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APPENDIX B: REFERENCES

BUILDING RESEARCH ESTABLISHMENT. 2016. BRE Digest 365: Soakaway design. Building Research Establishment, London.

BRITISH STANDARDS INSTITUTION. 2020 BS 5930:2015+A1:2020 Code of practice for ground investigations. British Standards Institution. London.

BRITISH STANDARDS INSTITUTION. 2007. Eurocode 7 – Geotechnical Design. Part 2: Ground investigation and testing. British Standards Institution. London.



APPENDIX C: TRIAL PIT AND SOAKAGE TEST RECORDS

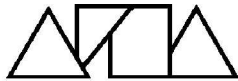
B Bulk disturbed sample

D Small disturbed sample

All depths and measurements are given in metres, except as noted

Strata descriptions compiled by visual examination of samples obtained after BS 5930:2015+A1:2020 and modified in accordance with laboratory test results where applicable





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Site
 Land off Cambridge Road, Great Shelford, Cambs

Trial Pit Number
SA01

Excavation Method
 Machine excavated trial pit

Dimensions
 W = 0.50m x L = 1.30m x D = 2.00m

Ground Level (mOD)

Client
 Home Wood Property Developments Limited

Job Number
 22.127

Location

Dates
 23/05/2022-
 26/05/2022

Agent
 Planning and Architecture

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.60-0.70	D1				0.40	TOPSOIL (Light brown gravelly fine to coarse sand. Gravel is subangular to subrounded fine to coarse flint.		
					0.40	Orange brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint		
1.70-1.90	D2				0.70	Yellow orange slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint and chalk		
					(1.30)	Complete at 2.00m		
					2.00			



Remarks

1. Location CAT scanned prior to excavation
2. No groundwater encountered
3. Trial pit remained open and sidewalls stable during excavation.
4. Pit backfilled with gravel to 1.0 m and then arisings to surface
5. Soakage test performed between 1.0 m and 2.0 m

Scale (approx)

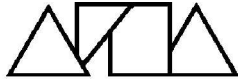
1:25

Logged By

MJJG

Figure No.

22.127.SA01



Site : Land off Cambridge Road, Great Shelford, Cambs
Client : Home Wood Property Developments Limited
Agent : Planning and Architecture

Job Number
22.127
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Location	Date	Level	Location
SA01	23/05/2022		

Pit Width (m)	0.50
Pit Depth (m)	2.00
Pit Length (m)	1.30

Soil type at test level	SAND
Groundwater	Not encountered
Drain discharge depth	Not known
Sidewall stability	Stable
Stone filled or open pit	Stone filled

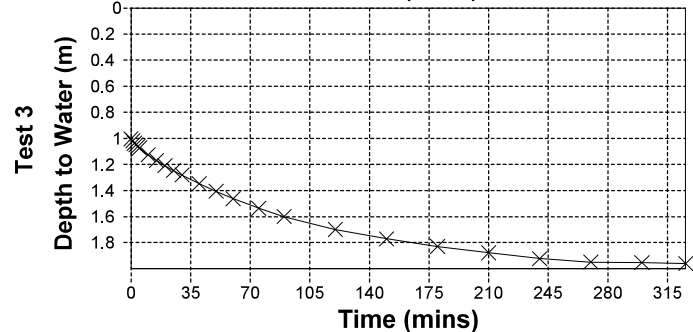
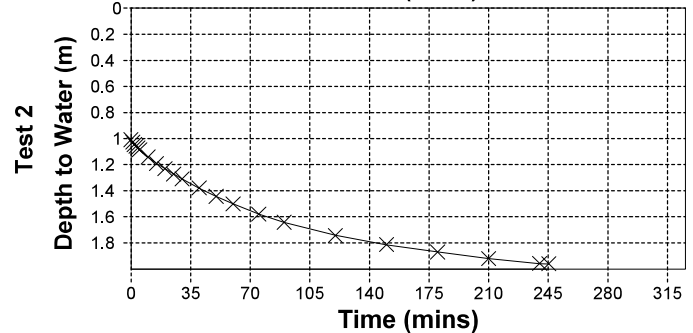
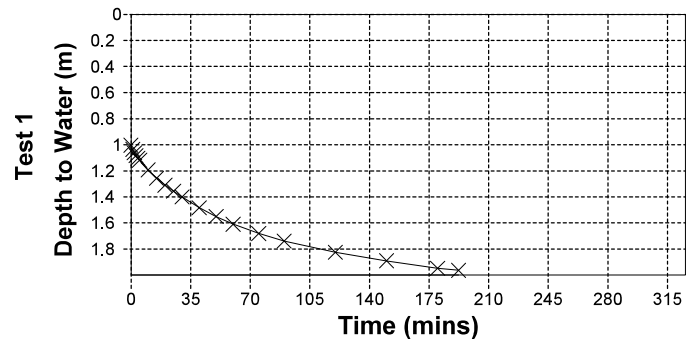
	1	2	3
Effective depth (m)	1.00	0.99	1.00
Volume outflowing between 75% & 25% (m3)*	0.10	0.10	0.10
Mean surface area through which outflow occurs (m2)	2.45	2.43	2.45
Time for outflow between 75% & 25% (min)	79.50	100.81	116.09
SOIL INFILTRATION RATE (ms⁻¹), f	8.34E-6	6.57E-6	5.71E-6

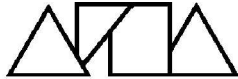
Remarks

1. Soakage testing undertaken between 1.0 and 2.0m
2. No groundwater encountered
3. Datalogger serial no. 10109040
4. Tests undertaken on consecutive days

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.004	1.008	1.005
1	1.036	1.028	1.019
2	1.061	1.045	1.037
3	1.084	1.06	1.05
4	1.103	1.072	1.062
5	1.12	1.086	1.074
10	1.193	1.142	1.126
15	1.257	1.191	1.17
20	1.31	1.231	1.21
25	1.356	1.272	1.247
30	1.40	1.31	1.281
40	1.483	1.379	1.347
50	1.551	1.444	1.406
60	1.609	1.501	1.462
75	1.681	1.579	1.536
90	1.739	1.642	1.60
120	1.825	1.743	1.699
150	1.89	1.813	1.77
180	1.948	1.87	1.829
192.333	1.963		
210		1.921	1.878
240		1.959	1.922
245.333		1.961	
270			1.949
300			1.952
325.667			1.96





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Site
 Land off Cambridge Road, Great Shelford, Cambs

Trial Pit
 Number
SA02

Excavation Method
 Machine excavated trial pit

Dimensions
 W = 0.50m x L = 1.30m x D = 2.00m

Ground Level (mOD)
Client
 Home Wood Property Developments Limited
Dates
 23/05/2022-
 26/05/2022
Agent
 Planning and Architecture

Job Number
 22.127
Sheet
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Location

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.60-0.70	D1				0.40	TOPSOIL (Light brown gravelly fine to coarse sand. Gravel is subangular to subrounded fine to coarse flint)		
					0.40	Yellow brown very gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint and chalk		
1.70-1.90	D2				1.20 becoming gravelly		
					1.60	...pockets of orange slightly silty gravelly fine to coarse sand		
					0.40	Yellow sandy subangular to subrounded fine to medium flint GRAVEL		
					2.00	Complete at 2.00m		



Remarks

1. Location CAT scanned prior to excavation
2. No groundwater encountered
3. Trial pit remained open and sidewalls stable during excavation.
4. Pit backfilled with gravel to 1.0 m and then arisings to surface
5. Soakage test performed between 1.0 m and 2.0 m

Scale (approx) 1:25	Logged By MJGG	Figure No. 22.127.SA02
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Site : Land off Cambridge Road, Great Shelford, Cambs
Client : Home Wood Property Developments Limited
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Job Number
22.127
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Location	Date	Level	Location
SA02	23/05/2022		

Pit Width (m)	0.50
Pit Depth (m)	2.00
Pit Length (m)	1.30

Soil type at test level	SAND over GRAVEL
Groundwater	Not encountered
Drain discharge depth	Not known
Sidewall stability	Stable
Stone filled or open pit	Stone filled

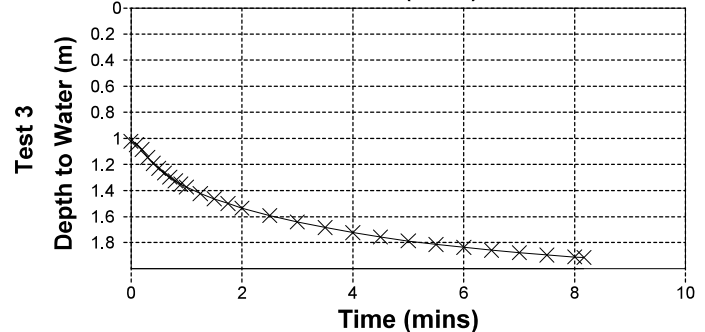
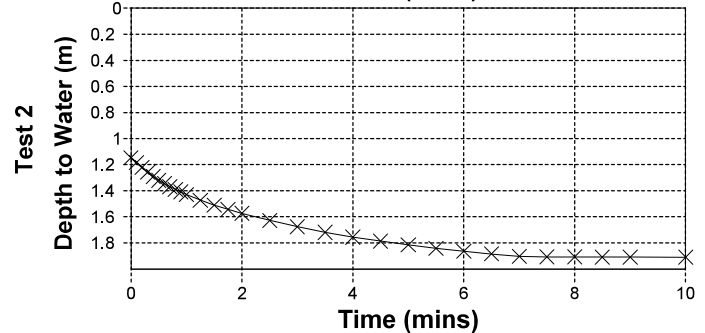
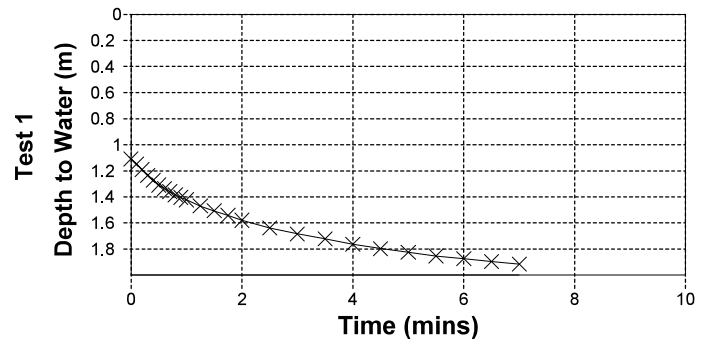
	1	2	3
Effective depth (m)	0.89	0.85	0.98
Volume outflowing between 75% & 25% (m3)*	0.09	0.08	0.10
Mean surface area through which outflow occurs (m2)	2.25	2.18	2.41
Time for outflow between 75% & 25% (min)	3.63	3.85	3.87
SOIL INFILTRATION RATE (ms⁻¹), f	1.77E-4	1.65E-4	1.71E-4

Remarks

1. Soakage testing undertaken between 1.0 and 2.0m
2. No groundwater encountered
3. Datalogger serial no. 10109020
4. Tests undertaken on consecutive days

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.108	1.147	1.023
0.1	1.149	1.184	1.049
0.2	1.191	1.221	1.086
0.3	1.236	1.258	1.146
0.4	1.274	1.291	1.192
0.5	1.309	1.32	1.23
0.6	1.335	1.345	1.265
0.7	1.36	1.369	1.297
0.8	1.384	1.39	1.326
0.9	1.404	1.41	1.351
1	1.422	1.43	1.374
1.25	1.47	1.473	1.423
1.5	1.507	1.511	1.464
1.75	1.542	1.544	1.499
2	1.579	1.574	1.535
2.5	1.638	1.628	1.592
3	1.684	1.676	1.641
3.5	1.722	1.719	1.684
4	1.763	1.756	1.723
4.5	1.797	1.786	1.757
5	1.825	1.815	1.787
5.5	1.854	1.842	1.814
6	1.874	1.864	1.836
6.5	1.896	1.885	1.858
7	1.916	1.903	1.877
7.5		1.908	1.895
8		1.908	1.909
8.167			1.914
8.5		1.909	
9		1.909	
10		1.91	





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Site
 Land off Cambridge Road, Great Shelford, Cambs

Trial Pit Number
SA03

Excavation Method
 Machine excavated trial pit

Dimensions
 W = 0.50m x L = 1.30m x D = 2.00m

Ground Level (mOD)

Client
 Home Wood Property Developments Limited

Job Number
 22.127

Location

Dates
 23/05/2022-
 26/05/2022

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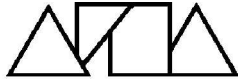
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.70-0.90	D1				0.40	TOPSOIL (Light brown gravelly fine to medium sand. Gravel is subangular to subrounded fine to coarse flint.)		
					0.40	Orange brown slightly silty gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint		
1.70-1.90	D2				1.20			
					1.60	Firm orange yellow gravelly CLAY. Gravel is subangular to subrounded fine to coarse flint. With flint cobbles		
					2.00	Complete at 2.00m		



Remarks

1. Location CAT scanned prior to excavation
2. No groundwater encountered
3. Trial pit remained open and sidewalls stable during excavation.
4. Pit backfilled with gravel to 1.0 m and then arisings to surface
5. Soakage test performed between 1.0 m and 2.0 m

Scale (approx) 1:25	Logged By MJJG	Figure No. 22.127.SA03
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Site : Land off Cambridge Road, Great Shelford, Cambs
Client : Home Wood Property Developments Limited
Agent : Planning and Architecture

Job Number
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Location	Date	Level	Location
SA03	23/05/2022		

Pit Width (m)	0.50
Pit Depth (m)	2.00
Pit Length (m)	1.30

Soil type at test level	SAND over CLAY
Groundwater	Not encountered
Drain discharge depth	Not known
Sidewall stability	Stable
Stone filled or open pit	Stone filled

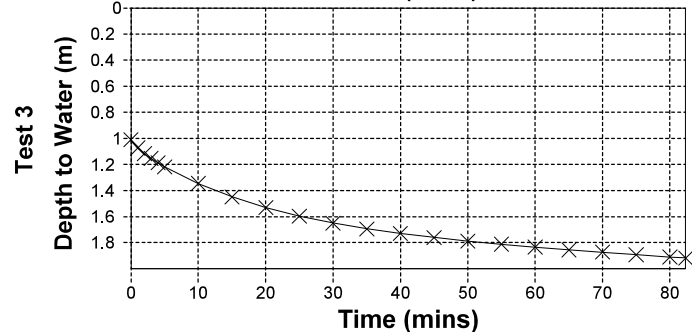
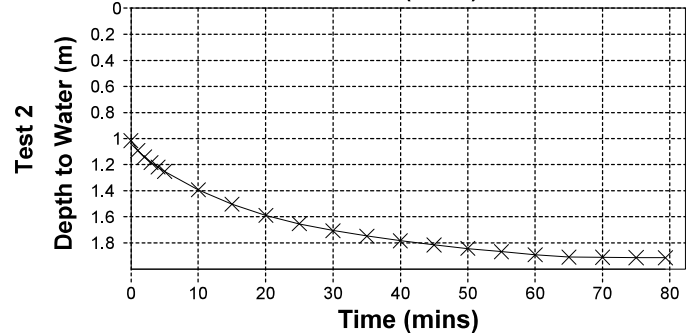
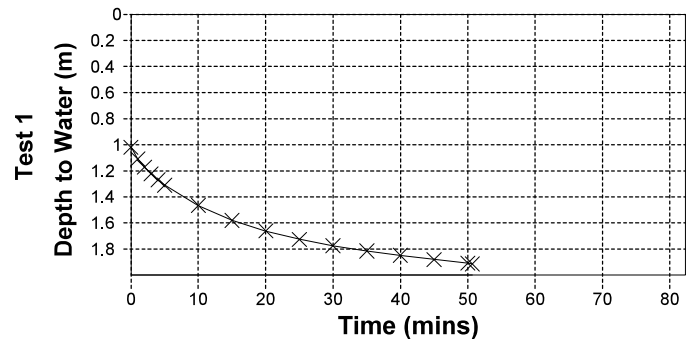
	1	2	3
Effective depth (m)	0.98	0.98	0.98
Volume outflowing between 75% & 25% (m3)*	0.10	0.10	0.10
Mean surface area through which outflow occurs (m2)	2.41	2.41	2.41
Time for outflow between 75% & 25% (min)	24.08	30.51	37.16
SOIL INFILTRATION RATE (ms⁻¹), f	2.74E-5	2.17E-5	1.78E-5

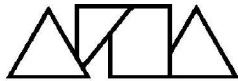
Remarks

1. Soakage testing undertaken between 1.0 and 2.0m
2. No groundwater encountered
3. Datalogger serial no. 10259020
4. Tests undertaken on consecutive days

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.019	1.016	1.011
1	1.108	1.092	1.074
2	1.171	1.142	1.117
3	1.223	1.184	1.154
4	1.269	1.219	1.187
5	1.31	1.253	1.219
10	1.466	1.393	1.346
15	1.58	1.504	1.449
20	1.662	1.589	1.531
25	1.725	1.654	1.597
30	1.775	1.706	1.65
35	1.815	1.748	1.694
40	1.849	1.784	1.729
45	1.88	1.816	1.761
50	1.909	1.843	1.788
50.667	1.914		
55		1.867	1.812
60		1.892	1.834
65		1.909	1.855
70		1.911	1.872
75		1.913	1.892
79.333		1.914	
80			1.91
82.333			1.918





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Site
 Land off Cambridge Road, Great Shelford, Cambs

Trial Pit Number
SA04

Excavation Method
 Machine excavated trial pit

Dimensions
 W = 0.50m x L = 1.30m x D = 2.00m

Ground Level (mOD)

Client
 Home Wood Property Developments Limited

Job Number
 22.127

Location

Dates
 23/05/2022-
 26/05/2022

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Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
1.20-1.40	D1				0.40	TOPSOIL (Light brown gravelly fine to medium sand. Gravel is subangular to subrounded fine to coarse flint)		
					0.40	Orange brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint		
1.80-2.00	D2				1.80 (0.20) 2.00	Friable soft to firm grey silty CLAY		
					2.00	Complete at 2.00m		



Remarks

1. Location CAT scanned prior to excavation
2. No groundwater encountered
3. Trial pit remained open and sidewalls stable during excavation.
4. Pit backfilled with gravel to 1.0 m and then arisings to surface
5. Soakage test performed between 1.0 m and 2.0 m

Scale (approx) 1:25	Logged By MJGG	Figure No. 22.127.SA04
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Site : Land off Cambridge Road, Great Shelford, Cambs
Client : Home Wood Property Developments Limited
Agent : Planning and Architecture

Job Number
22.127
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Location	Date	Level	Location
SA04	23/05/2022		

Pit Width (m)	0.50
Pit Depth (m)	2.00
Pit Length (m)	1.30

Soil type at test level	SAND over CLAY
Groundwater	Not encountered
Drain discharge depth	Not known
Sidewall stability	Stable
Stone filled or open pit	Stone filled

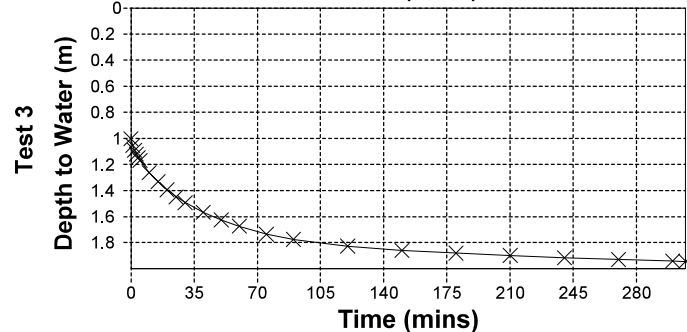
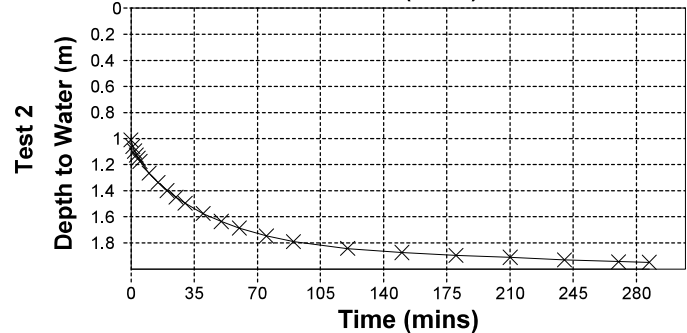
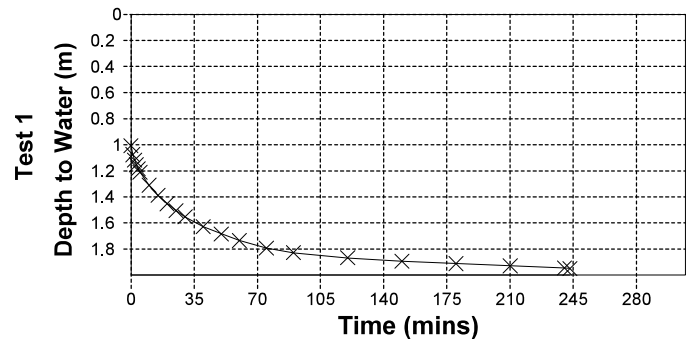
	1	2	3
Effective depth (m)	0.99	0.99	0.99
Volume outflowing between 75% & 25% (m3)*	0.10	0.10	0.10
Mean surface area through which outflow occurs (m2)	2.43	2.43	2.43
Time for outflow between 75% & 25% (min)	57.20	67.39	71.49
SOIL INFILTRATION RATE (ms⁻¹), f	1.16E-5	9.82E-6	9.28E-6

Remarks

1. Soakage testing undertaken between 1.0 and 2.0m
2. No groundwater encountered
3. Datalogger serial no. 21172010
4. Tests undertaken on consecutive days

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.007	1.01	1.003
1	1.076	1.061	1.055
2	1.118	1.096	1.092
3	1.154	1.126	1.121
4	1.184	1.151	1.147
5	1.211	1.175	1.17
10	1.311	1.266	1.263
15	1.389	1.337	1.332
20	1.452	1.398	1.395
25	1.506	1.451	1.449
30	1.553	1.496	1.493
40	1.628	1.575	1.568
50	1.684	1.636	1.626
60	1.735	1.687	1.674
75	1.792	1.747	1.735
90	1.828	1.79	1.775
120	1.867	1.843	1.827
150	1.894	1.874	1.86
180	1.912	1.896	1.88
210	1.929	1.911	1.898
240	1.945	1.931	1.916
243	1.949		
270		1.944	1.929
287		1.949	
300			1.941
307.167			1.944





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Site
 Land off Cambridge Road, Great Shelford, Cambs

Trial Pit Number
SA05

Excavation Method
 Machine excavated trial pit

Dimensions
 W = 0.50m x L = 1.20m x D = 2.00m

Ground Level (mOD)

Client
 Home Wood Property Developments Limited

Job Number
 22.127

Location

Dates
 23/05/2022-
 26/05/2022

Agent
 Planning and Architecture

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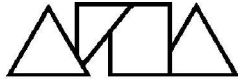
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.40-0.50	D1				0.30	TOPSOIL (Light brown gravelly fine to medium sand. Gravel is subangular to subrounded fine to coarse flint)		
					0.30	Orange brown slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint		
0.80-1.00	D2				1.40	Light yellow to white slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint and chalk pockets of orange sand		
					2.00	Complete at 2.00m		



Remarks

1. Location CAT scanned prior to excavation
2. No groundwater encountered
3. Trial pit remained open and sidewalls stable during excavation.
4. Pit backfilled with gravel to 1.0 m and then arisings to surface
5. Soakage test performed between 1.0 m and 2.0 m

Scale (approx) 1:25	Logged By MJGG	Figure No. 22.127.SA05
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Site : Land off Cambridge Road, Great Shelford, Cambs
Client : Home Wood Property Developments Limited
Agent : Planning and Architecture

Job Number
22.127
Sheet
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Location	Date	Level	Location
SA05	23/05/2022		

Pit Width (m)	0.50
Pit Depth (m)	2.00
Pit Length (m)	1.20

Soil type at test level	SAND
Groundwater	Not encountered
Drain discharge depth	Not known
Sidewall stability	Stable
Stone filled or open pit	Stone filled

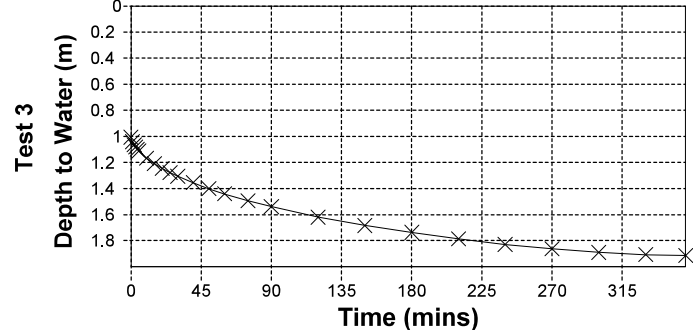
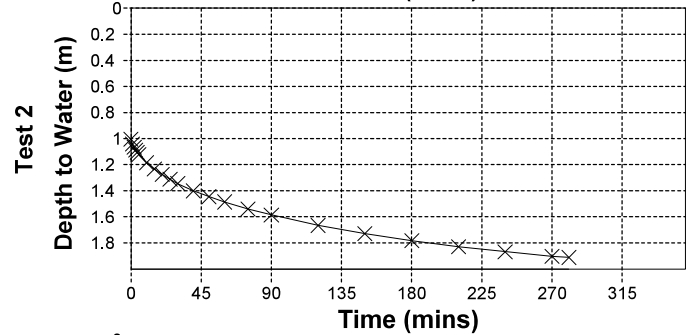
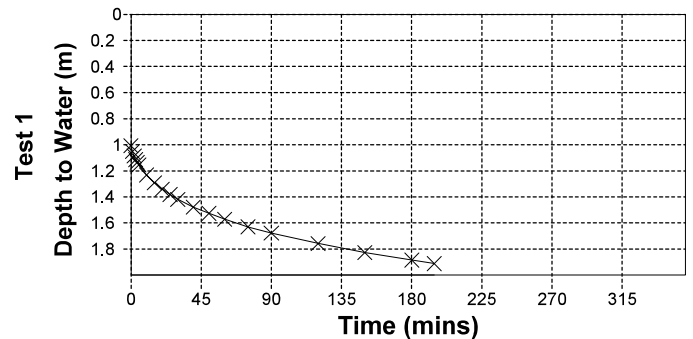
	1	2	3
Effective depth (m)	0.99	0.99	0.99
Volume outflowing between 75% & 25% (m3)*	0.09	0.09	0.09
Mean surface area through which outflow occurs (m2)	2.28	2.28	2.28
Time for outflow between 75% & 25% (min)	105.74	144.90	167.58
SOIL INFILTRATION RATE (ms⁻¹), f	6.16E-6	4.50E-6	3.89E-6

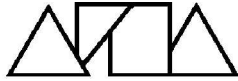
Remarks

1. Soakage testing undertaken between 1.0 and 2.0m
2. No groundwater encountered
3. Datalogger serial no. 21172050
4. Tests undertaken on consecutive days

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.007	1.004	1.007
1	1.052	1.042	1.042
2	1.086	1.067	1.064
3	1.114	1.087	1.083
4	1.134	1.106	1.099
5	1.156	1.123	1.113
10	1.233	1.186	1.168
15	1.291	1.234	1.209
20	1.34	1.275	1.246
25	1.381	1.312	1.278
30	1.418	1.345	1.306
40	1.478	1.401	1.355
50	1.526	1.445	1.401
60	1.571	1.486	1.441
75	1.63	1.54	1.494
90	1.678	1.586	1.539
120	1.758	1.666	1.62
150	1.827	1.729	1.684
180	1.884	1.783	1.737
194.5	1.912		
210		1.829	1.786
240		1.868	1.829
270		1.903	1.862
280.833		1.912	
300			1.89
330			1.907
355.667			1.914





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Geotechnical Engineers

Site
 Land off Cambridge Road, Great Shelford, Cambs

Trial Pit Number
SA06

Excavation Method
 Machine excavated trial pit

Dimensions
 W = 0.50m x L = 1.40m x D = 2.00m

Ground Level (mOD)
Dates
 23/05/2022-
 26/05/2022

Client
 Home Wood Property Developments Limited

Job Number
 22.127

Location

Agent
 Planning and Architecture

Sheet
 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.60-0.80	D1				0.40	TOPSOIL (Light brown gravelly fine to medium sand. Gravel is subangular to subrounded fine to coarse flint)		
					0.40	Light yellow to white gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint and chalk		
1.20-1.40	D2				0.90	Orange brown slightly silty gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint		
					2.00	Complete at 2.00m		



Remarks

1. Location CAT scanned prior to excavation
2. No groundwater encountered
3. Trial pit remained open and sidewalls stable during excavation.
4. Pit backfilled with gravel to 1.0 m and then arisings to surface
5. Soakage test performed between 1.0 m and 2.0 m

Scale (approx) 1:25	Logged By MJJG	Figure No. 22.127.SA06
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Site : Land off Cambridge Road, Great Shelford, Cambs
Client : Home Wood Property Developments Limited
Agent : Planning and Architecture

Job Number
22.127
Sheet
1 / 1

Location	Date	Level	Location
SA06	23/06/2022		

Pit Width (m)	0.50
Pit Depth (m)	2.00
Pit Length (m)	1.40

Soil type at test level	SAND
Groundwater	Not encountered
Drain discharge depth	Not known
Sidewall stability	Stable
Stone filled or open pit	Stone filled

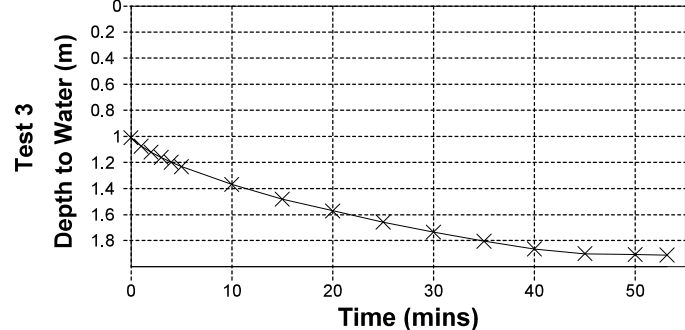
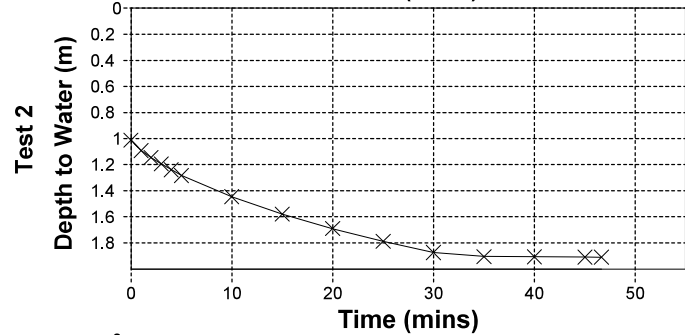
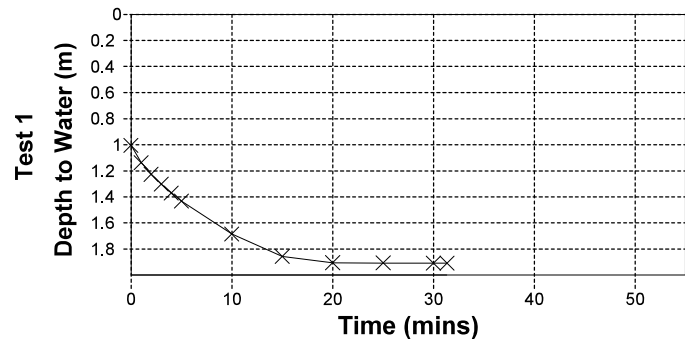
	1	2	3
Effective depth (m)	1.00	0.99	0.99
Volume outflowing between 75% & 25% (m3)*	0.11	0.10	0.10
Mean surface area through which outflow occurs (m2)	2.60	2.58	2.58
Time for outflow between 75% & 25% (min)	9.57	18.74	25.39
SOIL INFILTRATION RATE (ms ⁻¹), f	7.03E-5	3.58E-5	2.64E-5

Remarks

1. Soakage testing undertaken between 1.0 and 2.0m
2. No groundwater encountered
3. Datalogger serial no. 21172060
4. Tests undertaken on consecutive days

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.005	1.011	1.01
1	1.137	1.091	1.075
2	1.227	1.146	1.122
3	1.301	1.194	1.162
4	1.37	1.239	1.199
5	1.432	1.283	1.232
10	1.685	1.446	1.369
15	1.857	1.579	1.481
20	1.905	1.691	1.571
25	1.906	1.788	1.658
30	1.908	1.874	1.734
31.333	1.908		
35		1.905	1.804
40		1.907	1.864
45		1.909	1.90
46.667		1.91	
50			1.906
53.167			1.91





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Site
Land off Cambridge Road, Great Shelford, Cambs

Trial Pit
Number
SA07

Excavation Method Machine excavated trial pit	Dimensions W = 0.50m x L = 1.40m x D = 2.00m	Ground Level (mOD)	Client Home Wood Property Developments Limited	Job Number 22.127
	Location	Dates 23/05/2022- 26/05/2022	Agent Planning and Architecture	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.80-1.00	D1				0.40	TOPSOIL (Light brown gravelly fine to medium sand. Gravel is subangular to subrounded fine to coarse flint)		
					0.40	Yellow brown sandy subangular to subrounded fine to coarse flint GRAVEL		
					(1.60) pockets of orange sand		
					2.00	Complete at 2.00m		



Remarks

1. Location CAT scanned prior to excavation
2. No groundwater encountered
3. Trial pit remained open and sidewalls stable during excavation.
4. Pit backfilled with gravel to 1.0 m and then arisings to surface
5. Soakage test performed between 1.0 m and 2.0 m

Scale (approx)	Logged By	Figure No.
1:25	MJJG	22.127.SA07



Site : Land off Cambridge Road, Great Shelford, Cambs
Client : Home Wood Property Developments Limited
Agent : Planning and Architecture

Job Number
22.127
Sheet
1 / 1

Location	Date	Level	Location
SA07	23/06/2022		

Pit Width (m)	0.50
Pit Depth (m)	2.00
Pit Length (m)	1.40

Soil type at test level	GRAVEL
Groundwater	Not encountered
Drain discharge depth	Not known
Sidewall stability	Stable
Stone filled or open pit	Stone filled

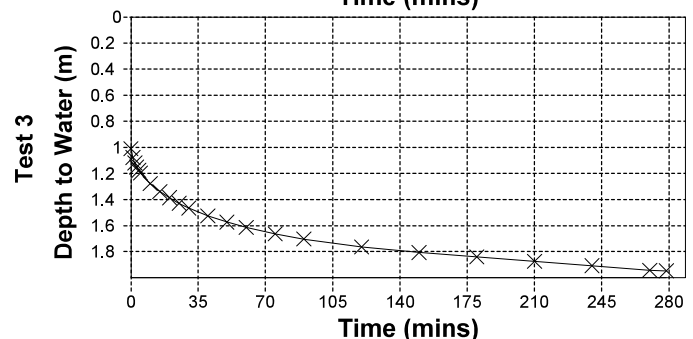
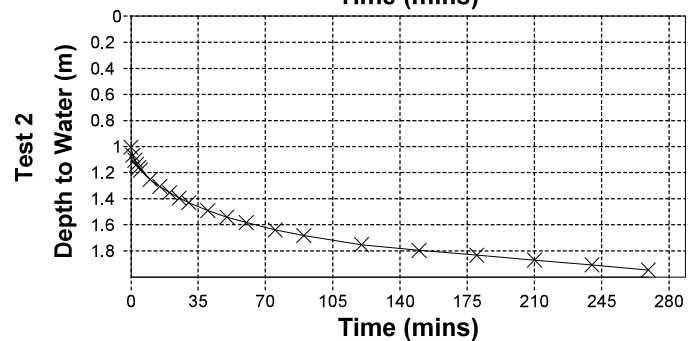
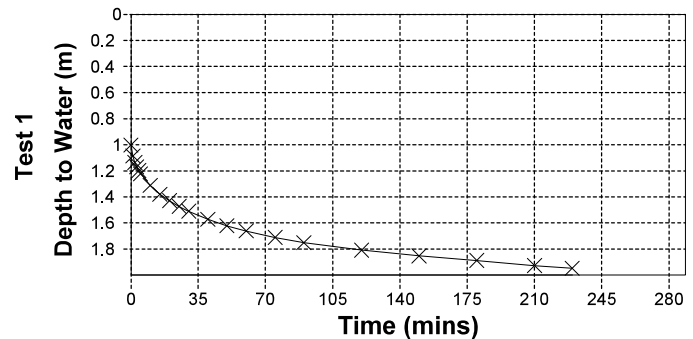
	1	2	3
Effective depth (m)	1.00	1.00	0.99
Volume outflowing between 75% & 25% (m3)*	0.11	0.11	0.10
Mean surface area through which outflow occurs (m2)	2.60	2.60	2.58
Time for outflow between 75% & 25% (min)	83.23	109.14	105.53
SOIL INFILTRATION RATE (ms⁻¹), f	8.09E-6	6.17E-6	6.36E-6

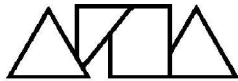
Remarks

1. Soakage testing undertaken between 1.0 and 2.0m
2. No groundwater encountered
3. Datalogger serial no. 21172070
4. Tests undertaken on consecutive days

* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.003	1.004	1.01
1	1.086	1.067	1.078
2	1.136	1.105	1.12
3	1.17	1.136	1.151
4	1.198	1.159	1.176
5	1.222	1.181	1.198
10	1.312	1.253	1.278
15	1.379	1.306	1.338
20	1.429	1.353	1.386
25	1.473	1.394	1.429
30	1.51	1.43	1.465
40	1.572	1.491	1.526
50	1.622	1.541	1.573
60	1.662	1.583	1.614
75	1.711	1.639	1.664
90	1.751	1.683	1.704
120	1.808	1.753	1.764
150	1.852	1.796	1.806
180	1.888	1.833	1.84
210	1.927	1.871	1.875
229.667	1.948		
240		1.908	1.908
269.333		1.947	
270			1.943
278.667			1.947





A F Howland Associates
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Site
 Land off Cambridge Road, Great Shelford, Cambs

Trial Pit Number
TP01

Excavation Method Machine excavated trial pit	Dimensions W = 0.50m x L = 2.00m x D = 3.50m	Ground Level (mOD)	Client Home Wood Property Developments Limited	Job Number 22.127
	Location	Dates 23/05/2022	Agent Planning and Architecture	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10-0.20	D1				0.30	TOPSOIL (Light brown gravelly fine to medium sand. Gravel is subangular to subrounded fine to coarse flint with some rootlets)		
0.60-0.80	D 2				0.70	Orange brown slightly silty gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint and chalk		
2.00-2.40	D3				1.30	Yellow slightly silty slightly gravelly fine to medium SAND. Gravel is subangular to subrounded fine to coarse flint and chalk ...becoming orange		
2.60-2.80	D4				2.30	Soft grey sandy CLAY		
			Seepage(1) at 3.50m.		3.50	Complete at 3.50m		▽1



Remarks

1. Location CAT scanned prior to excavation
2. Groundwater encountered at 3.50m
3. Trial pit remained open and sidewalls stable during excavation.
4. Trial pit backfilled with arisings upon completion.

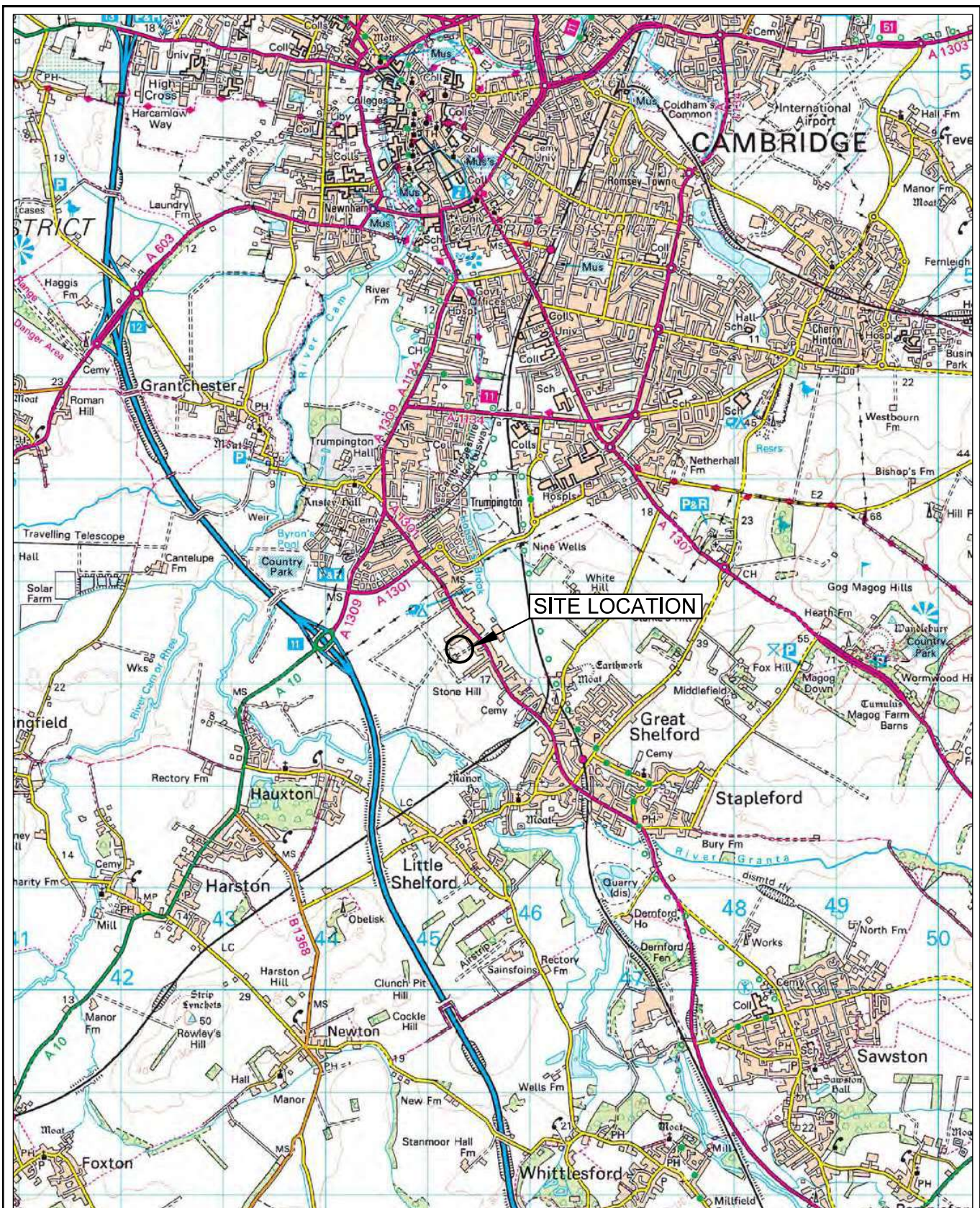
Scale (approx) 1:25	Logged By MJJG	Figure No. 22.127.TP01
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APPENDIX D: DRAWINGS

Drawing 22.127/01 Site Location Plan

Drawing 22.127/02 Exploratory Hole Location Plan





North



Circle indicates approximate location of site

Scale 1: 50,000 @ A4

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A F Howland Associates
Geotechnical Engineers

Site: Land off Cambridge Road, Great Shelford, Cambs

SITE LOCATION PLAN

Client : Home Wood Property Developments Limited

Date : June 2022

Dwg : 22.127/01