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

Site:

Client:

Insitu Test Results

Job Number SE1801

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

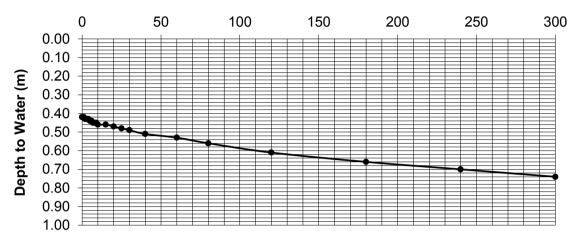
FRIENDS OF HIGHGATE CEMETERY TRUST

SOAKAWAY TEST

Position: TP1 Test Number: 1

Date: 01/05/24

Time (mins)



Length of pit: 1.60 L = m Width of pit: W =0.50 m Depth of pit D =1.00 m m^2 Base area of pit: A = 0.80

100% effective depth D100 =0.42 m 75% effective depth D75 =0.57 m 50% effective depth D50 =0.71 m D25 =25% effective depth 0.86 m

> time to D75 T75 = 5280 sec time to D25 T25 = 28800 sec

time from D75 to D25 t_{p75-25} = 23520 sec (T25 - T75)

volume between D75 & D25 $V_{p75-25} = 0.23 \text{ m}^3$ (A x (D25 - D75)) surface area to D50 inc. base $a_{p50} = 2.02 \text{ m}^2$ ((2x(D-D50)x(W+L)) + A) Time Depth (min) (m) 0 0.42 1 0.42 2 0.43 3 0.43 4 0.43 5 0.44 6 0.44 0.45 8 0.45 9 0.45 10 0.46 15 0.46 20 0.47 25 0.48 30 0.49 40 0.51 60 0.53 80 0.56 120 0.61 180 0.66 240 0.70 300 0.74 480 0.86

SOIL INFILTRATION RATE

 $f = \frac{V_{p75.25}}{a_{p50} x t_{p75.25}}$

f = 4.89E-06 m/sec

Test Strata: See TP1 Log.

Remarks: * Value extrapolated to obtain Soil Infiltration Rate.

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

FRIENDS OF HIGHGATE CEMETERY TRUST

Site:

Client:

SOAKAWAY TEST

Position: TP2 Test Number: 1

Date: 01/05/24

Depth

(m)

0.45

0.45

0.45

0.52

0.53

0.55

0.57 0.58

0.60

0.61

0.62

0.68

0.72

0.75

0.78

0.83

0.87

Time

(min)

0

1

2

3

4

5

6

8

9

10

15

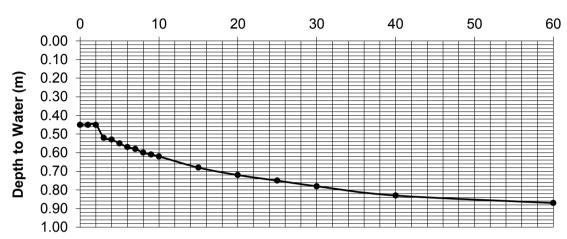
20

25

30

40

60



Length of pit: L = 1.70 m Width of pit: W =0.50 m Depth of pit D = 1.00 m m^2 Base area of pit: A =0.85

D100 =100% effective depth 0.45 m 75% effective depth D75 =0.59 m 50% effective depth D50 =0.73 m 25% effective depth D25 =0.86 m

> time to D75 T75 = 450 sec time to D25 T25 = 3300 sec

time from D75 to D25 t_{p75-25} = 2850 sec (T25 - T75) volume between D75 & D25 V_{p75-25} = 0.23 m^3 (A x (D25 - D75))

surface area to D50 inc. base $a_{p50} = 2.06 \text{ m}^2$ ((2x(D-D50)x(W+L)) + A)

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

f = 3.98E-05 m/sec

Test Strata: See TP2 Log.

FRIENDS OF HIGHGATE CEMETERY TRUST

Site:

Client:

HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

Insitu Test Results

Job Number SE1801

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SOAKAWAY TEST

Position: TP2 Test Number: 2

Date: 01/05/24

Depth

(m)

0.41

0.44

0.46

0.47

0.48

0.48

0.49 0.50

0.50

0.51

0.53

0.60

0.63

0.66

0.71

0.78

0.87

Time

(min)

0

1

2

3

4

5

6

8

9

10

15

20

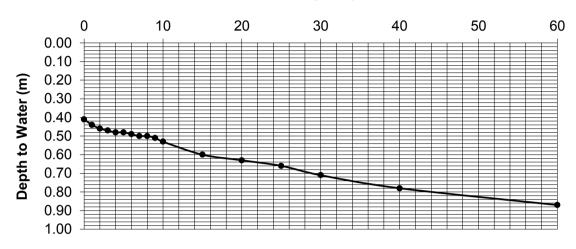
25

30

40

60

Time (mins)



Length of pit: L = 1.70 m Width of pit: W =0.50 m Depth of pit D = 1.00 m m^2 Base area of pit: A =0.85

D100 =100% effective depth 0.41 m 75% effective depth D75 =0.56 m 50% effective depth D50 =0.71 m 25% effective depth D25 =0.85 m

> time to D75 T75 =729 sec time to D25 T25 =3333 sec

time from D75 to D25 $t_{p75-25} =$ 2605 sec (T25 - T75)volume between D75 & D25 m^3 $V_{p75-25} =$ 0.25

(A x (D25 - D75)) m^2 surface area to D50 inc. base 2.15 $a_{p50} =$ ((2x(D-D50)x(W+L)) + A)

SOIL INFILTRATION RATE f = $a_{p50} \times t_{p75-25}$

f = 4.48E-05 m/sec

Test Strata: See TP2 Log.

SUB SURFACE SITE INVESTIGATION SPECIALIST

Client:

SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS 3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Site: HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

FRIENDS OF HIGHGATE CEMETERY TRUST

Job Number SE1801

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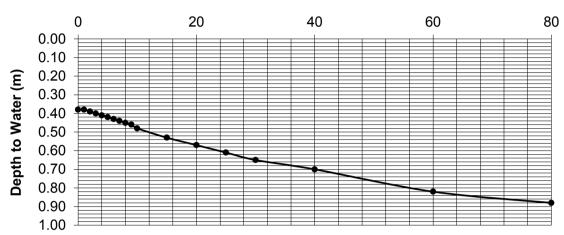
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SOAKAWAY TEST

Position: TP2 Test Number: 3

Date: 01/05/24

Time ((mins)
--------	--------



L= 1.70 Length of pit: m Width of pit: W =0.50 m Depth of pit D = 1.00 m m^2 Base area of pit: A =0.85

100% effective depth D100 =0.38 m 75% effective depth D75 =0.54 m 50% effective depth D50 =0.69 m 25% effective depth D25 =0.85 m

> time to D75 T75 = 975 sec time to D25 T25 = 4200 sec

time from D75 to D25 t_{p75-25} = 3225 sec (T25 - T75)

volume between D75 & D25 $V_{p75-25} = 0.26 \text{ m}^3$ (A x (D25 - D75))

surface area to D50 inc. base $a_{p50} = 2.21 \text{ m}^2$ ((2x(D-D50)x(W+L)) + A)

SOIL INFILTRATION RATE $f = V_{p75.25}$ $a_{p50} \times t_{p75.25}$

f = 3.69E-05 m/sec

Test Strata: See TP2 Log.

Time	Depth
(min)	(m)
0	0.38
1	0.38
2	0.39
	0.40
4	0.41
5	0.42
6 7	0.43
	0.44
8	0.45
9	0.46
10	0.48
15	0.53
20	0.57
25	0.61
30	0.65
40	0.70
60	0.82
80	0.88

Client:

FRIENDS OF HIGHGATE CEMETERY TRUST

HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

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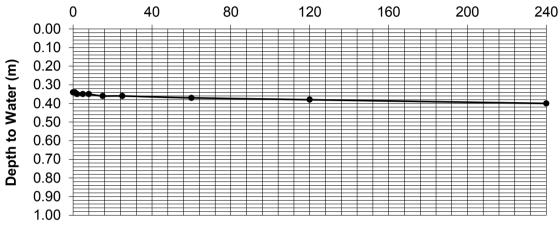
SE1801

SOAKAWAY TEST

Position: TP3 Test Number: 1

Date: 01/05/24

Time	(mi	ins)
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Length of pit:	L =	1.30	m
Width of pit:	W =	0.50	m
Depth of pit	D =	1.00	m
Base area of pit:	A =	0.65	m^2
100% effective depth	D100 =	0.34	m
75% effective depth	D75 =	0.51	m
50% effective depth	D50 =	0.67	m
25% effective depth	D25 =	0.84	m
time to D75	T75 =	-	sec
time to D25	T25 =	-	sec
time from D75 to D25	+ -		000
(T25 - T75)	t _{p75-25} =	-	sec
volume between D75 & D25	V _{p75-25} =	0.21	m^3
(A x (D25 - D75))	P • • • • •		
surface area to D50 inc. base	a _{p50} =	1.84	m^2
((2x(D-D50)x(W+L)) + A)			

SOIL INFILTRATION RATE	f =	V_{p75-25}	
		$a_{p50} \times t_{p75-25}$	

f = m/sec

Test Strata: See TP3 Log.

Time	Depth	
(min)	(m)	
0	0.34	
1	0.34	
2	0.35	
5	0.35	
8	0.35	
15	0.36	
25	0.36	
60	0.37	
120	0.38	
240	0.40	

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Job Number

FRIENDS OF HIGHGATE CEMETERY TRUST

HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

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

SUB SURFACE

Site:

Client:

SOAKAWAY TEST

Position: TP4 Test Number: 1

Date: 02/05/24

Depth

(m)

0.36

0.40

0.42

0.43

0.45

0.47

0.48 0.49

0.49

0.50

0.51

0.55

0.59

0.63

0.65

0.69

0.74

0.77

0.83

0.84

Time

(min)

0

1

2

3

4

5

6

8

9

10

15

20

25

30

40

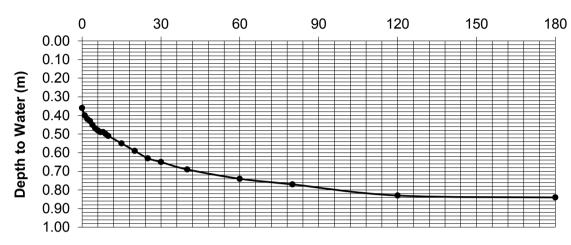
60

80

120

180

Time ((mins))
--------	--------	---



1.30 Length of pit: L = m Width of pit: W =0.50 m Depth of pit D = 1.00 m m^2 Base area of pit: A =0.65

D100 =100% effective depth 0.36 m 75% effective depth D75 =0.52 m 50% effective depth D50 =0.68 m 25% effective depth D25 =0.84 m T75 =675 time to D75 sec

time to D25 T25 =10800 sec

time from D75 to D25 $t_{p75-25} =$ 10125 sec (T25 - T75)volume between D75 & D25 m^3 $V_{p75-25} =$ 0.21 (A x (D25 - D75)) m^2 surface area to D50 inc. base 1.80

 $a_{p50} =$ ((2x(D-D50)x(W+L)) + A)

SOIL INFILTRATION RATE f = $a_{p50} \times t_{p75-25}$

f = 1.14E-05 m/sec

Test Strata: See TP4 Log.

Client:

SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS 3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Site: HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

FRIENDS OF HIGHGATE CEMETERY TRUST

SE1801

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SOAKAWAY TEST

Position: TP4 Test Number: 2

Date: 02/05/24

Depth

(m)

0.37

0.38

0.40

0.40

0.41

0.41

0.42

0.43

0.44

0.45

0.48

0.50

0.51

0.54

0.59

0.64

0.67

0.76

0.84

Time

(min)

0

1

2

3

4

5

6

8

9

10

15

20

25

30

40

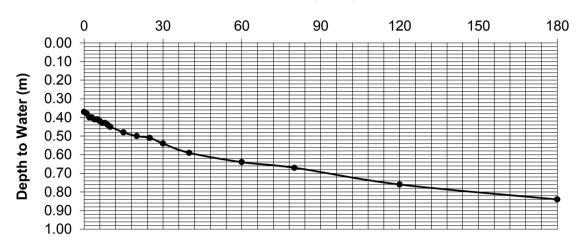
60

80

120

180

Time	(min	s١
1 11110	(٠,



1.30 Length of pit: L = m Width of pit: W =0.50 m Depth of pit D = 1.00 m m^2 Base area of pit: A =0.65

D100 =100% effective depth 0.37 m 75% effective depth D75 =0.53 m 50% effective depth D50 =0.69 m D25 =25% effective depth 0.84 m T75 =1700 time to D75 sec

time to D25 T25 = 10800 sec

time from D75 to D25 t_{p75-25} = 9100 sec (T25 - T75) volume between D75 & D25 V_{p75-25} = 0.20 m^3

 $(A \times (D25 - D75))$ surface area to D50 inc. base $a_{p50} = 1.78 \text{ m}^2$ ((2x(D-D50)x(W+L)) + A)

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

f = 1.26E-05 m/sec

Test Strata: See TP4 Log.

SUB SURFACE

Site:

Client:

SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS 3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Insitu Test Results

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

FRIENDS OF HIGHGATE CEMETERY TRUST

SOAKAWAY TEST

Position: TP5 Test Number: 1

Date: 02/05/24

Depth

(m)

0.27

0.28

0.29

0.30

0.30

0.31

0.31

0.31

0.31

0.32

0.32

0.33

0.34

0.36

0.38

0.40

0.41

0.42

0.43

0.45

0.82

Time

(min)

0

1

2

3

4

5

6

8

9

10

15

20

25

30

40

60

80

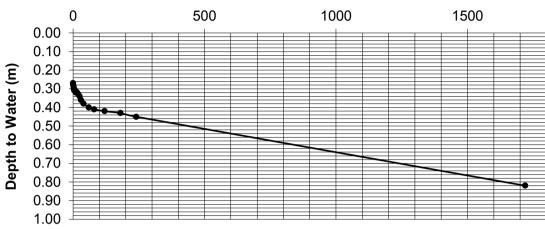
120

180

240

1720

ıım	e (m	iins)



Length of pit: 0.30 L = m Width of pit: W =0.30 m Depth of pit D =1.00 m m^2 Base area of pit: A = 0.09

D100 =100% effective depth 0.27 m 75% effective depth D75 =0.45 m 50% effective depth D50 =0.64 m D25 =25% effective depth 0.82 m

> time to D75 T75 = 14400 sec time to D25 T25 = 103200 sec

time from D75 to D25 $t_{p75-25} = 88800$ sec

(T25 - T75) volume between D75 & D25 $V_{p75-25} = 0.03 \text{ m}^3$ (A x (D25 - D75))

surface area to D50 inc. base $a_{p50} = 0.53 \text{ m}^2$ ((2x(D-D50)x(W+L)) + A)

SOIL INFILTRATION RATE $f = V_{p75-25}$ $a_{p50} \times t_{p75-25}$

f = 7.01E-07 m/sec

Test Strata: See TP5 Log.

Remarks: * Value extrapolated to obtain Soil Infiltration Rate.

Note that the hole was hand excavated resulting in a reduced size test hole.

Client:

SITE INVESTIGATION SPECIALISTS. GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS

FRIENDS OF HIGHGATE CEMETERY TRUST

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

Job Number SE1801

Sheet:

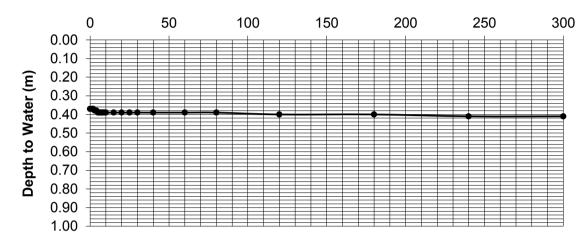
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SOAKAWAY TEST

Position: TP6 Test Number: 1

Date: 29/04/24

Time (mins)



Length of pit: L = 1.10 m Width of pit: W =0.50 m Depth of pit D = 1.00 m Base area of pit: m^2 A =0.55

100% effective depth D100 =0.37 m 75% effective depth D75 =0.53 m 50% effective depth D50 =0.69 m 25% effective depth D25 =0.84 m

> time to D75 T75 = sec T25 =time to D25 sec

time from D75 to D25 $t_{p75-25} =$ sec (T25 - T75)

volume between D75 & D25 m^3 $V_{p75-25} =$ 0.17 (A x (D25 - D75)) m^2

surface area to D50 inc. base 1.56 $a_{p50} =$ ((2x(D-D50)x(W+L)) + A)

SOIL INFILTRATION RATE f = $a_{p50} \times t_{p75-25}$

> f = m/sec

Test Strata: See TP6 Log.

Time	Depth
(min)	(m)
0	0.37
1	0.37 0.37
2	0.37
3	0.37 0.38 0.38 0.39
4	0.38
5	0.39
0 1 2 3 4 5 6 7	0.39
7	0.39
8	0.39
9 10 15	0.39 0.39 0.39 0.39
10	0.39
15	0.39
20	0.39
20 25 30	0.39
30	0.39
40	0.39 0.39 0.39
60	0.39
80	0.39
120	0.40 0.40
180	0.40
240	0.41
300	0.41

Client:

FRIENDS OF HIGHGATE CEMETERY TRUST

HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

Insitu Test Results

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SOAKAWAY TEST

Position: TP7 Test Number: 1

Date: 29/04/24

Depth

(m)

0.44

0.45

0.45

0.45

0.45

0.45

0.45 0.45

0.45

0.45

0.45

0.45

0.45

Time

(min)

0

1

2

3

4

5

6

8

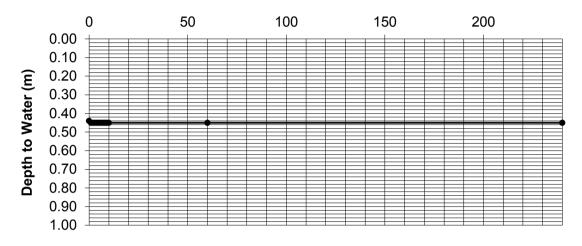
9

10

60

240

Time (mins)



Length of pit:	L =	1.20	m
Width of pit:	W =	0.50	m
Depth of pit	D =	1.00	m
Base area of pit:	A =	0.60	m^2
•			

100% effective depth	D100 =	0.44	m
75% effective depth	D75 =	0.58	m
50% effective depth	D50 =	0.72	m
25% effective depth	D25 =	0.86	m

time to D75	T75 =	-	sec
time to D25	T25 =	-	sec

time from D75 to D25
$$t_{p75-25} = -$$
 sec (T25 - T75)

volume between D75 & D25 $V_{p75-25} = 0.17 \text{ m}^3$ (A x (D25 - D75))

 $(A \times (D25 - D75))$ surface area to D50 inc. base $a_{p50} = 1.55 \text{ m}^2$ ((2x(D-D50)x(W+L)) + A)

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

f = - m/sec *

Test Strata: See TP7 Log.

Client:

Insitu Test Results

Job Number SE1801

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

FRIENDS OF HIGHGATE CEMETERY TRUST

SOAKAWAY TEST

Position: TP8 Test Number: 1

Date: 29/04/24

		0				5	0		1(00		1	50		20	00			25	50		300
	0.00	\Rightarrow																				\equiv
	0.10	\blacksquare																				
Ē	0.20																					
<u> </u>	0.30																					
ate	0.40																					≡
≥	0.50	\blacksquare	_	٩,	Ţ																	\equiv
\$	0.60	\blacksquare												Ĭ				—				
Depth to Water (m)	0.70	\blacksquare																				
Del	0.80																					
_	0.90																					
	1.00																					

Time (mins)

Length of pit: 0.25 L = m Width of pit: W =0.25 m Depth of pit D = 0.95 m Base area of pit: m^2 A =0.06 100% effective depth D100 =0.35 m 75% effective depth D75 =0.50 m 50% effective depth D50 =0.65 m 25% effective depth D25 =0.80 m time to D75 T75 =1800 sec T25 =time to D25 sec time from D75 to D25 $t_{p75-25} =$ sec (T25 - T75)volume between D75 & D25 $V_{p75-25} =$ 0.02 m^3 (A x (D25 - D75)) m^2 surface area to D50 inc. base 0.36 $a_{p50} =$ ((2x(D-D50)x(W+L)) + A)

Time	Depth
(min)	(m)
0	0.35
1	0.35
2	(m) 0.35 0.35 0.36
(min) 0 1 2 3 4 5 6	0.36
4	0.37 0.37
5	0.37
6	0.38
7	0.38
8	0.39
9	0.39 0.40
10	0.40
10 15 20 25 30 40	0.44
20	0.45 0.46 0.50
25	0.46
30	0.50
40	0.51
60	0.53
80	0.53 0.55
120 180	0.56 0.57
180	0.57
240	0.58
300	0.58

SOIL INFILTRATION RATE $f = V_{p75-25}$ $a_{p50} \times t_{p75-25}$

f = - m/sec *

Test Strata: See TP8 Log.

Remarks: * Unable to calculate Soil Infiltration Rate due to low permeability of strata and groundwater inflow at 0.80m.

Note that the hole was hand excavated resulting in a reduced size test hole.

Client:

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

Insitu Test Results

Job Number SE1801

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

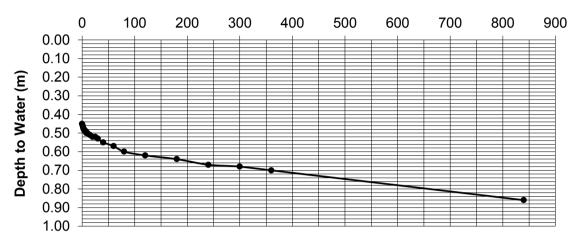
FRIENDS OF HIGHGATE CEMETERY TRUST

SOAKAWAY TEST

Position: TP9 Test Number: 1

Date: 30/04/24

Time ((mins)
--------	--------



1.40 Length of pit: L = m Width of pit: W =0.50 m Depth of pit D = 1.00 m m^2 Base area of pit: A = 0.70 D100 =100% effective depth 0.45 m 75% effective depth D75 =0.59 m 50% effective depth D50 =0.73 m D25 =25% effective depth 0.86 m T75 =4400 time to D75 sec time to D25 T25 =50400 sec time from D75 to D25 $t_{p75-25} =$ 46000 sec (T25 - T75)volume between D75 & D25 $V_{p75-25} =$ 0.19 m^3 (A x (D25 - D75)) m^2 surface area to D50 inc. base 1.75 $a_{p50} =$

Time	Depth
(min)	(m)
0	0.45
1	0.46
2	0.47
3	0.48
4	0.48
5	0.49
6	0.49
(min) 0 1 2 3 4 5 6 7 8 9	0.49
8	0.50
9	0.50
10	0.50
15 20 25 30 40 60	0.51
20	0.52
25	0.52
30	0.53
40	0.55
	(m) 0.45 0.46 0.47 0.48 0.48 0.49 0.49 0.50 0.50 0.50 0.51 0.52 0.52 0.53 0.55 0.57
80	0.60
120	0.62
180	0.64
240 300	0.67
300	0.68
360	0.70
840	0.86

SOIL INFILTRATION RATE f = $a_{p50} \times t_{p75-25}$

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

f = 2.40E-06 m/sec

Test Strata: See TP9 Log.

Remarks: * Value extrapolated to obtain Soil Infiltration Rate.

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Site:

Client:

Insitu Test Results

Job Number SE1801

Sheet:

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

FRIENDS OF HIGHGATE CEMETERY TRUST

SOAKAWAY TEST

Position: TP10 Test Number: 1

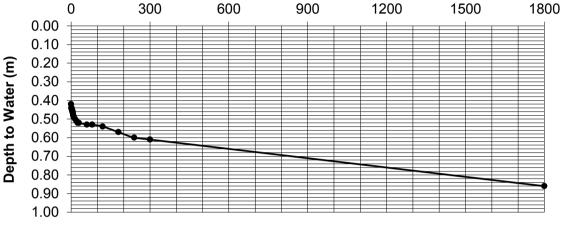
Date: 30/04/24

Depth

Time

600 900 1200

Time (mins)



1.20 Length of pit: L = m Width of pit: W =0.50 m Depth of pit D = 1.00 m Base area of pit: m^2 A = 0.60 D100 =100% effective depth 0.42 m

75% effective depth D75 =0.57 m 50% effective depth D50 =0.71 m D25 =25% effective depth 0.86 m

> T75 =10800 time to D75 sec time to D25 T25 =108000 sec

time from D75 to D25 $t_{p75-25} =$ 97200 sec (T25 - T75)

volume between D75 & D25 m^3 $V_{p75-25} =$ 0.17 (A x (D25 - D75)) m^2 surface area to D50 inc. base 1.59

 $a_{p50} =$ ((2x(D-D50)x(W+L)) + A)

SOIL INFILTRATION RATE f = $a_{p50} \times t_{p75-25}$

f = 1.13E-06 m/sec

Test Strata: See TP10 Log.

(min)	(m)
0	0.42
1	0.44
2	0.44
0 1 2 3 4	0.45
4	0.45
5 6 7	0.46
6	0.46
	0.47
8	0.48
9	0.48
10	0.49
15	0.50
20	0.51
25	0.52
30	0.52
60	0.53
80	0.53
120	0.54
180	0.57
240	0.60
300	0.61
1000	2 2 2

1800

0.86

Remarks: * Value extrapolated to obtain Soil Infiltration Rate.

Client:

Insitu Test Results

Job Number SE1801

Sheet:

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

FRIENDS OF HIGHGATE CEMETERY TRUST

SOAKAWAY TEST

Position: TP11 Test Number: 1

Date: 03/05/24

Depth

(m)

0.40

0.40

0.40

0.40

0.40

0.40

0.40 0.40

0.40

0.40

0.40

0.40

0.40

0.40

0.40

Time

(min)

0

1

2

3

4

5

6

8

9

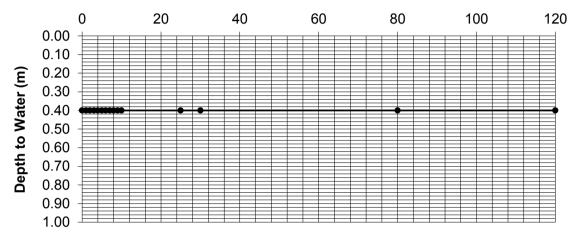
10

25

30

80

120



Length of pit: 1.20 L = m Width of pit: W =0.50 m Depth of pit D = 1.00 m m^2 Base area of pit: A =0.60

100% effective depth D100 =0.40 m 75% effective depth D75 =0.55 m 50% effective depth D50 =0.70 m 25% effective depth D25 =0.85 m

> time to D75 T75 = sec T25 =time to D25 sec

time from D75 to D25 $t_{p75-25} =$ sec (T25 - T75)

volume between D75 & D25 $V_{p75-25} =$ 0.18 m^3 (A x (D25 - D75))

 m^2 surface area to D50 inc. base 1.62 $a_{p50} =$ ((2x(D-D50)x(W+L)) + A)

SOIL INFILTRATION RATE f = $a_{p50} \times t_{p75-25}$

> f = m/sec

Test Strata: See TP11 Log.

Client:

Insitu Test Results

Job Number SE1801

3L 100

Sheet:

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HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ

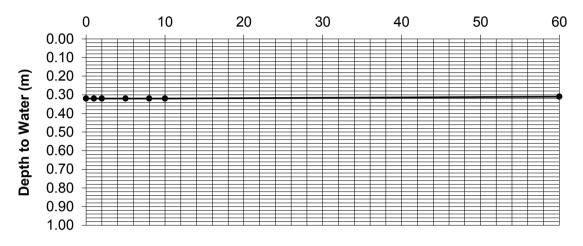
FRIENDS OF HIGHGATE CEMETERY TRUST

SOAKAWAY TEST

Position: TP12 Test Number: 1

Date: 30/04/24

Time (mins)



Time	Depth
(min)	(m)
0	0.32
1	0.32
2	0.32
5	0.32
8	0.32
10	0.32
60	0.31

1.20 Length of pit: L = m Width of pit: W =0.50 m Depth of pit D = 1.00 m m^2 Base area of pit: A =0.60 100% effective depth D100 =0.32 m 75% effective depth D75 =0.49 m 50% effective depth D50 =0.66 m 25% effective depth D25 =0.83 m time to D75 T75 = sec T25 =time to D25 sec time from D75 to D25 $t_{p75-25} =$ sec (T25 - T75) m^3 volume between D75 & D25 $V_{p75-25} =$ 0.20 (A x (D25 - D75)) m^2 surface area to D50 inc. base 1.76 $a_{p50} =$

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

f = - m/sec *

Test Strata: See TP12 Log.

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

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Excavation		Dimens			i Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	Job Number SE1801
		Locatio	n S PLAN	Dates 0	1/05/2024	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Reco	ords Level (mOD)	Depth (m) (Thickness)	D	escription	Legend Nater
			01/05/2024:DRY		(0.20) - (0.80) - (0.80) - (0.80) - (0.80)	Complete at 1.00m	r sandy silty clay. Gravel size	ed
Plan .		•				Remarks Pit sides remained vertical a No groundwater encountere On completion backfilled wit	and stable.	
		•				On completion backfilled wit	th arisings.	
		•						
		•						
						Scale (approx)	Logged By JM/HB	Figure No. SE1801.TP01

	SUB SURF SITE INVESTIGATION SP 3 Peel Street, Preston, Lai	ECIALISTS, (GEOTECHNICAL & ENVIRONN 2 2QS. Tel: (01772) 561135 Fax	MENTAL CONSU k: (01772) 20490	ILTANTS 07	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, N	Trial Pit Number TP02
	ion Method NICAL EXCAVATOR	Dimens 0.50m	sions x 1.70m	Ground	Level (mOD)	Client FRIENDS OF HIGHGATE	Job Number SE1801	
		Locatio	on S PLAN	Dates 0	1/05/2024	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	D	escription	Legend Nate.
			01/05/2024:DRY		- (0.30) - (0.70) - (0.70) - (1.00) - (MADE GROUND: sandy s Complete at 1.00m	ilty clay (reworked).	
Plan				•		Remarks Pit sides remained vertical a	and stable.	
						Pit sides remained vertical a No groundwater encountere On completion backfilled wit	u. h arisings.	
						Scale (approx)	Logged By	Figure No. SE1801.TP02
						1.20	JIVI/I ID	OL TOUT. IF UZ

SIT	UB SURFA E INVESTIGATION SPE eel Street, Preston, Land	CIALISTS, C	GEOTECHNICAL & ENVIR 2 2QS. Tel: (01772) 561135	CONMENTAL CONSU 5 Fax: (01772) 20490	LTANTS 7	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, I	Trial Pit Number TP03
Excavation MECHANIO	n Method CAL EXCAVATOR	Dimens 0.50m	sions x 1.30m	Ground	Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	Job Number SE1801
		Locatio	o n S PLAN	Dates 01	1/05/2024	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Record	s Level (mOD)	Depth (m) (Thickness)	D	escription	Nater Nater
			01/05/2024:DRY		- (0.30) - (0.70) - (0.70) - (1.00) - (Complete at 1.00m	r sandy silty clay. Gravel size	ed .
Plan .			•		•	Remarks Pit sides remained vertical a No groundwater encountere On completion backfilled wit	and stable.	
						On completion backfilled wit	th arisings.	
			•					
						Scale (approx) 1:25	Logged By JM/HB	Figure No. SE1801.TP03

SITI	UB SURFA E INVESTIGATION SPE eel Street, Preston, Land	CIALISTS, C	GEOTECHNICAL & EN 2QS. Tel: (01772) 56	NVIRONMENTAL CO 1135 Fax: (01772) 2	NSUL [*] 204907	TANTS	Site HIGHGATE CEMETERY, S 6PJ	SWAIN'S LANE, LONDON, N	N6	Trial Pi Numbe	er
Excavation MECHANIC	Method CAL EXCAVATOR	Dimens 0.50m	ions x 1.30m	Gro	und L	Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST		Job Numbe SE180	
		Locatio	n S PLAN	Date	es 02/	(05/2024	Engineer			Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Rec	ords Le	vel OD)	Depth (m) (Thickness)	D	escription	ı	Legend	Water
			02/05/2024:DRY			(0.10) - (0.30) - (0.30) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60)	MADE GROUND: subsoil. Gravelly sandy silty CLAY. Complete at 1.00m				
Plan .		•			•	•	Pit sides remained vertical a No groundwater encountere On completion backfilled wit	nd stable. d.			
		•			•	•	on completion backfilled wit	н анынуь.			
		•				•					
						. s	scale (approx) 1:25	Logged By JM/HB	Figure SE18	No. 301.TP04	 4

SITE	JB SURFA INVESTIGATION SPEC el Street, Preston, Lanc	CIALISTS, C	GEOTECHNICAL & ENVII 2QS. Tel: (01772) 56113	RONMENTAL CONSU 5 Fax: (01772) 20490	LTANTS 7	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, N	Trial P Numb TP0	er
Excavation HAND EXCA		Dimens 0.30m	ions x 0.30m	Ground	Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	Job Numb SE180	
		Locatio AS	n S PLAN	Dates 02	2/05/2024	Engineer		Sheet	
Depth (m)	Sample / Tests	Water Depth (m)	Field Record	ds Level (mOD)	Depth (m) (Thickness)	D	escription	Legend	Water
Plan			02/05/2024:DRY		- (0.20) - 0.20 - (0.80) - 1.00	MADE GROUND: topsoil. Sandy silty CLAY with occ Complete at 1.00m	asional roots.		
						Pit sides remained vertical a No groundwater encountere On completion backfilled wit	and stable. .d. .h arisings.		
•		•	•	-					
		•							
		·				Scale (approx)	Logged By	Figure No. SE1801.TP0	 05

	SITE IN	B SURFANVESTIGATION SPE Street, Preston, Land	CIALISTS, C	GEOTECHNICAL & EI 2QS. Tel: (01772) 56	NVIRONMENT 31135 Fax: (01	TAL CONSU 1772) 20490	LTANTS 17	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, I	Ne I	Trial Pit Number TP06	
Excava	tion M		Dimens		<u> </u>	1	Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	1	Job Number SE1801	
			Locatio	n S PLAN		Dates 29	9/04/2024	Engineer		\$	Sheet 1/1	_
Dept (m)	h	Sample / Tests	Water Depth (m)	Field Rec	cords	Level (mOD)	Depth (m) (Thickness)	D	escription	Le	egend 5	Water
				29/04/2024:DRY			- (0.40) - (0.60) - 1.00	MADE GROUND: topsoil. Light brown sandy silty CL Complete at 1.00m	AY with occasional roots.			
Plan	•					•		Remarks Pit sides remained vertical a No groundwater encountere On completion backfilled wit	and stable.			
	•							On completion backfilled wit	h arisings.			
								Scale (approx)	Logged By	Figure N	lo.	
								1:25	JM/HB	SE180	1.TP06	

SI	SUB SURFA TE INVESTIGATION SPE Peel Street, Preston, Land	CIALISTS, C	GEOTECHNICAL & ENVIRO 2QS. Tel: (01772) 561135	NMENTAL CONSU Fax: (01772) 20490	LTANTS 7	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, N	Trial Pit Number TP07
Excavation	on Method ICAL EXCAVATOR	Dimens			Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	Job Number SE1801
		Locatio	o n S PLAN	Dates 29	9/04/2024	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	D	escription	Legend Nate.
			29/04/2024:DRY		- (0.40) - (0.60) - (0.60) - (1.00) - (Complete at 1.00m	irm brown slightly gravelly sleed fragments are brick.	ightly
Plan		•		•		Remarks Pit sides remained vertical a No groundwater encountere On completion backfilled wit	and stable.	
						On completion backfilled with	n arısıngs.	
•				•				
				•				
				•		Scale (approx) 1:25	Logged By JM/HB	Figure No. SE1801.TP07

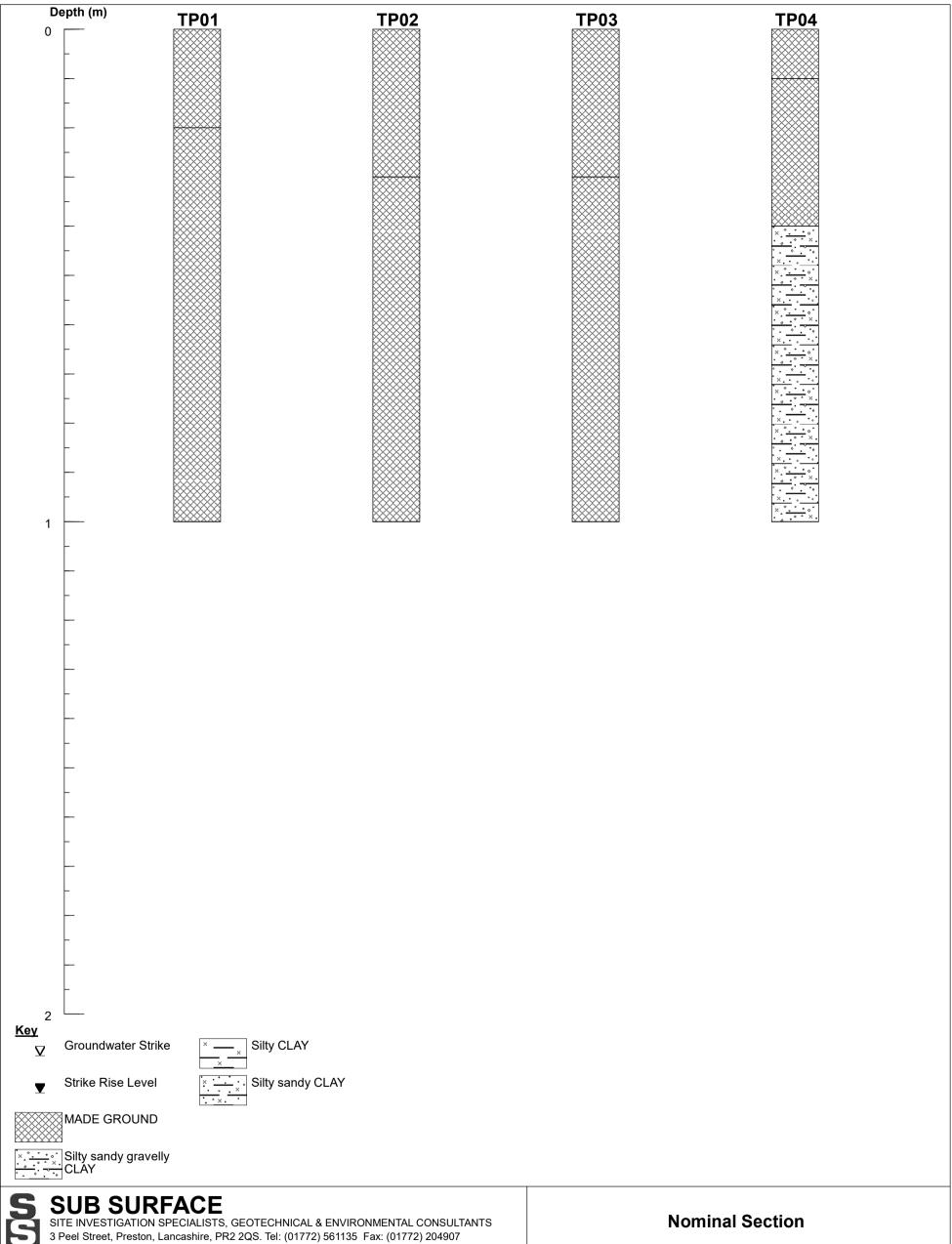
SITI		CIALISTS, C	GEOTECHNICAL & ENVIRONM 2QS. Tel: (01772) 561135 Fax			Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, N	N N	rial Pit lumber ΓΡ08	r
Excavation HAND EXC		Dimens 0.25m	ions x 0.25m	Ground	Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	N	ob umber SE1801	
		Locatio AS	n S PLAN	Dates 29	9/04/2024	Engineer		Si	heet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	D	escription	Leç	gend	Water
			Water inflow(1) at 0.80m. 29/04/2024:		- (0.35) - (0.35) - (0.60) - (0.60) - (0.95) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60) - (0.60)		ver slightly gravelly topsoil. e stone. ngish brown slightly gravelly ted fragments are brick and s	stone.	2	⊻ 1
Plan		•		•		Remarks Pit sides remained vertical a Groundwater inflow at 0.80	and stable. metres			
				٠		On completion backfilled wit	h arisings.			
						Scale (approx) 1:25	Logged By JM/HB	Figure No		

SITE II	IB SURFANVESTIGATION SPEC Street, Preston, Lanca	CIALISTS, G	EOTECHNICAL & ENVIRO 2QS. Tel: (01772) 561135	NMENTAL CONSU Fax: (01772) 20490	LTANTS 17	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, N	Trial Pit Number TP09
Excavation N	lethod L EXCAVATOR	Dimens 0.50m	ions x 1.40m	Ground	Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	Job Number SE1801
		Locatio AS	n PLAN	Dates 30	0/04/2024	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	D	escription	Legend Nater
			30/04/2024:DRY		- (0.30) - (0.70) - (MADE GROUND: silty clay Complete at 1.00m	y (reworked).	
Plan .				•		Remarks Pit sides remained vertical a	and stable.	
				•		Pit sides remained vertical a No groundwater encountere On completion backfilled wit	a. h arisings.	
				•				
						Scale (approx)	Logged By JM/HB	Figure No. SE1801.TP09

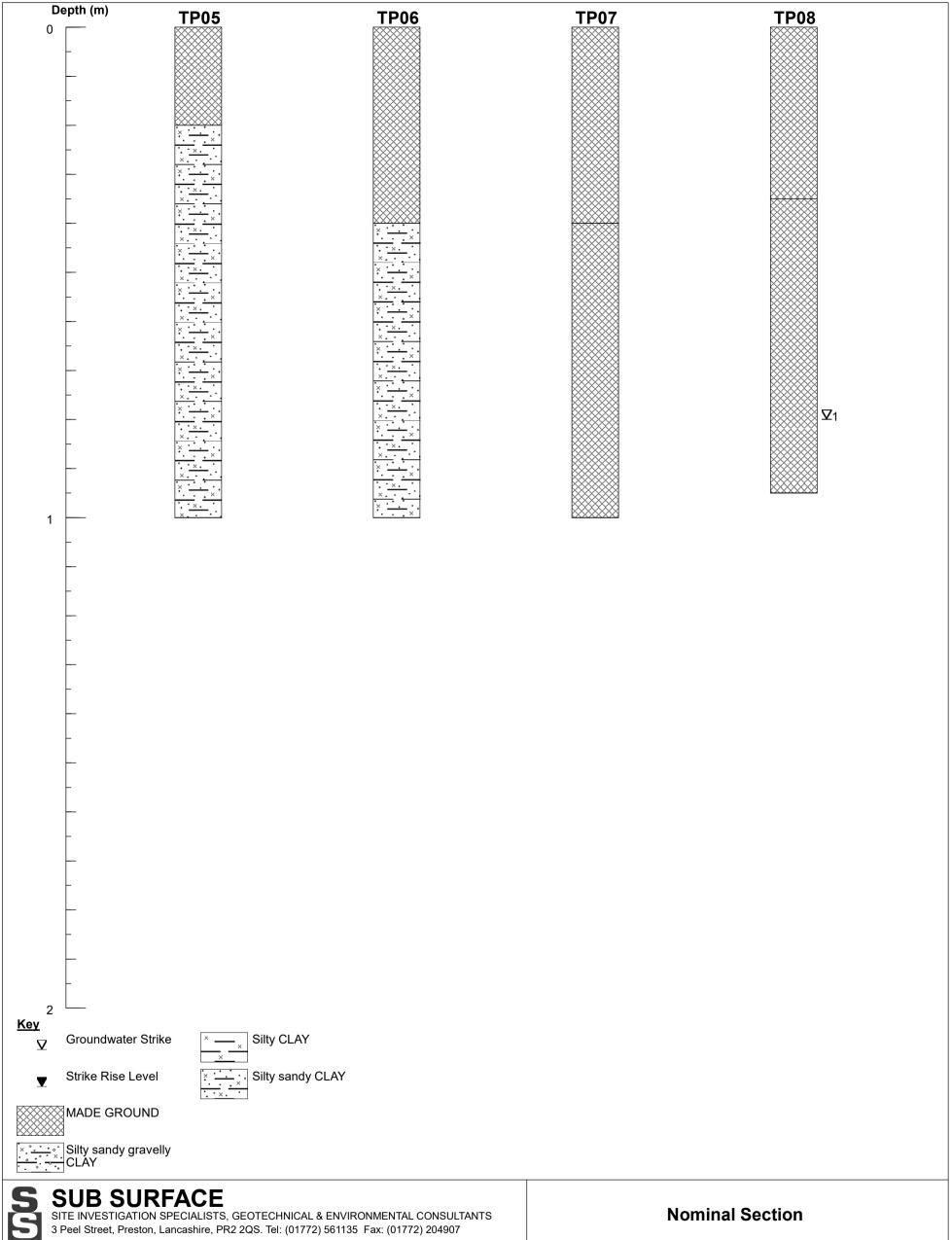
SI	SUB SURFATE INVESTIGATION SPECEL Street, Preston, Land	CIALISTS, O	GEOTECHNICAL & ENVIR 2QS. Tel: (01772) 561135	ONMENTAL CONSU Fax: (01772) 20490	LTANTS 7	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, N	Trial Pit Number TP10
	n Method CAL EXCAVATOR	Dimens 0.50m	cions x 1.20m	Ground	Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	Job Number SE1801
		Locatio	n S PLAN	Dates 30)/04/2024	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Record	s Level (mOD)	Depth (m) (Thickness)	D	escription	Nater Nater
			30/04/2024:DRY		- (0.65) - (0.35) - (0.35) - 1.00	MADE GROUND: silty clarstone. Complete at 1.00m	y with cobble sized fragment	s of
Plan						 Remarks		
						Pit sides remained vertical a No groundwater encountere On completion backfilled wit	and stable. ed. eh arisings.	
						Scale (approx) 1:25	Logged By JM/HB	Figure No. SE1801.TP10

S	SUB SURF, ITE INVESTIGATION SPI Peel Street, Preston, Lar	ECIALISTS, (GEOTECHNICAL & ENVIR 2 2QS. Tel: (01772) 561135	RONMENTAL CONSU 5 Fax: (01772) 20490	LTANTS 7	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, I	Trial Pit Number TP11
Excavation	on Method IICAL EXCAVATOR	Dimens		<u> </u>	Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	Job Number SE1801
		Locatio	on S PLAN	Dates 03	3/05/2024	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Record	s Level (mOD)	Depth (m) (Thickness)	D	escription	Legend Nater
			03/05/2024:DRY		- (0.20) - 0.20 - (0.20) - 0.40 - (0.60) - 1.00		ver sandy topsoil. brown sandy clayey subsoil grey mottled silty CLAY (Lon	
Plan		•	• •			Pit sides remained vertical a No groundwater encountere On completion backfilled wit	and stable. ed.	
•		٠				On completion backfilled wit	th arisings.	
		•	•					
				• •				
						Scale (approx) 1:25	Logged By JM/HB	Figure No. SE1801.TP11

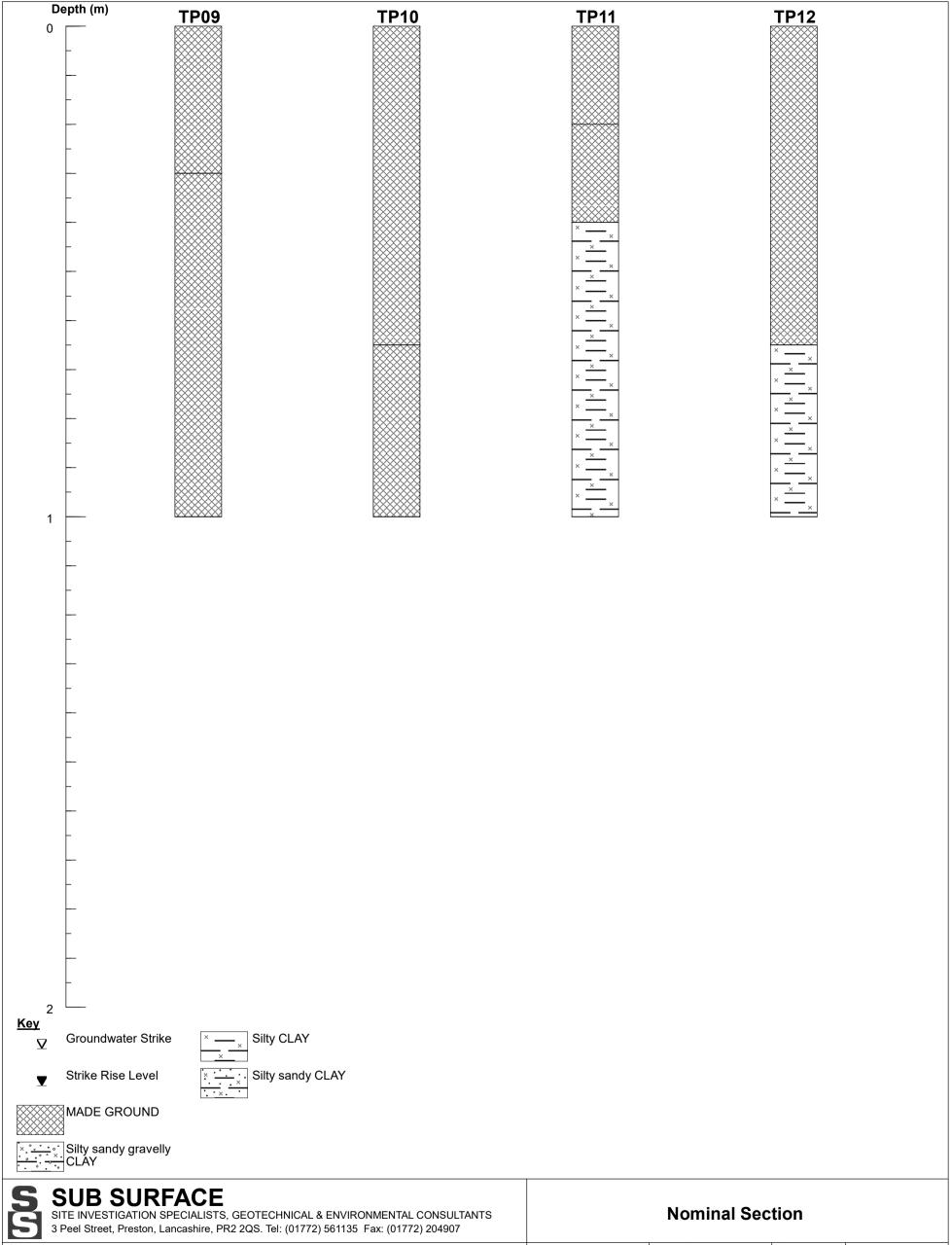
SIT	UB SURFA E INVESTIGATION SPE eel Street, Preston, Land	CIALISTS, C	GEOTECHNICAL & ENVIROI 2QS. Tel: (01772) 561135 F	NMENTAL CONSU Fax: (01772) 20490	ILTANTS 07	Site HIGHGATE CEMETERY, 9 6PJ	SWAIN'S LANE, LONDON, I	Trial Pit Number TP12
Excavation		Dimens			Level (mOD)	Client FRIENDS OF HIGHGATE	CEMETERY TRUST	Job Number SE1801
		Locatio	o n S PLAN	Dates 30	0/04/2024	Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	D	escription	Legend Nater
Plan			30/04/2024:DRY		- (0.65) - (0.35) - (Silty CLAY. Complete at 1.00m		
		•		•		Pit sides remained vertical a No groundwater encountere On completion backfilled wit	and stable.	
		•		•		on completion backfilled wit	ui ansings.	
				•				
						Scale (approx)	Logged By JM/HB	Figure No. SE1801.TP12



Nominal Section					
Date Checked	Sheet	Job Number			
	1/3	SE1801			
Checked By	Scale	Figure No.			
	1:10[V]	SE1801			
	1				



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Site	Date Drawn	Date Checked	Sheet	Job Number		
HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ	21/05/2024		2/3	SE1801		
Client	Drawn By	Checked By	Scale	Figure No.		
FRIENDS OF HIGHGATE CEMETERY TRUST			1:10[V]	SE1801		



SUB SURFACE SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS 3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907	Nominal Section					
Site	Date Drawn	Date Checked	Sheet	Job Number		
HIGHGATE CEMETERY, SWAIN'S LANE, LONDON, N6 6PJ	21/05/2024		3/3	SE1801		
Client	Drawn By	Checked By	Scale	Figure No.		
FRIENDS OF HIGHGATE CEMETERY TRUST			1:10[V]	SE1801		
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