

**SUB SURFACE**

SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS

3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Insitu Test ResultsSite: **EDGE GATE FARM, HUDDERSFIELD ROAD, MILNROW, ROCHDALE, OL16 3TJ**

Job Number

8242Client: **PETER THORNTON**

Sheet:

1 / 1

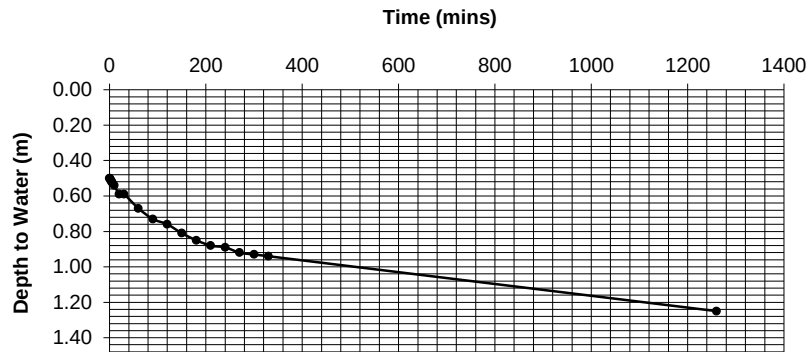
Engineer:

SOAKAWAY TEST

Position: TP1

Test Number: 1

Date: 20/08/25



Time (min)	Depth (m)
0	0.50
1	0.50
2	0.51
3	0.51
4	0.52
5	0.52
7	0.53
10	0.54
20	0.59
30	0.59
60	0.67
90	0.73
120	0.76
150	0.81
180	0.85
210	0.88
240	0.89
270	0.92
300	0.93
330	0.94
1260	1.25 *

Length of pit: L = 1.90 m

Width of pit: W = 0.30 m

Depth of pit: D = 1.50 m

Base area of pit: A = 0.57 m²

100% effective depth D100 = 0.50 m

75% effective depth D75 = 0.75 m

50% effective depth D50 = 1.00 m

25% effective depth D25 = 1.25 m

time to D75 T75 = 6600 sec

time to D25 T25 = 75600 sec

time from D75 to D25 t_{p75-25} = 69000 sec

(T25 - T75)

volume between D75 & D25 V_{p75-25} = 0.29 m³

(A x (D25 - D75))

surface area to D50 inc. base a_{p50} = 2.77 m²

((2x(D-D50)x(W+L)) + A)

SOIL INFILTRATION RATE

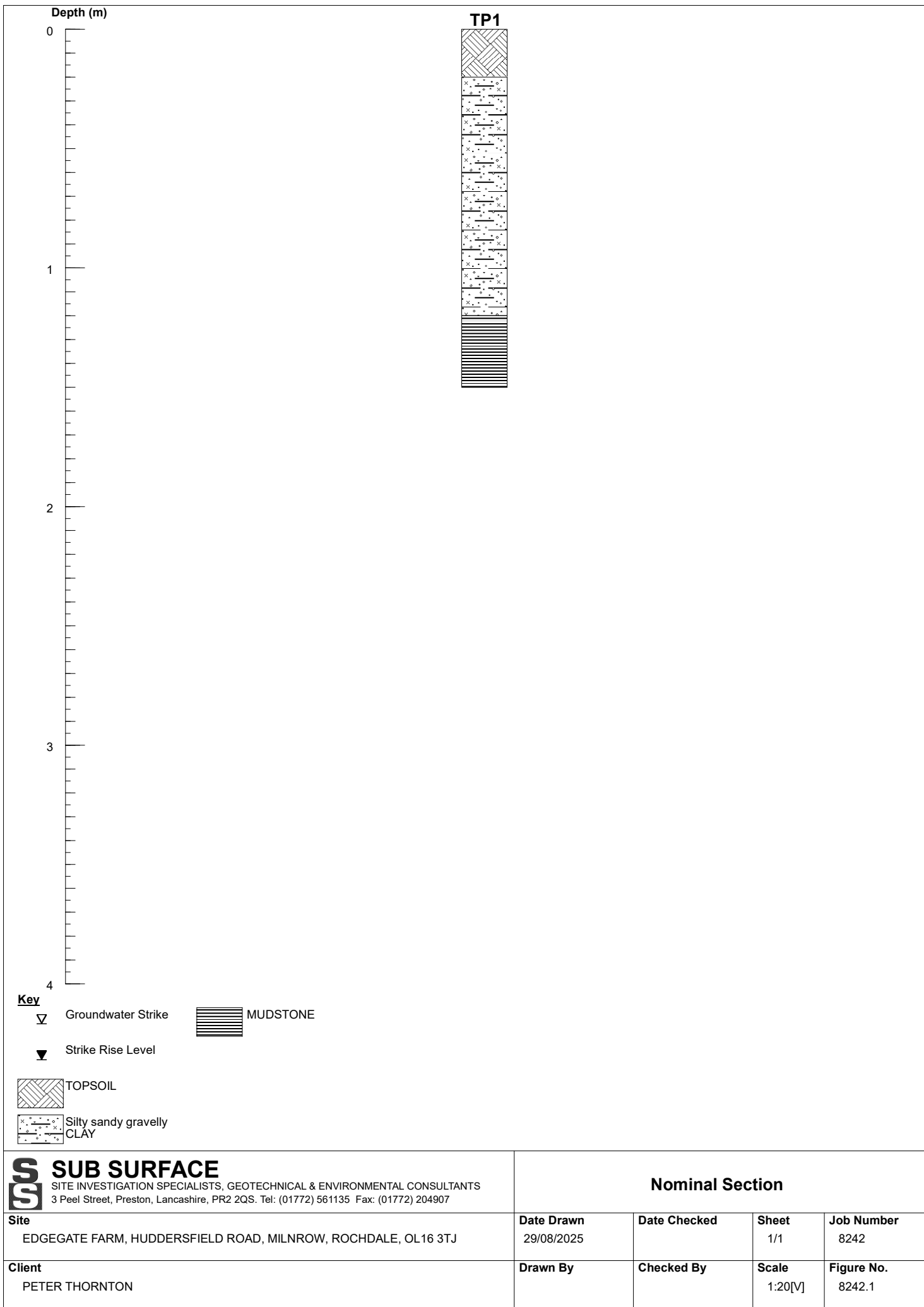
$$f = \frac{V_{p75-25}}{a_{p50} \times t_{p75-25}}$$

$$f = 1.49E-06 \text{ m/sec}$$

Test Strata: See TP1 Log.

Remarks: * Value extrapolated to obtain Soil Infiltration Rate.

S S SUB SURFACE SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS 3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907						Site EDGEGATE FARM, HUDDERSFIELD ROAD, MILNROW, ROCHDALE, OL16 3TJ		Trial Pit Number TP1			
Excavation Method MACHINE EXCAVATED		Dimensions 0.30 x 1.90		Ground Level (mOD)		Client PETER THORNTON		Job Number 8242			
		Location		Dates 20/08/2025		Engineer		Sheet 1/1			
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water			
0.05-0.15	B				(0.20) 0.20	Friable dark brown slightly gravelly sandy silty CLAY with many rootlets. Gravel is subangular to subrounded fine to coarse sandstone and mudstone (TOPSOIL).					
0.50-0.90	B				(1.00)	Friable brown slightly gravelly slightly sandy silty CLAY. Gravel sized fragments are angular to subangular fine to coarse mudstone lithorelicts (completely weathered bedrock).					
1.30-1.40	B		20/08/2025:DRY		1.20 (0.30) 1.50	Extremely weak thinly laminated to very thinly bedded brown highly weathered MUDSTONE, completely weathered to clay in places.					
						Complete at 1.50m					
Plan						Remarks					
.						No groundwater encountered.					
.						Trial pit sides remained stable and vertical.					
.						On completion backfilled with arisings.					
.											
.											
.											
						Scale (approx)		Logged By		Figure No.	
						1:25		SS		8242.TP1	



Depth (m)

0

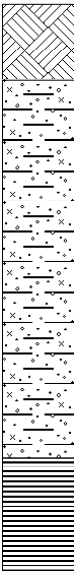
1

2

3

4

TP1



Key



Groundwater Strike



Strike Rise Level



TOPSOIL



Silty sandy gravelly
CLAY



MUDSTONE



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Nominal Section

Site
EDGE GATE FARM, HUDDERSFIELD ROAD, MILNROW, ROCHDALE, OL16 3TJ

Date Drawn
29/08/2025

Date Checked

Sheet
1/1

Job Number
8242

Client
PETER THORNTON

Drawn By

Checked By

Scale
1:20[V]

Figure No.
8242.1



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Site:
EDGEGATE FARM, HUDDERSFIELD ROAD, MILNROW,
ROCHDALE, OL16 3TJ

Client:
PETER THORNTON

Soakaway Location Plan

Date Drawn:
28-Aug-25

Drawn By:
SS

Date Checked:
—

Checked By:
—

Orientation:

Scale:
—

Job Number:
8242

Figure Number:
1