

**BRE365 PERCOLATION TEST REPORT FOR SL03 -
LAND TO THE EAST OF NEW ROAD, MELKSHAM,
SN12 7QZ**

DOCUMENT NUMBER: C3748-R1-REV-A

Prepared by:



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1. INTRODUCTION

Nimbus Engineering Consultants Limited have been instructed to carry out a BRE365 Infiltration Test for Land to the East of New Road, Melksham, SN12 7QZ.

The BRE365 Infiltration Test was carried out on the 9th March 2026, in one trial pit.

The test was carried out to the BRE365 Digest, in order to calculate the infiltration rate for the proposed site, to treat and deal with the surface water run off produced by the proposed construction of 2 new build dwellings.

2. TRIAL PIT 1

A test pit of dimensions 300mm by 1000mm by 1000mm deep was excavated in a suitable location. The test pit location can be found in Appendix A.

The excavated ground was described as:

- Approximately 100mm of field grass and top soil
- Approximately 100mm of sub soil
- Approximately 500mm of green/yellow clay
- Approximately 300mm of blue clay

2.1 TEST ONE

The test was abandoned after 4.5 hours as the water level only dropped a total of 40mm, throughout the duration of the test.

2.2 TEST TWO

N/A

2.3 TEST THREE

N/A

2.4 INFILTRATION RESULTS

N/A



Figure 1 – Trial Pit 1

3 CONCLUSION

One trial pit was excavated at the site, in order to carry out a BRE365 Infiltration Test around the site.

The test sheets can be found within Appendix A.

The results show the unfeasibility of infiltration on site after the test was abandoned, due to the water only dropping a total of 40mm over a 4.5 hour period.

APPENDIX A – PERCOLATION LAYOUT PLAN

PERCOLATION TEST

Address: - Land to the East of New Road, Melksham, SN12 7QZ
Client name and contact number: Stuart Little [REDACTED]
Date and Time agreed to carry out test: 09-03-26
Completed by: Adam Lockett

Following questions to be completed:

	08.30
Weather Conditions	Dry all day
Ground Removed	0 – 0.1 Field grass and top soil 0.1 – 0.2 Subsoil 0.2 – 0.7 Green/yellow clay 0.7 – 1 Blue clay
Notes	While digging pit water backfilled to 18cm. Pit left to soak 270 minutes only dropping 40mm so test was cancelled

Photographs of the following must be included:

- The area prior to the pit being dug
- The test pit when empty
- The test pit when full
- During the test
- The area once the test has finished
- The area when the pit has been filled back in

Signed: _____

Name: Adam Lockett

Thank you - Nimbus Engineering Consultants Ltd.

CHECK SHEET

1. Please specify the size of the soak away that you are proposing to use:

Width (m) Length (m) Depth (m)

2. Please specify the area that is to be drained to the soak away

3. Please specify the size of the trial pit:

Width 0.30m Length 1m Depth 1m

4. Please specify the proposed invert level of the drain:

5. Below is a table for you to input the data (times) gathered from the Soil Infiltration Rate tests:

Test Number	75%	25%	25% - 75%
1	NA	NA	NA
2	NA	NA	NA
3	NA	NA	NA

*To be filled in when info arrives.

Key:

75%: The time taken in minutes for the water level to fall to 75% full.

25%: The time taken in minutes for the water level to fall to 25% full.

25% - 75%: The 25% time the 75% time. (This will give the time for the water level to fall from 75% full to 25% full).

Name: Adam Luckett

Signature

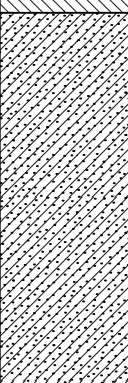
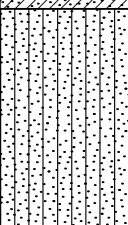


Date: 09.03.26

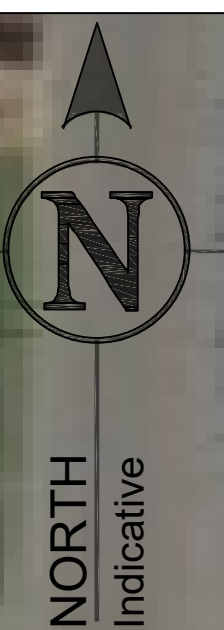
APPENDIX B – TRIAL PIT BOREHOLE LOG

PROJECT NUMBER C3748	TEST DATE 09/03/2026	LOGGED BY Mark Hamilton
PROJECT NAME Land to the East of New Road	BRE365 COMPANY Nimbus Engineering	CHECKED BY Sadia Lockett
CLIENT Mark Doodles Planning	SITE OPERATIVE Adam Lockett	
	METHOD OF EXCAVATION Manual Excavation	
	TOTAL DEPTH 1.0m	

COMMENTS

Depth (m)	Graphic Log	Material Description	Additional Observations
		FIELD GRASS & TOPSOIL	
		SUBSOIL	
0.5		GREEN/YELLOW CLAY	
1		BLUE CLAY	
1.5			

APPENDIX C – DRAWINGS



Trial Pit 01
BRE365 Infiltration Test
To be a minimum 0.3m x 1m in
width and length as per
BRE365 Digest Guidance
Depth to be 1.2m

NOT FOR CONSTRUCTION

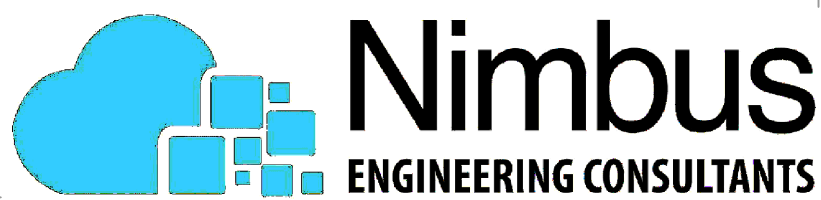
IMPORTANT
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REV	DATE	DRAWN	DESCRIPTION	CHECK	APPR.
A	12-03-26	M.HAM	For Information.	S.L	S.L

Land to the East of New Road, Melksham, SN12 7QZ

Trial Pit Location Plan

SL03



S.L	12-03-26	S.L	12-03-26
M.HAM	1:150	C3748-01	A
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