

PERCOLATION REPORT

LOCATION:

Church Street, Mapplewell

CLIENT:

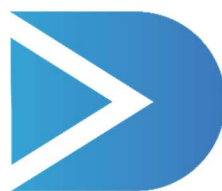
Russ Lang

DOCUMENT REF:

25664-PR-001

DATE:

14/10/25



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CONTENTS & AMENDMENT HISTORY

1.0 TESTING REPORT..... 3

Revision	Description	Date	Author	Checked
A	First Issue	Oct 2053	O Mountain	A Dyson

TESTING REPORT

1.0 TESTING REPORT

The Percolation Testing was carried out on site on 14th October 2025 to establish if infiltration methods were going to be a suitable solution for draining the site.

1 Trial Holes were formed with the following dimensions;

Test Pit 1 1300mm x 1350mm x 1500mm deep

The water level drop was monitored and recorded (see test sheets attached).

TEST PIT 1:

For Test 1 (Test Pit 1), Groundwater was present at the base of Test Pit 1, therefore the percolation test failed based on BRE 365 Requirements.

The Trial Pit was excavated to 1.5m deep and groundwater was evident at the base of the excavation. The excavation was left overnight and had 35mm of groundwater in it. Therefore based on BRE 365 Requirements, the test shows that infiltration is inviable for this site.

APPENDICES

Appendix A – Percolation Test Sheet

METHOD (from BRE Digest 365)

- Excavate a soakage trial pit to the required depth (typically 1.0m - 2.0m deep) using minimum width (0.3m) and length (1.0m). Carefully trim sides and bottom.
- Carefully measure size of pit and note sizes below.
- Fill soakage hole briskly with water (from bowser) to at least three quarters full. Being careful not to wash away the sides. (Note: a 0.3m wide, 1m long, 1.5m deep trench needs at least 350 litres (80 gallons) of water)
- Place straight edge over top of soakage pit and measure (dip) to the top of the water.
- Record time versus dips in table below. Dip every 5 minutes for the first hour and every hour until pit is one quarter full. Repeat test 3 times in total on the same or consecutive days.

DETAILS

Site Location	Church Lane, Mapplewell
Date of Test	14/10/25
Weather Conditions	Dry – Autumn
Engineer Name	Ollie Mountain

SIZE OF PIT 1

Length	Width	Depth
1.30m	1.35m	1.50m

Date: 14th October 2025
Ref: 25664/PR/001

Trial Pit 1

35mm of
Groundwater found
at the base of Trial
Pit 1.



Date: 14th October 2025
Ref: 25664/PR/001

Trial Pit 1



Date: 14th October 2025
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Trial Pit 1

