QUEENSBRIDGE FARM

BRE365 REPORT

Date March 2025

Version Final

Report prepared by: Henri Roberts

HT Drainage Consultancy Ltd

Llys Afan

Ffordd y Felin

Dolgellau

Gwynedd

LL40 1HU

www.HTDrainageConsultancy.com

This document has been prepared solely as a BRE365 Report for Mr Steven Heighway. HT Drainage Consultancy Ltd accepts no responsibility or liability for any use, which is made of this document other than by the client for the purposes for which it was originally commissioned and prepared.

The copyright for this document (including its electronic form) shall remain vested in HT Drainage Consultancy Ltd, but Mr Steven Heighway shall have a license to copy/reproduce and use the document for the purpose for which it was provided. HT Drainage Consultancy Ltd shall not be liable for the use by any person of this document for any purpose other than for which the same was provided by HT Drainage Consultancy Ltd. This document shall not be reproduced in whole or in part or relied upon by third parties for any use whatsoever without the express written authority of HT Drainage Consultancy Ltd 2025.

REVISION HISTORY

Revision Reference	Date Issued	Amendments	Issued to
Final	05/03/2025		Client

TABLE OF CONTENTS

1 Introduction 4
2 BRE365 Testing 4
2.1 Test Pit Locations 4
2.2 Tests 5
3 Conclusion 5
4 Appendices 5

1 INTRODUCTION

HT Drainage Consultancy Ltd have been commissioned to undertake BRE365 percolation testing at Queensbridge Farm, Overton, Wrexham, LL13 0LE.
The purpose of this report is to identify the viability of infiltration techniques on the above site..

2 BRE365 TESTING

2.1 TEST PIT LOCATIONS

The test pit locations is shown in Figure 1 below. The test pits were excavated at the following Ordnance Survey National Grid Reference (OS NGR):
Test pit 1 337154, 340181.
Test pit 2 337246, 340092.
Test pit 3 337298, 340101.

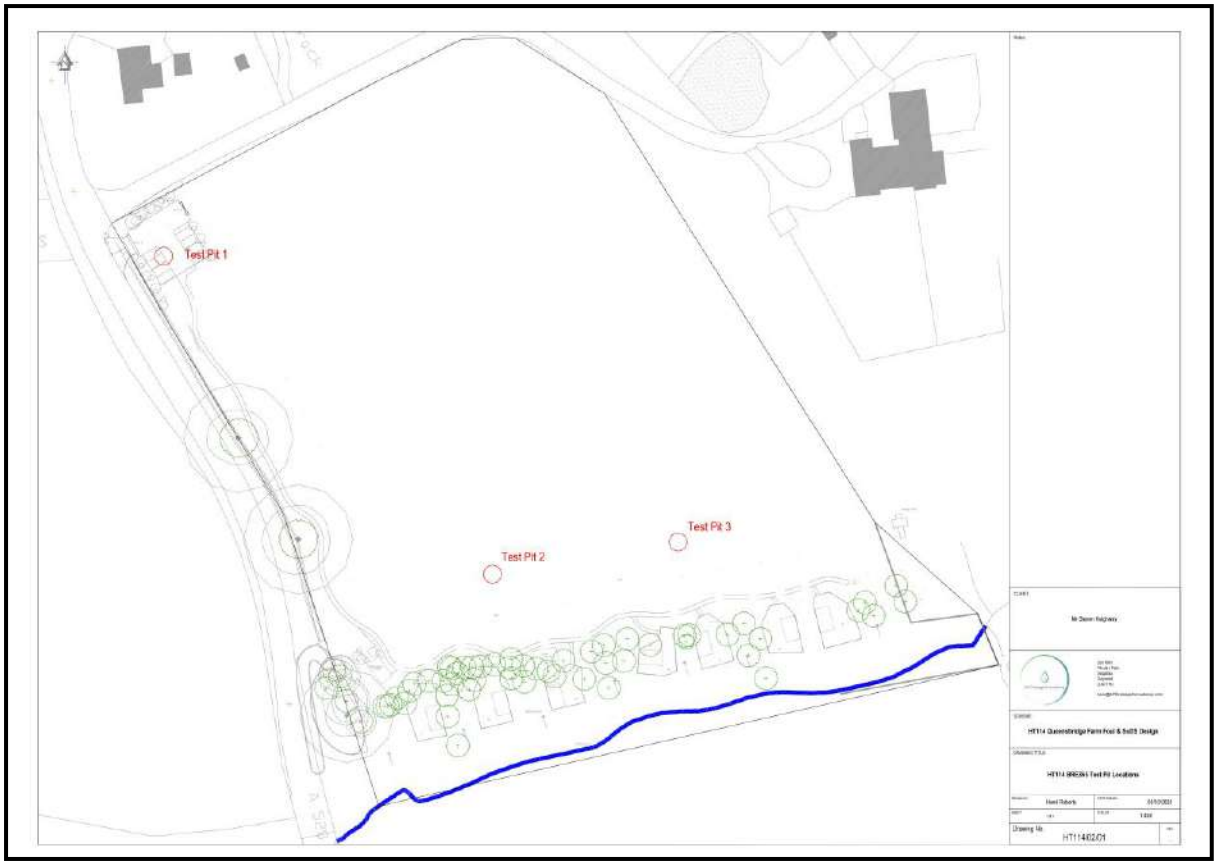


Figure 1: Test Pit Locations

2.2 TESTS

All 3 test pits were excavated to a depth of 1m. At this depth groundwater was encountered. All tests were abandoned after observing groundwater ingress over the course of 30 minutes.

3 CONCLUSION

All test pits failed due to the presence of groundwater at a depth of 1m. Percolation has been discounted for this site due to the failed tests. Percolation has been further discounted as the soil was dense clay from ground level to the extent of each trial pit.

4 APPENDICES

Appendix A: Test Pit Photos

Appendix B: Test Pit Logs (Not Required)

Appendix C: Infiltration Calculations (Not Required)

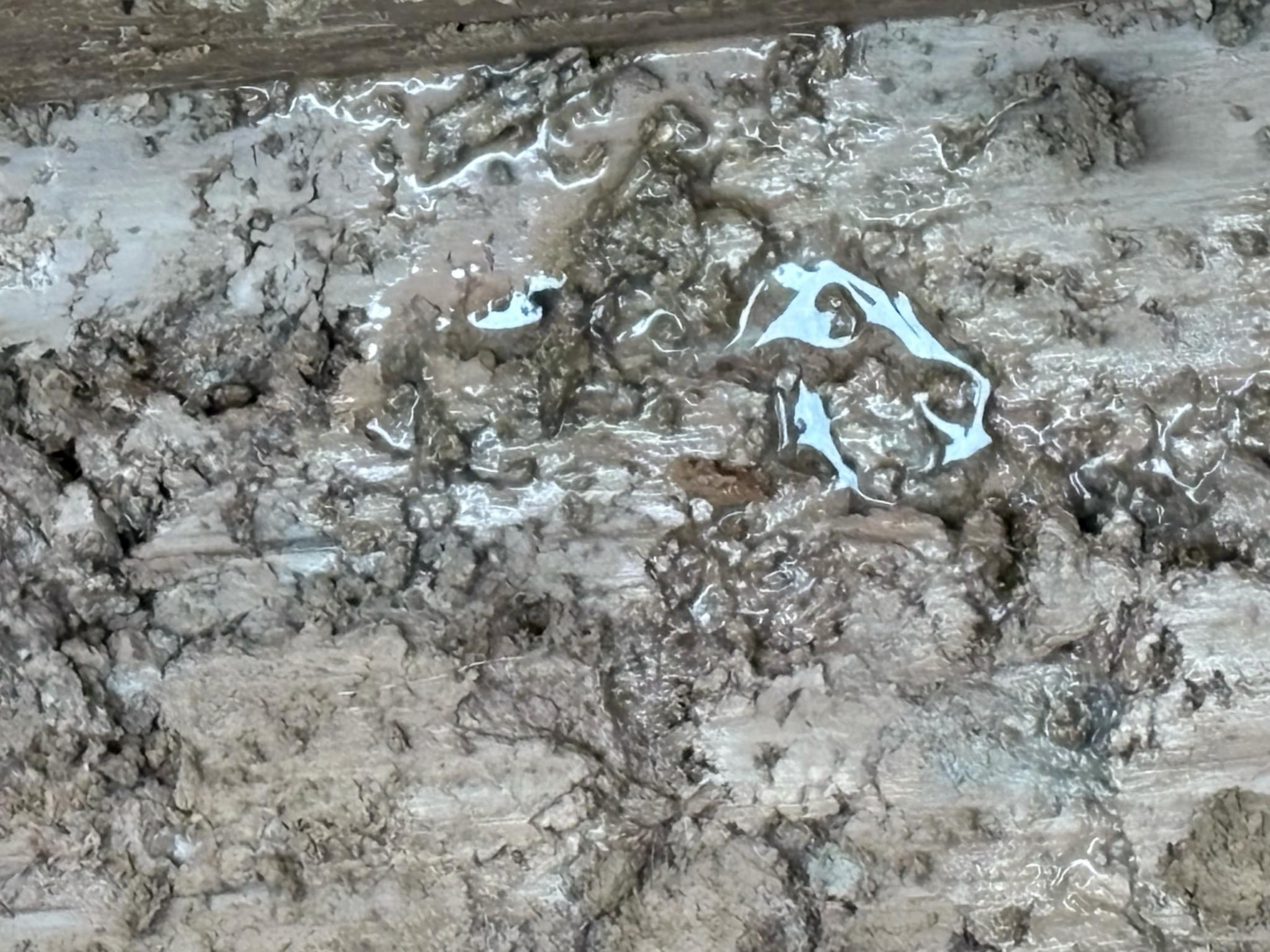
APPENDIX A: TEST PIT PHOTOS

























APPENDIX B: TEST PIT LOGS (NOT REQUIRED)

APPENDIX C: INFILTRATION CALCULATIONS (NOT REQUIRED)