

26 Falcon Close

March 2025

**Fairway Building and
Remedial Contractors Ltd**

AMA Project Number: 22833

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REPORT QUALITY MANAGEMENT

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1 TESTING METHODOLOGY

1.1 BRE 365 INFILTRATION TEST

1.1.1 All tests undertaken at the site were excavated following the below instruction as outlined in BRE 365 Digest.

- ▶ 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.

2 INTRODUCTION

2.1 INTRODUCTION

2.1.1 This infiltration test report has been prepared by Andrew Moseley Associates (AMA) in relation to the drainage design associated with 26 Falcon Close, Rochdale. The purpose of this document is to supplement the AMA Drainage Strategy report for the development and construction of 2 dwellings located at 26 Falcon Close, Rochdale. A site plan can be found in [Appendix A](#). This report will focus on:

- ▶ Development and Site Description
- ▶ Weather Conditions
- ▶ Dimensions and Properties of the Pit
- ▶ Results
- ▶ Summary

2.1.2 The undertaken infiltration test has been carried out to understand the porosity of the ground and shall be used to establish whether infiltration methods could be viable or not for the site. The results of the testing are not intended to be used for detailed design of the whole site, location specific tests to BRE365 should be undertaken during detailed design should the viability of the preliminary tests look promising.

2.2 DEVELOPMENT DESCRIPTION AND LOCATION

2.2.1 Andrew Moseley Associates (AMA) was appointed by Fairway Building and Remedial Contractors Ltd to provide a Percolation Test Report in support of a residential development located at 26 Falcon Close, Rochdale.

2.2.2 The site is referenced in [Table 2-1](#) and [Figure 2-1](#) below.

Table 2-1 Site Context

Site Name	26 Falcon Close
Location	Rochdale
NGR (approx..)	SD 86007 14785
General Locality	The site is located on undeveloped greenfield land and borders residential development to its north, east, and south. The site borders undeveloped greenfield to its west. Pedestrian and vehicular access to the site is provided via Falcon Close, which is located along the southern boundary of the site. Additional pedestrian access is provided via a pathway between Falcon Close and Woodhouse Lane, located along the eastern boundary of the site.
Development Type	Residential

Figure 2-1 Site Location Plan



2.3 GEOLOGY AND GROUND CONDITIONS

- 2.3.1 British Geological Survey (BGS) Open Geoscience website indicates that the entire site is underlain by Rough Rock – Sandstone, with overlying superficial deposits of Till, Devensian – Diamicton.
- 2.3.2 The BGS website information indicates that there is no borehole record within close proximity to the site.
- 2.3.3 As indicated by aerial imagery, the site consists of grass land consisting of light vegetation.
- 2.3.4 Information obtained from the Cranfield University's Soilscape website indicates that the site is located in an area classified as being Soilscape 17 which is defined as having slowly permeable seasonally wet acid loamy and clayey soils.

2.4 HYDROGEOLOGY

- 2.4.1 According to the Department for Environment, Food and Rural Affairs (DEFRA) MAGIC map, the site is indicated as not being located in a Groundwater Source Protection Zone (SPZ), as defined by the Environment Agency (EA) for the protection of a potable groundwater supply.
- 2.4.2 The site is located as being in an area of low groundwater vulnerability and located above a Secondary A bedrock, and a Secondary (undifferentiated) superficial aquifer.

2.5 WEATHER CONDITIONS

- 2.5.1 The infiltration test was undertaken on the 10th of March 2025 through the times of 8am and 12:30pm.
- 2.5.2 Ground conditions were dry, with clear blue skies and temperatures ranging between 12 and 14 degrees.

2.6 DIMENSIONS AND PROPERTIES OF THE PIT

- 2.6.1 The percolation testing was carried out on the site on the 10th of March to establish if infiltration methods were going to be a suitable solution for draining the site.

2.6.2 1 trial hole was formed in the center of the site with the following dimensions:

- ▶ Trial Hole 1: 1.0 m x 1.0 m x 0.90 m

2.6.3 The water level drop was monitored and recorded.

2.7 RESULTS

2.7.1 For the test completed on Test Pit 1, water was filled to a depth of 0.80m, and the water level dropped to 0.75m over a 90-minute period.

Table 2-2 Test Results

Test Pit 1	
Time (mins)	Dip (m)
0	0.80
5	0.80
10	0.79
15	0.79
20	0.79
25	0.78
30	0.78
40	0.78
50	0.77
60	0.77
70	0.76
80	0.75
90	0.75

2.8 SUMMARY

2.8.1 As the water level within the test pit only decreased by 0.05m over a 90-minute period it can be concluded that soakaways would not be viable at the site.

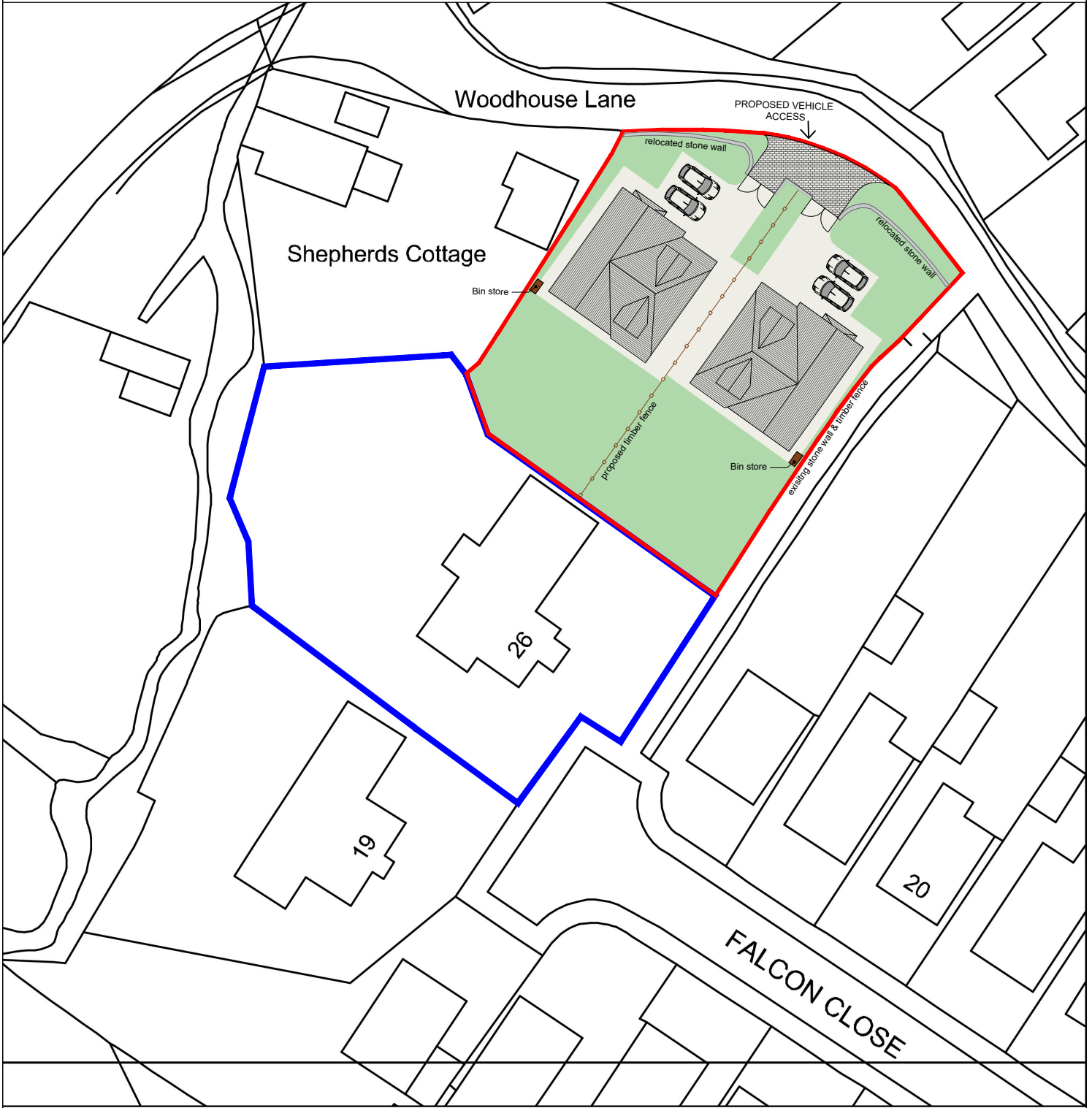
APPENDICES

Appendix A Proposed Site Layout

Appendix B Test Photographs



Appendix A
Proposed Site Layout



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Project Title. Falcon Close, Rochdale			
Title. Proposed Site Plan		Date. April 2024	
Drawing No. 24NP504/01/003		Client.	
Scale. 1:500 @ A4	Format. PDF	Sheet. 1	Rev. A



Appendix B
Test Photographs







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