



RSK Unit 28
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Our Ref: 305035 L01 (01)

16th July 2019

Taylor Wimpey (Southern Counties)

Colvedene Court

Wessex Business Park

Wessex Way

Colden Common

Winchester

SO21 1WP

For the attention of David Seer

Dear David,

**RE: SEFTER ROAD, BOGNOR REGIS, PO21 3EE
SUPPLEMENTARY HYDROGEOLOGICAL SITE ASSESSMENT**

1. INTRODUCTION

RSK Environment Limited (RSK) was commissioned by Taylor Wimpey (Southern Counties) Ltd (the client) on 10th January 2019 to carry out a supplementary hydrogeological site assessment of land at Sefter Road, Bognor Regis, PO21 3EE (the site). At the time of the investigation the site comprised undeveloped fields, with a scout hut, associated car park and area of soft landscaped communal open space in the west of the site. A site location plan is given in **Figure 1**.

This letter report was previously issued as 305035 L01 (00) DRAFT on 1st March 2019. Following completion of the groundwater monitoring, **sections 5.3 and 5.4 and Appendix E** have been updated with the completed monitoring data.

2. BACKGROUND

RSK has previously undertaken a geotechnical assessment of the site and groundwater monitoring regime. These are:

- RSK, 28756-R01 (01) 'Geotechnical Ground Investigation', Sefter Road, Bognor Regis, Dec 2016; and
- RSK, 28756-L01 (01) EH 'Review of Groundwater Conditions', Sefter Road, Bognor Regis, Nov 2017.

A summary of the November 2017 report is provided below, although it is recommended that this letter be read in conjunction with the previous two reports.

12 groundwater monitoring visits were carried out monthly from September 2016 to August 2017. Generally, groundwater levels in the four wells varied throughout the monitoring period, with groundwater flow estimated towards the northwest (i.e. towards the land drain along the northern field boundary).



INVESTORS
IN PEOPLE

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Groundwater levels were deepest from September to November 2016, and shallowest from February to March 2017. The latter dates coincided with surface flooding in the southeast corner of the site. Across the monitoring wells BH1 to BH4, groundwater levels were found to be shallower than 1.00 mbgl on at least one occasion throughout the monitoring period.

Therefore, it was concluded that adopting soakaways or having run-off directed towards areas of landscaping may result in areas of localised to widespread flooding during periods of prolonged rainfall.

2.1 Concurrent groundwater monitoring works at the site

As per a request dated 1st October 2018, 7 additional monthly groundwater monitoring visits of BH1 to BH4 were proposed over the winter period from October 2018 to April 2019. Data obtained during those visits have been presented within this letter report.

2.2 Rationale for supplementary hydrogeological site assessment

It is understood that Arun District Council (ADC) requested further information relating to the potential for infiltration drainage to be utilised as far as possible in the proposed development strategy. Rogers Cory Partnership Ltd (RCP) – on behalf of Taylor Wimpey – scoped an additional intrusive ground investigation comprising a further 23 trial pit soakaway tests and 11 groundwater monitoring well installations, followed by twice-monthly groundwater monitoring visits from completion of the site works until the end of April. Of the 23 trial pit soakaway tests, it was initially proposed that 15 locations were to be to c. 1.5 mbgl (or groundwater level if shallower) and 8 locations were to be to c. 0.5 mbgl, however due to shallow groundwater conditions, only 11 locations could be completed to c. 1.5 mbgl, with 12 locations completed to c. 0.5 mbgl, as detailed in **Section 3**. The positions of all new locations in addition to those from previous investigations are given in **Figure 2**. All new locations were surveyed to Ordnance Datum by GPS, with this data shown in **Appendix B**.

The site is planned for residential redevelopment comprising traditional low-rise residential properties with associated infrastructure and soft landscaping, a Local Equipped Area for Play (LEAP), a Primary School, a Scout Hut and an Ambulance Station. The proposed redevelopment plan is given in **Figure 3**.

This letter report is subject to the service constraints laid out in **Appendix A**.

3. SITE INVESTIGATION METHODOLOGY

RSK carried out intrusive investigation work on 21st to 25th January 2019, excavating 23 trial pits and undertaking soakaway tests within, and completing 11 further boreholes with groundwater monitoring well installations. Prior to breaking ground, Technics Group Ltd completed a service clearance of every location, and also surveyed each location to Ordnance Datum. The rationale for the position of each exploratory location, as provided by RCP, is indicated in **Table 1** below:

Table 1: Exploratory location rationale

Location type	Location ID	Rationale
Trial pit soakaway test to 1.5 m bgl or resting groundwater, whichever was the shallower	TP201, TP202, TP204, TP205, TP207, TP209, TP211, TP212*, TP213*, TP215, TP216, TP218, TP219, TP221 and TP222	Testing infiltration properties across the site
Trial pit soakaway test to 0.5 m bgl	TP203, TP206, TP208, TP210, TP214, TP217, TP220, TP223	Testing infiltration properties in areas of proposed permeable paving
Groundwater monitoring wells	BH201 to BH211	Allowing groundwater levels to be measured twice monthly until end April 2019
Notes: Soakaway tests were completed in broad accordance with BRE 365, with the exception that due to slow infiltration rates, only one soakaway test was completed in most locations. *: TP212 and TP213 were proposed as trial pit soakaway tests to 1.5 mbgl. However due to substantial standing water in the vicinity of these locations which ran continuously into the pits, these were terminated at a shallower depth without a soakaway test undertaken. The rising level of water within these pits was measured over a period of 1 hour.		

4. GROUND CONDITIONS

A summary of ground conditions encountered during this phase of intrusive works is outlined in the following sections. Generally, the site was underlain by Topsoil or Made Ground over River Terrace Deposits, with the London Clay Formation at depth. These exploratory logs are summarised in **Table 2**, and reported in detail in **Appendix B**. A selection of photographs taken during the investigation are included in **Appendix C**.

Table 2: General succession of strata

Strata	Exploratory holes encountered	Range of depths to top of stratum (mbgl)	Range of thickness (m)
Topsoil	TP202, TP204 to TP223, and BH201 to BH211	Ground level	0.15 to 0.40
Made Ground	TP201 and TP203	Ground level	0.40 to 0.45
River Terrace Deposits – cohesive	TP201 to TP223, and BH201 to BH211	0.15 to 0.45	0.20 to 2.80
River Terrace Deposits – granular	TP204, BH201 to BH205, BH206 to BH210	0.80 to 1.60	0.20 to 2.10
London Clay Formation	BH204, BH206 and BH210	2.30 to 2.77	0.33 to 0.90 [^]
Note: mbgl: metres below ground level; [^] : maximum proven thickness as base of this stratum was not encountered during this investigation			

4.1 Topsoil

Topsoil was identified across the site in TP202, TP204 to TP223 and BH201 to BH211 and comprised brown slightly gravelly sandy CLAY, where sand is fine, gravel is subangular to subrounded fine to medium flint and with frequent rootlets. This stratum ranged from 0.15 to 0.40 m in thickness.

4.2 Made Ground

Made Ground was identified underlying the Scout Hut's car park, and the grassed area to the north of it, in TP202, TP204 to TP223 and BH201 to BH211. Beneath the car park, this stratum comprised ASPHALT underlain by flint gravel SUB-BASE followed by BRICK FILL, with dark grey CLAY containing rare brick and metal pieces followed by greyish brown CLAY under the grassed area. The Made Ground ranged from 0.30 to 0.45 m in thickness.

4.3 River Terrace Deposits

River Terrace Deposits were encountered underlying the Topsoil or Made Ground in each trial pit and borehole location, and consisted of both cohesive and granular material.

4.3.1 Cohesive

Cohesive River Terrace Deposits were identified underlying the Topsoil or Made Ground across the entire site from 0.15 to 0.45 mbgl, in each trial pit and borehole location. It generally comprised stiff orangish brown sandy CLAY, where sand is fine to medium. Occasionally it contained gravel generally of subangular to rounded fine to medium flint. The encountered thickness of this stratum ranged from 0.20 to 2.80 m, although this minimum value is the result of a shallow trial pit terminating within the cohesive River Terrace Deposits.

4.3.2 Granular

Granular River Terrace Deposits were identified underlying the cohesive River Terrace Deposits across the western, northern and southern areas of the site, from 0.80 to 1.60 mbgl in TP202, TP204, TP205, TP211, and BH201 to BH210. It generally comprised light orangish brown and light brownish grey clayey fine to medium SAND, or dense orangish brown slightly gravelly silty fine to medium SAND, where gravels are angular to subrounded fine to coarse flint. This stratum ranged from 0.20 to 2.10 m in thickness.

4.4 London Clay Formation

The London Clay Formation was encountered underlying the River Terrace Deposits in the north, east, and centre of the site, from 2.30 to 2.77 mbgl, in BH204, BH206 and BH210. It generally comprised a firm to stiff bluish grey silty CLAY. The base of the London Clay Formation was not proven; however, from borehole records on the BGS website it is considered the London Clay Formation within this area is likely to be approximately 50 m in thickness.

5. GROUNDWATER

Groundwater strikes and seepages were recorded between 0.20 and 2.60 mbgl in BH201 to BH211, and between 0.60 and 1.60 mbgl in TP202, TP204, TP205, TP211, TP214, and TP222. A summary is provided in **Table 3**. Surface water and groundwater seepages were encountered in TP212 and TP213 at 0.10 and 0.25 mbgl as shown in **Table 4**.

Table 3: Summary of groundwater strikes/seepages

Location	Groundwater strike/seepage	Depth (mbgl)	Comment
Borehole locations			
BH201	Groundwater strike	1.80	Rising to 1.20 m
BH202	Groundwater strike	1.86	Rising to 1.30 m
BH203	Groundwater strike	1.70	Rising to 1.10 m
BH204	Groundwater strike	1.50	Rising to 1.20 m
BH205	Groundwater seepage	2.50	-
BH206	Groundwater strike	0.20	-
BH207	Groundwater strike	1.80	-
BH208	Groundwater strike	0.90	-
BH209	Groundwater strike	2.60	-
BH210	Groundwater strike	1.80	Rising to 1.20
BH211	Groundwater strike	1.90	-
Trial pit locations			
TP202	Groundwater strike	1.60	At base of trial pit
TP204	Groundwater strike	1.50	At base of trial pit
TP205	Groundwater strike	1.45	-
TP211	Groundwater strike	1.50	-
TP214	Groundwater strike	0.60	-
TP222	Groundwater seepage	0.90	-
Notes: Groundwater was not encountered in TP201, TP203, TP206 to TP210, TP217 to TP221 or TP223			

Table 4: Summary of surface water /seepages

Location	Surface water strike/seepage	Depth (mbgl)	Comment
Trial pit locations			
TP212	Surface water seepage	0.10	Standing water in area around trial pit
TP213	Surface water seepage	0.25	Standing water in area around trial pit

5.1 Soakaway tests

In-situ trial pit soakaway tests were undertaken in TP201 to TP211 and TP14 to TP223, the results of which are given in **Table 5**. Due to high resting groundwater levels in the vicinity of TP212 and TP213, soakaway tests were not undertaken; the natural rising water level was instead recorded over at least 1 hour. The raw data are given in **Table 6**.

Where the infiltration rate had not passed between 75 % to 25 % effective depth during the day, the pit was left open overnight – suitably secured using Heras fencing – to allow for at least a 24-hour test duration in accordance with BRE 365. The tests in TP201 and TP221 were terminated at 23 hours, however the final measured water levels measured immediately prior to test termination were not found to lie close to the 25 % effective depth, as such the decision was taken to backfill to ensure prompt continuation of site works. Over the course of the test, water levels in TP222 fell by only 5 cm. In consort with this, there were many other soakaway tests being undertaken simultaneously that had recorded greater drops in water level. As these locations were of greater importance, and also required secure fencing, the decision was made to terminate the soakaway test in TP22 following 6 hours of measurements. From the graph shown in **Appendix D**, it is RSK's opinion that this test would not have experienced sufficient infiltration over an additional 18 hours to reach the 75 % and 25 % effective depths, and as such did not warrant being left unsecured over this period.

The measured drop in water level in TP220 is within 0.10 m of the 25 % effective depth, however RSK have chosen not to extrapolate this result. Extrapolation can be completed if requested, although this result would not be in full accordance with BRE 365, and would be recorded as a non-standard test.

Table 5: Summary of soakaway test results

Trial pit (test no.)	Base depth (mbgl)	Effective depth (m)	Test duration (hours)	Time to pass between 75 % and 25 % effective depth (seconds)	Infiltration rate (m/s)
TP201	1.80	1.00	23	-	Test fail
TP202	1.48	0.88	24	-	Test fail
TP203	0.50	0.36	41	44000	2.08×10^{-6}
TP204	1.50	0.85	24	-	Test fail
TP205	1.50	0.97	26	-	Test fail
TP206	0.70	0.45	54	-	Test fail
TP207	1.60	0.66	26	-	Test fail
TP208	0.50	0.31	26	-	Test fail
TP209	1.50	0.95	26	-	Test fail
TP210	0.42	0.27	26	-	Test fail
TP211	1.50	1.00	24	-	Test fail
TP214	0.65	0.55	27	-	Test fail

Trial pit (test no.)	Base depth (mbgl)	Effective depth (m)	Test duration (hours)	Time to pass between 75 % and 25 % effective depth (seconds)	Infiltration rate (m/s)
TP215	1.60	0.99	25	-	Test fail
TP216	1.50	1.00	25	-	Test fail
TP217	0.55	0.39	29	-	Test fail
TP218	1.50	1.00	50	-	Test fail
TP219	1.50	1.00	30	-	Test fail
TP220	0.50	0.37	26	-	Test fail
TP221	0.60	0.50	23	-	Test fail
TP222	0.90	0.70	6	-	Test fail
TP223 (1)	0.50	0.42	6	15500	7.13×10^{-6}
TP223 (2)	0.50	0.40	18	38000	2.83×10^{-6}

As shown in **Table 5**, falling water levels the majority of the trial pits did not cross the 75 % / 25 % fill level thresholds as required by BRE 365. Only in TP203 in the west of the site and in TP223 in the centre of the main field did any reportable infiltration occur. It is considered that this is due to localised variations in geology allowing extremely limited capacity for small-scale infiltration. It is furthermore worth noting that both of these locations were shallow 0.50 m trial pit soakaway tests, and therefore would not be suitable locations for development-scale soakaway features.

Table 6: Rising surface water levels

Trial pit	Base depth (mbgl)	Initial water level (mbgl)	Final water level (mbgl)	Monitoring period (hours)
TP212	0.71	0.70	0.60	1
TP213	0.57	0.54	0.46	1.5

Rising surface water levels in TP212 and TP213 were recorded over at least 1 hour period in **Table 6**. These trial pits were positioned within an area of very saturated ground, and so were unsuitable for soakaway tests due to the rapid ingress of water.

5.2 Groundwater data loggers

Shallow groundwater monitoring wells were installed at all drive-in sampler borehole positions, with the response zone lying within the River Terrace Deposits, between 1.00 and 3.00 mbgl.

A total of 4 data loggers were installed in BH201, BH204, BH206 and BH209 to provide continuous measurements of groundwater levels. One BaroSCOUT was installed in BH201 to measure air pressure in the area of the site, and one LevelSCOUT was installed in each well to measure water pressure. The difference in the two values, when compared to a known datum, allows the calculation of water head, and therefore the groundwater level in the well. Readings have been taken at 30-minute intervals until the end of

April 2019. Simultaneously, twice-monthly groundwater monitoring visits were completed to manually measure the groundwater levels in all monitoring wells, and download data recorded by the loggers.

5.3 Groundwater levels

15 groundwater monitoring visits have been completed to-date (including those completed for the groundwater monitoring regime instructed in October 2018). Groundwater levels recorded during these visits are summarised in **Table 7** and **Graph 1** below and presented in full in **Appendix D**. Groundwater depths (mbgl) and levels (mAOD) measured across the site have varied from 0.00 mbgl in BH3 and BH208 to a maximum of 1.99 mbgl in BH1, and 4.119 mAOD in BH203 to 6.41 mAOD in BH2.

Graph 1: Composite groundwater depths

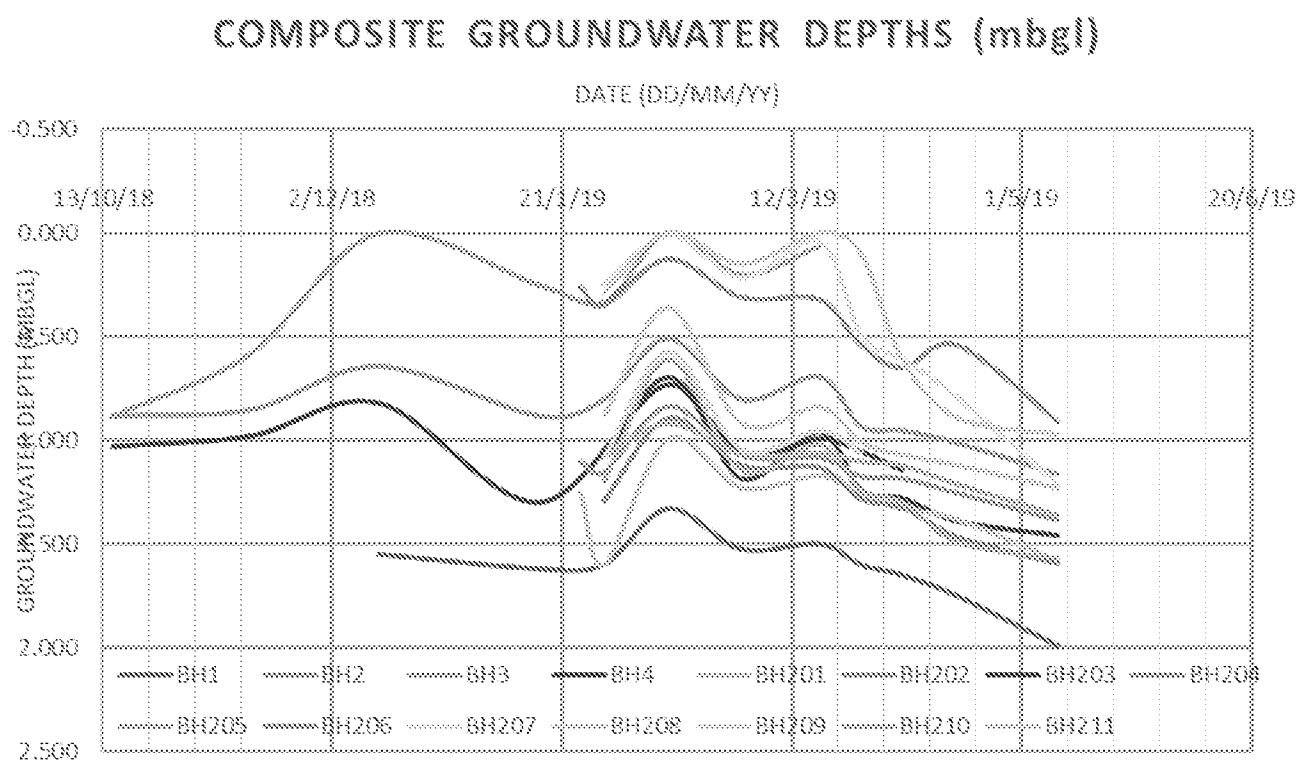


Table 7: Recorded groundwater levels

Location	Manual measurements			
	Depth (mbgl)		Level (mAOD)	
	Max	Min	Max	Min
BH1	1.99	1.330	5.22	4.558
BH2	1.16	0.505	6.41	5.751
BH3	0.94	0.000	6.11	5.172
BH4	1.46	0.730	5.54	4.806
BH201	1.60	0.995	4.77	4.167

BH202	1.59	0.895	5.06	4.369
BH203	1.63	0.697	5.05	4.119
BH204	1.38	0.835	4.96	4.413
BH205	1.36	0.915	5.90	5.459
BH206	0.91	0.125	6.25	5.465
BH207	1.21	0.010	6.19	4.985
BH208	0.97	0.000	6.08	5.110
BH209	1.08	0.575	5.86	5.356
BH210	1.57	0.610	5.49	4.526
BH211	1.23	0.360	6.35	5.480
Note: These readings detail the full range of groundwater levels recorded at the site as measured during the monitoring visits. The final 3 monitoring rounds were not completed for BH209 due to the well being destroyed.				

5.4 Discussion and Conclusion

It is considered that shallow groundwater beneath the site is present within the superficial River Terrace Deposits. The River Terrace Deposits are indicated to be underlain by the London Clay Formation which is considered likely to inhibit infiltration with depth.

As shown in **Table 5**, falling water levels in the majority of the soakaway locations did not cross the 75 % / 25 % fill level thresholds as required by BRE 365. Only in TP203 in the west of the site and in TP223 in the centre of the main field did any reportable infiltration occur. It is considered that this is due to localised variations in geology allowing extremely limited capacity for small-scale infiltration. Both these tests were undertaken at 0.50 mbgl.

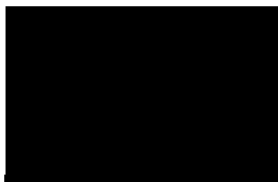
Rising surface water levels in TP212 and TP213 were recorded over at least 1 hour period in **Table 6**. These trial pits were positioned within an area of saturated ground considered unsuitable for soakaway testing due to the rapidly incoming water.

Based on the soakaway testing undertaken and the results of the long term groundwater monitoring programme, it is considered unlikely that soakaway drainage will be suitable for the proposed development.

We trust that the information provided above meets your requirements. Should you have any queries or require additional information, please do not hesitate to contact the undersigned.

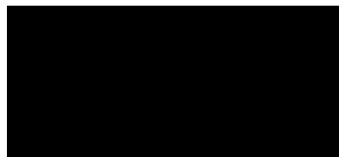
Yours sincerely,

For RSK Environment Limited



Marc Grenow

Geo-environmental Consultant



Kirsten Fairall

Principal Geo-environmental Consultant

Enc.

Figures:

Figure 1	Site Location Plan
Figure 2	Exploratory Hole Location Plan
Figure 3	Proposed Development Plan

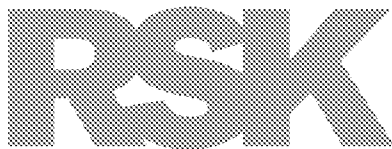
Appendices:

Appendix A	Service Constraints
Appendix B	Exploratory Hole Logs
Appendix C	Photographic Log
Appendix D	Trial Pit Soakaway Test Data
Appendix E	Groundwater Monitoring Data

FIGURES



Contains Ordnance Survey data © Crown copyright and database right 2013



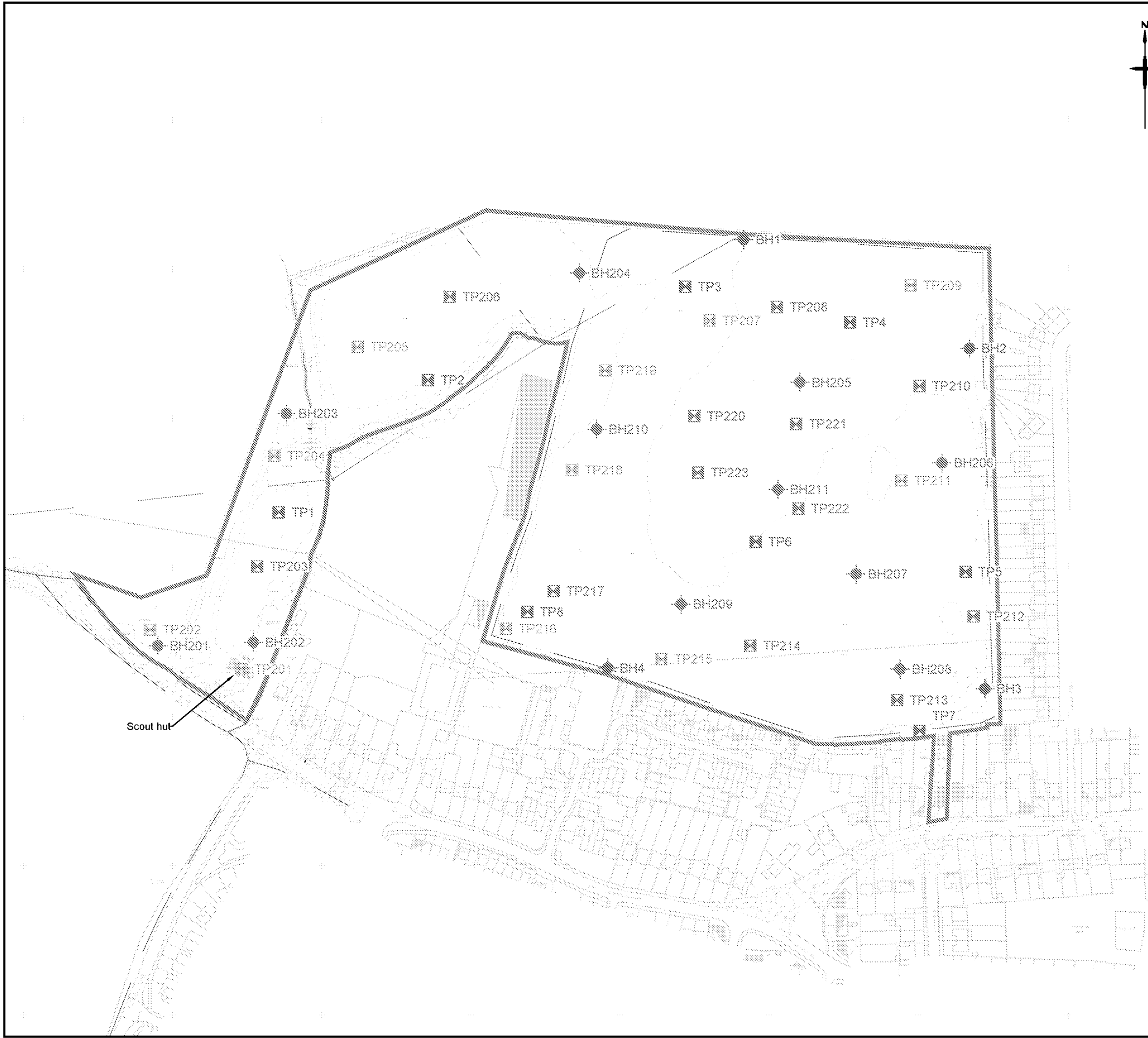
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TAYLOR WIMPEY (SOUTHERN COUNTIES)

Project Title
SEFTER ROAD, BOGNOR REGIS

Drawing Title
SITE LOCATION PLAN

Drawn	Date	Checked	Date	Approved	Date	Project No.	Drawing File
ASC	29.01.19	EH	29.01.19	KF	29.01.19	305035 - L01	305035 - SLP
Scale	NTS	Orig Size	A4	Dimensions	m	Drawing No.	Rev.
						FIGURE 1	A



- LEGEND**
- Borehole Installation and Falling Head Test Location (RSK, 2016)
 - Trial Pit Soakage Test Location (RSK, 2016)
 - Borehole Location with Groundwater Monitoring Well Installation (RSK, 2019)
 - Trial Pit Soakage Test Location to ~1.50mbgl (RSK, 2019)
 - Trial Pit Soakage Test Location to ~0.50mbgl (RSK, 2019)

P1	29.01.19	FIRST ISSUE	ASC	EH	KF
Rev.	Date	Amendment	Drawn	Chkd.	Appd.



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Project Title

**SEFTER ROAD,
BOGNOR REGIS**

Drawing Title

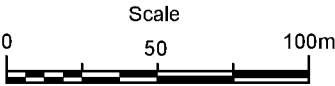
**EXPLORATORY
HOLE LOCATION
PLAN**

Drawn	Date	Checked	Date	Approved	Date
ASC	29.01.19	EH	29.01.19	KF	29.01.19

Scale	Orig Size	Dimensions
1:2500	A3	m

Project No.	Drawing File
305035 - L01	305035 (L01) Fig 2.dwg

Drawing No.	Rev.
FIGURE 2	P1





LEGEND

----- Site Boundary

P1	29.01.19	FIRST ISSUE	ASC	EH	KF
Rev.	Date	Amendment	Drawn	Chkd.	Appd.



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Project Title
**SEFTER ROAD,
BOGNOR REGIS**

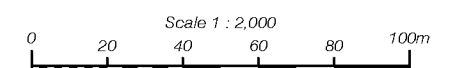
Drawing Title
**PROPOSED
DEVELOPMENT
PLAN**

Drawn	Date	Checked	Date	Approved	Date
ASC	29.01.19	EH	29.01.19	KF	29.01.19

Scale	Orig Size	Dimensions
1:2000	A3	m

Project No.	Drawing File
305035 - L01	305035 (L01) Fig 3.dwg

Drawing No.	Rev.
FIGURE 3	P1



APPENDIX A

SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Taylor Wimpey UK Ltd (the "client") in accordance with the terms of a contract between RSK and the "client". The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
2. Other than that, expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed in writing the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, invasive plants, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials, unless specifically identified in the Services.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a visual inspection of the site together with RSK's interpretation of information, including documentation, obtained from third parties and from the client on the history and usage of the site, unless specifically identified in the Services or accreditation system (such as UKAS ISO 17020:2012 clause 7.1.6):
 - a. the Services were based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely
 - b. the Services were limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the visual inspection
 - c. the Services did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services.



RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.

8. The intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined locations based on the known historic / operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the properties of the materials adjacent and local conditions, together with the position of any current structures and underground utilities and facilities, and natural and other activities on-site. In addition, chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (intrusive and sample locations etc) annotated on-site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.

APPENDIX B

EXPLORATORY HOLE LOGS



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BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH201
Contract Ref: 305035	Start: 24.01.18 End: 24.01.18	Ground Level (m AOD): 5.77	National Grid Co-ordinate: E:489778.3 N:099453.0		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
	1.20-1.65	1	SPT(c)	N=12			TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets. Soft orangish brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.20	
								(1.15)	
								1.35	
	2.00-2.45	2	SPT(c)	N=15			Wet dense light brown gravelly silty fine to medium SAND. Gravel is angular to subrounded fine to coarse flint and occasional chalk. (RIVER TERRACE DEPOSITS)	(1.15)	
								2.50	
	3.00-3.45	3	SPT(c)	N=19			Wet dense orangish brown slightly gravelly silty fine to medium SAND. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.95)	
								3.45	
							Borehole terminated at 3.45 m depth.		

Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						- Inspection pit hand dug to 1.2m depth. - Groundwater struck at 1.8m depth, rising to 1.2m depth. 43mm diameter standpipe piezometer (complete with upstanding protective cover) installed to 3.2m depth on completion. Response zone 1.0m to 3.2m.	
						All dimensions in metres	Scale: 1:25
Method Used: Inspection pit + Tracked window	Plant Used: Dando Terrier		Drilled By: Phil Guinness	Logged By: CLewis	Checked By:		

BOREHOLE LOG

Contract:		Client:		Window Sample:
Sefter Road, Bognor Regis		Taylor Wimpey UK Ltd		BH202
Contract Ref:	Start: 24.01.18	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:
305035	End: 24.01.18	5.96	E:489846.8 N:099441.3	1 of 1

Progress	Samples / Tests				Water Backfill & Instru- mentation		Description of Strata	Depth (Thick- ness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
							TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets. Soft orangish brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.15	
	1.20-1.65	1	SPT(c)	N=9				(1.71)	
 1.20 - 2.00 (65mm dia) 90% rec								1.86	
	2.00-2.45	2	SPT(c)	N=14			Very wet dense light brown gravelly silty fine to medium SAND. Gravels are fine to coarse and angular to subrounded flint and occasional chalk. (RIVER TERRACE DEPOSITS)	(0.34)	
 2.00 - 3.00 (55mm dia) 60% rec							Wet dense orangish brown slightly gravelly silty fine to medium SAND. Gravels are fine to coarse and angular to subrounded flint. (RIVER TERRACE DEPOSITS)	2.20	
	3.00-3.45	3	SPT(c)	N=19				(1.25)	
							Borehole terminated at 3.45 m depth.	3.45	

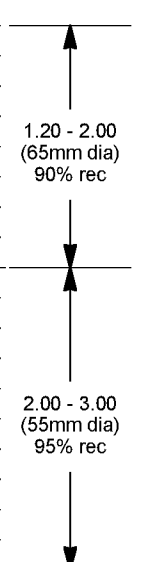
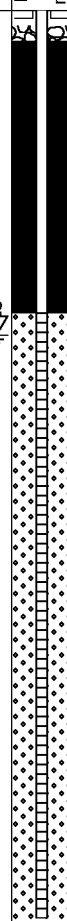
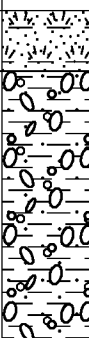
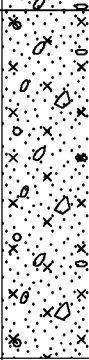
Drilling Progress and Water Observations						General Remarks
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	
						1. Inspection pit hand dug to 1.2m depth. 2. Groundwater struck at 1.86m depth, rising to 1.3m depth. 3. 43mm diameter standpipe piezometer (complete with upstanding protective cover) installed to 3.2m depth on completion. Response zone 1.0m to 3.2m.
						All dimensions in metres Scale: 1:25
Method Used:	Inspection pit + Tracked window		Plant Used:	Dando Terrier		Drilled By: Phil Guinness Logged By: CLewis
						Checked By: 



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BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH203
Contract Ref: 305035	Start: 24.01.18 End: 24.01.18	Ground Level (m AOD): 5.75	National Grid Co-ordinate: E:489878.6 N:099614.2		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
							TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets. Soft orangish brown slightly gravelly sandy CLAY with a low cobble content. Sand is fine to medium. Gravel is angular to subrounded fine to coarse flint. Cobbles are subangular flint upto 75 mm in size. (RIVER TERRACE DEPOSITS)	0.20 (0.90) 1.10	
	1.20-1.65	1	SPT(c)	N=10			Wet dense light brown mottled grey gravelly silty fine to medium SAND. Gravels are fine to coarse and angular to subrounded flint and occasional chalk. (RIVER TERRACE DEPOSITS)	(1.20) 2.30	
	2.00-2.45	2	SPT(c)	N=12			Very wet dense orangish brown slightly gravelly silty fine to medium SAND. Gravels are fine to coarse and angular to subrounded flint. (RIVER TERRACE DEPOSITS)	(1.15) 3.45	
	3.00-3.45	3	SPT(c)	N=19			Borehole terminated at 3.45 m depth.		

Drilling Progress and Water Observations						General Remarks						
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)							
						1. Inspection pit hand dug to 1.2m depth. 2. Groundwater struck at 1.7m depth, rising to 1.1m depth. 3. 42 mm diameter standpipe piezometer (complete with upstanding protective cover) installed to 3.2m depth on completion. Response zone 1.0m to 3.2m.						
						All dimensions in metres		Scale:	1:25			
Method Used:	Inspection pit + Tracked window			Plant Used:	Dando Terrier		Drilled By:	Phil Guinness	Logged By:	CLewis	Checked By:	AGS



Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Window Sample: BH204
Contract Ref: 305035	Start: 24.01.18 End: 24.01.18	Ground Level (m AOD): 5.79	National Grid Co-ordinate: E:490043.4 N:099702.3	Sheet: 1 of 1

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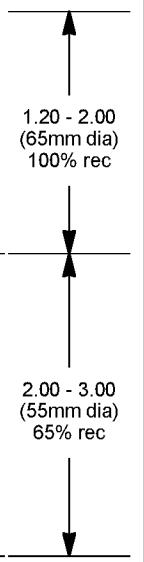
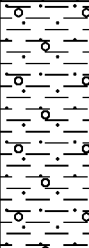
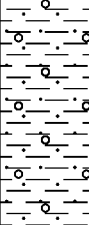
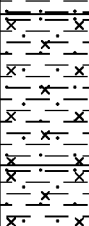
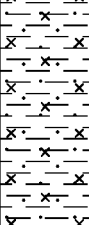
ARUN DISTRICT COURT Case P/88/22/D



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BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH205
Contract Ref: 305035	Start: 24.01.18 End: 24.01.18	Ground Level (m AOD): 6.82	National Grid Co-ordinate: E:490184.5 N:099630.2		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
	1.20-1.65	1	SPT(c)	N=16			TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets.	0.20	
							Soft orangish brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(1.60)	
	2.00-2.45	2	SPT(c)	N=20			Soft orangish brown slightly sandy silty CLAY. (RIVER TERRACE DEPOSITS)	1.80 (0.50)	
							Soft orangish brown mottled grey sandy silty CLAY. (RIVER TERRACE DEPOSITS)	2.30 (1.15)	
	3.00-3.45	3	SPT(c)	N=18			Borehole terminated at 3.45 m depth.	3.45	

Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m depth. 2. Groundwater struck at 2.50 m depth. 3. 42 mm diameter gas/groundwater monitoring well complete with upstanding protective cover installed to 3.20 m depth on completion. Response zone 1.00 m to 3.20 m depth.	
Method Inspection pit + Tracked window						All dimensions in metres	Scale: 1:25
Plant Used: Dando Terrier			Drilled By: Phil Guinness		Logged By: CLewis	Checked By:	



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BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH206
Contract Ref: 305035	Start: 23.01.19 End: 23.01.19	Ground Level (m AOD): 6.38	National Grid Co-ordinate: E:490315.7 N:099577.9		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
1.20 - 2.00 (65mm dia) 60% rec 2.00 - 3.00 (55mm dia) 76% rec							TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets.	0.20	
							Soft orangish brown slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is angular to subrounded fine to coarse flint.	(0.30) 0.50	
							Firm light brownish grey CLAY. With occasional red staining from relict rootlets.	(1.00) 1.50	
							Firm orangish brown CLAY.	(0.34) 1.84	
							Light brown sandy gravelly CLAY. sand is fine to coarse. Gravel is subangular to subrounded fine to medium flint.	1.91 (0.49)	
							Orangish brown and greyish brown slightly silty fine to medium SAND.	2.40	
							(Beach sand) Orangish brown slightly gravelly medium to coarse SAND. Gravel is subangular to rounded fine to coarse flint. (BLOWN SAND)	(0.37) 2.77	
							R/W? Beach sand in ?weathered London Clay. As above, in firm brown CLAY. (LONDON CLAY FORMATION)	2.95	
							Stiff brown CLAY. ?weathered London Clay? (LONDON CLAY FORMATION)	(0.50) 3.45	
							Borehole terminated at 3.45 m depth as additional 0.10 m recovery from London Clay Formation		

Drilling Progress and Water Observations						General Remarks			
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)	1. Inspection pit hand dug to 1.20 m depth. 2. Groundwater struck at 0.20 m depth. 3. 42 mm diameter gas/groundwater monitoring well complete with upstanding protective cover installed to 3.00 m depth on completion. Response zone 1.00 m to 3.00 m depth. 4. Groundwater level logger installed at 2.40 m depth.			
Method Tracked window sampling		Plant Used: Dando Terrier		Drilled By: Phil Guinness	Logged By: EHughes	All dimensions in metres		Scale: 1:25	Checked By:



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BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH207
Contract Ref: 305035	Start: 25.01.19 End: 25.01.19	Ground Level (m AOD): 6.20	National Grid Co-ordinate: E:490260.1 N:099476.3		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
 1.20 - 2.00 (65mm dia) 2.00 - 3.00 (55mm dia)	1.20-1.65	1	SPT(c)	N=16			TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets.	(0.30)	
							Firm orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(1.30)	
							Reddish brown very sandy angular to rounded fine to coarse flint GRAVEL. Sand is fine to coarse. (RIVER TERRACE DEPOSITS)	1.60	
	2.00-2.45	2	SPT(c)	N=29			Grey and orangish brown slightly silty fine to medium SAND. (BOGNOR SAND MEMBER)	1.80	
	3.00-3.45	3	SPT(c)	N=20			2.56-3.00m : becoming greenish brown, occasional grey and orangish brown laminated slightly gravelly slightly silty fine to medium SAND. Gravel is subangular medium flint.	(1.65)	
							Borehole terminated at 3.45 m depth.	3.45	

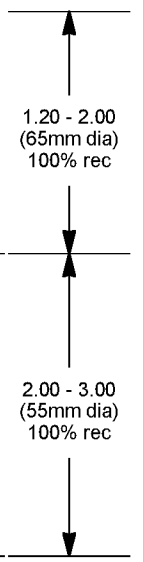
Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						1. Inspection pit hand dug to 1.20 m depth. 2. Groundwater struck at 1.80 m depth. 3. 42 mm diameter groundwater monitoring well complete with upstanding protective cover installed to 3.00 m depth on completion. Response zone 1.00 to 3.00 m.	
All dimensions in metres						Scale:	1:25
Method Used:	Inspection pit + Tracked window		Plant Used:	Dando Terrier		Drilled By:	Phil Guinness
						Logged By:	EHughes
						Checked By:	



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BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH208
Contract Ref: 305035	Start: 25.01.19 End: 25.01.19	Ground Level (m AOD): 6.08	National Grid Co-ordinate: E:490290.5 N:099411.7		Sheet: 1 of 1

Progress Window Run	Samples / Tests				Water Backfill & Instru- mentation	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	Depth	No	Type	Results				
	1.20-1.65	1	SPT(c)	N=16		TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets.	(0.30)	
						Firm orangish brown slightly sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.30	
						Firm orangish brown and brownish grey slightly sandy CLAY. Sand is fine to medium. Occasional dark brown lithified organic remains. (RIVER TERRACE DEPOSITS)	0.50	
						1.10-1.20m : gravelly clay band	(1.20)	
	2.00-2.45	2	SPT(c)	N=23		Light brown gravelly CLAY. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	1.70	
						Orangish brown and greyish brown slightly gravelly silty fine to medium SAND. Gravel is rounded medium to coarse flint. (BOGNOR SAND MEMBER)	1.84	
							(1.61)	
	3.00-3.45	3	SPT(c)	N=20			3.45	
						Borehole terminated at 3.45 m depth.		

Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						1. Inspection pit hand dug to 1.20 m depth. 2. Groundwater struck at 0.50 m depth. 3. 42 mm diameter groundwater monitoring well complete with upstanding protective cover installed to 3.00 m depth on completion. Response zone 1.00 to 3.00 m.	
Method Inspection pit + Tracked window						All dimensions in metres	Scale: 1:25
Plant Used: Dando Terrier			Drilled By: Phil Guinness		Logged By: EHughes	Checked By:	



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BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH209
Contract Ref: 305035	Start: 25.01.19 End: 25.01.19	Ground Level (m AOD): 6.44	National Grid Co-ordinate: E:490134.0 N:099477.8		Sheet: 1 of 1

Progress Window Run	Samples / Tests				Water Backfill & Instru- mentation	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	Depth	No	Type	Results				
1.20 - 2.00 (65mm dia) 100% rec 2.00 - 3.00 (55mm dia) 100% rec						TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets.	(0.30)	
						Firm orangish brown and light brownish grey slightly sandy CLAY. Sand is fine to medium. Occasional dark reddish brown lithified organic remains. Rare subangular fine to medium flint gravel. (RIVER TERRACE DEPOSITS)	(1.30)	
	1.20-1.65	1	SPT(c)	N=20			1.60	
						Firm orangish brown slightly gravelly slightly sandy CLAY. Sand is fine to medium. Gravel is subangular fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.38)	
	2.00-2.45	2	SPT(c)	N=29		Interbedded brownish grey and orangish brown silty fine to medium SAND and slightly gravelly CLAY, where gravel is subangular fine to medium flint. (BOGNOR SAND MEMBER)	(0.52)	
						Brownish grey and orangish brown silty fine to medium SAND. (BOGNOR SAND MEMBER)	(0.95)	
	3.00-3.45	3	SPT(c)	N=19			3.45	
						Borehole terminated at 3.45 m depth.		

Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						1. Inspection pit hand dug to 1.20 m depth. 2. Groundwater struck at 2.60 m depth. 3. 42 mm diameter groundwater monitoring well complete with upstanding protective cover installed to 3.00 m depth on completion. Response zone 1.00 to 3.00 m.	
Method Inspection pit + Tracked window						All dimensions in metres	Scale: 1:25
Plant Used: Dando Terrier			Drilled By: Phil Guinness		Logged By: ECraggs	Checked By:	

BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH210
Contract Ref: 305035	Start: 24.01.18 End: 24.01.18	Ground Level (m AOD): 6.10	National Grid Co-ordinate: E:490076.5 N:099583.0		Sheet: 1 of 1

Progress Window Run	Samples / Tests				Water Backfill & Instru- mentation	Description of Strata	Depth (Thick- ness)	Material Graphic Legend
	Depth	No	Type	Results				
1.20 - 2.20 (65mm dia) 80% rec 2.20 - 3.20 (55mm dia) 95% rec						TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets. Soft orangish brown slightly gravelly silty CLAY. Gravels are fine to coarse angular to subrounded flint. (RIVER TERRACE DEPOSITS)	0.20	
							(0.90)	
							1.10	
	1.20-1.65	1	SPT(c)	N=12		Soft brownish orange mottled dark brown slightly gravelly silty CLAY. Gravels are fine to coarse angular to subrounded flint. (RIVER TERRACE DEPOSITS)	(1.10)	
	2.00-2.45	2	SPT(c)	N=23			2.20	
						Wet dense brown sandy silty fine to coarse angular to subrounded GRAVEL of flint with a low cobble content. Sand is fine to coarse. Cobbles are subrounded flint upto 100 mm in size. (RIVER TERRACE DEPOSITS)	(0.30)	
						Soft orangish brown mottled grey sandy silty CLAY. Sand is fine to medium. (LONDON CLAY FORMATION)	2.50	
	3.00-3.45	3	SPT(c)	N=20			(0.95)	
						Borehole terminated at 3.45 m depth.	3.45	

Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						1. Inspection pit hand dug to 1.2m depth. 2. Groundwater struck at 1.8m depth, rising to 1.2m depth. 3. 43 mm diameter standpipe piezometer (complete with upstanding protective cover) installed to 3.20 m depth on completion. Response zone 1.00 m to 3.20 m.	
All dimensions in metres						Scale:	1:25
Method Used: Inspection pit + Tracked window	Plant Used: Dando Terrier			Drilled By: Phil Guinness	Logged By: CLewis	Checked By:	



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BOREHOLE LOG

Contract: Sefter Road, Bognor Regis			Client: Taylor Wimpey UK Ltd		Window Sample: BH211
Contract Ref: 305035	Start: 24.01.19 End: 24.01.19	Ground Level (m AOD): 6.71	National Grid Co-ordinate: E:490193.7 N:099554.2		Sheet: 1 of 1

Progress		Samples / Tests			Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Window Run	Depth	No	Type	Results					
							TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to subrounded fine to medium flint. Frequent rootlets.	0.20	
							Firm orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(1.60)	
	1.20-1.65	1	SPT(c)	N=11				1.80	
							Orangish brown slightly sandy silty CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(0.60)	
	2.00-2.45	2	SPT(c)	N=17				2.40	
							Soft orangish brown mottled grey sandy silty CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	2.60	
							Brownish orange occasionally mottled grey slightly sandy silty CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(0.85)	
	3.00-3.45	3	SPT(c)	N=10				3.45	
							Borehole terminated at 3.45 m depth.		

Drilling Progress and Water Observations						General Remarks	
Date	Time	Borehole Depth (m)	Casing Depth (m)	Borehole Diameter (mm)	Water Depth (m)		
						1. Inspection pit hand dug to 1.2m depth. 2. Groundwater struck at 1.90 m depth. 3. 43 mm diameter standpipe piezometer (complete with upstanding protective cover) installed to 3.20 m depth on completion. Response zone 1.00 m to 3.20 m.	
All dimensions in metres						Scale:	1:25
Method Used: Tracked window sampling	Plant Used: Dando Terrier		Drilled By: Phil Guinness		Logged By: CLewis	Checked By:	



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP201	
Contract Ref: 305035	Start: 21.01.19 End: 21.01.19	Ground Level (m AOD): 6.10	National Grid Co-ordinate: E:489826.4 N:099428.5	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						ASPHALT.	0.15	
						SUB-BASE: Angular to rounded fine to coarse concrete and flint GRAVEL.	0.30	
						MADE GROUND: Brick fill	0.45	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(1.35)	
						1.50-1.80m : becomes orangish brown, brownish grey and occasionally mottled dark reddish brown.	1.80	
						Trial pit terminated at 1.80 m depth.		

Plan (Not to Scale)		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP202	
Contract Ref: 305035	Start: 23.01.19 End: 23.11.19	Ground Level (m AOD): 5.73	National Grid Co-ordinate: E:489783.2 N:099462.4	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to rounded fine to coarse flint. Frequent rootlets.	(0.30) 0.30	
						Orangish brown slightly gravelly slightly sandy CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.70) 1.00	
						Yellowish brown, alternately light orangish brown and light brownish grey fine to medium SAND. (RIVER TERRACE DEPOSITS)	(0.60) 1.60	
						Trial pit terminated at 1.60 m depth.		

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained stable during excavation. 2. Water seepage at base of trial pit; 1.60 m depth. 3. Soakage test carried out. 4. On completion, trial pit backfilled with arisings.			
All dimensions in metres		Scale: 1:25			
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:		

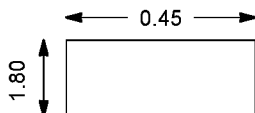


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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP203	
Contract Ref: 305035	Start: 21.01.19 End: 21.01.19	Ground Level (m AOD): 5.75	National Grid Co-ordinate: E:489852.4 N:099488.0	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						MADE GROUND: Dark grey CLAY with rare brick and metal pieces.	0.10	
						MADE GROUND: Greyish brown CLAY.	0.30	
						Orangish brown slightly sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.55	
						Trial pit terminated at 0.55 m depth.		

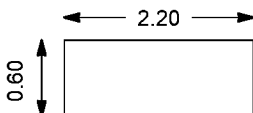
Plan (Not to Scale) 		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By: 

TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP204
Contract Ref: 305035	Start: 23.01.19 End: 23.01.19	Ground Level (m AOD): 5.47	National Grid Co-ordinate: E:489879.0 N:099566.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown and dark brownish grey slightly gravelly slightly sandy CLAY. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse flint. Frequent rootlets.	(0.30) 0.30	
						Orangish brown, light brownish grey and occasionally dark brown slightly gravelly slightly sandy CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.50) 0.80	
						Light orangish brown and light brownish grey clayey fine to medium SAND. (RIVER TERRACE DEPOSITS)	(0.70) 1.50	
						Trial pit terminated at 1.50 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained stable during excavation.
2. Concrete obstruction noted along south edge of pit at 0.4 m depth, so excavation continued approximately 0.3 m away from obstruction.
3. Water seepage at base of trial pit; 1.50 m depth.
4. Soakage test carried out.
5. On completion, trial pit backfilled with arisings.

All dimensions in metres

Scale: **1:25**

Method

Used: **Machine dug**

Plant

Used:

JCB-3CX

Logged

By:

EHughes

Checked

By:





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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP205
Contract Ref: 305035	Start: 23.01.19 End: 23.01.19	Ground Level (m AOD): 5.75	National Grid Co-ordinate: E:489911.4 N:099641.5	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly sandy CLAY. Sand is fine. Gravel is subangular to rounded fine to coarse flint. Frequent rootlets.	0.25	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.50	
						Light orangish brown and light brownish grey very sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(0.95)	
						Orangish brown fine to medium SAND. (RIVER TERRACE DEPOSITS)	1.45	
						Trial pit terminated at 1.50 m depth.	1.50	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained stable during excavation. 2. Water seepage at 1.45 m depth. 3. Soakage test carried out. 4. On completion, trial pit backfilled with arisings.		
All dimensions in metres		Scale: 1:25		
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:	

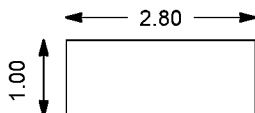


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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP206	
Contract Ref: 305035	Start: 21.01.19 End: 21.01.19	Ground Level (m AOD): 6.04	National Grid Co-ordinate: E:489961.2 N:099673.1	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brownish grey and brown slightly gravelly CLAY. Gravel is angular to rounded fine to coarse flint.	(0.30)	
						Orangish brown and light brownish grey CLAY. (RIVER TERRACE DEPOSITS)	(0.40)	
						Trial pit terminated at 0.70 m depth.	0.70	

Plan (Not to Scale) 		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By: 



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP207	
Contract Ref: 305035	Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.44	National Grid Co-ordinate: E:490156.7 N:099663.5	Sheet: 1 of 1	

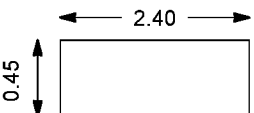
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.40)	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.40	
						1.00-1.40m : becoming slightly gravelly CLAY, gravels of flint	(1.20)	
						1.40-1.60m : becoming orangish brown and light brownish grey slightly sandy slightly gravelly CLAY, sand is fine to medium, gravels of flint	1.60	
						Trial pit terminated at 1.60 m depth.		

Plan (Not to Scale)		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakge test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:

TRIAL PIT LOG

Contract:		Client:		Trial Pit:	
Sefter Road, Bognor Regis		Taylor Wimpey UK Ltd		TP208	
Contract Ref:	Start: 22.01.19	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:	
305035	End: 22.01.19	6.96	E:490218.7 N:099664.6	1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.30)	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.30	
						Trial pit terminated at 0.50 m depth.	0.50	

Plan (Not to Scale) 		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakge test carried out. 3. On completion, trial pit backfilled with arisings.	
		All dimensions in metres Scale: 1:25	
Method Used Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:

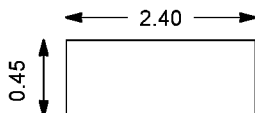


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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP209	
Contract Ref: 305035	Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.87	National Grid Co-ordinate: E:490284.1 N:099672.3	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.30)	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.30	
							(1.20)	
						1.20-1.50m : becomes slightly gravelly CLAY with a low cobble content, gravels and cobbles are flint	1.50	
						Trial pit terminated at 1.50 m depth.		

Plan (Not to Scale) 		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By: 

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GIS LIBRARY_v8_06.GLB LibVersion: v8_06_018 ProjVersion: v8_06 - Core+Logs - 001 | Log TRIAL PIT LOG - A4P | 305035 SEFTER ROAD, BOGNOR REGIS.GPJ - v8_06
12/02/19 - 21:00 | EHI |



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP210	
Contract Ref: 305035	Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.59	National Grid Co-ordinate: E:490300.2 N:099620.3	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.30)	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.30	
						Trial pit terminated at 0.50 m depth.	0.50	

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.			
All dimensions in metres		Scale: 1:25			
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:		

ARUN DISTRICT COUNCIL
G:\IT_LIBRARY_V8_06.GLB LibVersion: v8_06_018 ProjVersion: v8_06 - Core+Logs - 001 | Log TRIAL PIT LOG - A4P | 305035 SEFTER ROAD, BOGNOR REGIS.GPJ - v8_06_01
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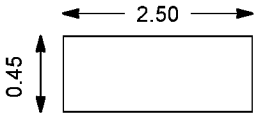


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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP211	
Contract Ref: 305035	Start: 21.01.19 End: 21.01.19	Ground Level (m AOD): 6.36	National Grid Co-ordinate: E:490300.5 N:099536.4	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.50	1	B				TOPSOIL: Brown occasionally orangish brown	(0.30)	
						Orangish brown CLAY. (RIVER TERRACE DEPOSITS)	0.30	
							(1.10)	
						Yellowish brown slightly clayey fine to medium SAND. (RIVER TERRACE DEPOSITS)	1.40	
						Trial pit terminated at 1.50 m depth.	1.50	

Plan (Not to Scale)		General Remarks	
		1. Trial pit remained stable to 1.40 m during excavation, but was unstable below 1.40 m due to running sand. 2. Groundwater struck at 1.50 m depth. 3. Soakage test undertaken. 4. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By: 



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP212	
Contract Ref: 305035	Start: 23.01.19 End: 23.01.19	Ground Level (m AOD): 6.08	National Grid Co-ordinate: E:490326.8 N:099449.0	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.30)	
						Orangish brown slightly sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.30	
							(0.41)	
						Trial pit terminated at 0.71 m depth.	0.71	

Plan (Not to Scale) 		General Remarks	
		1. Trial pit was unstable throughout owing to high resting water level (standing water around trial pit). 2. Surface water seepage at 0.10 m depth. 3. Soakage test not undertaken owing to high resting groundwater level, however rising groundwater level recorded over 1 hour. 4. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:



Contract:		Client:		Trial Pit:	
Sefter Road, Bognor Regis		Taylor Wimpey UK Ltd		TP213	
Contract Ref:	Start: 23.01.19	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:	
305035	End: 23.01.19	6.19	E:490273.2 N:099402.3	1 of 1	

Plan (Not to Scale)		General Remarks 1. Trial pit was unstable throughout owing to high resting water level (standing water around trial pit). 2. Surface water seepage at 0.25 m depth. 3. Soakage test not undertaken owing to high resting groundwater level, however rising groundwater level recorded over 1.5 hours. 4. On completion, trial pit backfilled with arisings.	
		All dimensions in metres	Scale: 1:25
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By: AGS



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP214	
Contract Ref: 305035	Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.40	National Grid Co-ordinate: E:490205.8 N:099444.7	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.35)	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.35	
							(0.30)	
						Trial pit terminated at 0.65 m depth.	0.65	

Plan (Not to Scale) 		General Remarks	
		1. Groundwater struck at 0.6m depth within the light greyish brown sandy clay. 2. Topsoil stratum unstable. 3. Soakage test carried out. 4. On completion, trial pit backfilled with arisings.	
		All dimensions in metres	Scale: 1:25
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP215	
Contract Ref: 305035	Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.12	National Grid Co-ordinate: E:490111.4 N:099429.5	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.30) 0.30	
						Orangish brown and light brownish grey sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(1.30)	
						1.30-1.50m : becomes slightly gravelly CLAY with a low cobble content cobble subangular flint to 100 mm in size	1.60	
						Trial pit terminated at 1.60 m depth.		

Plan (Not to Scale) 		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:



Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP216
Contract Ref: 305035	Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.06	National Grid Co-ordinate: E:490022.6 N:099450.9	Sheet: 1 of 1

Plan (Not to Scale)		General Remarks 1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
		All dimensions in metres	Scale: 1:25
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By: AGS



TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP217	
Contract Ref: 305035		Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.16	National Grid Co-ordinate: E:490058.1 N:099490.6	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.30)	
						Brownish grey, orangish brown and dark brown slightly sandy CLAY. Sand is fine to medium. Brick fragment at 0.4 m depth. (RIVER TERRACE DEPOSITS)	0.30	
						Trial pit terminated at 0.55 m depth.	0.55	

Plan (Not to Scale)		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP218	
Contract Ref: 305035	Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.28	National Grid Co-ordinate: E:490085.3 N:099550.0	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	0.25	
						Orangish brown, light greyish brown and dark brown mottled sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(1.25)	
							1.50	
						Trial pit terminated at 1.50 m depth.		

Plan (Not to Scale) 		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP219	
Contract Ref: 305035	Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.19	National Grid Co-ordinate: E:490103.2 N:099616.6	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	0.25	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(1.05)	
						Orangish brown and light brownish grey slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular coarse flint. (RIVER TERRACE DEPOSITS)	1.30	
						Trial pit terminated at 1.50 m depth.	1.50	

Plan (Not to Scale)		General Remarks	
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:



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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP220	
Contract Ref: 305035		Start: 22.01.19 End: 22.01.19	Ground Level (m AOD): 6.72	National Grid Co-ordinate: E:490168.9 N:099591.1	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	0.25	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.50	
						Trial pit terminated at 0.50 m depth.		

Plan (Not to Scale) 		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Soakage test carried out. 3. On completion, trial pit backfilled with arisings.			
		All dimensions in metres		Scale: 1:25	
Method Used: Machine dug		Plant Used: JCB-3CX		Logged By: EHughes	Checked By:

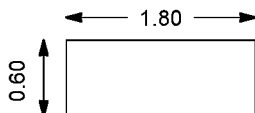


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TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP221	
Contract Ref: 305035	Start: 23.01.19 End: 23.01.19	Ground Level (m AOD): 6.51	National Grid Co-ordinate: E:490238.0 N:099574.6	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown	(0.35)	
						Orangish brown slightly sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.35	
						Trial pit terminated at 0.60 m depth.	0.60	

Plan (Not to Scale) 	General Remarks 1. Trial pit remained dry during excavation. 2. Some collapse of topsoil stratum 0.00 to 0.35 m depth. 3. Soakage test carried out. 4. On completion, trial pit backfilled with arisings.		
All dimensions in metres	Scale: 1:25		
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By: 



DRAFT

TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP222	
Contract Ref: 305035		Start: 23.01.19 End: 23.01.19	Ground Level (m AOD): 6.48	National Grid Co-ordinate: E:490212.0 N:099511.6	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	(0.30)	
						Orangish brown, light brown and occasional dark brown slightly sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.30	
							(0.60)	
						Trial pit terminated at 0.90 m depth due to incoming groundwater.	0.90	

Plan (Not to Scale)		General Remarks			
		1. Water seepage at base 0.90 m depth. 2. Partial collapse of topsoil stratum 0.00 to 0.30 m depth. 3. Soakage test carried out. 4. On completion, trial pit backfilled with arisings.			
All dimensions in metres		Scale: 1:25			
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:		



DRAFT

TRIAL PIT LOG

Contract: Sefter Road, Bognor Regis		Client: Taylor Wimpey UK Ltd		Trial Pit: TP223	
Contract Ref: 305035	Start: 23.01.19 End: 23.01.19	Ground Level (m AOD): 6.68	National Grid Co-ordinate: E:490156.4 N:099532.2	Sheet: 1 of 1	

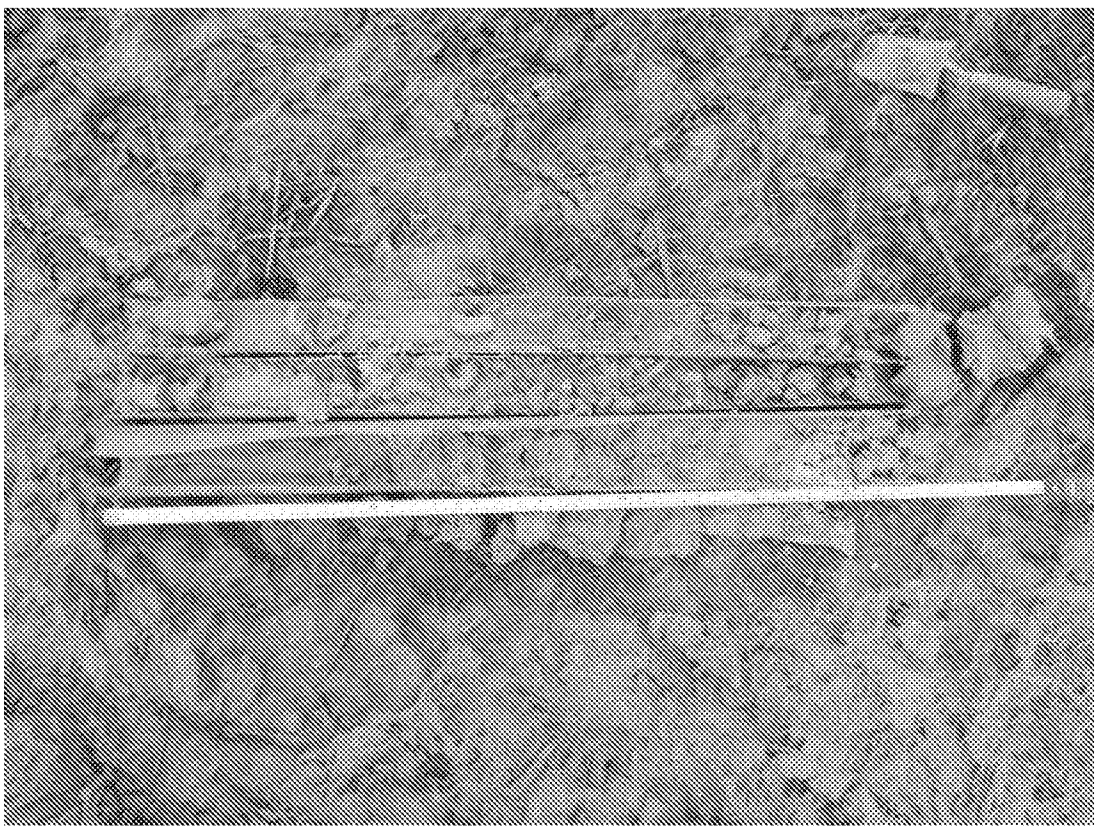
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						TOPSOIL: Brown slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse flint.	0.25	
						Orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	0.50	
						Trial pit terminated at 0.50 m depth.		

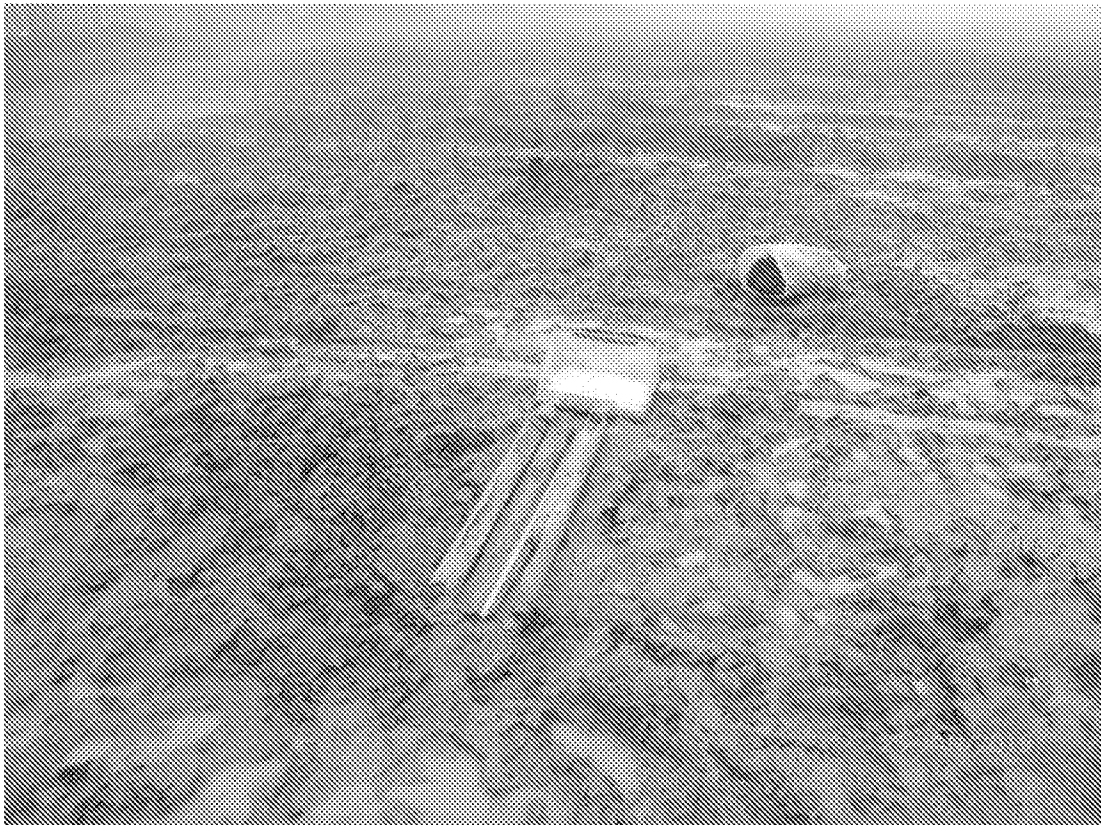
Plan (Not to Scale) 		General Remarks	
		1. Trial pit remained dry during excavation. 2. Soakage test carried out. 3. Partial collapse of topsoil stratum 0.00 to 0.25 m depth during soakage test. 4. On completion, trial pit backfilled with arisings.	
All dimensions in metres		Scale: 1:25	
Method Used: Machine dug	Plant Used: JCB-3CX	Logged By: EHughes	Checked By:

APPENDIX C

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 1		
Date: 25/01/2019		
Facing northwest, overview of BH206		
Photo No. 2		
Date: 25/01/2019		
BH206 hand pit arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 3		
Date: 25/01/2019		
BH206 core soils recovery: 1. 2-3 m (L-R) 2. 1-2 m (L-R)		
Photo No. 4		
Date: 25/01/2019		
Facing northeast, overview of BH207		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 5		
Date: 25/01/2019		
BH207 core soils recovery: 1. 2-3 m (L-R) 2. 1-2 m (L-R)		
Photo No. 6		
Date: 25/01/2019		
Facing northwest, overview of BH208		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 7		
Date: 25/01/2019		
BH208 core soils recovery: 1. 2-3 m (L-R) 2. 1-2 m (L-R)		
Photo No. 8		
Date: 25/01/2019		
Facing northeast, overview of BH209		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 9		
Date: 25/01/2019		
BH209 core soils recovery: 1. 2-3 m (L-R) 2. 1-2 m (L-R)		
Photo No. 10		
Date: 24/02/2019		
BH210 handpit arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 11		
Date: 24/02/2019		
BH210 core soils recovery: 1. 2-3 m (L-R) 2. 1-2 m (L-R)		
Photo No. 12		
Date: 25/01/2019		
Facing northwest, overview of BH211		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 13		
Date: 25/01/2019		
BH211 core soils recovery: 1. 2-3 m (L-R) 2. 1-2 m (L-R)		
Photo No. 14		
Date: 25/01/2019		
BH211 core soils recovery: 1. 2-3 m (L-R) 2. 1-2 m (L-R)		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 15		
Date: 21/01/2019		
Facing southeast, overview of TP201		
Photo No. 16		
Date: 21/01/2019		
Arisings from TP201		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 17		
Date: 21/01/2019		
View downhole of TP201, during soakaway test		
Photo No. 18		
Date: 23/01/2019		
Facing east, overview of TP202 and arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 19		
Date: 2/01/2019		
Facing northeast, view of TP203 and arisings		
Photo No. 20		
Date: 23/01/2019		
Facing north, view of TP204 and arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 21		
Date: 23/01/2019		
Downhole view of TP204		
Photo No. 22		
Date: 23/01/2019		
Facing northeast, view of TP205 and arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 23		
Date: 23/01/2019		
Downhole view of TP205		
Photo No. 24		
Date: 21/01/2019		
Facing east, view of TP206 and arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 25		
Date: 22/01/2019		
Facing east, view of TP207		
Photo No. 26		
Date: 22/01/2019		
Downhole view of TP207		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 27		
Date: 22/01/2019		
Facing northeast, view of TP208		
Photo No. 28		
Date: 22/01/2019		
Facing southwest, view of TP209		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 29		
Date: 21/01/2019		
Facing southeast, overview of TP210 and arisings		
Photo No. 30		
Date: 21/01/2019		
Downhole view of TP210		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 31		
Date: 21/01/2019		
Facing southwest, view of TP211		
Photo No. 32		
Date: 21/01/2019		
Downhole view of TP211		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 33		
Date: 23/01/2019		
Facing southwest, view of TP212 and arisings		
Photo No. 34		
Date: 24/01/2019		
View of TP2123		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 35		
Date: 22/01/2019		
Facing east, view of TP214		
Photo No. 36		
Date: 22/01/2019		
Downhole view of TP215		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 37		
Date: 22/01/2019		
Facing southwest, view of TP216		
Photo No. 38		
Date: 22/01/2019		
Facing southwest, view of TP218 and arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 39		
Date: 22/01/2019		
Facing west, view of TP219 and arisings		
Photo No. 40		
Date: 22/01/2019		
Downhole view of TP219		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 41		
Date: 22/01/2019		
View of TP220		
Photo No. 42		
Date: 23/01/2019		
Facing east, view of TP221 and arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 43		
Date: 23/01/2019		
Downhole view of TP221 during soakage test		
Photo No. 44		
Date: 23/01/2019		
Facing southeast, view of TP222		

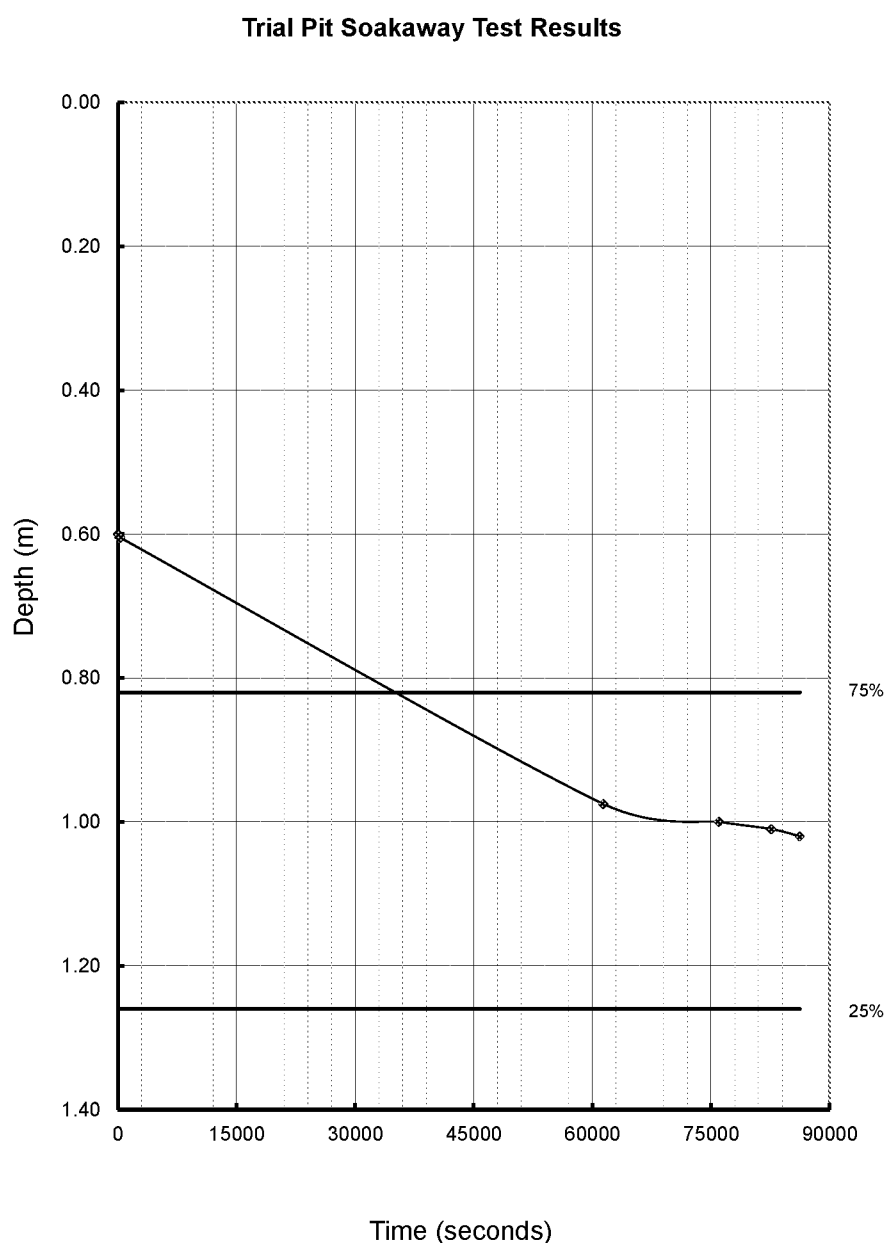
PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 45		
Date: 23/01/2019		
Downhole view of TP222		
Photo No. 46		
Date: 23/01/2019		
Facing south, view of TP223		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 47		
Date: 23/01/2019		
Downhole view of TP223		

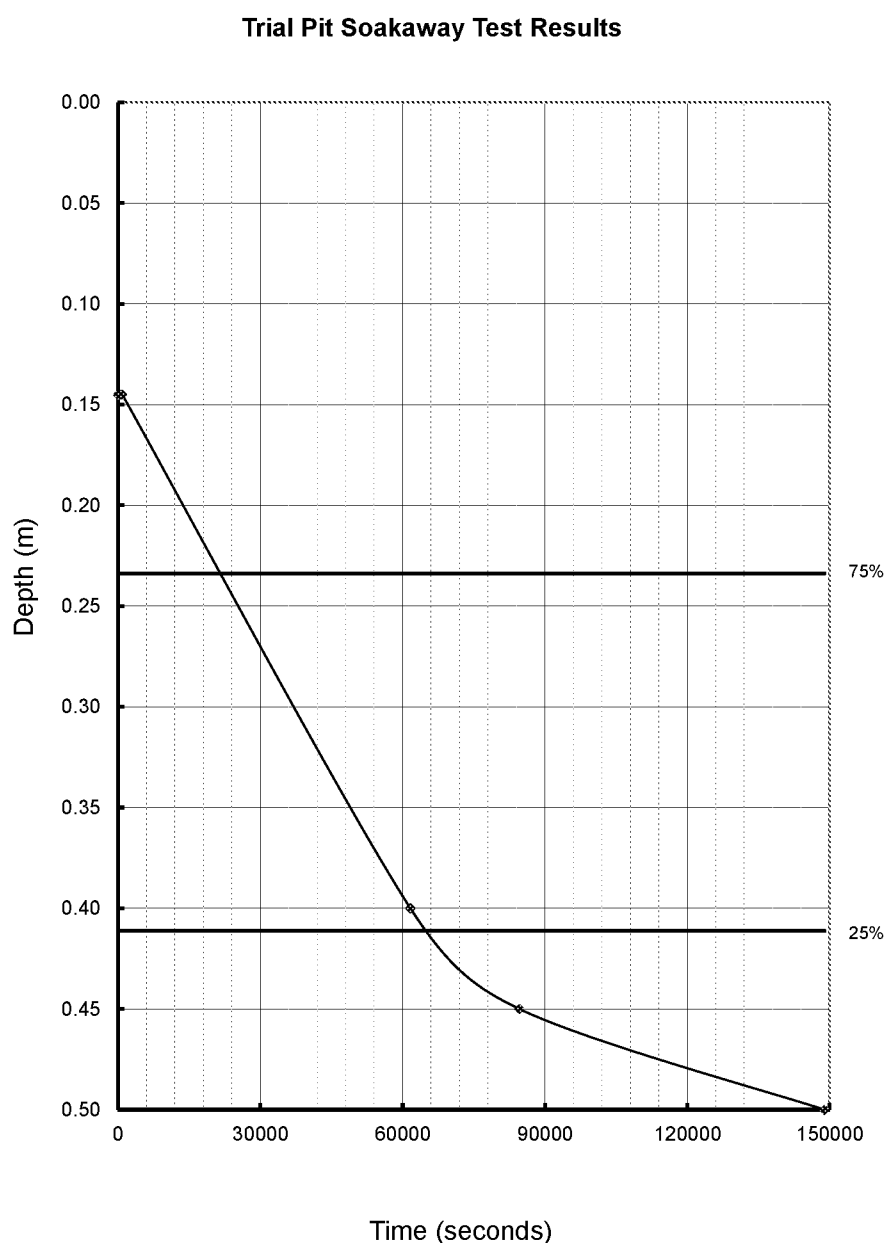
APPENDIX D

TRIAL PIT SOAKAWAY TEST DATA

Location	TP202	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.15
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.60
Operator	Edward Hughes-Phillips 27-Feb-19	Depth to base of trial pit (mbgl)	1.48
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	1.48

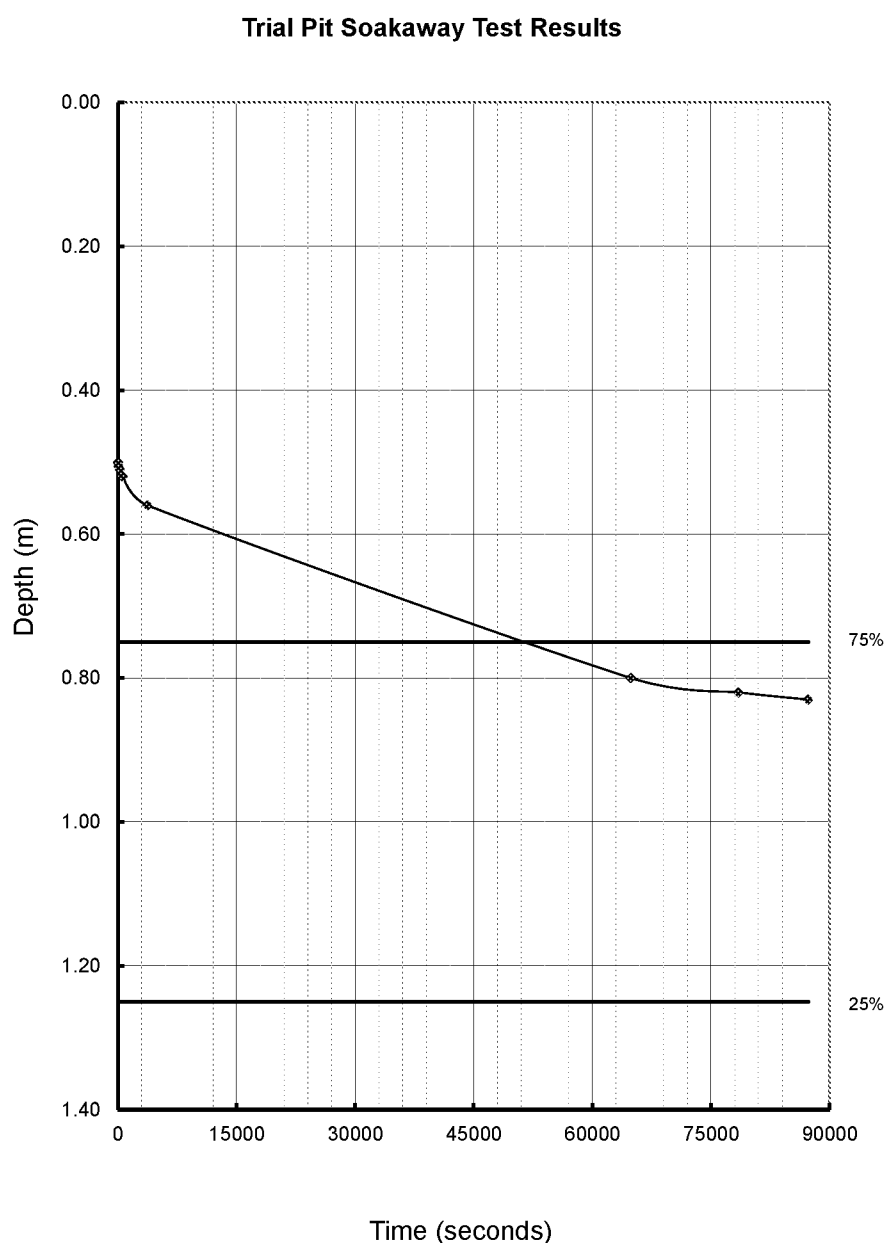
[illegible]

Results		Comments
Vp 75-25 (m3)	0.57	1. Groundwater at 1.60 m prior to soakaway test.
ap 50 (m2)	3.71	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

[illegible]

Results		Comments
Vp 75-25 (m3)	0.19	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	2.09	
tp 75-25 (s)	44000	
Infiltration Rate (m/s)	2.08E-06	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP204	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.20
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.35

[illegible]

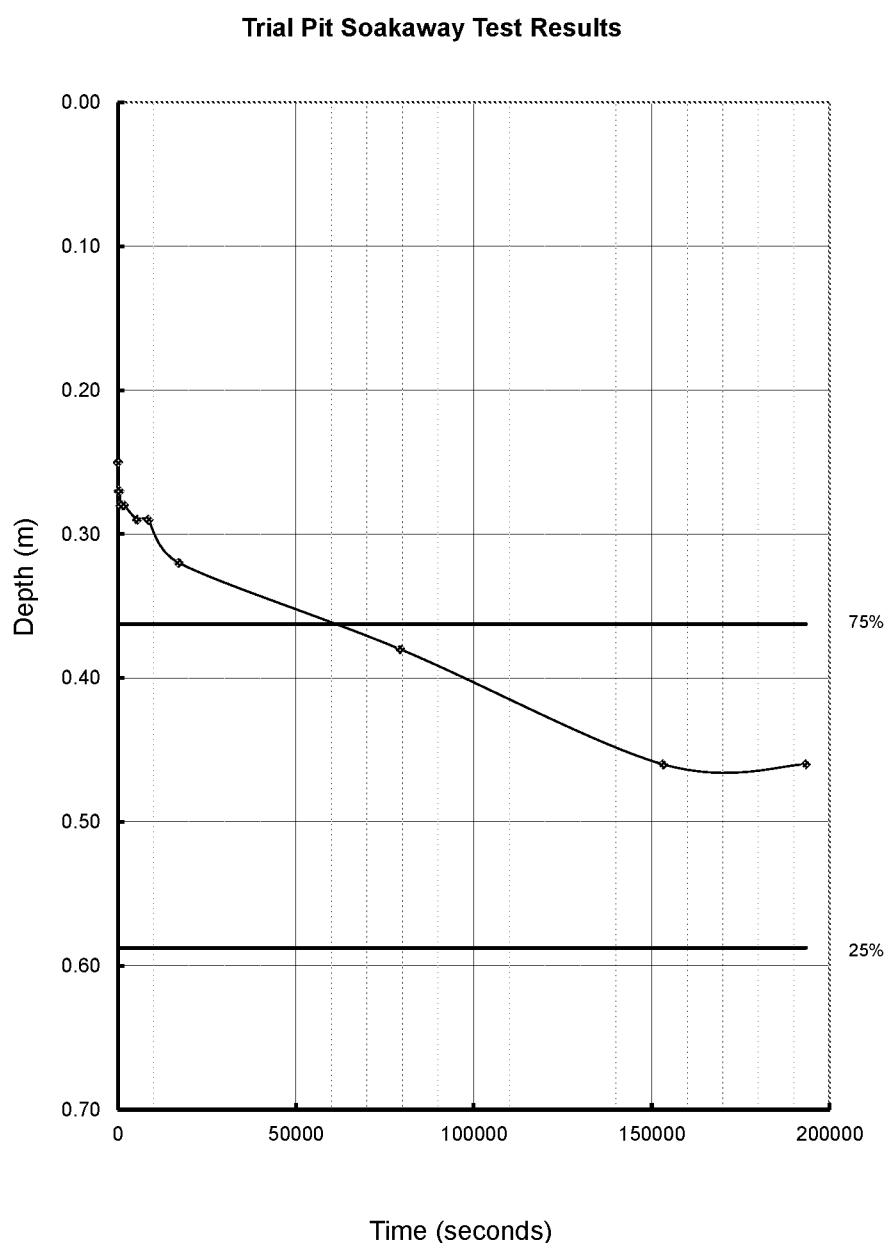
Results		Comments
Vp 75-25 (m3)	0.66	1. Groundwater at 1.50 m prior to soakaway test.
ap 50 (m2)	4.12	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Trial Pit Soakaway Test DRAFT			
Location	TP205	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.30
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.46

Time (Secs)	Water level (mbgl)	
0	0.50	Trial Pit Soakaway Test Results
120	0.50	
6300	0.60	
9540	0.64	
73440	0.80	
83640	0.83	
92400	0.83	

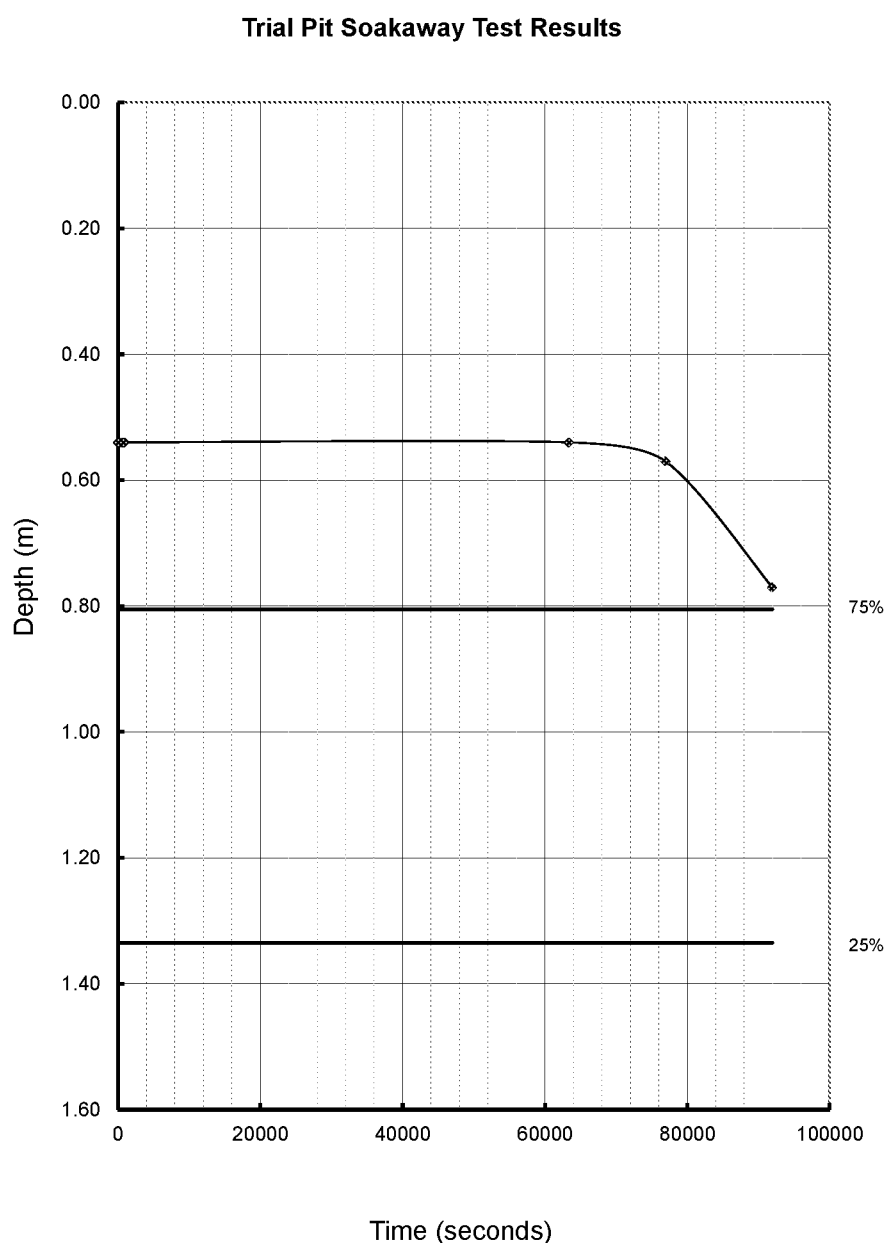
Results	Comments								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Vp 75-25 (m3)</td> <td>0.69</td> </tr> <tr> <td>ap 50 (m2)</td> <td>4.29</td> </tr> <tr> <td>tp 75-25 (s)</td> <td>-</td> </tr> <tr> <td>Infiltration Rate (m/s)</td> <td>-</td> </tr> </table>	Vp 75-25 (m3)	0.69	ap 50 (m2)	4.29	tp 75-25 (s)	-	Infiltration Rate (m/s)	-	1. Groundwater at 1.45 m prior to soakaway test. RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ
Vp 75-25 (m3)	0.69								
ap 50 (m2)	4.29								
tp 75-25 (s)	-								
Infiltration Rate (m/s)	-								

Location	TP206	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.80
Job number	305035	Width of trial pit (m)	1.00
Test date	21 January 2019	Water level at start (mbgl)	0.25
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	0.70
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	0.70

[illegible]

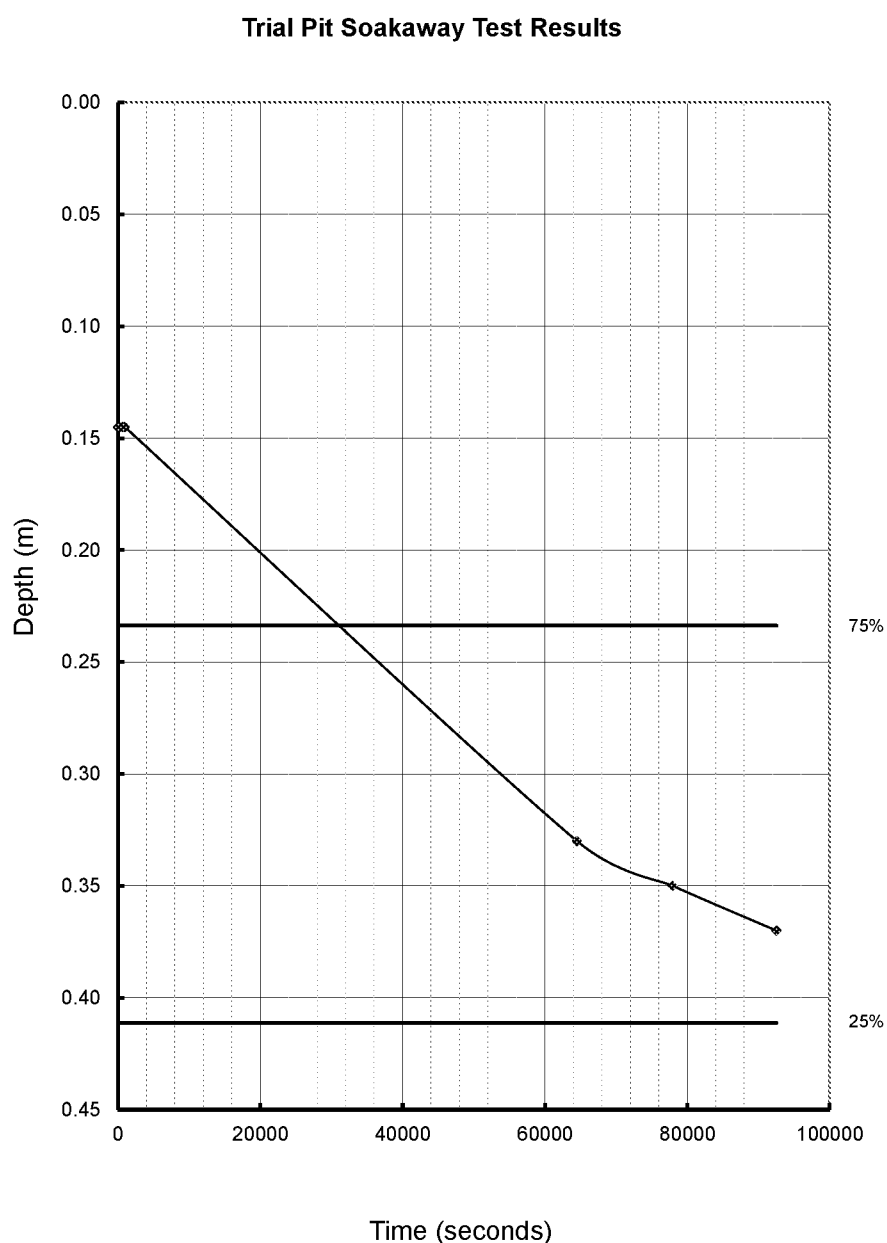
Results		Comments
Vp 75-25 (m3)	0.63	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	4.51	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP207	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.40
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.54
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.60
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.20

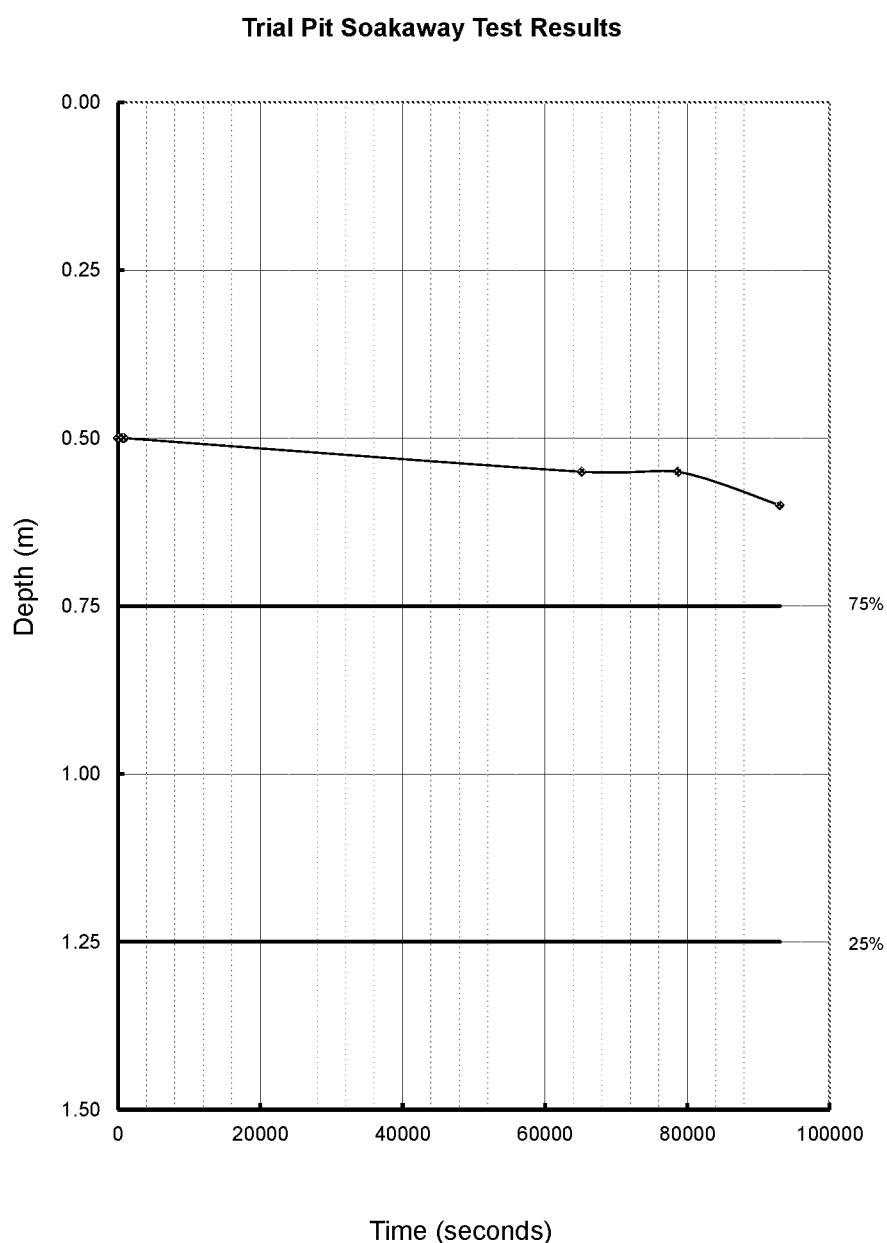
[illegible]

Results		Comments
Vp 75-25 (m3)	0.57	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	4.10	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP208	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.60
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.15
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	0.50
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	0.45

[illegible]

Results		Comments
Vp 75-25 (m3)	0.21	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	2.25	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

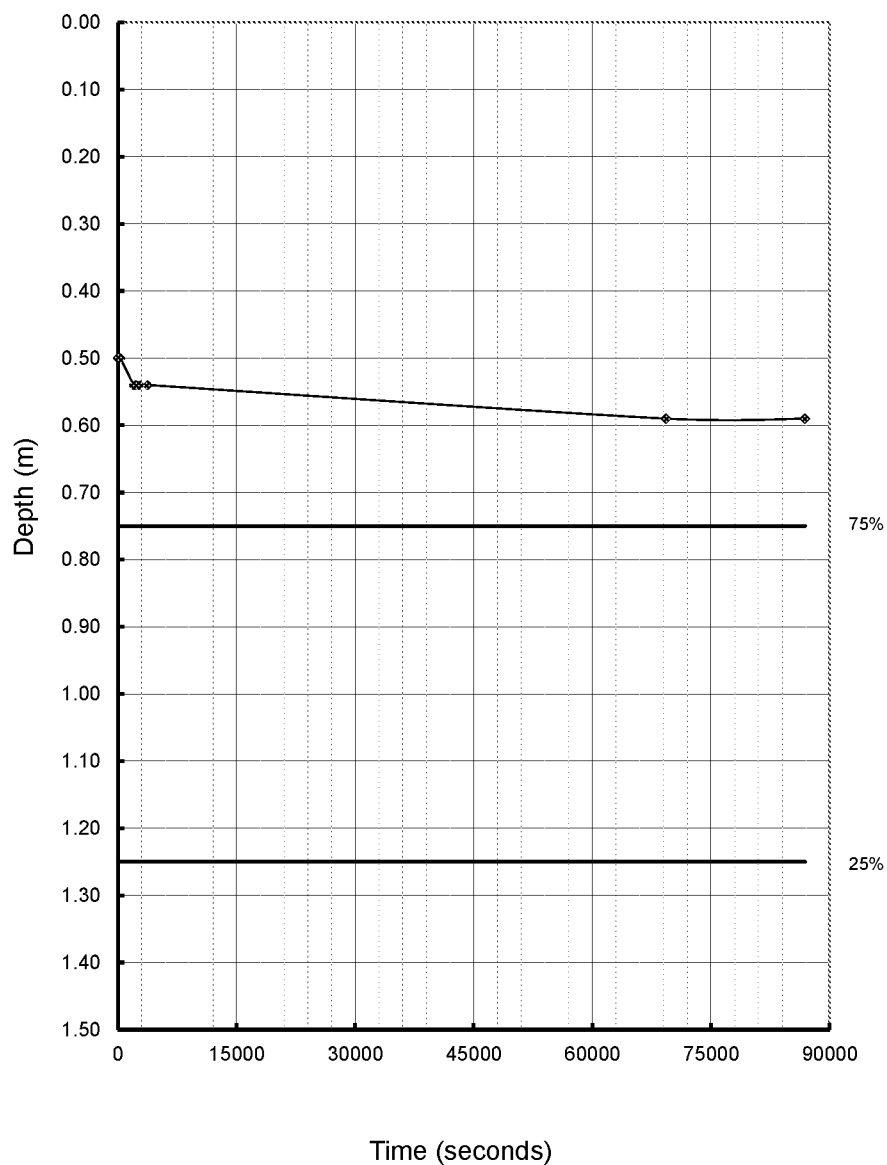
[illegible]

Results		Comments
Vp 75-25 (m3)	0.54	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	3.93	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Location	TP211	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.50
Job number	305035	Width of trial pit (m)	0.45
Test date	21 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.50

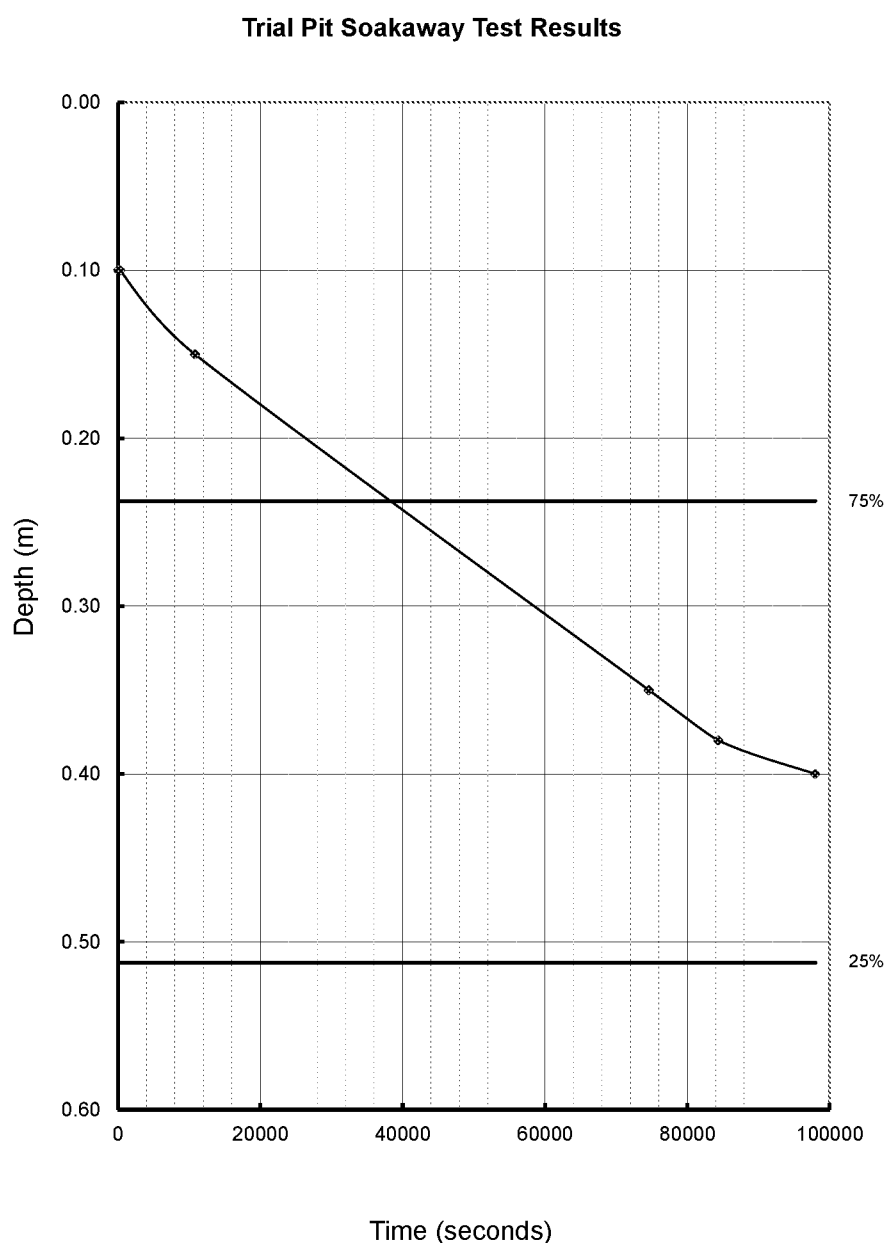
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Trial Pit Soakaway Test Results



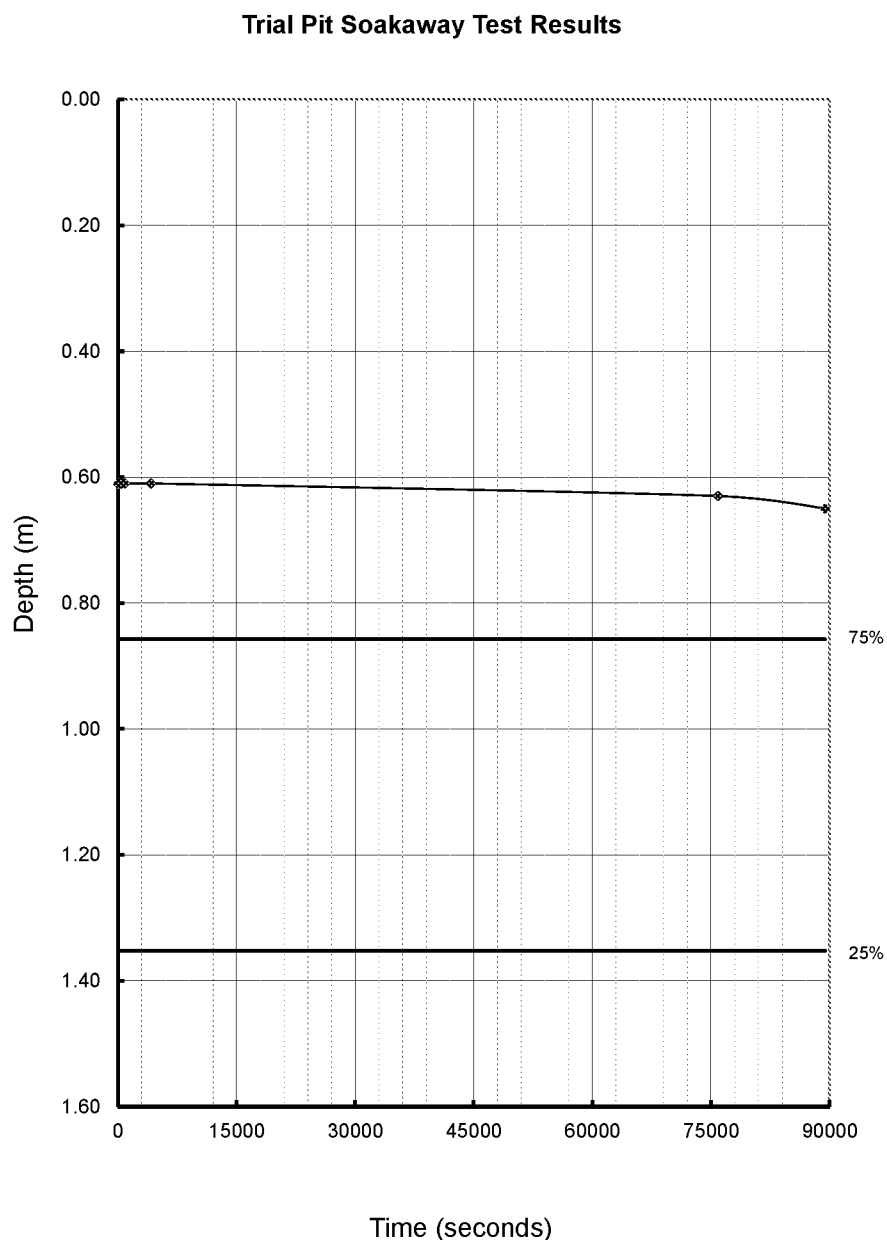
Results		Comments
Vp 75-25 (m3)	0.56	1. Groundwater at 1.50 m prior to soakaway test.
ap 50 (m2)	4.08	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP214	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	3.00
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.10
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	0.65
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	0.65

[illegible]

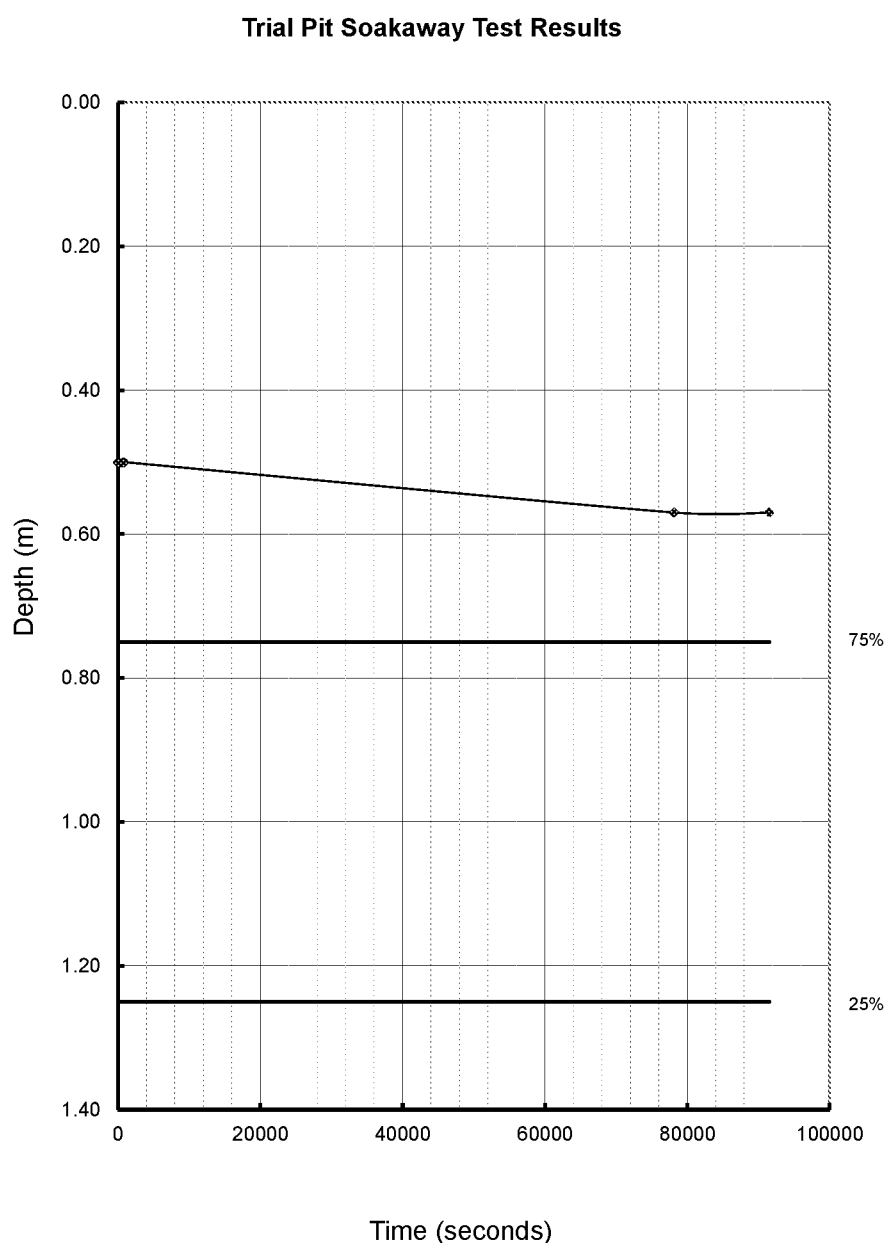
Results		Comments
Vp 75-25 (m3)	0.37	1. Groundwater at 0.60 m prior to soakaway test.
ap 50 (m2)	3.25	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Location	TP215	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.40
Job number	305035	Width of trial pit (m)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.61
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.60
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.60

[illegible]

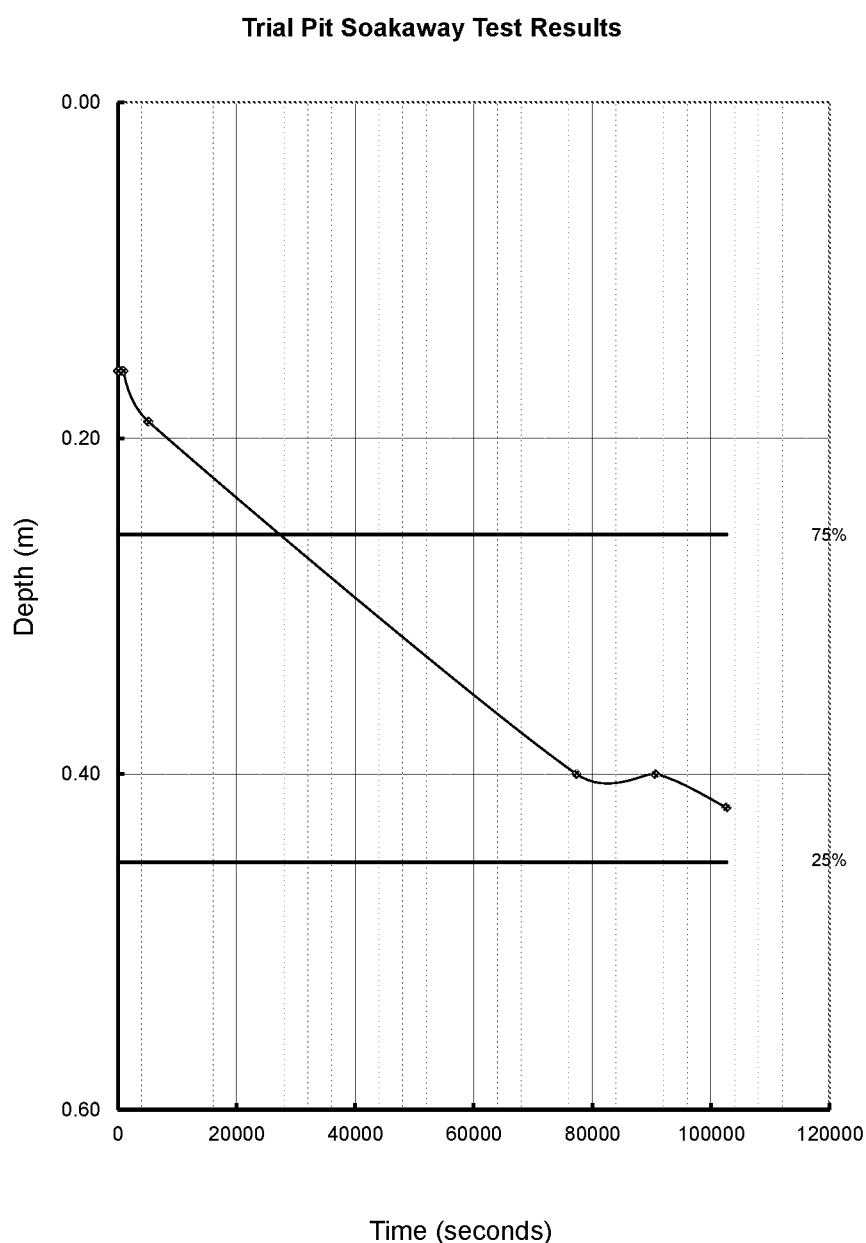
Results		Comments
Vp 75-25 (m3)	0.71	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	4.41	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP216	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.90
Job number	305035	Width of trial pit (m)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.50

[illegible]

Results		Comments
Vp 75-25 (m3)	0.87	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	5.24	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP217	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.40
Job number	305035	Width of trial pit (m)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.16
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	0.55
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	0.55

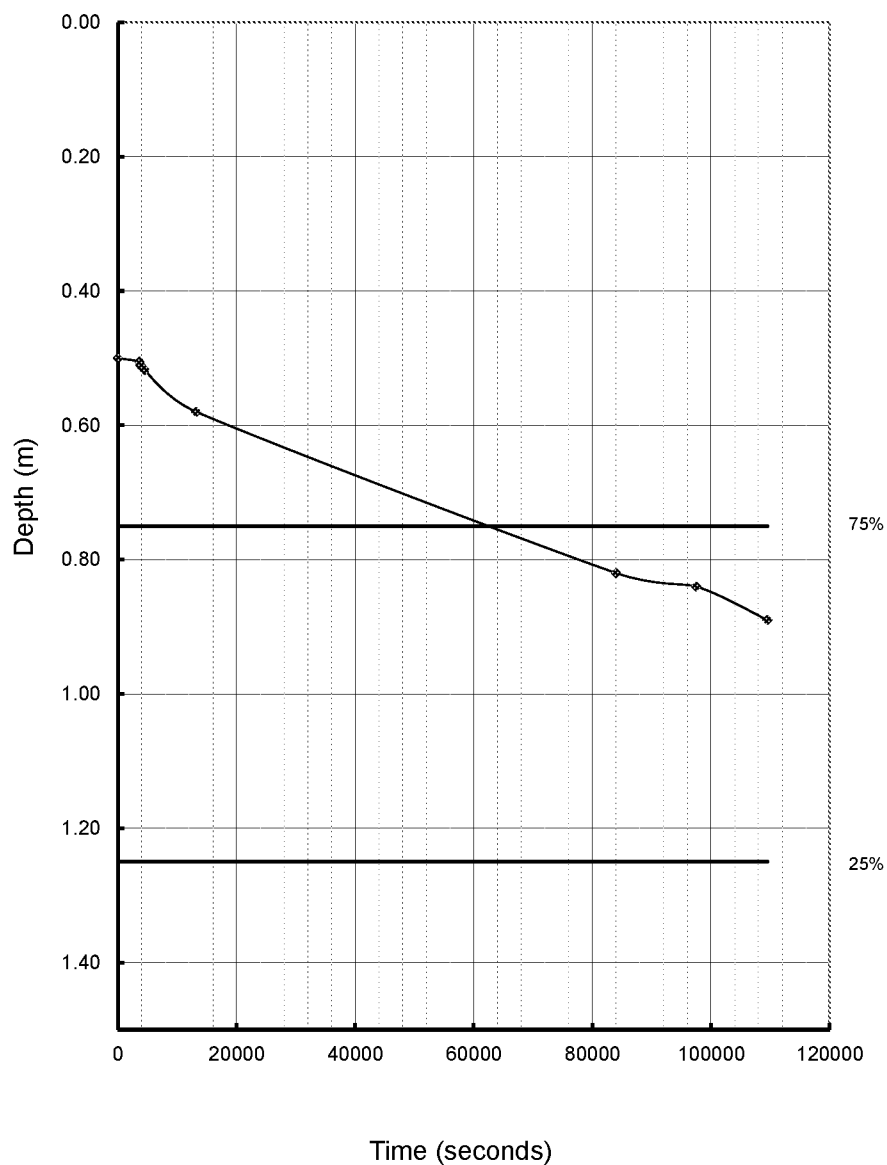
[illegible]

Results		Comments
Vp 75-25 (m3)	0.28	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	2.61	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP219	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.40
Job number	305035	Width of trial pit (m)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.50

[illegible]

Trial Pit Soakaway Test Results

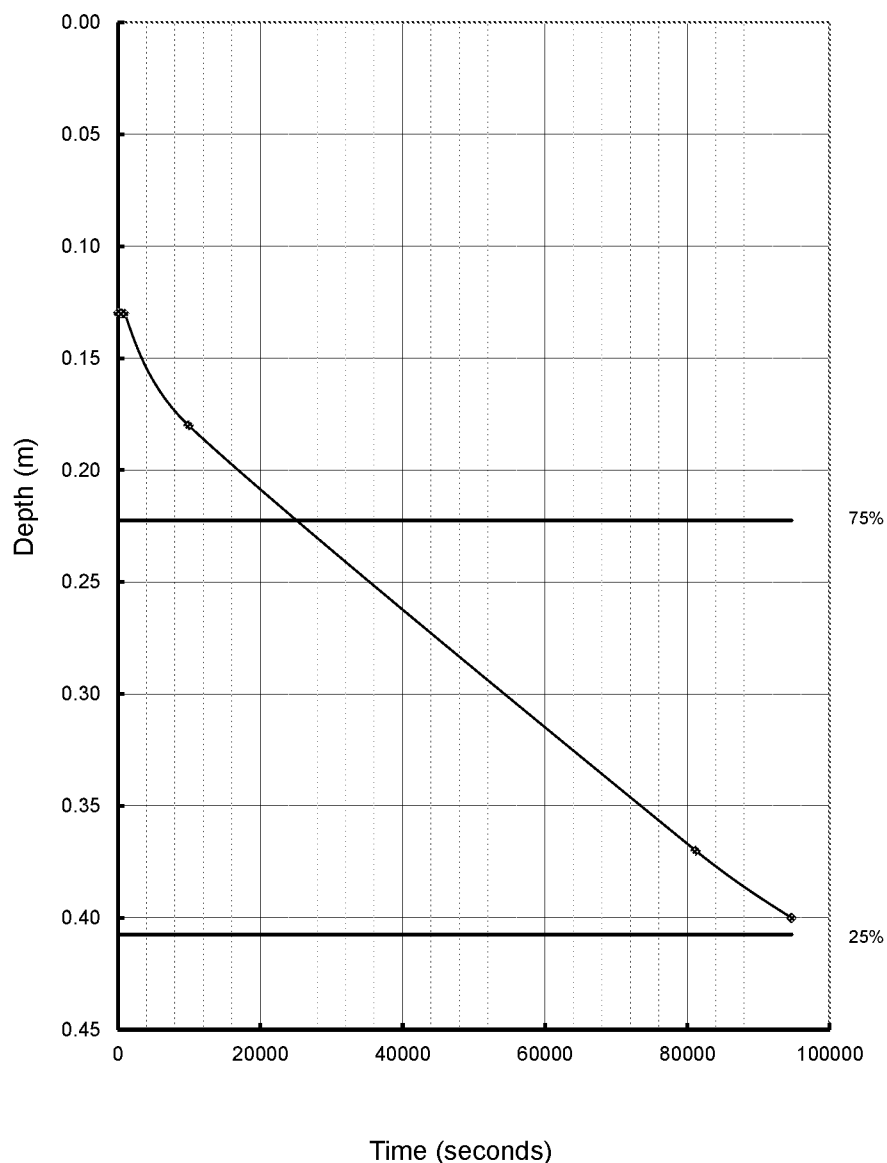


Results		Comments
Vp 75-25 (m3)	0.72	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	4.44	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP220	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.00
Job number	305035	Width of trial pit (m)	8.00
Test date	22 January 2019	Water level at start (mbgl)	0.13
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	0.50
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	0.50

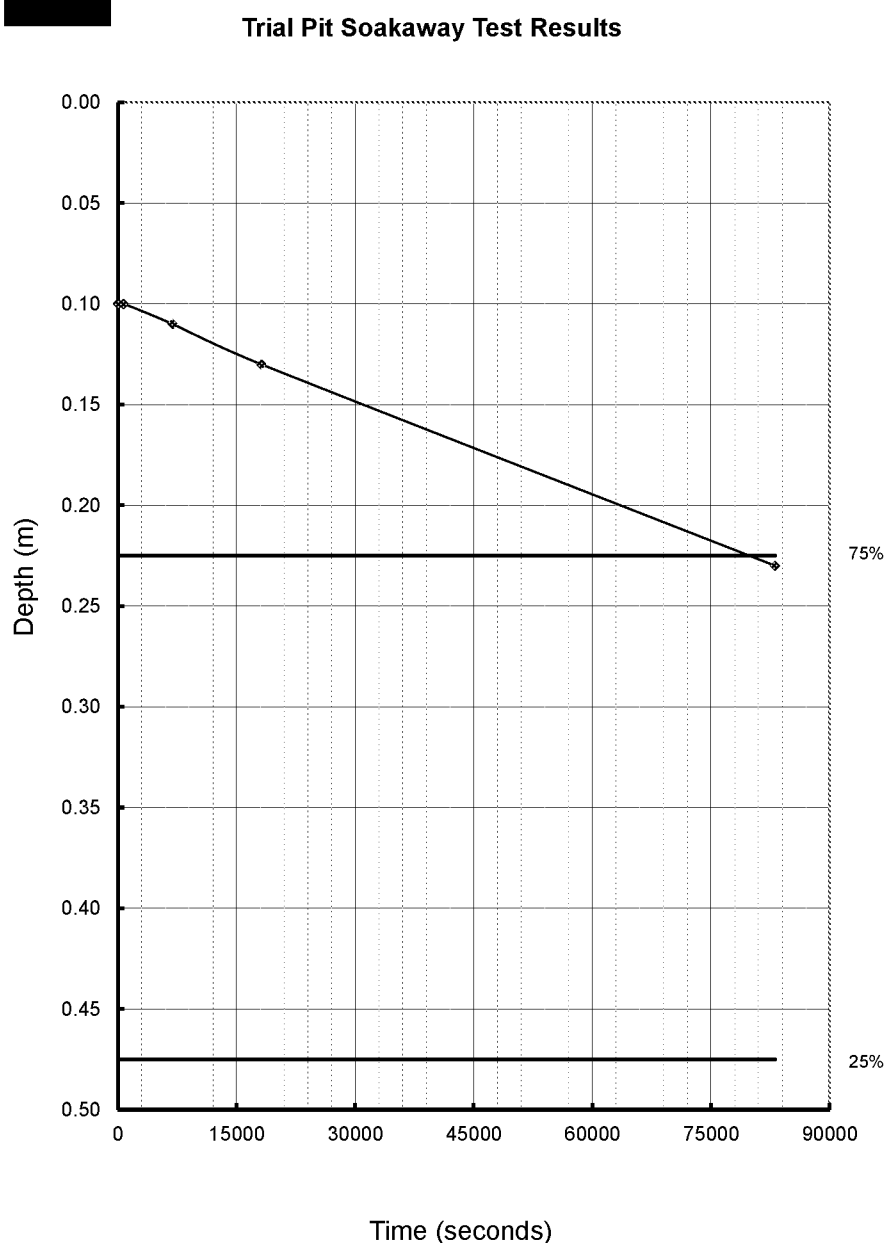
[illegible]

Trial Pit Soakaway Test Results



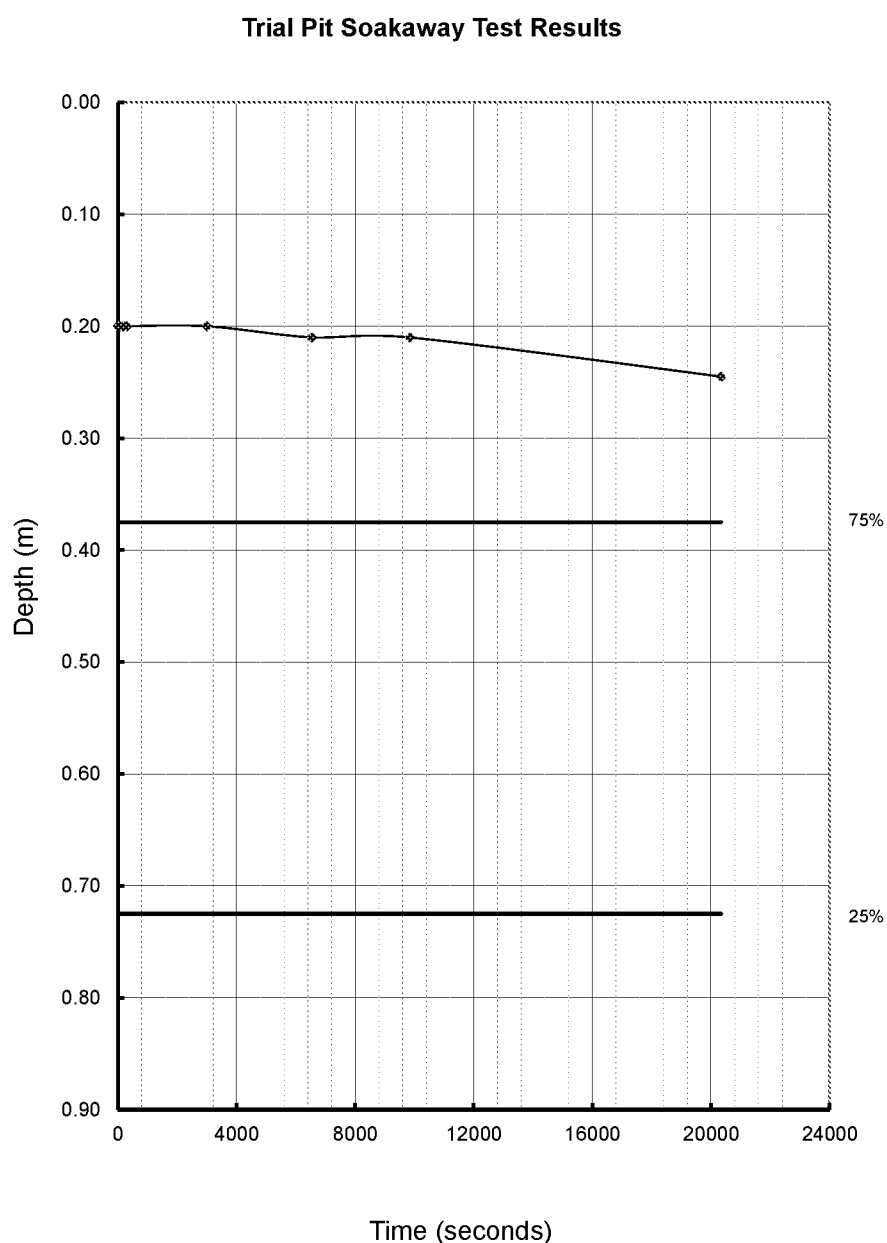
Results		Comments
Vp 75-25 (m3)	2.96	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	19.70	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP221	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	1.80
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.10
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	0.60
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	0.60

[illegible]

Results		Comments
Vp 75-25 (m3)	0.27	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	2.28	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Location	TP222	Test number	1
Site	Sefton Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	1.85
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.20
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	0.90
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	0.90

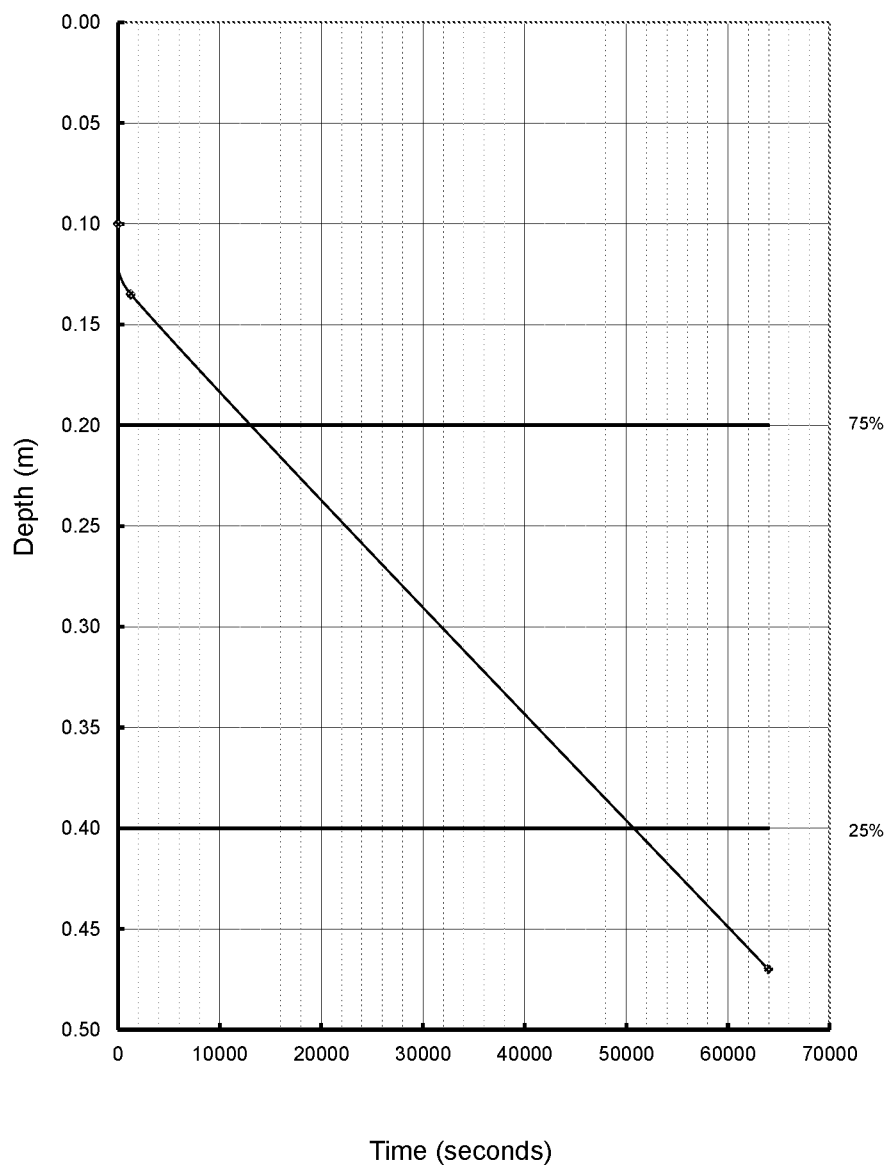
[illegible]

Results		Comments
Vp 75-25 (m3)	0.39	1. Groundwater at 0.90 m prior to soakaway test.
ap 50 (m2)	2.83	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Location	TP223	Test number	2
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.10
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.10
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	0.50
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	0.50

[illegible]

Trial Pit Soakaway Test Results



Results		Comments
Vp 75-25 (m3)	0.25	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	2.34	
tp 75-25 (s)	38000	
Infiltration Rate (m/s)	2.83E-06	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

APPENDIX E

GROUNDWATER MONITORING DATA

BH1 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018	Dry	Dry
14/11/2018	Dry	Dry
12/12/2018	1.55	4.998
16/01/2019	1.62	4.928
30/01/2019	1.60	4.948
13/02/2019	1.33	5.218
01/03/2019	1.53	5.023
18/03/2019	1.50	5.048
27/03/2019	1.60	4.948
05/04/2019	1.65	4.898
17/04/2019	1.75	4.798
09/05/2019	1.99	4.558

BH2 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018	0.88	6.031
14/11/2018	0.85	6.061
12/12/2018	0.64	6.271
16/01/2019	0.88	6.031
30/01/2019	0.80	6.111
13/02/2019	0.51	6.406
01/03/2019	0.80	6.111
18/03/2019	0.69	6.221
27/03/2019	0.93	5.981
05/04/2019	0.95	5.961
17/04/2019	1.01	5.901
09/05/2019	1.16	5.751

BH3 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018	0.88	5.232
14/11/2018	0.58	5.532
12/12/2018	0.00	6.112
16/01/2019	0.25	5.862
30/01/2019	0.33	5.782
13/02/2019	0.00	6.112
01/03/2019	0.20	5.912
18/03/2019	0.06	6.052
27/03/2019	0.07	6.042
05/04/2019	0.32	5.792
17/04/2019	0.48	5.632
09/05/2019	0.94	5.172

BH4 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018	1.03	5.236
14/11/2018	0.98	5.286
12/12/2018	0.82	5.446
16/01/2019	1.30	4.966
30/01/2019		
13/02/2019	0.73	5.536
01/03/2019	1.19	5.081
18/03/2019	0.96	5.306
27/03/2019	1.24	5.026
05/04/2019	1.28	4.986
17/04/2019	1.39	4.876
09/05/2019	1.46	4.806

BH201 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019	1.26	4.512
30/01/2019	1.60	4.167
13/02/2019	1.00	4.772
01/03/2019	1.23	4.537
18/03/2019	1.17	4.597
27/03/2019	1.27	4.497
05/04/2019	1.33	4.437
17/04/2019	1.38	4.387
09/05/2019	1.58	4.187

BH202 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019		
30/01/2019	1.08	4.669
13/02/2019	0.70	5.052
01/03/2019	1.06	4.689
18/03/2019	0.99	4.759
27/03/2019	1.05	4.699
05/04/2019	1.14	4.609
17/04/2019	1.18	4.569
09/05/2019	1.63	4.119

BH203 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019		
30/01/2019	1.08	4.669
13/02/2019	0.70	5.052
01/03/2019	1.06	4.689
18/03/2019	0.99	4.759
27/03/2019	1.05	4.699
05/04/2019	1.14	4.609
17/04/2019	1.18	4.569
09/05/2019	1.63	4.119

BH204 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019	1.10	4.693
30/01/2019	1.15	4.643
13/02/2019	0.84	4.958
01/03/2019	1.07	4.723
18/03/2019	1.08	4.713
27/03/2019	1.17	4.623
05/04/2019	1.18	4.613
17/04/2019	1.25	4.543
09/05/2019	1.38	4.413

BH205 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019		
30/01/2019	1.08	5.739
13/02/2019	0.92	5.904
01/03/2019	1.07	5.754
18/03/2019	1.06	5.759
27/03/2019	1.10	5.719
05/04/2019	1.12	5.699
17/04/2019	1.21	5.609
09/05/2019	1.36	5.459

BH206 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019	0.26	6.115
30/01/2019	0.35	6.025
13/02/2019	0.13	6.250
01/03/2019	0.31	6.065
18/03/2019	0.32	6.055
27/03/2019	0.54	5.835
05/04/2019	0.65	5.725
17/04/2019	0.54	5.835
09/05/2019	0.91	5.465

BH207 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019		
30/01/2019	0.25	5.945
13/02/2019	0.01	6.185
01/03/2019	0.22	5.980
18/03/2019	0.04	6.155
27/03/2019	0.49	5.705
05/04/2019	0.61	5.585
17/04/2019	0.79	5.405
09/05/2019	1.21	4.985

BH208 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019		
30/01/2019	0.29	5.790
13/02/2019	0.00	6.080
01/03/2019	0.15	5.930
18/03/2019	0.00	6.080
27/03/2019	0.10	5.980
05/04/2019	0.61	5.470
17/04/2019	0.89	5.190
09/05/2019	0.97	5.110

BH209 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019		
30/01/2019	1.08	5.356
13/02/2019	0.58	5.861
01/03/2019	1.04	5.396
18/03/2019	0.95	5.486
27/03/2019	1.06	5.376
05/04/2019		
17/04/2019		
09/05/2019		

BH210 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019		
30/01/2019	1.20	4.896
13/02/2019	0.61	5.486
01/03/2019	1.15	4.951
18/03/2019	1.02	5.076
27/03/2019	1.24	4.856
05/04/2019	1.30	4.796
17/04/2019	1.49	4.606
09/05/2019	1.57	4.526

BH211 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
25/01/2019		
30/01/2019	0.88	5.830
13/02/2019	0.36	6.350
01/03/2019	0.92	5.790
18/03/2019	0.84	5.870
27/03/2019	1.01	5.700
05/04/2019	1.07	5.640
17/04/2019	1.12	5.590
09/05/2019	1.23	5.480