

Mr David Baker
Barwell Capitol Limited
17a Bridge House
Maybrook Street
Sutton Coldfield
B76 1AL

Dear David,

Re: Parcel 2 (Burial Ground), Crabtree Farm, Barwell – Soakaway Testing

The following report details the site works which were undertaken on Friday 24th June 2022 and presents the results of the site testing. Site location and exploratory hole location plans are included in **Appendix A**.

Three soakaway trial pits (SA01 - SA03) were excavated across the site. The works were intended to assist with soakaway drainage design.

In general, the exploratory holes identified topsoil over stiff reddish brown slightly gravelly sandy clay. These deposits were considered to be representative of natural glacial till deposits and were noted to extend to depths of at least 1.10mbgl. The topsoil was recorded to extend to depths of up to 0.20mbgl. Groundwater was not encountered during the excavation or soakaway testing.

In summary, insufficient drainage was recorded within all test pits and the shallow soils are considered to be unsuitable for soakaway drainage. Copies of the results of the soakaway testing are included in **Appendix B**, for reference. Based on the results, it is recommended that alternative drainage strategies are sought.

We trust that our letter report is sufficient for your requirements. However, should you have any further queries, please do not hesitate to contact us.

Yours Sincerely



Phil Devitt, BSc MSc MRICS
Director

Encl.

Appendix A – Site Figures

Appendix B – Soakaway Test Data

Appendix A

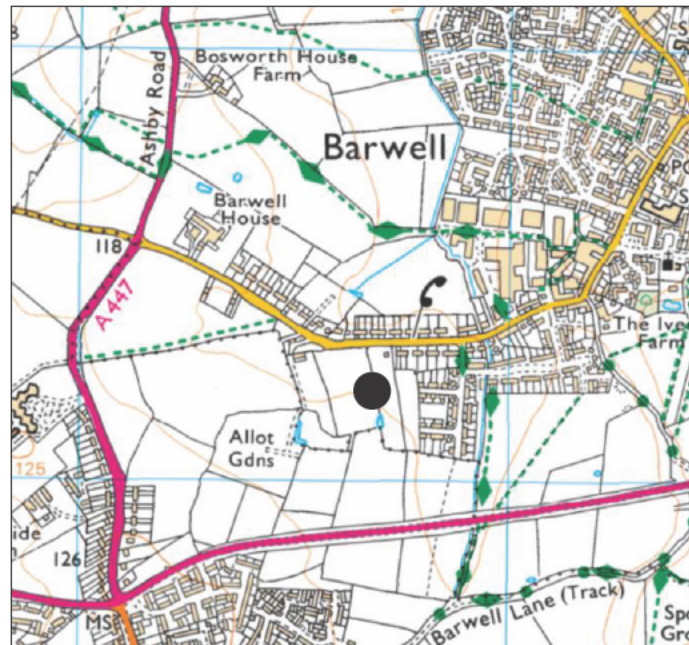




KEY:

● Approximate Site Location

DO NOT SCALE



TITLE:

Site Location Plan

PROJECT:

Crabtree Farm, Barwell

PROJECT No:

EAL.02.20

DATE:

07.2022

SCALE:

NTS

DRAWN:

PD

DWG No:

Figure 1



KEY:



Site Boundary

DO NOT SCALE



TITLE:

Proposed End Use Plan

PROJECT:

Crabtree Farm, Barwell

PROJECT No:

EAL.02.20

DATE:

07.2022

SCALE:

NTS

DRAWN:

PD

DWG No:

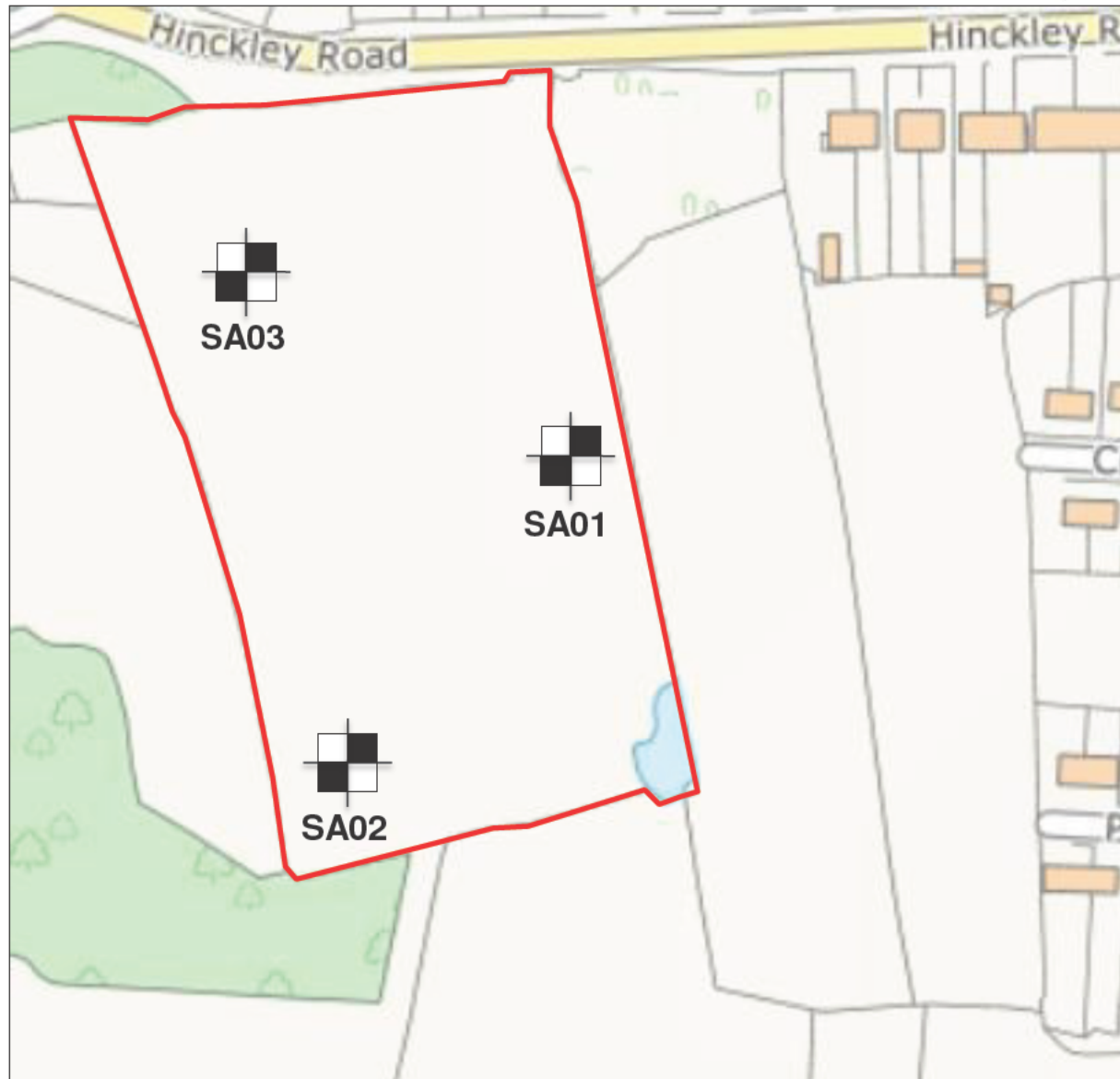
Figure 2



KEY:



Soakaway Test Position



DO NOT SCALE



TITLE:

Soakaway Testing Plan

PROJECT:

Crabtree Farm, Barwell

PROJECT No:

EAL.02.20

DATE:

07.2022

SCALE:

NTS

DRAWN:

PD

DWG No:

Figure 3

Appendix B



INSITU SOAKAWAY TEST RESULTS

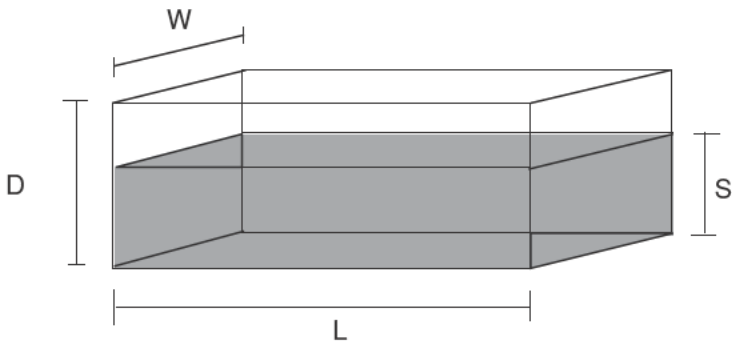
Trial Pit No.: SA02

Soil Profile:

Depth (m)		Description
From:	To:	
0.00	0.20	Topsoil.
0.20	1.00	Stiff reddish brown slightly gravelly sandy clay.

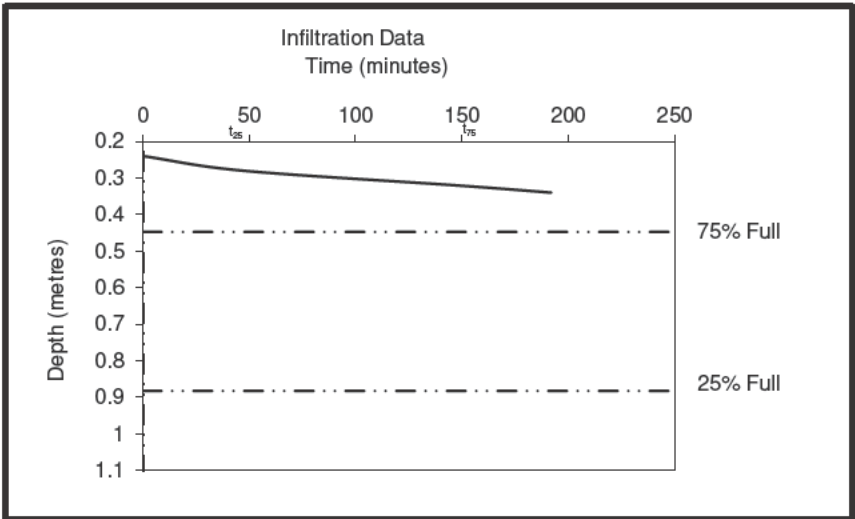
Sketch plan of test zone

Not to scale
All dimensions in metres.
D = Depth of test pit =
W = Width of test pit =
L = Length of test pit =
S= Storage depth (of water) =



Soakaway Test Run 1

Test Date: 24.06.22



Time (minutes)	Depth (m)
0	0.24
47	0.28
147	0.32
192	0.34

Notes:

Water did not sufficiently dissipate during test period. Therefore, the soils at this location are considered to be impermeable.

Test and analysis carried out in general accordance with BRE Digest 365 : 2007

Job No.: EAL.02.22
Site: Parcel 2 (Burial Ground), Crabtree Farm, Barwell
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INSITU SOAKAWAY TEST RESULTS

Trial Pit No.: SA03

Soil Profile:

Depth (m)		Description
From:	To:	
0.00	0.20	Topsoil.
0.20	1.10	Stiff reddish brown slightly gravelly sandy clay.

Sketch plan of test zone

Not to scale

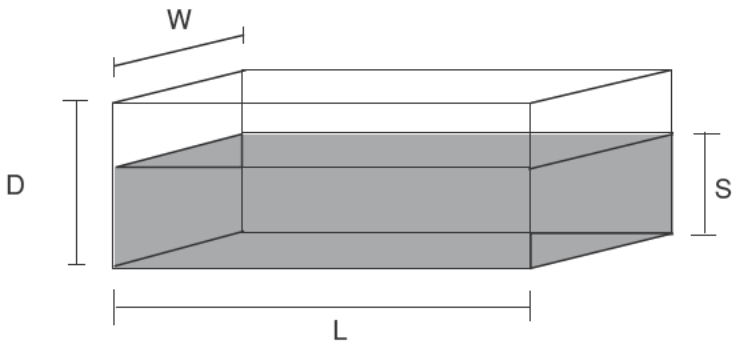
All dimensions in metres.

D = Depth of test pit =

W = Width of test pit =

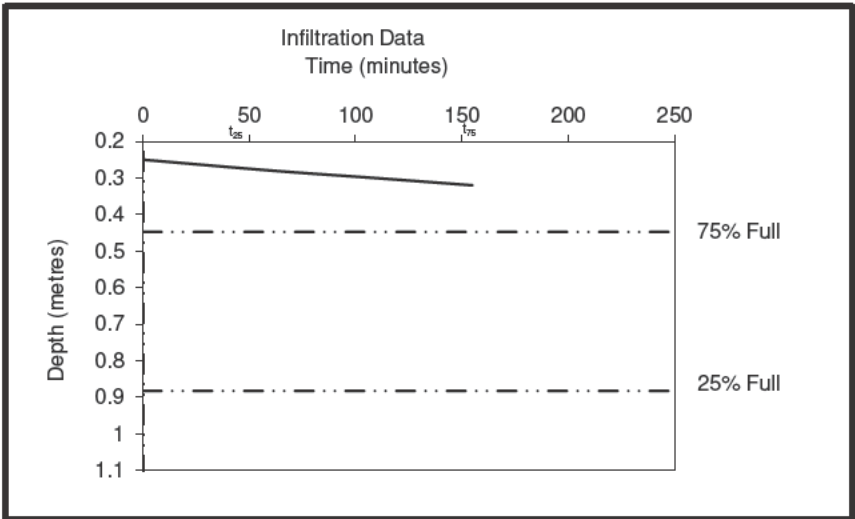
L = Length of test pit =

S= Storage depth (of water) =



Soakaway Test Run 1

Test Date: 24.06.22



Time (minutes)	Depth (m)
0	0.25
61	0.28
109	0.30
155	0.32

Notes:

Water did not sufficiently dissipate during test period. Therefore, the soils at this location are considered to be impermeable.

Test and analysis carried out in general accordance with BRE Digest 365 : 2007

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