



29<sup>th</sup> June 2020

Our Ref: 252380-L01 (00)

Abbey Park  
Humber Road  
Coventry  
CV3 4AQ  
UK

Telephone: +44 (0)24 7650 5600  
Fax: +44 (0)24 7650 1417  
[www.rsk.co.uk](http://www.rsk.co.uk)

Barratt Homes Mercia & David Wilson Homes Mercia  
Remus 2  
2 Cranbrook Way  
Solihull Business Park  
Solihull  
B90 4GT

**For the attention of Mr Paul Smith**

**RE: WYKHAM LANE, BODICOTE INFILTRATION TESTING**

Dear Paul,

Further to your recent instructions, RSK have carried out in-situ soakaway tests in order to support the discharging of outline planning conditions and provide information for the design of civil infrastructure for the proposed residential development at the above site. This letter presents a factual summary of the work undertaken, and is subject to RSK's service constraints, a copy of which is presented as Appendix A. The location of the site is shown in Figure 1.

**1. SITE INVESTIGATION METHODOLOGY**

The investigation and the soil descriptions were carried out in accordance with 'BS 5930:2015. Code of Practice for Site Investigations' (BSI, 2015); and the testing was undertaken in general accordance with Building Research Establishment (BRE) DG365.

Construction of the soakaways and subsequent testing was undertaken between the 18<sup>th</sup> May and 2<sup>nd</sup> June 2020, with a return to site to complete further tests and reinstate the soakaway pits between the 22<sup>nd</sup> and 24<sup>th</sup> June 2020. Each test location was set out by GPS to co-ordinates provided by the client on the figure "Setting Out For Infiltration Testing" ref.957-07-101 Rev A, dated April 2020. Each trial pit location was scanned using a Cable Avoidance Tool (CAT) and corresponding signal generator prior to excavation. A total of 41no. trial pits were excavated to the approximate base level specified on the setting out figure using a JCB 3CX excavator. Each pit was filled with gravel for soakaway testing with a slotted pipe installed for monitoring purposes.

The trial pits were infilled with clean water supplied by a towable bowser, and water level measurements were taken at regular intervals using a dip meter. Three tests were undertaken within each pit where infiltration rates allowed.

A plan showing the test locations is presented as Figure 2.



**INVESTORS  
IN PEOPLE**

RSK Environment Ltd  
Registered office  
65 Sussex Street • Glasgow • Scotland • G41 1DX • UK  
Registered in Scotland No. 115530  
[www.rsk.co.uk](http://www.rsk.co.uk)

The trial pit was excavated and logged by a suitably qualified engineer. A photographic record of the works undertaken is presented within Appendix B, and the trial pit logs are presented as Appendix C.

## 2. SOAKAWAY TEST RESULTS

As outlined in BRE DG365, the soil infiltration rate of the soils can be calculated from the time taken for the water level to fall from 75% to 25% effective storage depth in the soakage trial pit, using the following calculation:

$$f = \frac{V_{p75-25}}{as_{50} \times tp_{75-25}}$$

where:

$f$  = soil infiltration rate

$V_{p75-25}$  = the effective storage volume of water in the soakage trial pit between 75% and 25% effective storage depth

$as_{50}$  = the internal surface area of the soakage trial pit up to 50% effective storage depth and including the base area

$tp_{75-25}$  = the time for the water to fall from 75% to 25% effective storage depth

Table 1 summarises the testing undertaken, and the infiltration rates recorded. The test certificates are presented in full within Appendix D.

**Table 1: Summary of infiltration test results**

Location	Soakaway response zone (m bgl)	Stratum	Infiltration value	
			Test No.	Result (m/s)
IT1	0.25m – 1.01m	Marlstone Rock Formation	1	5.29x10 <sup>-4</sup>
			2	4.15x10 <sup>-4</sup>
			3	3.49x10 <sup>-4</sup>
IT2	0.25m – 0.99m	Marlstone Rock Formation	1	1.44x10 <sup>-4</sup>
			2	1.33x10 <sup>-4</sup>
			3	1.27x10 <sup>-4</sup>
IT3	0.15m – 0.66m	Marlstone Rock Formation	1	7.88x10 <sup>-4</sup>
			2	5.99x10 <sup>-4</sup>
			3	4.90x10 <sup>-4</sup>
IT4	0.18m – 0.61m	Marlstone Rock Formation	1	4.17x10 <sup>-4</sup>

Location	Soakaway response zone (m bgl)	Stratum	Infiltration value	
			Test No.	Result (m/s)
			2	2.56x10 <sup>-4</sup>
			3	1.98x10 <sup>-4</sup>
IT5	0.19m – 0.62m	Marlstone Rock Formation	1	2.51x10 <sup>-4</sup>
			2	2.14x10 <sup>-4</sup>
			3	1.98x10 <sup>-4</sup>
IT6	0.22m – 0.98m	Marlstone Rock Formation	1	5.15x10 <sup>-4</sup>
			2	4.11x10 <sup>-4</sup>
			3	4.57x10 <sup>-4</sup>
IT7	1.14m – 1.28m	Marlstone Rock Formation	1	N/A – Unable to calculate infiltration rate due to rapid draining of pit
			2	N/A – Unable to calculate infiltration rate due to rapid draining of pit
			3	2.83x10 <sup>-3</sup>
IT8	0.32m – 1.40m	Marlstone Rock Formation	1	7.73x10 <sup>-4</sup>
			2	6.35x10 <sup>-4</sup>
			3	5.22x10 <sup>-4</sup>
IT9	0.23m – 0.88m	Marlstone Rock Formation	1	7.09x10 <sup>-4</sup>
			2	4.72x10 <sup>-4</sup>
			3	4.02x10 <sup>-4</sup>
IB1	0.29m – 1.01m	Marlstone Rock Formation	1	2.56x10 <sup>-4</sup>
			2	2.28x10 <sup>-4</sup>
			3	1.60x10 <sup>-4</sup>
IB2	0.20m – 0.89m	Marlstone Rock Formation	1	2.54x10 <sup>-4</sup>
			2	1.89x10 <sup>-4</sup>
			3	1.62x10 <sup>-4</sup>

Location	Soakaway response zone (m bgl)	Stratum	Infiltration value	
			Test No.	Result (m/s)
IB3	0.19m – 0.53m	Marlstone Rock Formation	1	1.26x10 <sup>-3</sup>
			2	6.67x10 <sup>-4</sup>
			3	6.21x10 <sup>-4</sup>
IB4	0.20m – 0.75m	Marlstone Rock Formation	1	9.80x10 <sup>-5</sup>
			2	7.66x10 <sup>-5</sup>
			3	7.17x10 <sup>-5</sup>
IB5	0.30m – 0.80m	Marlstone Rock Formation	1	9.61x10 <sup>-4</sup>
			2	6.04x10 <sup>-4</sup>
			3	5.08x10 <sup>-4</sup>
IB7	1.12m – 1.76m	Marlstone Rock Formation	1	5.29x10 <sup>-4</sup>
			2	2.61x10 <sup>-4</sup>
			3	2.42x10 <sup>-4</sup>
IB8	0.45m – 1.01m	Marlstone Rock Formation	1	8.17x10 <sup>-4</sup>
			2	6.26x10 <sup>-4</sup>
			3	8.54x10 <sup>-4</sup>
IB9	0.25m – 0.58m	Marlstone Rock Formation	1	7.41x10 <sup>-4</sup>
			2	5.39x10 <sup>-4</sup>
			3	4.31x10 <sup>-4</sup>
IB10	0.26m – 0.61m	Marlstone Rock Formation	1	4.47x10 <sup>-4</sup>
			2	2.02x10 <sup>-4</sup>
			3	2.07x10 <sup>-4</sup>
IB11	0.24m – 0.68m	Marlstone Rock Formation	1	4.85x10 <sup>-4</sup>
			2	1.23x10 <sup>-4</sup>
			3	9.72x10 <sup>-5</sup>



Location	Soakaway response zone (m bgl)	Stratum	Infiltration value	
			Test No.	Result (m/s)
SA1	0.28m – 0.84m	Marlstone Rock Formation	1	$7.26 \times 10^{-4}$
			2	$5.17 \times 10^{-4}$
			3	$4.53 \times 10^{-4}$
SA2	0.96m – 1.79m	Marlstone Rock Formation	1	$7.51 \times 10^{-4}$
			2	$6.18 \times 10^{-4}$
			3	$5.84 \times 10^{-4}$
SA3	0.27m – 0.98m	Marlstone Rock Formation	1	$3.67 \times 10^{-4}$
			2	$2.25 \times 10^{-4}$
			3	$2.16 \times 10^{-4}$
SA4	0.45m – 0.98m	Marlstone Rock Formation	1	$1.09 \times 10^{-3}$
			2	$6.58 \times 10^{-4}$
			3	$4.77 \times 10^{-4}$
SA5	0.53m – 1.28m	Marlstone Rock Formation	1	$2.14 \times 10^{-3}$
			2	$1.01 \times 10^{-3}$
			3	$8.23 \times 10^{-4}$
SA6	0.30m – 1.15m	Marlstone Rock Formation	1	$8.43 \times 10^{-4}$
			2	$6.88 \times 10^{-4}$
			3	$5.52 \times 10^{-4}$
SA11	0.31m – 0.87m	Marlstone Rock Formation	1	$1.87 \times 10^{-3}$
			2	$1.22 \times 10^{-3}$
			3	$1.10 \times 10^{-3}$
SA12	1.26m – 1.46m	Marlstone Rock Formation	1	$1.96 \times 10^{-4}$
			2	$2.26 \times 10^{-4}$
			3	$2.11 \times 10^{-4}$
SA13	0.44m – 1.53m	Marlstone Rock Formation	1	$1.09 \times 10^{-3}$
			2	$7.55 \times 10^{-4}$

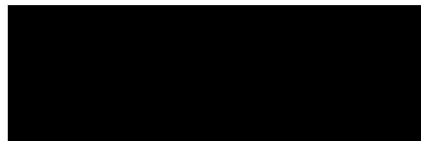
Location	Soakaway response zone (m bgl)	Stratum	Infiltration value	
			Test No.	Result (m/s)
			3	7.58x10 <sup>-4</sup>
SA14	0.23m – 0.99m	Marlstone Rock Formation	1	5.10x10 <sup>-4</sup>
			2	3.05x10 <sup>-4</sup>
			3	2.96x10 <sup>-4</sup>
SA15	0.59m – 1.26m	Marlstone Rock Formation	1	6.80x10 <sup>-3</sup>
			2	2.10x10 <sup>-3</sup>
			3	3.10x10 <sup>-3</sup>
SUD1	0.18m - 0.64m	Marlstone Rock Formation	1	4.05x10 <sup>-4</sup>
			2	1.91x10 <sup>-4</sup>
			3	1.52x10 <sup>-4</sup>
SUD2	0.18m – 0.64m	Marlstone Rock Formation	1	4.05x10 <sup>-4</sup>
			2	1.91x10 <sup>-4</sup>
			3	1.52x10 <sup>-4</sup>
SUD3	0.22m – 1.00m	Dyrham Formation	1	1.23x10 <sup>-5</sup>
			2	2.81x10 <sup>-6</sup>
			3	3.93x10 <sup>-6</sup>
SUD4	0.18m – 1.13m	Dyrham Formation	1	1.53x10 <sup>-5</sup>
			2	2.06x10 <sup>-5</sup>
			3	2.34x10 <sup>-5</sup>
*SUD4B	0.89m – 2.11	Dyrham Formation	1	8.38x10 <sup>-7</sup>
			2	2.75x10 <sup>-7</sup>
			3	1.28x10 <sup>-6</sup>
SUD5	0.22m – 2.19m	Dyrham Formation	1	3.02x10 <sup>-6</sup>
			2	3.59x10 <sup>-6</sup>
			3	3.42x10 <sup>-6</sup>

Location	Soakaway response zone (m bgl)	Stratum	Infiltration value	
			Test No.	Result (m/s)
SUD6	0.23m – 1.60m	Dyrham Formation	1	9.20x10 <sup>-5</sup>
			2	7.07x10 <sup>-5</sup>
			3	6.95x10 <sup>-5</sup>
*Extra position due to initial incorrect setting out of SUD4 position				
POR1	0.17m – 0.63m	Marlstone Rock Formation	1	8.11x10 <sup>-4</sup>
			2	5.00x10 <sup>-4</sup>
			3	4.90x10 <sup>-4</sup>
POR2	0.26m – 0.59m bgl	Marlstone Rock Formation	1	1.88x10 <sup>-3</sup>
			2	1.70x10 <sup>-3</sup>
			3	1.44x10 <sup>-3</sup>
POR3	0.23m – 0.70m	Marlstone Rock Formation	1	2.30x10 <sup>-3</sup>
			2	1.67x10 <sup>-3</sup>
			3	1.67x10 <sup>-3</sup>
POR4	0.09m – 0.57m	Marlstone Rock Formation	1	4.02x10 <sup>-4</sup>
			2	3.64x10 <sup>-4</sup>
			3	3.15x10 <sup>-4</sup>

We trust that the above and enclosed information is of assistance. Please do not hesitate to contact the undersigned should you have any comments or require any further information.

Yours sincerely

**for RSK Environment Limited - Geosciences**



**Ben Sowden**  
**Geoenvironmental engineer**  
 (Author)



**Mark Steward**  
**Director**  
 (Technical reviewer)

**ENC.**

**FIGURES**

- |          |                             |
|----------|-----------------------------|
| Figure 1 | Site location plan          |
| Figure 2 | Soakaway test location plan |

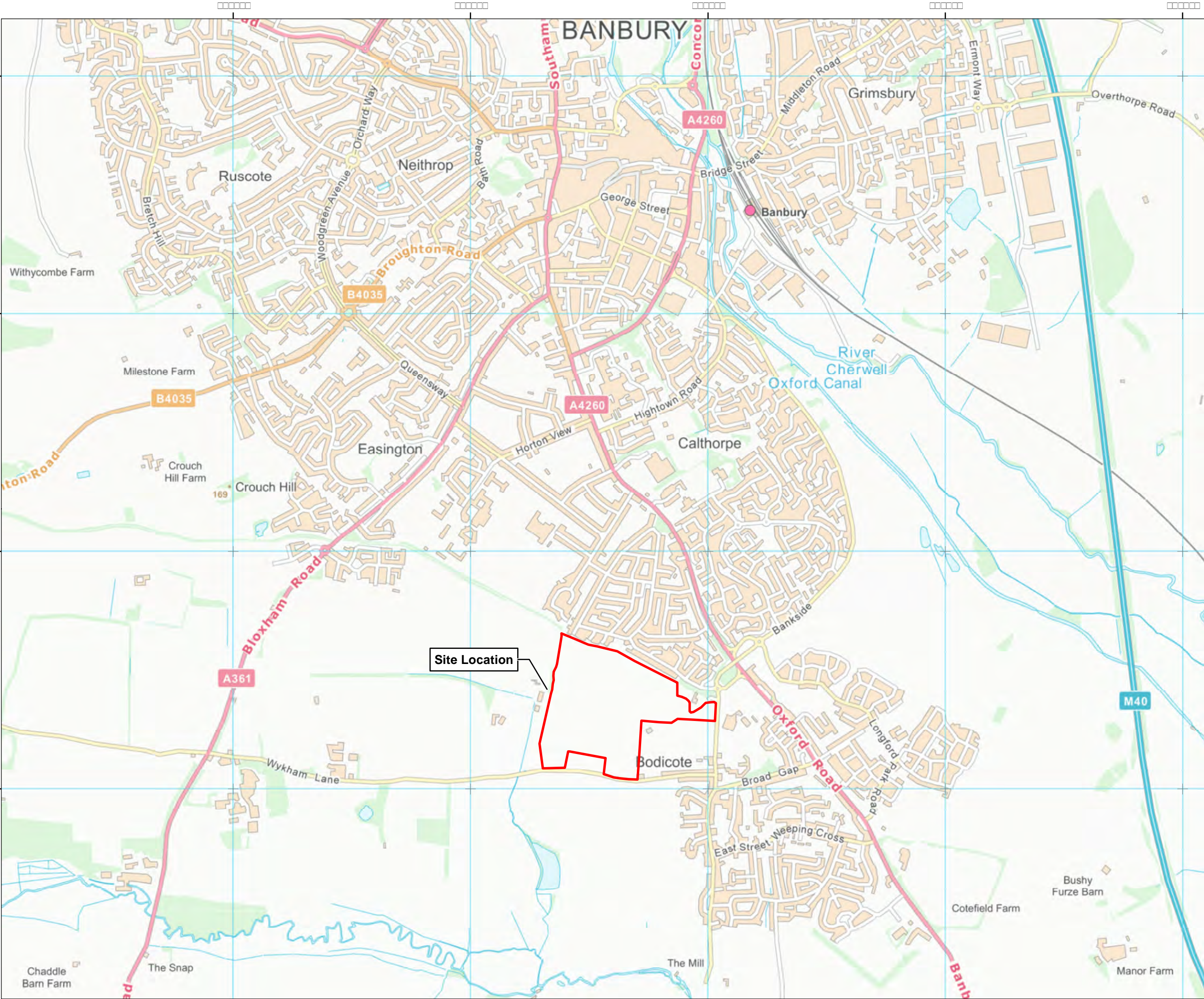
**APPENDICES**

- |            |                           |
|------------|---------------------------|
| Appendix A | Service constraints       |
| Appendix B | Photographic records      |
| Appendix C | Trial pit logs            |
| Appendix D | In-situ test certificates |

## FIGURES

---





Legend:  
[Red outline] Site Location

Map Data:  
Source: Ordnance Survey  
Date: 01/01/2023  
Scale: 1:50,000

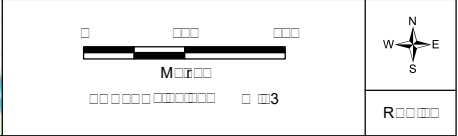


Rev	Date	Description	Drn	Chk	App

Wykam Lane, Bodicote



Project:  
Client:  
Address:









## 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 Barratt Homes Mercia & David Wilson Homes Mercia (the "Client") in accordance with the terms of a contract [RSK Environment Standard Terms and Conditions] between RSK and the Client, dated 29<sup>th</sup> April 2020. The Services were performed by RSK with the reasonable skill and care ordinarily exercised by an 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 are 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 scope 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.
- 10. The comments given in this report and the opinions expressed are based on the ground conditions encountered during the site work and on the results of tests made in the field and in the laboratory. However, there may be conditions pertaining to the site that have not been disclosed by the investigation and therefore could not be taken into account. In particular, it should be noted that there may be areas of made ground not detected due to the limited nature of the investigation or the thickness and quality of made ground across the site may be variable. In addition, groundwater levels and ground gas concentrations and flows, may vary from those reported due to seasonal, or other, effects and the limitations stated in the data should be recognised.
- 11. Asbestos is often observed to be present in soils in discrete areas. Whilst asbestos-containing materials may have been locally encountered during the fieldworks or supporting laboratory analysis, the history of brownfield and demolition sites indicates that asbestos fibres may be present more widely in soils and aggregates, which could be encountered during more extensive ground works.
- 12. Unless stated otherwise, only preliminary geotechnical recommendations are presented in this report and these should be verified in a Geotechnical Design Report, once proposed construction and structural design proposals are confirmed.



## APPENDIX C TRIAL PIT LOGS

---

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB1</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>125.63</b>	National Grid Co-ordinate: <b>E:445525.6 N:238588.2</b>	Sheet: <b>1 of 1</b>

GINT LIBRARY\_V10\_01.GLB LibVersion: v8.07\_001 PriVersion: v8.07 | Log TRIAL PIT LOG - A4P | 252380-BODICOTE-SOAKAWAYS.GPJ - v10\_01: 2008/06/20 - 17:04 | JS12 |



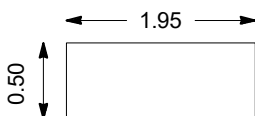


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB2</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>125.01</b>	National Grid Co-ordinate: <b>E:445592.9 N:238572.0</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Orangish brown slightly fine to coarse gravelly very fine to medium sandy SILT. Gravel of angular to subangular ironstone. Contains rootlets. (TOPSOIL)	(0.30)	
						Soft to firm friable light orangish brown fine to coarse gravelly fine to coarse sandy to very sandy CLAY. Gravel of angular to subangular ironstone. (MARLSTONE ROCK BED)	0.30 (0.45)	
						Trial pit terminated at 0.75m depth for soakaway test.	0.75	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:	
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--



# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB3</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>123.33</b>	National Grid Co-ordinate: <b>E:445632.2 N:238549.1</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Slightly reddish brown slightly fine to coarse gravelly fine to medium sandy SILT with abundant rootlets. (TOPSOIL)	0.25	
						Light orangish brown fine to coarse gravelly fine to coarse sandy COBBLES. Gravel and cobbles of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	(0.35) 0.60	
						Trial pit terminated at 0.60m depth for soakaway test.		

<b>Plan (Not to Scale)</b> 		<b>General Remarks</b> 1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.	
Method Used: <b>Inspection pit + Machine dug</b>		Plant Used: <b>JCB-3CX</b>	
Logged By: <b>BSowden</b>		Checked By: <b>AGS</b>	
All dimensions in metres		Scale: <b>1:25</b>	

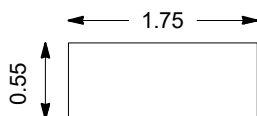


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB4</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>122.92</b>	National Grid Co-ordinate: <b>E:445638.5 N:238533.4</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown slightly fine to coarse gravelly fine to medium sandy SILT. Gravel of angular to subangular ironstone. (TOPSOIL)	0.20	
						Firm friable orangish brown fine to coarse gravelly fine to medium sandy CLAY with low cobble content. Gravel and cobble of subangular ironstone and limestone. (MARLSTONE ROCK BED)	(0.50)	
						Trial pit terminated at 0.70m depth for soakaway test.	0.70	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:	
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--

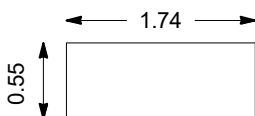


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB5</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>123.56</b>	National Grid Co-ordinate: <b>E:445614.0 N:238458.9</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown slightly fine to coarse gravelly fine to medium sandy SILT. Gravel of subangular ironstone and limestone with rare chert. Contains rootlets. (TOPSOIL)	0.15	
						Firm friable brown mottled and yellowish brown fine to coarse gravelly fine to medium sandy CLAY. Gravel of angular to subangular limestone and occasional ironstone. Cobbles of angular to subangular tabular limestone. (MARLSTONE ROCK BED)	(0.65)	
						Trial pit terminated at 0.80m depth for soakaway test.	0.80	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:	
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--



# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB7</b>
Contract Ref: <b>252380</b>	Start: <b>21.05.20</b> End: <b>21.05.20</b>	Ground Level (m AOD): <b>123.70</b>	National Grid Co-ordinate: <b>E:445860.7 N:238389.9</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown slightly fine gravelly fine to medium sandy silty CLAY. Gravel of angular to subangular limestone, ironstone and rare chert. (Stockpile of shallow site strip).	(1.20)	
						Brown slightly fine to coarse gravelly fine to medium sandy clayey SILT. Gravel of subangular limestone. (TOPSOIL)	(0.30)	
						Firm friable fine to coarse gravelly very fine to medium sandy CLAY. Gravel of subangular to subrounded limestone. (MARLSTONE ROCK BED)	1.70	
						Trial pit terminated at 1.70m depth for soakaway test.		

<b>Plan (Not to Scale)</b> 		<b>General Remarks</b> 1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.	
Method Used: <b>Inspection pit + Machine dug</b>		Plant Used: <b>JCB-3CX</b>	
Logged By: <b>BSowden</b>		Checked By: <b>AGS</b>	



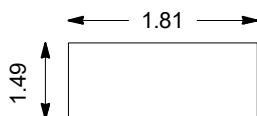


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB8</b>
Contract Ref: <b>252380</b>	Start: <b>21.05.20</b> End: <b>21.05.20</b>	Ground Level (m AOD): <b>122.50</b>	National Grid Co-ordinate: <b>E:445852.7 N:238358.1</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown dessicated fine to coarse gravelly fine to medium sandy SILT. Gravel of subangular to subrounded limestone with rare chert and plastic. (TOPSOIL)	0.25	
						Firm friable yellowish brown fine to coarse gravelly fine to coarse sandy CLAY. Gravel of angular to subangular limestone. (MARLSTONE ROCK BED)	(0.45)	
						Yellowish brown fine to coarse gravelly fine to coarse sandy COBBLES. Gravel of angular to subangular tabular limestone with abundant fossils. (MARLSTONE ROCK BED)	0.70	
							(0.30)	
						Trial pit terminated at 1.00m depth for soakaway test.	1.00	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:	
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB9</b>
Contract Ref: <b>252380</b>	Start: <b>19.05.20</b> End: <b>19.05.20</b>	Ground Level (m AOD): <b>122.88</b>	National Grid Co-ordinate: <b>E:445599.4 N:238410.2</b>	Sheet: <b>1 of 1</b>

GINT LIBRARY\_V10\_01.GLB LibVersion: v8.07\_001 PriVersion: v8.07 | Log TRIAL PIT LOG - A4P | 252380-BODICOTE-SOAKAWAYS.GPJ - v10\_01:  
RISK Environment Ltd, Abbey Park, Humber Road, Coventry, CV3 4AQ. Tel: 02476 505600. Fax: 02476 501417. Web: www.risk.co.uk | 29/06/20 - 17/04 | JS12 |



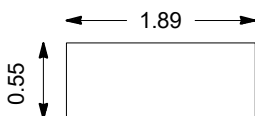


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB10</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>121.83</b>	National Grid Co-ordinate: <b>E:445688.0 N:238522.2</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown slightly fine to coarse gravelly fine to medium sandy SILT. Gravel of angular to subangular ironstone with rare glass. (TOPSOIL)	0.20	
						Firm friable brown to reddish brown fine to coarse gravelly fine to medium sandy CLAY. Gravel of angular to subrounded ironstone and occasional limestone. (MARLSTONE ROCK BED)	(0.40)	
							0.60	
						Trial pit terminated at 0.60m depth for soakway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	
--	----------------------------	---------------------------	-------------	--

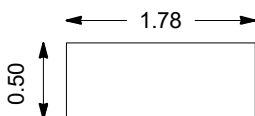


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IB11</b>
Contract Ref: <b>252380</b>	Start: <b>20.05.20</b> End: <b>20.05.20</b>	Ground Level (m AOD): <b>122.19</b>	National Grid Co-ordinate: <b>E:445602.4 N:238377.4</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly fine to medium sandy SILT. Gravel of angular to subangular limestone with occasional ironstone and rare ceramic. Contains abundant rootlets. (TOPSOIL)	(0.40)	
						Firm friable slightly orangish brown fine to coarse gravelly fine to coarse sandy to very sandy CLAY with low cobble content. Gravel and cobbles of angular to subangular limestone with rare ironstone. (MARLSTONE ROCK BED)	0.40	
						Trial pit terminated at 0.65m depth for soakway test.	0.65	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

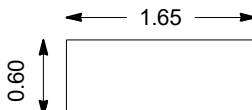
Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	
--	----------------------------	---------------------------	-------------	--



# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>			Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT1</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>125.97</b>	National Grid Co-ordinate: <b>E:445493.4 N:238548.5</b>		Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.60	1	D				Reddish brown fine to coarse slightly gravelly silty fine to coarse SAND. Gravel of subangular medium to coarse ironstone and sandstone. (TOPSOIL)	(0.30)	
						Firm friable fine to coarse gravelly fine to coarse sandy CLAY. Gravel of angular to subangular ironstone. (MARLSTONE ROCK BED)	(0.75)	
						Trial pit terminated at 1.05m depth for soakaway test.	1.05	

<div>Plan (Not to Scale)</div> <div></div>		<div>General Remarks</div> <div><div>1. No groundwater encountered.</div><div>2. Stone infill used for soakaway tests.</div><div>3. Trial pit backfilled with arisings upon completion.</div></div>			
		All dimensions in metres		Scale: 1:25	
		Method Used: Inspection pit + Machine dug	Plant Used: JCB-3CX	Logged By: BSowden	Checked By:

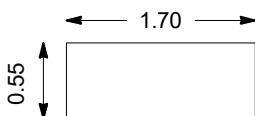


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT2</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>125.81</b>	National Grid Co-ordinate: <b>E:445487.0 N:238515.1</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly silty fine to coarse SAND. Gravel of angular to subangular ironstone. (TOPSOIL)	0.25	
						Dark orangish brown fine to coarse gravelly clayey fine to coarse SAND. Low cobble content. Gravel and cobbles of subangular to subrounded ironstone. (MARLSTONE ROCK BED)	(0.75)	
						Trial pit terminated at 1.00m depth for soakaway test.	1.00	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:	
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--



# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT3</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>125.57</b>	National Grid Co-ordinate: <b>E:445480.9 N:238484.3</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20	1	D				Dark brown fine to coarse gravelly fine to coarse sandy SILT. Gravel of subangular ironstone. (TOPSOIL)	(0.30)	
						Firm friable orangish and occasional yellowish brown fine to coarse gravelly fine to coarse sandy CLAY with low cobble content. Gravel and cobbles of angular to subangular ironstone. (MARLSTONE ROCK BED)	(0.45)	
						Trial pit terminated at 0.75m depth for soakaway test.	0.75	

Plan (Not to Scale)		General Remarks		
		1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.		
		All dimensions in metres		Scale: <b>1:25</b>
Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	

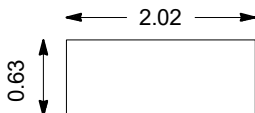


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT4</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>125.37</b>	National Grid Co-ordinate: <b>E:445472.1 N:238440.6</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Dark slightly reddish brown fine to coarse gravelly fine to coarse sandy SILT. Gravel of subangular ironstone. (TOPSOIL)	0.15	
						Reddish and slightly orangish brown fine to coarse gravelly clayey fine to coarse SAND with low cobble content. Gravel of subangular ironstone. (MARLSTONE ROCK BED)	(0.50)	
						Trial pit terminated at 0.65m depth for soakaway test.	0.65	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:	
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--





# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT5</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>125.00</b>	National Grid Co-ordinate: <b>E:445465.2 N:238406.1</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly fine to coarse sandy SILT with occasional roots. Gravel of angular to subangular ironstone. (TOPSOIL)	0.15	
						Firm friable slightly reddish brown fine to coarse gravelly fine to coarse sandy to silty CLAY. Gravel of angular to subangular ironstone. (MARLSTONE ROCK BED)	(0.45)	
						Trial pit terminated at 0.60m depth for soakaway test.	0.60	

<b>Plan (Not to Scale)</b> 		<b>General Remarks</b> 1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.		
Method Used: <b>Inspection pit + Machine dug</b>		Plant Used: <b>JCB-3CX</b>		Logged By: <b>BSowden</b>
All dimensions in metres		Scale: <b>1:25</b>		
Checked By:				

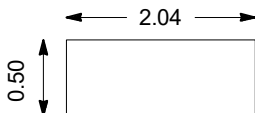


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT6</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>124.39</b>	National Grid Co-ordinate: <b>E:445457.2 N:238366.5</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	D				Reddish brown fine to coarse gravelly fine to coarse sandy SILT. Gravel of angular to subangular ironstone. (TOPSOIL)	0.20	
						Firm friable reddish brown fine to coarse sandy fine to coarse gravelly silty CLAY. Gravel of angular to subangular ironstone. (MARLSTONE ROCK BED)	(0.40)	
						Firm light brown fine to coarse gravelly fine to coarse sandy CLAY with low cobble content. Gravel of angular to subangular ironstone and fossiliferous limestone. (MARLSTONE ROCK BED)	0.60	
							(0.50)	
						Trial pit terminated at 1.1m depth for soakaway test.	1.10	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	
--	----------------------------	---------------------------	-------------	--

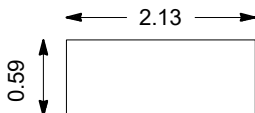


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT7</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>123.80</b>	National Grid Co-ordinate: <b>E:445450.1 N:238332.6</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Slightly reddish brown fine gravelly fine to medium sandy SILT. Gravel of angular to subangular ironstone. (TOPSOIL)	0.20	
						Firm friable reddish brown fine to coarse gravelly fine to medium sandy CLAY. Gravel of angular to subangular ironstone. (MARLSTONE ROCK BED)	(0.30) 0.50	
						Firm friable light brown fine to coarse gravelly fine to medium sandy CLAY with moderate cobble content. Gravel and cobbles of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	(0.90)	
						... Below 1.20m high cobble content.	1.40	
						Trial pit terminated at 1.40m depth for soakaway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**Method Used: **Inspection pit + Machine dug**Plant Used: **JCB-3CX**Logged By: **BSowden**

Checked By:



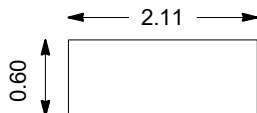


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT8</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>122.86</b>	National Grid Co-ordinate: <b>E:445441.9 N:238287.3</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Reddish brown slightly fine to coarse gravelly fine to medium sandy SILT. Gravel of angular to subangular ironstone. Contains rare roots. (TOPSOIL)	(0.40) 0.40	
						Soft to firm friable light brown mottled brown fine to coarse gravelly fine to medium sandy CLAY. Contains low to moderate cobble content. Gravel of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	(0.90) 0.90 1.30	
						Trial pit terminated at 1.30m depth for soakaway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	
--	----------------------------	---------------------------	-------------	--

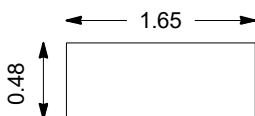


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>IT9</b>
Contract Ref: <b>252380</b>	Start: <b>22.05.20</b> End: <b>22.05.20</b>	Ground Level (m AOD): <b>121.39</b>	National Grid Co-ordinate: <b>E:445862.1 N:238296.1</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Reddish brown slightly fine to coarse gravelly fine to medium clayey SILT. Gravel of subangular limestone. (TOPSOIL)	(0.75)	
						Firm to stiff friable fine to coarse gravelly very fine to coarse sandy CLAY. Gravel of subangular ironstone. (MARLSTONE ROCK BED)	0.75 0.80 0.90	
						Yellowish brown fine to coarse gravelly fine to coarse sandy COBBLES. Gravels and cobbles of yellow brown limestone and ironstone. (MARLSTONE ROCK BED)		
						Trial pit terminated at 0.90m depth for soakaway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:		
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--	--

## TRIAL PIT LOG

Contract:		Client:		Trial Pit:	
<b>White Post Road, Bodicote</b>		<b>Barratt Homes Mercia &amp; David Wilson Home</b>		<b>POR1</b>	
Contract Ref:	Start: <b>22.06.20</b>	Ground Level (m AOD):	National Grid Co-ordinate:	Sheet:	
<b>252380</b>	End: <b>22.06.20</b>	<b>122.14</b>	<b>E:445481.2 N:238235.4</b>	<b>1</b>	<b>of 1</b>

[illegible]

Plan (Not to Scale)		General Remarks	
<p>A diagram showing a rectangular trial pit. The width is labeled as 1.80 and the depth is labeled as 0.70.</p>		<ol style="list-style-type: none"> <li>1. No groundwater encountered.</li> <li>2. Stone infill used for soakaway tests.</li> <li>3. Trial pit backfilled with arisings upon completion.</li> </ol>	
		All dimensions in metres	Scale: <b>1:25</b>
Method Used:	<b>Machine dug</b>	Plant Used:	<b>JCB-3CX</b>
		Logged By:	<b>BSowden</b>
		Checked By:	<b>AGS</b>

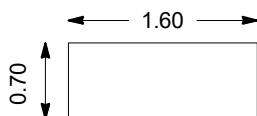


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>POR2</b>
Contract Ref: <b>252380</b>	Start: <b>22.06.20</b> End: <b>22.06.20</b>	Ground Level (m AOD): <b>121.75</b>	National Grid Co-ordinate: <b>E:445456.0 N:238238.5</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Firm brown fine to coarse gravelly fine to medium sandy CLAY. Gravel is angular to subangular ironstone and limestone. (TOPSOIL)	0.15	
						Brown fine to coarse sandy fine to coarse gravelly fine to coarse COBBLES. Gravel and cobbles are angular to subangular tabular yellowish brown limestone and occasional ironstone. (MARLSTONE ROCK BED)	(0.40)	
						Trial pit terminated at 0.55m depth for soakway test.	0.55	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:

**Machine dug**

Plant Used:

**JCB-3CX**

Logged By:

**BSowden**

Checked By:



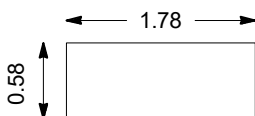


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>POR3</b>
Contract Ref: <b>252380</b>	Start: <b>22.05.20</b> End: <b>22.05.20</b>	Ground Level (m AOD): <b>121.02</b>	National Grid Co-ordinate: <b>E:446017.5 N:238290.3</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly fine to medium sandy SILT with occasional rootlets. Gravel of angular to subrounded limestone with occasional chert, concrete, brick and wood. (MADE GROUND)	0.10	
						Yellowish brown fine to coarse gravelly fine to coarse sandy COBBLES. Gravel and cobbles of angular to subangular limestone and ironstone. Limestone is medium strong yellowish and greyish brown with abundant fossils. (MARLSTONE ROCK BED)	(0.65)	
						Trial pit terminated at 0.75m depth.	0.75	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	
--	----------------------------	---------------------------	-------------	--



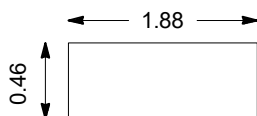


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>POR4</b>
Contract Ref: <b>252380</b>	Start: <b>22.05.20</b> End: <b>22.05.20</b>	Ground Level (m AOD): <b>120.86</b>	National Grid Co-ordinate: <b>E:445974.1 N:238299.3</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown and yellowish brown dessicated fine to coarse slightly gravelly fine to medium sandy SILT with occasional roots. Gravel of fine to coarse angular to subangular limestone and ironstone. (TOPSOIL)	(0.35)	
						Slightly yellowish brown fine to coarse gravelly clayey fine to coarse SAND with low cobble content. Gravel and cobbles of subangular limestone and occasional ironstone. (MARLSTONE ROCK BED)	0.35	
						Trial pit terminated at 0.60m depth for soakaway test.	0.60	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	
--	----------------------------	---------------------------	-------------	--

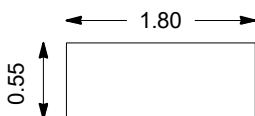


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA1</b>
Contract Ref: <b>252380</b>	Start: <b>18.05.20</b> End: <b>18.05.20</b>	Ground Level (m AOD): <b>125.47</b>	National Grid Co-ordinate: <b>E:445525.8 N:238531.0</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly fine to medium sandy SILT. Contains rootlets. Gravel of angular to subrounded ironstone and limestone. (TOPSOIL)	0.20	
						Firm friable reddish brown fine to coarse gravelly fine to coarse sandy to very sandy CLAY. Gravel of angular to subangular ironstone. (MARLSTONE ROCK BED)	(0.60)	
						Trial pit terminated at 0.80m depth for soakaway test.	0.80	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:		
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--	--

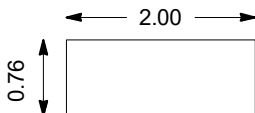


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA2</b>
Contract Ref: <b>252380</b>	Start: <b>19.05.20</b> End: <b>19.05.20</b>	Ground Level (m AOD): <b>124.51</b>	National Grid Co-ordinate: <b>E:445575.1 N:238480.8</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown dessicated fine to coarse gravelly fine to medium sandy SILT. Gravel of fine to coarse angular to subrounded ironstone and limestone. (TOPSOIL)	(0.30) 0.30	
						Firm friable fine to coarse gravelly fine to medium sandy CLAY. Gravel of fine to coarse angular to subrounded limestone and occasional limestone. (MARLSTONE ROCK BED)	(0.40) 0.70	
						Yellowish brown slightly fine to coarse gravelly fine to coarse sandy COBBLES. Gravel and cobbles are tabular yellowish brown coarse grained LIMESTONE containing abundant shell fossils. (MARLSTONE ROCK BED)	(0.50) 1.20	
						Trial pit terminated at 1.20m depth for soakway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:

**Inspection pit +  
Machine dug**

Plant Used:

**JCB-3CX**

Logged By:

**BSowden**

Checked By:





# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA3</b>
Contract Ref: <b>252380</b>	Start: <b>19.05.20</b> End: <b>19.05.20</b>	Ground Level (m AOD): <b>125.29</b>	National Grid Co-ordinate: <b>E:445514.7 N:238461.8</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly fine to medium sandy to very sandy SILT. Gravel of angular to subangular ironstone and rare ceramic. (TOPSOIL)	(0.30)	
						Firm friable light brown fine to coarse gravelly fine to medium sandy silty CLAY. Gravel of angular to subangular ironstone. (MARLSTONE ROCK BED)	(0.70)	
						Trial pit terminated at 1.00m depth for soakway test.	1.00	

<b>Plan (Not to Scale)</b> 		<b>General Remarks</b> 1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.	
Method Used: <b>Inspection pit + Machine dug</b>		Plant Used: <b>JCB-3CX</b>	
Logged By: <b>BSowden</b>		Checked By: <b>AGS</b>	



# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA4</b>
Contract Ref: <b>252380</b>	Start: <b>19.05.20</b> End: <b>19.05.20</b>	Ground Level (m AOD): <b>125.08</b>	National Grid Co-ordinate: <b>E:445509.7 N:238456.1</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.70	1	D				Brown fine to coarse gravelly fine to medium sandy SILT. Gravel of angular to subrounded ironstone and rare ceramic. (TOPSOIL)	(0.30)	
						Firm friable orangish brown fine to coarse gravelly fine to coarse sandy CLAY with low to moderate cobble content. Gravel and cobbles of angular to subangular ironstone and limestone. (MARLSTONE ROCK BED)	0.30	
							(0.70)	
						Trial pit terminated at 1.00m depth.	1.00	

<b>Plan (Not to Scale)</b> 		<b>General Remarks</b> 1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.	
Method Used: <b>Inspection pit + Machine dug</b>		Plant Used: <b>JCB-3CX</b>	
Logged By: <b>BSowden</b>		Checked By: <b>AGS</b>	

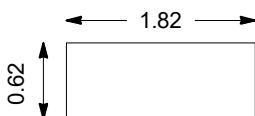


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA5</b>
Contract Ref: <b>252380</b>	Start: <b>19.05.20</b> End: <b>19.05.20</b>	Ground Level (m AOD): <b>124.58</b>	National Grid Co-ordinate: <b>E:445506.4 N:238417.0</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly fine to medium sandy SILT. Gravel of angular to subrounded ironstone and rare chert and brick. (TOPSOIL)	0.20	
						Fine friable yellowish brown fine to coarse gravelly fine to coarse sandy CLAY with low cobble content. Gravel and cobbles of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	(0.60)	
						Light brown fine to coarse gravelly fine to coarse sandy COBBLES. Gravel and cobbles of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	0.80 (0.35)	
						Trial pit terminated at 1.15m depth for soakaway test.	1.15	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**Method Used: **Inspection pit + Machine dug**Plant Used: **JCB-3CX**Logged By: **BSowden**

Checked By:



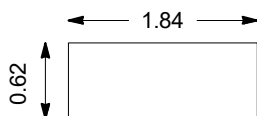


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA6</b>
Contract Ref: <b>252380</b>	Start: <b>19.05.20</b> End: <b>19.05.20</b>	Ground Level (m AOD): <b>125.02</b>	National Grid Co-ordinate: <b>E:445501.3 N:238435.1</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly fine to coarse sandy SILT. Gravel of angular to subrounded ironstone with occasional chert and rare glass, bone and ceramic. (MADE GROUND)	0.20	
						Firm friable brown mottled light brown fine to coarse gravelly fine to coarse sandy CLAY with low cobble content. Gravel and cobbles of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	(1.05)	
						. . . Below 0.80m moderate cobble content of tabular limestone cobbles.	1.25	
						Trial pit terminated at 1.25m depth for soakaway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:	
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--

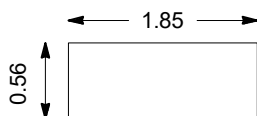


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA11</b>
Contract Ref: <b>252380</b>	Start: <b>19.05.20</b> End: <b>19.05.20</b>	Ground Level (m AOD): <b>123.82</b>	National Grid Co-ordinate: <b>E:445559.3 N:238412.2</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Dessicated brown fine to coarse gravelly fine to medium sandy SILT with abundant rootlets. Gravel of angular to subrounded ironstone, limestone and rare chert. (TOPSOIL)	0.15	x o x x x x
						Firm friable brown mottled light brown fine to coarse gravelly fine to medium sandy CLAY with low cobble content. Gravel of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	(0.65)	o o o o o o
						Trial pit terminated at 0.80m depth for soakaway test.	0.80	o o o o o o

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	
--	----------------------------	---------------------------	-------------	--



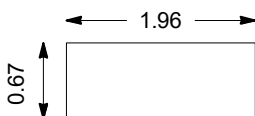


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA12</b>
Contract Ref: <b>252380</b>	Start: <b>22.05.20</b> End: <b>22.05.20</b>	Ground Level (m AOD): <b>121.76</b>	National Grid Co-ordinate: <b>E:445837.4 N:238299.8</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown dessicated slightly fine to coarse gravelly fine to medium sandy SILT. Gravel of subangular to subrounded limestone and rare brick and rare ceramic. (TOPSOIL)	0.20	
						Brown fine to coarse gravelly clayey fine to coarse SAND with low cobble content. Gravel and cobbles of angular to subangular limestone and occasional ironstone. (MARLSTONE ROCK BED)	(0.40) 0.60	
						Yellowish brown fine to coarse gravelly fine to coarse sandy COBBLES. Gravel and cobbles of angular to subangular yellowish brown medium dark limestone with orangish brown weathering and occasional ironstone. (MARLSTONE ROCK BED)	(0.80) 1.40	
						Yellowish brown medium strong fossiliferous LIMESTONE. (MARLSTONE ROCK BED)	1.55	
						Trial pit terminated at 1.55m depth for soakaway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:	
--	----------------------------	---------------------------	-------------	--

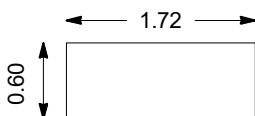


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>			Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA13</b>
Contract Ref: <b>252380</b>	Start: <b>21.05.20</b> End: <b>21.05.20</b>	Ground Level (m AOD): <b>121.87</b>	National Grid Co-ordinate: <b>E:445792.3 N:238296.5</b>		Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown slightly fine to coarse gravelly fine to medium sandy slightly clayey SILT. Gravel of angular to subrounded limestone and rare chert. (TOPSOIL)	(0.60)	
						Firm friable brown fine to coarse gravelly fine to medium sandy CLAY with low cobble content. Gravel and cobbles of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	0.60 (0.60)	
						Slightly orangish brown fine to coarse gravelly fine to coarse sandy COBBLES. Gravel and cobbles of angular to subangular limestone and occasional ironstone. (MARLSTONE ROCK BED)	1.20 (0.40)	
						Trial pit terminated at 1.60m depth for soakaway test.	1.60	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:

**Inspection pit +  
Machine dug**

Plant Used:

**JCB-3CX**

Logged By:

**BSowden**

Checked By:



Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA14</b>
Contract Ref: <b>252380</b>	Start: <b>21.05.20</b> End: <b>21.05.20</b>	Ground Level (m AOD): <b>122.96</b>	National Grid Co-ordinate: <b>E:445814.8 N:238409.8</b>	Sheet: <b>1 of 1</b>

GINT LIBRARY\_V10\_01.GLB LibVersion: v8.07\_001 PriVersion: v8.07 | Log TRIAL PIT LOG - A4P | 252380-BODICOTE-SOAKAWAYS.GPJ - v10\_01:  
RISK Environment Ltd, Abbey Park, Humber Road, Coventry, CV3 4AQ. Tel: 02476 505600. Fax: 02476 501417. Web: www.risk.co.uk | 29/06/20 - 17:05 | JS12 |

Plan (Not to Scale)		General Remarks	
<p>A diagram showing a rectangular pit. The width is labeled as 0.48 and the length is labeled as 1.68.</p>		<ol style="list-style-type: none"> <li>1. No groundwater encountered.</li> <li>2. Stone infill used for soakaway tests.</li> <li>3. Trial pit backfilled with arisings upon completion.</li> </ol>	
		All dimensions in metres	Scale: <b>1:25</b>
Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	JCB-3CX
		Logged By:	B Sowden
		Checked By:	

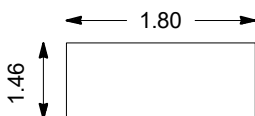


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>			Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SA15</b>
Contract Ref: <b>252380</b>	Start: <b>21.05.20</b> End: <b>21.05.20</b>	Ground Level (m AOD): <b>122.88</b>	National Grid Co-ordinate: <b>E:445795.4 N:238416.9</b>		Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse slightly gravelly fine to medium sandy clayey SILT. Gravel of subangular to subrounded iron rich sandstone. (TOPSOIL)	0.20	
						Stiff fissured slightly reddish brown fine to coarse gravelly fine to medium sandy CLAY with low cobble content. Gravel and cobbles of angular to subangular ironstone and limestone. (MARLSTONE ROCK BED)	(0.50)	
						Yellowish brown fine to coarse gravelly fine to coarse sandy COBBLES. Gravel and cobbles of angular to subangular limestone and ironstone. (MARLSTONE ROCK BED)	0.70	
							(0.50)	
							1.20	
						Trial pit terminated at 1.20m depth for soakway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:	
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--

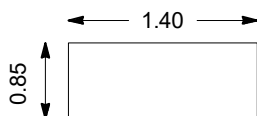


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SUD1</b>
Contract Ref: <b>252380</b>	Start: <b>22.06.20</b> End: <b>22.06.20</b>	Ground Level (m AOD): <b>122.41</b>	National Grid Co-ordinate: <b>E:445472.1 N:238256.6</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse sandy fine to coarse gravelly clay of fine to coarse COBBLES. Gravel and cobbles are angular to subangular tabular yellowish brown medium strong fossiliferous LIMESTONE. (MARLSTONE ROCK BED)	(0.90)	
						Trial pit terminated at 0.90m depth for soakway test.	0.90	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**Method  
Used:**Machine dug**Plant  
Used:**JCB-3CX**Logged  
By:**BSowden**Checked  
By:



# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SUD2</b>
Contract Ref: <b>252380</b>	Start: <b>20.05.20</b> End: <b>20.05.20</b>	Ground Level (m AOD): <b>121.67</b>	National Grid Co-ordinate: <b>E:445555.6 N:238256.5</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to coarse gravelly fine to medium sandy SILT. Gravel of fine to coarse subangular to subrounded ironstone and limestone. Contains rootlets. (TOPSOIL)	(0.30)	
						Firm friable brown reddish orangish brown fine to coarse gravelly fine to coarse sandy to very sandy CLAY. Gravel of angular to subangular ironstone and limestone. (MARLSTONE ROCK BED)	(0.35)	
						Trial pit terminated at 0.65m depth for soakaway test.	0.65	

<b>Plan (Not to Scale)</b> 		<b>General Remarks</b> 1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.	
Method Used: <b>Inspection pit + Machine dug</b>		Plant Used: <b>JCB-3CX</b>	
Logged By: <b>BSowden</b>		Checked By: <b>AGS</b>	



# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>			Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SUD3</b>
Contract Ref: <b>252380</b>	Start: <b>20.05.20</b> End: <b>20.05.20</b>	Ground Level (m AOD): <b>119.67</b>	National Grid Co-ordinate: <b>E:445617.2 N:238241.6</b>		Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.80	1	D				Brown slightly fine to coarse gravelly fine to medium sandy SILT. Gravel of subrounded oolitic grey limestone. Contains abundant rootlets. (TOPSOIL)	(0.60)	
						Firm to stiff greyish brown mottled grey slightly fine to medium gravelly silty CLAY. Gravel of angular to subangular extremely weak mudstone. (DYRHAM FORMATION)	0.60	
						Trial pit terminated at 1.20m depth for soakaway test.	1.20	

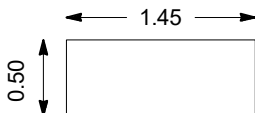
Plan (Not to Scale) 			General Remarks 1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.		
All dimensions in metres			Scale: <b>1:25</b>		
Method Used: <b>Inspection pit + Machine dug</b>	Plant Used: <b>JCB-3CX</b>	Logged By: <b>BSowden</b>	Checked By:		



# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SUD4</b>
Contract Ref: <b>252380</b>	Start: <b>22.06.20</b> End: <b>22.06.20</b>	Ground Level (m AOD): <b>116.50</b>	National Grid Co-ordinate: <b>E:445666.0 N:238219.0</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Brown fine to medium sandy fine to coarse gravelly SILT with abundant rootlets. Gravel is subangular to subrounded limestone and ironstone. (TOPSOIL)	0.25	
						Brown silty gravelly clayey medium to coarse SAND. Gravel is fine to coarse limestone. (MARLSTONE ROCK BED)	(0.85)	
							1.10	
						Trial pit terminated at 1.10m depth for soakaway test.		

<b>Plan (Not to Scale)</b>  		<b>General Remarks</b>  1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.	
Method Used: <b>Machine dug</b>		Plant Used: <b>JCB-3CX</b>	
Logged By: <b>BSowden</b>		Checked By: <b>AGS</b>	
All dimensions in metres		Scale: <b>1:25</b>	





# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SUD4b</b>
Contract Ref: <b>252380</b>	Start: <b>20.05.20</b> End: <b>20.05.20</b>	Ground Level (m AOD): <b>118.33</b>	National Grid Co-ordinate: <b>E:445677.4 N:238321.6</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.50	1	D				Brown fine to medium sandy to very sandy SILT with occasional fine to coarse mudstone gravel. Contains rootlets.	(0.40)	
						Firm brownish grey fine to coarse very sandy CLAY. (DYRHAM FORMATION)	0.40	
						Firm greenish grey fine sandy silty CLAY. (DYRHAM FORMATION)	(0.80)	
							1.20	
							(1.40)	
							2.60	
Trial pit terminated at 2.60m depth for soakway testing.								

<b>Plan (Not to Scale)</b> 		<b>General Remarks</b> 1. No groundwater encountered. 2. Stone infill used for soakaway tests. 3. Trial pit backfilled with arisings upon completion.	
Method Used: <b>Inspection pit + Machine dug</b>		Plant Used: <b>JCB-3CX</b>	
Logged By: <b>BSowden</b>		Checked By: <b>AGS</b>	
All dimensions in metres		Scale: <b>1:25</b>	

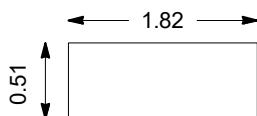


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>			Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SUD5</b>
Contract Ref: <b>252380</b>	Start: <b>20.05.20</b> End: <b>20.05.20</b>	Ground Level (m AOD): <b>116.66</b>	National Grid Co-ordinate: <b>E:445708.1 N:238183.9</b>		Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
1.20	1	D				Brown fissured slightly fine to coarse gravelly slightly fine to medium sandy clayey SILT. Gravel of subangular to subrounded chest and rare brick. (TOPSOIL)	(0.40)	
						Firm to stiff brown mottled and light yellowish and greyish brown fine to medium sandy CLAY. (DYRHAM FORMATION)	(0.30)	
						Light grey and light orangish brown silty fine to medium SAND with occasional to extremely weak sandstone gravel. (DYRHAM FORMATION)	0.70	
						... Below 1.40m gravelly.	(1.60)	
						Trial pit terminated at 2.30m depth for soakaway test.	2.30	

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**Method Used: **Inspection pit + Machine dug**Plant Used: **JCB-3CX**Logged By: **BSowden**

Checked By:



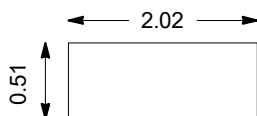


# TRIAL PIT LOG

Contract: <b>White Post Road, Bodicote</b>		Client: <b>Barratt Homes Mercia &amp; David Wilson Home</b>		Trial Pit: <b>SUD6</b>
Contract Ref: <b>252380</b>	Start: <b>20.05.20</b> End: <b>20.05.20</b>	Ground Level (m AOD): <b>115.25</b>	National Grid Co-ordinate: <b>E:445676.2 N:238124.0</b>	Sheet: <b>1 of 1</b>

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						Dark brown slightly fine to coarse gravelly fine to medium sandy SILT with abundant rootlets. Gravel of angular to subrounded mudstone, ironstone and rare ceramic. (TOPSOIL)	(0.30) 0.30	
						Firm friable slightly reddish brown slightly fine to coarse gravelly fine to medium sandy to very sandy CLAY. Gravel of subangular to subrounded ironstone and yellowish brown sandstone. (DYRHAM FORMATION)	(1.80) 2.10	
						Trial pit terminated at 2.10m depth for soakaway test.		

Plan (Not to Scale)



## General Remarks

1. No groundwater encountered.
2. Stone infill used for soakaway tests.
3. Trial pit backfilled with arisings upon completion.

All dimensions in metres

Scale: **1:25**

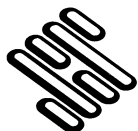
Method Used:	<b>Inspection pit + Machine dug</b>	Plant Used:	<b>JCB-3CX</b>	Logged By:	<b>BSowden</b>	Checked By:		
--------------	-------------------------------------	-------------	----------------	------------	----------------	-------------	--	--



## **APPENDIX D**

# **IN-SITU TEST CERTIFICATES**

---



# STRUCTURAL SOILS LTD

## INSITU TESTING REPORT



1774

Report No. 749466R.01(01)

Date 29-June-2020 Contract Wykham Lane, Banbury

Client RSK Environment Ltd  
Address Spring Lodge  
172 Chester Road  
Helsby  
Cheshire  
WA6 0AR

For the Attention of Mark Steward

Order received	15-May-2020	Client Reference	None
Testing Started	19-May-2020	Client Order No.	252380
Testing Completed	23-June-2020	Instruction Type	Written

Tests marked 'Not UKAS Accredited' in this report are not included in the UKAS Accreditation Schedule for our Laboratory.

UKAS Accredited Tests

Not UKAS Accredited Tests

39no. Soakaway tests carried out at locations specified by the client.

The results represent the ground conditions at the specified locations and depths at the time of testing.

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of.

Test were undertaken on samples 'as received' unless otherwise stated.

Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

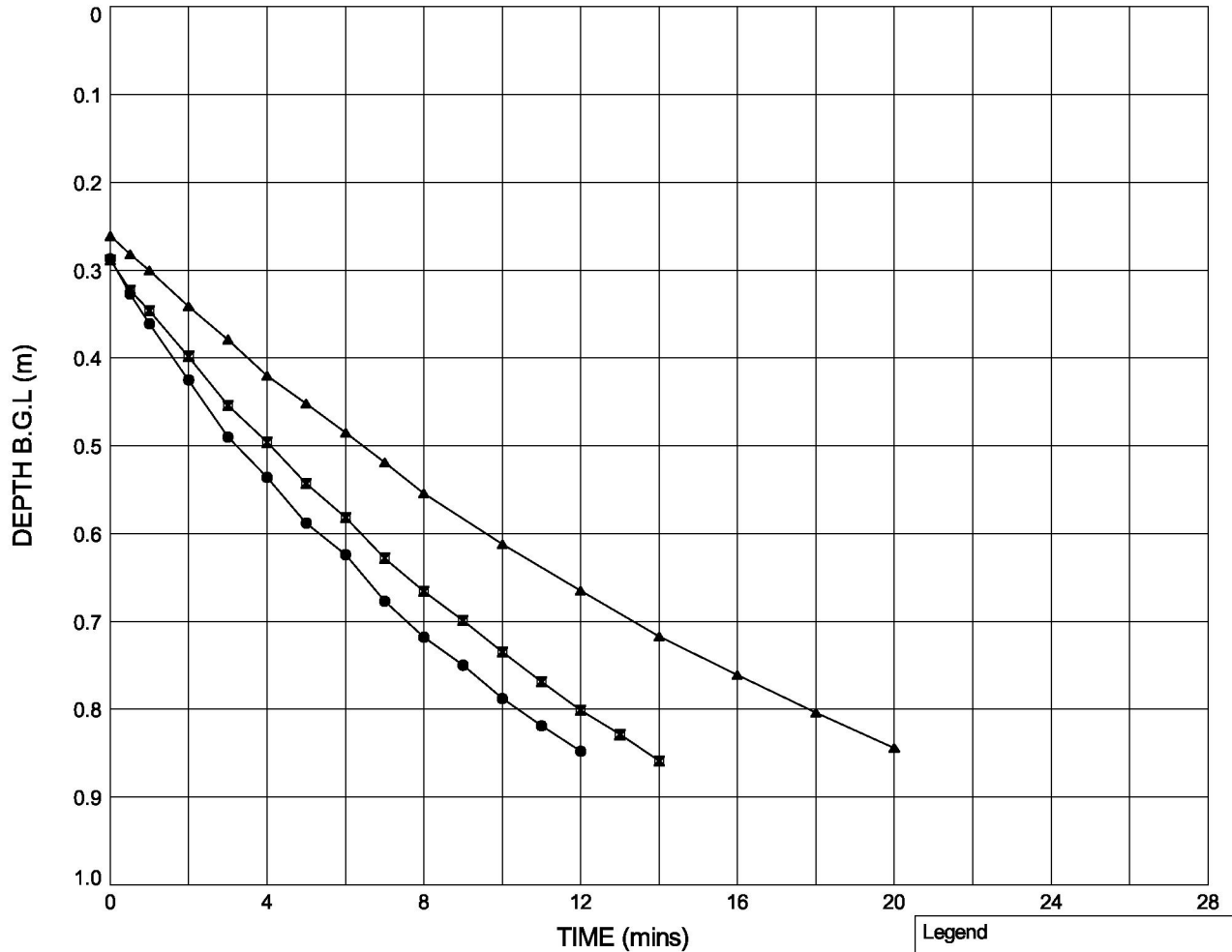
Structural Soils Ltd 1a Princess Street Bedminster Bristol BS3 4AG Tel.0117 9471000. e-mail dimitris.xirouchakis@soils.co.uk

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

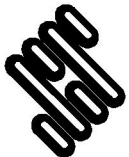
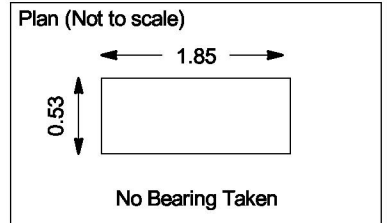
Soakaway Test - Position ID : IB1

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.00	1.00	1.01	m
Pit final depth:	= 1.00	1.01	1.01	m
Effective depth, $D_e$	= 0.71	0.72	0.74	m
Effective storage volume, $V_{p75-25}$	= 0.3495	0.3515	0.3628	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.6774	2.6870	2.7417	m <sup>2</sup>
Time, $t_{p75-25}$	= 509	574	827	secs
Infiltration rate, $f$	= $2.56 \times 10^{-4}$	$2.28 \times 10^{-4}$	$1.60 \times 10^{-4}$	m/s

Legend		
●	Test 1	(22.05.20)
■	Test 2	(22.05.20)
▲	Test 3	(22.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

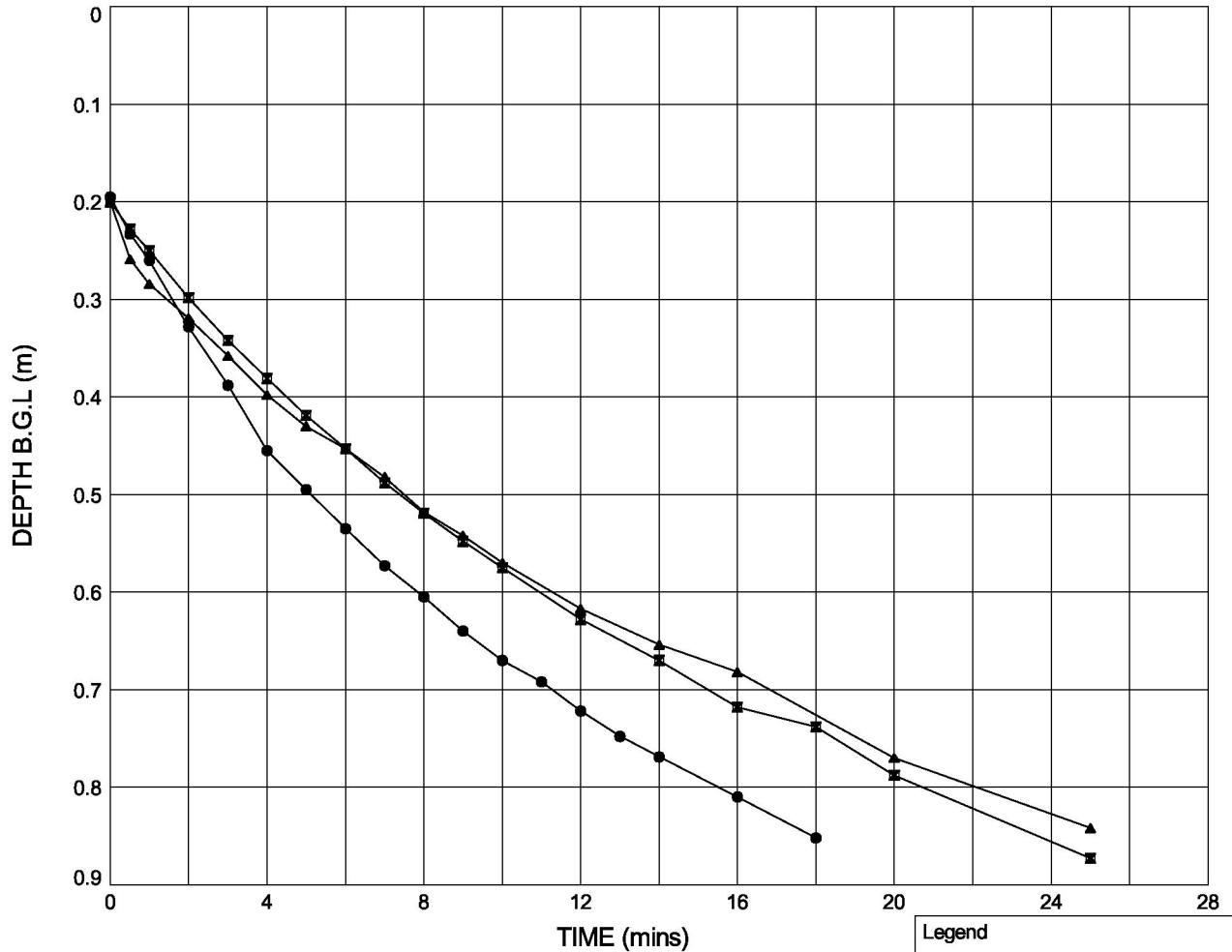
Compiled By	Date	Checked By	Date
[Redacted]	03/06/20	[Redacted]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

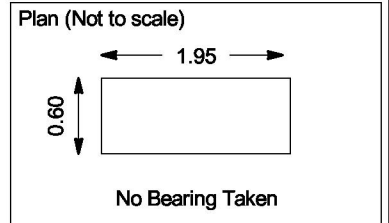
Soakaway Test - Position ID : IB2

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.89	0.89	0.89	m
Pit final depth:	= 0.89	0.89	0.89	m
Effective depth, $D_e$	= 0.69	0.69	0.69	m
Effective storage volume, $V_{p75-25}$	= 0.4037	0.4025	0.4025	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.9295	2.9244	2.9244	m <sup>2</sup>
Time, $t_{p75-25}$	= 542	729	852	secs
Infiltration rate, $f$	= $2.54 \times 10^{-4}$	$1.89 \times 10^{-4}$	$1.62 \times 10^{-4}$	m/s

Legend		
●	Test 1	(26.05.20)
■	Test 2	(26.05.20)
▲	Test 3	(26.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

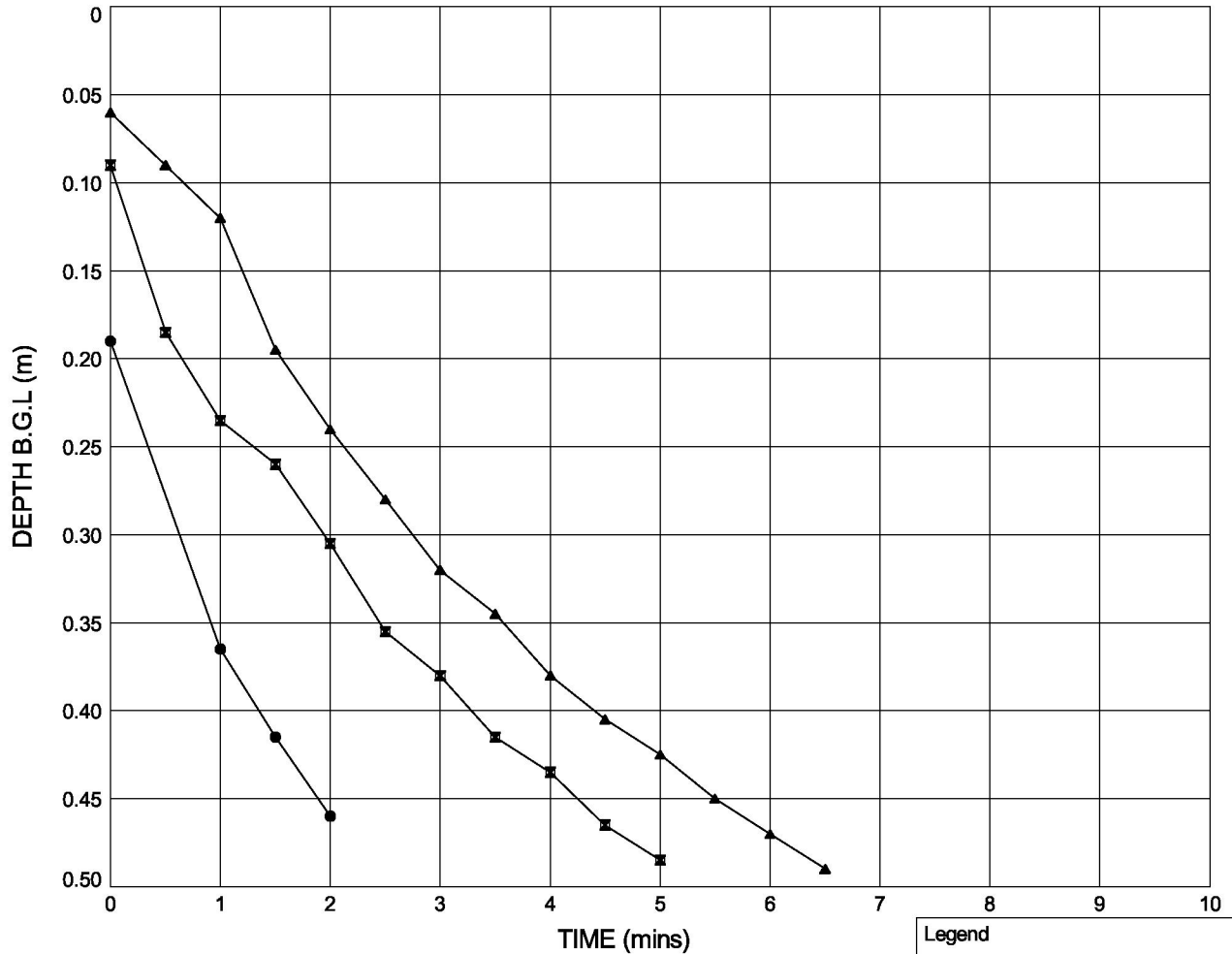
Compiled By	Date	Checked By	Date
[Redacted]	05/06/20	[Redacted]	09/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

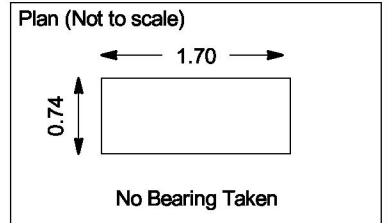
Soakaway Test - Position ID : IB3

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.53	0.53	0.53	m
Pit final depth:	= 0.53	0.53	0.53	m
Effective depth, $D_e$	= 0.34	0.44	0.47	m
Effective storage volume, $V_{p75-25}$	= 0.2139	0.2768	0.2956	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.0876	2.3316	2.4048	m <sup>2</sup>
Time, $t_{p75-25}$	= 81	178	198	secs
Infiltration rate, $f$	= $1.26 \times 10^{-3}$	$6.67 \times 10^{-4}$	$6.21 \times 10^{-4}$	m/s

Legend		
●	Test 1	(22.05.20)
■	Test 2	(22.05.20)
▲	Test 3	(22.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By	Date	Checked By	Date
[Redacted]	03/06/20	[Redacted]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

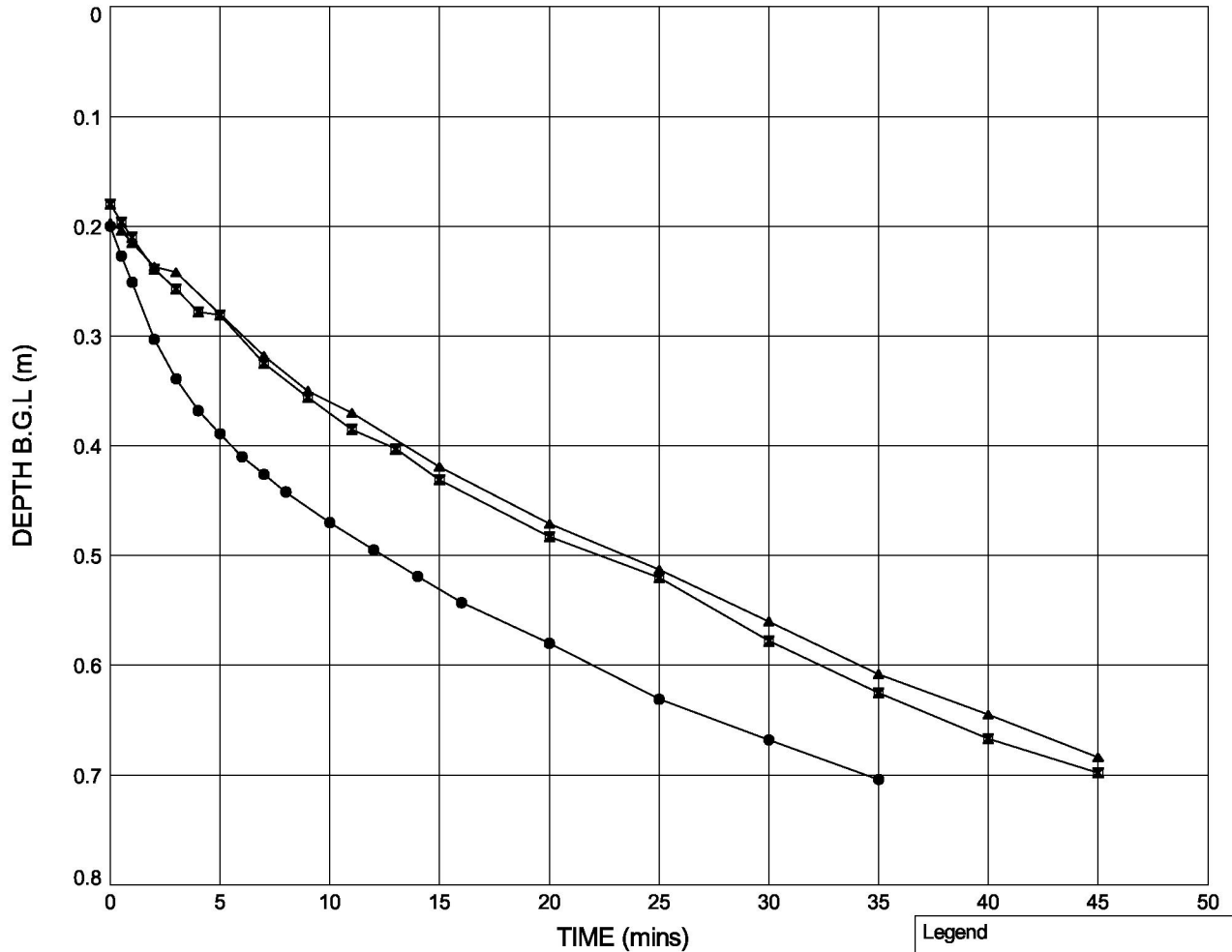


# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

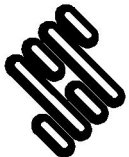
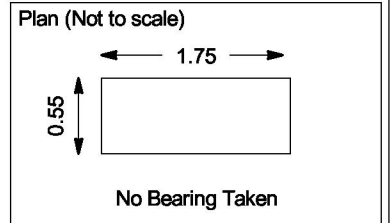
Soakaway Test - Position ID : IB4

## Plot of Depth of Water Below Ground Level Against Time



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.75	0.75	0.75	m
Pit final depth:	= 0.75	0.75	0.75	m
Effective depth, $D_e$	= 0.55	0.57	0.56	m
Effective storage volume, $V_{p75-25}$	= 0.2647	0.2743	0.2681	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.2275	2.2735	2.2436	m <sup>2</sup>
Time, $t_{p75-25}$	= 1213	1575	1667	secs
Infiltration rate, $f$	= $9.80 \times 10^{-5}$	$7.66 \times 10^{-5}$	$7.17 \times 10^{-5}$	m/s

Legend		
●	Test 1	(26.05.20)
■	Test 2	(26.05.20)
▲	Test 3	(26.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

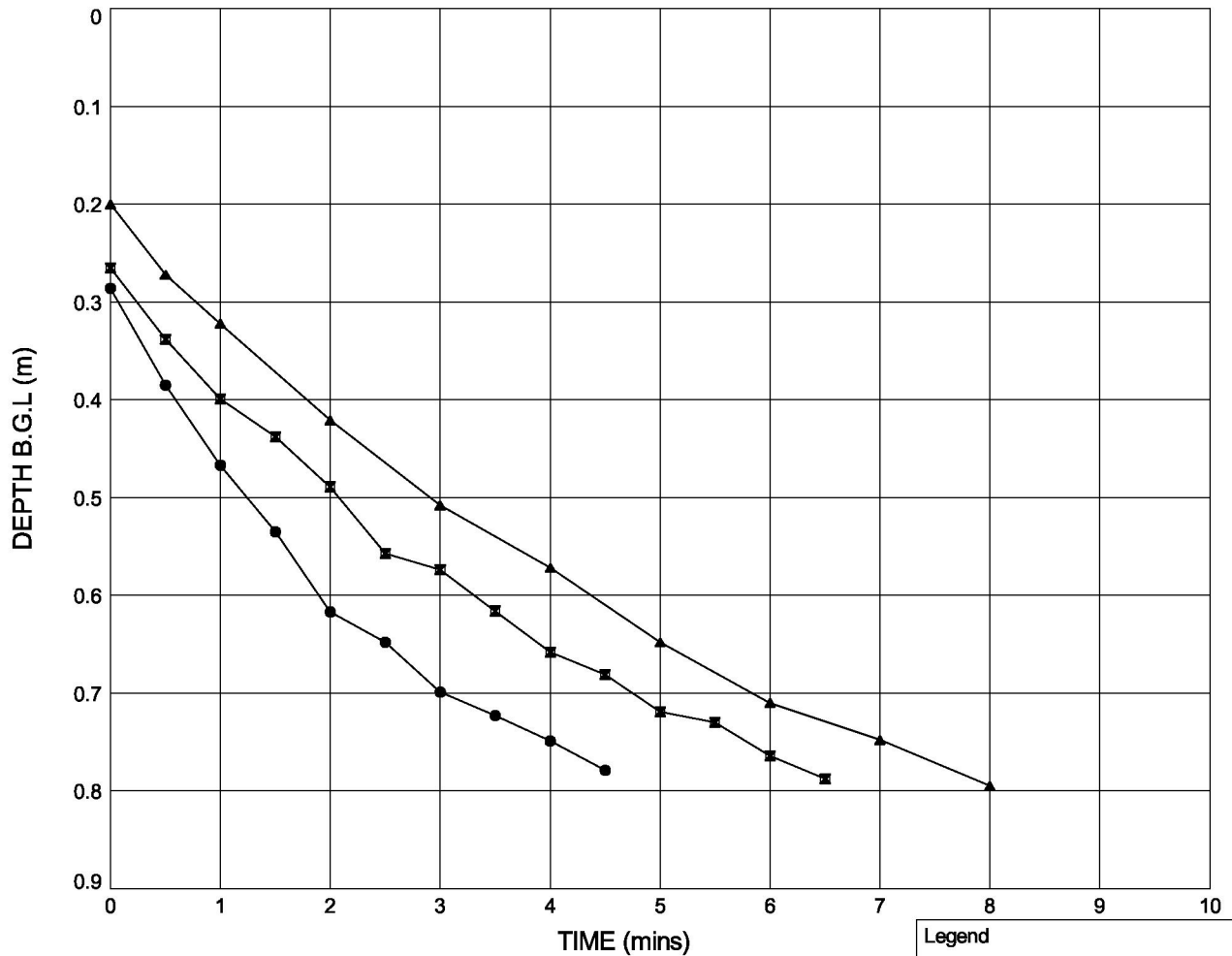
Compiled By	Date	Checked By	Date
[Redacted]	09/06/20	[Redacted]	09/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

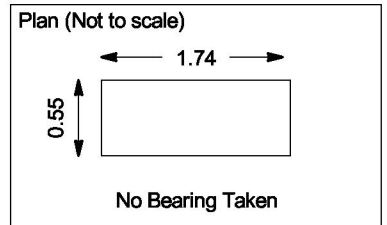
Soakaway Test - Position ID : IB5

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	=	0.80	0.80	0.80 m
Pit final depth:	=	0.80	0.80	0.84 m
Effective depth, $D_e$	=	0.50	0.54	0.64 m
Effective storage volume, $V_{p75-25}$	=	0.2371	0.2556	0.3035 m <sup>3</sup>
Surface area, $a_{p50}$	=	2.0908	2.1799	2.4107 m <sup>2</sup>
Time, $t_{p75-25}$	=	118	194	248 secs
Infiltration rate, $f$	=	$9.61 \times 10^{-4}$	$6.04 \times 10^{-4}$	$5.08 \times 10^{-4}$ m/s

Legend		
●	Test 1	(26.05.20)
■	Test 2	(26.05.20)
▲	Test 3	(26.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

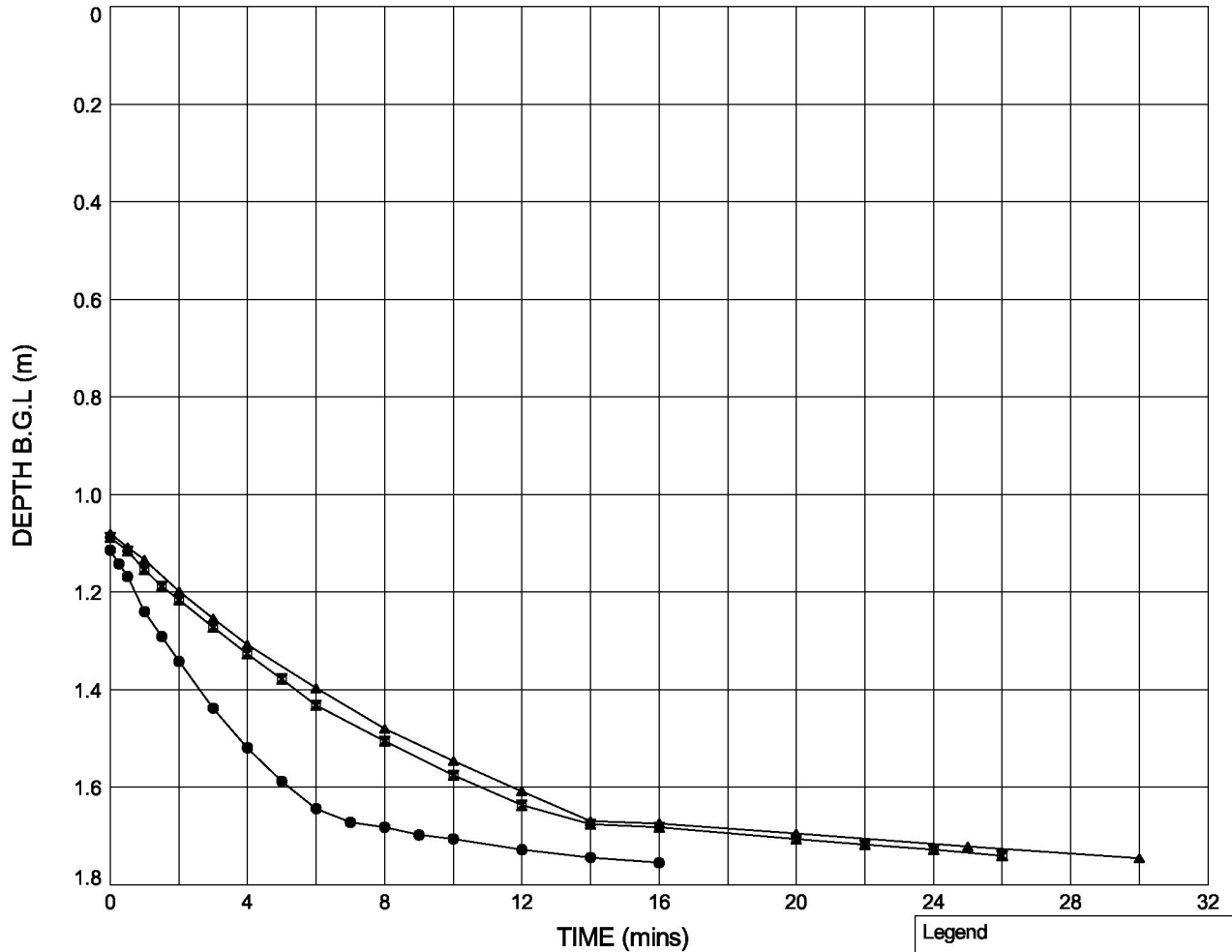
Compiled By	Date	Checked By	Date
[Redacted]	03/06/20	[Redacted]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

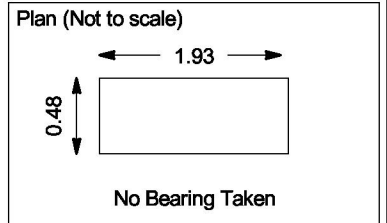
Soakaway Test - Position ID : IB7

## Plot of Depth of Water Below Ground Level Against Time



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.76	1.76	1.76	m
Pit final depth:	= 1.76	1.76	1.76	m
Effective depth, $D_e$	= 0.64	0.67	0.68	m
Effective storage volume, $V_{p75-25}$	= 0.2969	0.3103	0.3140	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.4712	2.5411	2.5604	m <sup>2</sup>
Time, $t_{p75-25}$	= 227	468	507	secs
Infiltration rate, $f$	= $5.29 \times 10^{-4}$	$2.61 \times 10^{-4}$	$2.42 \times 10^{-4}$	m/s

Legend		
●	Test 1	(29.05.20)
■	Test 2	(29.05.20)
▲	Test 3	(29.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

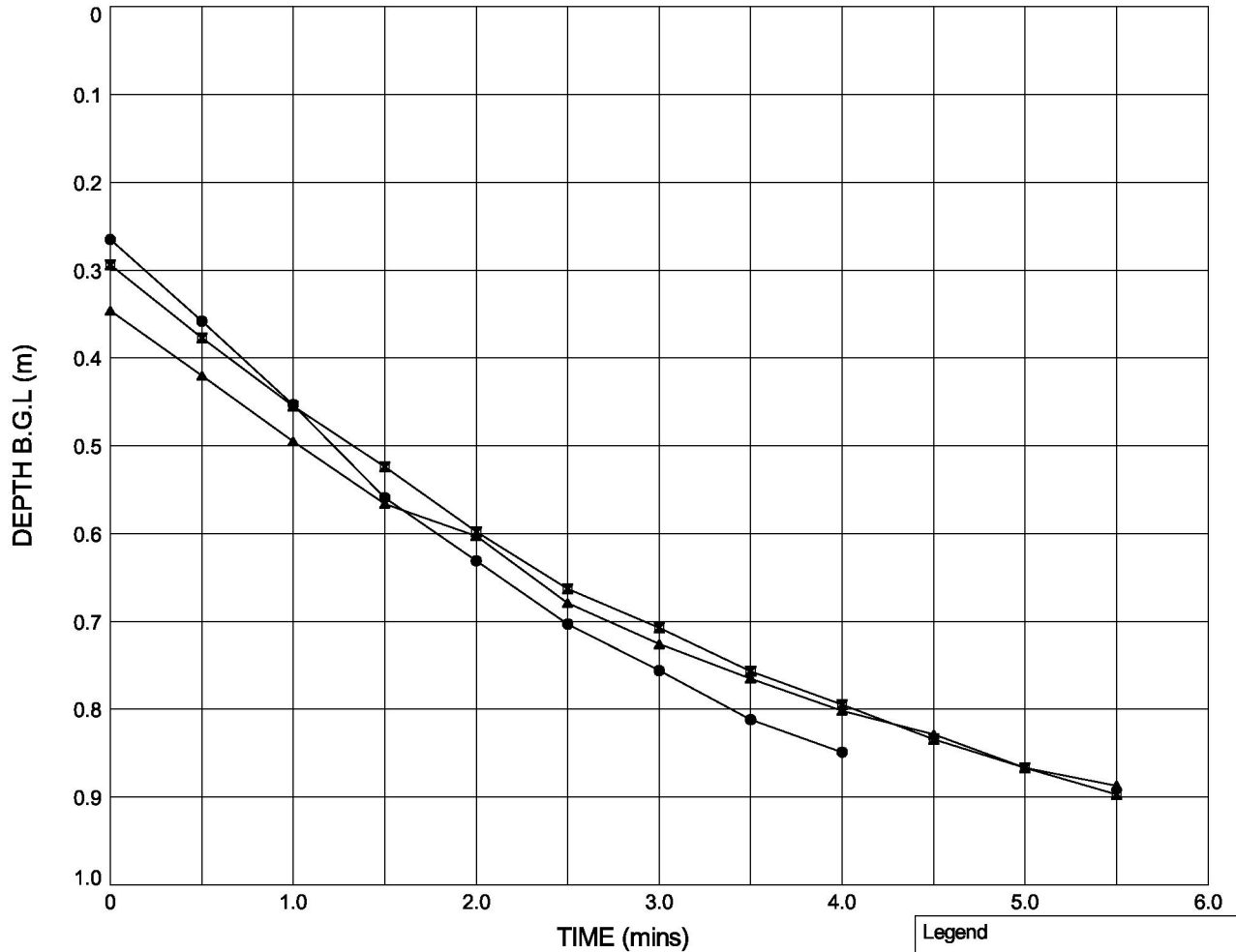
Compiled By	Date	Checked By	Date
[Redacted]	05/06/20	[Redacted]	09/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

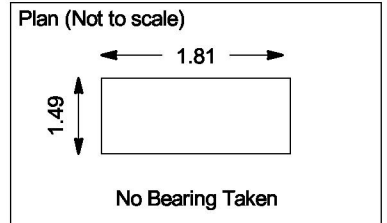
Soakaway Test - Position ID : IB8

## Plot of Depth of Water Below Ground Level Against Time



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.00	1.00	1.01	m
Pit final depth:	= 1.00	1.01	1.01	m
Effective depth, $D_e$	= 0.74	0.71	0.66	m
Effective storage volume, $V_{p75-25}$	= 0.3226	0.3134	0.8897	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.5647	2.5165	4.8691	m <sup>2</sup>
Time, $t_{p75-25}$	= 154	199	214	secs
Infiltration rate, $f$	= $8.17 \times 10^{-4}$	$6.26 \times 10^{-4}$	$8.54 \times 10^{-4}$	m/s

Legend		
●	Test 1	(29.05.20)
■	Test 2	(29.05.20)
▲	Test 3	(29.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

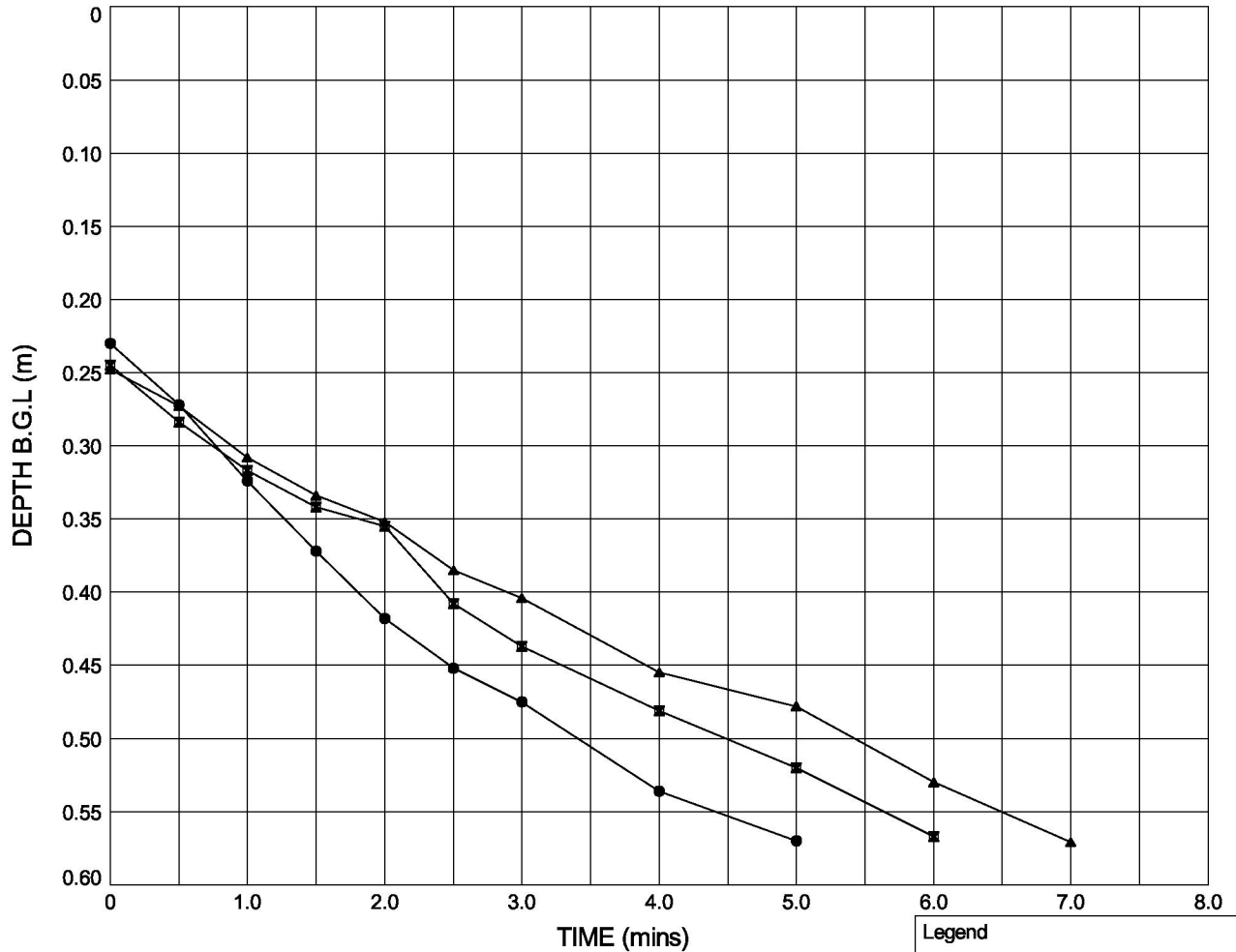
Compiled By	Date	Checked By	Date
[Redacted]	01/06/20	[Redacted]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

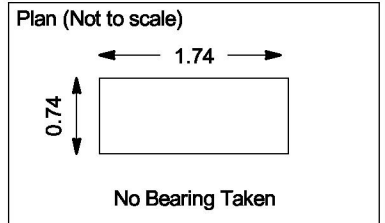
Soakaway Test - Position ID : IB9

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.58	0.58	0.58	m
Pit final depth:	= 0.58	0.58	0.58	m
Effective depth, $D_e$	= 0.35	0.34	0.33	m
Effective storage volume, $V_{p75-25}$	= 0.2253	0.2157	0.2137	$m^3$
Surface area, $a_{p50}$	= 2.1556	2.1184	2.1110	$m^2$
Time, $t_{p75-25}$	= 141	189	235	secs
Infiltration rate, $f$	= $7.41 \times 10^{-4}$	$5.39 \times 10^{-4}$	$4.31 \times 10^{-4}$	m/s

Legend		
●	Test 1	(27.05.20)
■	Test 2	(27.05.20)
▲	Test 3	(27.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

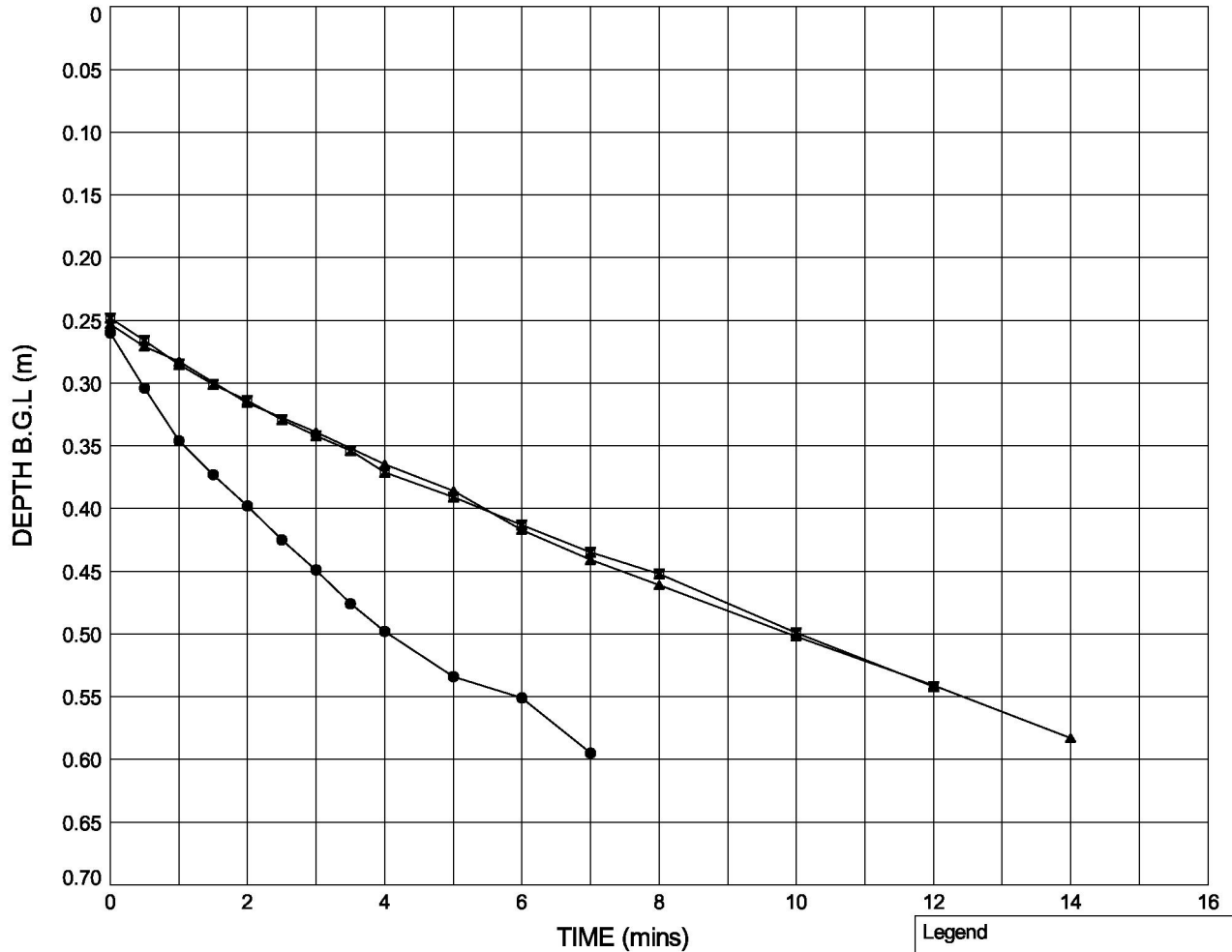
Compiled By	Date	Checked By	Date
[REDACTED]	09/06/20	[REDACTED]	09/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

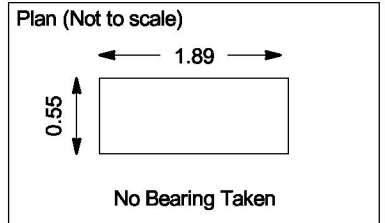
Soakaway Test - Position ID : IB10

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.60	0.60	0.61	m
Pit final depth:	= 0.60	0.61	0.61	m
Effective depth, $D_e$	= 0.34	0.36	0.35	m
Effective storage volume, $V_{p75-25}$	= 0.1763	0.1835	0.1819	m <sup>3</sup>
Surface area, $a_{p50}$	= 1.8617	1.8957	1.8884	m <sup>2</sup>
Time, $t_{p75-25}$	= 212	478	465	secs
Infiltration rate, $f$	= $4.47 \times 10^{-4}$	$2.02 \times 10^{-4}$	$2.07 \times 10^{-4}$	m/s

Legend		
●	Test 1	(26.05.20)
■	Test 2	(26.05.20)
▲	Test 3	(26.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By	Date	Checked By	Date
[Redacted]	03/06/20	[Redacted]	03/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

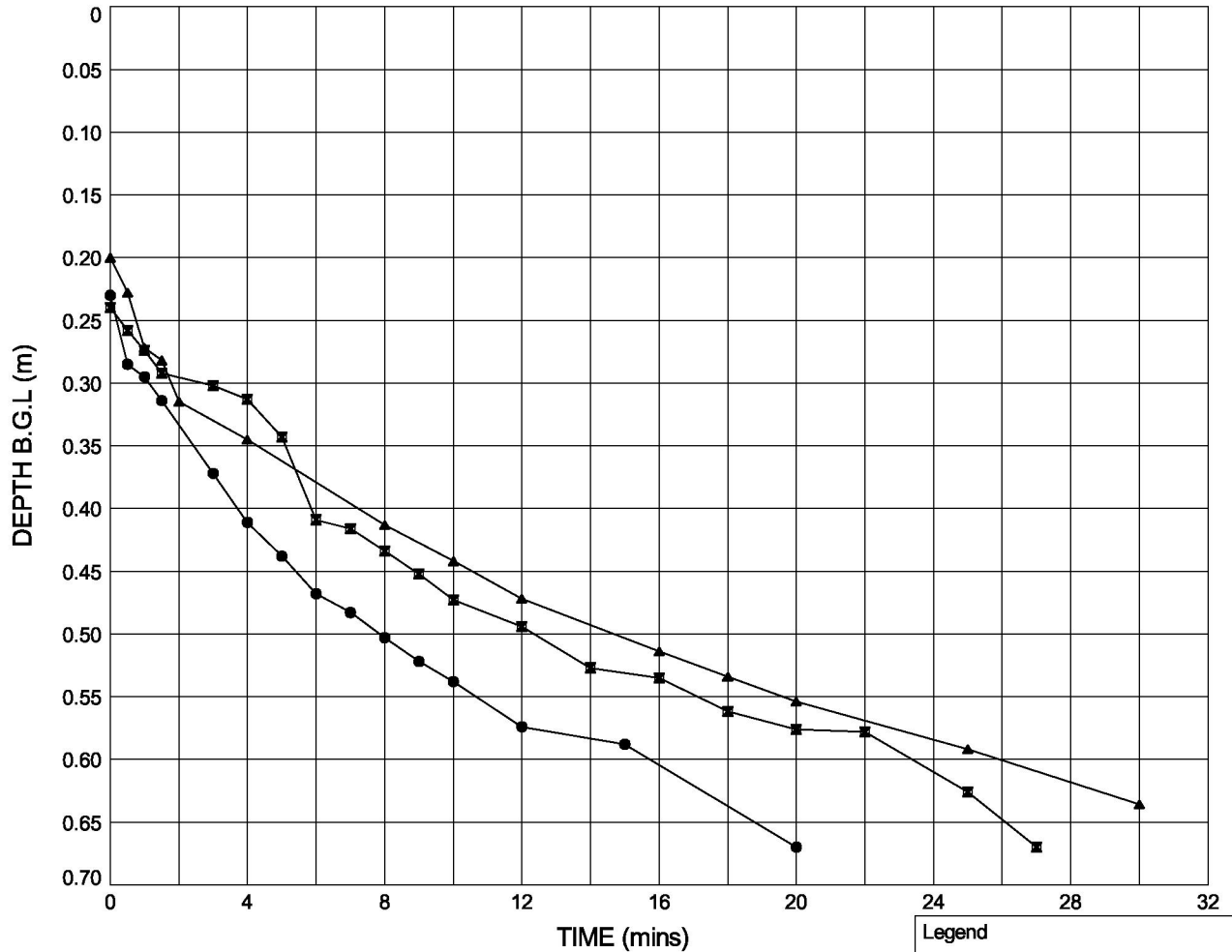


# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

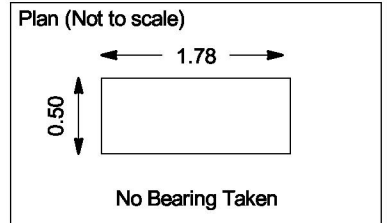
Soakaway Test - Position ID : IB11

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.68	0.68	0.68	m
Pit final depth:	= 0.68	0.68	0.68	m
Effective depth, $D_e$	= 0.45	0.44	0.48	m
Effective storage volume, $V_{p75-25}$	= 0.2003	0.1958	0.2136	$m^3$
Surface area, $a_{p50}$	= 1.9160	1.8932	1.9844	$m^2$
Time, $t_{p75-25}$	= 564	843	1107	secs
Infiltration rate, $f$	= $4.85 \times 10^{-4}$	$1.23 \times 10^{-4}$	$9.72 \times 10^{-5}$	m/s

Legend		
●	Test 1	(27.05.20)
■	Test 2	(27.05.20)
▲	Test 3	(27.05.20)



STRUCTURAL SOILS  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

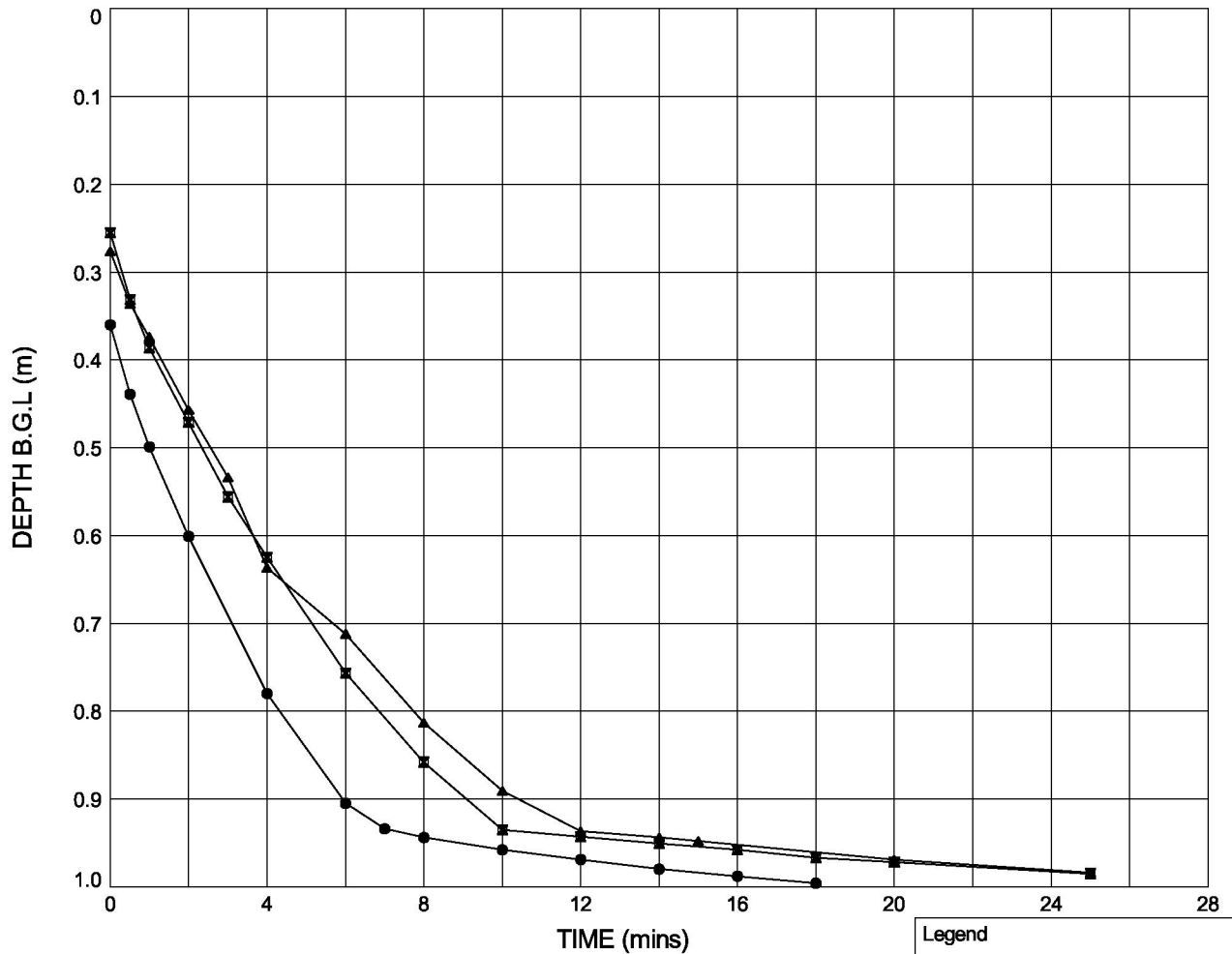
Compiled By	Date	Checked By	Date
[REDACTED]	09/06/20	[REDACTED]	09/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : IT1

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

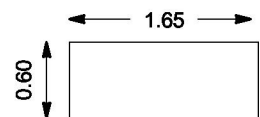


	Test 1	Test 2	Test 3	
Pit start depth:	= 1.01	1.01	1.01	m
Pit final depth:	= 1.01	1.01	1.03	m
Effective depth, $D_e$	= 0.65	0.76	0.75	m
Effective storage volume, $V_{p75-25}$	= 0.3218	0.3737	0.3732	$m^3$
Surface area, $a_{p50}$	= 2.4525	2.6888	2.6865	$m^2$
Time, $t_{p75-25}$	= 231	335	398	secs
Infiltration rate, $f$	= $2.68 \times 10^{-4}$	$4.15 \times 10^{-4}$	$3.49 \times 10^{-4}$	m/s

### Legend

- Test 1 (19.05.20)
- Test 2 (19.05.20)
- ▲ Test 3 (19.05.20)

### Plan (Not to scale)



No Bearing Taken



STRUCTURAL SOILS  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By

Date

Checked By

Date

27/05/20

03/06/20

Contract

Contract Ref:

Wykham Lane, Banbury

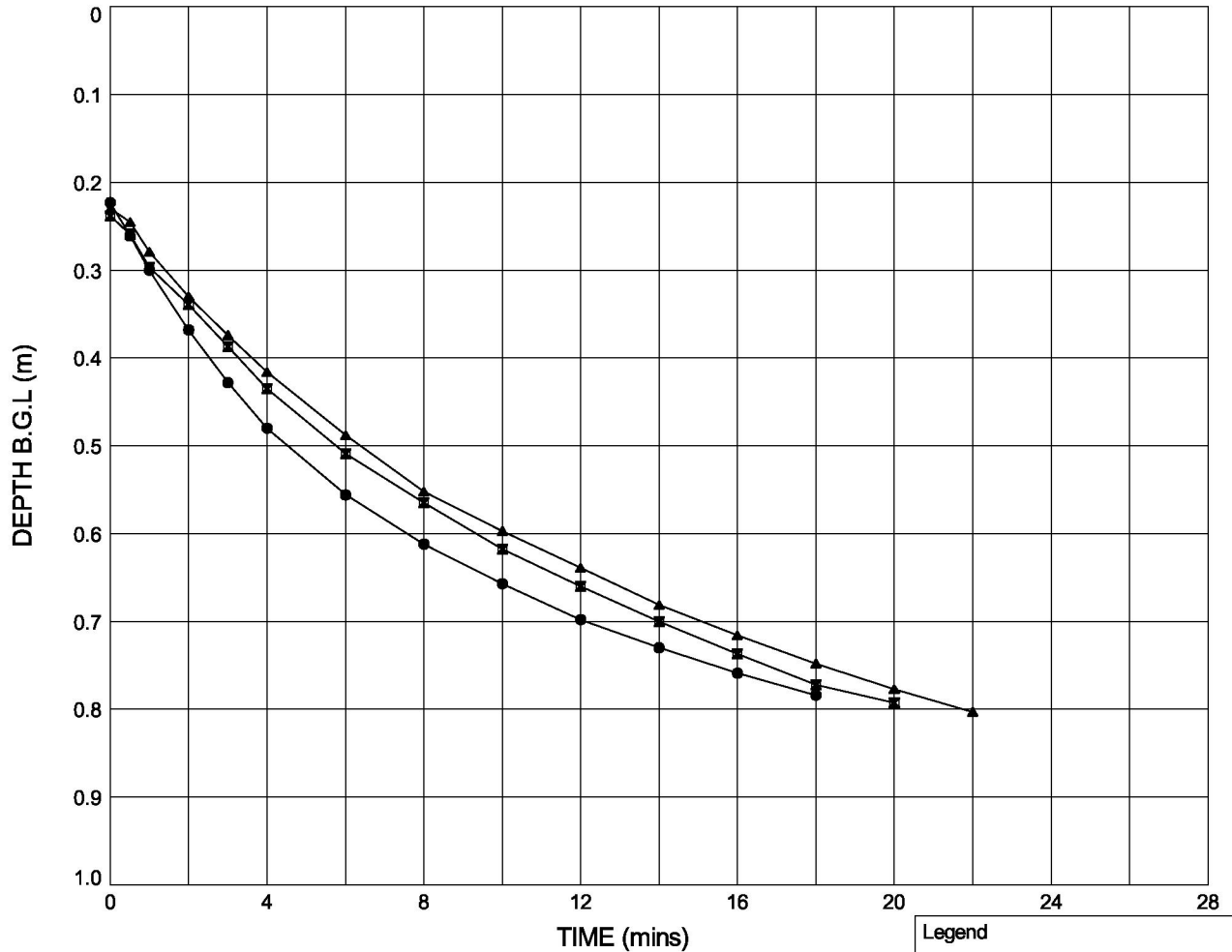
749466

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : IT2

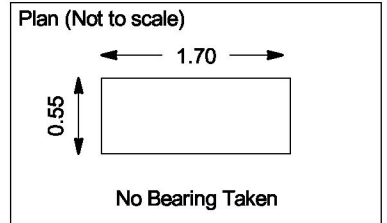
## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.96	0.98	0.99	m
Pit final depth:	= 0.98	0.99	0.99	m
Effective depth, $D_e$	= 0.75	0.75	0.76	m
Effective storage volume, $V_{p75-25}$	= 0.3516	0.3492	0.3544	$m^3$
Surface area, $a_{p50}$	= 2.6270	2.6158	2.6405	$m^2$
Time, $t_{p75-25}$	= 931	1003	1053	secs
Infiltration rate, $f$	= $1.44 \times 10^{-4}$	$1.33 \times 10^{-4}$	$1.27 \times 10^{-4}$	m/s

Please note test data was extrapolated to obtain  $t_{p75-tp25}$ .

Legend		
●	Test 1	(19.05.20)
■	Test 2	(19.05.20)
▲	Test 3	(19.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

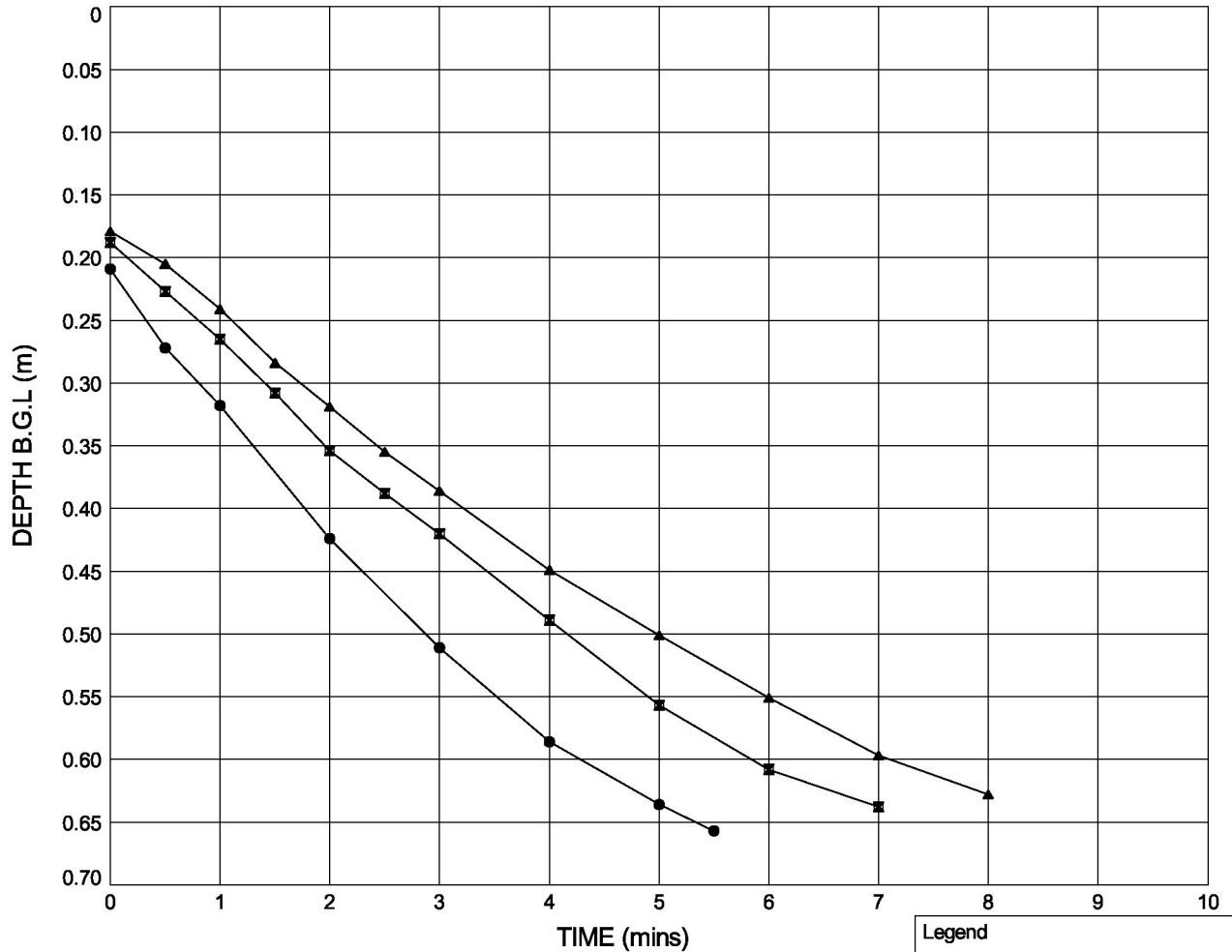
Compiled By	Date	Checked By	Date
[Redacted]	27/05/20	[Redacted]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : IT3

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

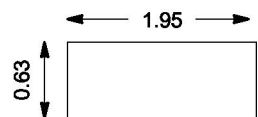


	Test 1	Test 2	Test 3	
Pit start depth:	= 0.67	0.66	0.66	m
Pit final depth:	= 0.66	0.66	0.66	m
Effective depth, $D_e$	= 0.45	0.47	0.48	m
Effective storage volume, $V_{p75-25}$	= 0.2770	0.2899	0.2955	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.3921	2.4463	2.4695	m <sup>2</sup>
Time, $t_{p75-25}$	= 147	198	244	secs
Infiltration rate, $f$	= $7.88 \times 10^{-4}$	$5.99 \times 10^{-4}$	$4.90 \times 10^{-4}$	m/s

### Legend

- Test 1 (20.05.20)
- Test 2 (20.05.20)
- ▲ Test 3 (20.05.20)

### Plan (Not to scale)



No Bearing Taken



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By

Date

27/05/20

Checked By

Date

03/06/20

Contract

**Wykham Lane, Banbury**

Contract Ref:

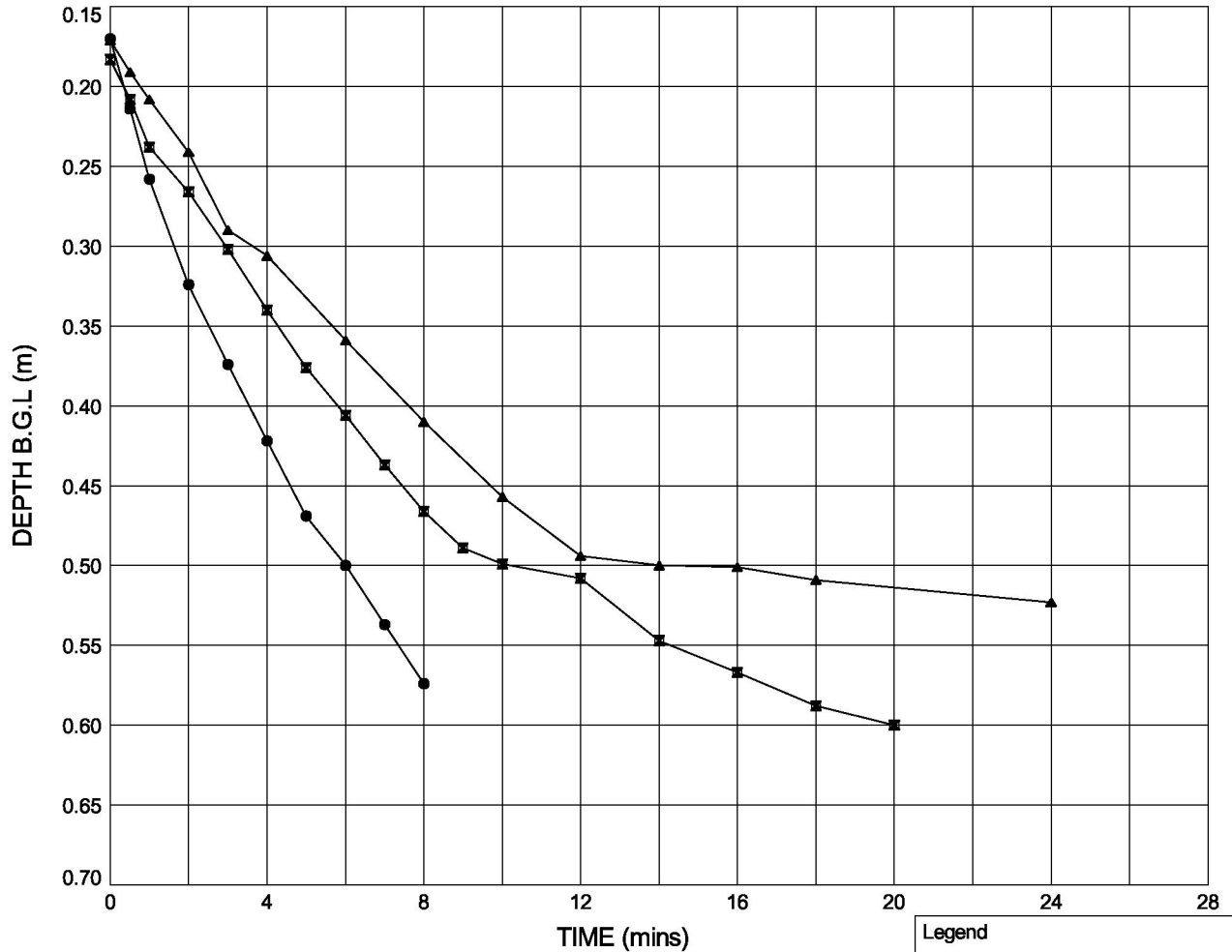
**749466**

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

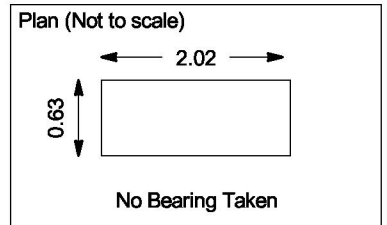
Soakaway Test - Position ID : IT4

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.60	0.61	0.61	m
Pit final depth:	= 0.61	0.61	0.61	m
Effective depth, $D_e$	= 0.44	0.42	0.43	m
Effective storage volume, $V_{p75-25}$	= 0.2768	0.2672	0.2749	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.4254	2.3856	2.4174	m <sup>2</sup>
Time, $t_{p75-25}$	= 274	437	573	secs
Infiltration rate, $f$	= $4.17 \times 10^{-4}$	$2.56 \times 10^{-4}$	$1.98 \times 10^{-4}$	m/s

Legend		
●	Test 1	(20.05.20)
■	Test 2	(20.05.20)
▲	Test 3	(20.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

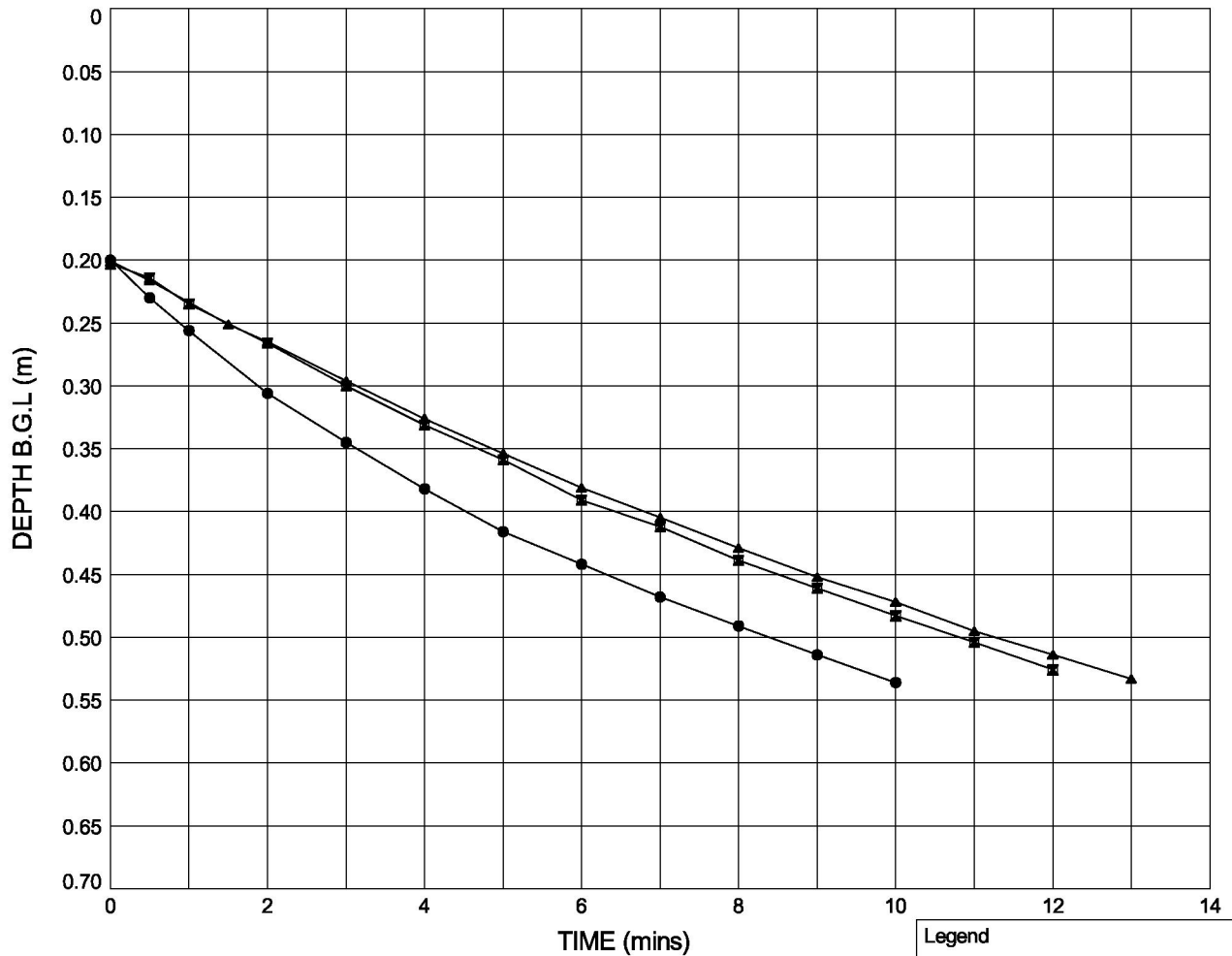
Compiled By	Date	Checked By	Date
[Redacted]	03/06/20	[Redacted]	03/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

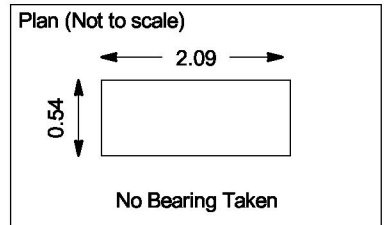
Soakaway Test - Position ID : IT5

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	=	0.61	0.62	0.62 m
Pit final depth:	=	0.62	0.62	0.63 m
Effective depth, $D_e$	=	0.42	0.41	0.43 m
Effective storage volume, $V_{p75-25}$	=	0.2364	0.2336	0.2421 m <sup>3</sup>
Surface area, $a_{p50}$	=	2.2306	2.2174	2.2569 m <sup>2</sup>
Time, $t_{p75-25}$	=	422	493	543 secs
Infiltration rate, $f$	=	$2.51 \times 10^{-4}$	$2.14 \times 10^{-4}$	$1.98 \times 10^{-4}$ m/s

Legend		
●	Test 1	(20.05.20)
■	Test 2	(20.05.20)
▲	Test 3	(20.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By	Date	Checked By	Date
[Redacted]	01/06/20	[Redacted]	03/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

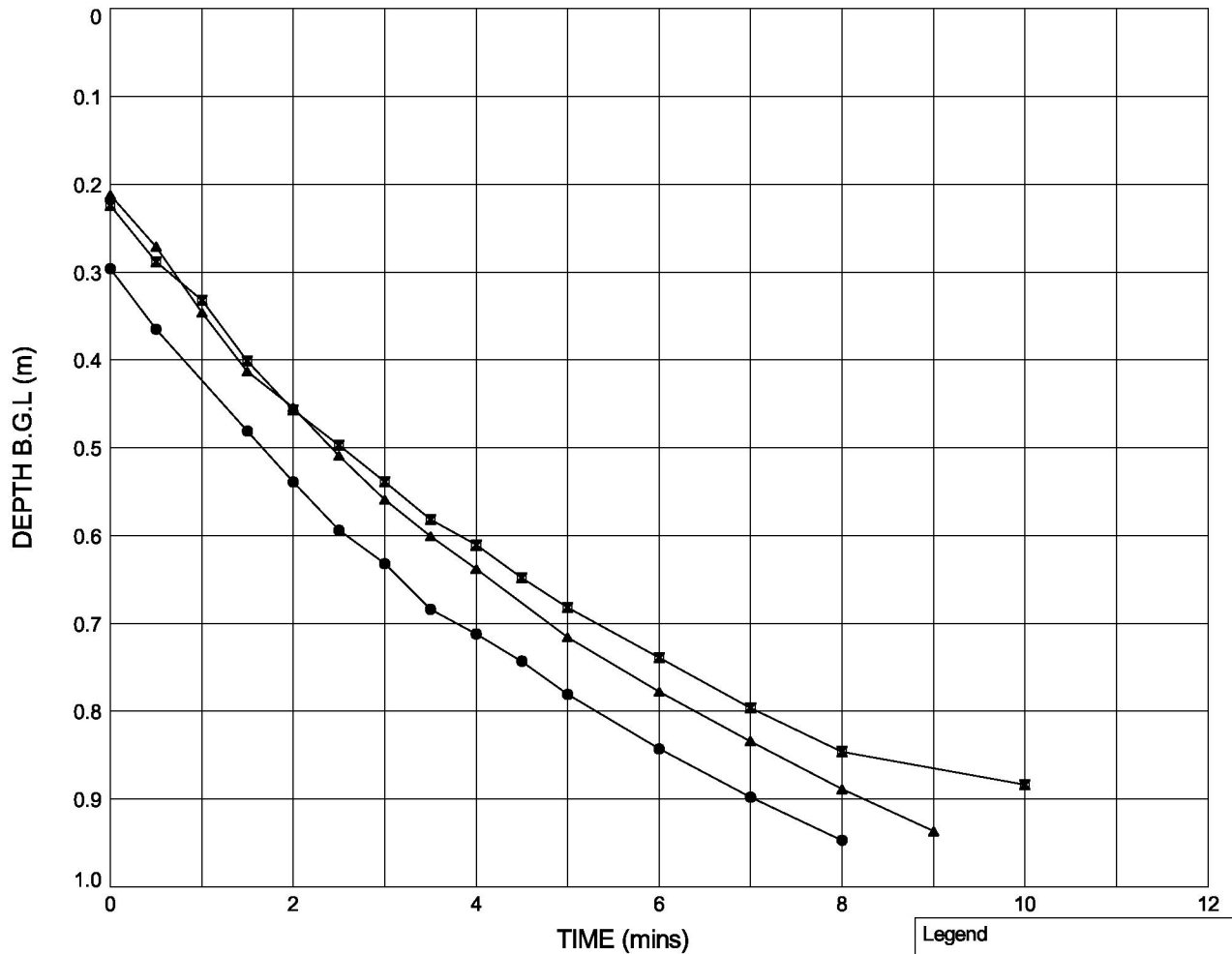


# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

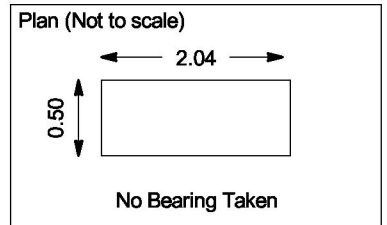
Soakaway Test - Position ID : IT6

## Plot of Depth of Water Below Ground Level Against Time



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.98	0.98	0.98	m
Pit final depth:	= 0.98	0.98	0.99	m
Effective depth, $D_e$	= 0.69	0.76	0.77	m
Effective storage volume, $V_{p75-25}$	= 0.3504	0.3866	0.3947	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.7650	2.9453	2.9860	m <sup>2</sup>
Time, $t_{p75-25}$	= 246	319	289	secs
Infiltration rate, $f$	= $5.15 \times 10^{-4}$	$4.11 \times 10^{-4}$	$4.57 \times 10^{-4}$	m/s

Legend		
●	Test 1	(20.05.20)
■	Test 2	(20.05.20)
▲	Test 3	(20.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

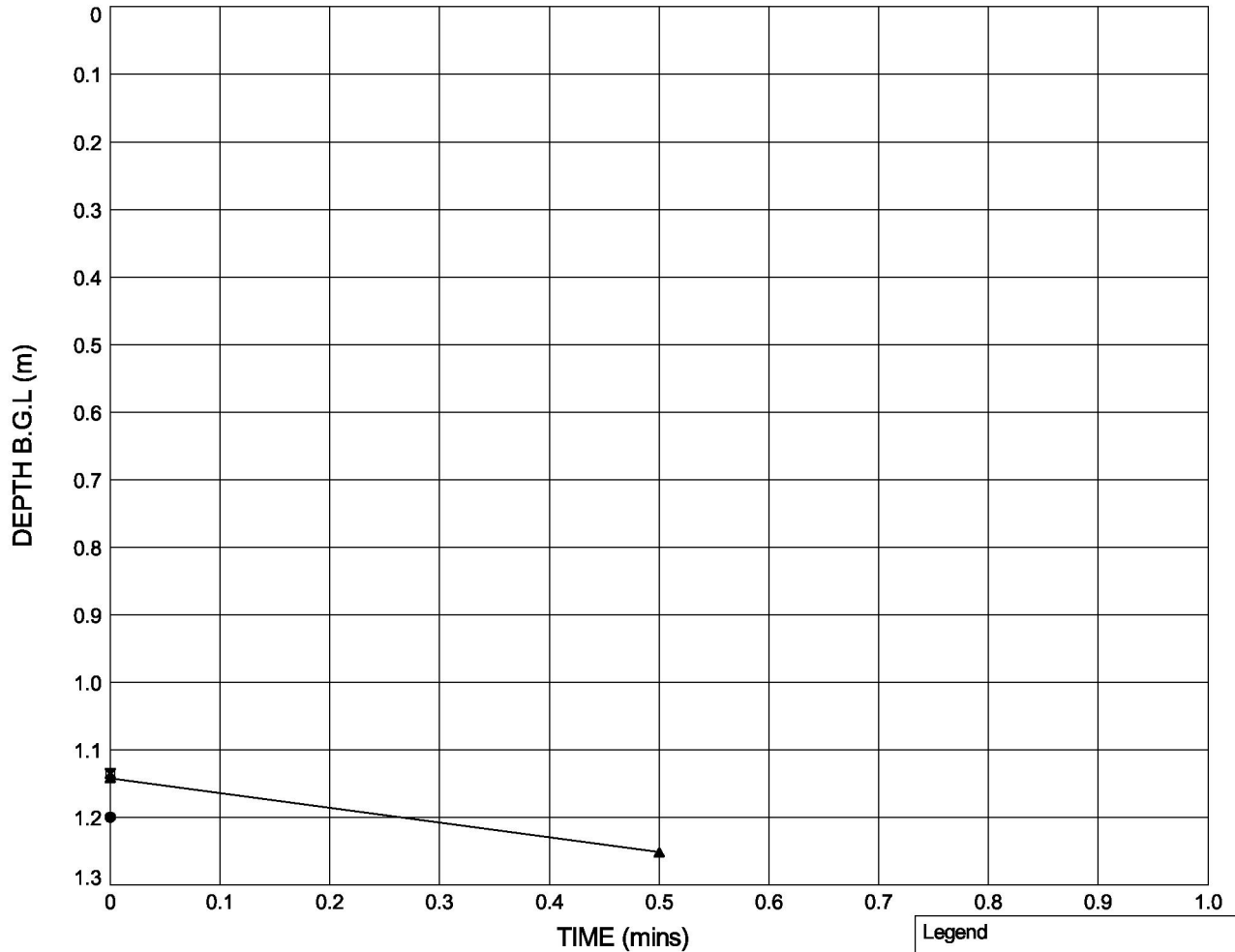
Compiled By	Date	Checked By	Date
[Redacted]	03/06/20	[Redacted]	03/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : IT7

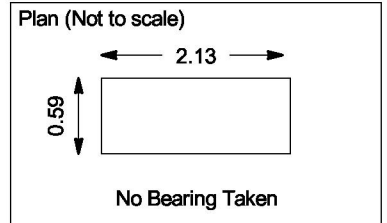
## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.28	1.28	1.28	m
Pit final depth:	= 1.28	1.28	1.28	m
Effective depth, $D_e$	= 0.08	0.15	0.14	m
Effective storage volume, $V_{p75-25}$	= 0.0503	0.0911	0.0880	m <sup>3</sup>
Surface area, $a_{p50}$	= 1.4743	1.6511	1.6375	m <sup>2</sup>
Time, $t_{p75-25}$	= N/A	N/A	19	secs
Infiltration rate, $f$	= N/A	N/A	$2.83 \times 10^{-3}$	m/s

Notes: Test 1 - Unable to calculate infiltration rate due to rapid draining of pits., Test 2 - Unable to calculate infiltration rate due to rapid draining of pits.

Legend		
●	Test 1	(20.05.20)
■	Test 2	(20.05.20)
▲	Test 3	(20.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

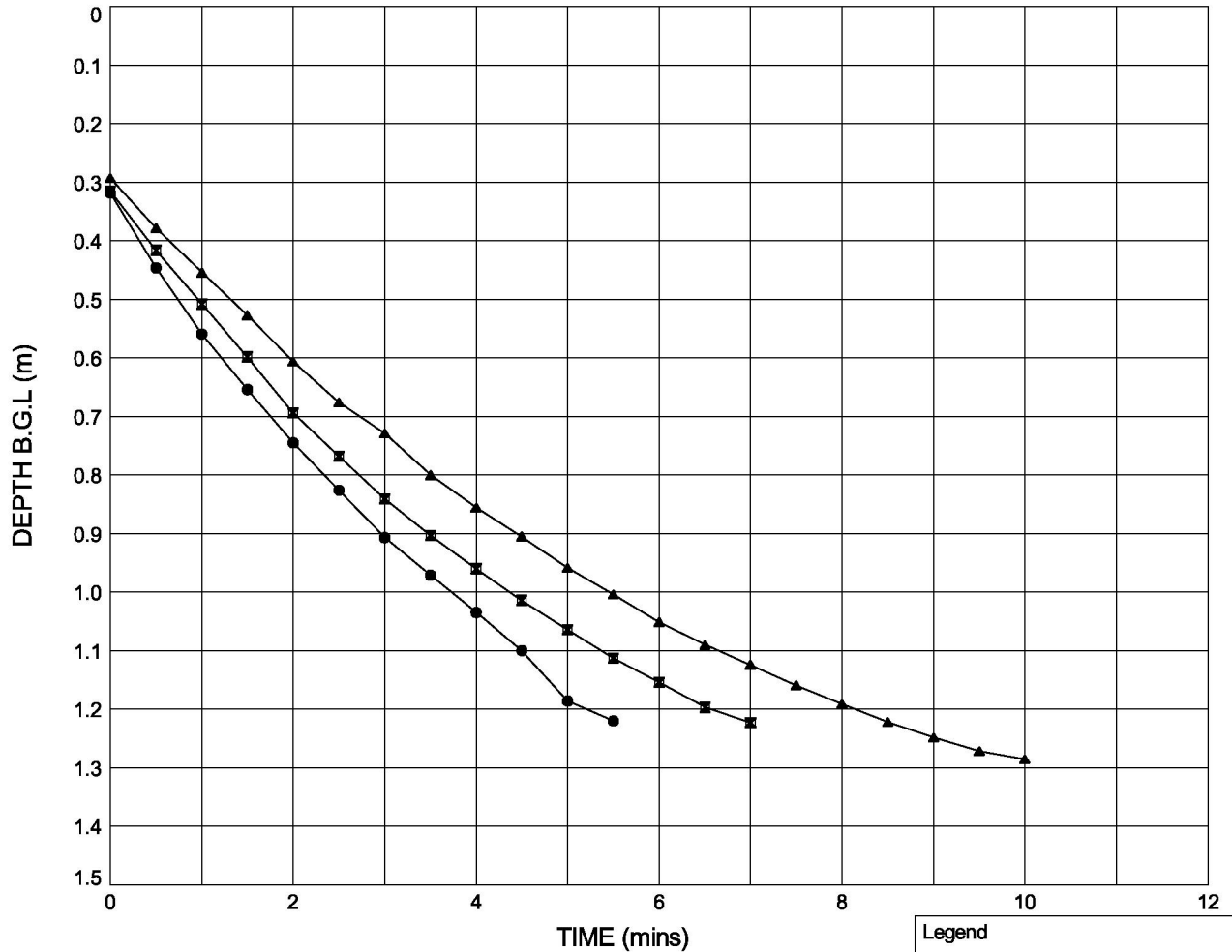
Compiled By	Date	Checked By	Date
[REDACTED]	01/06/20	[REDACTED]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

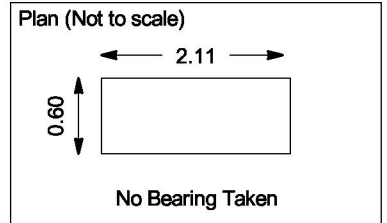
Soakaway Test - Position ID : IT8

## Plot of Depth of Water Below Ground Level Against Time



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.40	1.40	1.40	m
Pit final depth:	= 1.40	1.40	1.40	m
Effective depth, $D_e$	= 1.08	1.09	1.11	m
Effective storage volume, $V_{p75-25}$	= 0.6833	0.6864	0.7003	m <sup>3</sup>
Surface area, $a_{p50}$	= 4.1898	4.2033	4.2628	m <sup>2</sup>
Time, $t_{p75-25}$	= 211	257	315	secs
Infiltration rate, $f$	= $7.73 \times 10^{-4}$	$6.35 \times 10^{-4}$	$5.22 \times 10^{-4}$	m/s

Legend		
●	Test 1	(21.05.20)
■	Test 2	(21.05.20)
▲	Test 3	(21.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

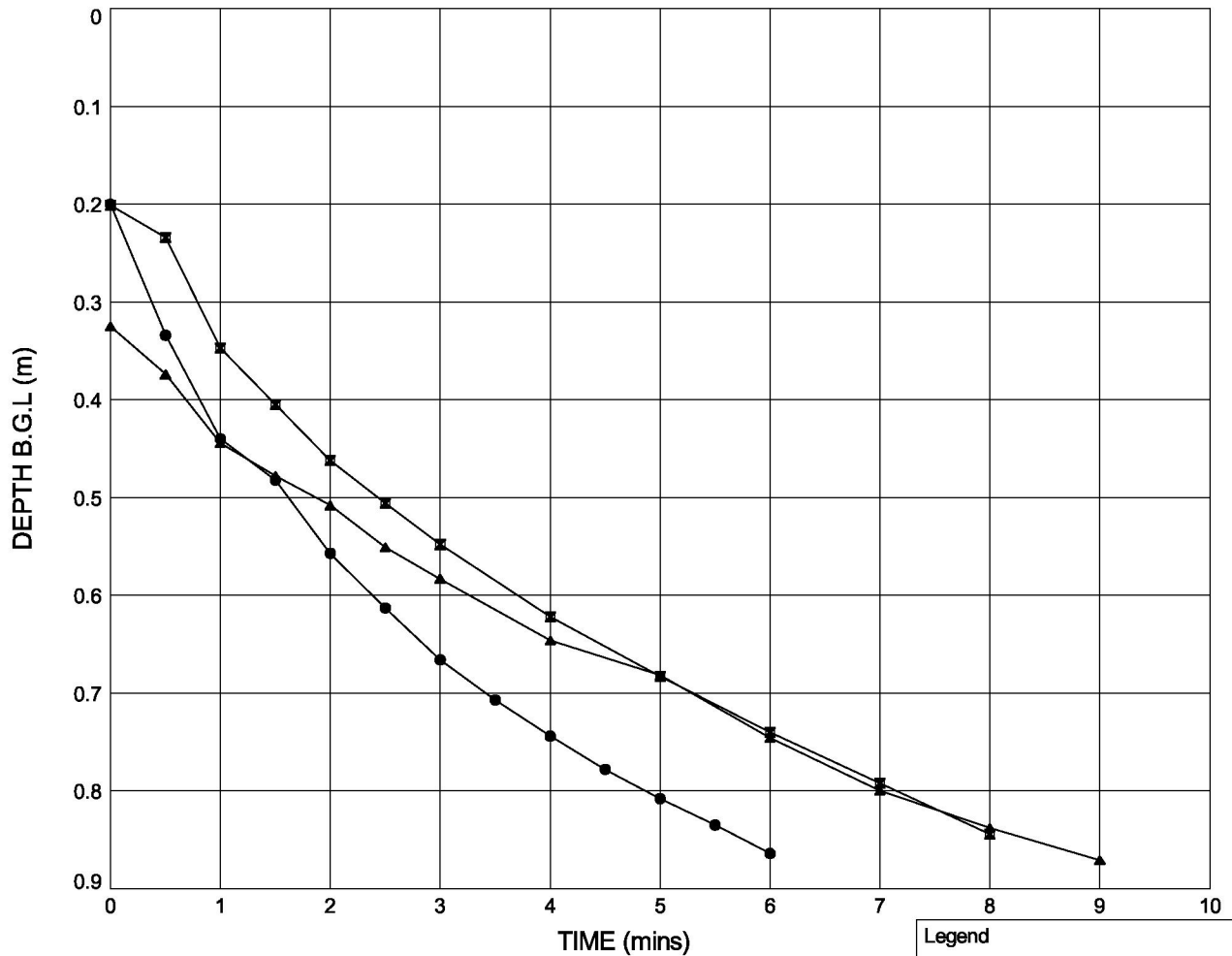
Compiled By	Date	Checked By	Date
[Redacted]	27/05/20	[Redacted]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : IT9

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

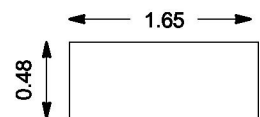


	Test 1	Test 2	Test 3	
Pit start depth:	= 0.87	0.87	0.88	m
Pit final depth:	= 0.87	0.88	0.88	m
Effective depth, $D_e$	= 0.67	0.68	0.55	m
Effective storage volume, $V_{p75-25}$	= 0.2669	0.2673	0.2182	$m^3$
Surface area, $a_{p50}$	= 2.2276	0.2298	1.9656	$m^2$
Time, $t_{p75-25}$	= 169	254	276	secs
Infiltration rate, $f$	= $7.09 \times 10^{-4}$	$4.72 \times 10^{-4}$	$4.02 \times 10^{-4}$	m/s

### Legend

- Test 1 (01.06.20)
- Test 2 (01.06.20)
- ▲ Test 3 (01.06.20)

### Plan (Not to scale)



No Bearing Taken



STRUCTURAL SOILS  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By

Date

Checked By

Date

05/06/20

09/06/20

Contract

Wykham Lane, Banbury

Contract Ref:

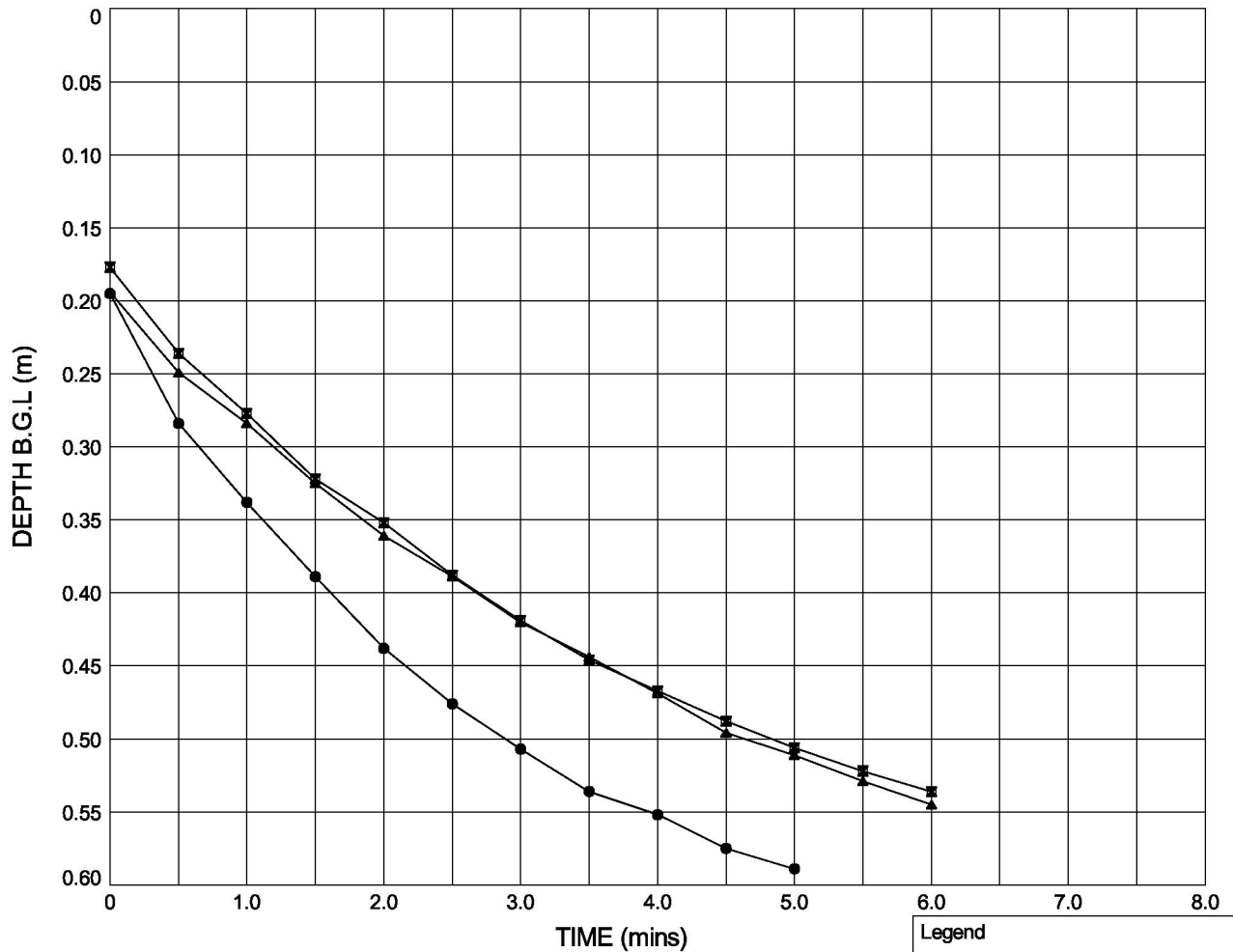
749466

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

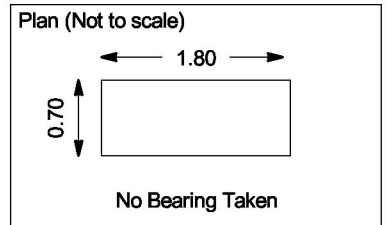
Soakaway Test - Position ID : **POR1**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.61	0.61	0.62	m
Pit final depth:	= 0.61	0.62	0.63	m
Effective depth, $D_e$	= 0.41	0.44	0.43	m
Effective storage volume, $V_{p75-25}$	= 0.2602	0.2772	0.2715	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.2925	2.3600	2.3375	m <sup>2</sup>
Time, $t_{p75-25}$	= 140	235	237	secs
Infiltration rate, $f$	= $8.11 \times 10^{-4}$	$5.00 \times 10^{-4}$	$4.90 \times 10^{-4}$	m/s

Legend		
●	Test 1	(22.06.20)
■	Test 2	(22.06.20)
▲	Test 3	(22.06.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

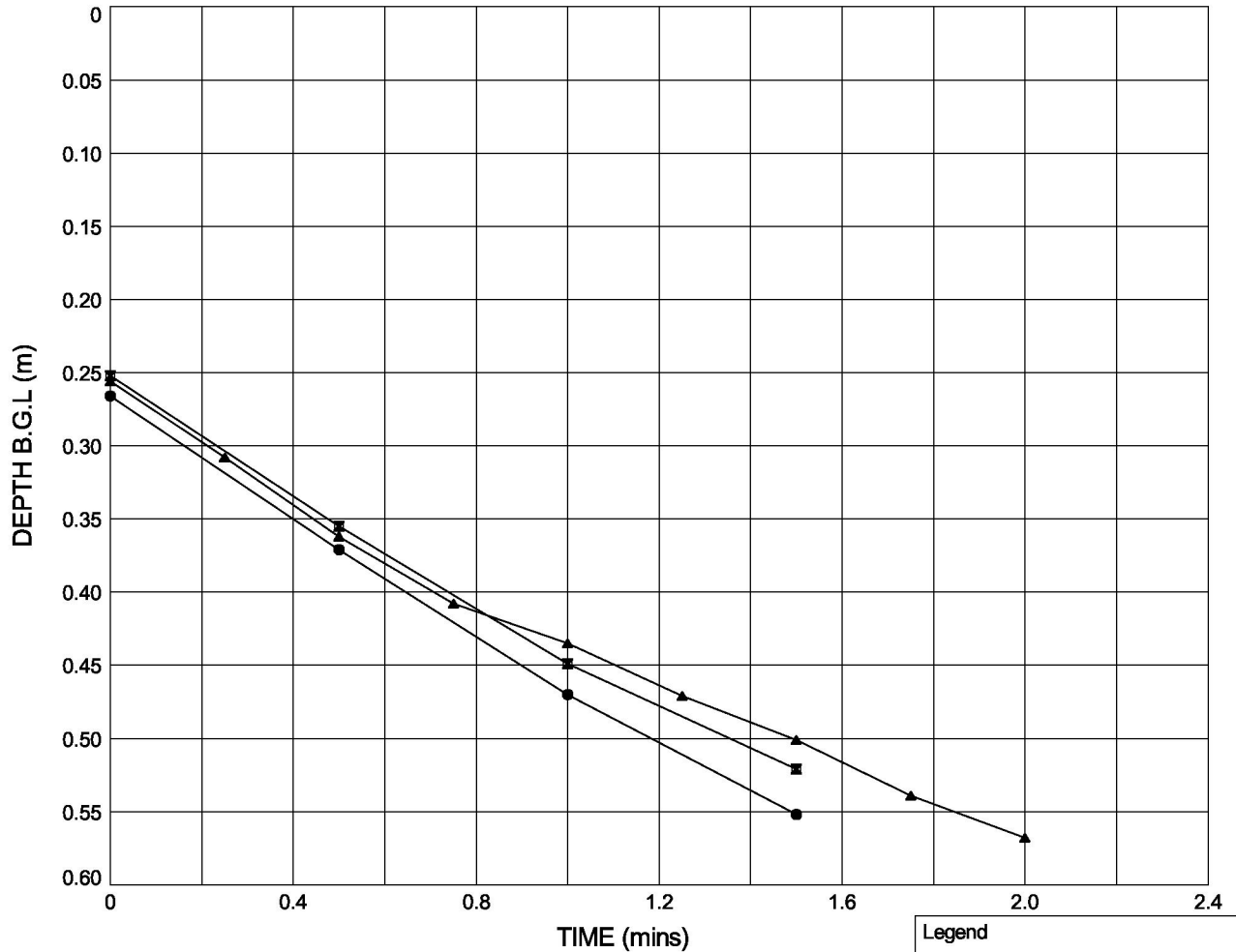
Compiled By	Date	Checked By	Date
[Redacted]	24/06/20	[Redacted]	24/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

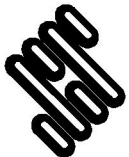
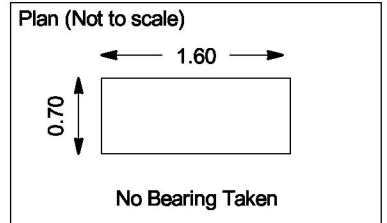
Soakaway Test - Position ID : **POR2**

## Plot of Depth of Water Below Ground Level Against Time



	Test 1	Test 2	Test 3	
Pit start depth:	=	0.59	0.59	0.59 m
Pit final depth:	=	0.59	0.59	0.59 m
Effective depth, $D_e$	=	0.33	0.33	0.33 m
Effective storage volume, $V_{p75-25}$	=	0.1826	0.1865	0.1842 m <sup>3</sup>
Surface area, $a_{p50}$	=	1.8698	1.8859	1.8767 m <sup>2</sup>
Time, $t_{p75-25}$	=	52	58	68 secs
Infiltration rate, $f$	=	$1.88 \times 10^{-3}$	$1.70 \times 10^{-3}$	$1.44 \times 10^{-3}$ m/s

Legend		
●	Test 1	(23.06.20)
■	Test 2	(23.06.20)
▲	Test 3	(23.06.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

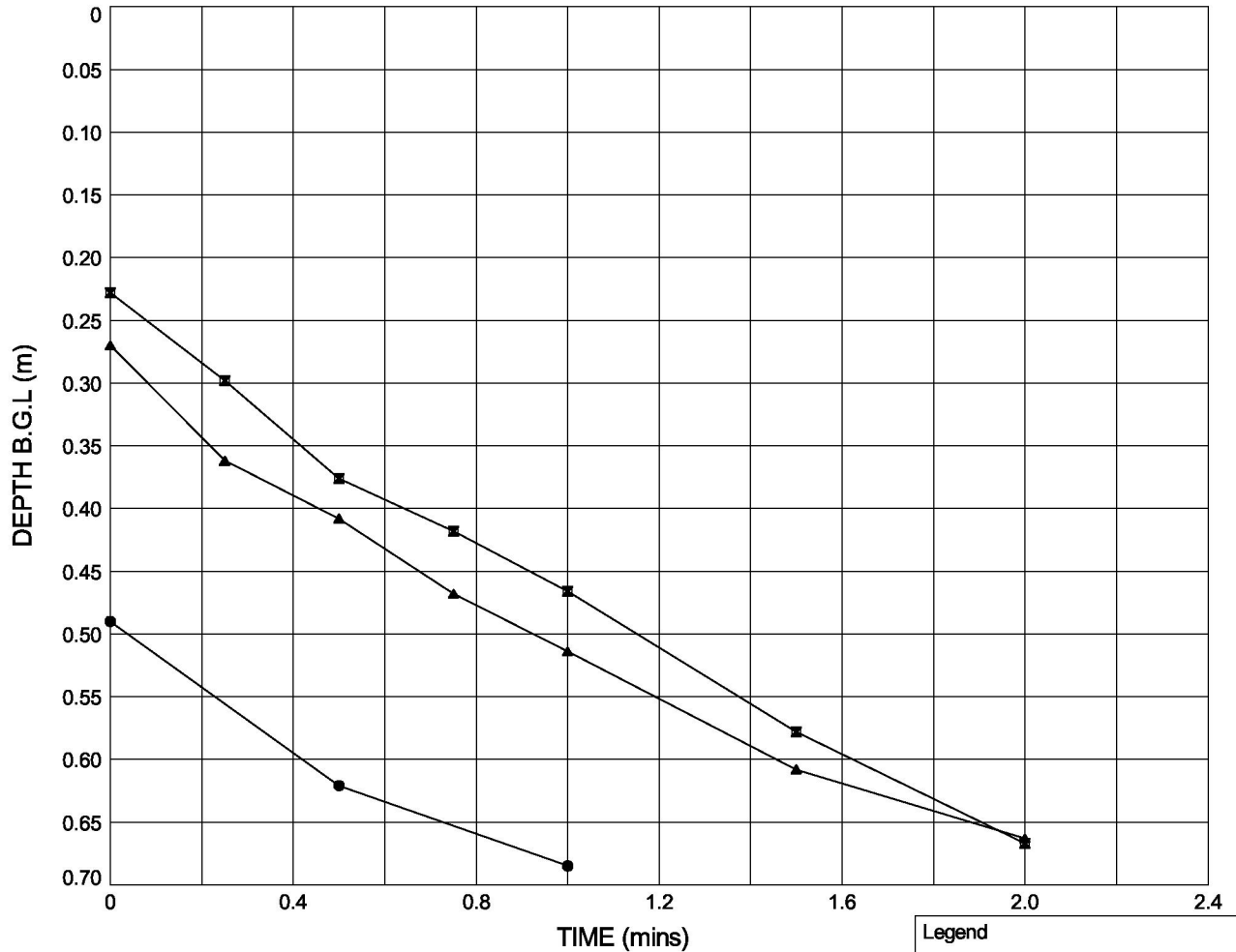
Compiled By	Date	Checked By	Date
[Redacted]	24/06/20	[Redacted]	24/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

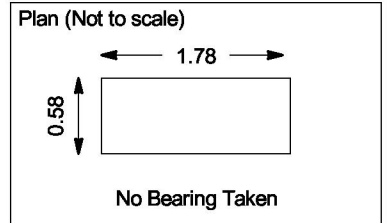
Soakaway Test - Position ID : **POR3**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.70	0.70	0.70	m
Pit final depth:	= 0.70	0.70	0.70	m
Effective depth, $D_e$	= 0.21	0.47	0.43	m
Effective storage volume, $V_{p75-25}$	= 0.1089	0.2442	0.2225	m <sup>3</sup>
Surface area, $a_{p50}$	= 1.5304	2.1487	2.0496	m <sup>2</sup>
Time, $t_{p75-25}$	= 31	68	65	secs
Infiltration rate, $f$	= $2.30 \times 10^{-3}$	$1.67 \times 10^{-3}$	$1.67 \times 10^{-3}$	m/s

Legend		
●	Test 1	(01.06.20)
■	Test 2	(01.06.20)
▲	Test 3	(01.06.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By	Date	Checked By	Date
[REDACTED]	09/06/20	[REDACTED]	09/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

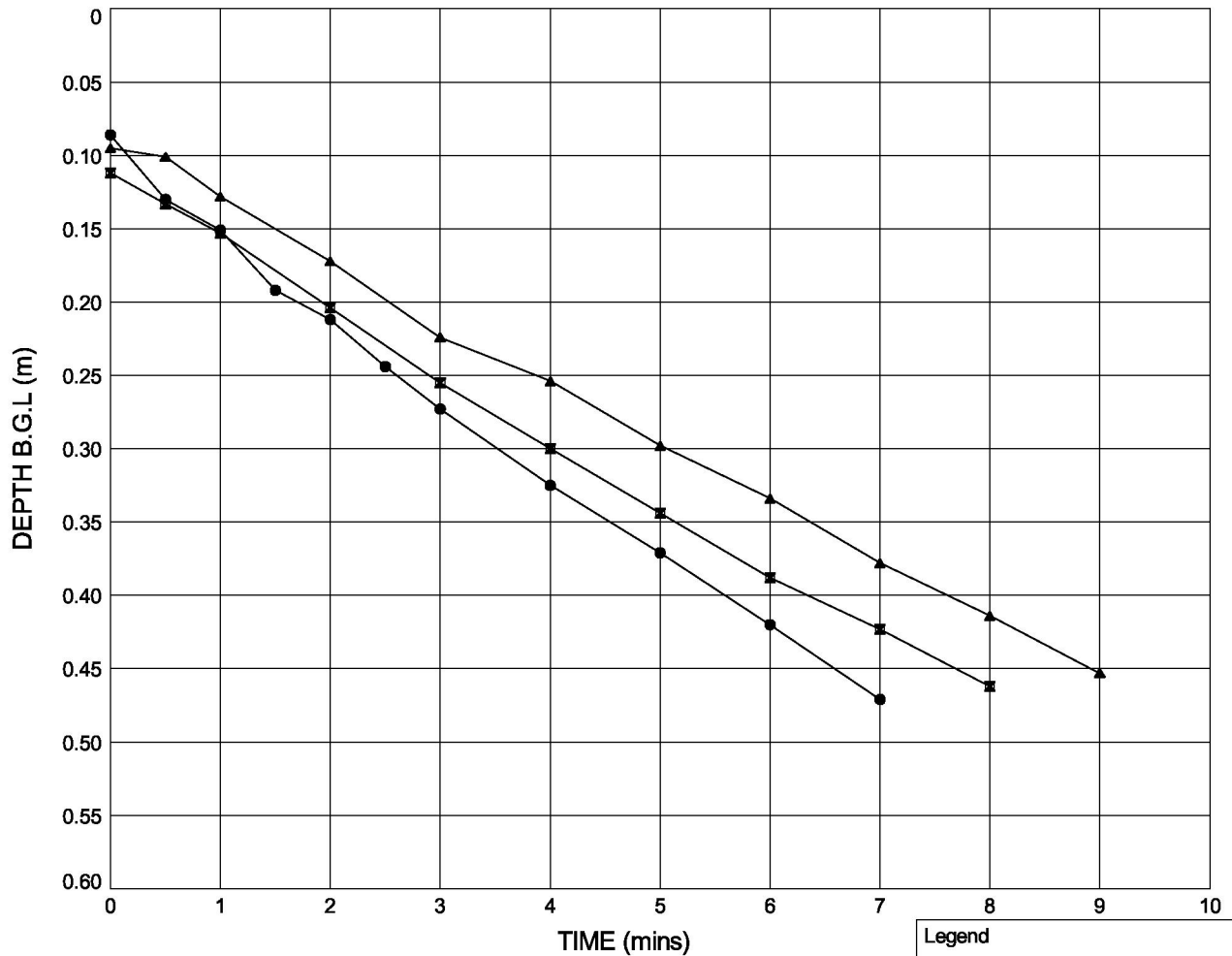


# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

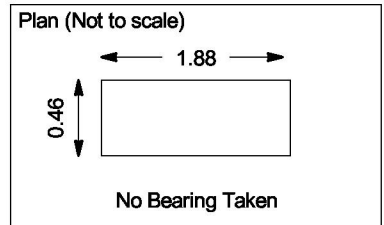
Soakaway Test - Position ID : **POR4**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.57	0.50	0.50	m
Pit final depth:	= 0.50	0.50	0.50	m
Effective depth, $D_e$	= 0.41	0.39	0.41	m
Effective storage volume, $V_{p75-25}$	= 0.1790	0.1678	0.1751	m <sup>3</sup>
Surface area, $a_{p50}$	= 1.8336	0.7727	1.8125	m <sup>2</sup>
Time, $t_{p75-25}$	= 243	260	307	secs
Infiltration rate, $f$	= $4.02 \times 10^{-4}$	$3.64 \times 10^{-4}$	$3.15 \times 10^{-4}$	m/s

Legend		
●	Test 1	(01.06.20)
■	Test 2	(01.06.20)
▲	Test 3	(01.06.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

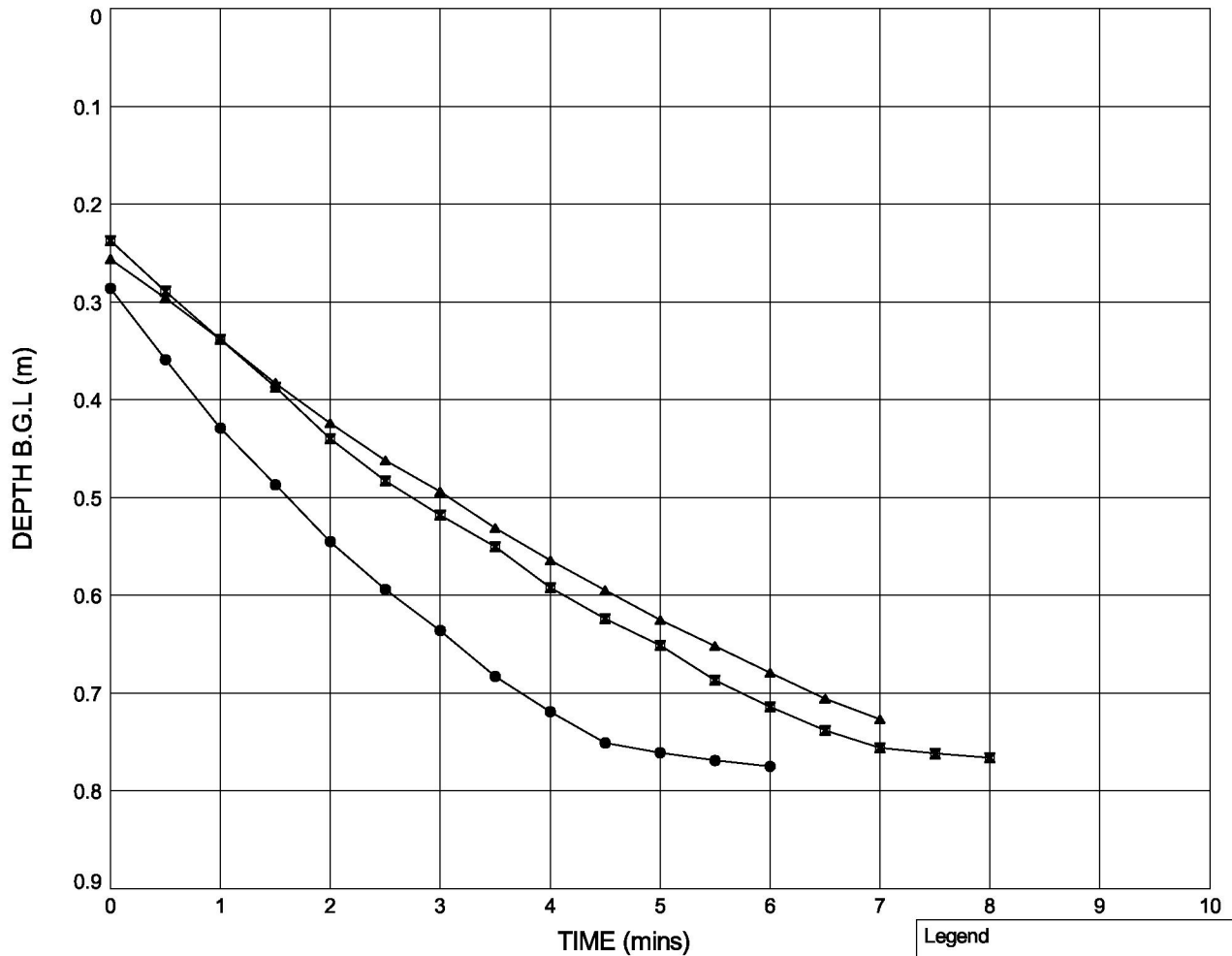
Compiled By	Date	Checked By	Date
[Redacted]	05/06/20	[Redacted]	09/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : **SA1**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

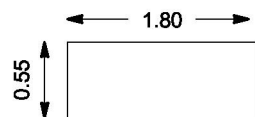


	Test 1	Test 2	Test 3	
Pit start depth:	= 0.83	0.83	0.84	m
Pit final depth:	= 0.83	0.84	0.84	m
Effective depth, $D_e$	= 0.55	0.60	0.58	m
Effective storage volume, $V_{p75-25}$	= 0.2708	0.2960	0.2866	$m^3$
Surface area, $a_{p50}$	= 2.2755	2.3953	2.3507	$m^2$
Time, $t_{p75-25}$	= 164	239	269	secs
Infiltration rate, $f$	= $7.26 \times 10^{-4}$	$5.17 \times 10^{-4}$	$4.53 \times 10^{-4}$	m/s

### Legend

- Test 1 (22.05.20)
- Test 2 (22.05.20)
- ▲ Test 3 (22.05.20)

### Plan (Not to scale)



No Bearing Taken



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By

Date

Checked By

Date

27/05/20

03/06/20

Contract

**Wykham Lane, Banbury**

Contract Ref:

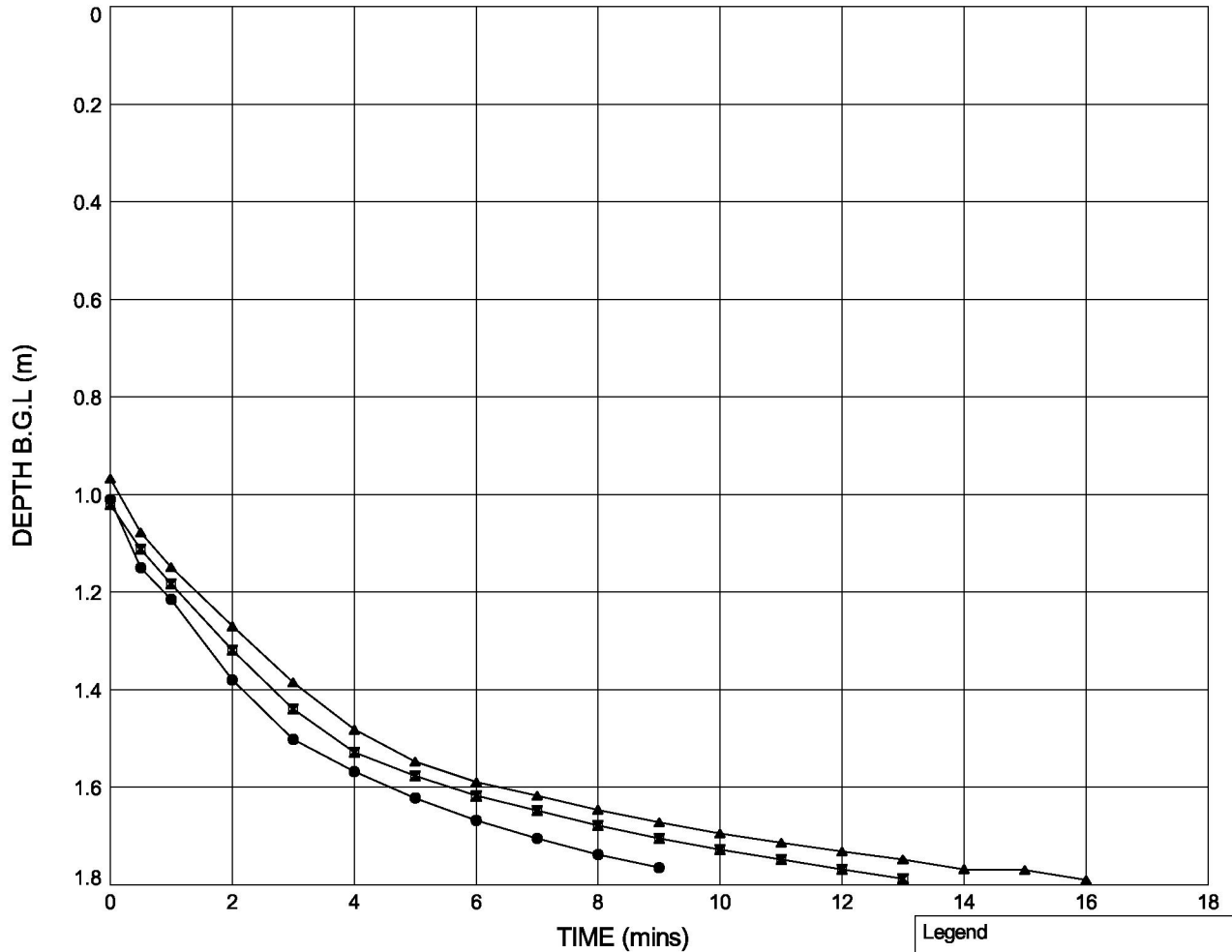
**749466**

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

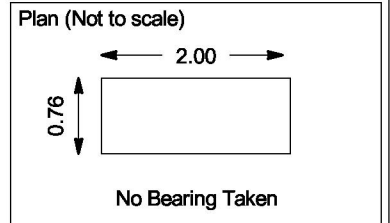
Soakaway Test - Position ID : **SA2**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.79	1.79	1.79	m
Pit final depth:	= 1.79	1.79	1.79	m
Effective depth, $D_e$	= 0.78	0.77	0.83	m
Effective storage volume, $V_{p75-25}$	= 0.5928	0.5875	0.6278	m <sup>3</sup>
Surface area, $a_{p50}$	= 3.6728	3.6535	3.7998	m <sup>2</sup>
Time, $t_{p75-25}$	= 215	260	283	secs
Infiltration rate, $f$	= $7.51 \times 10^{-4}$	$6.18 \times 10^{-4}$	$5.84 \times 10^{-4}$	m/s

Legend		
●	Test 1	(26.05.20)
■	Test 2	(26.05.20)
▲	Test 3	(26.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

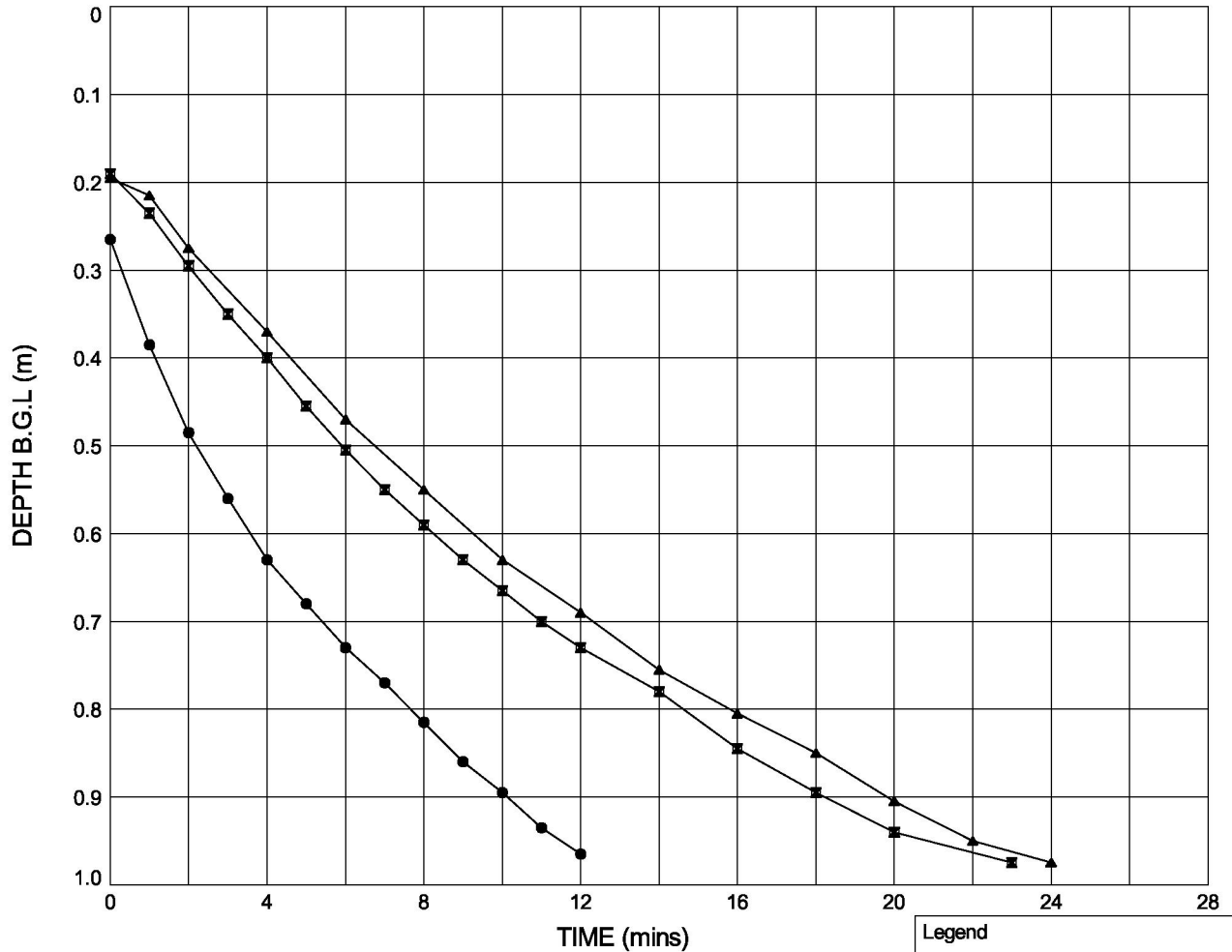
Compiled By	Date	Checked By	Date
[Redacted]	09/06/20	[Redacted]	09/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

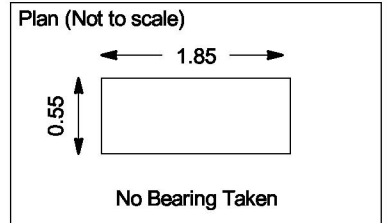
Soakaway Test - Position ID : **SA3**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.98	0.98	0.98	m
Pit final depth:	= 0.98	0.98	0.98	m
Effective depth, $D_e$	= 0.71	0.79	0.78	m
Effective storage volume, $V_{p75-25}$	= 0.3612	0.3994	0.3968	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.7215	2.9015	2.8895	m <sup>2</sup>
Time, $t_{p75-25}$	= 362	613	636	secs
Infiltration rate, $f$	= $3.67 \times 10^{-4}$	$2.25 \times 10^{-4}$	$2.16 \times 10^{-4}$	m/s

Legend		
●	Test 1	(22.05.20)
■	Test 2	(22.05.20)
▲	Test 3	(22.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

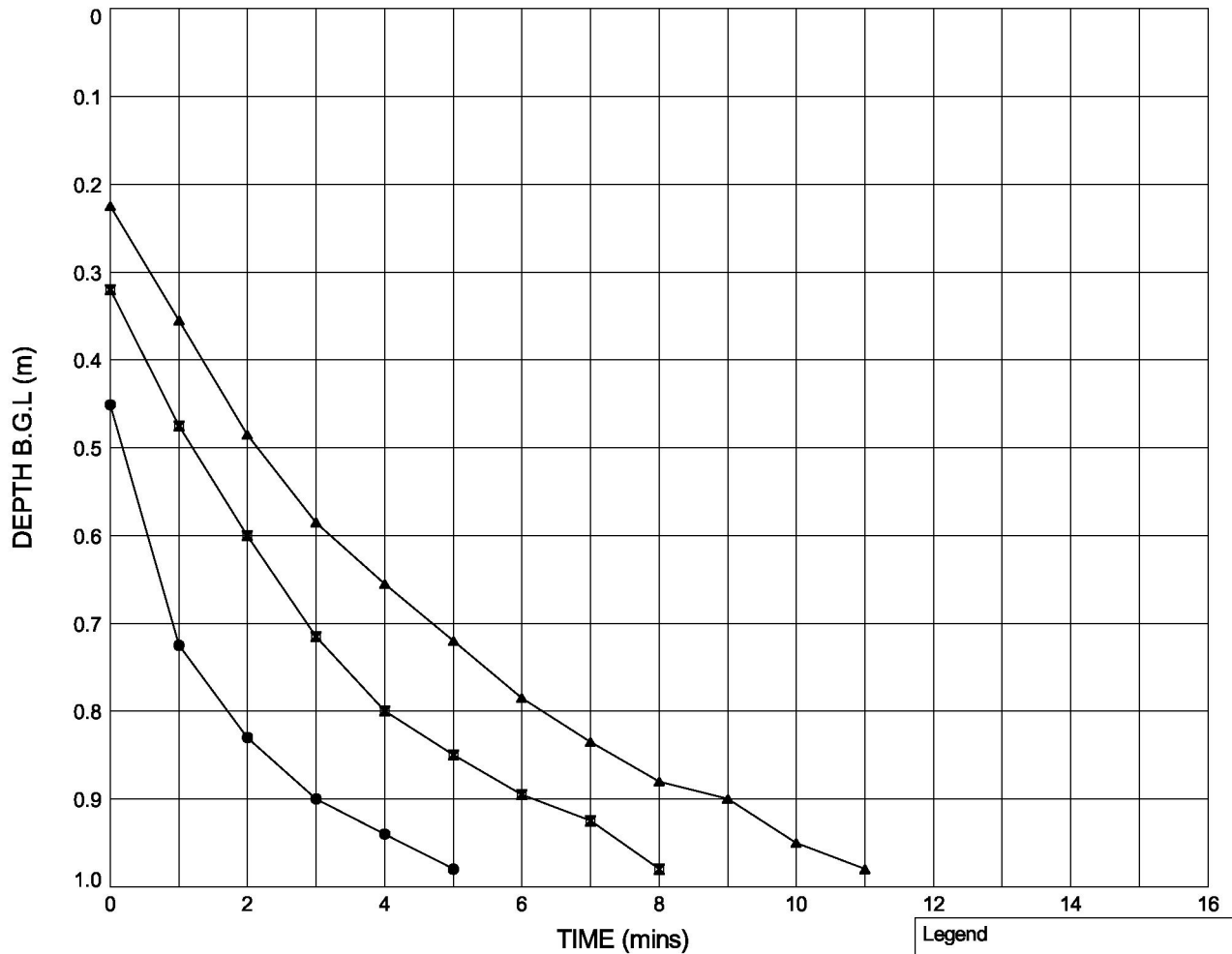
Compiled By	Date	Checked By	Date
[Redacted]	27/05/20	[Redacted]	03/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

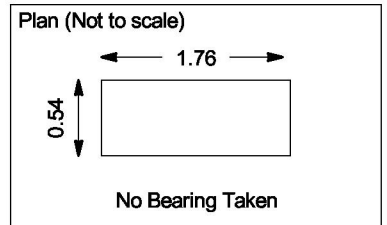
Soakaway Test - Position ID : **SA4**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.98	0.98	0.98	m
Pit final depth:	= 0.98	0.98	0.98	m
Effective depth, $D_e$	= 0.53	0.66	0.76	m
Effective storage volume, $V_{p75-25}$	= 0.2514	0.3136	0.3588	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.1671	2.4684	2.6869	m <sup>2</sup>
Time, $t_{p75-25}$	= 106	193	280	secs
Infiltration rate, $f$	= $1.09 \times 10^{-3}$	$6.58 \times 10^{-4}$	$4.77 \times 10^{-4}$	m/s

Legend		
●	Test 1	(21.05.20)
■	Test 2	(21.05.20)
▲	Test 3	(21.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

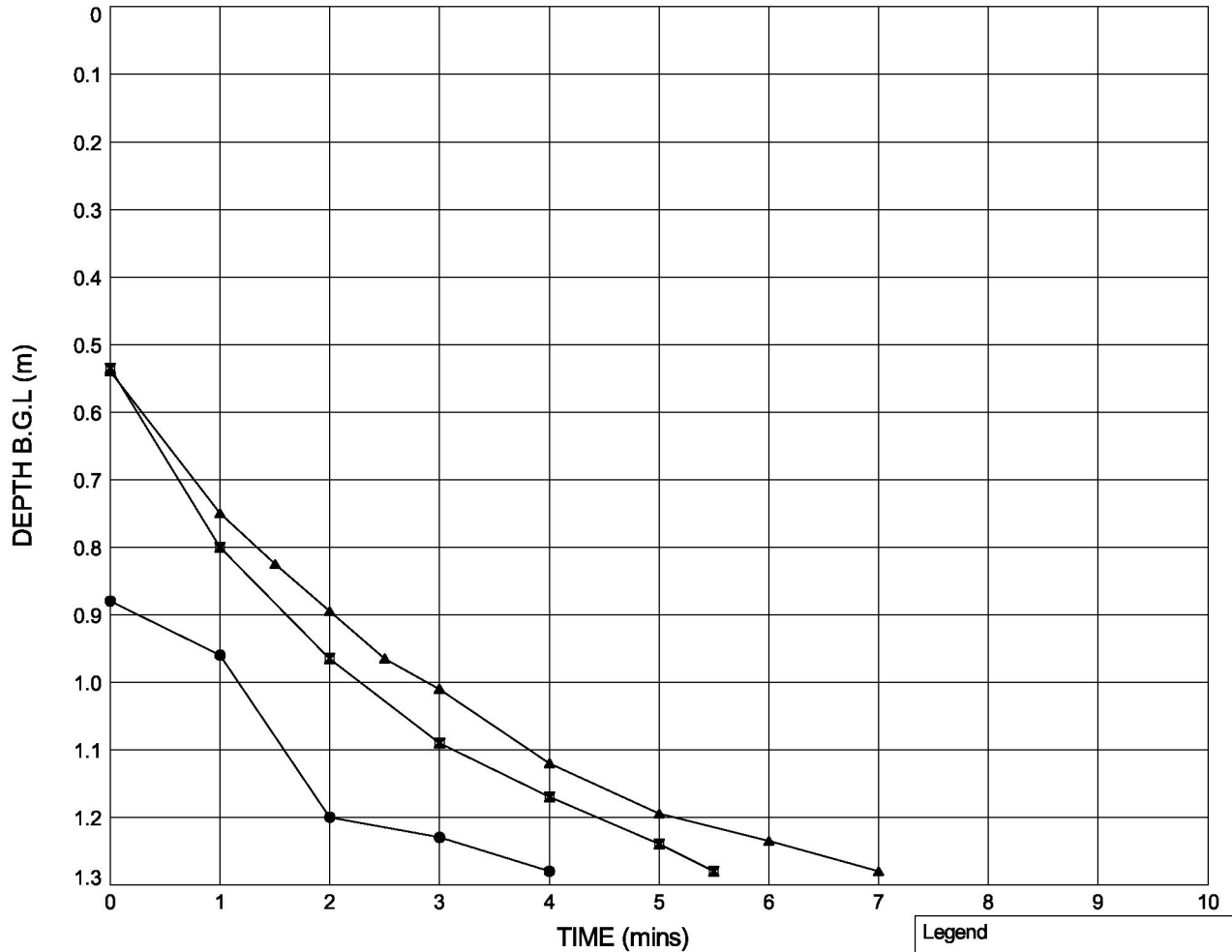
Compiled By	Date	Checked By	Date
[REDACTED]	01/06/20	[REDACTED]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : **SA5**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

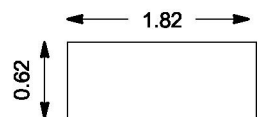


	Test 1	Test 2	Test 3	
Pit start depth:	= 1.28	1.28	1.28	m
Pit final depth:	= 1.28	1.28	1.28	m
Effective depth, $D_e$	= 0.40	0.75	0.74	m
Effective storage volume, $V_{p75-25}$	= 0.2257	0.4203	0.4175	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.1044	2.9462	2.9340	m <sup>2</sup>
Time, $t_{p75-25}$	= 50	141	173	secs
Infiltration rate, $f$	= $2.14 \times 10^{-3}$	$1.01 \times 10^{-3}$	$8.23 \times 10^{-4}$	m/s

### Legend

- Test 1 (21.05.20)
- Test 2 (21.05.20)
- ▲ Test 3 (21.05.20)

### Plan (Not to scale)



No Bearing Taken



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By

Date

Checked By

Date

27/05/20

03/06/20

Contract

**Wykham Lane, Banbury**

Contract Ref:

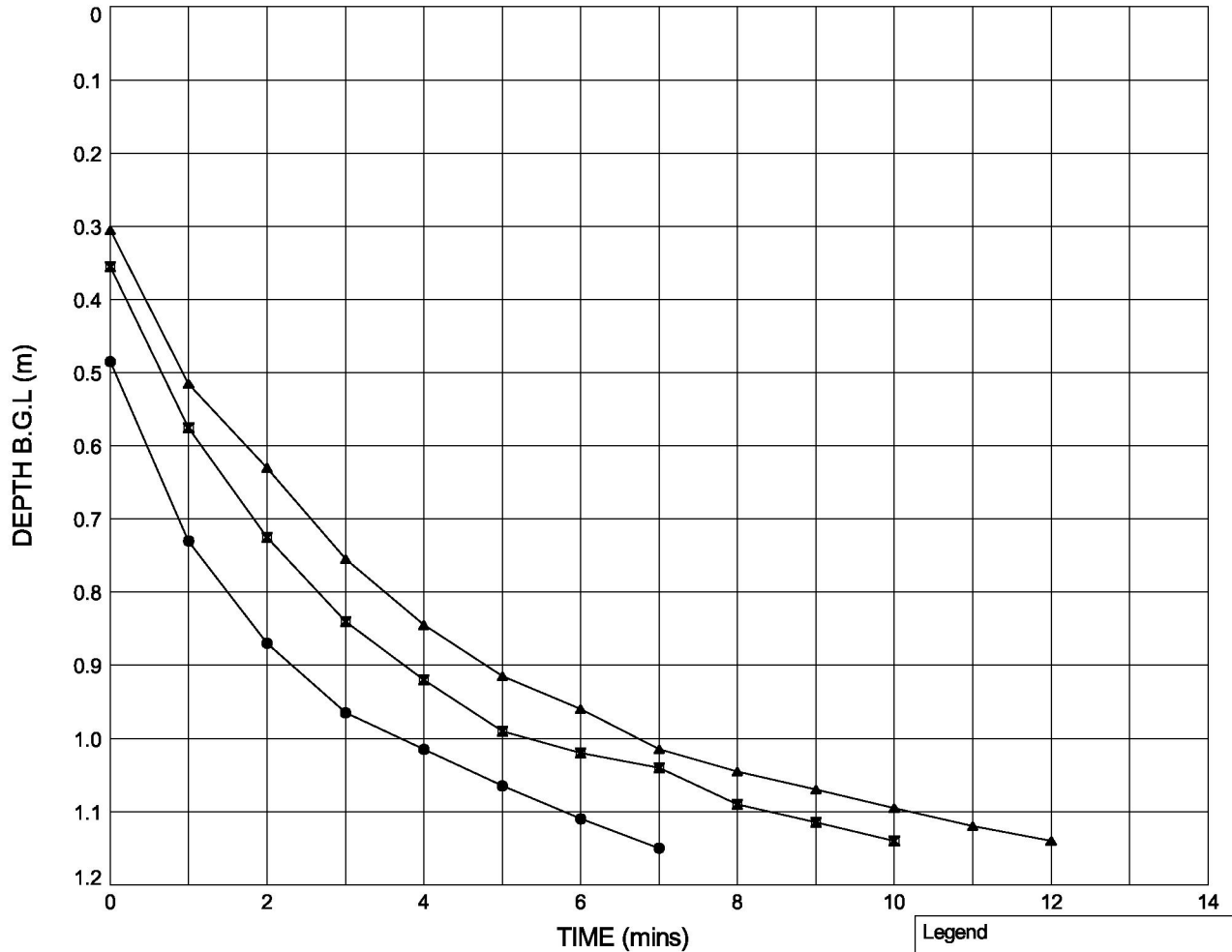
**749466**

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

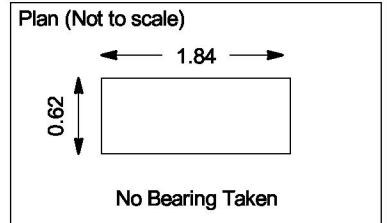
Soakaway Test - Position ID : **SA6**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.15	1.15	1.15	m
Pit final depth:	= 1.15	1.15	1.15	m
Effective depth, $D_e$	= 0.67	0.80	0.85	m
Effective storage volume, $V_{p75-25}$	= 0.3793	0.4535	0.4820	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.7767	3.0965	3.2195	m <sup>2</sup>
Time, $t_{p75-25}$	= 162	213	271	secs
Infiltration rate, $f$	= $8.43 \times 10^{-4}$	$6.88 \times 10^{-4}$	$5.52 \times 10^{-4}$	m/s

Legend		
●	Test 1	(21.05.20)
■	Test 2	(21.05.20)
▲	Test 3	(21.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By	Date	Checked By	Date
[REDACTED]	27/05/20	[REDACTED]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

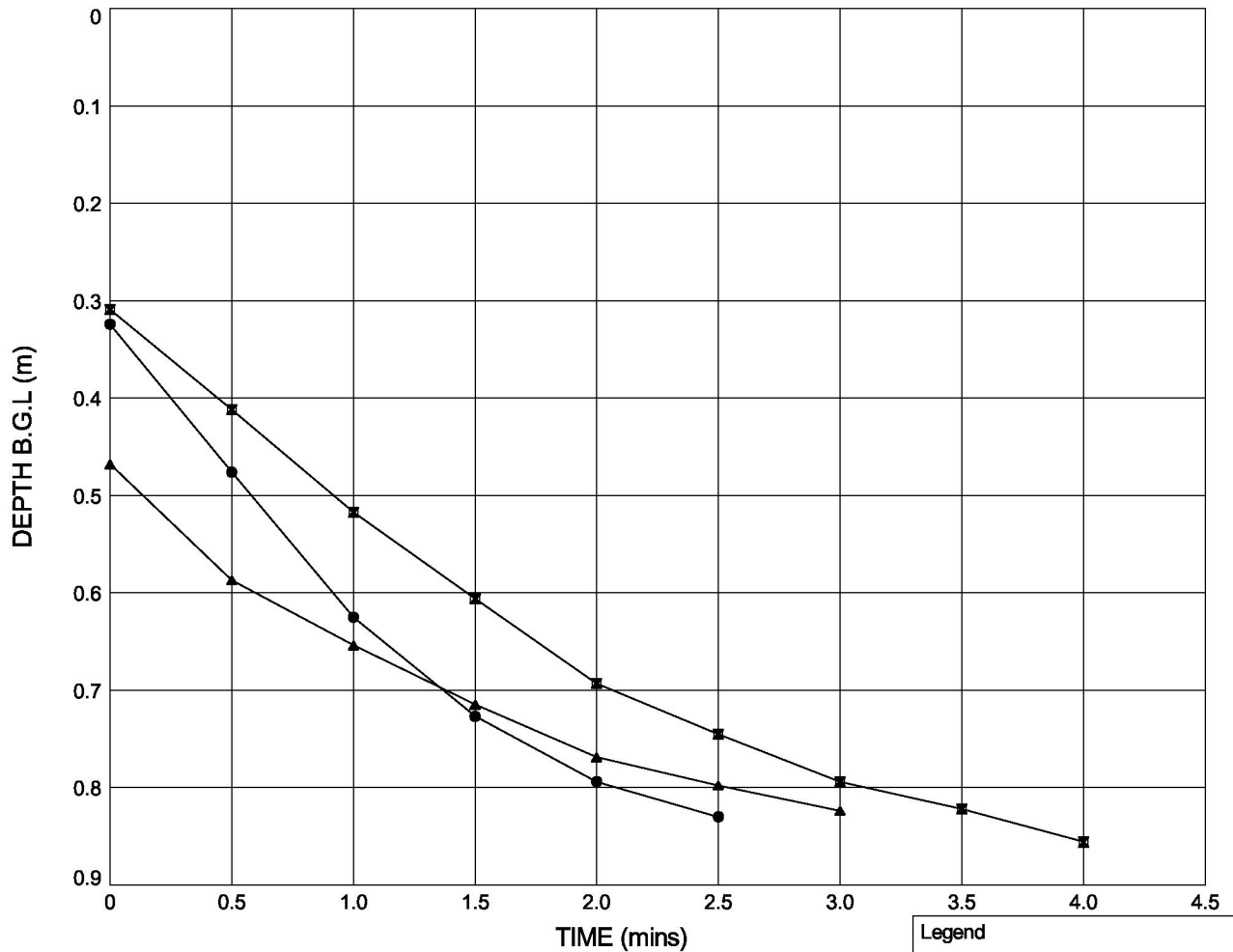


# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

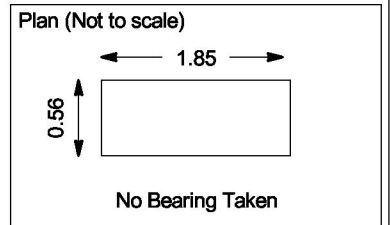
Soakaway Test - Position ID : SA11

## Plot of Depth of Water Below Ground Level Against Time



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.86	0.87	0.87	m
Pit final depth:	= 0.87	0.87	0.87	m
Effective depth, $D_e$	= 0.54	0.56	0.40	m
Effective storage volume, $V_{p75-25}$	= 0.2802	0.2880	0.2062	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.3398	2.3760	1.9952	m <sup>2</sup>
Time, $t_{p75-25}$	= 64	99	94	secs
Infiltration rate, $f$	= $1.87 \times 10^{-3}$	$1.22 \times 10^{-3}$	$1.10 \times 10^{-3}$	m/s

Legend		
●	Test 1	(22.05.20)
■	Test 2	(22.05.20)
▲	Test 3	(22.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

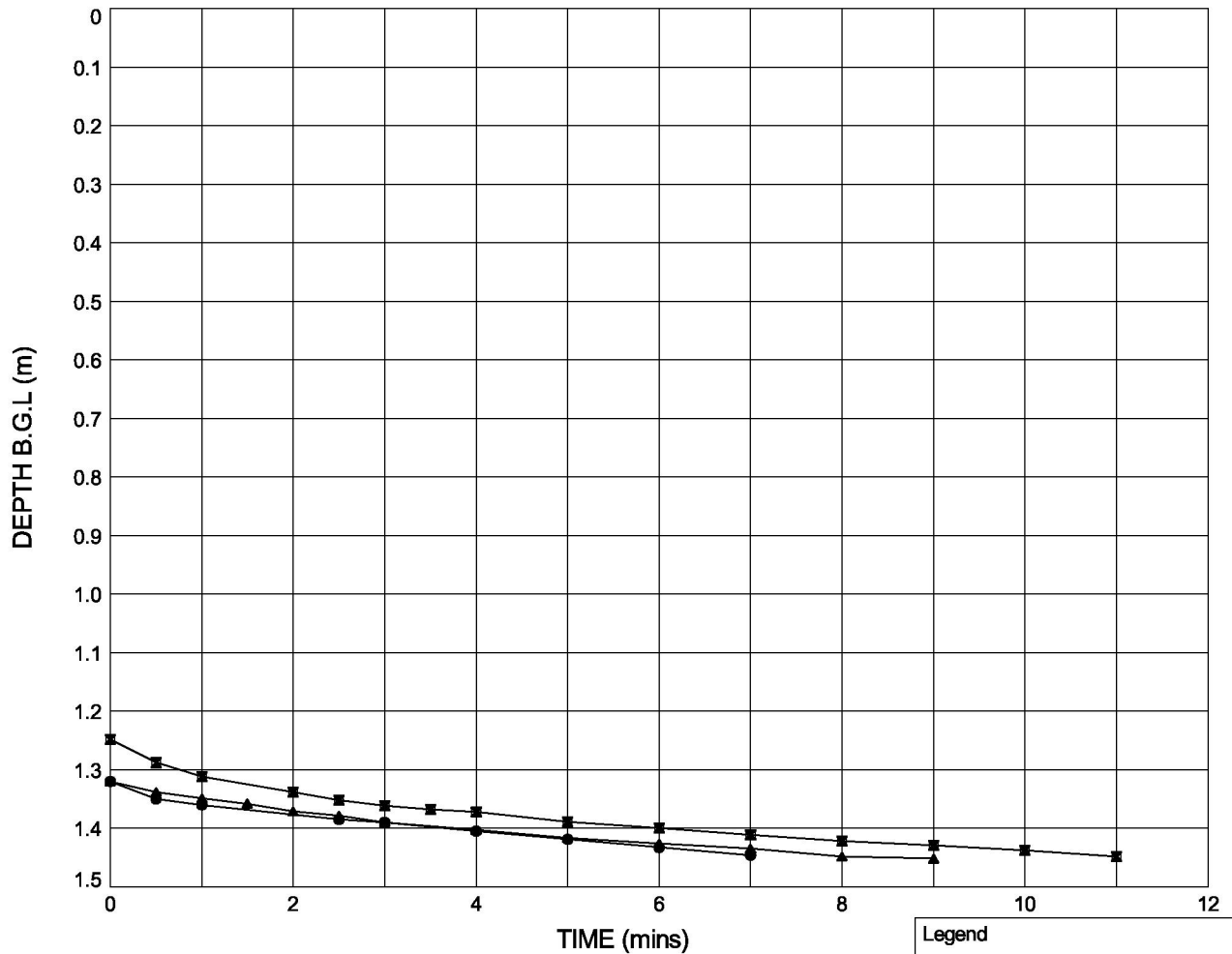
Compiled By	Date	Checked By	Date
[Redacted]	27/05/20	[Redacted]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

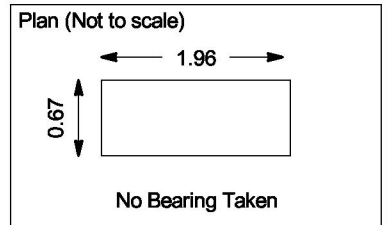
Soakaway Test - Position ID : SA12

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.45	1.46	1.45	m
Pit final depth:	= 1.46	1.45	1.46	m
Effective depth, $D_e$	= 0.14	0.20	0.14	m
Effective storage volume, $V_{p75-25}$	= 0.0906	0.1339	0.0886	$m^3$
Surface area, $a_{p50}$	= 1.6761	1.8497	1.6683	$m^2$
Time, $t_{p75-25}$	= 276	321	252	secs
Infiltration rate, $f$	= $1.96 \times 10^{-4}$	$2.26 \times 10^{-4}$	$2.11 \times 10^{-4}$	m/s

Legend		
●	Test 1	(28.05.20)
■	Test 2	(28.05.20)
▲	Test 3	(28.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

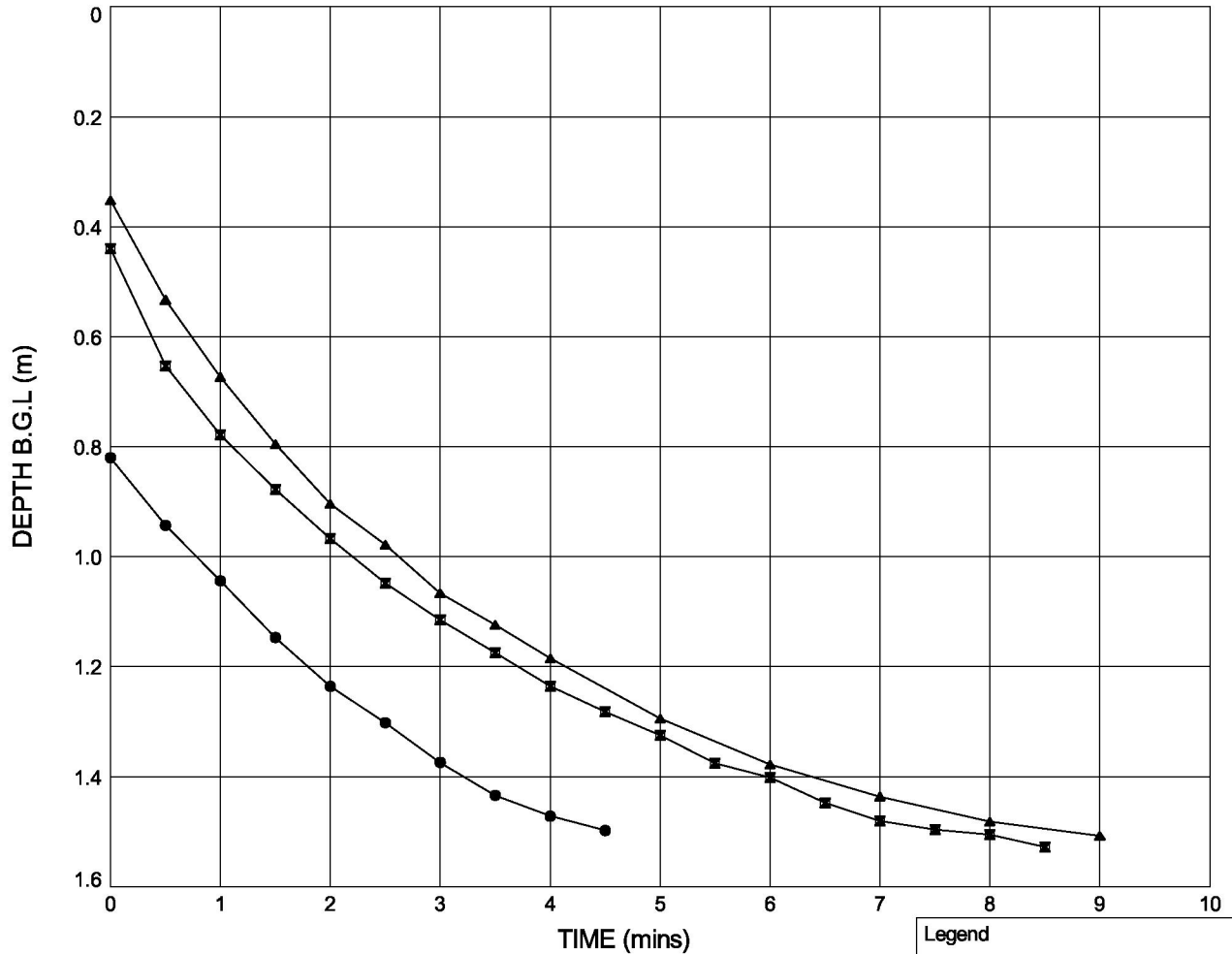
Compiled By	Date	Checked By	Date
[REDACTED]	05/06/20	[REDACTED]	09/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

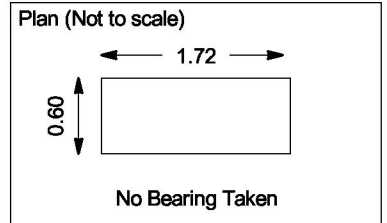
Soakaway Test - Position ID : SA13

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.52	1.53	1.53	m
Pit final depth:	= 1.53	1.53	1.53	m
Effective depth, $D_e$	= 0.71	1.09	1.18	m
Effective storage volume, $V_{p75-25}$	= 0.3674	0.5614	0.6068	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.6838	3.5562	3.7603	m <sup>2</sup>
Time, $t_{p75-25}$	= 126	209	213	secs
Infiltration rate, $f$	= $1.09 \times 10^{-3}$	$7.55 \times 10^{-4}$	$7.58 \times 10^{-4}$	m/s

Legend		
●	Test 1	(28.05.20)
■	Test 2	(28.05.20)
▲	Test 3	(28.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

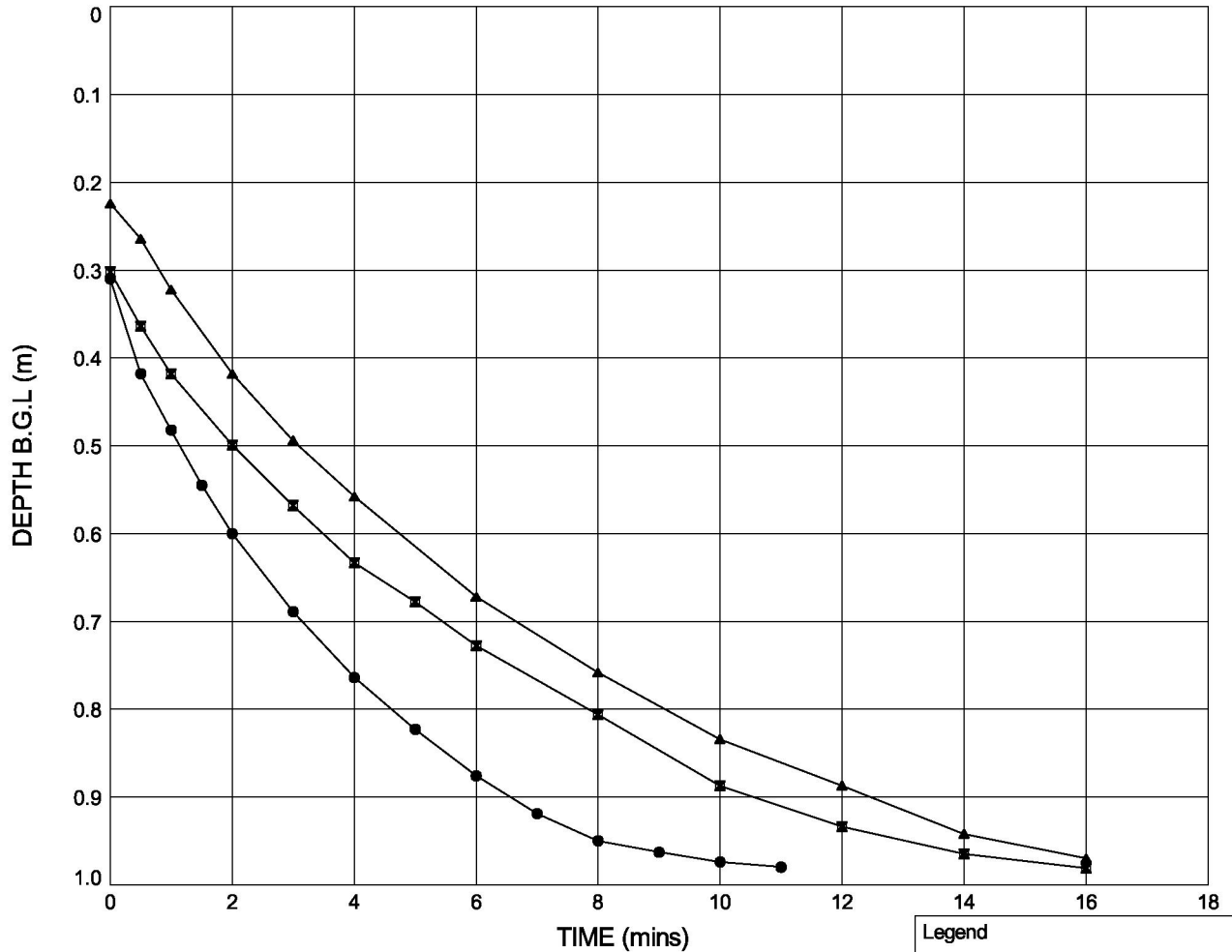
Compiled By	Date	Checked By	Date
[Redacted]	01/06/20	[Redacted]	03/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : SA14

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

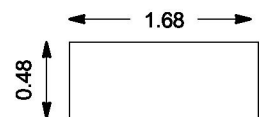


	Test 1	Test 2	Test 3	
Pit start depth:	= 0.98	0.99	0.99	m
Pit final depth:	= 0.99	0.99	0.99	m
Effective depth, $D_e$	= 0.68	0.69	0.76	m
Effective storage volume, $V_{p75-25}$	= 0.2730	0.2774	0.3080	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.2687	2.2925	2.4556	m <sup>2</sup>
Time, $t_{p75-25}$	= 236	397	424	secs
Infiltration rate, $f$	= $5.10 \times 10^{-4}$	$3.05 \times 10^{-4}$	$2.96 \times 10^{-4}$	m/s

### Legend

- Test 1 (29.05.20)
- Test 2 (29.05.20)
- ▲ Test 3 (29.05.20)

### Plan (Not to scale)



No Bearing Taken



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By

Date

Checked By

Date

09/06/20

09/06/20

Contract

**Wykham Lane, Banbury**

Contract Ref:

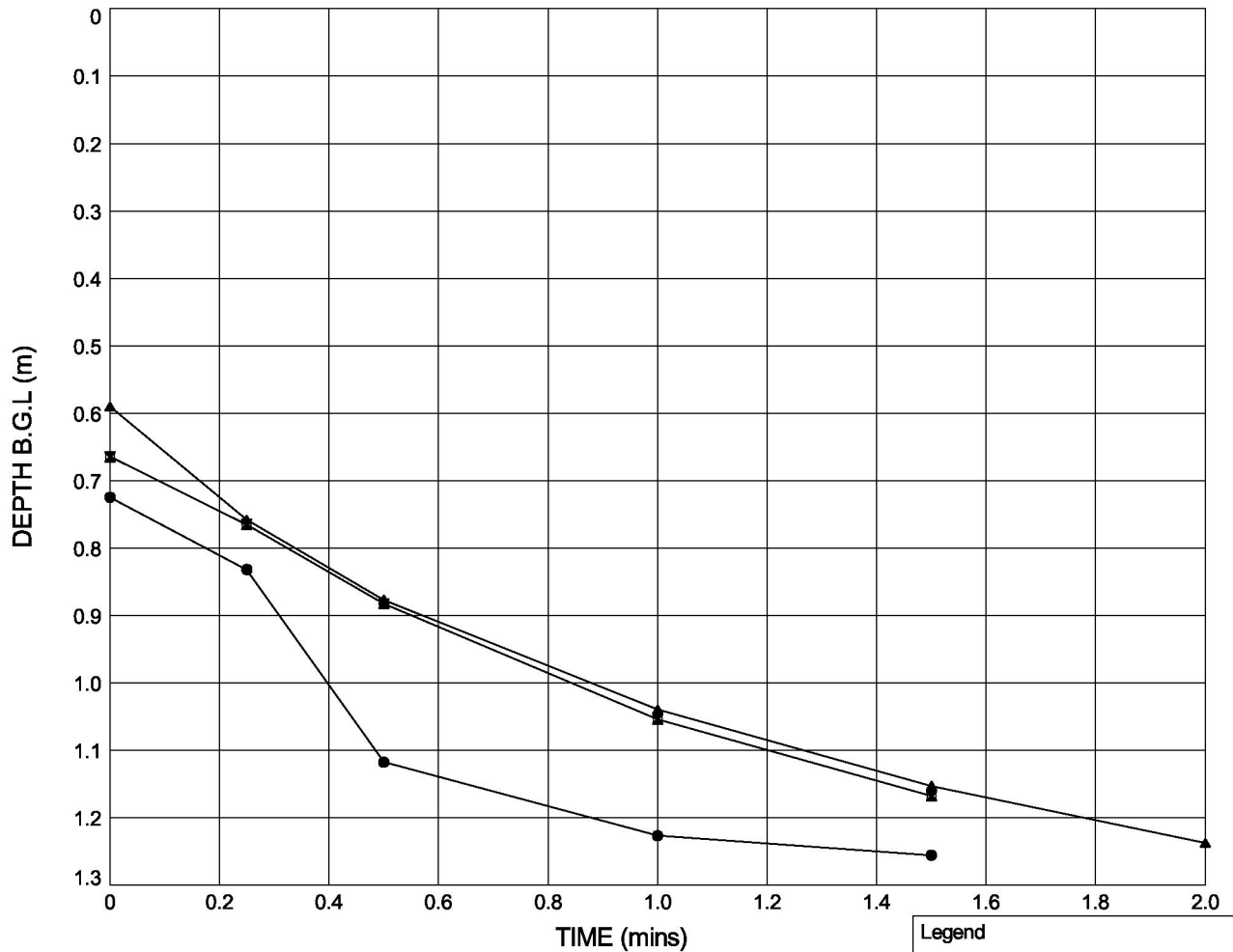
**749466**

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

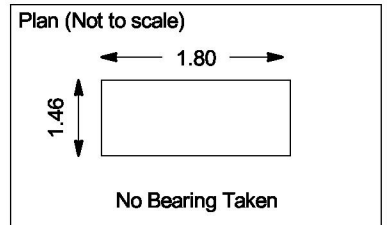
Soakaway Test - Position ID : SA15

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.26	1.26	1.26	m
Pit final depth:	= 1.26	1.26	1.26	m
Effective depth, $D_e$	= 0.54	0.60	0.67	m
Effective storage volume, $V_{p75-25}$	= 0.2214	0.2462	0.8773	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.0361	2.1716	4.8036	m <sup>2</sup>
Time, $t_{p75-25}$	= 16	54	59	secs
Infiltration rate, $f$	= $6.80 \times 10^{-3}$	$2.10 \times 10^{-3}$	$3.10 \times 10^{-3}$	m/s

Legend		
●	Test 1	(29.05.20)
■	Test 2	(29.05.20)
▲	Test 3	(29.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

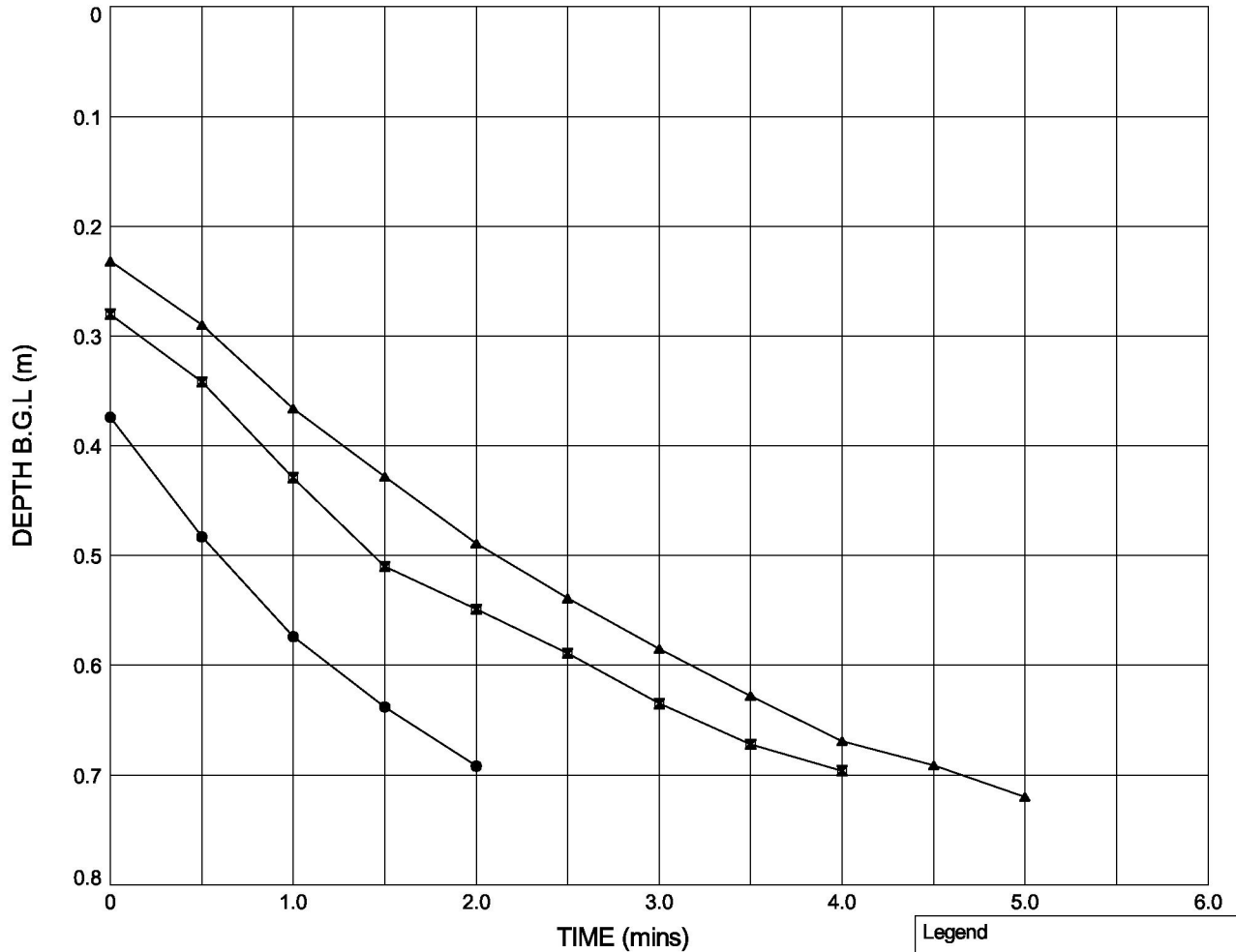
Compiled By	Date	Checked By	Date
[Redacted]	09/06/20	[Redacted]	09/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

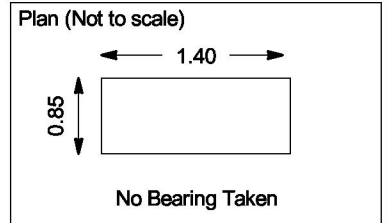
Soakaway Test - Position ID : **SUD1**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.73	0.72	0.72	m
Pit final depth:	= 0.72	0.72	0.72	m
Effective depth, $D_e$	= 0.35	0.44	0.49	m
Effective storage volume, $V_{p75-25}$	= 0.2059	0.2636	0.2916	m <sup>3</sup>
Surface area, $a_{p50}$	= 1.9685	2.1868	2.2925	m <sup>2</sup>
Time, $t_{p75-25}$	= 64	118	135	secs
Infiltration rate, $f$	= $1.63 \times 10^{-3}$	$1.02 \times 10^{-3}$	$9.42 \times 10^{-4}$	m/s

Legend		
●	Test 1	(22.06.20)
■	Test 2	(22.06.20)
▲	Test 3	(22.06.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

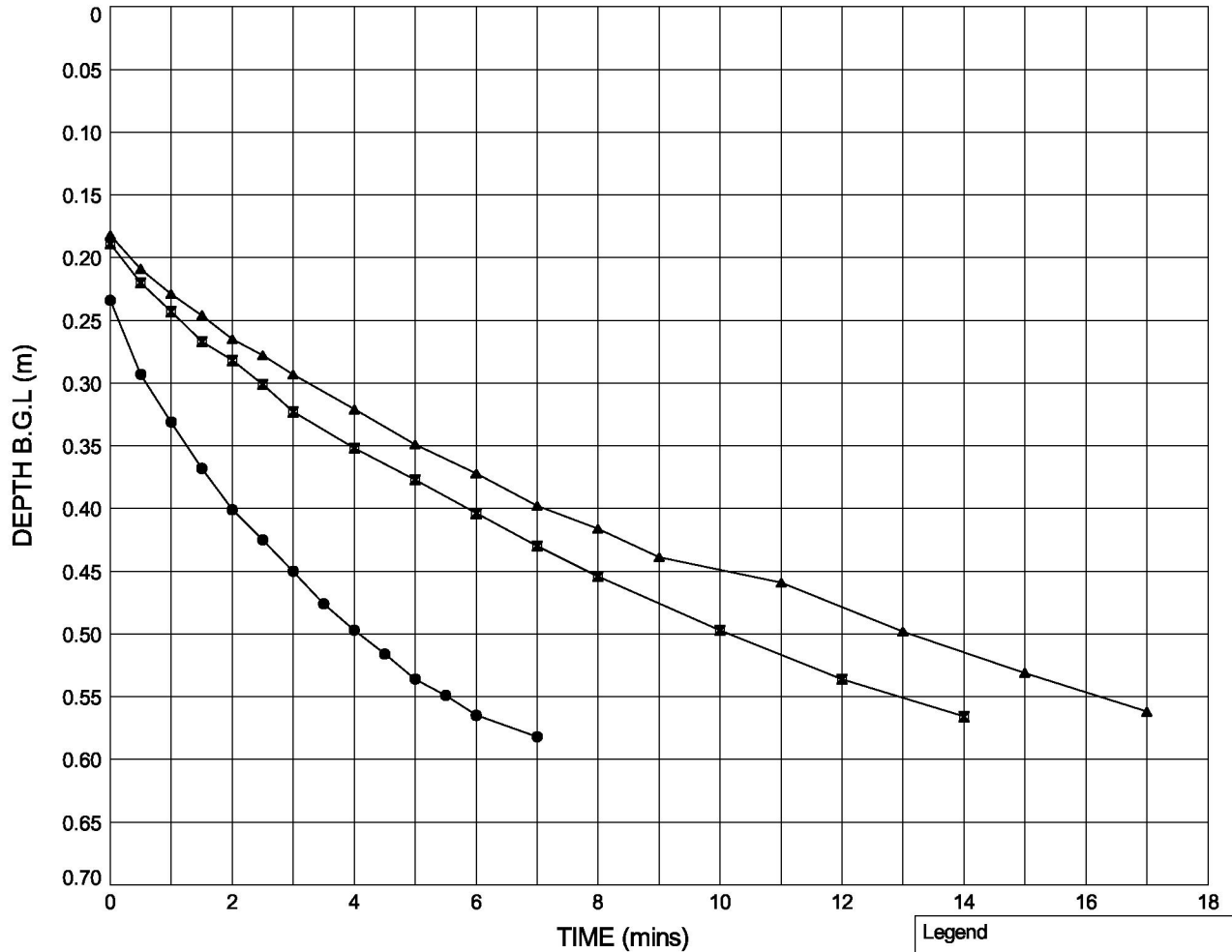
Compiled By	Date	Checked By	Date
[REDACTED]	24/06/20	[REDACTED]	24/06/20
Contract <b>Wykham Lane, Banbury</b>		Contract Ref: <b>749466</b>	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

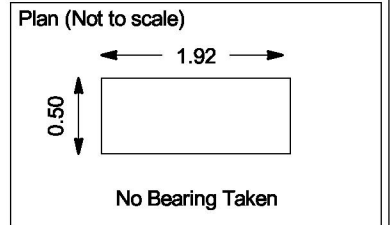
Soakaway Test - Position ID : **SUD2**

## Plot of Depth of Water Below Ground Level Against Time



	Test 1	Test 2	Test 3	
Pit start depth:	=	0.64	0.64	0.64 m
Pit final depth:	=	0.64	0.64	0.64 m
Effective depth, $D_e$	=	0.41	0.46	0.46 m
Effective storage volume, $V_{p75-25}$	=	0.1968	0.2203	0.2218 m <sup>3</sup>
Surface area, $a_{p50}$	=	1.9522	2.0708	2.0780 m <sup>2</sup>
Time, $t_{p75-25}$	=	249	558	701 secs
Infiltration rate, $f$	=	$4.05 \times 10^{-4}$	$1.91 \times 10^{-4}$	$1.52 \times 10^{-4}$ m/s

Legend		
●	Test 1	(27.05.20)
■	Test 2	(27.05.20)
▲	Test 3	(27.05.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By	Date	Checked By	Date
[Redacted]	03/06/20	[Redacted]	03/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

# FULL SCALE SOAKAWAY TEST

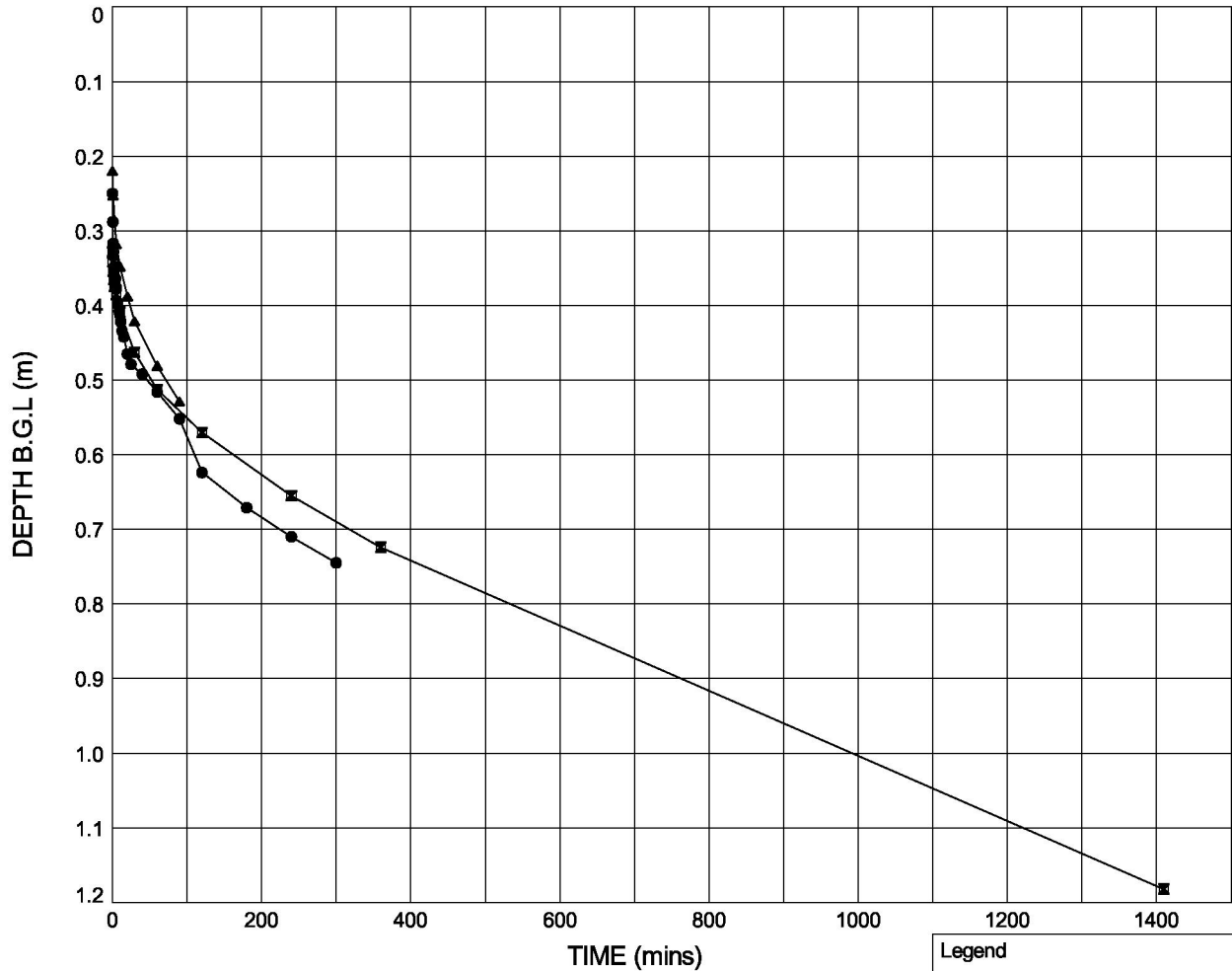
In accordance with BRE Digest 365

Soakaway Test - Position ID : **SUD3**

Ground Level (m AOD): **119.67**

National Grid Co-ordinates: **E:445617.2 N:238241.6**

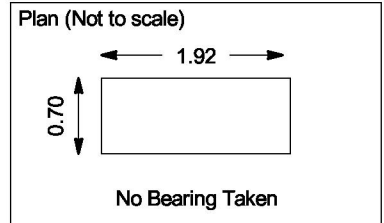
## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.21	1.21	1.21	m
Pit final depth:	= 1.20	1.20	1.20	m
Effective depth, $D_e$	= 0.96	0.97	1.00	m
Effective storage volume, $V_{p75-25}$	= 0.6458	0.6498	0.6720	m <sup>3</sup>
Surface area, $a_{p50}$	= 3.8618	3.8775	3.9640	m <sup>2</sup>
Time, $t_{p75-25}$	= 13590	59706	43115	secs
Infiltration rate, $f$	= $1.23 \times 10^{-5}$	$2.81 \times 10^{-6}$	$3.93 \times 10^{-6}$	m/s

Please note test data was extrapolated to obtain  $t_{p75-tp25}$ . Notes: Test 1 - TP dry at end of testing (8:15am on 28/05/202)

Legend		
●	Test 1	(27.05.20)
■	Test 2	(28.05.20)
▲	Test 3	(29.05.20)



<b>RSK</b> RSK Environment Ltd Abbey Park Humber Road Coventry CV3 4AQ	Compiled By	Date	Checked By	Date
	[REDACTED]	29/06/20		29/06/20
	Contract <b>White Post Road, Bodicote</b>		Contract Ref: <b>252380</b>	

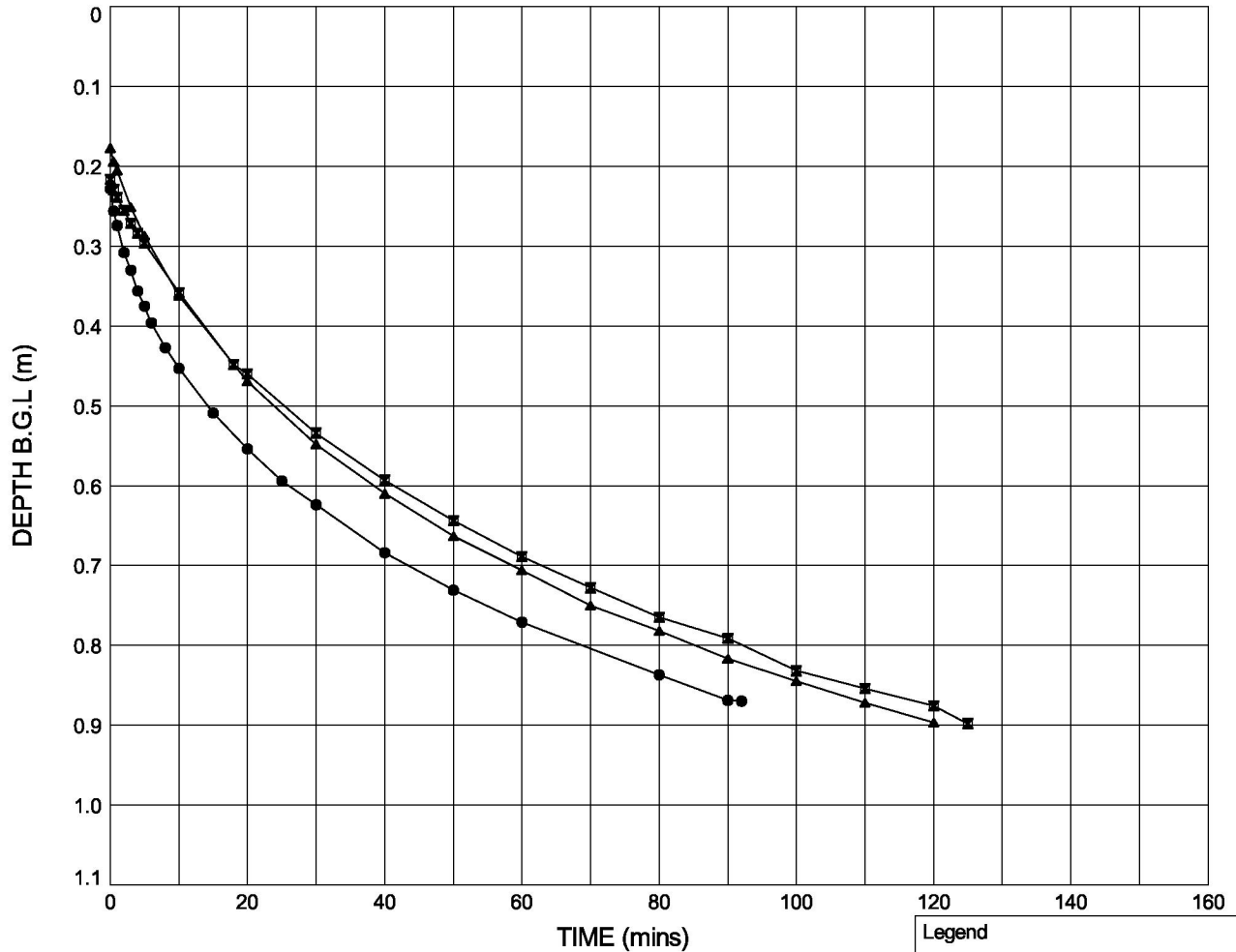


# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : **SUD4**

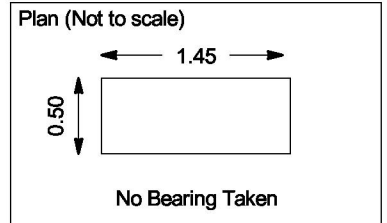
## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 1.08	1.13	1.12	m
Pit final depth:	= 1.13	1.12	1.10	m
Effective depth, $D_e$	= 0.90	0.91	0.92	m
Effective storage volume, $V_{p75-25}$	= 0.3252	0.3281	0.3339	m <sup>3</sup>
Surface area, $a_{p50}$	= 2.4742	2.4898	2.5210	m <sup>2</sup>
Time, $t_{p75-25}$	= 8613	6407	5652	secs
Infiltration rate, $f$	= $1.53 \times 10^{-5}$	$2.06 \times 10^{-5}$	$2.34 \times 10^{-5}$	m/s

Please note test data was extrapolated to obtain  $t_{p75-tp25}$ .

Legend		
●	Test 1	(22.06.20)
■	Test 2	(22.06.20)
▲	Test 3	(23.06.20)



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By	Date	Checked By	Date
[REDACTED]	29/06/20	[REDACTED]	29/06/20
Contract		Contract Ref:	
Wykham Lane, Banbury		749466	

# FULL SCALE SOAKAWAY TEST

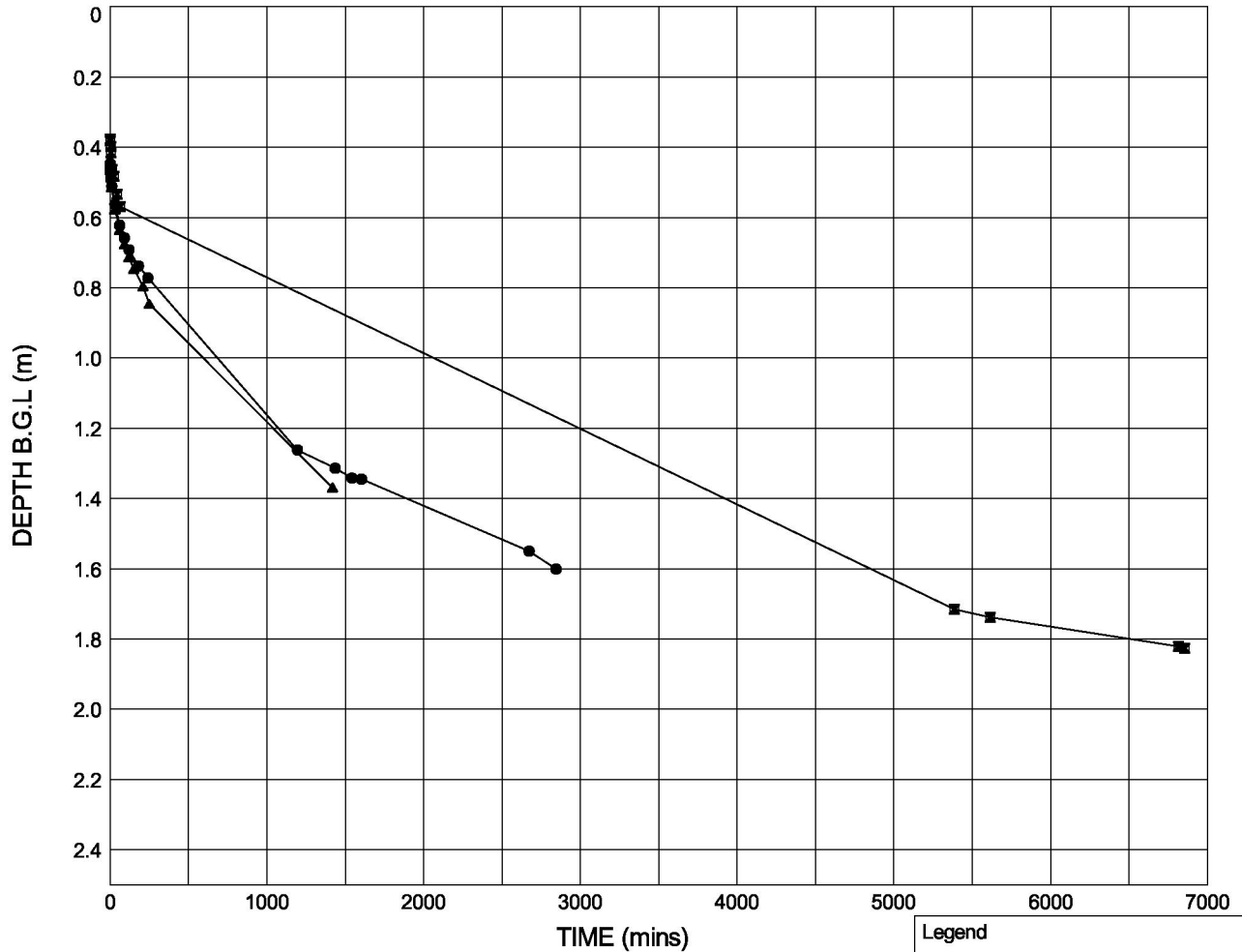
In accordance with BRE Digest 365

Soakaway Test - Position ID : **SUD4b**

Ground Level (m AOD): **118.33**

National Grid Co-ordinates: **E:445677.4 N:238321.6**

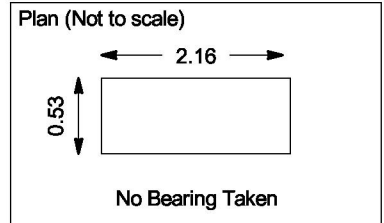
## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME



	Test 1	Test 2	Test 3	
Pit start depth:	= 0.00	0.00	0.00	m
Pit final depth:	= 2.60	2.60	2.60	m
Effective depth, $D_e$	= 2.04	2.11	2.05	m
Effective storage volume, $V_{p75-25}$	= 1.1240	1.1625	1.1585	m <sup>3</sup>
Surface area, $a_{p50}$	= 6.4857	6.6702	6.6200	m <sup>2</sup>
Time, $t_{p75-25}$	= 206804	634200	137212	secs
Infiltration rate, $f$	= $8.38 \times 10^{-7}$	$2.75 \times 10^{-7}$	$1.28 \times 10^{-6}$	m/s

Please note test data was extrapolated to obtain tp75-tp25. Notes: Test 2 - Soakaway filled to run over the weekend

Legend		
●	Test 1	(27.05.20)
⊠	Test 2	(28.05.20)
▲	Test 3	(02.06.20)



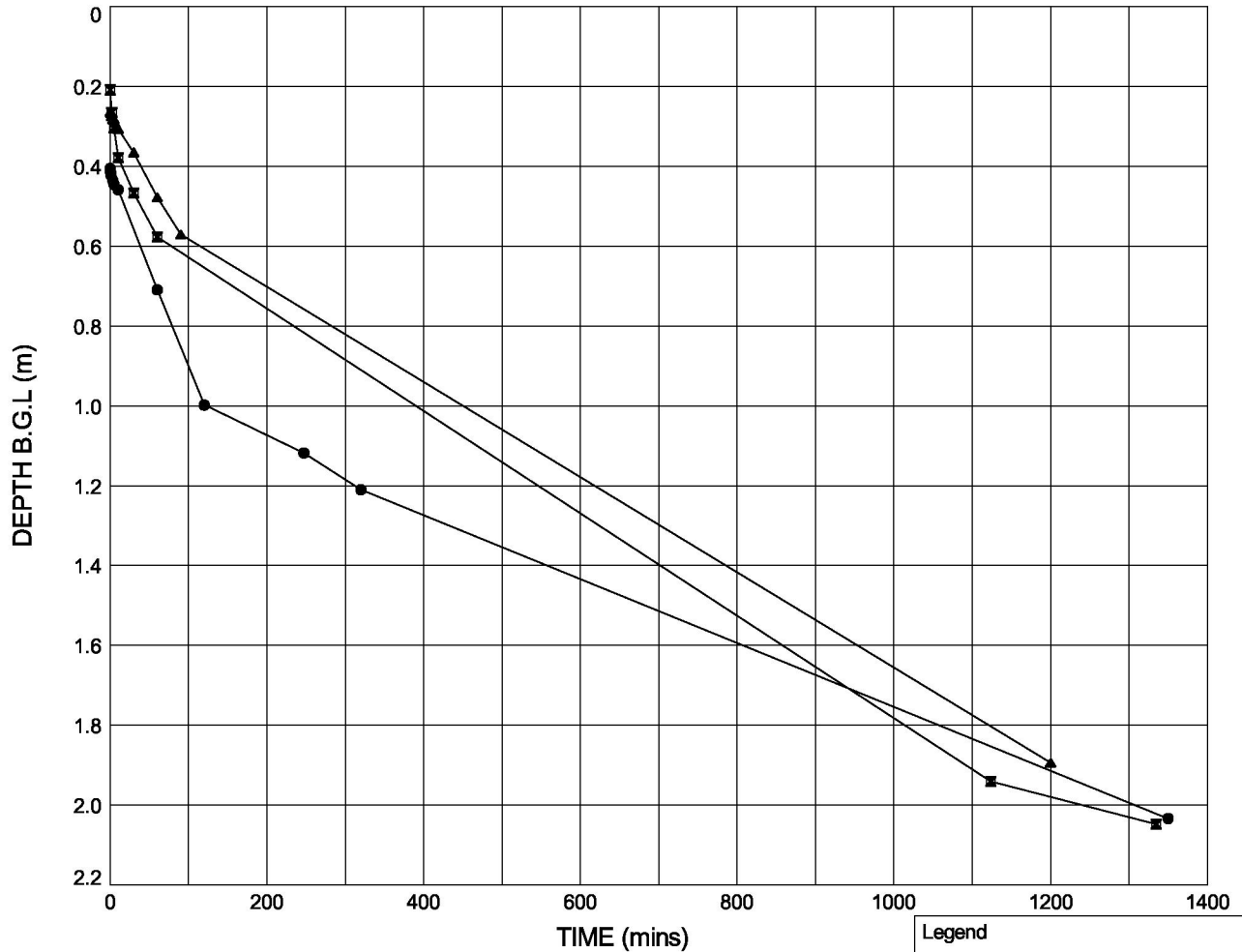
<b>RSK</b> RSK Environment Ltd Abbey Park Humber Road Coventry CV3 4AQ	Compiled By	Date	Checked By	Date
	[REDACTED]	29/06/20		29/06/20
	Contract		Contract Ref:	
	White Post Road, Bodicote		252380	

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : **SUD5**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

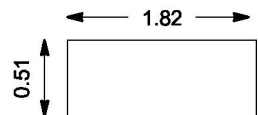


	Test 1	Test 2	Test 3	
Pit start depth:	= 2.19	2.19	2.18	m
Pit final depth:	= 2.19	2.18	2.18	m
Effective depth, $D_e$	= 1.79	1.97	1.92	m
Effective storage volume, $V_{p75-25}$	= 0.8284	0.9152	0.8897	m <sup>3</sup>
Surface area, $a_{p50}$	= 5.0873	5.5230	5.3948	m <sup>2</sup>
Time, $t_{p75-25}$	= 53859	46148	48214	secs
Infiltration rate, $f$	= $3.02 \times 10^{-6}$	$3.59 \times 10^{-6}$	$3.42 \times 10^{-6}$	m/s

### Legend

- Test 1 (28.05.20)
- Test 2 (28.05.20)
- ▲ Test 3 (28.05.20)

### Plan (Not to scale)



No Bearing Taken



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By

Date

Checked By

Date

09/06/20

09/06/20

Contract

Contract Ref:

**Wykham Lane, Banbury**

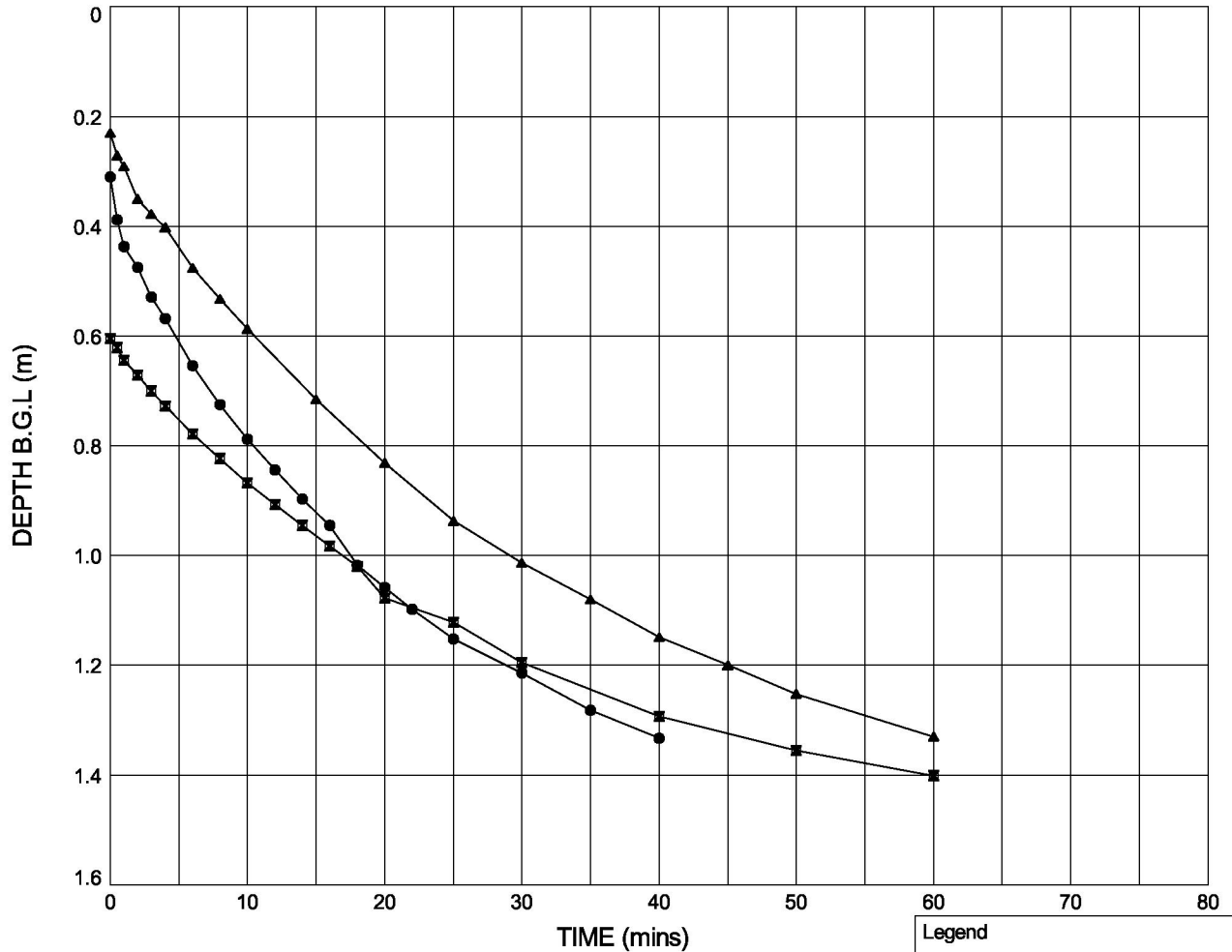
**749466**

# FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : **SUD6**

## PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

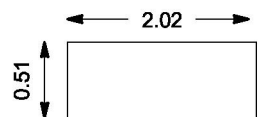


	Test 1	Test 2	Test 3	
Pit start depth:	= 1.60	1.57	1.54	m
Pit final depth:	= 1.57	1.54	1.54	m
Effective depth, $D_e$	= 1.26	0.94	1.31	m
Effective storage volume, $V_{p75-25}$	= 0.6511	0.4816	0.6748	m <sup>3</sup>
Surface area, $a_{p50}$	= 4.2281	3.3958	4.3445	m <sup>2</sup>
Time, $t_{p75-25}$	= 1673	2006	2236	secs
Infiltration rate, $f$	= $9.20 \times 10^{-5}$	$7.07 \times 10^{-5}$	$6.95 \times 10^{-5}$	m/s

### Legend

- Test 1 (28.05.20)
- Test 2 (28.05.20)
- ▲ Test 3 (28.05.20)

### Plan (Not to scale)



No Bearing Taken



**STRUCTURAL SOILS**  
1a Princess Street  
Bedminster  
Bristol  
BS3 4AG

Compiled By

Date

Checked By

Date

01/06/20

03/06/20

Contract

**Wykham Lane, Banbury**

Contract Ref:

**749466**