

PERCOLATION REPORT

LOCATION:

Locke Avenue, Barnsley

CLIENT:

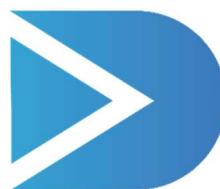
Peter Firth

DOCUMENT REF:

25582-PR-001

DATE:

10/09/2025



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

TESTING REPORT

1.0 TESTING REPORT

The Percolation Testing was carried out on site on 10th September 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 1200mm x 900mm x 1200mm deep

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

TEST PIT 1:

For Test 1 (Test Pit 1), water was filled to a depth of 500mm, the water level dropped 180mm after 1 hours 45 minutes 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	Locke Avenue, Barnsley
Date of Test	10/09/25
Weather Conditions	Wet – Autumn
Engineer Name	Ollie Mountain

SIZE OF PIT 1

Length	Width	Depth
1.20	0.90m	1.20m

Test 1

RESULTS

Time (mins)	Dip (mm)	Time (mins)	Dip (mm)
0	500	70	320
5	470	75	320
10	445	80	320
15	410	85	320
20	380	90	320
25	370	95	320
30	360	100	320
35	355	105	320
40	345	110	
45	335	115	
50	320	120	
55	320	125	
60	320	130	
65	320		

Date: 10 September 2025
Ref: 25582/FP/001

