

Your Ref:
Our Ref: SHF.710.011.GE.R.001.A

Date: 31 October 2024
Email: steve.rhodes@enzygo.com

Dean Trowbridge
Boningale Homes Ltd
Longhouse Office
56 High Street
Albrighton
Wolverhampton
WV7 3JH

By Email: dean.trowbridge@boningalehomes.co.uk

Dear Dean

RE: Land of Patshull Road, Albrighton, WV7 3BH

Enzygo Geoenvironmental Ltd have undertaken soakaway testing at the above named, together with installation of groundwater monitoring wells. Locations of the soakaways and monitoring wells are shown on the attached Drawing SHF.710011.ENZ-XX-XX-DR-G-0001.

Site Works

Seven soakaway test locations were undertaken at the site on the 10th and 11th October 2024. The locations of the soakaways are shown on Drawing SHF.710011.ENZ-XX-XX-DR-G-0001 and were located to target the proposed attenuation basins.

Groundwater monitoring wells were installed within Borehole BH1 to BH4. The locations are presented on Drawing SHF.710011.ENZ-XX-XX-DR-G-0001. Monitoring wells were located to provide site coverage and also target the geological changes across the site. The boreholes were advanced using rotary methods to depths of 5m below ground level (bgl).

Ground Conditions

Ground conditions comprise topsoil like Made Ground over clayey sand and sandy clay becoming mudstone with depth.

Soakaway Test Results

Soil infiltration tests were undertaken in accordance with the principles of BRE 365. Results of the soakaway testing are attached and are summarised on the table below:

Soakaway Test	Depth (m)	Soil	Test number	Soil Infiltration Rate (m/s)
SA1	2.0	Clayey sand and sandy clay	Test 1	Insufficient soakage
SA2	2.1	Clayey sand and sandy clay	Test 1	Insufficient soakage
SA3	2.1	Clayey sand and sandy clay	Test 1	Insufficient soakage
SA4	1.2	Silty sand	Test 1	Insufficient soakage
SA5	2.0	Silty sand	Test 1	Insufficient soakage
SA6	2.0	Sandy clay	Test 1	Insufficient soakage
SA7	2.0	Clayey sand and sandy clay	Test 1	Insufficient soakage

Groundwater monitoring results are attached.

Yours sincerely,
For and on behalf of Enzygo

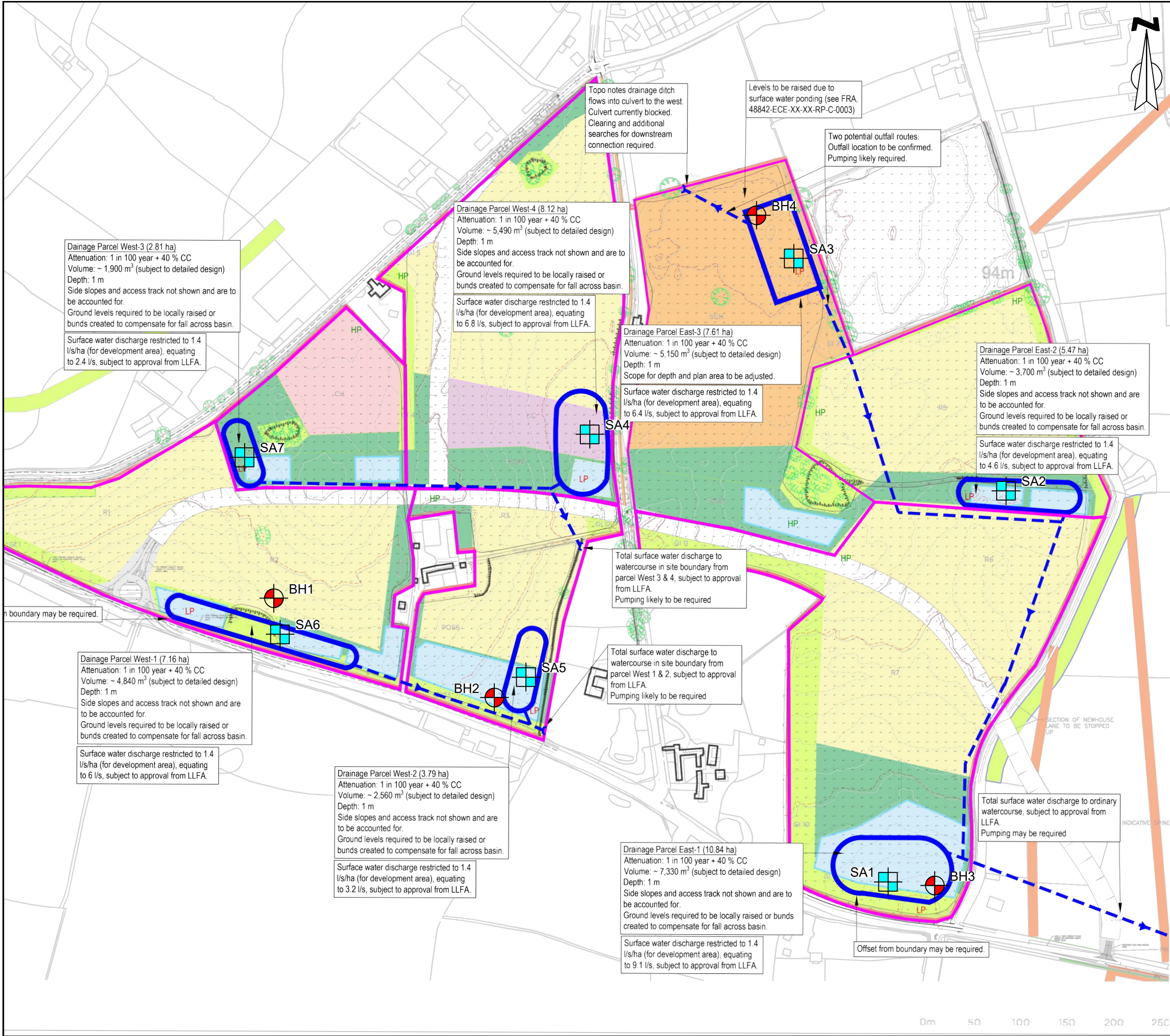


Steve Rhodes BSc(hon) MSc DIC CEng CGeol MIMMM MEnvSc FGS

Director

Enzygo Geoenvironmental Ltd

Drawing



KEY:

- Boreholes (BH1-BH4)
- Soak Away Pits (SA1-SA7)

NOTES:

DO NOT SCALE FROM THIS DRAWING

ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND DOCUMENTS ASSOCIATED WITH THIS PROJECT.

ALL EXISTING AND PROPOSED DIMENSIONS, LEVELS AND LOCATIONS TO BE CHECKED AND VERIFIED BY THE MAIN CONTRACTOR ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS AND ANY ANOMALIES REPORTED TO THE ENGINEER.

P01	04.11.24	Issued for comment / approval	LB	SR	SR
Rev	Date	Description	DRA	CHK	APP

Project
Albrighton South

Client
Boningdale Homes Ltd

Drawing Title
Site Plan

Scale NTS @ A3	Date 04.11.24	Status Preliminary
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DWG No. SHF710011-ENZ-XX-XX-DR-G-0001	Revision P01
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Bristol

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Manchester

0161 413 6444

Sheffield

0114 321 5151

Cardiff

02920 023 700

Cambridge

01799 542 473

Belfast

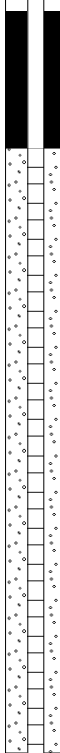
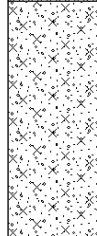
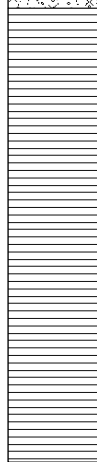
07377673948

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Percussion Drilling Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Marshall's		Drilling Equipment: Commacchio	
Borehole Number BH01	Hole Type RO	Level	Logged By DJ	Scale 1:50	Page Number Sheet 1 of 1

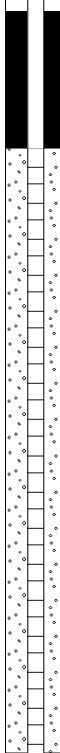
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40			MADE GROUND: Stubble over brown silty gravelly fine and medium SAND with abundant rootlets. Gravel is sub angular to well rounded, fine to coarse Mudstone and Quartzite.	1
					2.00			Reddish brown, slightly gravelly silty SAND. Gravel is sub rounded to well rounded Mudstone.	2
								Mudstone. (Drilling disturbed recovered as chippings).	3
									4
					5.00			End of Borehole at 5.00m	5
									6
									7
									8
									9
									10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks Hand dug inspection pit 0.0-1.20m bgl. Comacchio 205 Rotary Percussive rig, open hole drilled 1.20-5.00m, Casing used 0.00-4.00m (140mm diam). Groundwater encountered at 1.25m bgl. Recovered as slop. a On completion a 50mm standpipe and flush cover was installed. The borehole was backfilled with bentonite pellets 0.00 to 1.00m, with a gravel response zone 1.00 to 5.00m.										
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Percussion Drilling Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Marshall's		Drilling Equipment: Commacchio	
Borehole Number BH02	Hole Type RO	Level	Logged By DJ	Scale 1:50	Page Number Sheet 1 of 1

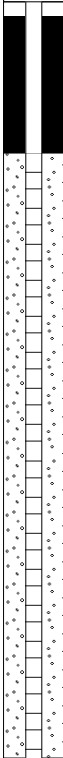
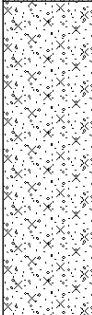
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20			MADE GROUND: Stubble over brown silty gravelly fine and medium SAND with abundant rootlets. Gravel is sub angular to well rounded, fine to coarse Mudstone and Quartzite. Reddish brown, slightly gravelly silty SAND. Gravel is sub rounded to well rounded Mudstone.	1
					2.00			Mudstone. (Drilling disturbed recovered as chippings).	2
									3
									4
					5.00			End of Borehole at 5.00m	5
									6
									7
									8
									9
									10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks Hand dug inspection pit 0.0-1.20m bgl. Comacchio 205 Rotary Percussive rig, open hole drilled 1.20-5.00m, Casing used 0.00-4.00m (140mm diam). Groundwater encountered at 1.50m bgl. Recovered as slop. a On completion a 50mm standpipe and flush cover was installed. The borehole was backfilled with bentonite pellets 0.00 to 1.00m, with a gravel response zone 1.00 to 5.00m.										
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Percussion Drilling Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Marshall's		Drilling Equipment: Commacchio	
Borehole Number BH03	Hole Type RO	Level	Logged By DJ	Scale 1:50	Page Number Sheet 1 of 1

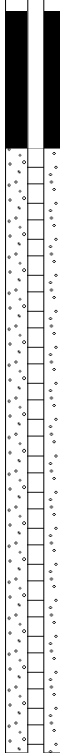
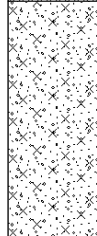
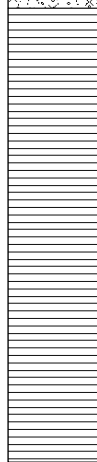
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40			MADE GROUND: Stubble over brown silty gravelly fine and medium SAND with abundant rootlets. Gravel is sub angular to well rounded, fine to coarse Mudstone and Quartzite.	1
								Reddish brown, slightly gravelly silty SAND. Gravel is sub rounded to well rounded Mudstone.	2
					2.50			Mudstone and Sandstone bands. (Drilling disturbed recovered as chippings).	3
									4
					5.00			End of Borehole at 5.00m	5
									6
									7
									8
									9
									10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks Hand dug inspection pit 0.0-1.20m bgl. Comacchio 205 Rotary Percussive rig, open hole drilled 1.20-5.00m, Casing used 0.00-4.00m (140mm diam). Groundwater encountered at 1.65m bgl. Recovered as slop. a On completion a 50mm standpipe and flush cover was installed. The borehole was backfilled with bentonite pellets 0.00 to 1.00m, with a gravel response zone 1.00 to 5.00m.										
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Percussion Drilling Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Marshall's		Drilling Equipment: Commacchio	
Borehole Number BH04	Hole Type RO	Level	Logged By DJ	Scale 1:50	Page Number Sheet 1 of 1

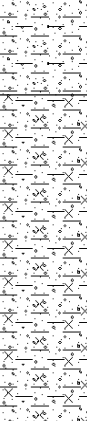
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40		 	MADE GROUND: Stubble over brown silty gravelly fine and medium SAND with abundant rootlets. Gravel is sub angular to well rounded, fine to coarse Mudstone and Quartzite. Reddish brown, slightly gravelly silty SAND. Gravel is sub rounded to well rounded Mudstone.	1
					2.00			Mudstone. (Drilling disturbed recovered as chippings)	2
									3
									4
					5.00			End of Borehole at 5.00m	5
									6
									7
									8
									9
									10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks
 Hand dug inspection pit 0.0-1.20m bgl. Comacchio 205 Rotary Percussive rig, open hole drilled 1.20-5.00m, Casing used 0.00-4.00m (140mm diam). Groundwater encountered at 1.65m bgl. Recovered as slop. a On completion a 50mm standpipe and flush cover was installed. The borehole was backfilled with bentonite pellets 0.00 to 1.00m, with a gravel response zone 1.00 to 5.00m.

Trial Pit Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Pammenta		Equipment: 3T Excavator	
Location Number SA01	Location Type TP	Level	Logged By DJ	Scale 1:25	Page Number Sheet 1 of 1

Well	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Results					
				0.30			MADE GROUND: Crops over dark brown, slightly gravelly silty, fine and medium SAND with rare ash. Gravel is sub rounded to well rounded, fine and medium Mudstone.	
				0.90			Reddish brown, slightly gravelly very sandy CLAY locally tending to clay SAND. Gravel is sub rounded to well rounded Mudstone.	0.5
				2.00			Reddish brown, slightly gravelly, slightly sandy silty CLAY. Sand is fine. Gravel is sub rounded to well rounded fine and medium Mudstone.	1.0 1.5
							End of Borehole at 2.00m	2.0 2.5 3.0 3.5 4.0 4.5 5.0

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.20	0.40	Sides remained stable					

Remarks
Machine excavated to 2.00m bgl. Trial pit sides remained stable and vertical. Groundwater not encountered. Services not encountered. Soakaway test undertaken at 1.00m. On completion, the trial pit was backfilled with material arising.

Trial Pit Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Pammenta		Equipment: 3T Excavator	
Location Number SA02	Location Type TP	Level	Logged By DJ	Scale 1:25	Page Number Sheet 1 of 1

Well	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Results					
				0.30			MADE GROUND: Stubble over dark brown, slightly gravelly silty, fine and medium SAND with rare ash. Gravel is sub rounded to well rounded, fine and medium Mudstone.	
				0.80			Reddish brown, slightly gravelly very sandy CLAY locally tending to clay SAND. Gravel is sub rounded to well rounded Mudstone.	0.5
				2.10			Reddish brown, slightly gravelly very sandy CLAY locally tending to clay SAND. Gravel is sub rounded to well rounded Mudstone.	1.0 1.5 2.0
							End of Borehole at 2.10m	2.5 3.0 3.5 4.0 4.5 5.0

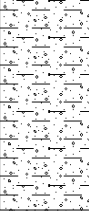
Dimensions			Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
1.50	0.40	Sides remained stable						

Remarks
Machine excavated to 2.10m bgl. Trial pit sides remained stable and vertical. Groundwater not encountered. Services not encountered. Soakaway test undertaken at 1.00m. On completion, the trial pit was backfilled with material arising.



Trial Pit Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Pammenta		Equipment: 3T Excavator	
Location Number SA03	Location Type TP	Level	Logged By DJ	Scale 1:25	Page Number Sheet 1 of 1

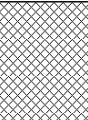
Well	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Results					
				0.30			MADE GROUND: Dark brown silty gravelly fine to coarse SAND, with abundant rootlets. Gravel is sub angular to well rounded, fine and medium Mudstone.	
							Reddish brown, gravelly fine to coarse silty SAND, Gravel is sub rounded to well rounded, fine and medium Mudstone.	0.5
				1.40			Firm, reddish brown, slightly gravelly slightly sandy CLAY. Sand is fine. Gravel is rounded and well rounded, fine and medium Mudstone.	1.5
				2.10			End of Borehole at 2.10m	2.0
								2.5
								3.0
								3.5
								4.0
								4.5
								5.0

Dimensions			Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
1.20	0.40	Sides remained stable						

Remarks
Machine excavated to 2.10m bgl. Trial pit sides remained stable and vertical. Groundwater not encountered. Services not encountered. Soakaway test undertaken at 1.10m. On completion, the trial pit was backfilled with material arising.

Trial Pit Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Pammenta		Equipment: 3T Excavator	
Location Number SA04	Location Type TP	Level	Logged By DJ	Scale 1:25	Page Number Sheet 1 of 1

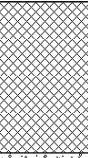
Well	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Results					
				0.40			MADE GROUND: Stubble over reddish brown slightly gravelly silty fine and medium SAND, with abundant rootlets and frequent roots. Gravel is sub angular to well rounded, fine to coarse Sandstone and Mudstone.	
							Reddish brown, silty gravelly fine and medium SAND. Gravel is sub rounded to well rounded, fine and medium Mudstone.	0.5
				1.20				1.0
								1.5
								2.0
							End of Borehole at 2.00m	2.5
								3.0
								3.5
								4.0
								4.5
								5.0

Dimensions			Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
1.40	0.40	Sides remained stable						

Remarks Machine excavated to refusal on Mudstone at 1.20m bgl. Trial pit sides remained stable and vertical. Groundwater not encountered. Services not encountered. Soakaway test undertaken at 0.40m. On completion, the trial pit was backfilled with material arisings.								
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Trial Pit Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Pammenta		Equipment: 3T Excavator	
Location Number SA05	Location Type TP	Level	Logged By DJ	Scale 1:25	Page Number Sheet 1 of 1

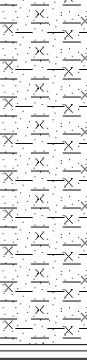
Well	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Results					
				0.50			MADE GROUND: Stubble over brown, gravelly fine to coarse SAND, with abundant rootlets. Gravel is sub rounded to well rounded, fine and medium Sandstone and Mudstone.	0.5
							Brownish greyish orange, slightly gravelly, medium and coarse SAND. Gravel is sub rounded to well rounded, fine to coarse Mudstone and Quartzite.	1.0
				1.50			Brownish red, with rare grey mottling, silty gravelly fine and medium SAND, locally tending to sandy clay. Gravel is sub rounded to well rounded grey and red Mudstone.	1.5
				2.00			End of Borehole at 2.00m	2.0
								2.5
								3.0
								3.5
								4.0
								4.5
								5.0

Dimensions			Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
1.50	0.40	Sides remained stable						

Remarks
Machine excavated to 2.00m bgl. Trial pit sides remained stable and vertical. Groundwater not encountered. Services not encountered. Soakaway test undertaken at 1.03m. On completion, the trial pit was backfilled with material arising.

Trial Pit Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Pammenta		Equipment: 3T Excavator	
Location Number SA06	Location Type TP	Level	Logged By DJ	Scale 1:25	Page Number Sheet 1 of 1

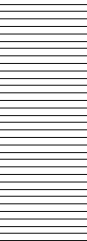
Well	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Results					
				0.30			MADE GROUND: Stubble over Brown slightly gravelly silty fine and medium SAND with abundant rootlets and rare ashy fragments. Gravel is sub rounded to well rounded, fine and medium Mudstone.	
				0.80			Dark reddish brown, silty gravelly fine and medium SAND. Gravel is sub angular to well rounded, fine and medium Mudstone.	0.5
				1.95			Reddish brown, sandy silty CLAY with rare Mudstone gravels. Sand is fine and medium.	1.0
				2.00			Mudstone	2.0
							End of Borehole at 2.00m	
								2.5
								3.0
								3.5
								4.0
								4.5
								5.0

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.20	0.40	Sides remained stable					

Remarks
Machine excavated to 2.00m bgl. Trial pit sides remained stable and vertical. Groundwater not encountered. Services not encountered. Soakaway test undertaken at 0.95m. On completion, the trial pit was backfilled with material arising.

Trial Pit Log

Project Name: Albrighton South		Client: Boningale Homes Ltd		Date: 10/10/2024 - 11/10/2024	
Location: Patshull Road, Albrighton, Shropshire, WV7 3BH		Contractor: Enzygo			
Project No. : SHF.710.011		Crew Name: Pammenta		Equipment: 3T Excavator	
Location Number SA07	Location Type TP	Level	Logged By DJ	Scale 1:25	Page Number Sheet 1 of 1

Well	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth (m)	Type	Results					
				0.30			MADE GROUND: Stubble over brown silty gravelly fine and medium SAND with abundant rootlets. Gravel is sub angular to well rounded, fine to coarse Mudstone and Quartzite.	
							Brownish red, silty gravelly fine to coarse SAND. Gravel is sub angular to well rounded, fine and medium Mudstone and Quartzite.	0.5
				1.20			Brown, weathered Mudstone CLAY.	1.5
				2.00			End of Borehole at 2.00m	2.0
								2.5
								3.0
								3.5
								4.0
								4.5
								5.0

Dimensions			Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks		Date	Rate	Remarks
1.30	0.40	Sides remained stable						

Remarks Machine excavated to 2.00m bgl. Trial pit sides remained stable and vertical. Groundwater not encountered. Services not encountered. Soakaway test undertaken at 1.00m. On completion, the trial pit was backfilled with material arising.							
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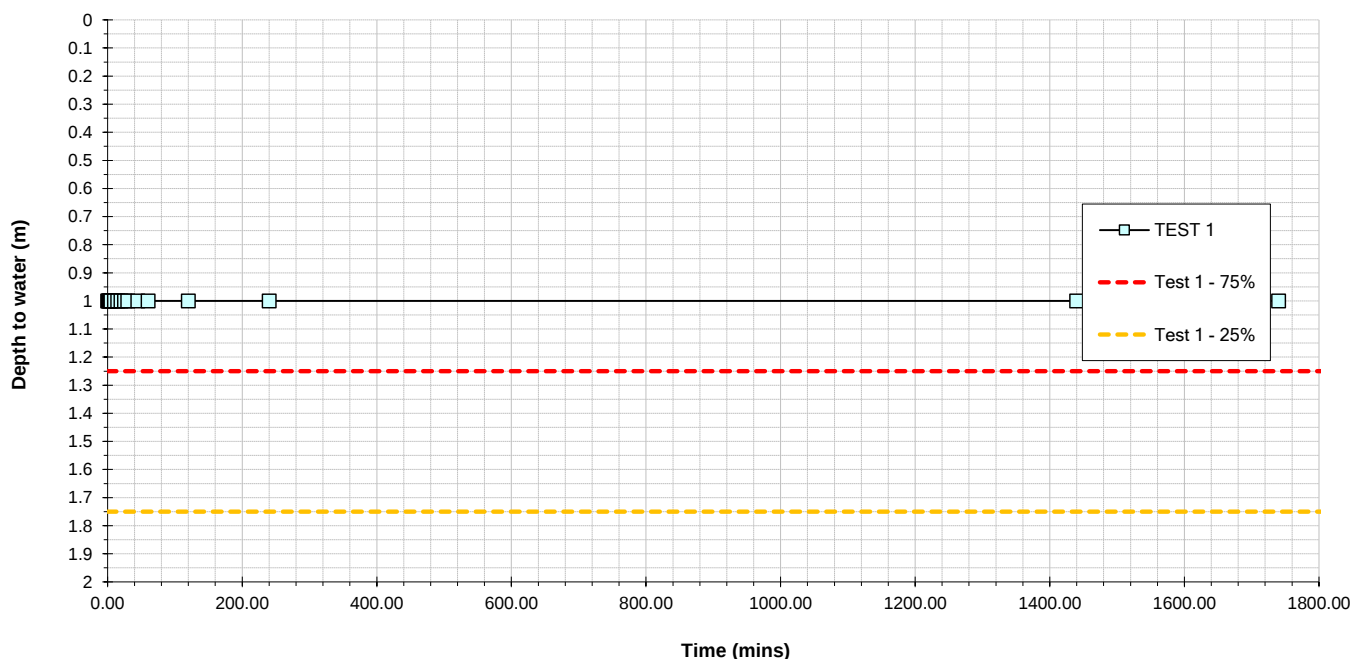
Site..... Albrighton South
 Job Number..... SHF.710.011
 Date of Test..... 10.11.24 & 11.10.24

Soakaway Number..... SA1
 Length..... 1.20 m
 Width..... 0.40 m
 Depth..... 2.00 m
 Groundwater Level..... Dry m

SOIL INFILTRATION RATE TEST
 See B.R.E. Digest 365, 1991, Soakaway Design.

Remarks -	TEST 1		TEST 2		TEST 3	
	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
	0.0	1.00				
	1.0	1.00				
	2.0	1.00				
	3.0	1.00				
	4.0	1.00				
	5.0	1.00				
	10.0	1.00				
	15.0	1.00				
	20.0	1.00				
	25.0	1.00				
	30.0	1.00				
	45.0	1.00				
	60.0	1.00				
	120.00	1.00				
	240.00	1.00				
	1440.00	1.00				
	1740.00	1.00				
Effective Storage Depth	m	1.00				
75% Effective Storage Depth	m	0.75				
(i.e. depth below GL)	m	1.25				
25% Effective Storage Depth	m	0.25				
(i.e. depth below GL)	m	1.75				
Effective Storage Depth 75%-25%	m	0.50				
Time to fall to 75% effective depth	mins	n/a				
Time to fall to 25% effective depth	mins	n/a				
V (75%-25%)	m3	0.24				
a (50%)	m2	2.08				
t (75%-25%)	mins	n/a				
SOIL INFILTRATION RATE	m/s	N/A				

DESIGN SOIL INFILTRATION RATE, f Insufficient uptake to calculate infiltration rate m/s



Compiled By:	Date:	Checked By:	Date:	Approved By:	Date:
G.Parr	14.10.24	M.Ward	14.10.24	S.Rhodes	14.10.24



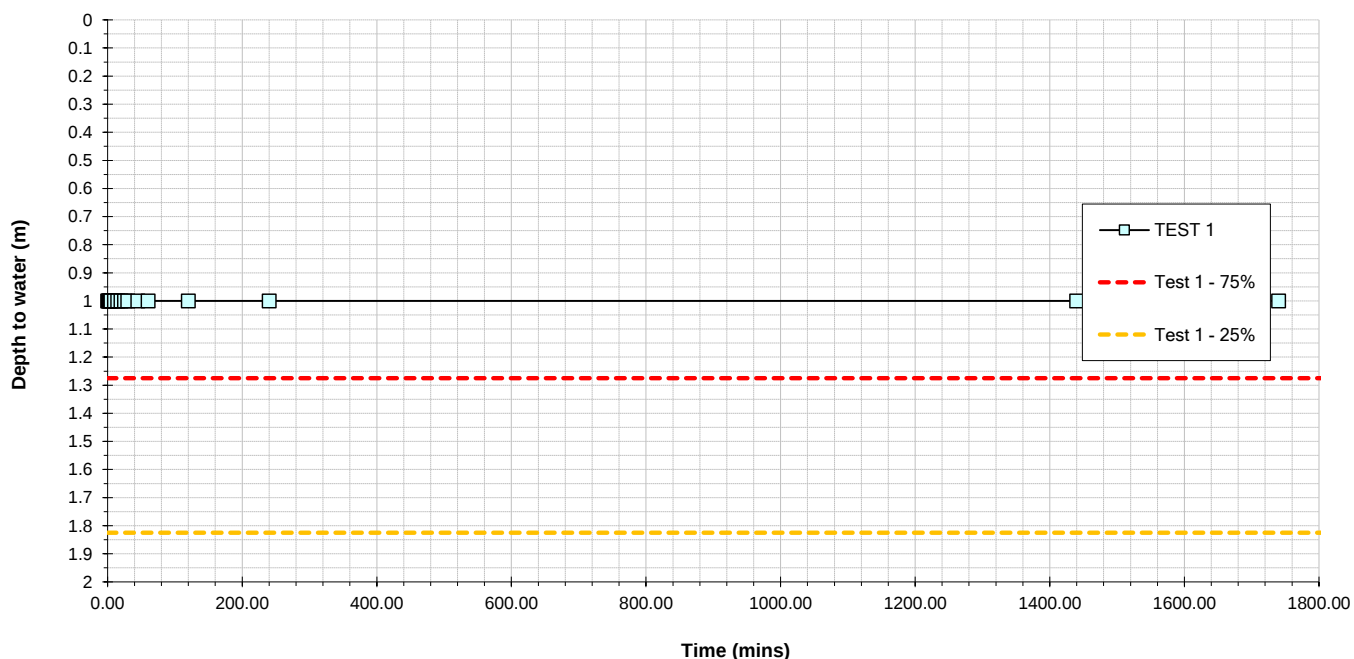
Site..... Albrighton South
 Job Number..... SHF.710.011
 Date of Test..... 10.11.24 & 11.10.24

Soakaway Number..... SA2
 Length..... 1.60 m
 Width..... 0.40 m
 Depth..... 2.10 m
 Groundwater Level..... Dry m

SOIL INFILTRATION RATE TEST
 See B.R.E. Digest 365, 1991, Soakaway Design.

Remarks -	TEST 1		TEST 2		TEST 3	
	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
	0.0	1.00				
	1.0	1.00				
	2.0	1.00				
	3.0	1.00				
	4.0	1.00				
	5.0	1.00				
	10.0	1.00				
	15.0	1.00				
	20.0	1.00				
	25.0	1.00				
	30.0	1.00				
	45.0	1.00				
	60.0	1.00				
	120.00	1.00				
	240.00	1.00				
	1440.00	1.00				
	1740.00	1.00				
Effective Storage Depth	m	1.10				
75% Effective Storage Depth	m	0.83				
(i.e. depth below GL)	m	1.28				
25% Effective Storage Depth	m	0.28				
(i.e. depth below GL)	m	1.83				
Effective Storage Depth 75%-25%	m	0.55				
Time to fall to 75% effective depth	mins	n/a				
Time to fall to 25% effective depth	mins	n/a				
V (75%-25%)	m3	0.35				
a (50%)	m2	2.84				
t (75%-25%)	mins	n/a				
SOIL INFILTRATION RATE	m/s	N/A				

DESIGN SOIL INFILTRATION RATE, f **Insufficient uptake to calculate infiltration rate** m/s



Compiled By:	Date:	Checked By:	Date:	Approved By:	Date:
G.Parr	14.10.24	M.Ward	14.10.24	S.Rhodes	14.10.24



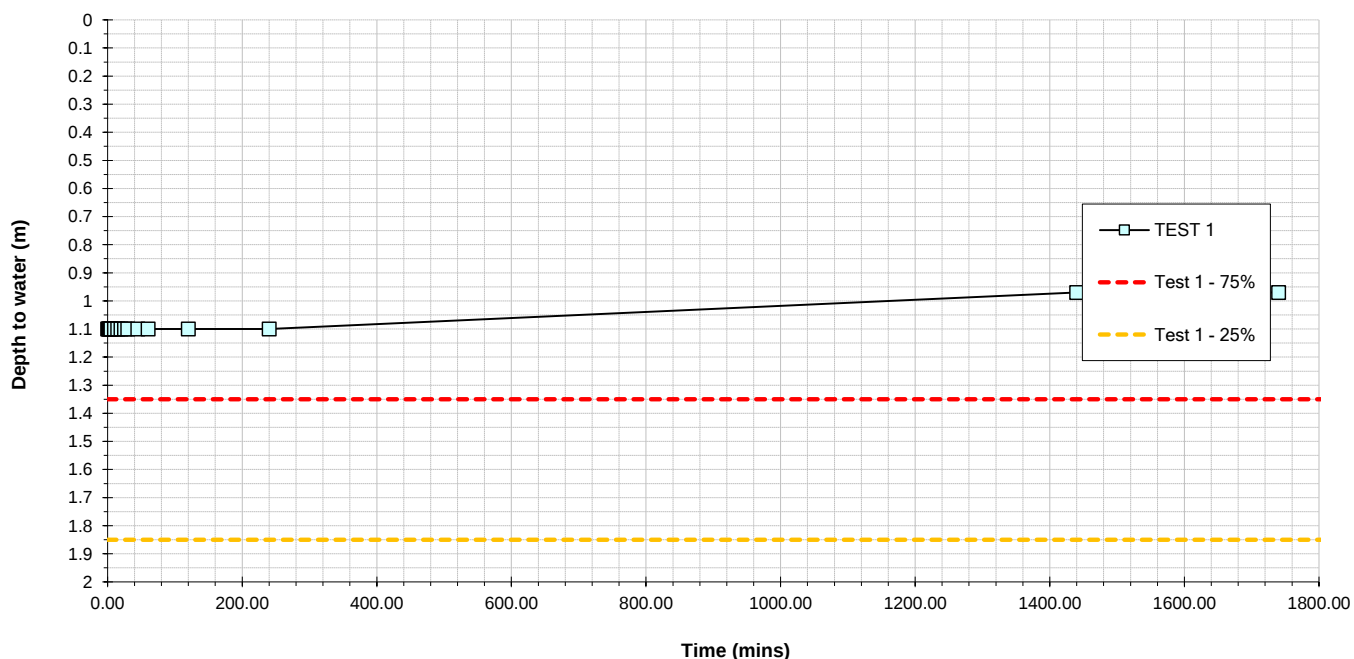
Site..... Albrighton South
Job Number..... SHF.710.011
Date of Test..... 10.11.24 & 11.10.24

Soakaway Number..... SA3
Length..... 1.20 m
Width..... 0.40 m
Depth..... 2.10 m
Groundwater Level..... Dry m

SOIL INFILTRATION RATE TEST
See B.R.E. Digest 365, 1991, Soakaway Design.

Remarks -	TEST 1		TEST 2		TEST 3	
	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
	0.0	1.10				
	1.0	1.10				
	2.0	1.10				
	3.0	1.10				
	4.0	1.10				
	5.0	1.10				
	10.0	1.10				
	15.0	1.10				
	20.0	1.10				
	25.0	1.10				
	30.0	1.10				
	45.0	1.10				
	60.0	1.10				
	120.00	1.10				
	240.00	1.10				
	1440.00	0.97				
	1740.00	0.97				
Effective Storage Depth	m	1.00				
75% Effective Storage Depth	m	0.75				
(i.e. depth below GL)	m	1.35				
25% Effective Storage Depth	m	0.25				
(i.e. depth below GL)	m	1.85				
Effective Storage Depth 75%-25%	m	0.50				
Time to fall to 75% effective depth	mins	n/a				
Time to fall to 25% effective depth	mins	n/a				
V (75%-25%)	m3	0.24				
a (50%)	m2	2.08				
t (75%-25%)	mins	n/a				
SOIL INFILTRATION RATE	m/s	N/A				

DESIGN SOIL INFILTRATION RATE, f **Insufficient uptake to calculate infiltration rate** m/s



Compiled By:	Date:	Checked By:	Date:	Approved By:	Date:
G.Parr	14.10.24	M.Ward	14.10.24	S.Rhodes	14.10.24



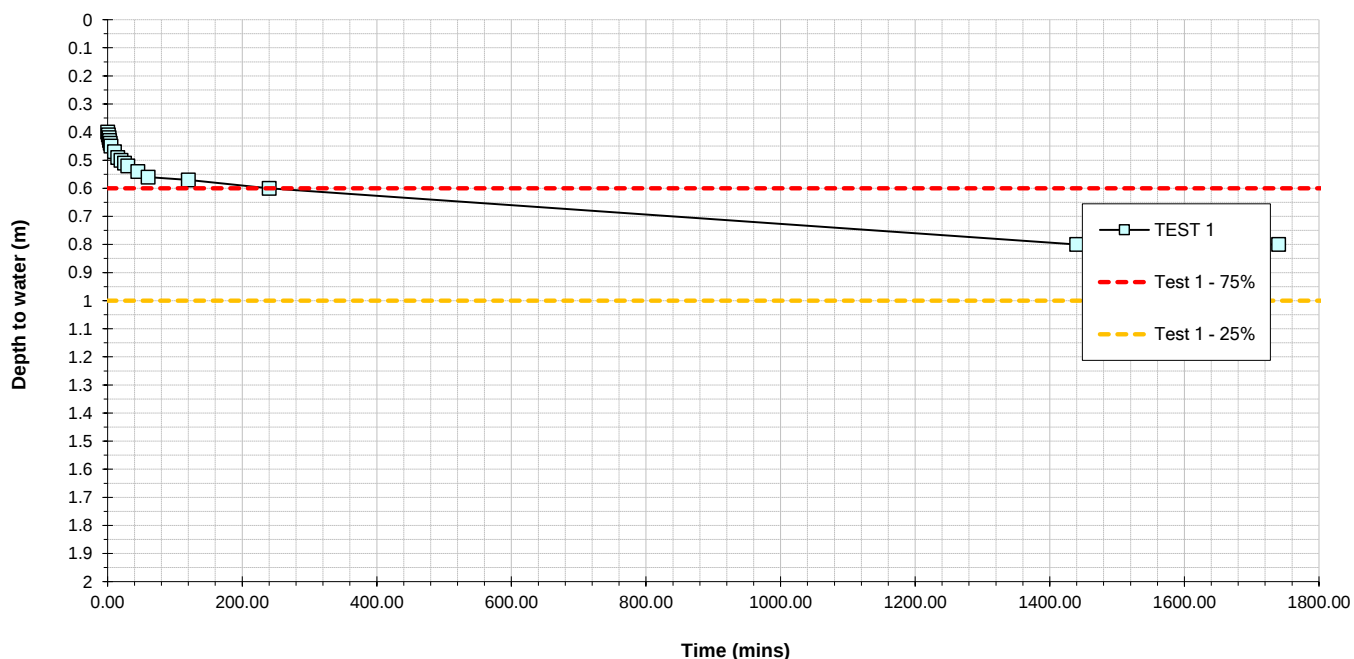
Site..... Albrighton South
 Job Number..... SHF.710.011
 Date of Test..... 10.11.24 & 11.10.24

Soakaway Number..... SA4
 Length..... 1.40 m
 Width..... 0.40 m
 Depth..... 1.20 m
 Groundwater Level..... Dry m

SOIL INFILTRATION RATE TEST
 See B.R.E. Digest 365, 1991, Soakaway Design.

Remarks -	TEST 1		TEST 2		TEST 3	
	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
	0.0	0.40				
	1.0	0.41				
	2.0	0.42				
	3.0	0.43				
	4.0	0.44				
	5.0	0.45				
	10.0	0.47				
	15.0	0.49				
	20.0	0.50				
	25.0	0.51				
	30.0	0.52				
	45.0	0.54				
	60.0	0.56				
	120.00	0.57				
	240.00	0.60				
	1440.00	0.80				
	1740.00	0.80				
Effective Storage Depth	m	0.80				
75% Effective Storage Depth	m	0.60				
(i.e. depth below GL)	m	0.60				
25% Effective Storage Depth	m	0.20				
(i.e. depth below GL)	m	1.00				
Effective Storage Depth 75%-25%	m	0.40				
Time to fall to 75% effective depth	mins	1440.00				
Time to fall to 25% effective depth	mins	n/a				
V (75%-25%)	m3	0.22				
a (50%)	m2	2.00				
t (75%-25%)	mins	n/a				
SOIL INFILTRATION RATE	m/s	N/A				

DESIGN SOIL INFILTRATION RATE, f **Insufficient uptake to calculate infiltration rate** m/s



Compiled By:	Date:	Checked By:	Date:	Approved By:	Date:
G.Parr	14.10.24	M.Ward	14.10.24	S.Rhodes	14.10.24



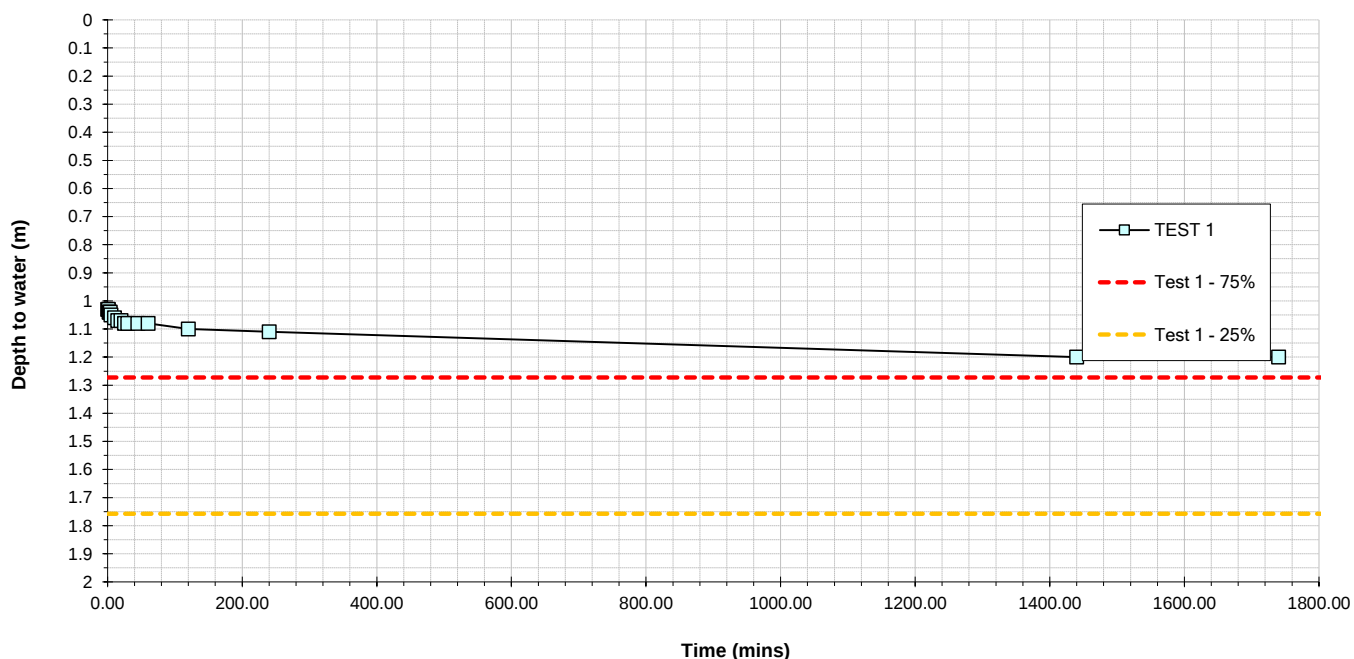
Site..... Albrighton South
 Job Number..... SHF.710.011
 Date of Test..... 10.11.24 & 11.10.24

Soakaway Number..... SA5
 Length..... 1.50 m
 Width..... 0.40 m
 Depth..... 2.00 m
 Groundwater Level..... Dry m

SOIL INFILTRATION RATE TEST
 See B.R.E. Digest 365, 1991, Soakaway Design.

Remarks -	TEST 1		TEST 2		TEST 3	
	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
	0.0	1.03				
	1.0	1.03				
	2.0	1.04				
	3.0	1.04				
	4.0	1.04				
	5.0	1.05				
	10.0	1.06				
	15.0	1.07				
	20.0	1.07				
	25.0	1.08				
	30.0	1.08				
	45.0	1.08				
	60.0	1.08				
	120.00	1.10				
	240.00	1.11				
	1440.00	1.20				
	1740.00	1.20				
Effective Storage Depth	m	0.97				
75% Effective Storage Depth	m	0.73				
(i.e. depth below GL)	m	1.27				
25% Effective Storage Depth	m	0.24				
(i.e. depth below GL)	m	1.76				
Effective Storage Depth 75%-25%	m	0.49				
Time to fall to 75% effective depth	mins	n/a				
Time to fall to 25% effective depth	mins	n/a				
V (75%-25%)	m3	0.29				
a (50%)	m2	2.44				
t (75%-25%)	mins	n/a				
SOIL INFILTRATION RATE	m/s	N/A				

DESIGN SOIL INFILTRATION RATE, f **Insufficient uptake to calculate infiltration rate** m/s



Compiled By:	Date:	Checked By:	Date:	Approved By:	Date:
G.Parr	14.10.24	M.Ward	14.10.24	S.Rhodes	14.10.24



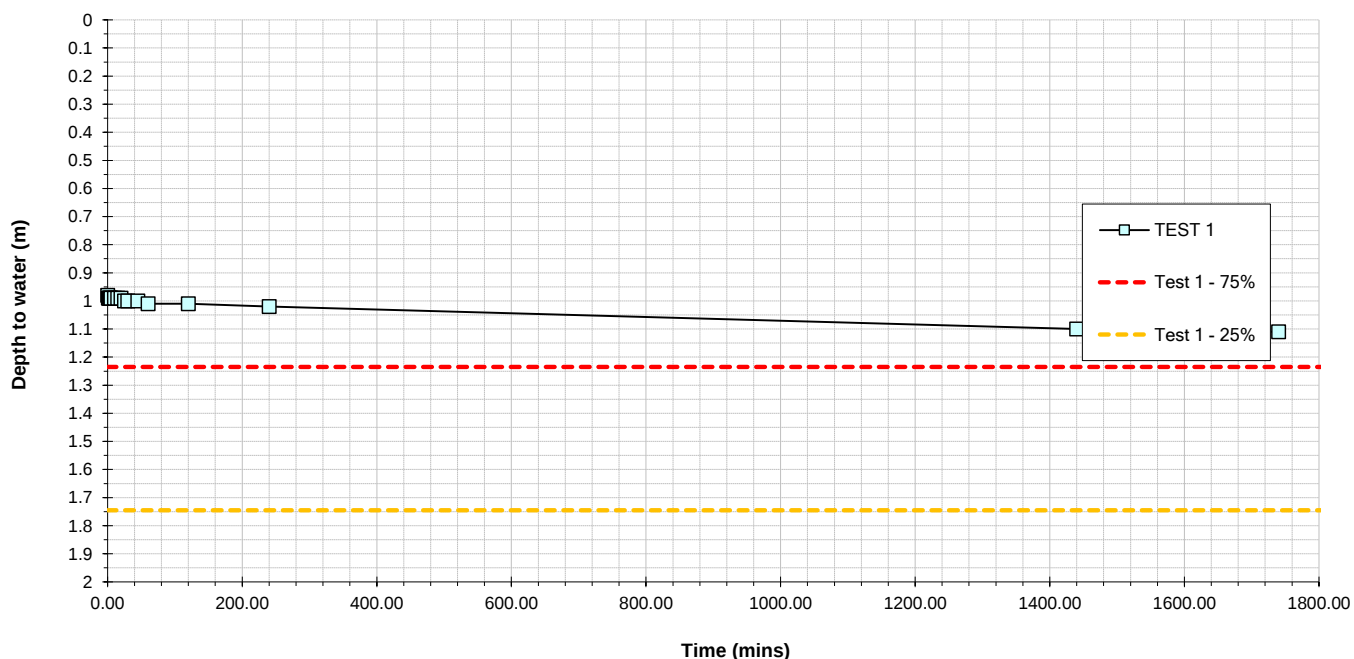
Site..... Albrighton South
 Job Number..... SHF.710.011
 Date of Test..... 10.11.24 & 11.10.24

Soakaway Number..... SA6
 Length..... 1.30 m
 Width..... 0.40 m
 Depth..... 2.00 m
 Groundwater Level..... Dry m

SOIL INFILTRATION RATE TEST
 See B.R.E. Digest 365, 1991, Soakaway Design.

Remarks -	TEST 1		TEST 2		TEST 3	
	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
	0.0	0.98				
	1.0	0.99				
	2.0	0.99				
	3.0	0.99				
	4.0	0.99				
	5.0	0.99				
	10.0	0.99				
	15.0	0.99				
	20.0	0.99				
	25.0	1.00				
	30.0	1.00				
	45.0	1.00				
	60.0	1.01				
	120.00	1.01				
	240.00	1.02				
	1440.00	1.10				
	1740.00	1.11				
Effective Storage Depth	m	1.02				
75% Effective Storage Depth	m	0.77				
(i.e. depth below GL)	m	1.24				
25% Effective Storage Depth	m	0.26				
(i.e. depth below GL)	m	1.75				
Effective Storage Depth 75%-25%	m	0.51				
Time to fall to 75% effective depth	mins	n/a				
Time to fall to 25% effective depth	mins	n/a				
V (75%-25%)	m3	0.27				
a (50%)	m2	2.25				
t (75%-25%)	mins	n/a				
SOIL INFILTRATION RATE	m/s	N/A				

DESIGN SOIL INFILTRATION RATE, f **Insufficient uptake to calculate infiltration rate** m/s



Compiled By:	Date:	Checked By:	Date:	Approved By:	Date:
G.Parr	14.10.24	M.Ward	14.10.24	S.Rhodes	14.10.24



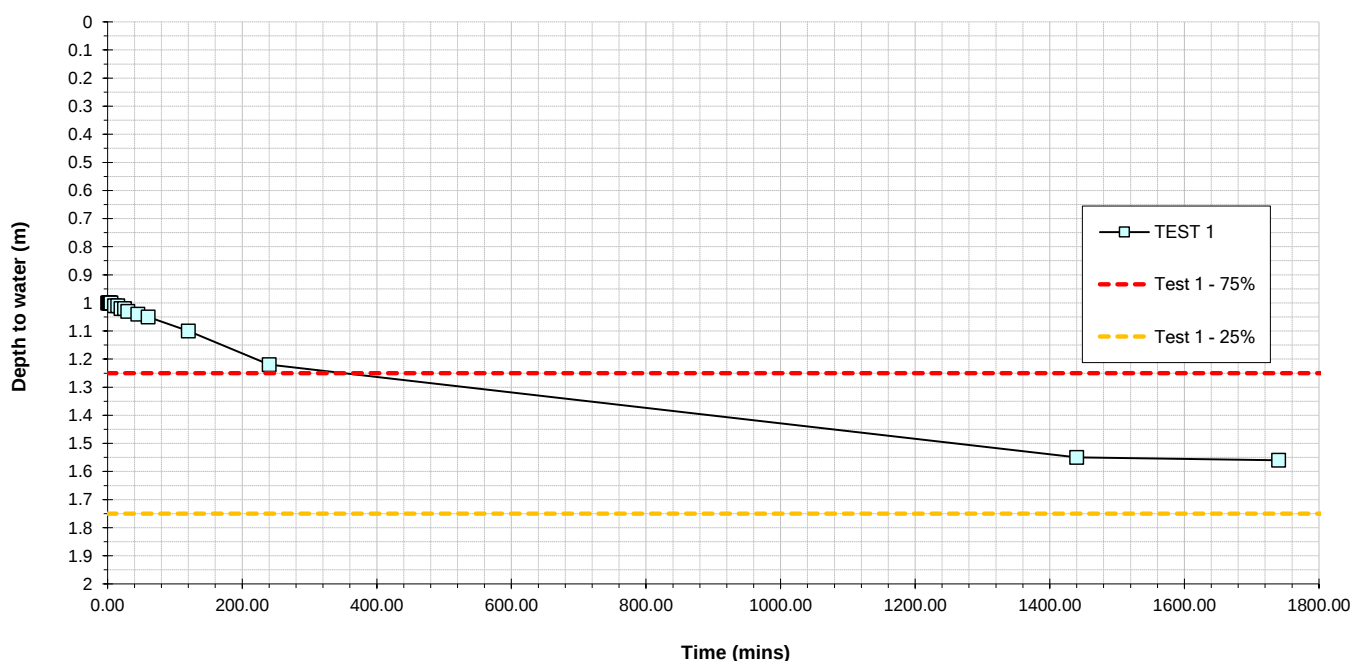
Site..... Albrighton South
 Job Number..... SHF.710.011
 Date of Test..... 10.11.24 & 11.10.24

Soakaway Number..... SA7
 Length..... 1.30 m
 Width..... 0.40 m
 Depth..... 2.00 m
 Groundwater Level..... Dry m

SOIL INFILTRATION RATE TEST
 See B.R.E. Digest 365, 1991, Soakaway Design.

Remarks -	TEST 1		TEST 2		TEST 3	
	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
	0.0	1.00				
	1.0	1.00				
	2.0	1.00				
	3.0	1.00				
	4.0	1.00				
	5.0	1.00				
	10.0	1.01				
	15.0	1.01				
	20.0	1.02				
	25.0	1.02				
	30.0	1.03				
	45.0	1.04				
	60.0	1.05				
	120.00	1.10				
	240.00	1.22				
	1440.00	1.55				
	1740.00	1.56				
Effective Storage Depth	m	1.00				
75% Effective Storage Depth	m	0.75				
(i.e. depth below GL)	m	1.25				
25% Effective Storage Depth	m	0.25				
(i.e. depth below GL)	m	1.75				
Effective Storage Depth 75%-25%	m	0.50				
Time to fall to 75% effective depth	mins	349.09				
Time to fall to 25% effective depth	mins	n/a				
V (75%-25%)	m3	0.26				
a (50%)	m2	2.22				
t (75%-25%)	mins	n/a				
SOIL INFILTRATION RATE	m/s	N/A				

DESIGN SOIL INFILTRATION RATE, f Insufficient uptake to calculate infiltration rate m/s



Compiled By:	Date:	Checked By:	Date:	Approved By:	Date:
G.Parr	14.10.24	M.Ward	14.10.24	S.Rhodes	14.10.24

Monitoring Results

Albrighton South Groundwater Depths

Exploratory Hole	Depth m bgl						
	18.10.24						
BH1	1.35						
BH2	0.66						
BH3	0.71						
BH4	1.22						