

PERCOLATION REPORT

LOCATION:

South Lawns, Wigton Lane, Leeds

CLIENT:

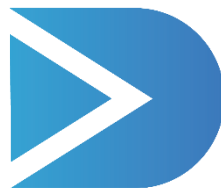
KD Bros

DOCUMENT REF:

23434-PR-001

DATE:

20/09/23



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Revision	Description	Date	Author	Checked
A	First Issue	September 2023	E Craig	A Dyson

TESTING REPORT

1.0 TESTING REPORT

The Percolation Testing was carried out on site on 20th September 2023 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 1600mm x 500mm x 1080mm 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 600mm, the water level dropped 110mm after 1 hour 30 minutes of testing.

Under BRE365 Guidelines the site will not be viable for soakaways.

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	South Lawns, Wigton Lane, Leeds
Date of Test	20/09/23
Weather Conditions	Wet – summer
Engineer Name	Ed Craig

SIZE OF PIT 1

Length	Width	Depth
1.6m	0.5m	1.08m

Test 1 RESULTS

Time (mins)	Dip (mm)	Time (mins)	Dip (mm)
0	600	75	500
5	590	90	490
10	580		
15	570		
20	560		
25	560		
30	560		
35	550		
40	540		
45	540		
50	530		
55	530		
60	520		

Test Pit 1:





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Location of Pit:

