=16        |                                                                                                                                                                                                                                                                                       |  | 5.00                      | End Of Borehole At 5.45 m                                                                                                                              |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     | 5.45                      |                                                                                                                                                        |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |  | 6.00                      |                                                                                                                                                        |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     | 7.00                      |                                                                                                                                                        |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     | 8.00                      |                                                                                                                                                        |                    |           |              |
| <div>KEY</div> <div>D - Disturbed Sample<br/>B - Bulk Sample<br/>U - Undisturbed<br/>W - Water Sample<br/>S - Standard Penetration Test<br/>C - Cone Penetration Test<br/>N - Penetration Test 'N' Value<br/>V - Hand Shear Vane kPa<br/> - Groundwater Strike<br/> - Groundwater Level</div> |          |             | <div>REMARKS</div> <div>Groundwater encountered at 2.1m bgl. Borehole unstable and collapsed in to 2.0m bgl. Borehole installed with gas monitoring well.</div> <div></div> <div>Scale: 1:50</div> |                                                                                     |                           | Water Strikes                                                                                                                                          |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     |                           | Date                                                                                                                                                   | Strike             | Level     | Minutes      |
| 25/07/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.1      |             |                                                                                                                                                                                                                                                                                       |                                                                                     |                           |                                                                                                                                                        |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     |                           |                                                                                                                                                        |                    |           |              |
| Daily Log Of Depths                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |             | Chiselling                                                                                                                                                                                                                                                                            |                                                                                     |                           |                                                                                                                                                        |                    |           |              |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Casing   | Water       | From                                                                                                                                                                                                                                                                                  | To                                                                                  | Hours                     |                                                                                                                                                        |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     |                           |                                                                                                                                                        |                    |           |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |             |                                                                                                                                                                                                                                                                                       |                                                                                     |                           |                                                                                                                                                        |                    |           |              |

| Depth (m)   | Type | Test Result | Level | Legend | Depth (m)                    | Description                                                                                                                                                                         | Water | Standpipe |
|-------------|------|-------------|-------|--------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| 0.70        | ES   |             |       |        | 0.10<br>0.15<br>0.35<br>0.40 | MADE GROUND: Tarmac.<br>MADE GROUND: Concrete.<br>MADE GROUND: Brown sandy gravelly clay. Gravel is sub-angular fine to coarse to sub-rounded of flint, brick, limestone and chalk. |       |           |
| 1.20 - 1.65 | SPT  | N=9         |       |        | 1.00                         | MADE GROUND: Tarmac.                                                                                                                                                                |       |           |
| 2.00 - 2.45 | SPT  | N=5         |       |        | 1.60<br>2.00                 | MADE GROUND: Brown sandy gravelly clay with a low cobble content of brick. Gravel is sub-angular to sub-rounded fine to coarse of flint, brick, limestone and chalk.                |       |           |
| 2.60        | ES   |             |       |        |                              | Loose becoming very loose brown clayey sandy angular fine to coarse to sub-rounded GRAVEL of flint.                                                                                 |       |           |
| 3.00 - 3.45 | SPT  | N=1         |       |        | 3.00                         | 2.50 - 3.45 Stained dark grey.<br>2.50 - 4.00 Visual and olfactory evidence of hydrocarbons.                                                                                        |       |           |
| 3.90        | ES   |             |       |        | 4.00                         | 3.45 Becoming white.                                                                                                                                                                |       |           |
|             |      |             |       |        |                              | End Of Borehole At 4.00 m                                                                                                                                                           |       |           |
|             |      |             |       |        | 5.00                         |                                                                                                                                                                                     |       |           |
|             |      |             |       |        | 6.00                         |                                                                                                                                                                                     |       |           |
|             |      |             |       |        | 7.00                         |                                                                                                                                                                                     |       |           |
|             |      |             |       |        | 8.00                         |                                                                                                                                                                                     |       |           |

## KEY

D - Disturbed Sample  
 B - Bulk Sample  
 U - Undisturbed  
 W - Water Sample  
 S - Standard Penetration Test  
 C - Cone Penetration Test  
 N - Penetration Test 'N' Value  
 V - Hand Shear Vane kPa  
 - Groundwater Strike  
 - Groundwater Level



## REMARKS

Groundwater encountered at 1.9m bgl. Borehole unstable and collapsed in to 1.9m bgl.

Scale: 1:50

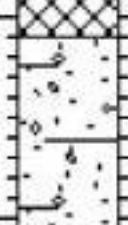
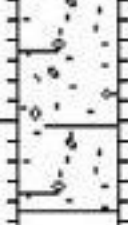
## Water Strikes

| Date       | Strike | Level | Minutes | Casing | Sealed |
|------------|--------|-------|---------|--------|--------|
| 25/07/2019 | 1.9    |       |         |        |        |
|            |        |       |         |        |        |
|            |        |       |         |        |        |

## Daily Log Of Depths

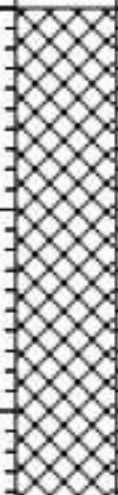
## Chiselling

| Date | Casing | Water | From | To | Hours |
|------|--------|-------|------|----|-------|
|      |        |       |      |    |       |
|      |        |       |      |    |       |

| <div></div>                                                                                                                                                                                                    |        |             | Project Title: Langstone Technology Park, Havant |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     | WS6                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|--------|------|--------|-------|---------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|-------|------|----|-------|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|-------|------|----|-------|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                 |        |             | Project Number: 10/1425                          |                                                                                                                                                                                                                       | Client: AG Langstone B.V. |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       | Sheet 1 Of 1                                                                          |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             | GL (mAOD):                                       |                                                                                                                                                                                                                       | N Coord: 50.847089        |                                                                                                                                                                                                                                     | E Coord: -0.986694 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Date: 18/07/2019                                                                                                                                                                                                                                                                                |        |             | Method: Window Sampler                           |                                                                                                                                                                                                                       | Driller: WB Drilling      |                                                                                                                                                                                                                                     | Logged By: SHP     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                       | Type   | Test Result | Level                                            | Legend                                                                                                                                                                                                                | Depth (m)                 | Description                                                                                                                                                                                                                         | Water              | Standpipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.80                                                                                                                                                                                                                                                                                            | ES     | N=14        |                                                  |                                                                                                                                      | 1.00                      | MADE GROUND: Grass over brown very sandy slightly gravelly clay with fragments of brick and clinker. Gravel is angular to sub-rounded fine to coarse of flint, concrete and brick. Occasional rootlets towards the top of the unit. |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.20 - 1.65                                                                                                                                                                                                                                                                                     | SPT    |             |                                                  |                                                                                                                                                                                                                       | 1.50                      |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.70                                                                                                                                                                                                                                                                                            | ES     | N=8         |                                                  |                                                                                                                                     | 2.00                      | MADE GROUND: Dark grey sandy gravelly clay. Gravel is angular to sub-rounded fine to coarse of flint, chalk, clinker, brick, mudstone and coal with fragments of wood and decaying rootlets.                                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 - 2.45                                                                                                                                                                                                                                                                                     | SPT    |             |                                                  |                                                                                                                                                                                                                       | 3.00                      |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 - 3.45                                                                                                                                                                                                                                                                                     | SPT    | N=10        |                                                  |                                                                                                                                    | 3.10                      | Medium dense light orangish brown very clayey gravelly fine to coarse SAND. Gravel is sub-rounded to rounded fine to coarse of flint and chalk.                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.90                                                                                                                                                                                                                                                                                            | ES     | N=11        |                                                  |                                                                                                                                    | 4.00                      |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 - 4.45                                                                                                                                                                                                                                                                                     | SPT    |             |                                                  |                                                                                                                                                                                                                       | 5.00                      | 4.80 - 5.45 Wet.                                                                                                                                                                                                                    |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 - 5.45                                                                                                                                                                                                                                                                                     | SPT    | N=21        | 5.45                                             | End Of Borehole At 5.45 m                                                                                                                                                                                             |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |  |  |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             | 6.00                                             |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             | 7.00                                             |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             | 8.00                                             |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| <div>KEY</div> <div>D - Disturbed Sample<br/>B - Bulk Sample<br/>U - Undisturbed<br/>W - Water Sample<br/>S - Standard Penetration Test<br/>C - Cone Penetration Test<br/>N - Penetration Test 'N' Value<br/>V - Hand Shear Vane kPa<br/>▽ - Groundwater Strike<br/>▼ - Groundwater Level</div> |        |             |                                                  | <div>REMARKS</div> <div>No Groundwater Encountered<br/>Borehole backfilled with arisings.</div> <div></div> <div>Scale: 1:50</div> |                           |                                                                                                                                                                                                                                     |                    | <div>Water Strikes</div> <table><tr><th>Date</th><th>Strike</th><th>Level</th><th>Minutes</th><th>Casing</th><th>Sealed</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>Daily Log Of Depths</div> <table><tr><th>Date</th><th>Casing</th><th>Water</th><th>From</th><th>To</th><th>Hours</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>Chiselling</div> <table><tr><th>Date</th><th>Casing</th><th>Water</th><th>From</th><th>To</th><th>Hours</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |                                                                                       |                                                                                       |                                                                                       |        |        | Date | Strike | Level | Minutes | Casing | Sealed |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Date | Casing | Water | From | To | Hours |  |  |  |  |  |  |  |  |  |  |  |  | Date | Casing | Water | From | To | Hours |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             |                                                  |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Strike                                                                                | Level                                                                                 | Minutes                                                                               | Casing | Sealed |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             |                                                  |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             |                                                  |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             |                                                  |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                            | Casing | Water       | From                                             | To                                                                                                                                                                                                                    | Hours                     |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             |                                                  |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                 |        |             |                                                  |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                            | Casing | Water       | From                                             | To                                                                                                                                                                                                                    | Hours                     |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                 |        |             |                                                  |                                                                                                                                                                                                                       |                           |                                                                                                                                                                                                                                     |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                       |                                                                                       |                                                                                       |        |        |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |      |        |       |      |    |       |  |  |  |  |  |  |  |  |  |  |  |  |

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|-----------------------------------------------------------------------------------|--|--------------------------------------------------|--|---------------------------|--|--------------------|--|
|  |  | Project Title: Langstone Technology Park, Havant |  |                           |  | <h1>WS7</h1>       |  |
|                                                                                   |  | Project Number: 10/1425                          |  | Client: AG Langstone B.V. |  |                    |  |
|                                                                                   |  | GL (mAOD):                                       |  | N Coord: 50.847365        |  | E Coord: -0.987382 |  |
| Date: 18/07/2019                                                                  |  | Method: Window Sampler                           |  | Driller: WB Drilling      |  | Logged By: SHP     |  |

| Depth (m)           | Type      | Test Result | Level | Legend                                                                             | Depth (m)    | Description                                                                                                                                                                                                                | Water                                                                                | Standpipe                                                                            |
|---------------------|-----------|-------------|-------|------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 0.40                | ES        |             |       |  |              | MADE GROUND: Grass over brown clayey gravelly fine to coarse sand with a low cobble content of flint and brick. Gravel is angular to sub-rounded fine to coarse of flint. Occasional rootlets towards the top of the unit. |  |  |
| 1.20 - 1.65<br>1.40 | SPT<br>ES | N=20        |       |                                                                                    | 1.00         |                                                                                                                                                                                                                            |                                                                                      |                                                                                      |
| 2.00 - 2.45         | SPT       | N=40        |       |                                                                                    | 2.00<br>2.45 |                                                                                                                                                                                                                            |                                                                                      |                                                                                      |
|                     |           |             |       |                                                                                    |              | End Of Borehole At 2.45 m                                                                                                                                                                                                  |                                                                                      |                                                                                      |
|                     |           |             |       |                                                                                    | 3.00         |                                                                                                                                                                                                                            |                                                                                      |                                                                                      |
|                     |           |             |       |                                                                                    | 4.00         |                                                                                                                                                                                                                            |                                                                                      |                                                                                      |
|                     |           |             |       |                                                                                    | 5.00         |                                                                                                                                                                                                                            |                                                                                      |                                                                                      |
|                     |           |             |       |                                                                                    | 6.00         |                                                                                                                                                                                                                            |                                                                                      |                                                                                      |
|                     |           |             |       |                                                                                    | 7.00         |                                                                                                                                                                                                                            |                                                                                      |                                                                                      |
|                     |           |             |       |                                                                                    | 8.00         |                                                                                                                                                                                                                            |                                                                                      |                                                                                      |

| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br> - Groundwater Strike<br> - Groundwater Level |        | <b>REMARKS</b><br>No Groundwater Encountered<br>Borehole terminated in Made Ground due to cobble construction. Borehole backfilled with arisings. | <b>Water Strikes</b>                                                                                                                                                                                                                                                                                                                                                                     |        |        |                   |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                   | <table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> |        |        |                   |  |  | Date | Strike | Level | Minutes | Casing | Sealed |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strike | Level                                                                                                                                             | Minutes                                                                                                                                                                                                                                                                                                                                                                                  | Casing | Sealed |                   |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                             |        | Scale: 1:50                                                                                                                                       | <b>Daily Log Of Depths</b>                                                                                                                                                                                                                                                                                                                                                               |        |        | <b>Chiselling</b> |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                   | <table border="1"> <thead> <tr> <th>Date</th> <th>Casing</th> <th>Water</th> <th>From</th> <th>To</th> <th>Hours</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>                                                                               |        |        |                   |  |  | Date | Casing | Water | From    | To     | Hours  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Casing | Water                                                                                                                                             | From                                                                                                                                                                                                                                                                                                                                                                                     | To     | Hours  |                   |  |  |      |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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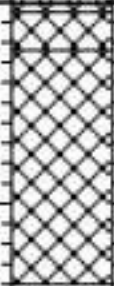
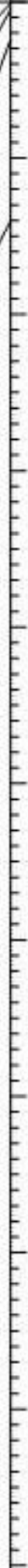
|                                                                                   |  |                                                  |  |                           |  |                    |  |
|-----------------------------------------------------------------------------------|--|--------------------------------------------------|--|---------------------------|--|--------------------|--|
|  |  | Project Title: Langstone Technology Park, Havant |  |                           |  | <h1>WS8</h1>       |  |
|                                                                                   |  | Project Number: 10/1425                          |  | Client: AG Langstone B.V. |  |                    |  |
|                                                                                   |  | GL (mAOD):                                       |  | N Coord: 50.848019        |  | E Coord: -0.987472 |  |
| Date: 18/07/2019                                                                  |  | Method: Window Sampler                           |  | Driller: WB Drilling      |  | Logged By: SHP     |  |

| Depth (m)   | Type | Test Result | Level | Legend                                                                            | Depth (m)            | Description                                                                                                                          | Water | Standpipe                                                                           |
|-------------|------|-------------|-------|-----------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|
| 0.60        | ES   |             |       |  |                      | MADE GROUND: Brown sandy gravelly slightly silty clay. Gravel is angular to sub-rounded fine to coarse of brick, concrete and flint. |       |  |
| 1.20 - 1.21 | SPT  | sb 50/5mm   |       |  | 1.00<br>1.10<br>1.21 | MADE GROUND: Concrete cobbles obstruction.<br>End Of Borehole At 1.21 m                                                              |       |  |
|             |      |             |       |                                                                                   | 2.00                 |                                                                                                                                      |       |                                                                                     |
|             |      |             |       |                                                                                   | 3.00                 |                                                                                                                                      |       |                                                                                     |
|             |      |             |       |                                                                                   | 4.00                 |                                                                                                                                      |       |                                                                                     |
|             |      |             |       |                                                                                   | 5.00                 |                                                                                                                                      |       |                                                                                     |
|             |      |             |       |                                                                                   | 6.00                 |                                                                                                                                      |       |                                                                                     |
|             |      |             |       |                                                                                   | 7.00                 |                                                                                                                                      |       |                                                                                     |
|             |      |             |       |                                                                                   | 8.00                 |                                                                                                                                      |       |                                                                                     |

| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>U - Undisturbed<br>W - Water Sample<br>S - Standard Penetration Test<br>C - Cone Penetration Test<br>N - Penetration Test 'N' Value<br>V - Hand Shear Vane kPa<br> - Groundwater Strike<br> - Groundwater Level |        | <b>REMARKS</b><br>No Groundwater Encountered<br>Borehole terminated in Made Ground due to concrete obstruction. Borehole backfilled with arisings.<br><br>                                                              | <b>Water Strikes</b>                                                                                                                                                                                                                                                                                                                                                                     |        |        |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                                                                                                                                                                                                                                                                                            | <table border="1"> <thead> <tr> <th>Date</th> <th>Strike</th> <th>Level</th> <th>Minutes</th> <th>Casing</th> <th>Sealed</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> |        |        |  |  |      | Date   | Strike | Level | Minutes | Casing | Sealed |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strike | Level                                                                                                                                                                                                                                                                                                      | Minutes                                                                                                                                                                                                                                                                                                                                                                                  | Casing | Sealed |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Scale: 1:50</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |        | <b>Daily Log Of Depths</b>                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |        |        |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Date                                                                                                                                                                                                                                                                                                                                                                                                                                           | Casing | Water                                                                                                                                                                                                                                                                                                      | From                                                                                                                                                                                                                                                                                                                                                                                     | To     | Hours  |  |  |      |        |        |       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <div></div>                                                                                                                                           |      |                        | Project Title: Langstone Technology Park, Havant |                                                                                                                                                                   |                    | HTP1                                                                                                                                                                                                                                  |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        | Project Number: 10/1425                          | Client: AG Langstone B.V.                                                                                                                                         | Sheet 1 Of 1       |                                                                                                                                                                                                                                       |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        | GL (mAOD):                                       | N Coord: 50.843224                                                                                                                                                | E Coord: -0.988262 |                                                                                                                                                                                                                                       |                                                                                      |
| Date: 21/07/2019                                                                                                                                                                                                                       |      | Method: Hand Excavated | Logged By: SHP                                   | Scale: 1:50                                                                                                                                                       |                    |                                                                                                                                                                                                                                       |                                                                                      |
| Depth (m)                                                                                                                                                                                                                              | Type | Test Result            | Level                                            | Legend                                                                                                                                                            | Depth (m)          | Description                                                                                                                                                                                                                           | Water                                                                                |
| 0.50                                                                                                                                                                                                                                   | ES   |                        |                                                  |                                                                                  | 0.24               | MADE GROUND: Red tarmac.                                                                                                                                                                                                              |  |
|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   |                    | MADE GROUND: Black tarmac.                                                                                                                                                                                                            |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   |                    | MADE GROUND: Concrete with 8 mm rebar towards top of unit.                                                                                                                                                                            |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   | 1.00               | MADE GROUND: Orangish brown mottled dark grey in part very sandy slightly gravelly clay with a low cobble content of granite. Gravel is fine to coarse angular to sub-rounded of flint with fragments of metal, polystyrene and wood. |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   | 1.40               |                                                                                                                                                                                                                                       |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   |                    |                                                                                                                                                                                                                                       |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   |                    | 1.00 - 1.40 Becoming increasingly gravelly.                                                                                                                                                                                           |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   |                    | End Of Trial Pit At 1.40 m                                                                                                                                                                                                            |                                                                                      |
|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   |                    |                                                                                                                                                                                                                                       |                                                                                      |
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|                                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   |                    |                                                                                                                                                                                                                                       |                                                                                      |
| KEY                                                                                                                                                                                                                                    |      |                        |                                                  | REMARKS                                                                                                                                                           |                    |                                                                                                                                                                                                                                       |                                                                                      |
| D - Disturbed Sample                                                                                                                                                                                                                   |      |                        |                                                  | <div></div> No Groundwater Encountered<br>Trial pit backfilled with arisings. |                    |                                                                                                                                                                                                                                       |                                                                                      |
| B - Bulk Sample                                                                                                                                                                                                                        |      |                        |                                                  |                                                                                                                                                                   |                    |                                                                                                                                                                                                                                       |                                                                                      |
| W - Water Sample                                                                                                                                                                                                                       |      |                        |                                                  |                                                                                                                                                                   |                    |                                                                                                                                                                                                                                       |                                                                                      |
| V - Hand Shear Vane kPa                                                                                                                                                                                                                |      |                        |                                                  |                                                                                                                                                                   |                    |                                                                                                                                                                                                                                       |                                                                                      |
| <div> - Groundwater Strike</div> <div> - Groundwater Level</div> |      |                        |                                                  |                                                                                                                                                                   |                    |                                                                                                                                                                                                                                       |                                                                                      |

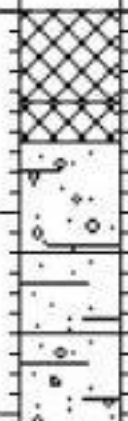
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| <div></div> |      |                        | Project Title: Langstone Technology Park, Havant |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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|                                                                                              |      |                        | Project Number: 10/1425                          | Client: AG Langstone B.V.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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|                                                                                              |      |                        | GL (mAOD):                                       | N Coord: 50.844518                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Date: 21/07/2019                                                                             |      | Method: Hand Excavated | Logged By: SHP                                   | Scale: 1:50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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|                    |             |       |



|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   |                                                                                      |                                                                                                                                                                                    |                    |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|--------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|
|                                                                                                                                    |      |             | Project Title: Langstone Technology Park, Havant |                                                                                   |                                                                                      | <h1>HTP3</h1>                                                                                                                                                                      |                    |              |
|                                                                                                                                                                                                                     |      |             | Project Number: 10/1425                          |                                                                                   | Client: AG Langstone B.V.                                                            |                                                                                                                                                                                    |                    | Sheet 1 Of 1 |
|                                                                                                                                                                                                                     |      |             | GL (mAOD):                                       |                                                                                   | N Coord: 50.845147                                                                   |                                                                                                                                                                                    | E Coord: -0.989939 |              |
| Date: 21/07/2019                                                                                                                                                                                                    |      |             | Method: Hand Excavated                           |                                                                                   | Logged By: SHP                                                                       |                                                                                                                                                                                    | Scale: 1:50        |              |
| Depth (m)                                                                                                                                                                                                           | Type | Test Result | Level                                            | Legend                                                                            | Depth (m)                                                                            | Description                                                                                                                                                                        | Water              |              |
| 0.15 - 0.20                                                                                                                                                                                                         | B    |             |                                                  |  | 0.15                                                                                 | MADE GROUND: Tarmac.                                                                                                                                                               |                    |              |
| 0.40                                                                                                                                                                                                                | ES   |             |                                                  |                                                                                   | 0.20                                                                                 | MADE GROUND: Fine to coarse sandy angular gravel of limestone.                                                                                                                     |                    |              |
| 0.60 - 0.75                                                                                                                                                                                                         | B    |             |                                                  |                                                                                   | 0.75                                                                                 | MADE GROUND: Orangish brown becoming greyish brown sandy gravelly clay with fragments of coal and wood. Gravel is fine to coarse angular to sub-rounded of chalk, flint and brick. |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 0.80                                                                                 | MADE GROUND: Concrete obstruction.                                                                                                                                                 |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 1.00                                                                                 | End Of Trial Pit At 0.80 m                                                                                                                                                         |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 2.00                                                                                 |                                                                                                                                                                                    |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 3.00                                                                                 |                                                                                                                                                                                    |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 4.00                                                                                 |                                                                                                                                                                                    |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 5.00                                                                                 |                                                                                                                                                                                    |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 6.00                                                                                 |                                                                                                                                                                                    |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 7.00                                                                                 |                                                                                                                                                                                    |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 8.00                                                                                 |                                                                                                                                                                                    |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 9.00                                                                                 |                                                                                                                                                                                    |                    |              |
|                                                                                                                                                                                                                     |      |             |                                                  |                                                                                   | 10.00                                                                                |                                                                                                                                                                                    |                    |              |
| KEY                                                                                                                                                                                                                 |      |             |                                                  |                                                                                   | REMARKS                                                                              |                                                                                                                                                                                    |                    |              |
| D - Disturbed Sample<br>B - Bulk Sample<br>W - Water Sample<br>V - Hand Shear Vane kPa                                                                                                                              |      |             |                                                  |                                                                                   | No Groundwater Encountered<br>Trial pit backfilled with arisings.                    |                                                                                                                                                                                    |                    |              |
|  - Groundwater Strike<br> - Groundwater Level |      |             |                                                  |                                                                                   |  |                                                                                                                                                                                    |                    |              |

|                                                                                                                                                                                                                                            |      | Project Title: Langstone Technology Park, Havant |                           | <h1>HTP4</h1>                                                                     |           |                                                                                                                                                                   |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|                                                                                                                                                                                                                                                                                                                             |      | Project Number: 10/1425                          | Client: AG Langstone B.V. |                                                                                   |           |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      | GL (mAOD):                                       | N Coord: 50.84722         | E Coord: -0.98755                                                                 |           |                                                                                                                                                                   |       |
| Date: 21/07/2019                                                                                                                                                                                                                                                                                                            |      | Method: Hand Excavated                           |                           | Logged By: SHP                                                                    |           | Scale: 1:50                                                                                                                                                       |       |
| Depth (m)                                                                                                                                                                                                                                                                                                                   | Type | Test Result                                      | Level                     | Legend                                                                            | Depth (m) | Description                                                                                                                                                       | Water |
| 0.20                                                                                                                                                                                                                                                                                                                        | ES   |                                                  |                           |  | 0.35      | MADE GROUND: Grass over gravelly fine to medium sand with fragments of brick and concrete. Gravel is fine to coarse angular to sub-rounded of flint and concrete. |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 1.00      | MADE GROUND: Brown sandy gravelly clay with a low cobble content of flint. Gravel is fine to coarse angular to sub-rounded of flint.                              |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 1.20      | End Of Trial Pit At 1.20 m                                                                                                                                        |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 2.00      |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 3.00      |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 4.00      |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 5.00      |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 6.00      |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 7.00      |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 8.00      |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 9.00      |                                                                                                                                                                   |       |
|                                                                                                                                                                                                                                                                                                                             |      |                                                  |                           |                                                                                   | 10.00     |                                                                                                                                                                   |       |
| <b>KEY</b><br>D - Disturbed Sample<br>B - Bulk Sample<br>W - Water Sample<br>V - Hand Shear Vane kPa<br> - Groundwater Strike<br> - Groundwater Level |      |                                                  |                           |                                                                                   |           | <b>REMARKS</b><br>No Groundwater Encountered<br>Trial pit backfilled with arisings.                                                                               |       |



|                                                                                                          |      |                                                  |                           |                                                                                    |                                                                          |                                                                                                                                                                                                             |       |
|----------------------------------------------------------------------------------------------------------|------|--------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|                         |      | Project Title: Langstone Technology Park, Havant |                           |                                                                                    | SA1                                                                      |                                                                                                                                                                                                             |       |
|                                                                                                          |      | Project Number: 10/1425                          | Client: AG Langstone B.V. | Sheet 1 Of 1                                                                       |                                                                          |                                                                                                                                                                                                             |       |
|                                                                                                          |      | GL (mAOD):                                       |                           | N Coord: 50.848068                                                                 | E Coord: -0.987702                                                       |                                                                                                                                                                                                             |       |
| Date: 19/07/2019                                                                                         |      | Method: JCB                                      | Logged By: SHP            | Scale: 1:50                                                                        |                                                                          |                                                                                                                                                                                                             |       |
| Depth (m)                                                                                                | Type | Test Result                                      | Level                     | Legend                                                                             | Depth (m)                                                                | Description                                                                                                                                                                                                 | Water |
| 0.30                                                                                                     | ES   |                                                  |                           |  | 0.45                                                                     | MADE GROUND: Grass over brown very clayey gravelly fine to medium sand. Abundant rootlets towards the top of the unit. Gravel is angular to sub-rounded fine to coarse of flint. Rare fragments of plastic. |       |
| 0.60                                                                                                     | ES   |                                                  |                           |                                                                                    | 0.65                                                                     |                                                                                                                                                                                                             |       |
| 0.70                                                                                                     | B    |                                                  |                           |                                                                                    | 1.00                                                                     | MADE GROUND: Brownish grey sandy gravelly cobbles of brick and concrete with fragments of tarmac, shells and metal.                                                                                         |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 1.20                                                                     |                                                                                                                                                                                                             |       |
| 1.30                                                                                                     | ES   |                                                  |                           |                                                                                    | 1.60                                                                     | Brown clayey very sandy angular to sub-rounded fine to coarse GRAVEL of of flint.                                                                                                                           |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 2.00                                                                     | Firm dark brownish grey sandy CLAY with fragments of wood.                                                                                                                                                  |       |
|                                                                                                          |      |                                                  |                           |                                                                                    |                                                                          | Firm light grey sandy slightly gravelly CLAY with rare fragments of wood. Gravel is sub-rounded fine to coarse of flint.                                                                                    |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 3.00                                                                     | End Of Trial Pit At 2.05 m                                                                                                                                                                                  |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 4.00                                                                     |                                                                                                                                                                                                             |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 5.00                                                                     |                                                                                                                                                                                                             |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 6.00                                                                     |                                                                                                                                                                                                             |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 7.00                                                                     |                                                                                                                                                                                                             |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 8.00                                                                     |                                                                                                                                                                                                             |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 9.00                                                                     |                                                                                                                                                                                                             |       |
|                                                                                                          |      |                                                  |                           |                                                                                    | 10.00                                                                    |                                                                                                                                                                                                             |       |
| KEY                                                                                                      |      |                                                  |                           |                                                                                    | REMARKS                                                                  |                                                                                                                                                                                                             |       |
| D - Disturbed Sample                                                                                     |      |                                                  |                           |                                                                                    | No Groundwater Encountered                                               |                                                                                                                                                                                                             |       |
| B - Bulk Sample                                                                                          |      |                                                  |                           |                                                                                    | Trial Pit used for soakaway testing. Trial pit backfilled with arisings. |                                                                                                                                                                                                             |       |
| W - Water Sample                                                                                         |      |                                                  |                           |                                                                                    |                                                                          |                                                                                                                                                                                                             |       |
| V - Hand Shear Vane kPa                                                                                  |      |                                                  |                           |                                                                                    |                                                                          |                                                                                                                                                                                                             |       |
|                      |      |                                                  |                           |                                                                                    |                                                                          |                                                                                                                                                                                                             |       |
|  - Groundwater Strike |      |                                                  |                           |                                                                                    |                                                                          |                                                                                                                                                                                                             |       |
|  - Groundwater Level  |      |                                                  |                           |                                                                                    |                                                                          |                                                                                                                                                                                                             |       |



|                                                                                                          |         |                                                  |       |                                                                                    |                                                                                                        |                                                                                                                                                                                                                                        |       |
|----------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------|-------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|                         |         | Project Title: Langstone Technology Park, Havant |       |                                                                                    |                                                                                                        | SA2                                                                                                                                                                                                                                    |       |
|                                                                                                          |         | Project Number: 10/1425                          |       | Client: AG Langstone B.V.                                                          |                                                                                                        |                                                                                                                                                                                                                                        |       |
|                                                                                                          |         | GL (mAOD):                                       |       | N Coord: 50.845255                                                                 |                                                                                                        | E Coord: -0.987848                                                                                                                                                                                                                     |       |
| Date: 19/07/2019                                                                                         |         | Method: JCB                                      |       | Logged By: SHP                                                                     |                                                                                                        | Scale: 1:50                                                                                                                                                                                                                            |       |
| Depth (m)                                                                                                | Type    | Test Result                                      | Level | Legend                                                                             | Depth (m)                                                                                              | Description                                                                                                                                                                                                                            | Water |
| 0.60<br>0.70                                                                                             | B<br>ES |                                                  |       |  | 0.10                                                                                                   | MADE GROUND: Grass over brown clayey gravelly sand. Gravel is angular to sub-rounded fine to coarse of flint with fragments of brick and cement.                                                                                       |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 1.00                                                                                                   | MADE GROUND: Brown slightly clayey gravelly fine to coarse sand with a medium cobble and boulder content of brick, concrete and pottery. Gravel is angular to sub-rounded fine to coarse of brick, flint, concrete, pottery and slate. |       |
| 1.80                                                                                                     | B       |                                                  |       |                                                                                    | 1.50                                                                                                   | MADE GROUND: Firm brown sandy slightly gravelly CLAY. Gravel is sub-rounded fine to coarse of flint. Masonry structure in east of the trial pit.                                                                                       |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 2.00<br>2.10                                                                                           | End Of Trial Pit At 2.10 m                                                                                                                                                                                                             |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 3.00                                                                                                   |                                                                                                                                                                                                                                        |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 4.00                                                                                                   |                                                                                                                                                                                                                                        |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 5.00                                                                                                   |                                                                                                                                                                                                                                        |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 6.00                                                                                                   |                                                                                                                                                                                                                                        |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 7.00                                                                                                   |                                                                                                                                                                                                                                        |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 8.00                                                                                                   |                                                                                                                                                                                                                                        |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 9.00                                                                                                   |                                                                                                                                                                                                                                        |       |
|                                                                                                          |         |                                                  |       |                                                                                    | 10.00                                                                                                  |                                                                                                                                                                                                                                        |       |
| KEY                                                                                                      |         |                                                  |       |                                                                                    | REMARKS                                                                                                |                                                                                                                                                                                                                                        |       |
| D - Disturbed Sample<br>B - Bulk Sample<br>W - Water Sample<br>V - Hand Shear Vane kPa                   |         |                                                  |       |                                                                                    | No Groundwater Encountered<br>Trial pit used for soakaway testing. Trial pit backfilled with arisings. |                                                                                                                                                                                                                                        |       |
|                      |         |                                                  |       |                                                                                    |                                                                                                        |                                                                                                                                                                                                                                        |       |
|  - Groundwater Strike |         |                                                  |       |                                                                                    |                                                                                                        |                                                                                                                                                                                                                                        |       |
|  - Groundwater Level  |         |                                                  |       |                                                                                    |                                                                                                        |                                                                                                                                                                                                                                        |       |

## FINAL ANALYTICAL TEST REPORT SUPPLEMENT TO TEST REPORT 19/07173 and 19/07261/1

**Amendments:** Request for combined report

**Envirolab Job Number:** 19/07173 and 19/07261  
**Issue Number:** 2 **Date:** 12 August, 2019

**Client:** Clancy Consulting  
Dunham Court  
2 Dunham Road  
Altrincham  
Cheshire  
UK  
WA14 4NX

**Project Manager:** Desy Korai/Sophie Harper-Pryce  
**Project Name:** Langstone Technology Park, Havant  
**Project Ref:** 10/1425  
**Order No:** 26688 / SHP / PPA /26706  
**Date Samples Received:** 25/07/19  
**Date Instructions Received:** 30/07/19  
**Date Analysis Completed:** 09/08/19

**Prepared by:**



Richard Wong  
Client Manager

**Approved by:**



Danielle Brierley  
Client Manager

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                       | 19/07173/1 | 19/07173/2 | 19/07173/5 | 19/07173/8 | 19/07173/12 | 19/07173/15 | 19/07173/16 | Units | Limit of Detection | Method ref |
|-----------------------------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                                    |            |            |            |            |             |             |             |       |                    |            |
| Client Sample ID                                    | HTP1       | HTP3       | BH1        | SA1        | WS1         | WS2         | WS2         |       |                    |            |
| Depth to Top                                        | 0.50       | 0.40       | 0.60       | 0.60       | 1.60        | 1.10        | 2.40        |       |                    |            |
| Depth To Bottom                                     |            |            |            |            |             |             |             |       |                    |            |
| Date Sampled                                        | 16-Jul-19  | 17-Jul-19  | 15-Jul-19  | 19-Jul-19  | 16-Jul-19   | 17-Jul-19   | 17-Jul-19   |       |                    |            |
| Sample Type                                         | Solid      | Soil       | Soil       | Solid      | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                                  | 7          | 5AB        | 4A         | 7          | 5A          | 5AE         | 5AE         |       |                    |            |
| % Stones >10mm <sub>A</sub>                         | <0.1       | 27.0       | 28.3       | <0.1       | 55.9        | 0.7         | <0.1        | % w/w | 0.1                | A-T-044    |
| pH <sub>0</sub> <sup>MS</sup>                       | 7.86       | 8.63       | 8.21       | 9.01       | 9.04        | 8.73        | 8.75        | pH    | 0.01               | A-T-031s   |
| Sulphate (water sol 2:1) <sub>0</sub> <sup>MS</sup> | <0.01      | -          | <0.01      | -          | <0.01       | -           | -           | g/l   | 0.01               | A-T-028s   |
| Arsenic <sub>0</sub> <sup>MS</sup>                  | 3          | <1         | -          | 4          | <1          | 6           | 5           | mg/kg | 1                  | A-T-024s   |
| Beryllium <sup>*</sup>                              | <0.5       | <0.5       | -          | <0.5       | <0.5        | 1.1         | 1.0         | mg/kg | 0.5                | A-T-034s   |
| Boron (water soluble) <sub>0</sub> <sup>MS</sup>    | <1.0       | <1.0       | -          | <1.0       | <1.0        | 2.6         | 2.4         | mg/kg | 1                  | A-T-027s   |
| Cadmium <sub>0</sub> <sup>MS</sup>                  | <0.5       | <0.5       | -          | 1.8        | <0.5        | <0.5        | <0.5        | mg/kg | 0.5                | A-T-024s   |
| Copper <sub>0</sub> <sup>MS</sup>                   | 7          | 1          | -          | 6          | 1           | 10          | 8           | mg/kg | 1                  | A-T-024s   |
| Chromium (hexavalent) <sub>0</sub>                  | <1         | <1         | -          | <1         | <1          | <1          | <1          | mg/kg | 1                  | A-T-040s   |
| Lead <sub>0</sub> <sup>MS</sup>                     | 8          | 1          | -          | 8          | 2           | 13          | 10          | mg/kg | 1                  | A-T-024s   |
| Mercury <sub>0</sub>                                | <0.17      | <0.17      | -          | <0.17      | <0.17       | <0.17       | <0.17       | mg/kg | 0.17               | A-T-024s   |
| Nickel <sub>0</sub> <sup>MS</sup>                   | 9          | 2          | -          | 23         | 15          | 54          | 56          | mg/kg | 1                  | A-T-024s   |
| Selenium <sub>0</sub> <sup>MS</sup>                 | <1         | <1         | -          | <1         | <1          | <1          | <1          | mg/kg | 1                  | A-T-024s   |
| Vanadium <sub>0</sub> <sup>MS</sup>                 | 19         | 4          | -          | 29         | 18          | 40          | 43          | mg/kg | 1                  | A-T-024s   |
| Zinc <sub>0</sub> <sup>MS</sup>                     | 24         | 6          | -          | 28         | 17          | 69          | 75          | mg/kg | 5                  | A-T-024s   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                      | 19/07173/1 | 19/07173/2 | 19/07173/5 | 19/07173/8 | 19/07173/12 | 19/07173/15 | 19/07173/16 | Units | Limit of Detection | Method ref |
|----------------------------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                                   |            |            |            |            |             |             |             |       |                    |            |
| Client Sample ID                                   | HTP1       | HTP3       | BH1        | SA1        | WS1         | WS2         | WS2         |       |                    |            |
| Depth to Top                                       | 0.50       | 0.40       | 0.60       | 0.60       | 1.60        | 1.10        | 2.40        |       |                    |            |
| Depth To Bottom                                    |            |            |            |            |             |             |             |       |                    |            |
| Date Sampled                                       | 16-Jul-19  | 17-Jul-19  | 15-Jul-19  | 19-Jul-19  | 16-Jul-19   | 17-Jul-19   | 17-Jul-19   |       |                    |            |
| Sample Type                                        | Solid      | Soil       | Soil       | Solid      | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                                 | 7          | 5AB        | 4A         | 7          | 5A          | 5AE         | 5AE         |       |                    |            |
| Asbestos in Soil (inc. matrix)                     |            |            |            |            |             |             |             |       |                    |            |
| Asbestos in soil <sup>8</sup>                      | NAD        | -          | NAD        | NAD        | -           | -           | -           |       |                    | A-T-045    |
| Asbestos ACM - Suitable for Water Absorption Test? | N/A        | -          | N/A        | N/A        | -           | -           | -           |       |                    |            |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                    | 19/07173/1 | 19/07173/2 | 19/07173/5 | 19/07173/8 | 19/07173/12 | 19/07173/15 | 19/07173/16 | Units | Limit of Detection | Method ref |
|--------------------------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                                 |            |            |            |            |             |             |             |       |                    |            |
| Client Sample ID                                 | HTP1       | HTP3       | BH1        | SA1        | WS1         | WS2         | WS2         |       |                    |            |
| Depth to Top                                     | 0.50       | 0.40       | 0.60       | 0.60       | 1.60        | 1.10        | 2.40        |       |                    |            |
| Depth To Bottom                                  |            |            |            |            |             |             |             |       |                    |            |
| Date Sampled                                     | 16-Jul-19  | 17-Jul-19  | 15-Jul-19  | 19-Jul-19  | 16-Jul-19   | 17-Jul-19   | 17-Jul-19   |       |                    |            |
| Sample Type                                      | Solid      | Soil       | Soil       | Solid      | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                               | 7          | 5AB        | 4A         | 7          | 5A          | 5AE         | 5AE         |       |                    |            |
| PAH-16MS                                         |            |            |            |            |             |             |             |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>MS</sup>          | <0.01      | <0.01      | -          | 0.01       | <0.01       | 1.64        | <0.01       | mg/kg | 0.01               | A-T-019a   |
| Acenaphthylene <sub>A</sub> <sup>MS</sup>        | <0.01      | <0.01      | -          | <0.01      | <0.01       | 0.12        | <0.01       | mg/kg | 0.01               | A-T-019a   |
| Anthracene <sub>A</sub> <sup>MS</sup>            | <0.02      | <0.02      | -          | <0.02      | <0.02       | 1.47        | <0.02       | mg/kg | 0.02               | A-T-019a   |
| Benzo(a)anthracene <sub>A</sub> <sup>MS</sup>    | 0.14       | 0.05       | -          | 0.15       | <0.04       | 2.48        | <0.04       | mg/kg | 0.04               | A-T-019a   |
| Benzo(a)pyrene <sub>A</sub> <sup>MS</sup>        | 0.32       | 0.05       | -          | 0.19       | <0.04       | 2.22        | <0.04       | mg/kg | 0.04               | A-T-019a   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>MS</sup>  | 0.36       | 0.06       | -          | 0.25       | <0.05       | 3.26        | <0.05       | mg/kg | 0.05               | A-T-019a   |
| Benzo(ghi)perylene <sub>A</sub> <sup>MS</sup>    | 0.59       | <0.05      | -          | 0.20       | <0.05       | 1.15        | <0.05       | mg/kg | 0.05               | A-T-019a   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>MS</sup>  | 0.12       | <0.07      | -          | 0.08       | <0.07       | 0.97        | <0.07       | mg/kg | 0.07               | A-T-019a   |
| Chrysene <sub>A</sub> <sup>MS</sup>              | 0.19       | <0.06      | -          | 0.19       | <0.06       | 2.80        | <0.06       | mg/kg | 0.06               | A-T-019a   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>MS</sup> | 0.13       | <0.04      | -          | 0.05       | <0.04       | 0.47        | <0.04       | mg/kg | 0.04               | A-T-019a   |
| Fluoranthene <sub>A</sub> <sup>MS</sup>          | <0.08      | 0.08       | -          | 0.20       | <0.08       | 7.14        | <0.08       | mg/kg | 0.08               | A-T-019a   |
| Fluorene <sub>A</sub> <sup>MS</sup>              | <0.01      | <0.01      | -          | <0.01      | <0.01       | 1.84        | <0.01       | mg/kg | 0.01               | A-T-019a   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>MS</sup>  | 0.53       | 0.05       | -          | 0.23       | <0.03       | 1.62        | <0.03       | mg/kg | 0.03               | A-T-019a   |
| Naphthalene <sub>A</sub> <sup>MS</sup>           | <0.03      | <0.03      | -          | <0.03      | <0.03       | 0.29        | <0.03       | mg/kg | 0.03               | A-T-019a   |
| Phenanthrene <sub>A</sub> <sup>MS</sup>          | <0.03      | 0.03       | -          | 0.10       | <0.03       | 6.57        | <0.03       | mg/kg | 0.03               | A-T-019a   |
| Pyrene <sub>A</sub> <sup>MS</sup>                | 0.09       | 0.08       | -          | 0.17       | <0.07       | 6.03        | <0.07       | mg/kg | 0.07               | A-T-019a   |
| Total PAH-16MS <sub>A</sub> <sup>MS</sup>        | 2.47       | 0.40       | -          | 1.82       | <0.08       | 40.1        | <0.08       | mg/kg | 0.01               | A-T-019a   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                          | 19/07173/1 | 19/07173/2 | 19/07173/5 | 19/07173/8 | 19/07173/12 | 19/07173/15 | 19/07173/16 | Units | Limit of Detection | Method ref |
|----------------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                       |            |            |            |            |             |             |             |       |                    |            |
| Client Sample ID                       | HTP1       | HTP3       | BH1        | SA1        | WS1         | WS2         | WS2         |       |                    |            |
| Depth to Top                           | 0.50       | 0.40       | 0.60       | 0.60       | 1.60        | 1.10        | 2.40        |       |                    |            |
| Depth To Bottom                        |            |            |            |            |             |             |             |       |                    |            |
| Date Sampled                           | 16-Jul-19  | 17-Jul-19  | 15-Jul-19  | 19-Jul-19  | 16-Jul-19   | 17-Jul-19   | 17-Jul-19   |       |                    |            |
| Sample Type                            | Solid      | Soil       | Soil       | Solid      | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                     | 7          | 5AB        | 4A         | 7          | 5A          | 5AE         | 5AE         |       |                    |            |
| Speciated PCB-WHO12                    |            |            |            |            |             |             |             |       |                    |            |
| PCB BZ 81 <sub>A</sub>                 | -          | -          | -          | -          | -           | <0.005      | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 105 <sub>A</sub>                | -          | -          | -          | -          | -           | 0.036       | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 114 <sub>A</sub>                | -          | -          | -          | -          | -           | <0.005      | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 118 <sub>A</sub> <sup>MF</sup>  | -          | -          | -          | -          | -           | 0.084       | -           | mg/kg | 0.007              | A-T-004s   |
| PCB BZ 123 <sub>A</sub>                | -          | -          | -          | -          | -           | <0.005      | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 126 <sub>A</sub>                | -          | -          | -          | -          | -           | <0.005      | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 156 <sub>A</sub>                | -          | -          | -          | -          | -           | 0.009       | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 157 <sub>A</sub>                | -          | -          | -          | -          | -           | <0.005      | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 167 <sub>A</sub>                | -          | -          | -          | -          | -           | 0.019       | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 169 <sub>A</sub>                | -          | -          | -          | -          | -           | <0.005      | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 189 <sub>A</sub>                | -          | -          | -          | -          | -           | <0.005      | -           | mg/kg | 0.005              | A-T-004s   |
| PCB BZ 77 <sub>A</sub>                 | -          | -          | -          | -          | -           | <0.005      | -           | mg/kg | 0.005              | A-T-004s   |
| Total Speciated PCB-WHO12 <sub>A</sub> | -          | -          | -          | -          | -           | 0.148       | -           | mg/kg | 0.005              | A-T-004s   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                  | 19/07173/1 | 19/07173/2 | 19/07173/5 | 19/07173/8 | 19/07173/12 | 19/07173/15 | 19/07173/16 | Units | Limit of Detection | Method ref |
|------------------------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                               |            |            |            |            |             |             |             |       |                    |            |
| Client Sample ID                               | HTP1       | HTP3       | BH1        | SA1        | WS1         | WS2         | WS2         |       |                    |            |
| Depth to Top                                   | 0.50       | 0.40       | 0.60       | 0.60       | 1.60        | 1.10        | 2.40        |       |                    |            |
| Depth To Bottom                                |            |            |            |            |             |             |             |       |                    |            |
| Date Sampled                                   | 16-Jul-19  | 17-Jul-19  | 15-Jul-19  | 19-Jul-19  | 16-Jul-19   | 17-Jul-19   | 17-Jul-19   |       |                    |            |
| Sample Type                                    | Solid      | Soil       | Soil       | Solid      | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                             | 7          | 5AB        | 4A         | 7          | 5A          | 5AE         | 5AE         |       |                    |            |
| TPH CWG                                        |            |            |            |            |             |             |             |       |                    |            |
| Ali >C5-C6 <sub>A</sub> <sup>8</sup>           | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |
| Ali >C6-C8 <sub>A</sub> <sup>2</sup>           | -          | -          | -          | -          | -           | 0.03        | <0.01       | mg/kg | 0.01               | A-T-022x   |
| Ali >C8-C10 <sub>A</sub>                       | -          | -          | -          | -          | -           | 18          | <1          | mg/kg | 1                  | A-T-055x   |
| Ali >C10-C12 <sub>A</sub> <sup>ME</sup>        | -          | -          | -          | -          | -           | 242         | <1          | mg/kg | 1                  | A-T-055x   |
| Ali >C12-C16 <sub>A</sub> <sup>ME</sup>        | -          | -          | -          | -          | -           | 2210        | <1          | mg/kg | 1                  | A-T-055x   |
| Ali >C16-C21 <sub>A</sub> <sup>ME</sup>        | -          | -          | -          | -          | -           | 2600        | <1          | mg/kg | 1                  | A-T-055x   |
| Ali >C21-C35 <sub>A</sub>                      | -          | -          | -          | -          | -           | 433         | <1          | mg/kg | 1                  | A-T-055x   |
| Total Aliphatics <sub>A</sub>                  | -          | -          | -          | -          | -           | 5500        | <1          | mg/kg | 1                  | A-T-055x   |
| Aro >C5-C7 <sub>A</sub> <sup>8</sup>           | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |
| Aro >C7-C8 <sub>A</sub> <sup>8</sup>           | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |
| Aro >C8-C10 <sub>A</sub>                       | -          | -          | -          | -          | -           | 22          | <1          | mg/kg | 1                  | A-T-055x   |
| Aro >C10-C12 <sub>A</sub> <sup>ME</sup>        | -          | -          | -          | -          | -           | 210         | <1          | mg/kg | 1                  | A-T-055x   |
| Aro >C12-C16 <sub>A</sub>                      | -          | -          | -          | -          | -           | 1830        | <1          | mg/kg | 1                  | A-T-055x   |
| Aro >C16-C21 <sub>A</sub> <sup>ME</sup>        | -          | -          | -          | -          | -           | 1240        | <1          | mg/kg | 1                  | A-T-055x   |
| Aro >C21-C35 <sub>A</sub> <sup>ME</sup>        | -          | -          | -          | -          | -           | 396         | 1           | mg/kg | 1                  | A-T-055x   |
| Total Aromatics <sub>A</sub>                   | -          | -          | -          | -          | -           | 3700        | 1           | mg/kg | 1                  | A-T-055x   |
| TPH (Ali & Aro >C5-C35) <sub>A</sub>           | -          | -          | -          | -          | -           | 9200        | 1           | mg/kg | 1                  | A-T-055x   |
| BTEX - Benzene <sub>A</sub> <sup>8</sup>       | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |
| BTEX - Toluene <sub>A</sub> <sup>2</sup>       | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |
| BTEX - Ethyl Benzene <sub>A</sub> <sup>8</sup> | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |
| BTEX - m & p Xylene <sub>A</sub> <sup>8</sup>  | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |
| BTEX - o Xylene <sub>A</sub> <sup>8</sup>      | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |
| MTBE <sub>A</sub> <sup>8</sup>                 | -          | -          | -          | -          | -           | <0.01       | <0.01       | mg/kg | 0.01               | A-T-022x   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                       | 19/07173/17 | 19/07173/19 | 19/07173/21 | 19/07173/22 | 19/07173/23 | 19/07173/27 | 19/07173/29 | Units | Limit of Detection | Method ref |
|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                                    |             |             |             |             |             |             |             |       |                    |            |
| Client Sample ID                                    | WS3         | WS4         | WS5         | WS5         | WS6         | WS7         | SA2         |       |                    |            |
| Depth to Top                                        | 0.25        | 1.60        | 2.60        | 3.90        | 0.80        | 1.40        | 0.70        |       |                    |            |
| Depth To Bottom                                     |             |             |             |             |             |             |             |       |                    |            |
| Date Sampled                                        | 17-Jul-19   | 17-Jul-19   | 18-Jul-19   | 18-Jul-19   | 18-Jul-19   | 18-Jul-19   | 19-Jul-19   |       |                    |            |
| Sample Type                                         | Soil        | Solid       | Solid       | Solid       | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                                  | 4A          | 7           | 7           | 7           | 4ABE        | 5AB         | 4ABE        |       |                    |            |
| % Stones >10mm <sub>A</sub>                         | 40.8        | <0.1        | <0.1        | <0.1        | 37.5        | 22.9        | 36.6        | % w/w | 0.1                | A-T-044    |
| pH <sub>0</sub> <sup>MS</sup>                       | 9.03        | 9.04        | 9.15        | 9.10        | 9.20        | 8.01        | 8.34        | pH    | 0.01               | A-T-031s   |
| Sulphate (water sol 2:1) <sub>0</sub> <sup>MS</sup> | <0.01       | -           | <0.01       | <0.01       | -           | -           | -           | g/l   | 0.01               | A-T-026s   |
| Arsenic <sub>0</sub> <sup>MS</sup>                  | <1          | <1          | <1          | <1          | <1          | 3           | 1           | mg/kg | 1                  | A-T-024s   |
| Beryllium <sup>*</sup>                              | 0.8         | 0.8         | 0.6         | <0.5        | <0.5        | 0.5         | <0.5        | mg/kg | 0.5                | A-T-034s   |
| Boron (water soluble) <sub>0</sub> <sup>MS</sup>    | 1.7         | <1.0        | <1.0        | <1.0        | <1.0        | <1.0        | <1.0        | mg/kg | 1                  | A-T-027s   |
| Cadmium <sub>0</sub> <sup>MS</sup>                  | <0.5        | <0.5        | <0.5        | <0.5        | <0.5        | <0.5        | <0.5        | mg/kg | 0.5                | A-T-024s   |
| Copper <sub>0</sub> <sup>MS</sup>                   | 2           | 5           | 3           | 1           | <1          | 12          | 7           | mg/kg | 1                  | A-T-024s   |
| Chromium (hexavalent) <sub>0</sub>                  | <1          | <1          | <1          | <1          | <1          | <1          | <1          | mg/kg | 1                  | A-T-040s   |
| Lead <sub>0</sub> <sup>MS</sup>                     | 7           | 11          | 5           | 2           | 2           | 5           | 1           | mg/kg | 1                  | A-T-024s   |
| Mercury <sub>0</sub>                                | <0.17       | <0.17       | <0.17       | <0.17       | <0.17       | <0.17       | <0.17       | mg/kg | 0.17               | A-T-024s   |
| Nickel <sub>0</sub> <sup>MS</sup>                   | 26          | 40          | 31          | 24          | 14          | 20          | 4           | mg/kg | 1                  | A-T-024s   |
| Selenium <sub>0</sub> <sup>MS</sup>                 | <1          | <1          | <1          | <1          | <1          | <1          | <1          | mg/kg | 1                  | A-T-024s   |
| Vanadium <sub>0</sub> <sup>MS</sup>                 | 24          | 51          | 41          | 18          | 12          | 22          | 6           | mg/kg | 1                  | A-T-024s   |
| Zinc <sub>0</sub> <sup>MS</sup>                     | 38          | 55          | 38          | 26          | 16          | 29          | 8           | mg/kg | 5                  | A-T-024s   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                      | 19/07173/17 | 19/07173/19 | 19/07173/21 | 19/07173/22 | 19/07173/23 | 19/07173/27 | 19/07173/29 | Units | Limit of Detection | Method ref |
|----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                                   |             |             |             |             |             |             |             |       |                    |            |
| Client Sample ID                                   | WS3         | WS4         | WS5         | WS5         | WS6         | WS7         | SA2         |       |                    |            |
| Depth to Top                                       | 0.25        | 1.60        | 2.60        | 3.90        | 0.80        | 1.40        | 0.70        |       |                    |            |
| Depth To Bottom                                    |             |             |             |             |             |             |             |       |                    |            |
| Date Sampled                                       | 17-Jul-19   | 17-Jul-19   | 18-Jul-19   | 18-Jul-19   | 18-Jul-19   | 18-Jul-19   | 19-Jul-19   |       |                    |            |
| Sample Type                                        | Soil        | Solid       | Solid       | Solid       | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                                 | 4A          | 7           | 7           | 7           | 4ABE        | 5AB         | 4ABE        |       |                    |            |
| Asbestos in Soil (inc. matrix)                     |             |             |             |             |             |             |             |       |                    |            |
| Asbestos in soil <sup>8</sup>                      | -           | -           | -           | -           | NAD         | NAD         | NAD         |       |                    | A-T-045    |
| Asbestos ACM - Suitable for Water Absorption Test? | -           | -           | -           | -           | N/A         | N/A         | N/A         |       |                    |            |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                    | 19/07173/17 | 19/07173/19 | 19/07173/21 | 19/07173/22 | 19/07173/23 | 19/07173/27 | 19/07173/29 | Units | Limit of Detection | Method ref |
|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                                 |             |             |             |             |             |             |             |       |                    |            |
| Client Sample ID                                 | WS3         | WS4         | WS5         | WS5         | WS6         | WS7         | SA2         |       |                    |            |
| Depth to Top                                     | 0.25        | 1.60        | 2.60        | 3.90        | 0.80        | 1.40        | 0.70        |       |                    |            |
| Depth To Bottom                                  |             |             |             |             |             |             |             |       |                    |            |
| Date Sampled                                     | 17-Jul-19   | 17-Jul-19   | 18-Jul-19   | 18-Jul-19   | 18-Jul-19   | 18-Jul-19   | 19-Jul-19   |       |                    |            |
| Sample Type                                      | Soil        | Solid       | Solid       | Solid       | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                               | 4A          | 7           | 7           | 7           | 4ABE        | 5AB         | 4ABE        |       |                    |            |
| PAH-16MS                                         |             |             |             |             |             |             |             |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>MS</sup>          | <0.01       | <0.01       | 0.03        | <0.01       | <0.01       | 0.02        | 0.11        | mg/kg | 0.01               | A-T-019a   |
| Acenaphthylene <sub>A</sub> <sup>MS</sup>        | <0.01       | <0.01       | <0.01       | <0.01       | 0.02        | 0.02        | 0.09        | mg/kg | 0.01               | A-T-019a   |
| Anthracene <sub>A</sub> <sup>MS</sup>            | <0.02       | <0.02       | 0.06        | <0.02       | 0.05        | 0.06        | 0.49        | mg/kg | 0.02               | A-T-019a   |
| Benzo(a)anthracene <sub>A</sub> <sup>MS</sup>    | 0.04        | <0.04       | 0.07        | <0.04       | 0.29        | 0.42        | 2.74        | mg/kg | 0.04               | A-T-019a   |
| Benzo(a)pyrene <sub>A</sub> <sup>MS</sup>        | 0.06        | <0.04       | <0.04       | <0.04       | 0.32        | 0.50        | 4.17        | mg/kg | 0.04               | A-T-019a   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>MS</sup>  | 0.09        | <0.05       | 0.06        | <0.05       | 0.36        | 0.56        | 4.35        | mg/kg | 0.05               | A-T-019a   |
| Benzo(ghi)perylene <sub>A</sub> <sup>MS</sup>    | 0.06        | <0.05       | <0.05       | <0.05       | 0.28        | 0.43        | 3.30        | mg/kg | 0.05               | A-T-019a   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>MS</sup>  | <0.07       | <0.07       | <0.07       | <0.07       | 0.12        | 0.20        | 1.61        | mg/kg | 0.07               | A-T-019a   |
| Chrysene <sub>A</sub> <sup>MS</sup>              | <0.06       | <0.06       | 0.08        | <0.06       | 0.31        | 0.46        | 2.89        | mg/kg | 0.06               | A-T-019a   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>MS</sup> | <0.04       | <0.04       | <0.04       | <0.04       | 0.07        | 0.11        | 0.68        | mg/kg | 0.04               | A-T-019a   |
| Fluoranthene <sub>A</sub> <sup>MS</sup>          | <0.08       | <0.08       | 0.27        | <0.08       | 0.52        | 0.74        | 5.78        | mg/kg | 0.08               | A-T-019a   |
| Fluorene <sub>A</sub> <sup>MS</sup>              | <0.01       | <0.01       | 0.08        | <0.01       | 0.01        | 0.02        | 0.08        | mg/kg | 0.01               | A-T-019a   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>MS</sup>  | 0.08        | <0.03       | <0.03       | <0.03       | 0.32        | 0.50        | 3.48        | mg/kg | 0.03               | A-T-019a   |
| Naphthalene <sub>A</sub> <sup>MS</sup>           | <0.03       | <0.03       | <0.03       | <0.03       | <0.03       | <0.03       | <0.03       | mg/kg | 0.03               | A-T-019a   |
| Phenanthrene <sub>A</sub> <sup>MS</sup>          | <0.03       | <0.03       | 0.18        | <0.03       | 0.21        | 0.28        | 1.64        | mg/kg | 0.03               | A-T-019a   |
| Pyrene <sub>A</sub> <sup>MS</sup>                | <0.07       | <0.07       | 0.25        | <0.07       | 0.46        | 0.68        | 5.75        | mg/kg | 0.07               | A-T-019a   |
| Total PAH-16MS <sub>A</sub> <sup>MS</sup>        | 0.33        | <0.08       | 1.08        | <0.08       | 3.34        | 5.00        | 37.2        | mg/kg | 0.01               | A-T-019a   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                  | 19/07173/17 | 19/07173/19 | 19/07173/21 | 19/07173/22 | 19/07173/23 | 19/07173/27 | 19/07173/29 | Units | Limit of Detection | Method ref |
|------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|--------------------|------------|
| Client Sample No                               |             |             |             |             |             |             |             |       |                    |            |
| Client Sample ID                               | WS3         | WS4         | WS5         | WS5         | WS6         | WS7         | SA2         |       |                    |            |
| Depth to Top                                   | 0.25        | 1.60        | 2.60        | 3.90        | 0.80        | 1.40        | 0.70        |       |                    |            |
| Depth To Bottom                                |             |             |             |             |             |             |             |       |                    |            |
| Date Sampled                                   | 17-Jul-19   | 17-Jul-19   | 18-Jul-19   | 18-Jul-19   | 18-Jul-19   | 18-Jul-19   | 19-Jul-19   |       |                    |            |
| Sample Type                                    | Soil        | Solid       | Solid       | Solid       | Soil        | Soil        | Soil        |       |                    |            |
| Sample Matrix Code                             | 4A          | 7           | 7           | 7           | 4ABE        | 5AB         | 4ABE        |       |                    |            |
| TPH CWG                                        |             |             |             |             |             |             |             |       |                    |            |
| Ali >C5-C6 <sub>A</sub> <sup>g</sup>           | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| Ali >C6-C8 <sub>A</sub> <sup>g</sup>           | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| Ali >C8-C10 <sub>A</sub>                       | -           | -           | 23          | <1          | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Ali >C10-C12 <sub>A</sub> <sup>ME</sup>        | -           | -           | 89          | <1          | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Ali >C12-C16 <sub>A</sub> <sup>ME</sup>        | -           | -           | 318         | 2           | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Ali >C16-C21 <sub>A</sub> <sup>ME</sup>        | -           | -           | 279         | 2           | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Ali >C21-C35 <sub>A</sub>                      | -           | -           | 45          | 1           | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Total Aliphatics <sub>A</sub>                  | -           | -           | 756         | 7           | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Aro >C5-C7 <sub>A</sub> <sup>g</sup>           | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| Aro >C7-C8 <sub>A</sub> <sup>g</sup>           | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| Aro >C8-C10 <sub>A</sub>                       | -           | -           | 19          | <1          | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Aro >C10-C12 <sub>A</sub> <sup>ME</sup>        | -           | -           | 65          | <1          | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Aro >C12-C16 <sub>A</sub>                      | -           | -           | 216         | 2           | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Aro >C16-C21 <sub>A</sub> <sup>ME</sup>        | -           | -           | 161         | 2           | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Aro >C21-C35 <sub>A</sub> <sup>ME</sup>        | -           | -           | 31          | 2           | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| Total Aromatics <sub>A</sub>                   | -           | -           | 494         | 6           | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| TPH (Ali & Aro >C5-C35) <sub>A</sub>           | -           | -           | 1250        | 13          | -           | -           | -           | mg/kg | 1                  | A-T-055x   |
| BTEX - Benzene <sub>A</sub> <sup>g</sup>       | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| BTEX - Toluene <sub>A</sub> <sup>g</sup>       | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| BTEX - Ethyl Benzene <sub>A</sub> <sup>g</sup> | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| BTEX - m & p Xylene <sub>A</sub> <sup>g</sup>  | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| BTEX - o Xylene <sub>A</sub> <sup>g</sup>      | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |
| MTBE <sub>A</sub> <sup>g</sup>                 | -           | -           | <0.05       | <0.01       | -           | -           | -           | mg/kg | 0.01               | A-T-022x   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                       | 19/07173/30 | 19/07173/31 | 19/07261/1 | 19/07261/2 | 19/07261/3 | 19/07261/4 | 19/07261/5 | Units | Limit of Detection | Method ref |
|-----------------------------------------------------|-------------|-------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                    |             |             |            |            |            |            |            |       |                    |            |
| Client Sample ID                                    | BH3         | BH4         | BH2        | BH2        | BH2        | BH3        | BH3        |       |                    |            |
| Depth to Top                                        | 1.00        | 1.10        | 6.00       | 9.00       | 12.50      | 5.00       | 7.50       |       |                    |            |
| Depth To Bottom                                     |             |             | 6.45       | 9.45       | 12.95      | 5.45       | 7.95       |       |                    |            |
| Date Sampled                                        | 19-Jul-19   | 24-Jul-19   | 18-Jul-19  | 18-Jul-19  | 18-Jul-19  | 23-Jul-19  | 23-Jul-19  |       |                    |            |
| Sample Type                                         | Soil        | Soil        | Solid      | Solid      | Solid      | Solid      | Solid      |       |                    |            |
| Sample Matrix Code                                  | 5A          | 4A          | 7          | 7          | 7          | 7          | 7          |       |                    |            |
| % Stones >10mm <sub>A</sub>                         | 4.1         | 16.4        | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       | % w/w | 0.1                | A-T-044    |
| pH <sub>0</sub> <sup>MS</sup>                       | 8.01        | 7.01        | 9.03       | -          | 9.00       | -          | 8.98       | pH    | 0.01               | A-T-031s   |
| Sulphate (water sol 2:1) <sub>0</sub> <sup>MS</sup> | <0.01       | <0.01       | <0.01      | -          | <0.01      | -          | <0.01      | g/l   | 0.01               | A-T-026s   |
| Total Organic Carbon <sub>0</sub> <sup>MS</sup>     | -           | 1.08        | 1.69       | 3.00       | 4.67       | 3.25       | 2.31       | % w/w | 0.03               | A-T-032s   |
| Arsenic <sub>0</sub> <sup>MS</sup>                  | <1          | <1          | -          | -          | -          | -          | -          | mg/kg | 1                  | A-T-024s   |
| Beryllium <sub>0</sub> <sup>T</sup>                 | <0.5        | <0.5        | -          | -          | -          | -          | -          | mg/kg | 0.5                | A-T-024s   |
| Boron (water soluble) <sub>0</sub> <sup>MS</sup>    | <1.0        | <1.0        | -          | -          | -          | -          | -          | mg/kg | 1                  | A-T-027s   |
| Cadmium <sub>0</sub> <sup>MS</sup>                  | <0.5        | <0.5        | -          | -          | -          | -          | -          | mg/kg | 0.5                | A-T-024s   |
| Copper <sub>0</sub> <sup>MS</sup>                   | 4           | 3           | -          | -          | -          | -          | -          | mg/kg | 1                  | A-T-024s   |
| Chromium (hexavalent) <sub>0</sub>                  | <1          | <1          | -          | -          | -          | -          | -          | mg/kg | 1                  | A-T-040s   |
| Lead <sub>0</sub> <sup>MS</sup>                     | 3           | 8           | -          | -          | -          | -          | -          | mg/kg | 1                  | A-T-024s   |
| Mercury <sub>0</sub>                                | <0.17       | <0.17       | -          | -          | -          | -          | -          | mg/kg | 0.17               | A-T-024s   |
| Nickel <sub>0</sub> <sup>MS</sup>                   | 8           | 8           | -          | -          | -          | -          | -          | mg/kg | 1                  | A-T-024s   |
| Selenium <sub>0</sub> <sup>MS</sup>                 | <1          | <1          | -          | -          | -          | -          | -          | mg/kg | 1                  | A-T-024s   |
| Vanadium <sub>0</sub> <sup>MS</sup>                 | 12          | 18          | -          | -          | -          | -          | -          | mg/kg | 1                  | A-T-024s   |
| Zinc <sub>0</sub> <sup>MS</sup>                     | 17          | 18          | -          | -          | -          | -          | -          | mg/kg | 5                  | A-T-024s   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                      | 19/07173/30 | 19/07173/31 | 19/07261/1 | 19/07261/2 | 19/07261/3 | 19/07261/4 | 19/07261/5 | Units | Limit of Detection | Method ref |
|----------------------------------------------------|-------------|-------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                   |             |             |            |            |            |            |            |       |                    |            |
| Client Sample ID                                   | BH3         | BH4         | BH2        | BH2        | BH2        | BH3        | BH3        |       |                    |            |
| Depth to Top                                       | 1.00        | 1.10        | 6.00       | 9.00       | 12.50      | 5.00       | 7.50       |       |                    |            |
| Depth To Bottom                                    |             |             | 6.45       | 9.45       | 12.95      | 5.45       | 7.95       |       |                    |            |
| Date Sampled                                       | 19-Jul-19   | 24-Jul-19   | 18-Jul-19  | 18-Jul-19  | 18-Jul-19  | 23-Jul-19  | 23-Jul-19  |       |                    |            |
| Sample Type                                        | Soil        | Soil        | Solid      | Solid      | Solid      | Solid      | Solid      |       |                    |            |
| Sample Matrix Code                                 | 5A          | 4A          | 7          | 7          | 7          | 7          | 7          |       |                    |            |
| Asbestos in Soil (inc. matrix)                     |             |             |            |            |            |            |            |       |                    |            |
| Asbestos in soil <sup>o</sup>                      | NAD         | -           | -          | -          | -          | -          | -          |       |                    | A.T.045    |
| Asbestos ACM - Suitable for Water Absorption Test? | N/A         | -           | -          | -          | -          | -          | -          |       |                    |            |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

| Lab Sample ID                                    | 19/07173/30 | 19/07173/31 | 19/07261/1 | 19/07261/2 | 19/07261/3 | 19/07261/4 | 19/07261/5 | Units | Limit of Detection | Method ref |
|--------------------------------------------------|-------------|-------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                 |             |             |            |            |            |            |            |       |                    |            |
| Client Sample ID                                 | BH3         | BH4         | BH2        | BH2        | BH2        | BH3        | BH3        |       |                    |            |
| Depth to Top                                     | 1.00        | 1.10        | 6.00       | 9.00       | 12.50      | 5.00       | 7.50       |       |                    |            |
| Depth To Bottom                                  |             |             | 6.45       | 9.45       | 12.95      | 5.45       | 7.95       |       |                    |            |
| Date Sampled                                     | 19-Jul-19   | 24-Jul-19   | 18-Jul-19  | 18-Jul-19  | 18-Jul-19  | 23-Jul-19  | 23-Jul-19  |       |                    |            |
| Sample Type                                      | Soil        | Soil        | Solid      | Solid      | Solid      | Solid      | Solid      |       |                    |            |
| Sample Matrix Code                               | 5A          | 4A          | 7          | 7          | 7          | 7          | 7          |       |                    |            |
| PAH-16MS                                         |             |             |            |            |            |            |            |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>MS</sup>          | <0.01       | 0.02        | -          | -          | -          | -          | -          | mg/kg | 0.01               | A-T-019a   |
| Acenaphthylene <sub>A</sub> <sup>MS</sup>        | <0.01       | 0.03        | -          | -          | -          | -          | -          | mg/kg | 0.01               | A-T-019a   |
| Anthracene <sub>A</sub> <sup>MS</sup>            | <0.02       | 0.06        | -          | -          | -          | -          | -          | mg/kg | 0.02               | A-T-019a   |
| Benzo(a)anthracene <sub>A</sub> <sup>MS</sup>    | <0.04       | 0.46        | -          | -          | -          | -          | -          | mg/kg | 0.04               | A-T-019a   |
| Benzo(a)pyrene <sub>A</sub> <sup>MS</sup>        | <0.04       | 0.57        | -          | -          | -          | -          | -          | mg/kg | 0.04               | A-T-019a   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>MS</sup>  | <0.05       | 0.74        | -          | -          | -          | -          | -          | mg/kg | 0.05               | A-T-019a   |
| Benzo(ghi)perylene <sub>A</sub> <sup>MS</sup>    | <0.05       | 0.58        | -          | -          | -          | -          | -          | mg/kg | 0.05               | A-T-019a   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>MS</sup>  | <0.07       | 0.26        | -          | -          | -          | -          | -          | mg/kg | 0.07               | A-T-019a   |
| Chrysene <sub>A</sub> <sup>MS</sup>              | <0.06       | 0.58        | -          | -          | -          | -          | -          | mg/kg | 0.06               | A-T-019a   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>MS</sup> | <0.04       | 0.14        | -          | -          | -          | -          | -          | mg/kg | 0.04               | A-T-019a   |
| Fluoranthene <sub>A</sub> <sup>MS</sup>          | <0.08       | 0.66        | -          | -          | -          | -          | -          | mg/kg | 0.08               | A-T-019a   |
| Fluorene <sub>A</sub> <sup>MS</sup>              | <0.01       | 0.02        | -          | -          | -          | -          | -          | mg/kg | 0.01               | A-T-019a   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>MS</sup>  | <0.03       | 0.63        | -          | -          | -          | -          | -          | mg/kg | 0.03               | A-T-019a   |
| Naphthalene <sub>A</sub> <sup>MS</sup>           | <0.03       | <0.03       | -          | -          | -          | -          | -          | mg/kg | 0.03               | A-T-019a   |
| Phenanthrene <sub>A</sub> <sup>MS</sup>          | 0.03        | 0.20        | -          | -          | -          | -          | -          | mg/kg | 0.03               | A-T-019a   |
| Pyrene <sub>A</sub> <sup>MS</sup>                | <0.07       | 0.65        | -          | -          | -          | -          | -          | mg/kg | 0.07               | A-T-019a   |
| Total PAH-16MS <sub>A</sub> <sup>MS</sup>        | <0.08       | 5.60        | -          | -          | -          | -          | -          | mg/kg | 0.01               | A-T-019a   |

Envirolab Job Number: 19/07173 and 19/07261

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

|                                                     |            |  |  |  |  |  |  |       |                    |            |
|-----------------------------------------------------|------------|--|--|--|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                       | 19/07261/6 |  |  |  |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                    |            |  |  |  |  |  |  |       |                    |            |
| Client Sample ID                                    | BH3        |  |  |  |  |  |  |       |                    |            |
| Depth to Top                                        | 10.50      |  |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                     | 10.95      |  |  |  |  |  |  |       |                    |            |
| Date Sampled                                        | 23-Jul-19  |  |  |  |  |  |  |       |                    |            |
| Sample Type                                         | Solid      |  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                                  | 7          |  |  |  |  |  |  |       |                    |            |
| % Stones >10mm <sub>A</sub>                         | <0.1       |  |  |  |  |  |  | % w/w | 0.1                | A-T-044    |
| pH <sub>0</sub> <sup>NE</sup>                       | 9.09       |  |  |  |  |  |  | pH    | 0.01               | A-T-031s   |
| Sulphate (water sol 2:1) <sub>0</sub> <sup>NE</sup> | <0.01      |  |  |  |  |  |  | g/l   | 0.01               | A-T-026s   |
| Total Organic Carbon <sub>0</sub> <sup>NE</sup>     | 4.63       |  |  |  |  |  |  | % w/w | 0.03               | A-T-032s   |

## **REPORT NOTES**

### **General**

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

### **Soil chemical analysis:**

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

### **TPH analysis of water by method A-T-007:**

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

### **Electrical Conductivity of water by Method A-T-037:**

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

### **Asbestos:**

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

### **Predominant Matrix Codes:**

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

### **Secondary Matrix Codes:**

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

### **Key:**

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

## Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR  
Tel. 0161 368 4921 email. ask@envlab.co.uk

**Client:** Clancy Consulting, Dunham Court, 2 Dunham Road, Altrincham, Cheshire, UK, **Project No:** 19/07173  
WA14 4NX **Date Received:** 30/07/2019 (am)  
**Project:** Langstone Technology Park, Havant **Cool Box Temperatures (°C):** 16.7, 17.3, 20.0  
**Clients Project No:** 10/1425

| Lab Sample ID          | 19/07173/1 | 19/07173/12 | 19/07173/21 |
|------------------------|------------|-------------|-------------|
| Client Sample No       |            |             |             |
| Client Sample ID/Depth | HTP1 0.50m | WS1 1.60m   | WS5 2.60m   |
| Date Sampled           | 16/07/19   | 16/07/19    | 18/07/19    |
| Deviation Code         |            |             |             |
| F                      | ✓          | ✓           | ✓           |

Key

F

Maximum holding time exceeded between sampling date and analysis for analytes listed below

### HOLDING TIME EXCEEDANCES

| Lab Sample ID          | 19/07173/1 | 19/07173/12 | 19/07173/21 |
|------------------------|------------|-------------|-------------|
| Client Sample No       |            |             |             |
| Client Sample ID/Depth | HTP1 0.50m | WS1 1.60m   | WS5 2.60m   |
| Date Sampled           | 16/07/19   | 16/07/19    | 18/07/19    |
| PAH-16MS               | ✓          | ✓           |             |
| VPHCWG                 |            |             | ✓           |

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.



# LABORATORY REPORT



4043

**Contract Number: PSL19/4664**

Report Date: 14 August 2019  
Client's Reference: 10/1425  
Client Name: Clancy Consulting  
Dunham Court  
2 Dunham Road  
Altrincham  
Cheshire  
WA144NX

**For the attention of: Sophie Harper-Pryce**

Contract Title: Langstone Technology Park, Havant

Date Received: 1/8/2019  
Date Commenced: 1/8/2019  
Date Completed: 14/8/2019

**Notes: Opinions and Interpretations are outside the UKAS Accreditation**

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

  
R Gunson  
(Director)

A Watkins  
(Director)

R Berriman  
(Quality Manager)

S Royle  
(Laboratory Manager)

S Eyre  
(Senior Technician)

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Page 1 of

## SUMMARY OF LABORATORY SOIL DESCRIPTIONS

| Hole Number | Sample Number | Sample Type | Top Depth m | Base Depth m | Description of Sample                                       |
|-------------|---------------|-------------|-------------|--------------|-------------------------------------------------------------|
| WS1         |               | D           | 4.80        |              | White CHALK.                                                |
| WS2         |               | B           | 0.60        | 0.80         | Brown very sandy very clayey GRAVEL of flint and chalk.     |
| HTP3        |               | B           | 0.15        | 0.20         | MADE GROUND brown sandy slightly silty gravel.              |
| SA1         |               | B           | 0.70        |              | Brown slightly sandy very clayey GRAVEL of flint and chalk. |
| SA2         |               | B           | 0.60        |              | MADE GROUND brown sandy very clayey gravel.                 |
| BH4         |               | D           | 6.50        |              | White CHALK.                                                |
| BH4         |               | D           | 9.10        |              | White CHALK.                                                |
| BH4         |               | D           | 11.50       |              | White CHALK.                                                |
| BH4         |               | D           | 18.90       |              | White CHALK.                                                |
| BH1         |               | U           | 6.00        | 6.45         | Soft white structureless CHALK.                             |
| BH1         |               | U           | 10.50       | 10.95        | White structureless CHALK.                                  |
| BH2         |               | U           | 5.00        | 5.45         | White structureless CHALK.                                  |
| BH2         |               | U           | 7.50        | 7.95         | White structureless CHALK.                                  |
| BH2         |               | U           | 17.00       | 17.45        | Brown mottled grey very gravelly sandy CLAY.                |
| BH3         |               | U           | 9.00        | 9.45         | White structureless CHALK.                                  |
| BH2         |               | D           | 5.60        |              | White CHALK.                                                |
| BH2         |               | D           | 8.00        |              | White CHALK.                                                |
| BH3         |               | D           | 19.00       |              | White CHALK.                                                |
| BH3         |               | D           | 21.00       | 21.45        | White CHALK.                                                |



Langstone Technology Park, Havant

**Contract No:**

**PSL19/4664**

**Client Ref:**

**10/1425**

## SUMMARY OF LABORATORY SOIL DESCRIPTIONS

| Hole Number | Sample Number | Sample Type | Top Depth m | Base Depth m | Description of Sample                            |
|-------------|---------------|-------------|-------------|--------------|--------------------------------------------------|
| WS1         |               | D           | 2.50        |              | Brown very gravelly CLAY.                        |
| WS3         |               | D           | 1.50        |              | Brown sandy clayey silty GRAVEL.                 |
| BH4         |               | D           | 2.10        |              | Brown very gravelly sandy CLAY.                  |
| SA1         |               | D           | 1.30        |              | Brown CLAY.                                      |
| WS4         |               | D           | 2.90        |              | Greyish brown slightly gravelly very silty CLAY. |
|             |               |             |             |              |                                                  |
|             |               |             |             |              |                                                  |
|             |               |             |             |              |                                                  |
|             |               |             |             |              |                                                  |
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|             |               |             |             |              |                                                  |
|             |               |             |             |              |                                                  |
|             |               |             |             |              |                                                  |



Langstone Technology Park, Havant

|                     |
|---------------------|
| <b>Contract No:</b> |
| <b>PSL19/4664</b>   |
| <b>Client Ref:</b>  |
| <b>10/1425</b>      |

## SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

[illegible]

**SYMBOLS :** NP : Non Plastic

\* : Liquid Limit and Plastic Limit Wet Sieved.



4043

**PSL**  
Professional Soils Laboratory

**Langstone Technology Park, Havant**

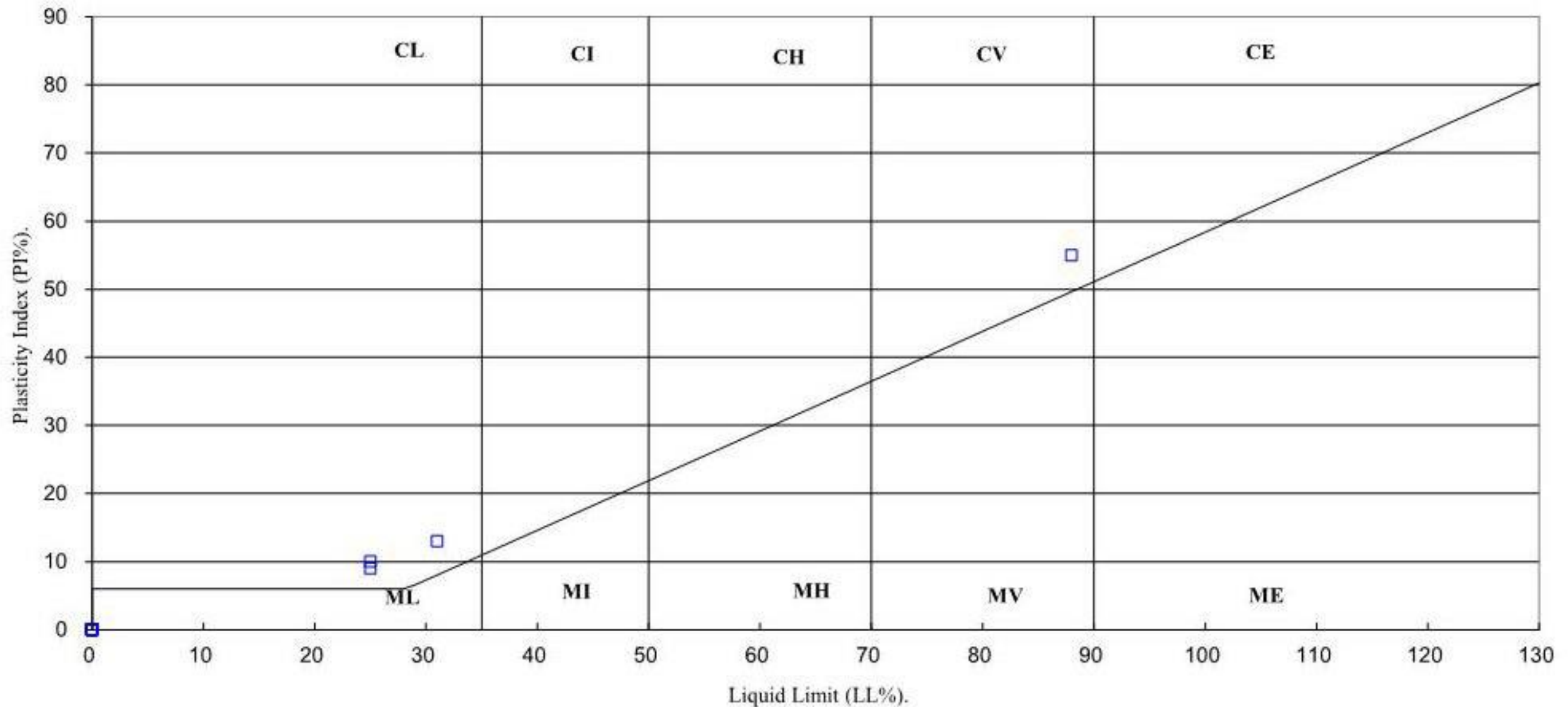
**Contract No:**

PSL19/4664

**Client Ref:**

10/1425

# PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



4043

**PSL**

**Professional Soils Laboratory**

Langstone Technology Park, Havant

**Contract No:**

**PSL19/4664**

**Client Ref:**

**10/1425**

## SUMMARY OF CHALK TESTS

(BS1377 : PART 2 & 4 : 1990)

[illegible]

\* CCV testing is not UKAS accredited



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## SUMMARY OF SOIL DENSITY RELATED TESTS

(BS1377 : PART 2 & 4 : 1990 )

[illegible]

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# PARTICLE SIZE DISTRIBUTION TEST

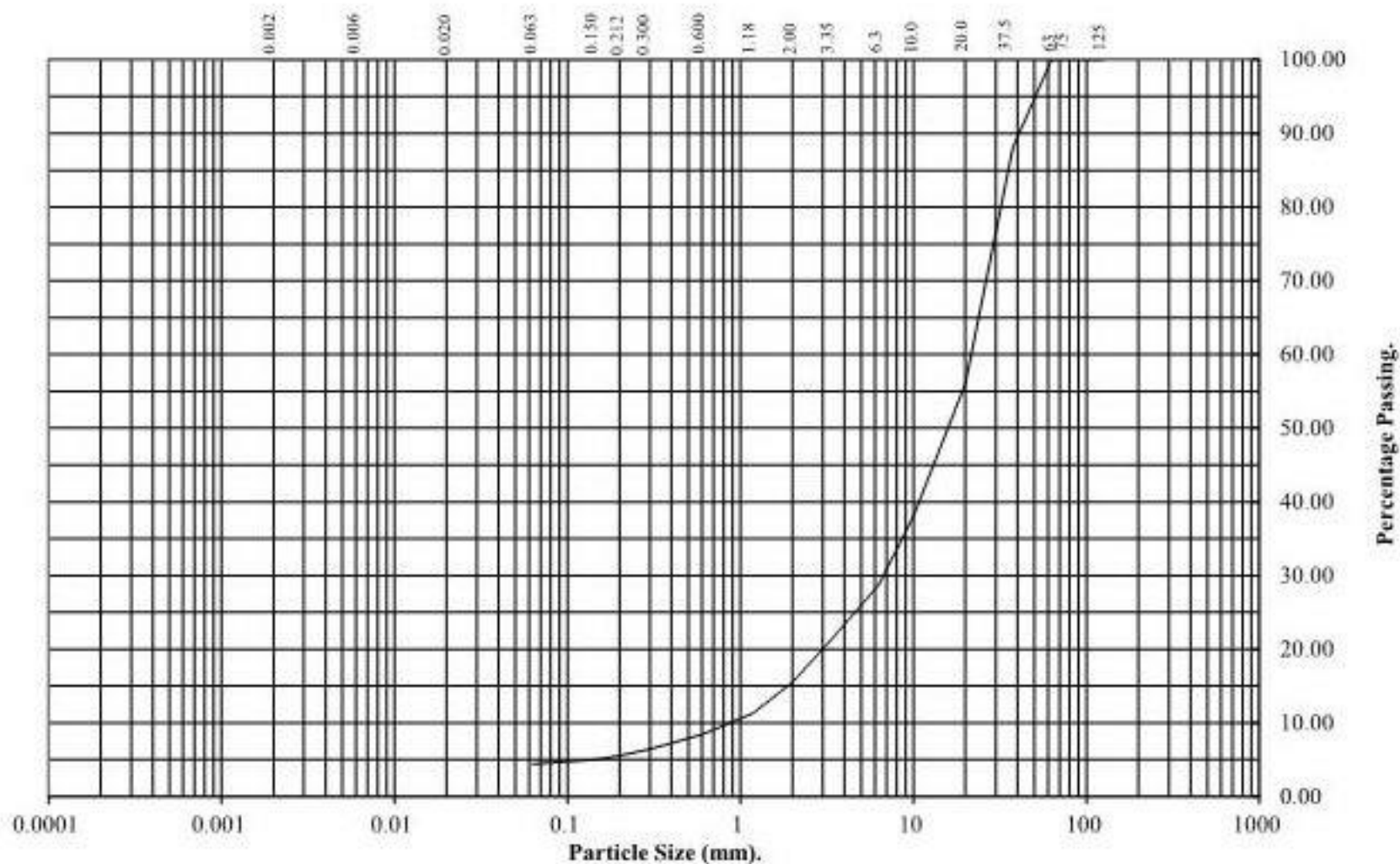
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: HTP3 Top Depth (m): 0.15

Sample Number: Base Depth(m): 0.20

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 88                 |
| 20                 | 56                 |
| 10                 | 38                 |
| 6.3                | 29                 |
| 3.35               | 21                 |
| 2                  | 16                 |
| 1.18               | 11                 |
| 0.6                | 8                  |
| 0.3                | 6                  |
| 0.212              | 6                  |
| 0.15               | 5                  |
| 0.063              | 4                  |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 84               |
| Sand          | 12               |
| Silt/Clay     | 4                |

## Remarks:

See Summary of Soil Descriptions



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# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number:

WS3

Top Depth (m):

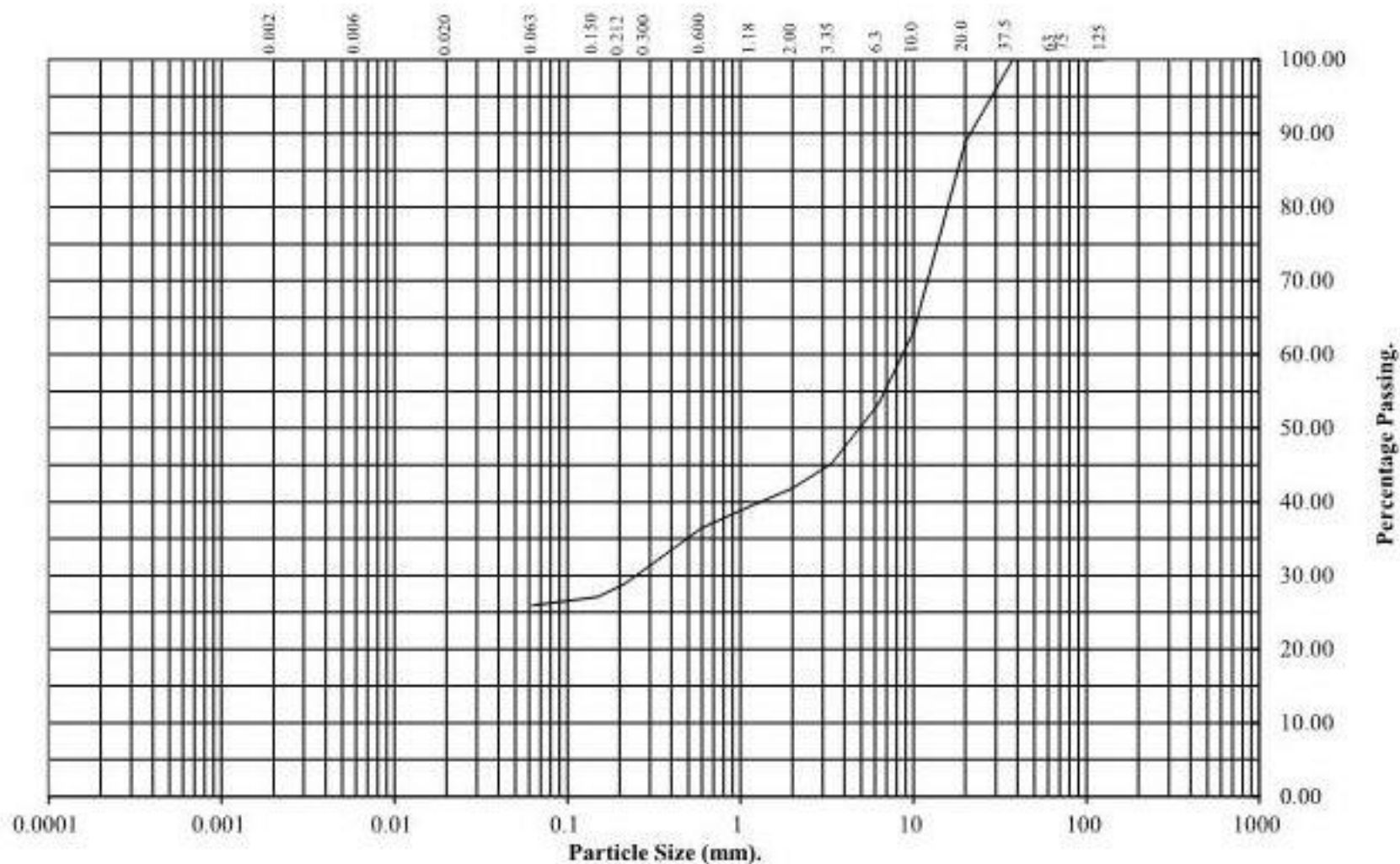
1.50

Sample Number:

Base Depth(m):

Sample Type:

D



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 100                |
| 20                 | 89                 |
| 10                 | 63                 |
| 6.3                | 53                 |
| 3.35               | 45                 |
| 2                  | 42                 |
| 1.18               | 40                 |
| 0.6                | 36                 |
| 0.3                | 31                 |
| 0.212              | 29                 |
| 0.15               | 27                 |
| 0.063              | 26                 |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 58               |
| Sand          | 16               |
| Silt/Clay     | 26               |

## Remarks:

See Summary of Soil Descriptions



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# CALIFORNIA BEARING RATIO TEST

Non compliance with BS 1377 : Part 4 : 1990

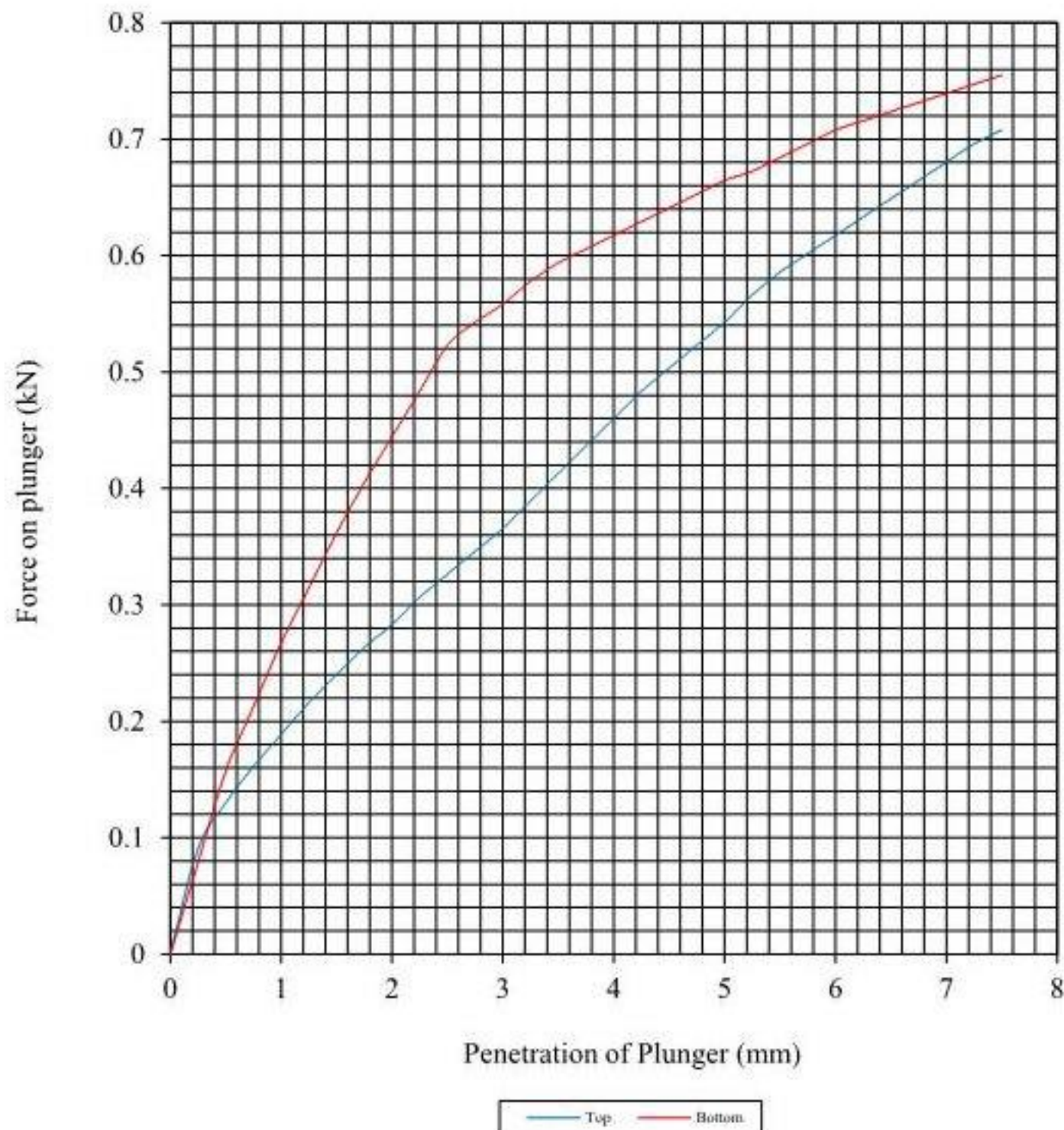
Hole Number: SA1

Top Depth (m): 0.70

Sample Number:

Base Depth (m):

Sample Type: B



| Initial Sample Conditions                  |      | Sample Preparation |      | Final Moisture Content %                    |    | C.B.R. Value % |     |
|--------------------------------------------|------|--------------------|------|---------------------------------------------|----|----------------|-----|
| Moisture Content:                          | 14   | Surcharge Kg:      | 4.20 | Sample Top                                  | 15 | Sample Top     | 2.7 |
| Bulk Density Mg/m3:                        | 2.13 | Soaking Time hrs   | 96   | Sample Bottom                               | 15 | Sample Bottom  | 4.0 |
| Dry Density Mg/m3:                         | 1.87 | Swelling mm:       | 0.11 | Remarks : See Summary of Soil Descriptions. |    |                |     |
| Percentage retained on 20mm BS test sieve: |      |                    | 47   |                                             |    |                |     |
| Compaction Conditions                      |      | 4.5kg              |      |                                             |    |                |     |



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# CALIFORNIA BEARING RATIO TEST

Non compliance with BS 1377 : Part 4 : 1990

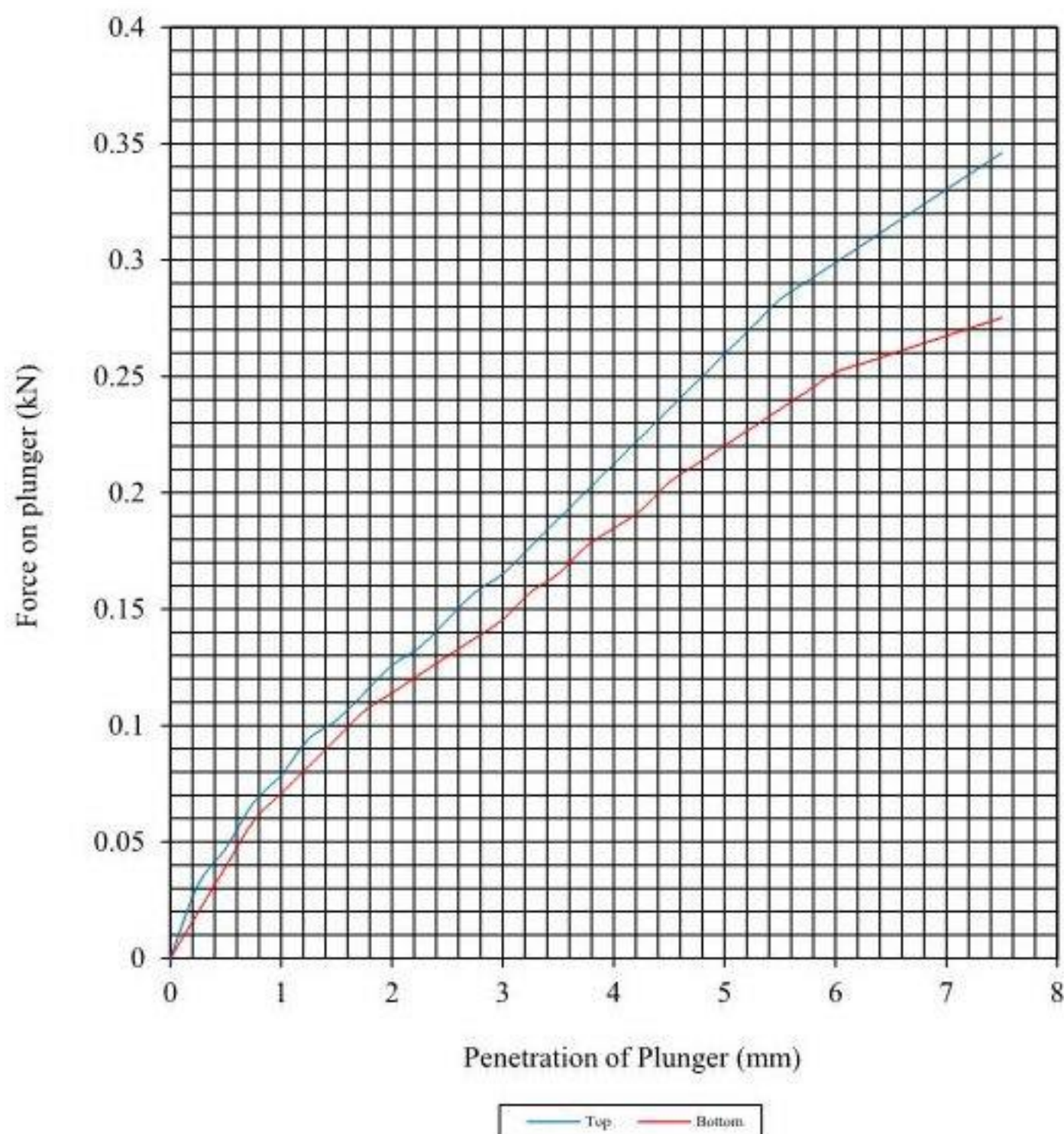
Hole Number: SA2

Top Depth (m): 0.60

Sample Number:

Base Depth (m):

Sample Type: B



| Initial Sample Conditions                  |      | Sample Preparation |      | Final Moisture Content %                    |    | C.B.R. Value % |     |
|--------------------------------------------|------|--------------------|------|---------------------------------------------|----|----------------|-----|
| Moisture Content:                          | 20   | Surcharge Kg:      | 4.20 | Sample Top                                  | 22 | Sample Top     | 1.3 |
| Bulk Density Mg/m3:                        | 1.95 | Soaking Time hrs   | 96   | Sample Bottom                               | 21 | Sample Bottom  | 1.1 |
| Dry Density Mg/m3:                         | 1.63 | Swelling mm:       | 0.68 | Remarks : See Summary of Soil Descriptions. |    |                |     |
| Percentage retained on 20mm BS test sieve: |      |                    | 43   |                                             |    |                |     |
| Compaction Conditions                      |      | 4.5kg              |      |                                             |    |                |     |



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# CALIFORNIA BEARING RATIO TEST

Non compliance with BS 1377 : Part 4 : 1990

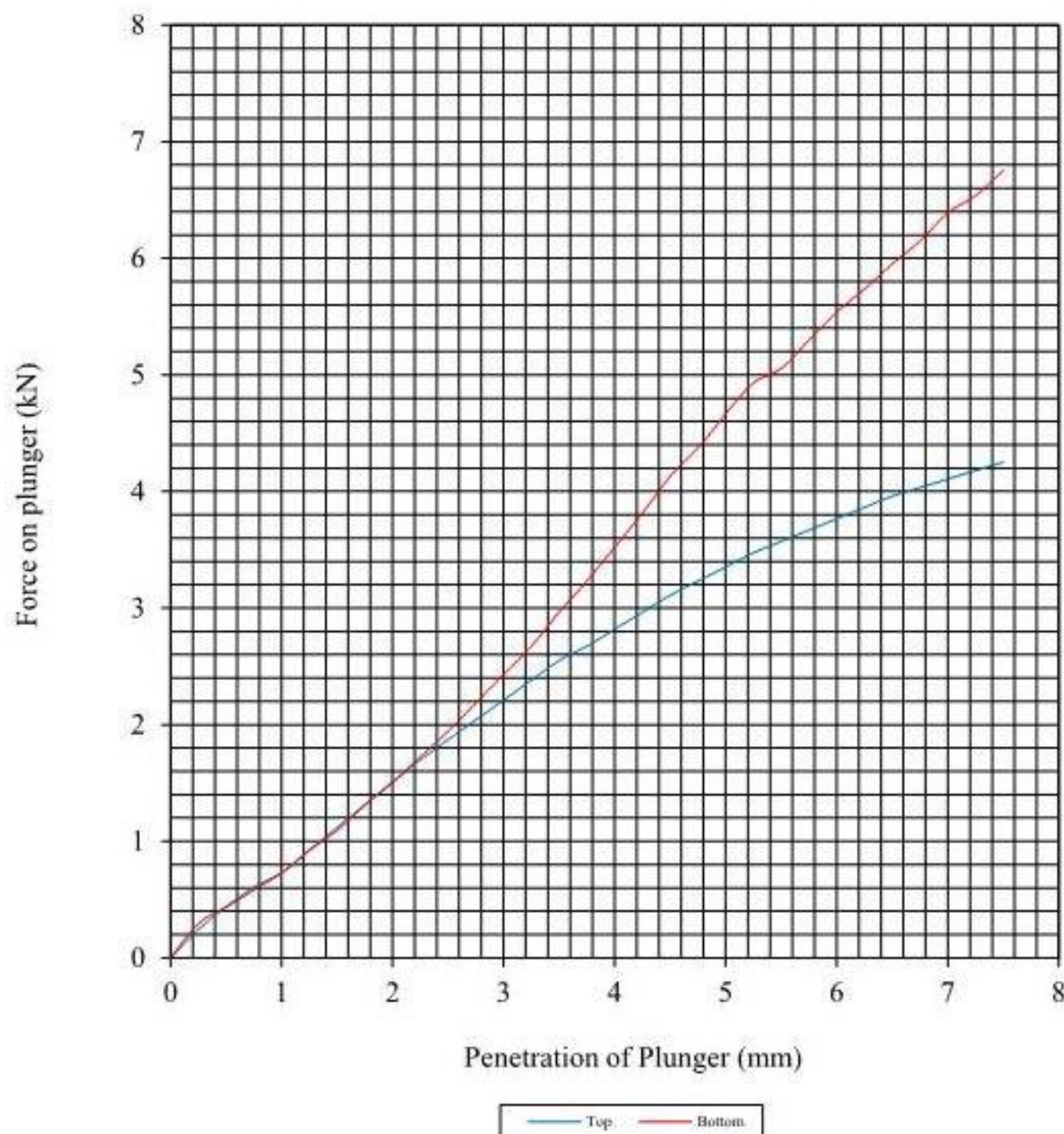
Hole Number: WS2

Top Depth (m): 0.60

Sample Number:

Base Depth (m): 0.80

Sample Type: B



| Initial Sample Conditions                  |      | Sample Preparation |      | Final Moisture Content %                    |    | C.B.R. Value % |      |
|--------------------------------------------|------|--------------------|------|---------------------------------------------|----|----------------|------|
| Moisture Content:                          | 11   | Surcharge Kg:      | 4.20 | Sample Top                                  | 14 | Sample Top     | 16.8 |
| Bulk Density Mg/m3:                        | 2.10 | Soaking Time hrs   | 96   | Sample Bottom                               | 12 | Sample Bottom  | 23.3 |
| Dry Density Mg/m3:                         | 1.90 | Swelling mm:       | 1.86 | Remarks : See Summary of Soil Descriptions. |    |                |      |
| Percentage retained on 20mm BS test sieve: |      |                    | 30   |                                             |    |                |      |
| Compaction Conditions                      |      | 4.5kg              |      |                                             |    |                |      |



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# UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION

WITHOUT MEASUREMENT OF PORE PRESSURE

BS1377 : Part7 : 1990: Clause 8

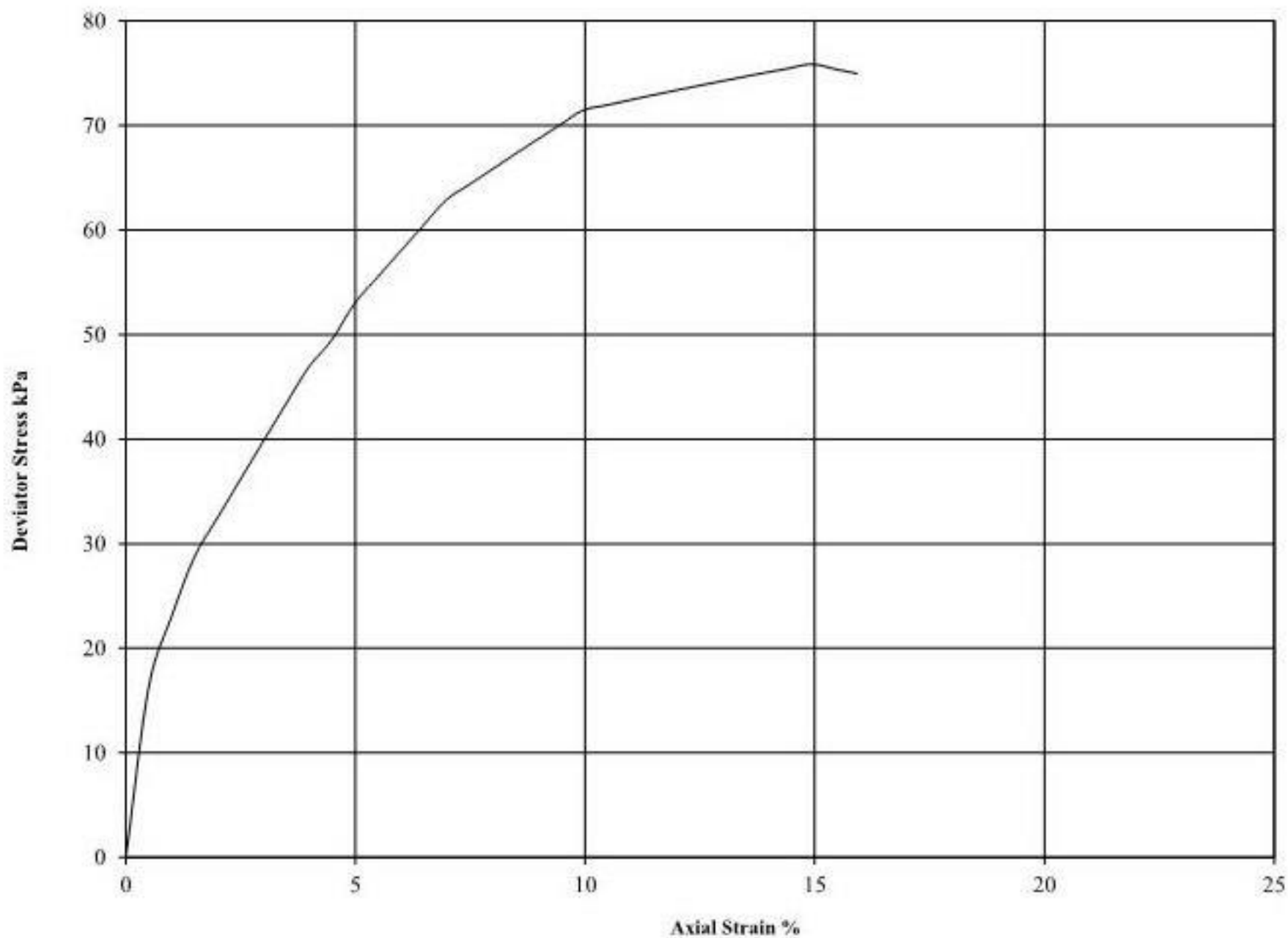
Hole Number: BH1

Top Depth (m): 6.00

Sample Number:

Base Depth (m): 6.45

Sample Type U



| Diameter (mm): |                      | 103                               |                                  | Height (mm):        |                                  | 207                                  |                    | Test:           | UU Single Stage                                                                                                                                                                     |  | Remarks: |
|----------------|----------------------|-----------------------------------|----------------------------------|---------------------|----------------------------------|--------------------------------------|--------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|
| Specimen       | Moisture Content (%) | Bulk Density (Mg/m <sup>3</sup> ) | Dry Density (Mg/m <sup>3</sup> ) | Cell Pressure (kPa) | Corr. Max. Deviator Stress (kPa) | Shear Strength Cu (kPa)              | Failure Strain (%) | Mode of Failure | Undisturbed Sample<br>Sample taken from top of tube<br>Rate of strain = 2 %/min<br>Latex Membrane used 0.2 mm thick,<br>Correction applied 0.34<br>See summary of soil descriptions |  |          |
|                |                      |                                   |                                  | $\theta_3$          | $(\theta_1 - \theta_3)_f$        | $\frac{1}{2}(\theta_1 - \theta_3)_f$ |                    |                 |                                                                                                                                                                                     |  |          |
| 1              | 24                   | 2.03                              | 1.64                             | 120                 | 76                               | 38                                   | 14.9               | Plastic         |                                                                                                                                                                                     |  |          |



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