



PERCOLATION REPORT

LOCATION:

Mansfield Road, Athersley North

CLIENT:

XXXX

DOCUMENT REF:

25899-PR-001

DATE:

22/12/2025



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1.0 TESTING REPORT 3

Revision	Description	Date	Author	Checked
A	First Issue	Dec 2025	O Mountain	A Dyson

TESTING REPORT

1.0 TESTING REPORT

The Percolation Testing was carried out on site on 22nd December 2025 to establish if infiltration methods were going to be a suitable solution for draining the site.

1 Trial Hole was formed with the following dimensions;

Test Pit 1 1700mm x 900mm x 1000mm deep

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

TEST PIT 1:

For Test 1 (Test Pit 1), Groundwater was encountered within the trial pit during excavation. Due to the presence of groundwater, it was not possible to maintain the required test water depth or achieve valid infiltration readings. As a result, the test could not be completed to BRE 365 standards. Groundwater was observed at approximately 950mm below existing ground level at the time of testing.

Calculation sheet 1 shows that the infiltration rates are not high enough and do not satisfy BRE 365 requirements. Therefore, Infiltration methods of drainage will not be viable for this site and strategy.

APPENDICES

Appendix A – Percolation Test Sheet

METHOD (from BRE Digest 365)

- Excavate a soakage trail 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	Mansfield Road, Athersley North
Date of Test	22/12/2025
Weather Conditions	Dry – Winter
Engineer Name	Ollie Mountain

SIZE OF PIT 1

Length	Width	Depth
1.70m	0.90m	1.00m

Date: 22nd December 2025
Ref: 25899/PR/001

Trial Pit 1



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Trial Pit 1



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Trial Pit 1 Location



Trial Pit 1 was located here.