



PERCOLATION REPORT

LOCATION:

Wentworth Way, Tankersley

CLIENT:

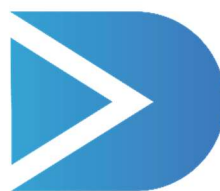
Fox Aluminium System Ltd

DOCUMENT REF:

24525-PR-001

DATE:

18.10.24



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ENGINEERING

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Revision	Description	Date	Author	Checked
A	First Issue	Oct 2024	H Dyson	A Dyson

TESTING REPORT

1.0 TESTING REPORT

The Percolation Testing was carried out on site on 18th October 20224 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 750mm x 1500mm 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 700mm, the water level dropped 0mm after 2 hours 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 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	Wentworth Way, Tankersley
Date of Test	18/10/24
Weather Conditions	Dry – Autumn
Engineer Name	Harry Dyson

SIZE OF PIT 1

Length	Width	Depth
1.70m	0.750m	1.50m

Test 1 RESULTS

Time (mins)	Dip (mm)	Time (mins)	Dip (mm)
0	700	120	700
5	700		
10	700		
15	700		
20	700		
25	700		
30	700		
35	700		
40	700		
45	700		
50	700		
55	700		
60	700		
90	700		

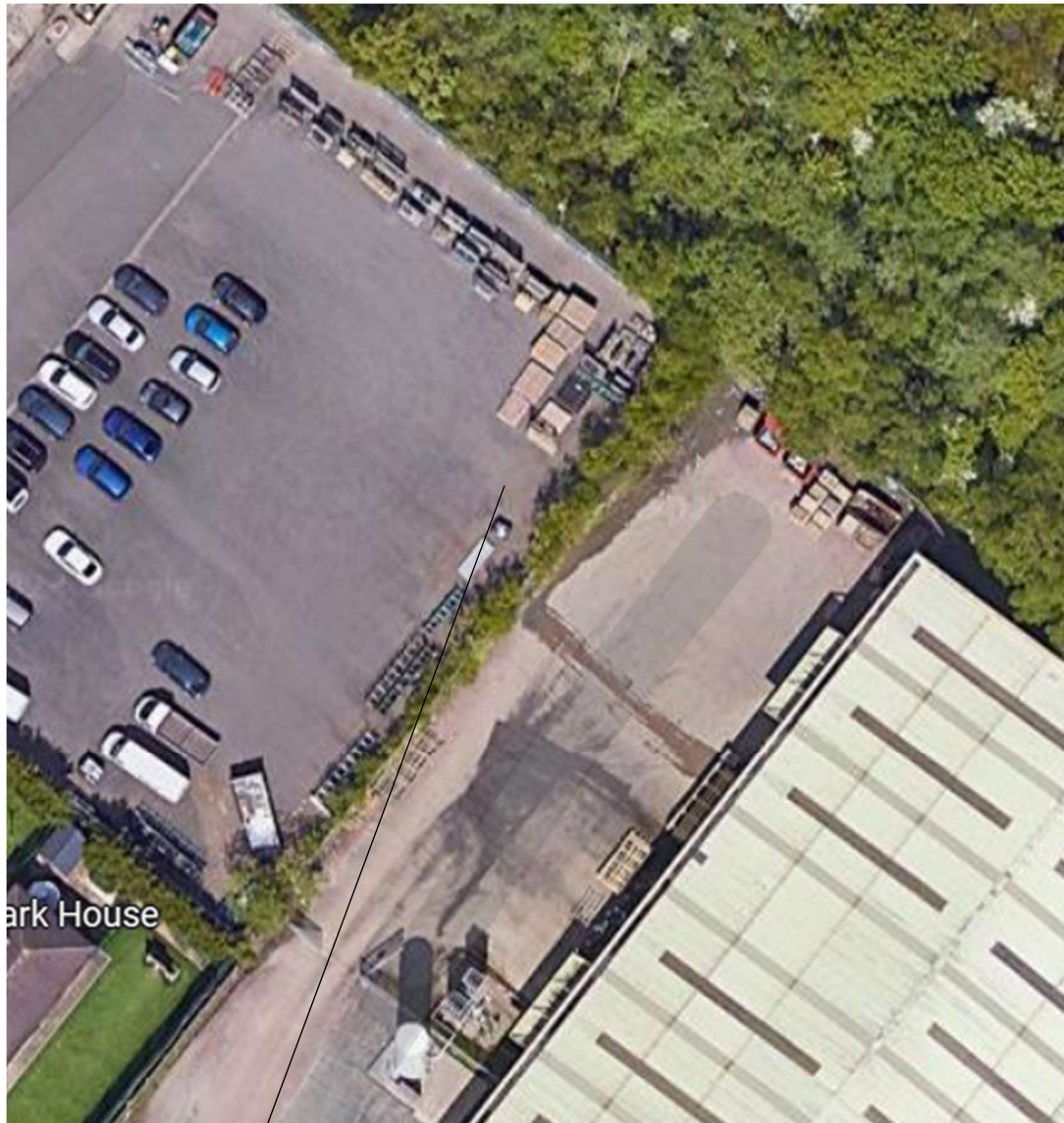
Date: 18 Oct 2024
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Trial pit was
formed here