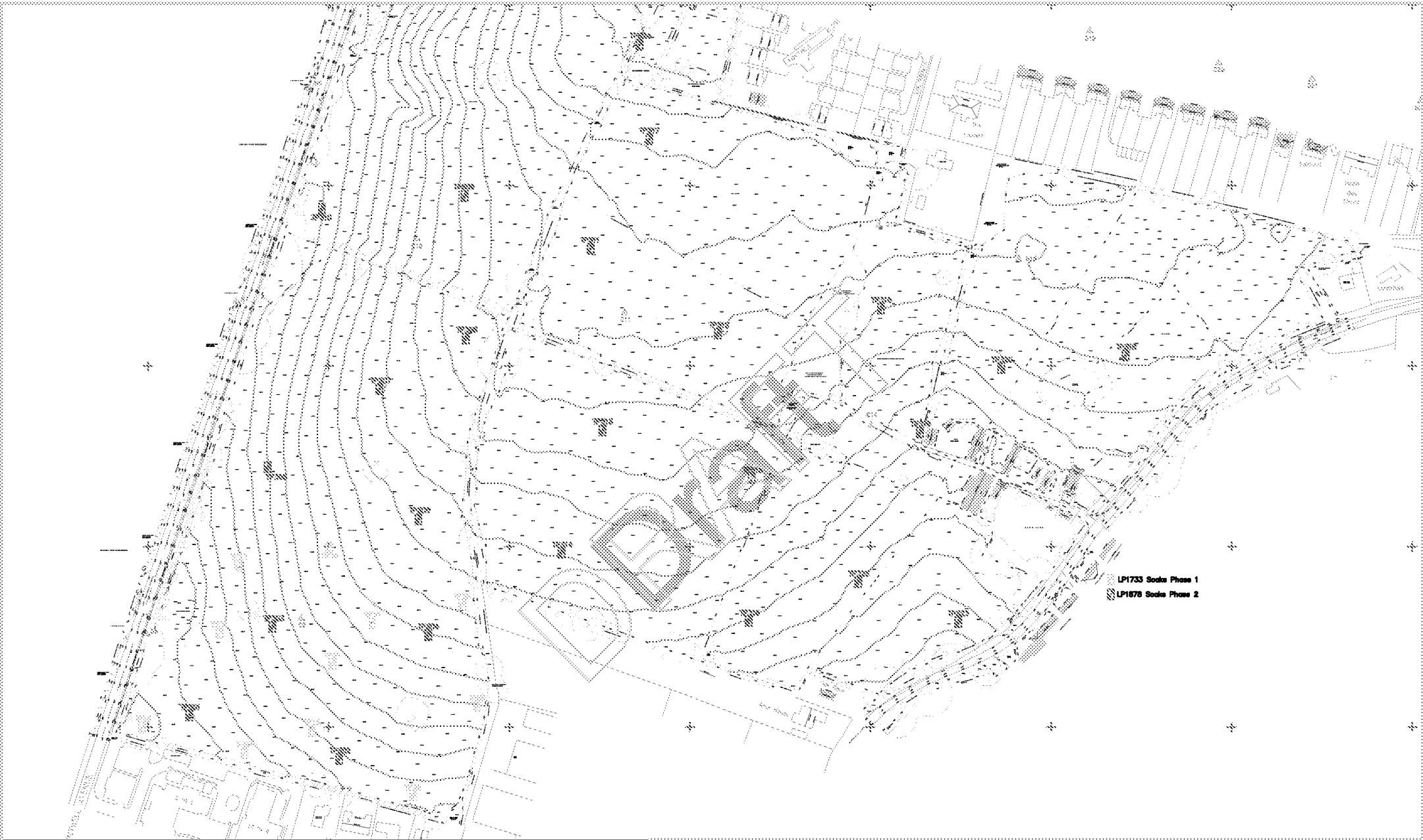
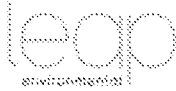


Appendix (B)

Geotechnical Information (Extract)



Client	Dandara Properties Ltd	Date	5/4/19	Project Ref.	LP1878
Project	Fontwell Shallow Soaks	Scale at A4	NTS	Fig No.	1
Title	Shallow Soakage Positions				

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP301 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 05/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00		Scale 1:25 Logged SN	
Client: Dandara Ltd						175 47			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.35			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.
	1.00	B	N=32	1.20			Firm to stiff brown silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. <i>Hand Pen at 0.6m = 120kPa</i> <i>Hand Pen at 1m = 120kPa</i>
	1.70	B	N=27	1.90			Pale grey occasionally mottled yellow brown weathered CHALK recovered as slightly clayey slightly gravelly silt. Gravel of extremely weak medium to coarse sub-angular to sub-rounded chalk. Clasts are low density. Matrix dominated.
	2.00	D		2.00			Firm to stiff brown silty slightly gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. End of pit at 2.00 m

Remarks: Moderate water seepage at 1.5m. Some collapsing below 1.6m. Pit was backfilled with gravel to 0.5mbgl.		
Stability: Collapsing below 1.6m.		

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP302 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 05/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 185		Scale 1:25	
Client: Dandara Ltd								Logged SN	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	0.80	B	N=28				Dense brown silty very clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. Occasional partings of gravelly silty clay.	
			N=26				Too gravelly for hand penetrometer test at 1m.	1
				1.80			Firm to stiff brown silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.	
	2.00	D		2.00			End of pit at 2.00 m	2
								3
								4
								5

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.

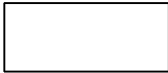
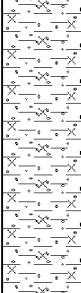
Stability: Stable.

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP304 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 05/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 47		Scale 1:25 Logged SN	
Client: Dandara Ltd									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	1.00	B	N=16				Firm to stiff brown silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.	
			N=9				Hand Pen at 0.8m = 175kPa	
	1.80	B		1.90			Pale grey weathered CHALK recovered as slightly clayey slightly gravelly silt. Gravel of extremely weak medium to coarse sub-angular to sub-rounded chalk. Clasts are low density. Matrix dominated.	
				2.00			End of pit at 2.00 m	

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.8mbgl.	
Stability: Stable.	

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP305 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 05/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00		166 	
Client: Dandara Ltd								Scale 1:25 Logged SN	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.80	B	N=27	0.20		 Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.  Firm to stiff brown silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. Hand Pen at 0.5m = 60kPa Hand Pen at 1m = 160kPa			
	1.60	D	N=25	1.20		 Pale grey occasionally mottled yellow brown weathered CHALK recovered as slightly clayey slightly gravelly silt. Gravel of extremely weak medium to coarse sub-angular to sub-rounded chalk. Clasts are low density. Matrix dominated.			
				2.00		 End of pit at 2.00 m			
Remarks: Moderate water seepage at 1.9m. Some collapsing below 1.6m. Pit was backfilled with gravel to 0.5mbgl.									
Stability: Collapsing below 1.6m.									



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1YA				Trial Pit Log				Trialpit No TP306 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 04/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m):		Scale 1:25	
Client: Dandara Ltd						Depth 2.00		Logged SN	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	0.80	B	N=20				Firm to stiff brown silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.	
			N=34				Hand Pen at 0.8m = 130kPa	1
	2.00	B		2.00			Hand Pen at 1.5m = 190kPa	
							End of pit at 2.00 m	2
								3
								4
								5

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.

Stability: Stable.

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP307 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 04/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 186		Scale 1:25 Logged SN	
Client: Dandara Ltd									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.25			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	1.10	B	N=44				Dense brown silty very clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. Occasional partings of gravelly silty clay.	1
	2.00	B	N=43	2.00			Too gravelly for hand penetrometer test at 1m.	2
							End of pit at 2.00 m	3
								4
								5

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.	
Stability: Stable.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP308 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 04/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 194		Scale 1:25	
Client: Dandara Ltd						Depth 2.00		Logged SN	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	Scale
	Depth	Type	Results					
				0.30			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	1.00	B	N=23				Firm to stiff brown silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.	
			N=13				Hand Pen at 0.8m = 275kPa Hand Pen at 1.5m = 180kPa	1
	2.00	D		1.90 2.00			Pale grey occasionally mottled yellow brown weathered CHALK recovered as slightly sandy slightly gravelly silt. Gravel of extremely weak medium to coarse sub-angular to sub-rounded chalk. Clasts are low density. Matrix dominated.	2
							End of pit at 2.00 m	3
								4
								5

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.		
Stability: Stable.		

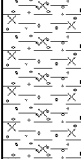
Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP309 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 04/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00		192 	
Client: Dandara Ltd						Logged ADC			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Grass over brown gravelly silty TOPSOIL. Gravel of fine to coarse, angular to sub-rounded flint.	
	1.00	B	N=27				Medium dense orange brown clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.	1
	1.80	B	N=8				Partings of white grey weathered chalk recovered as slightly clayey slightly gravelly silt at the northern end of the pit below 1.7m. Gravel is rare fine to medium chalk.	
				2.00			End of pit at 2.00 m	2
								3
								4
								5

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.	
Stability: Stable.	

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP310 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 04/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): 190		Scale 1:25	
Client: Dandara Ltd						Depth 2.00		Logged SN	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30		 Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints. Occasional roots and rootlets.		
	0.80	B	N=6	1.00		 Firm to stiff brown slightly silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. <i>Hand Pen at 0.8m = 100kPa</i>	1	
	1.50	B	N=15	2.00		 Pale grey occasionally mottled yellow brown weathered CHALK recovered as slightly sandy slightly gravelly silt. Gravel of extremely weak medium to coarse sub-angular to sub-rounded chalk. Clasts are low density. Matrix dominated.	2	
						End of pit at 2.00 m	3	
							4	
							5	

Remarks: Slight water seepage at 1.9m. Some collapsing below 1.8m. Pit was backfilled with gravel to 0.2mbgl.

Stability: Collapsing below 1.8m.



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP311 Sheet 1 of 1							
Project Name: Fontwell Additional Shallow Soaks		Project No. LP01878		Co-ords: - Level:		Date 05/03/2019	
Location: Land near Fontwell, BN18 0SW				Dimensions (m): Depth 177		Scale 1:25	
Client: Dandara Ltd				Depth 2.00		Logged SN	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.20			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.
	1.00	B	N=57				Dense brown silty clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. Occasional partings of gravelly silty clay.
			N=50				Hand Pen at 0.6m = 280kPa
	2.00	B		2.00			Too gravelly for hand penetrometer test at 1.5m.
							End of pit at 2.00 m

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.	
Stability: Stable.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP312 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 06/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 47 180		Scale 1:25	
Client: Dandara Ltd								Logged SN	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	0.80	B	N=50				Dense brown silty clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. Occasional partings of gravelly silty clay.	
	1.50	B	N=50				Too gravelly for hand penetrometer test at 1m.	1
				2.00			End of pit at 2.00 m	2
								3
								4
								5

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.								
Stability: Stable.								

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP313 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 06/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m):		Scale 1:25	
Client: Dandara Ltd						Depth 2.00		Logged ADC	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.25			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	0.70	D	N=50	1.20			Firm orange brown slightly gravelly silty CLAY. Gravel of fine to coarse, sub-angular to sub-rounded flint. <i>Hand Pen at 0.8m = 70kPa</i>	1
	1.50	B	N=44	2.00			Firm to stiff brown gravelly silty CLAY. Gravel of fine to coarse, sub-angular to sub-rounded flint <i>Too gravelly for hand penetrometer test at 1.5m.</i> <i>End of pit at 2.00 m</i>	2
								3
								4
								5

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.		
Stability: Stable.		

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP314 Sheet 1 of 1							
Project Name: Fontwell Additional Shallow Soaks		Project No. LP01878		Co-ords: - Level:		Date 06/03/2019	
Location: Land near Fontwell, BN18 0SW				Dimensions (m): Depth 2.00 173		Scale 1:25 Logged ADC	
Client: Dandara Ltd							

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	1.00	B	N=44 N=42				Dense pale brown clayey silty GRAVEL with partings of silty gravelly clay. Gravel of fine to coarse, sub-angular to sub-rounded flint. Hand Pen at 0.9m = 100kPa Too gravelly for hand penetrometer test at 1.5m.	1
				2.00			End of pit at 2.00 m	2
								3
								4
								5

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.	
Stability: Stable.	

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP315 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 06/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m):		Scale 1:25	
Client: Dandara Ltd						Depth 2.00		Logged ADC	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25		 Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	1.00	D	N=24			 Firm orange brown slightly gravelly silty CLAY. Gravel of fine to coarse, sub-angular to sub-rounded flint.	
			N=50			Hand Pen at 0.6m = 100kPa	
						Becoming very gravelly below 1.3m.	
						Too gravelly for hand penetrometer test at 1.5m.	
	2.00	B		2.00		End of pit at 2.00 m	

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.

 Stability: Stable.



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1YA				Trial Pit Log				Trialpit No TP316 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 06/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 170		Scale 1:25	
Client: Dandara Ltd								Logged ADC	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
							Firm orange brown slightly gravelly silty CLAY. Gravel of fine to coarse, sub-angular to sub-rounded flint.	
			N=31				Hand Pen at 0.6m = 225kPa	
	1.20	B					Becoming very gravelly below 1m.	1
			N=3				Too gravelly for hand penetrometer test at 1.5m.	
	2.00	D		2.00			Partings of white grey weathered chalk recovered as slightly clayey slightly gravelly silt at the eastern end of the pit below 1.8m. Gravel is rare fine to medium chalk.	2
							End of pit at 2.00 m	
								3
								4
								5

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.

Stability: Stable.

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP317 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 07/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m):		Scale 1:25	
Client: Dandara Ltd						Depth 2.00		Logged SN	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.
	1.00	B	N=50				Dense brown silty clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.
			N=54				
	2.00	B		2.00			End of pit at 2.00 m

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.	
Stability: Stable.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1YA				Trial Pit Log				Trialpit No TP318 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 07/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 54 172		Scale 1:25	
Client: Dandara Ltd								Logged SN	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.30			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.		
	1.00	B	N=11				Medium dense brown slightly sandy silty clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. Occasional partings of gravelly silty clay.		
			N=11				Too gravelly for hand penetrometer test at 1m.		
	2.00	D		1.85 2.00			Pale grey weathered CHALK recovered as slightly gravelly silt. Gravel of extremely weak medium to coarse sub-angular to sub-rounded chalk. Clasts are low density. Matrix dominated.		
							End of pit at 2.00 m		
1 2 3 4 5									
Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl.									
Stability: Stable.									

Trial Pit Log

Trialpit No

TP319

Sheet 1 of 1

Project Name: Fontwell Additional Shallow Soaks

Project No.
LP01878

Co-ords:	-
Level:	

Date
07/03/2019

Location: Land near Fontwell, BN18 0SW

Dimensions
(m):

165

Depth
2.00

84

Scale
1:25

Logged
SN

Client: Dandara Ltd

[illegible]

Remarks: Pit remained dry and stable. Pit was backfilled to 0.5mbgl. Unable to complete perth penetrometer test.

Stability: Stable.

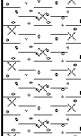
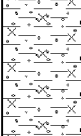
AGS

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP321 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 11/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 46 170		Scale 1:25 Logged SN	
Client: Dandara Ltd									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	1.00	B	N=38 N=50				Dense brown silty clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.	1
				2.00			End of pit at 2.00 m	2
								3
								4
								5

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled to 0.3mbgl.	
Stability: Stable.	

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP323 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 11/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 174		Scale 1:25	
Client: Dandara Ltd						47		Logged SN	
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
				0.20			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.		
							Firm to stiff brown silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.		
	1.00	B	N=30				Too gravelly for hand penetrometer test at 0.8m.		
			N=27				Too gravelly for hand penetrometer test at 1.5m.		
				1.80			Medium dense brown slightly clayey SAND. Sand is fine.		
	2.00	B		2.00			End of pit at 2.00 m		
1 2 3 4 5									
Remarks: Slight water seepage at 1.8m. Some collapsing below 1.8m. Pit was backfilled with gravel to 0.5mbgl.									
Stability: Collapsing below 1.8m.									



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP324 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 07/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 1.90 46 180		Scale 1:25 Logged SN	
Client: Dandara Ltd									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
	1.20	B	N=50				Dense brown slightly sandy silty slightly clayey GRAVEL. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint. Occasional partings of gravelly silty clay.	1
			N=50				<i>Becoming more clayey below 1m.</i>	
	2.00	D		1.90			End of pit at 1.90 m	2
								3
								4
								5

DRAFT

Remarks:	No further progress below 1.9m due to dense gravels. Pit remained dry and stable. Pit was backfilled to 0.5mbgl.	
Stability:	Stable.	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP326 Sheet 1 of 1	
Project Name: Fontwell Additional Shallow Soaks				Project No. LP01878		Co-ords: - Level:		Date 04/03/2019	
Location: Land near Fontwell, BN18 0SW						Dimensions (m): Depth 2.00 194		Scale 1:25 Logged SN	
Client: Dandara Ltd									

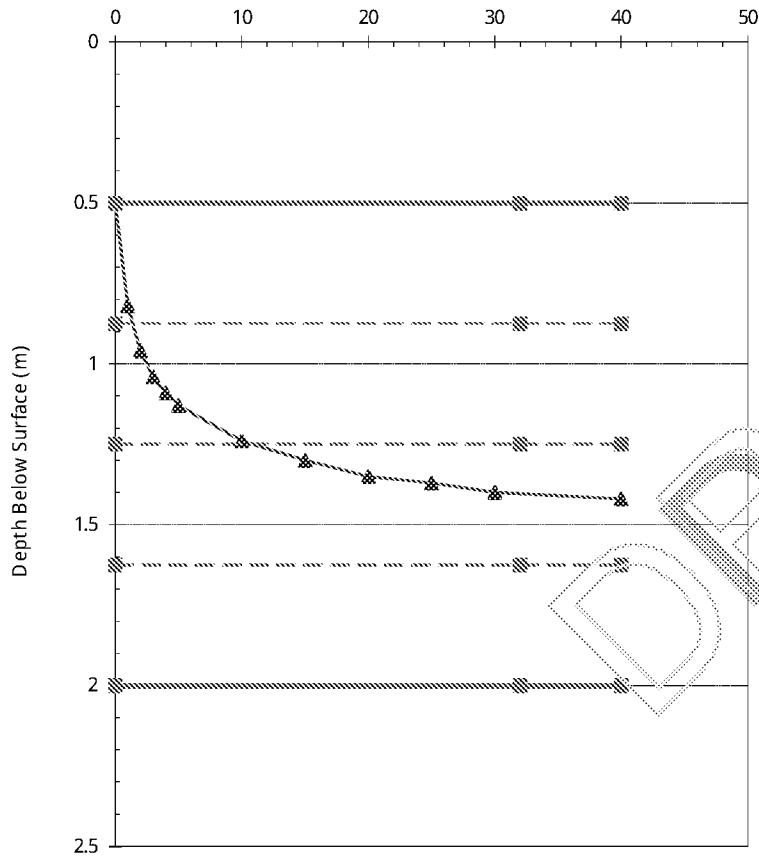
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.25			Grass over brown slightly gravelly silt TOPSOIL. Gravel of fine to coarse, sub-angular to sub-rounded flints.	
							Firm to stiff brown silty gravelly CLAY. Gravel of fine to coarse and occasional cobbles, angular to sub-rounded flint.	
			N=21				Hand Pen at 0.6m = 160kPa	1
	1.20	B					Hand Pen at 1.2m = 130kPa	
			N=27					
	2.00	D		2.00			End of pit at 2.00 m	2
								3
								4
								5

DRAFT

Remarks: Pit remained dry and stable. Pit was backfilled with arising, no soakage testing undertaken.		
Stability: Stable.		

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP301
Test No: Test No 1



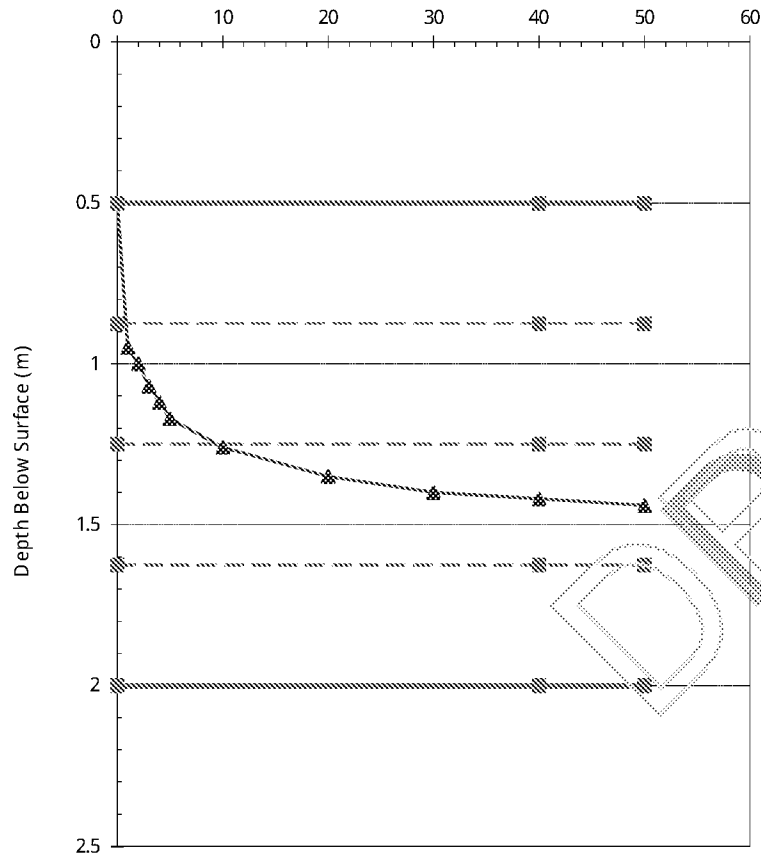
Pit Length (m)	1.75
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.46
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	0.92
Total Soakage Test Time (min)	40
Mean Internal Discharge Area (m2)	5.3513
Discharge Rate (litre/min)	9.466594
Soakage Rate (litre/m2/min)	1.769027
BRE Soil Infiltration Rate (m/sec)	2.95E-05

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP301
Test No: Test No 2



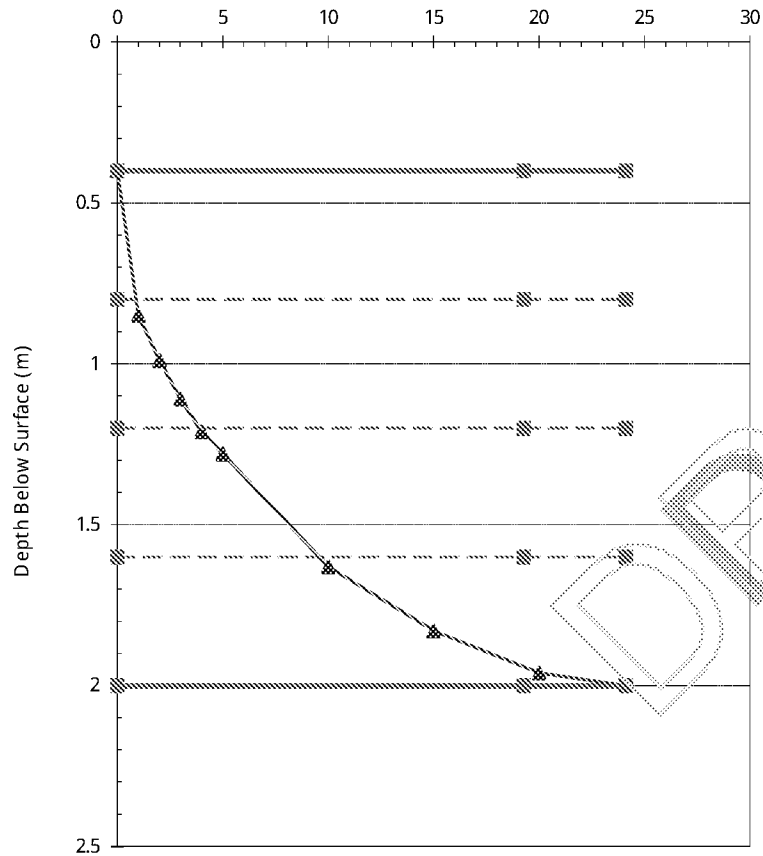
Pit Length (m)	1.75
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.46
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	0.94
Total Soakage Test Time (min)	50
Mean Internal Discharge Area (m2)	5.3513
Discharge Rate (litre/min)	10.89939
Soakage Rate (litre/m2/min)	2.036774
BRE Soil Infiltration Rate (m/sec)	3.39E-05

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP301
Test No: Test No 3



Pit Length (m)	1.75
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.46
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.6
Total Soakage Test Time (min)	24.1
Mean Internal Discharge Area (m2)	5.5733
Discharge Rate (litre/min)	26.73475
Soakage Rate (litre/m2/min)	4.796934
BRE Soil Infiltration Rate (m/sec)	7.99E-05

Comments:

Pit was emptied at finish of test.

Client:

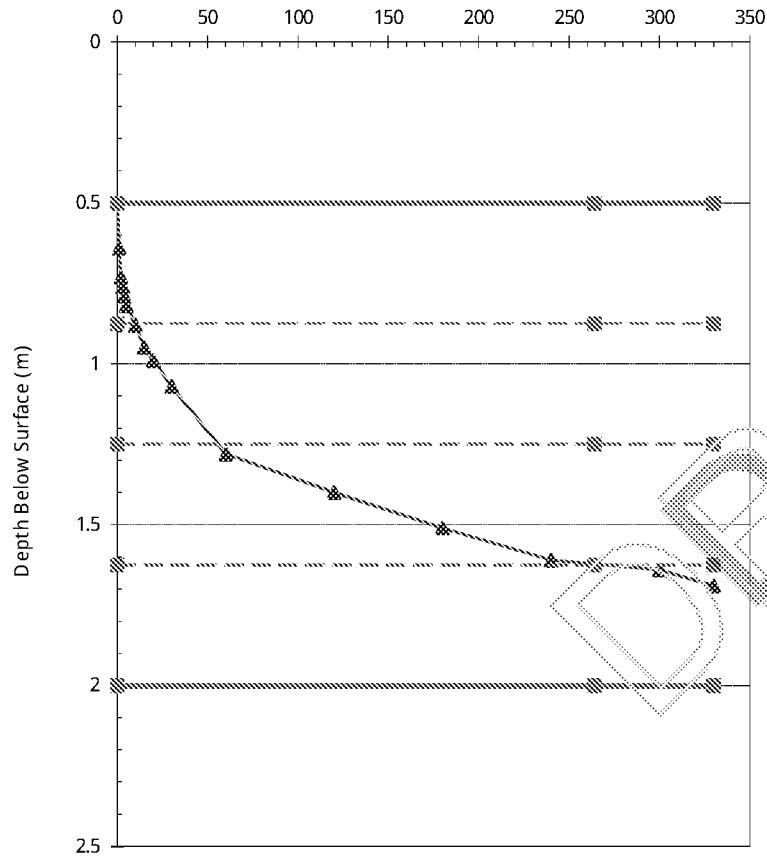
Site:

Tested By:

Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP302
Test No: Test No 1



Pit Length (m)	1.85
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.9
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.19
Total Soakage Test Time (min)	330
Mean Internal Discharge Area (m2)	4.616
Discharge Rate (litre/min)	0.632672
Soakage Rate (litre/m2/min)	0.137061
BRE Soil Infiltration Rate (m/sec)	2.28E-06

Comments:

Pit was nearly emptied at finish of test.

Client:

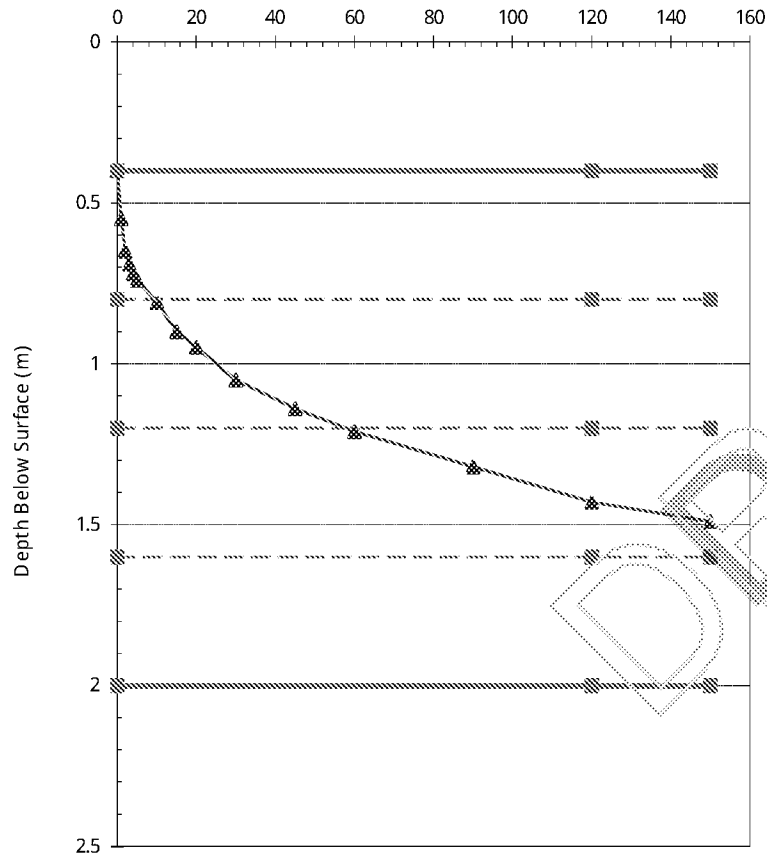
Site:

Tested By:

Test Date: 11/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP302
Test No: Test No 2



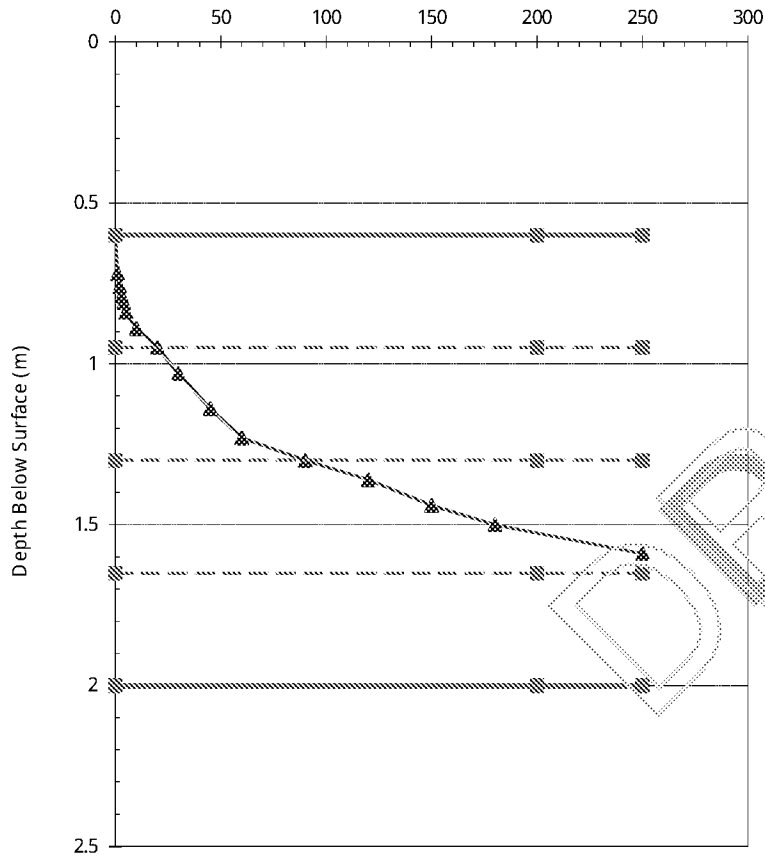
Pit Length (m)	1.85
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.9
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.09
Total Soakage Test Time (min)	150
Mean Internal Discharge Area (m2)	4.93055
Discharge Rate (litre/min)	0.891116
Soakage Rate (litre/m2/min)	0.180734
BRE Soil Infiltration Rate (m/sec)	3.01E-06

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP302
Test No: Test No 3



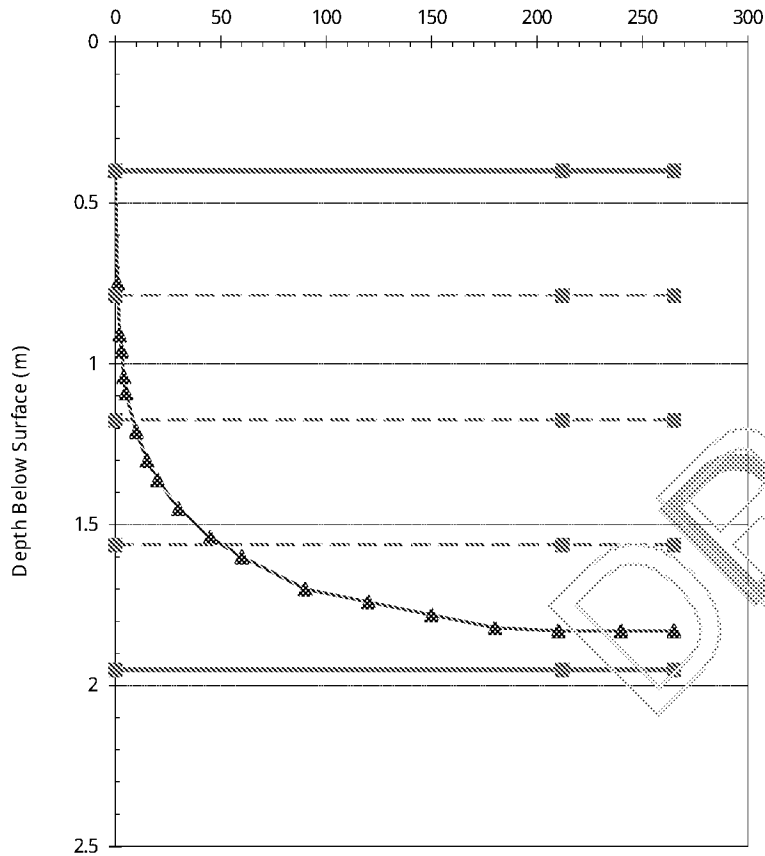
Pit Length (m)	1.85
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.9
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.6
Max Water Dropdown during Test (m)	0.99
Total Soakage Test Time (min)	250
Mean Internal Discharge Area (m2)	4.383
Discharge Rate (litre/min)	0.518831
Soakage Rate (litre/m2/min)	0.118374
BRE Soil Infiltration Rate (m/sec)	1.97E-06

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 13/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP303
Test No: Test No 1



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.95
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.43
Total Soakage Test Time (min)	265
Mean Internal Discharge Area (m ²)	4.2433
Discharge Rate (litre/min)	2.566459
Soakage Rate (litre/m ² /min)	0.604826
BRE Soil Infiltration Rate (m/sec)	1.01E-05

Comments:

Pit was nearly emptied at finish of test.

Client:

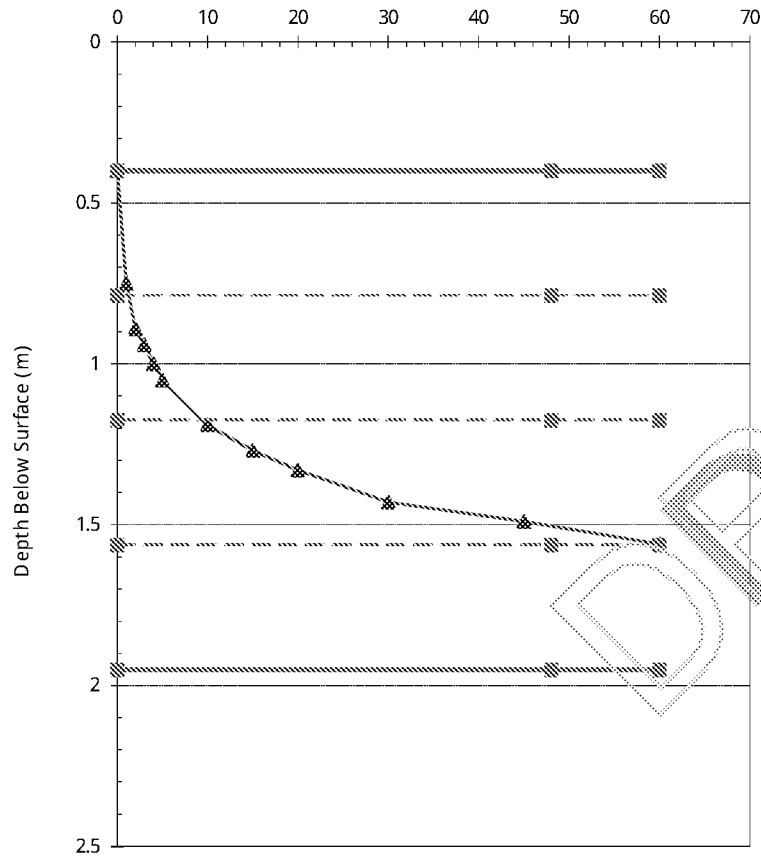
Site:

Tested By:

Test Date: 08/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP303
Test No: Test No 2



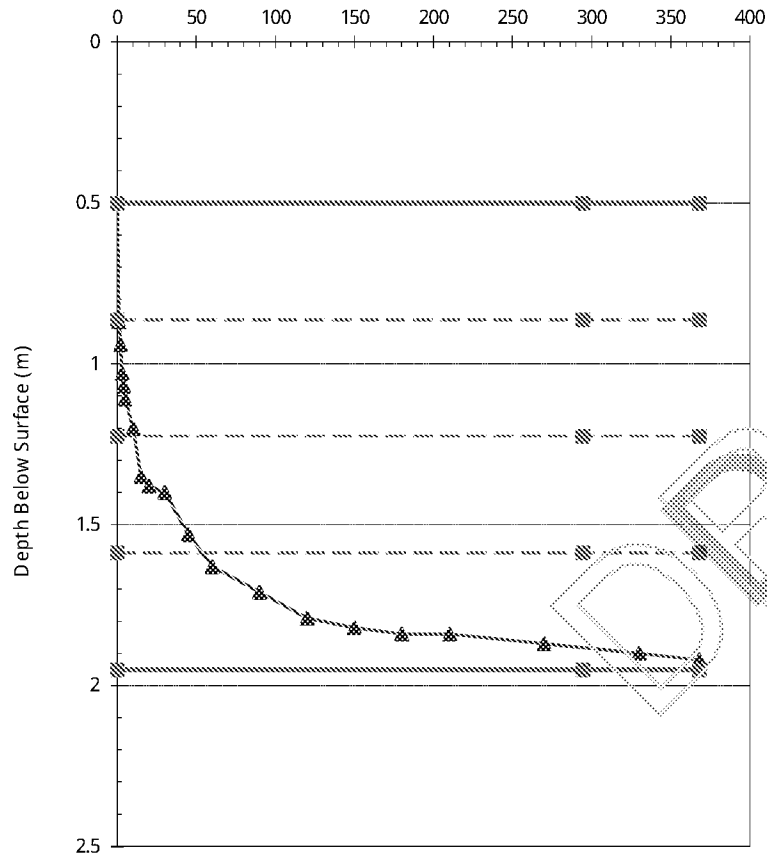
Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.95
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.16
Total Soakage Test Time (min)	60
Mean Internal Discharge Area (m2)	4.248825
Discharge Rate (litre/min)	
Soakage Rate (litre/m2/min)	
BRE Soil Infiltration Rate (m/sec)	

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 08/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP303
Test No: Test No 3



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.95
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.42
Total Soakage Test Time (min)	368
Mean Internal Discharge Area (m2)	4.0223
Discharge Rate (litre/min)	2.252453
Soakage Rate (litre/m2/min)	0.559991
BRE Soil Infiltration Rate (m/sec)	9.33E-06

Comments:

Pit was nearly emptied at finish of test.

Client:

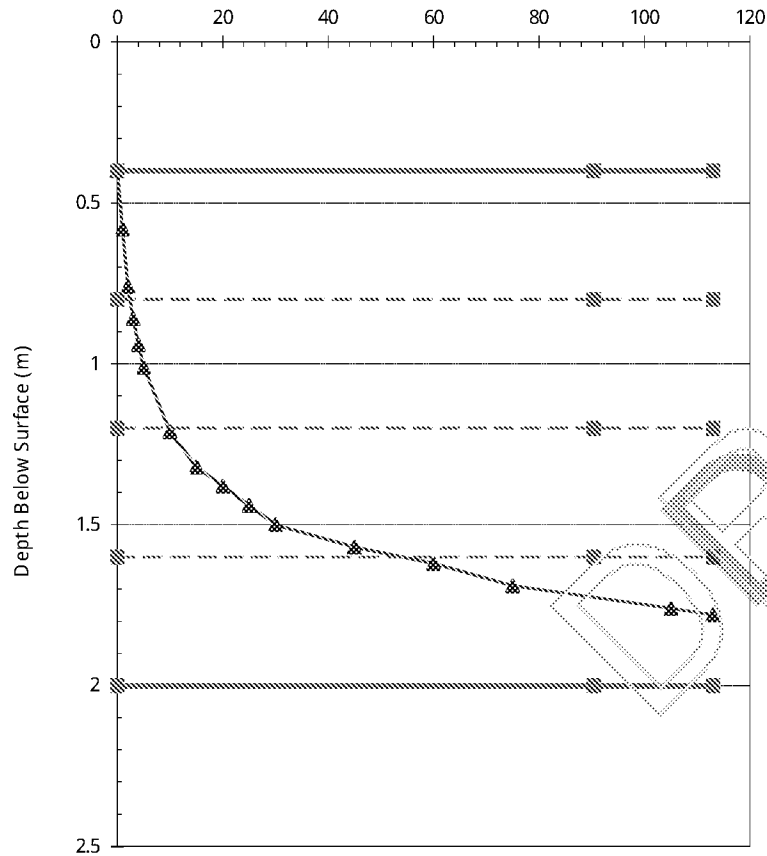
Site:

Tested By:

Test Date: 11/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP304
Test No: Test No 1



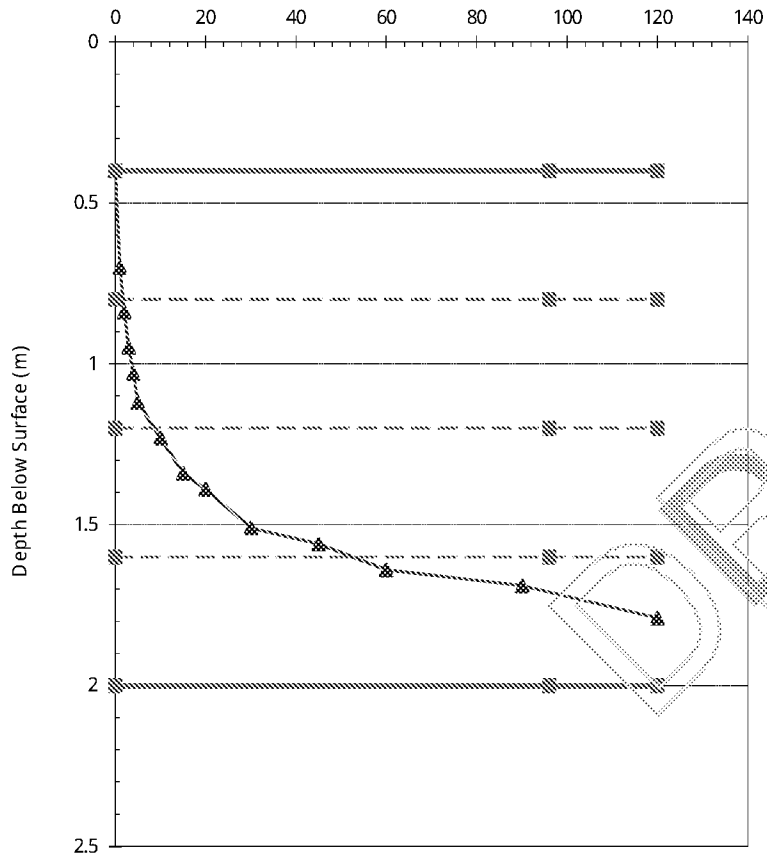
Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.38
Total Soakage Test Time (min)	113
Mean Internal Discharge Area (m2)	4.5194
Discharge Rate (litre/min)	2.652403
Soakage Rate (litre/m2/min)	0.586893
BRE Soil Infiltration Rate (m/sec)	9.78E-06

Comments:
Pit was nearly emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 08/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP304
Test No: Test No 2



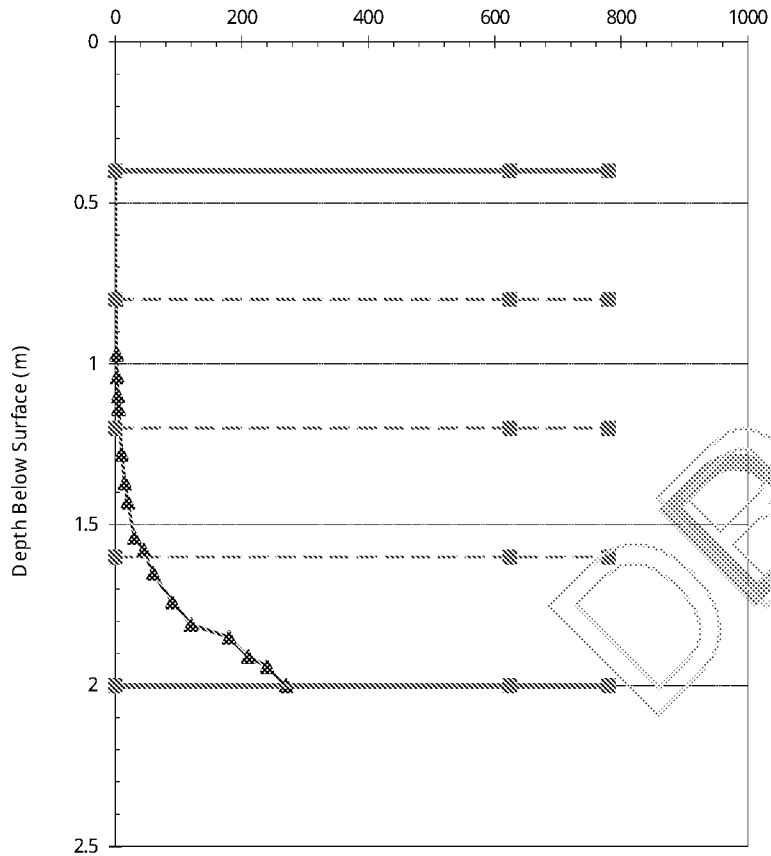
Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.39
Total Soakage Test Time (min)	120
Mean Internal Discharge Area (m2)	4.5194
Discharge Rate (litre/min)	2.694931
Soakage Rate (litre/m2/min)	0.596303
BRE Soil Infiltration Rate (m/sec)	9.94E-06

Comments:
Pit was nearly emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 08/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP304
Test No: Test No 3



Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.6
Total Soakage Test Time (min)	780
Mean Internal Discharge Area (m2)	4.5194
Discharge Rate (litre/min)	2.834462
Soakage Rate (litre/m2/min)	0.627177
BRE Soil Infiltration Rate (m/sec)	1.05E-05

Comments:

Pit was emptied at finish of test.

Client:

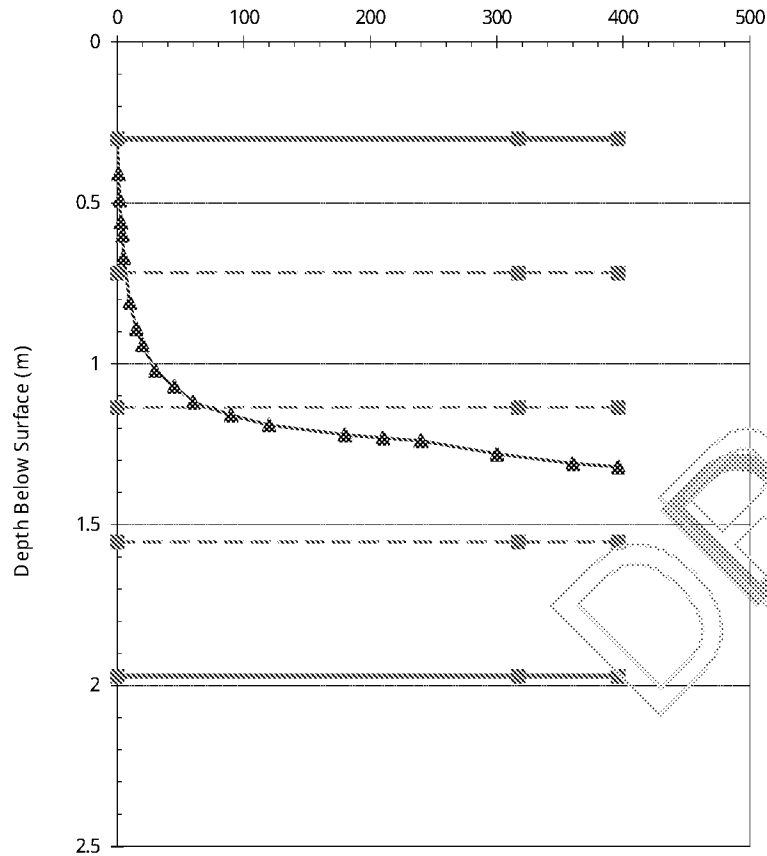
Site:

Tested By:

Test Date: 11/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP305
Test No: Test No 1



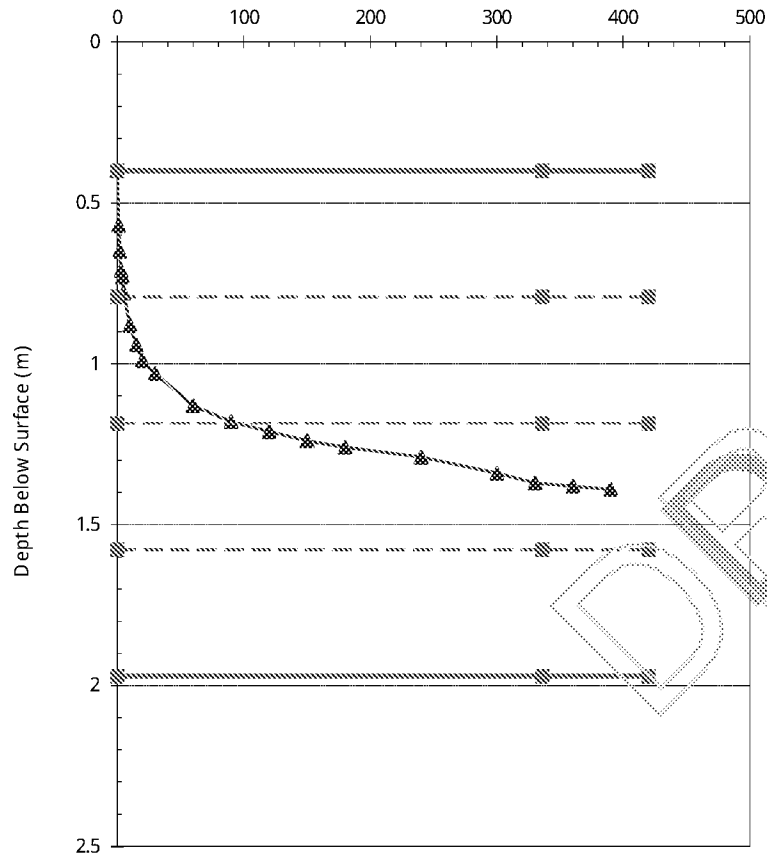
Pit Length (m)	1.66
Pit Width (m)	0.46
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.56
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.3
Max Water Dropdown during Test (m)	1.02
Total Soakage Test Time (min)	396
Mean Internal Discharge Area (m2)	5.1732
Discharge Rate (litre/min)	0.395476
Soakage Rate (litre/m2/min)	0.076447
BRE Soil Infiltration Rate (m/sec)	1.27E-06

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 08/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP305
Test No: Test No 2



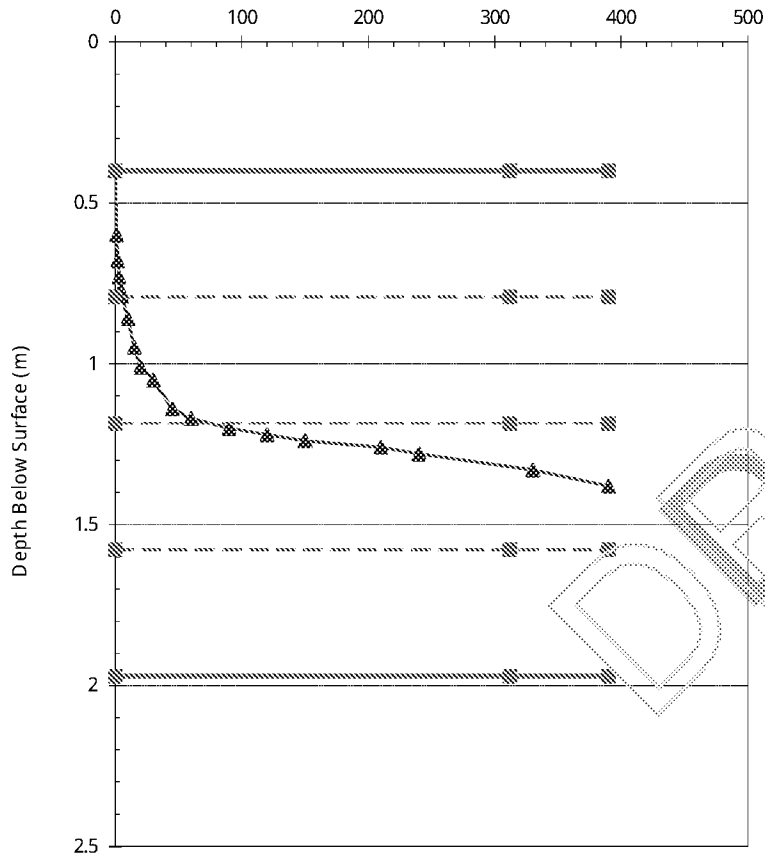
Pit Length (m)	1.66
Pit Width (m)	0.46
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.56
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	0.99
Total Soakage Test Time (min)	420
Mean Internal Discharge Area (m2)	4.9612
Discharge Rate (litre/min)	0.389638
Soakage Rate (litre/m2/min)	0.078537
BRE Soil Infiltration Rate (m/sec)	1.31E-06

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 11/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP305
Test No: Test No 3



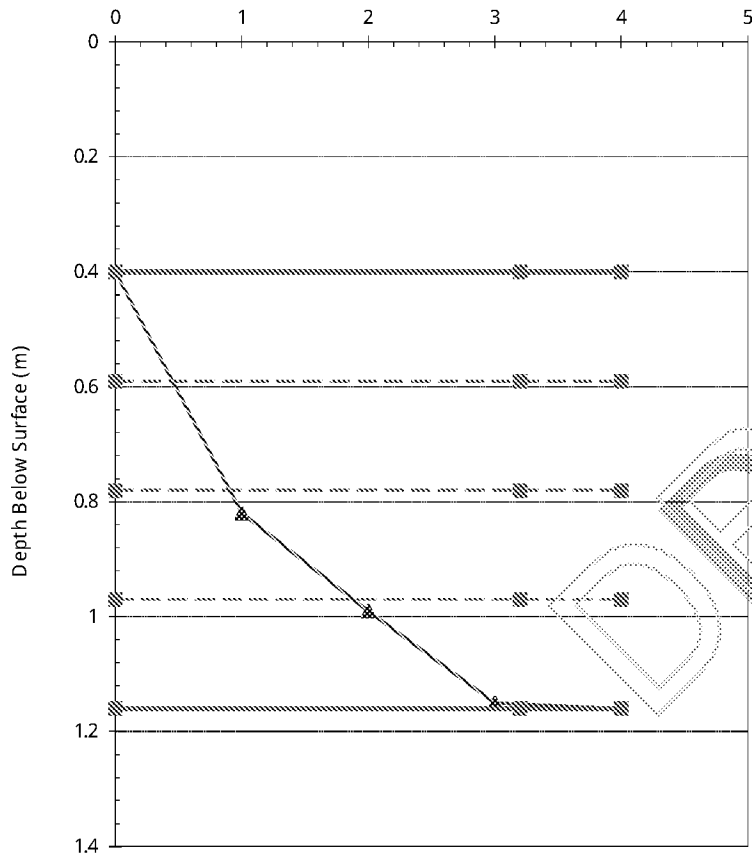
Pit Length (m)	1.66
Pit Width (m)	0.46
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.56
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	0.98
Total Soakage Test Time (min)	390
Mean Internal Discharge Area (m ²)	4.9612
Discharge Rate (litre/min)	0.397566
Soakage Rate (litre/m ² /min)	0.080135
BRE Soil Infiltration Rate (m/sec)	1.34E-06

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE 365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP306
Test No: Test No 1



Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	1.16
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	0.76
Total Soakage Test Time (min)	4
Mean Internal Discharge Area (m2)	2.5958
Discharge Rate (litre/min)	45.46271
Soakage Rate (litre/m2/min)	17.51395
BRE Soil Infiltration Rate (m/sec)	0.000292

Comments:

Pit was emptied at finish of test.

Client:

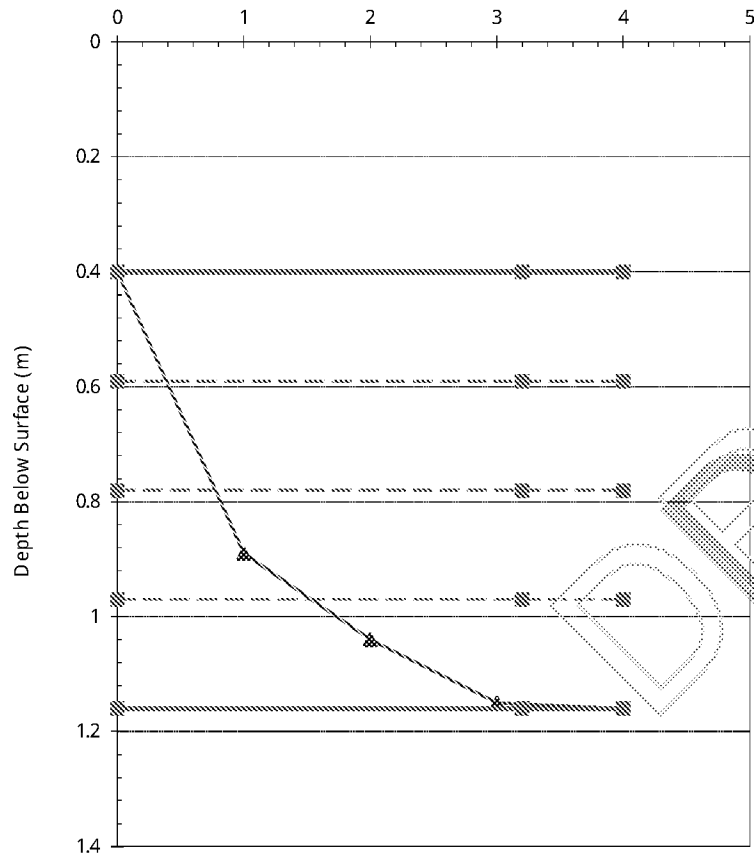
Site:

Tested By:

Test Date: 08/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP306
Test No: Test No 2



Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	1.16
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	0.76
Total Soakage Test Time (min)	4
Mean Internal Discharge Area (m ²)	2.5958
Discharge Rate (litre/min)	56.74898
Soakage Rate (litre/m ² /min)	21.86185
BRE Soil Infiltration Rate (m/sec)	0.000364

Comments:

Pit was emptied at finish of test.

Client:

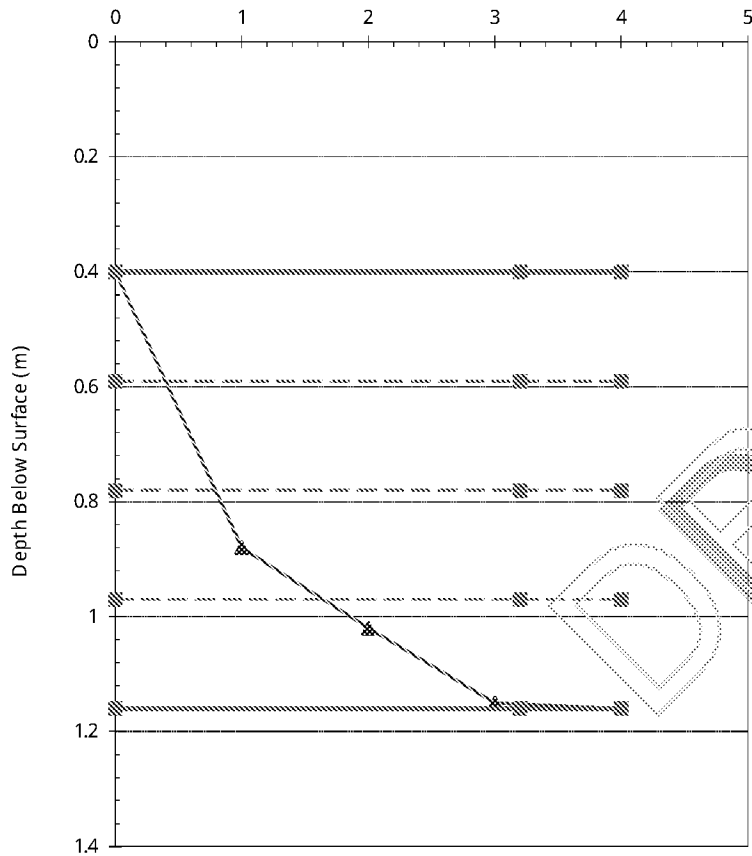
Site:

Tested By:

Test Date: 08/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP306
Test No: Test No 3



Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	1.16
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	0.76
Total Soakage Test Time (min)	4
Mean Internal Discharge Area (m2)	2.5958
Discharge Rate (litre/min)	52.13244
Soakage Rate (litre/m2/min)	20.08338
BRE Soil Infiltration Rate (m/sec)	0.000335

Comments:

Pit was emptied at finish of test.

Client:

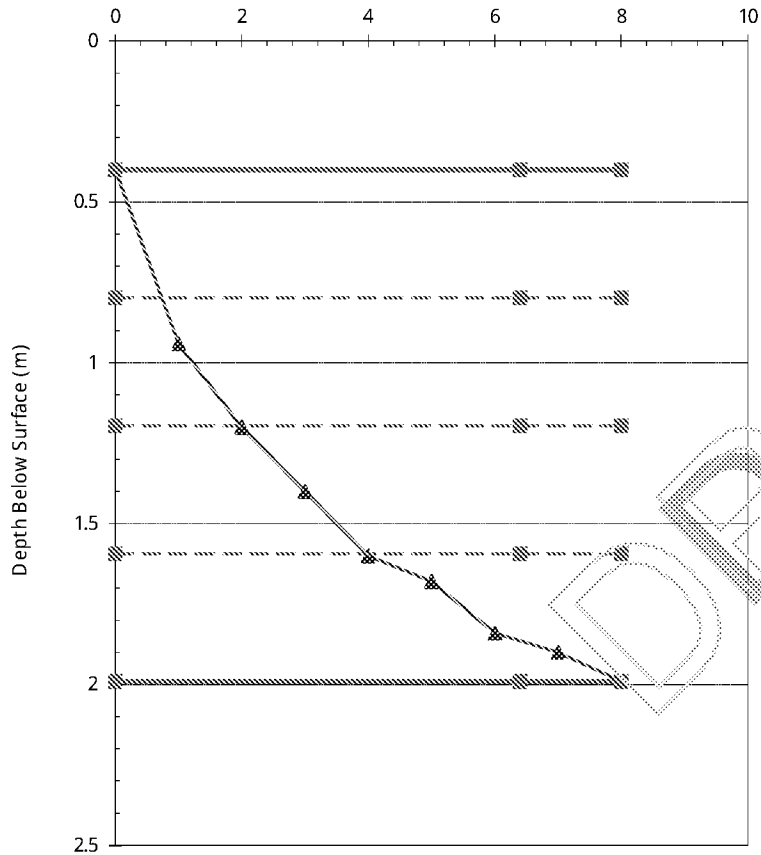
Site:

Tested By:

Test Date: 08/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP307
Test No: Test No 1



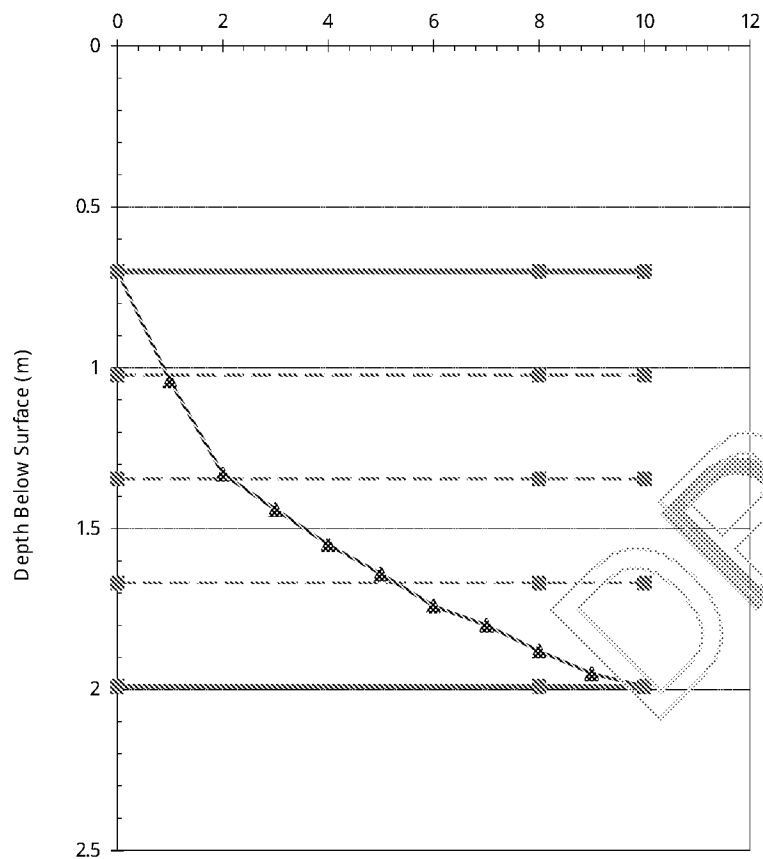
Pit Length (m)	1.86
Pit Width (m)	0.48
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.59
Total Soakage Test Time (min)	8
Mean Internal Discharge Area (m ²)	4.6134
Discharge Rate (litre/min)	43.99817
Soakage Rate (litre/m ² /min)	9.537037
BRE Soil Infiltration Rate (m/sec)	0.000159

Comments:
Pit was emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 07/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP307
Test No: Test No 2



Pit Length (m)	1.86
Pit Width (m)	0.48
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.7
Max Water Dropdown during Test (m)	1.29
Total Soakage Test Time (min)	10
Mean Internal Discharge Area (m2)	3.9114
Discharge Rate (litre/min)	26.62013
Soakage Rate (litre/m2/min)	6.80578
BRE Soil Infiltration Rate (m/sec)	0.000113

Comments:

Pit was emptied at finish of test.

Client:

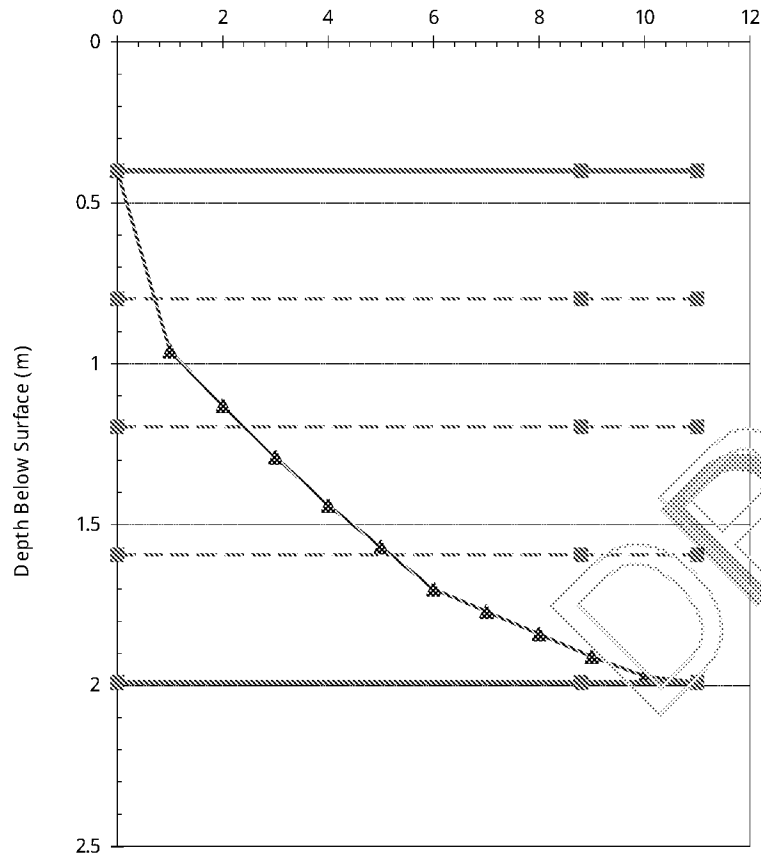
Site:

Tested By:

Test Date: 07/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP307
Test No: Test No 3



Pit Length (m)	1.86
Pit Width (m)	0.48
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.59
Total Soakage Test Time (min)	11
Mean Internal Discharge Area (m2)	4.6134
Discharge Rate (litre/min)	31.8053
Soakage Rate (litre/m2/min)	6.894114
BRE Soil Infiltration Rate (m/sec)	0.000115

Comments:

Pit was emptied at finish of test.

Client:

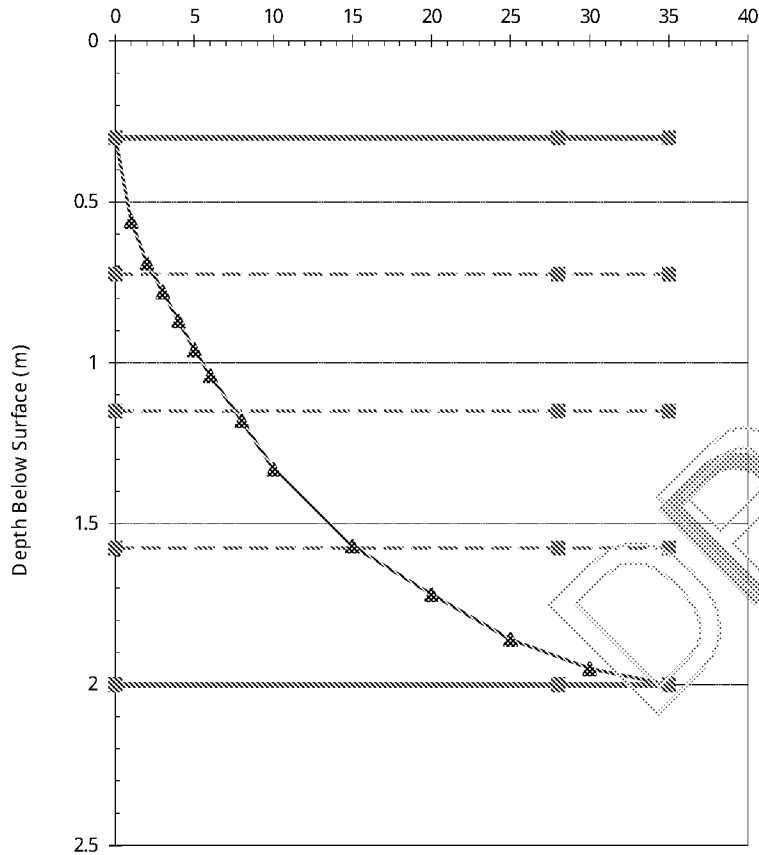
Site:

Tested By:

Test Date: 07/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP308
Test No: Test No 1



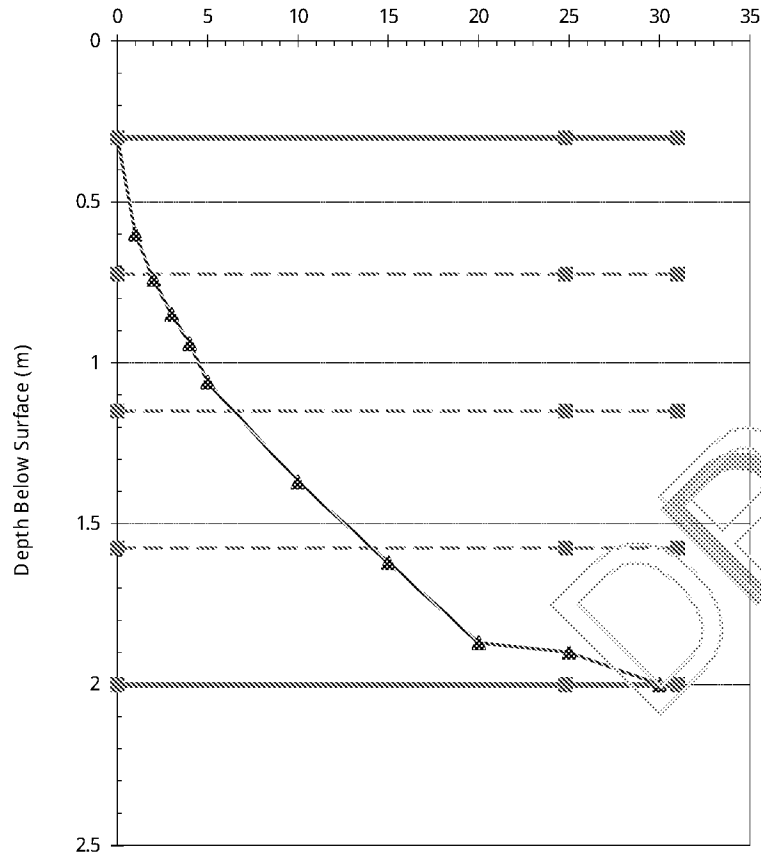
Pit Length (m)	1.94
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.3
Max Water Dropdown during Test (m)	1.7
Total Soakage Test Time (min)	35
Mean Internal Discharge Area (m2)	5.0452
Discharge Rate (litre/min)	12.38901
Soakage Rate (litre/m2/min)	2.455603
BRE Soil Infiltration Rate (m/sec)	4.09E -05

Comments:
Pit was emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 07/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP308
Test No: Test No 2



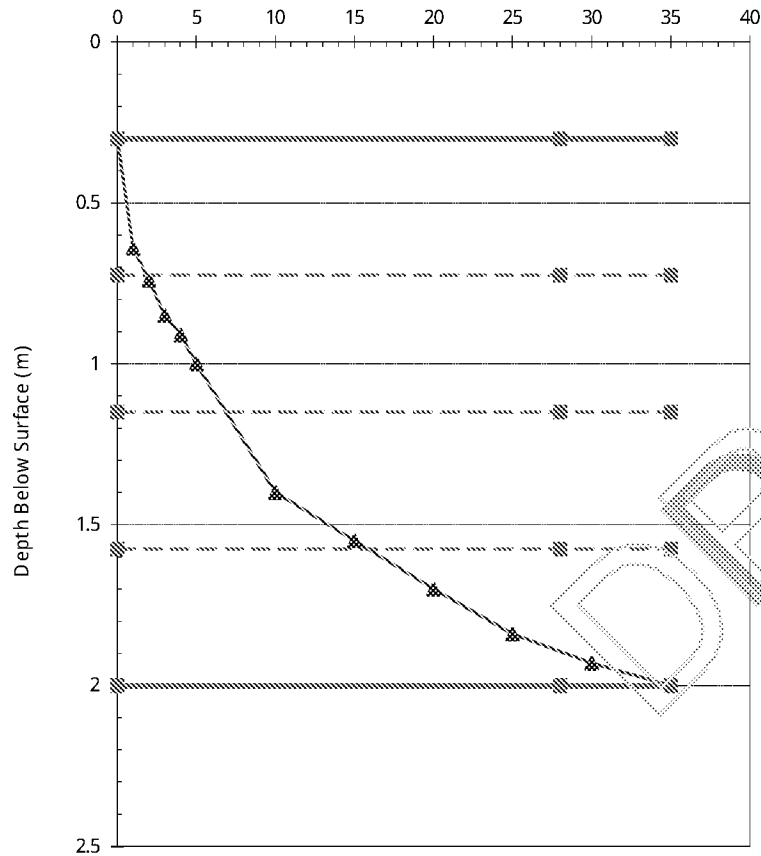
Pit Length (m)	1.94
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.3
Max Water Dropdown during Test (m)	1.7
Total Soakage Test Time (min)	31
Mean Internal Discharge Area (m2)	5.0452
Discharge Rate (litre/min)	12.96815
Soakage Rate (litre/m2/min)	2.570393
BRE Soil Infiltration Rate (m/sec)	4.28E-05

Comments:
Pit was emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 07/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP308
Test No: Test No 3



Pit Length (m)	1.94
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.3
Max Water Dropdown during Test (m)	1.7
Total Soakage Test Time (min)	35
Mean Internal Discharge Area (m2)	5.0452
Discharge Rate (litre/min)	11.32091
Soakage Rate (litre/m2/min)	2.243896
BRE Soil Infiltration Rate (m/sec)	3.74E-05

Comments:

Pit was emptied at finish of test.

Client:

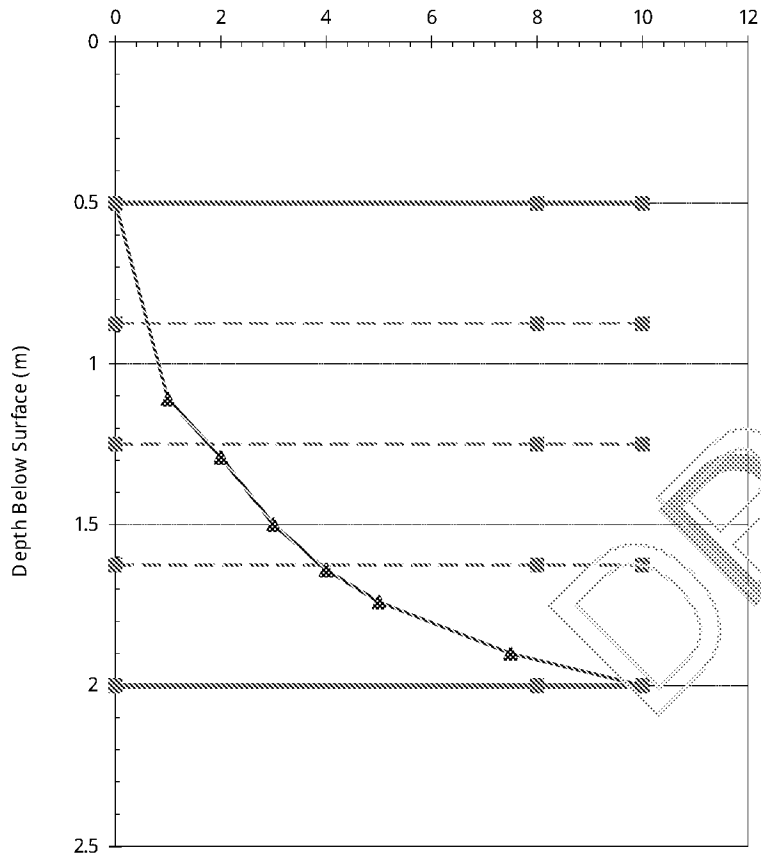
Site:

Tested By:

Test Date: 07/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP309
Test No: Test No 1



Pit Length (m)	1.92
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.5
Total Soakage Test Time (min)	10
Mean Internal Discharge Area (m2)	4.5216
Discharge Rate (litre/min)	42.17073
Soakage Rate (litre/m2/min)	9.326506
BRE Soil Infiltration Rate (m/sec)	0.000155

Comments:

Pit was emptied at finish of test.

Client:

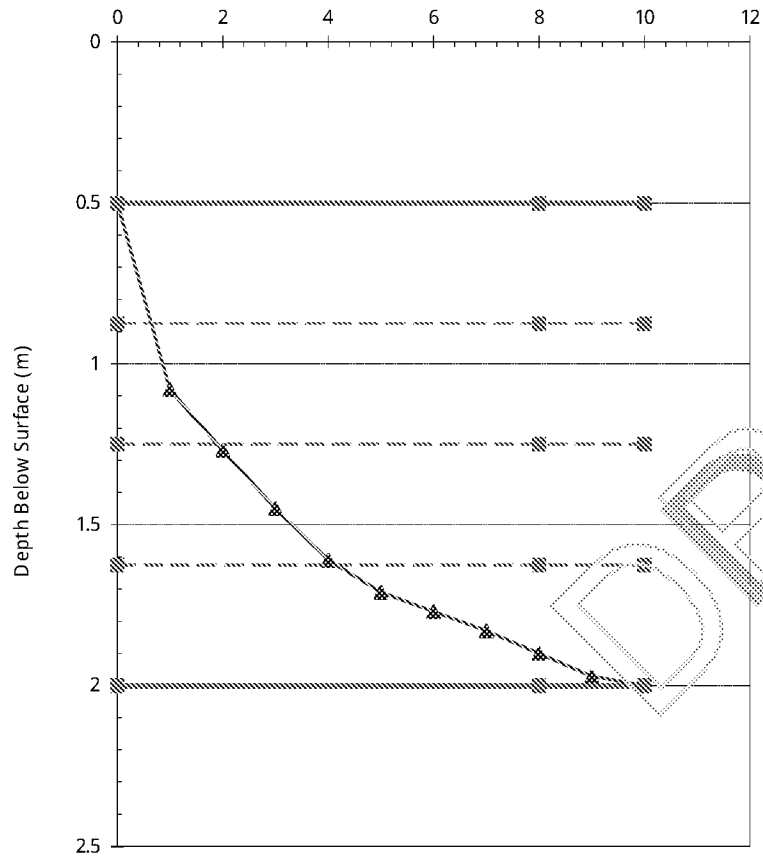
Site:

Tested By:

Test Date: 05/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP309
Test No: Test No 2



Pit Length (m)	1.92
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.5
Total Soakage Test Time (min)	10
Mean Internal Discharge Area (m2)	4.5216
Discharge Rate (litre/min)	39.45827
Soakage Rate (litre/m2/min)	8.726616
BRE Soil Infiltration Rate (m/sec)	0.000145

Comments:

Pit was emptied at finish of test.

Client:

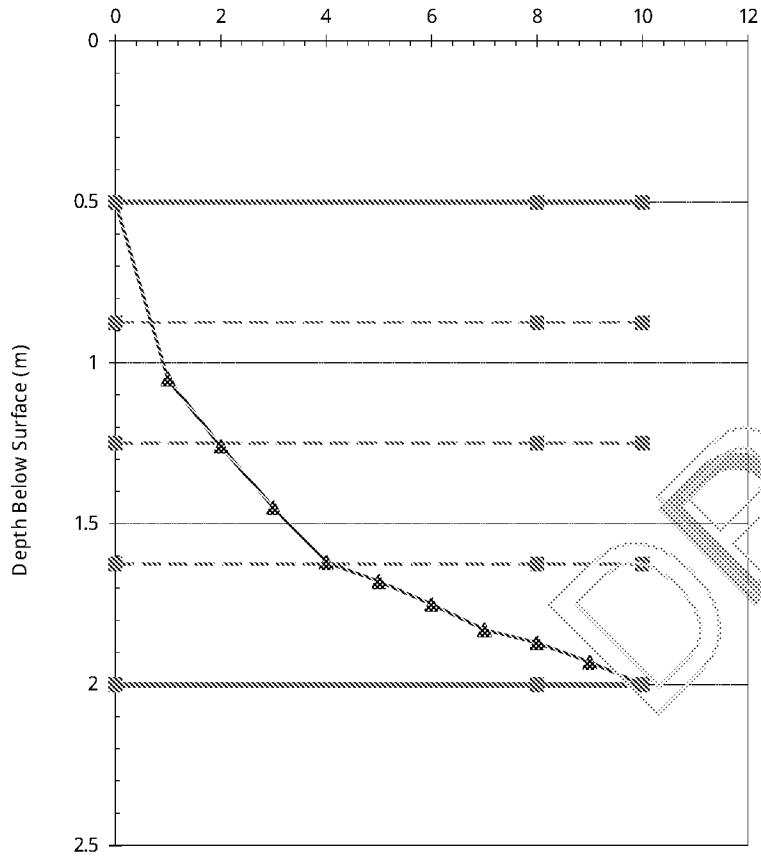
Site:

Tested By:

Test Date: 05/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP309
Test No: Test No 3



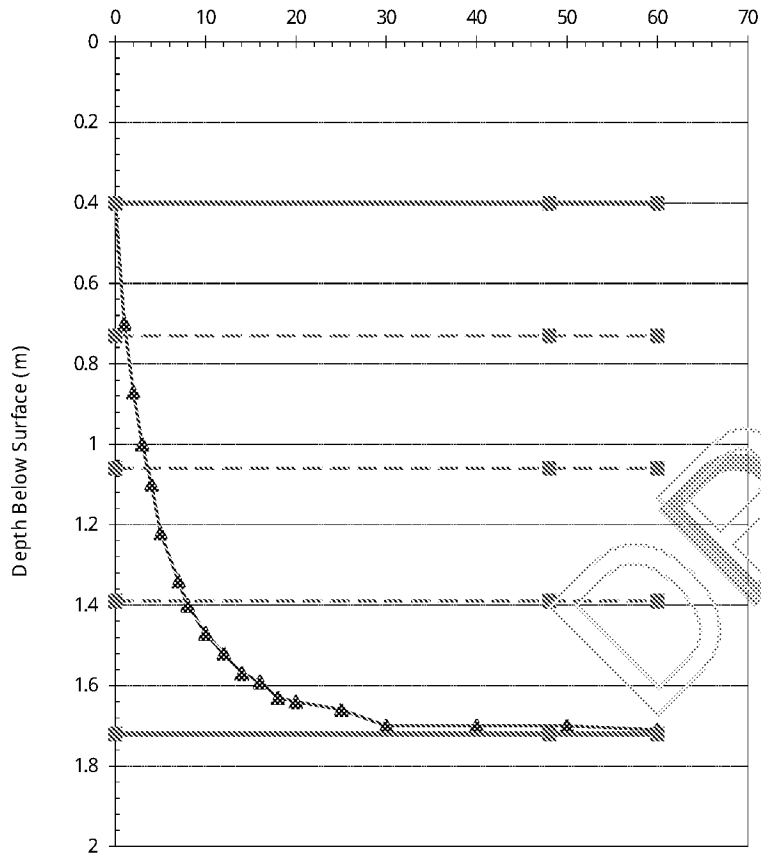
Pit Length (m)	1.92
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.5
Total Soakage Test Time (min)	10
Mean Internal Discharge Area (m2)	4.5216
Discharge Rate (litre/min)	40.64071
Soakage Rate (litre/m2/min)	8.988126
BRE Soil Infiltration Rate (m/sec)	0.00015

Comments:
Pit was emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 05/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP310
Test No: Test No 1



Pit Length (m)	1.9
Pit Width (m)	0.48
Depth to Pit Base (m)	1.72
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.92
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.31
Total Soakage Test Time (min)	60
Mean Internal Discharge Area (m ²)	3.5776
Discharge Rate (litre/min)	12.23576
Soakage Rate (litre/m ² /min)	3.420104
BRE Soil Infiltration Rate (m/sec)	5.7E-05

Comments:

Pit was nearly emptied at finish of test.

Client:

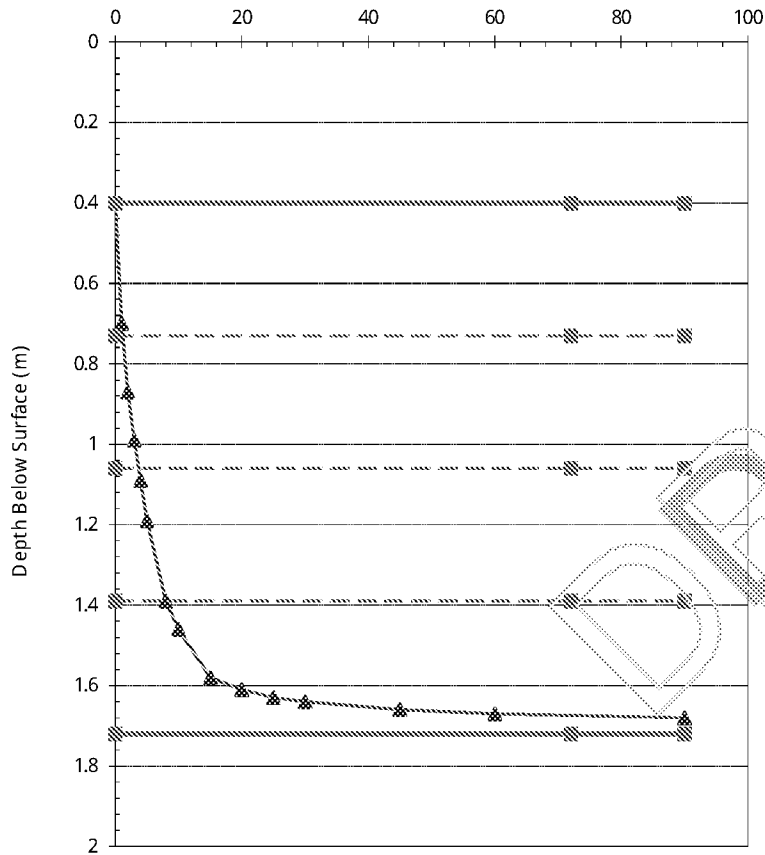
Site:

Tested By:

Test Date: 05/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP310
Test No: Test No 2



Pit Length (m)	1.9
Pit Width (m)	0.48
Depth to Pit Base (m)	1.72
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.92
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.28
Total Soakage Test Time (min)	90
Mean Internal Discharge Area (m2)	3.5776
Discharge Rate (litre/min)	11.68566
Soakage Rate (litre/m2/min)	3.26634
BRE Soil Infiltration Rate (m/sec)	5.44E-05

Comments:

Pit was nearly emptied at finish of test.

Client:

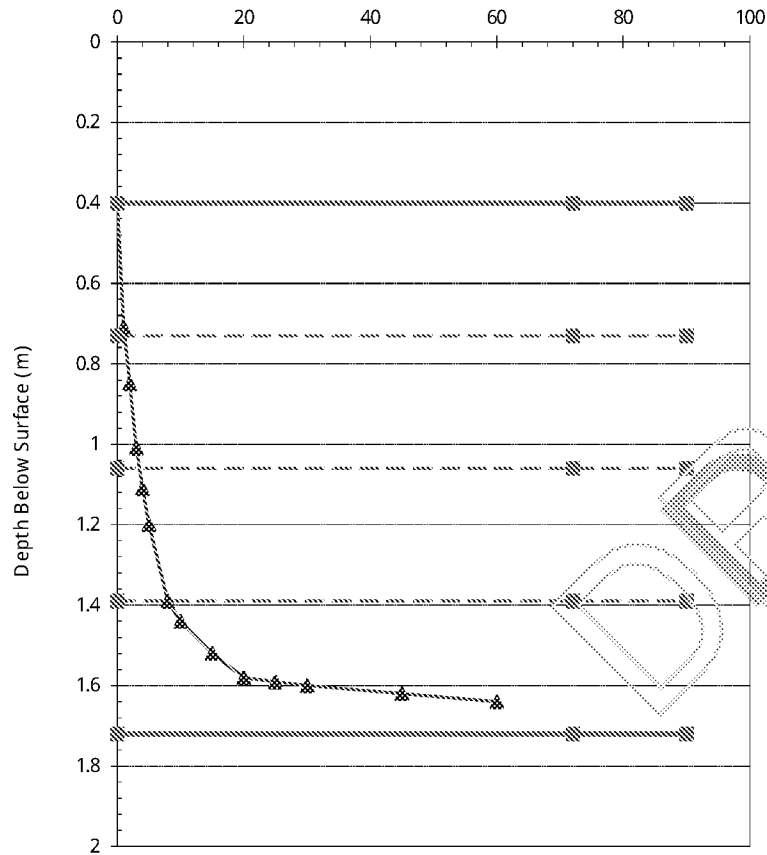
Site:

Tested By:

Test Date: 06/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP310
Test No: Test No 3



Pit Length (m)	1.9
Pit Width (m)	0.48
Depth to Pit Base (m)	1.72
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.92
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.24
Total Soakage Test Time (min)	90
Mean Internal Discharge Area (m2)	3.5776
Discharge Rate (litre/min)	9.140044
Soakage Rate (litre/m2/min)	2.554798
BRE Soil Infiltration Rate (m/sec)	4.26E-05

Comments:

Pit was nearly emptied at finish of test.

Client:

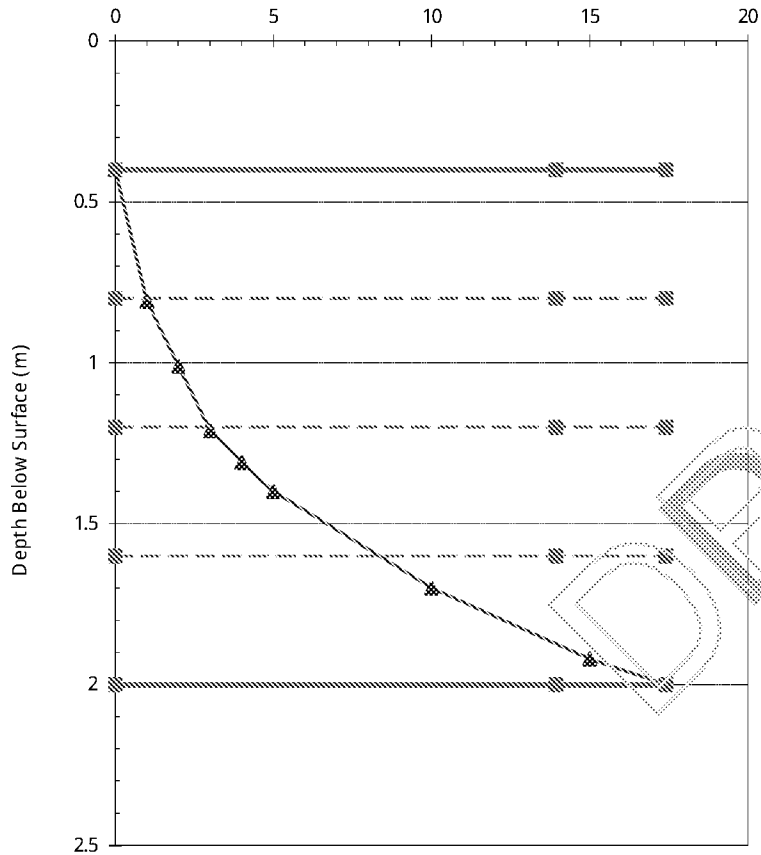
Site:

Tested By:

Test Date: 07/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP311
Test No: Test No 1



Pit Length (m)	1.77
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.6
Total Soakage Test Time (min)	17.41
Mean Internal Discharge Area (m2)	4.4496
Discharge Rate (litre/min)	18.47528
Soakage Rate (litre/m2/min)	4.152121
BRE Soil Infiltration Rate (m/sec)	6.92E-05

Comments:

Pit was emptied at finish of test.

Client:

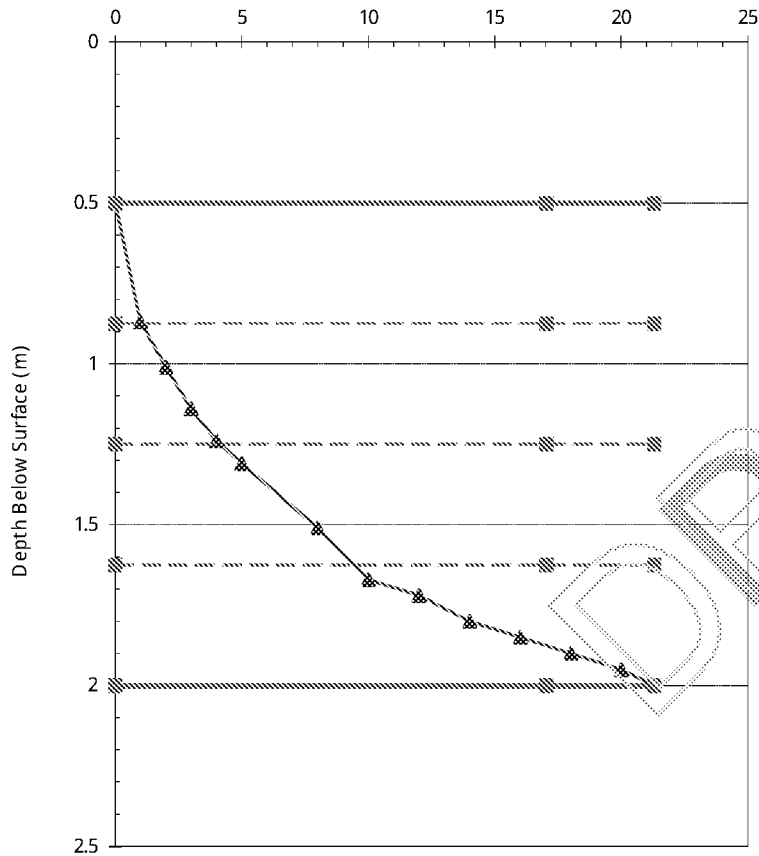
Site:

Tested By:

Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP311
Test No: Test No 2



Pit Length (m)	1.77
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.5
Total Soakage Test Time (min)	21.3
Mean Internal Discharge Area (m2)	4.2246
Discharge Rate (litre/min)	15.1682
Soakage Rate (litre/m2/min)	3.590447
BRE Soil Infiltration Rate (m/sec)	5.98E-05

Comments:

Pit was emptied at finish of test.

Client:

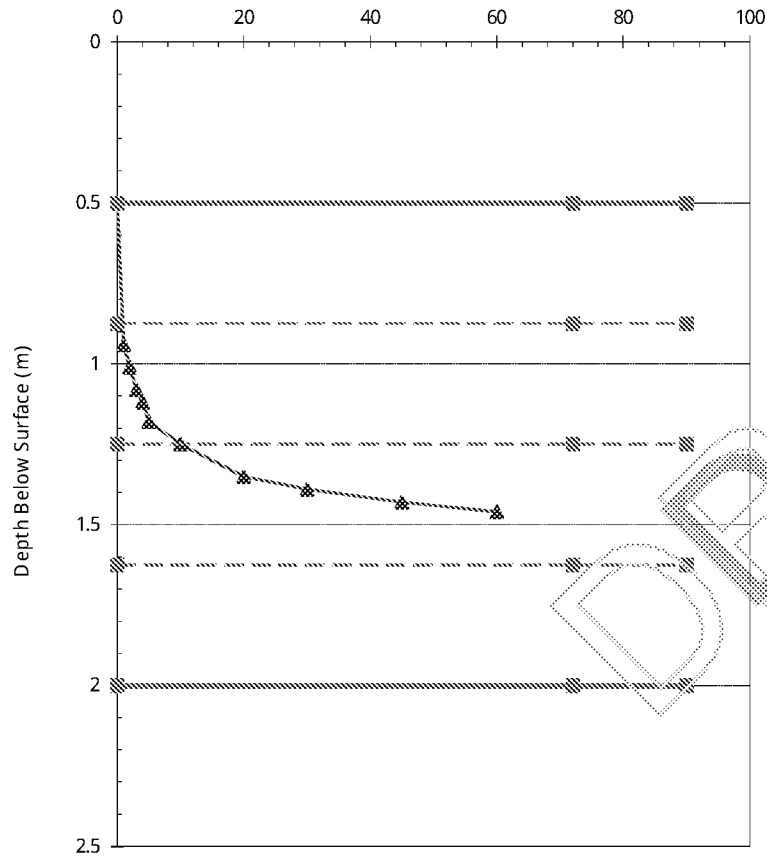
Site:

Tested By:

Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP311
Test No: Test No 3



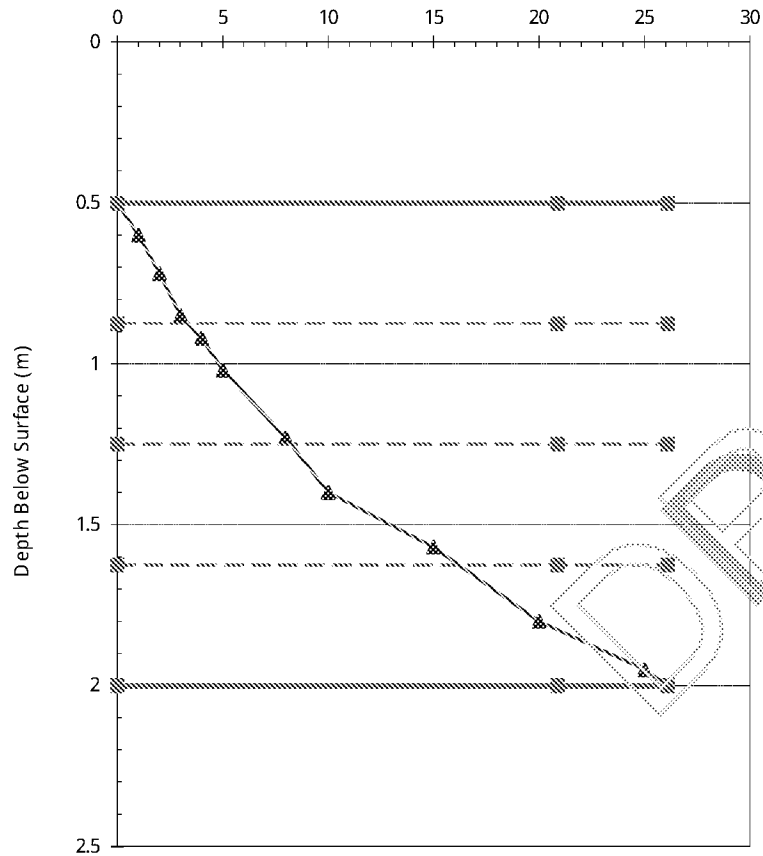
Pit Length (m)	1.77
Pit Width (m)	0.48
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	0.96
Total Soakage Test Time (min)	90
Mean Internal Discharge Area (m2)	4.59585
Discharge Rate (litre/min)	1.115039
Soakage Rate (litre/m2/min)	0.242619
BRE Soil Infiltration Rate (m/sec)	4.04E-06

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP312
Test No: Test No 1



Pit Length (m)	1.8
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.5
Total Soakage Test Time (min)	26.1
Mean Internal Discharge Area (m2)	4.251
Discharge Rate (litre/min)	9.884325
Soakage Rate (litre/m2/min)	2.325176
BRE Soil Infiltration Rate (m/sec)	3.88E-05

Comments:

Pit was emptied at finish of test.

Client:

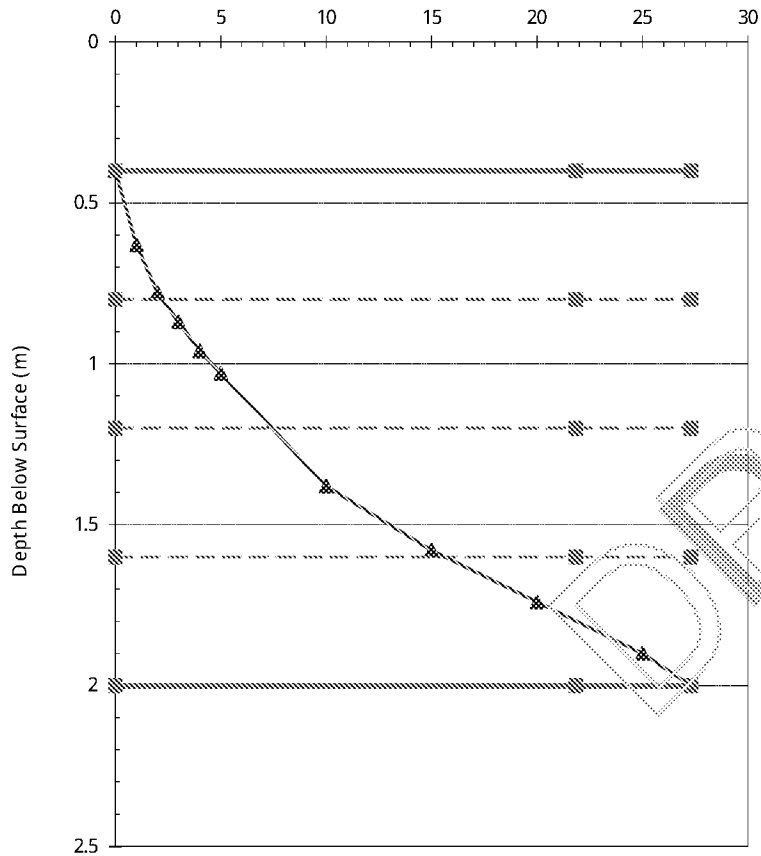
Site:

Tested By:

Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP312
Test No: Test No 2



Pit Length (m)	1.8
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.6
Total Soakage Test Time (min)	27.3
Mean Internal Discharge Area (m2)	4.478
Discharge Rate (litre/min)	10.0994
Soakage Rate (litre/m2/min)	2.255337
BRE Soil Infiltration Rate (m/sec)	3.76E-05

Comments:

Pit was emptied at finish of test.

Client:

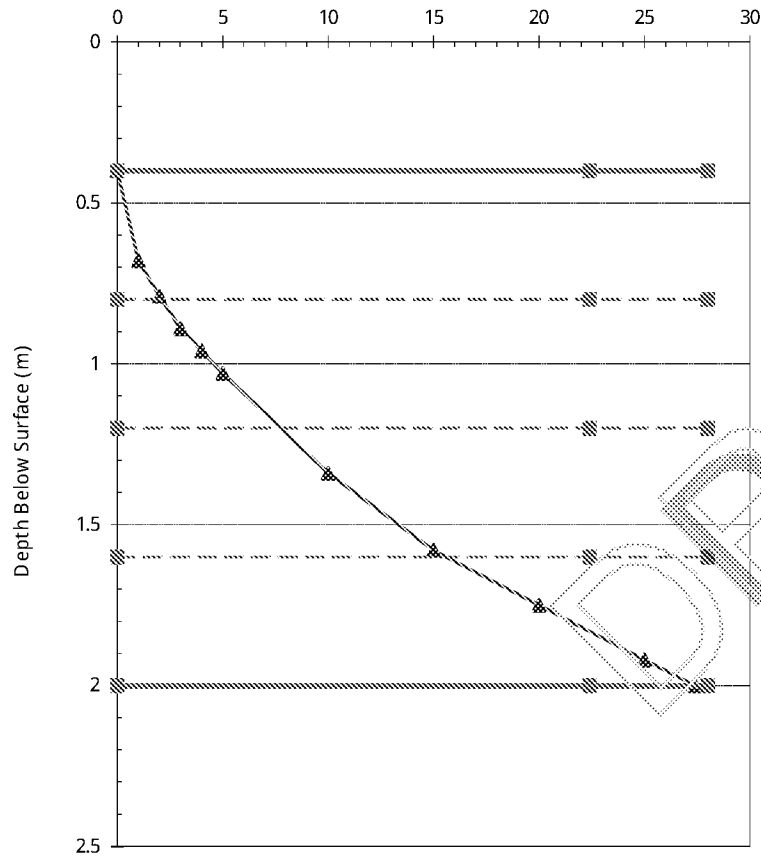
Site:

Tested By:

Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP312
Test No: Test No 3



Pit Length (m)	1.8
Pit Width (m)	0.47
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.6
Total Soakage Test Time (min)	28
Mean Internal Discharge Area (m2)	4.478
Discharge Rate (litre/min)	10.03541
Soakage Rate (litre/m2/min)	2.241048
BRE Soil Infiltration Rate (m/sec)	3.74E-05

Comments:

Pit was emptied at finish of test.

Client:

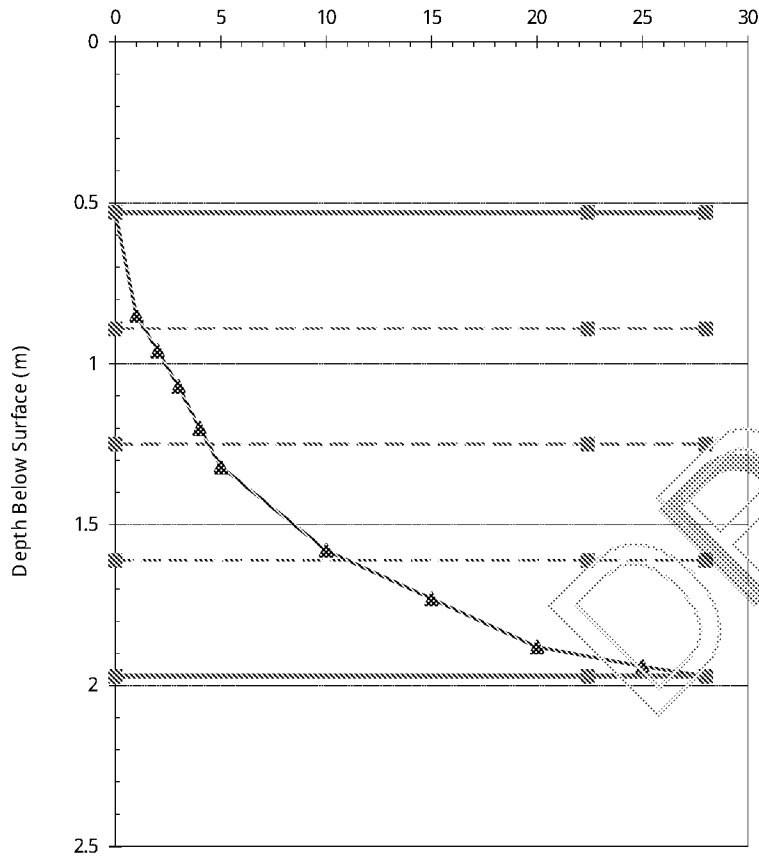
Site:

Tested By:

Test Date: 12/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP313
Test No: Test No 1



Pit Length (m)	1.7
Pit Width (m)	0.48
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.53
Max Water Dropdown during Test (m)	1.44
Total Soakage Test Time (min)	28
Mean Internal Discharge Area (m2)	3.9552
Discharge Rate (litre/min)	12.19381
Soakage Rate (litre/m2/min)	3.082982
BRE Soil Infiltration Rate (m/sec)	5.14E-05

Comments:

Pit was emptied at finish of test.

Client:

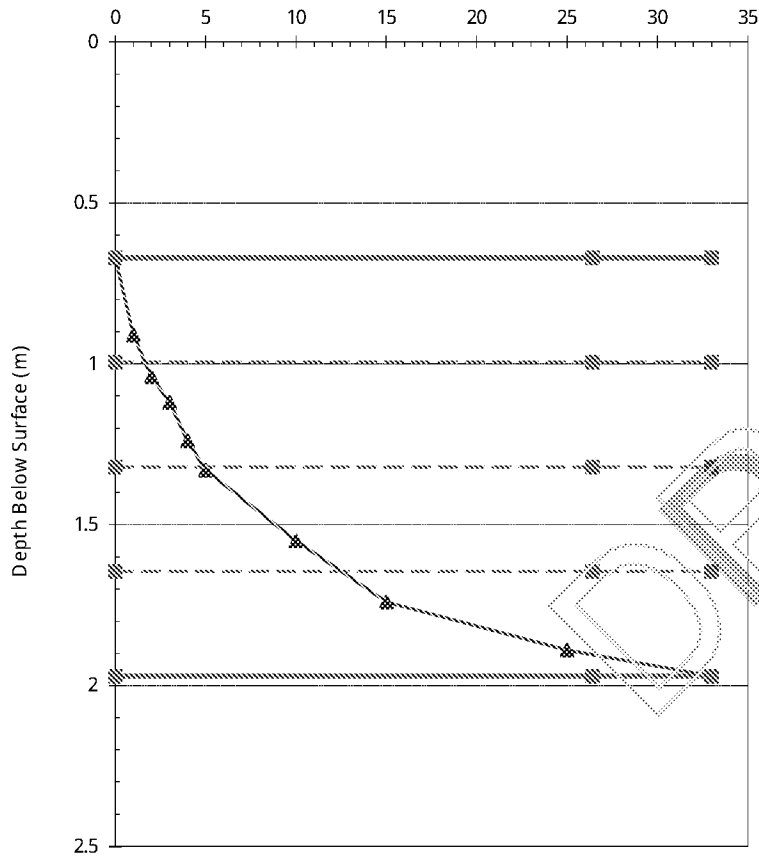
Site:

Tested By:

Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP313
Test No: Test No 2



Pit Length (m)	1.7
Pit Width (m)	0.48
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.67
Max Water Dropdown during Test (m)	1.3
Total Soakage Test Time (min)	33
Mean Internal Discharge Area (m2)	3.65
Discharge Rate (litre/min)	9.780426
Soakage Rate (litre/m2/min)	2.679569
BRE Soil Infiltration Rate (m/sec)	4.47E-05

Comments:

Pit was emptied at finish of test.

Client:

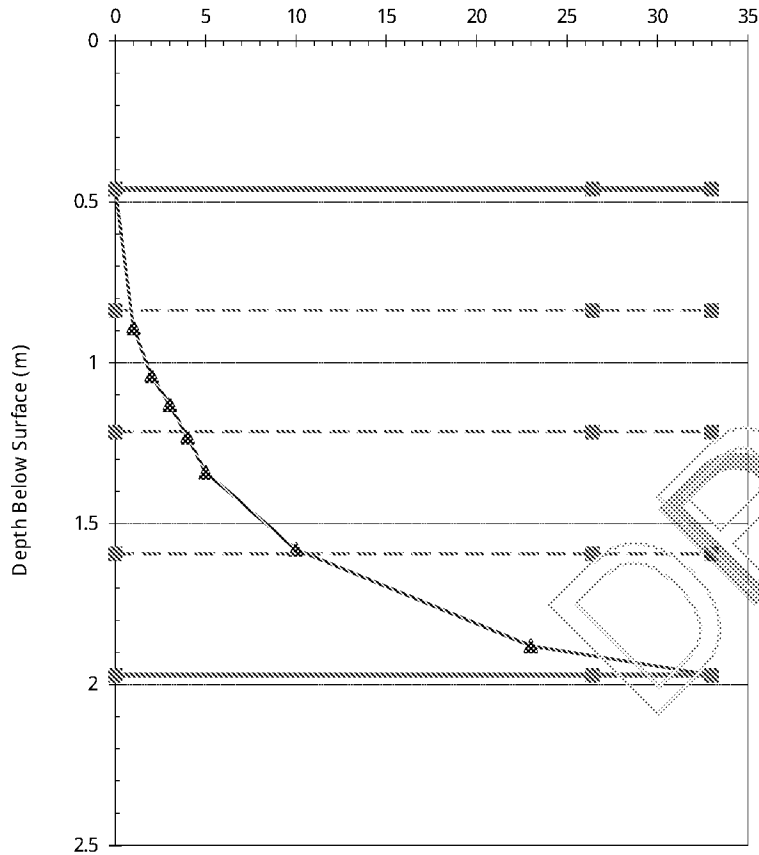
Site:

Tested By:

Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP313
Test No: Test No 3



Pit Length (m)	1.7
Pit Width (m)	0.48
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.46
Max Water Dropdown during Test (m)	1.51
Total Soakage Test Time (min)	33
Mean Internal Discharge Area (m2)	4.1078
Discharge Rate (litre/min)	12.75032
Soakage Rate (litre/m2/min)	3.103928
BRE Soil Infiltration Rate (m/sec)	5.17E-05

Comments:

Pit was emptied at finish of test.

Client:

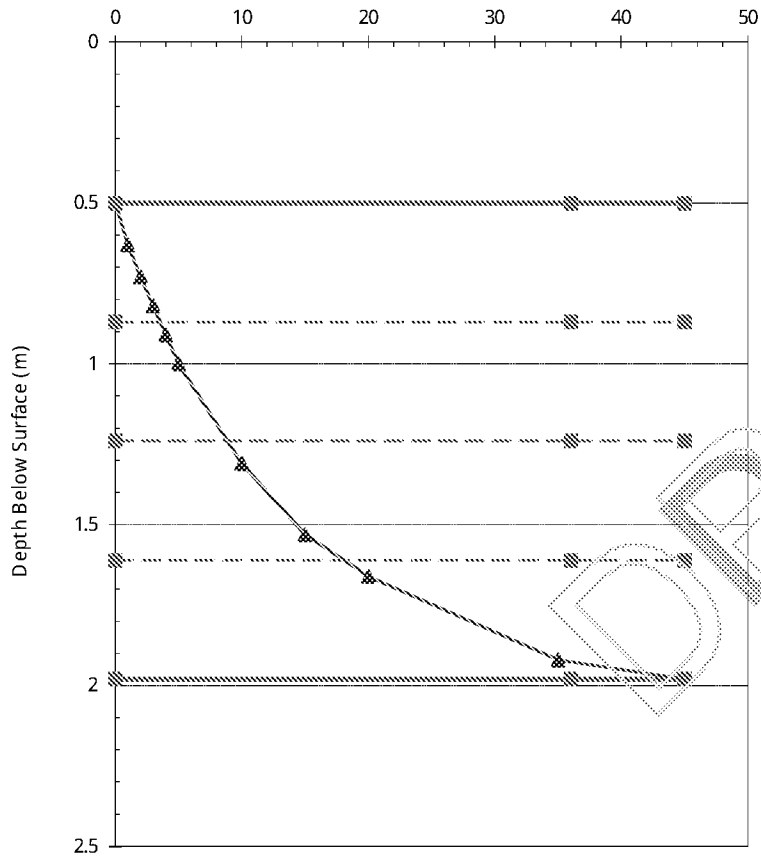
Site:

Tested By:

Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP314
Test No: Test No 1



Pit Length (m)	1.73
Pit Width (m)	0.48
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.48
Total Soakage Test Time (min)	45
Mean Internal Discharge Area (m2)	4.1012
Discharge Rate (litre/min)	8.463335
Soakage Rate (litre/m2/min)	2.063624
BRE Soil Infiltration Rate (m/sec)	3.44E-05

Comments:

Pit was emptied at finish of test.

Client:

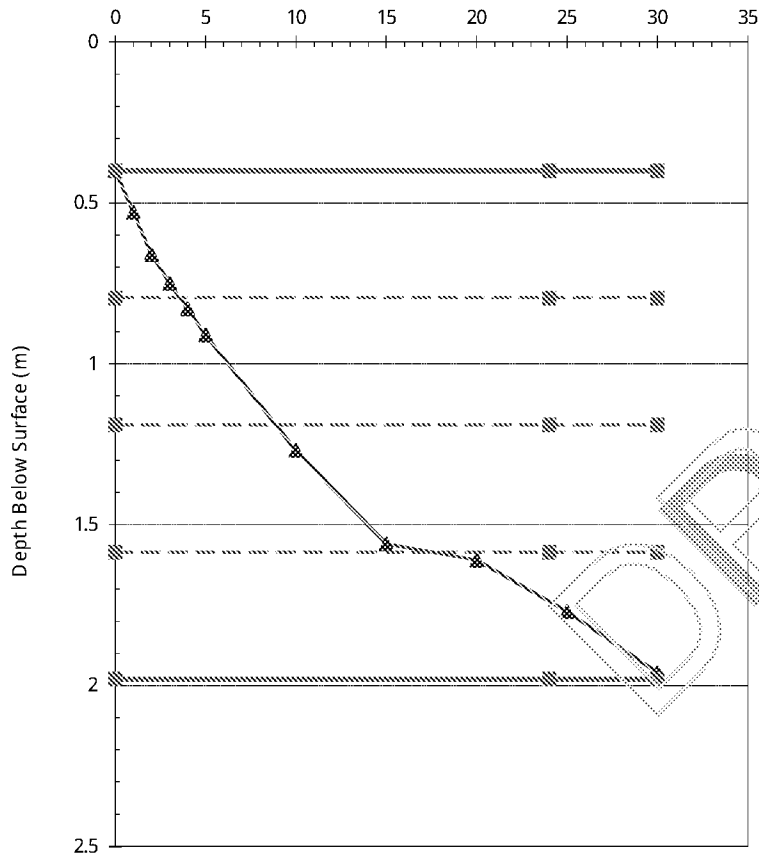
Site:

Tested By:

Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP314
Test No: Test No 2



Pit Length (m)	1.73
Pit Width (m)	0.48
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.56
Total Soakage Test Time (min)	30
Mean Internal Discharge Area (m2)	4.3222
Discharge Rate (litre/min)	9.413683
Soakage Rate (litre/m2/min)	2.177984
BRE Soil Infiltration Rate (m/sec)	3.63E-05

Comments:

Pit was nearly emptied at finish of test.

Client:

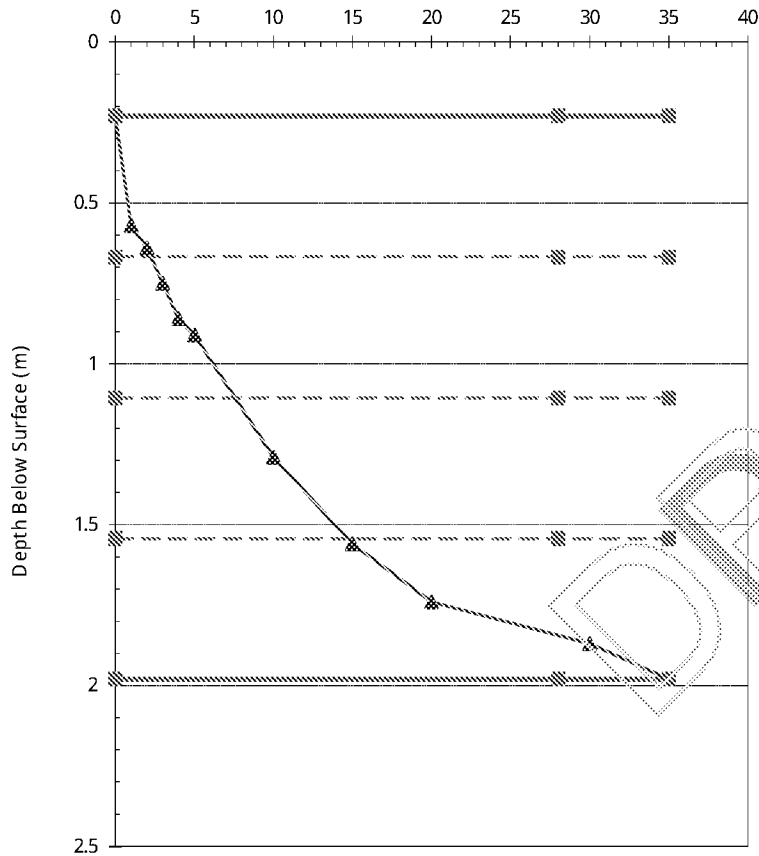
Site:

Tested By:

Test Date: 18/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP314
Test No: Test No 3



Pit Length (m)	1.73
Pit Width (m)	0.48
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.23
Max Water Dropdown during Test (m)	1.75
Total Soakage Test Time (min)	35
Mean Internal Discharge Area (m2)	4.6979
Discharge Rate (litre/min)	11.6949
Soakage Rate (litre/m2/min)	2.48939
BRE Soil Infiltration Rate (m/sec)	4.15E-05

Comments:

Pit was emptied at finish of test.

Client:

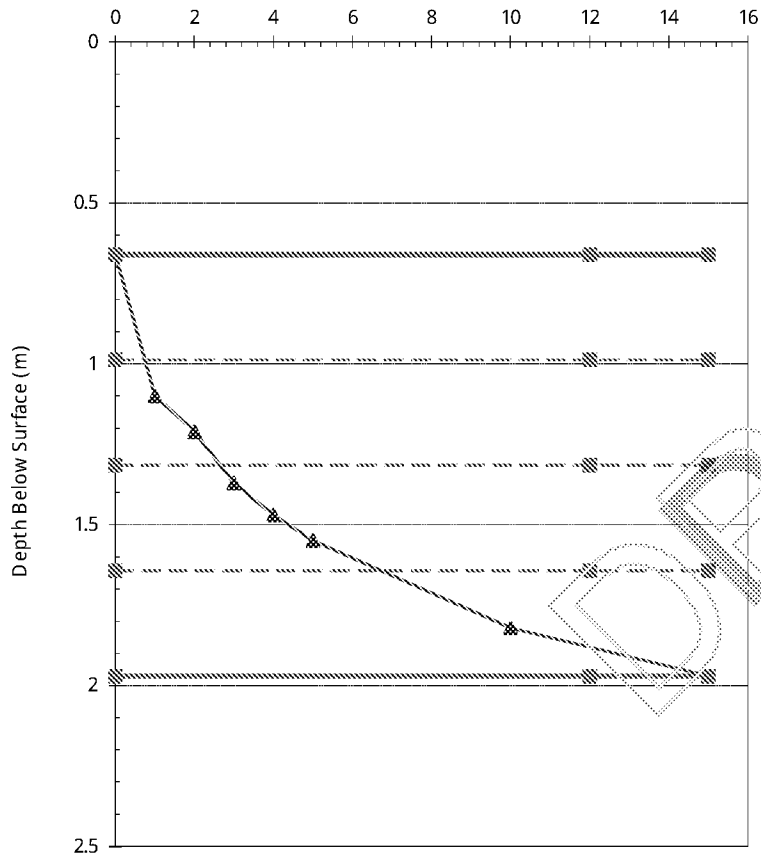
Site:

Tested By:

Test Date: 18/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP315
Test No: Test No 1



Pit Length (m)	1.73
Pit Width (m)	0.48
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.66
Max Water Dropdown during Test (m)	1.31
Total Soakage Test Time (min)	15
Mean Internal Discharge Area (m2)	3.7255
Discharge Rate (litre/min)	18.22564
Soakage Rate (litre/m2/min)	4.892134
BRE Soil Infiltration Rate (m/sec)	8.15E-05

Comments:

Pit was emptied at finish of test.

Client:

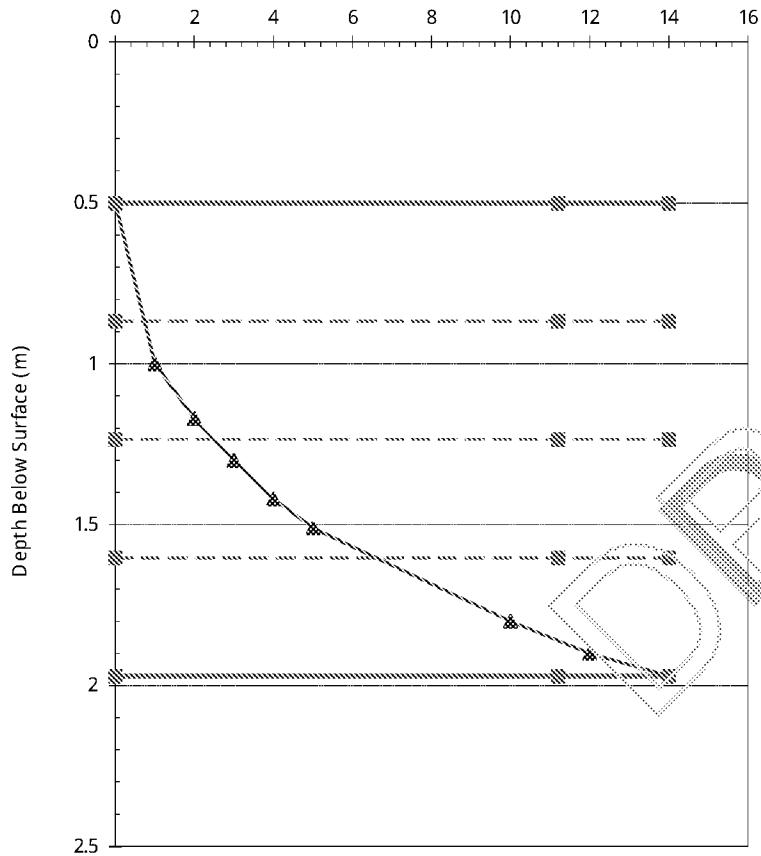
Site:

Tested By:

Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP315
Test No: Test No 2



Pit Length (m)	1.73
Pit Width (m)	0.48
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.47
Total Soakage Test Time (min)	14
Mean Internal Discharge Area (m2)	4.0791
Discharge Rate (litre/min)	20.83147
Soakage Rate (litre/m2/min)	5.106878
BRE Soil Infiltration Rate (m/sec)	8.51E-05

Comments:

Pit was emptied at finish of test.

Client:

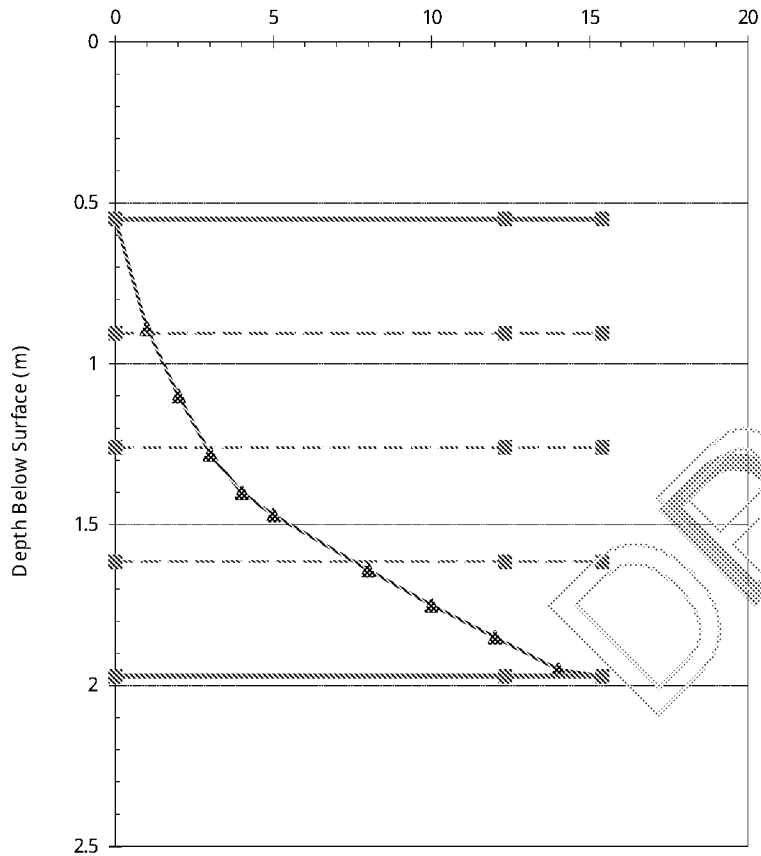
Site:

Tested By:

Test Date: 18/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP315
Test No: Test No 3



Pit Length (m)	1.73
Pit Width (m)	0.48
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.55
Max Water Dropdown during Test (m)	1.42
Total Soakage Test Time (min)	15.4
Mean Internal Discharge Area (m2)	3.9686
Discharge Rate (litre/min)	18.17629
Soakage Rate (litre/m2/min)	4.580027
BRE Soil Infiltration Rate (m/sec)	7.63E-05

Comments:

Pit was emptied at finish of test.

Client:

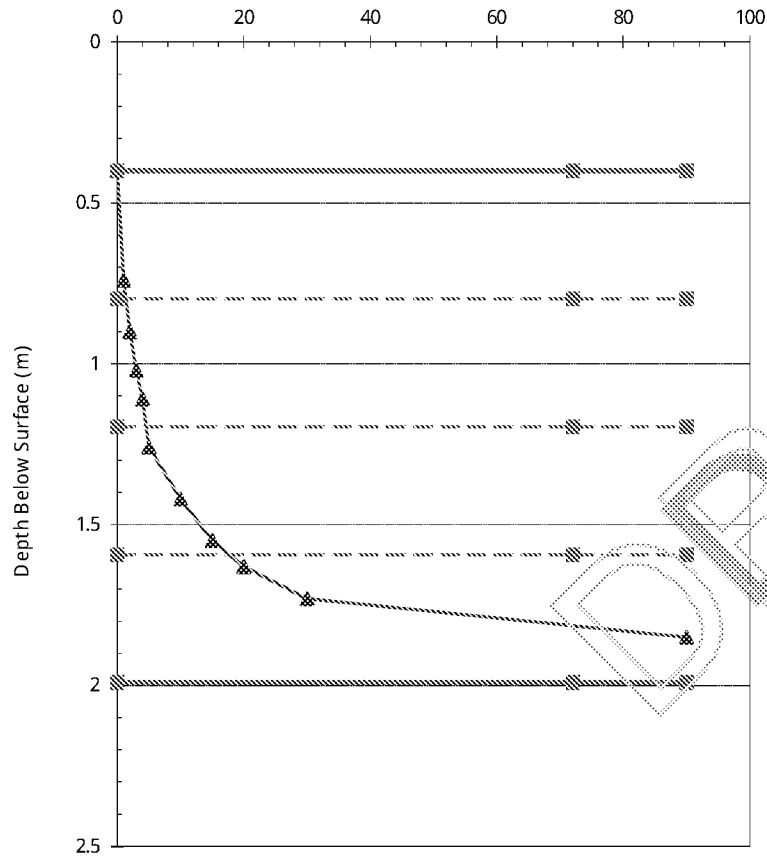
Site:

Tested By:

Test Date: 18/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP316
Test No: Test No 1



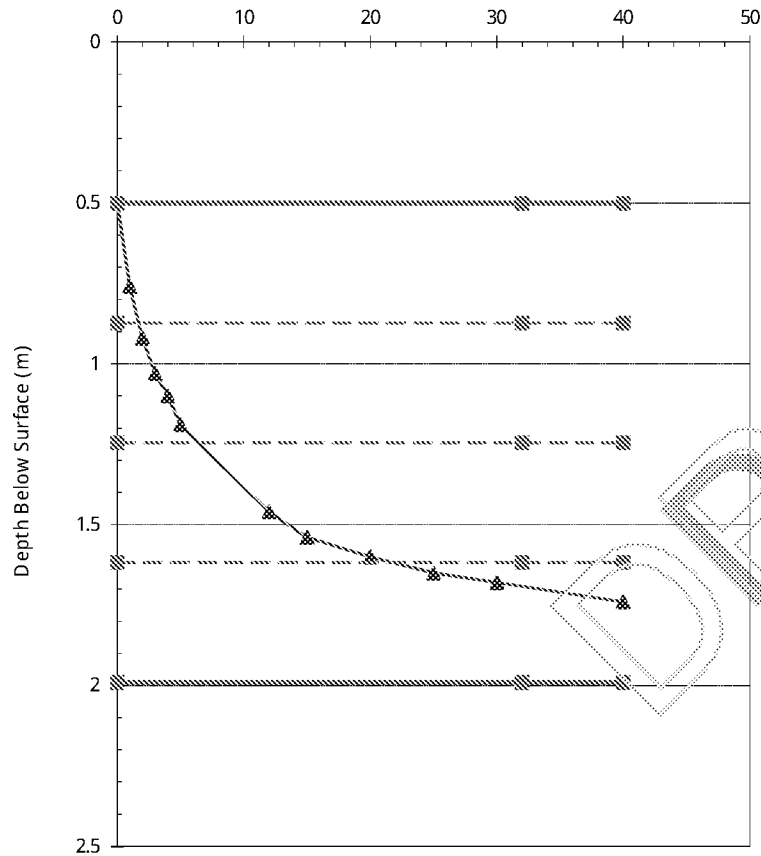
Pit Length (m)	1.7
Pit Width (m)	0.49
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.81
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.45
Total Soakage Test Time (min)	90
Mean Internal Discharge Area (m2)	4.7093
Discharge Rate (litre/min)	11.33259
Soakage Rate (litre/m2/min)	2.406427
BRE Soil Infiltration Rate (m/sec)	4.01E-05

Comments:
Pit was nearly emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 18/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP316
Test No: Test No 2



Pit Length (m)	1.7
Pit Width (m)	0.49
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.81
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.24
Total Soakage Test Time (min)	40
Mean Internal Discharge Area (m2)	4.4903
Discharge Rate (litre/min)	9.55386
Soakage Rate (litre/m2/min)	2.127666
BRE Soil Infiltration Rate (m/sec)	3.55E-05

Comments:

Pit was nearly emptied at finish of test.

Client:

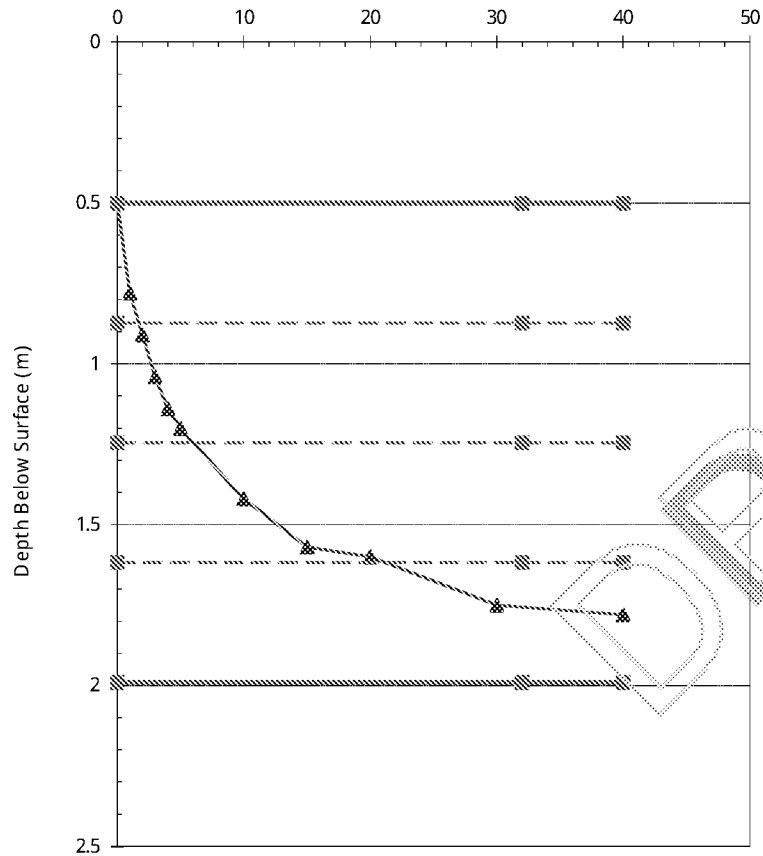
Site:

Tested By:

Test Date: 18/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP316
Test No: Test No 3



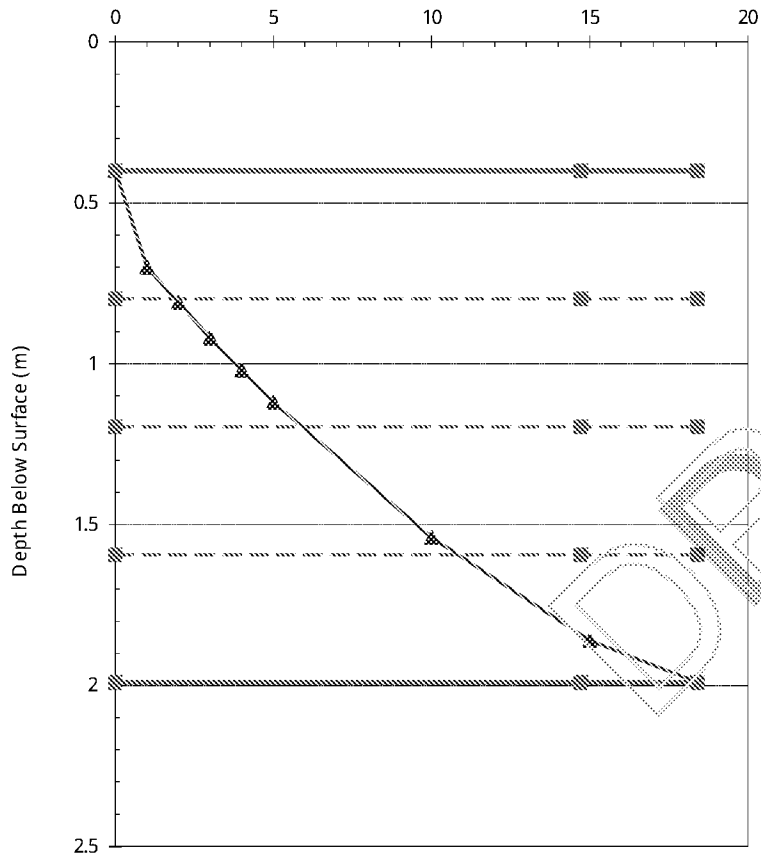
Pit Length (m)	1.7
Pit Width (m)	0.49
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	1.81
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.28
Total Soakage Test Time (min)	40
Mean Internal Discharge Area (m2)	4.4903
Discharge Rate (litre/min)	10.18133
Soakage Rate (litre/m2/min)	2.267406
BRE Soil Infiltration Rate (m/sec)	3.78E-05

Comments:
Pit was nearly emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 18/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP317
Test No: Test No 1



Pit Length (m)	1.8
Pit Width (m)	0.48
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.59
Total Soakage Test Time (min)	18.4
Mean Internal Discharge Area (m ²)	4.4892
Discharge Rate (litre/min)	15.37685
Soakage Rate (litre/m ² /min)	3.425299
BRE Soil Infiltration Rate (m/sec)	5.71E-05

Comments:

Pit was emptied at finish of test.

Client:

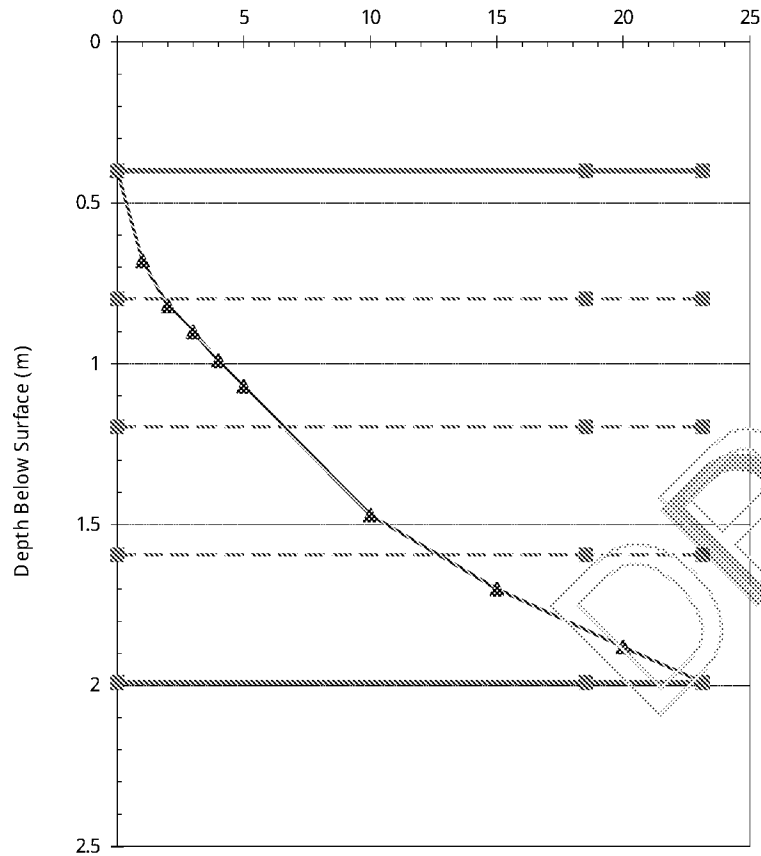
Site:

Tested By:

Test Date: 14/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP317
Test No: Test No 2



Pit Length (m)	1.8
Pit Width (m)	0.48
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.59
Total Soakage Test Time (min)	23.14
Mean Internal Discharge Area (m2)	4.4892
Discharge Rate (litre/min)	12.69208
Soakage Rate (litre/m2/min)	2.827248
BRE Soil Infiltration Rate (m/sec)	4.71E-05

Comments:

Pit was emptied at finish of test.

Client:

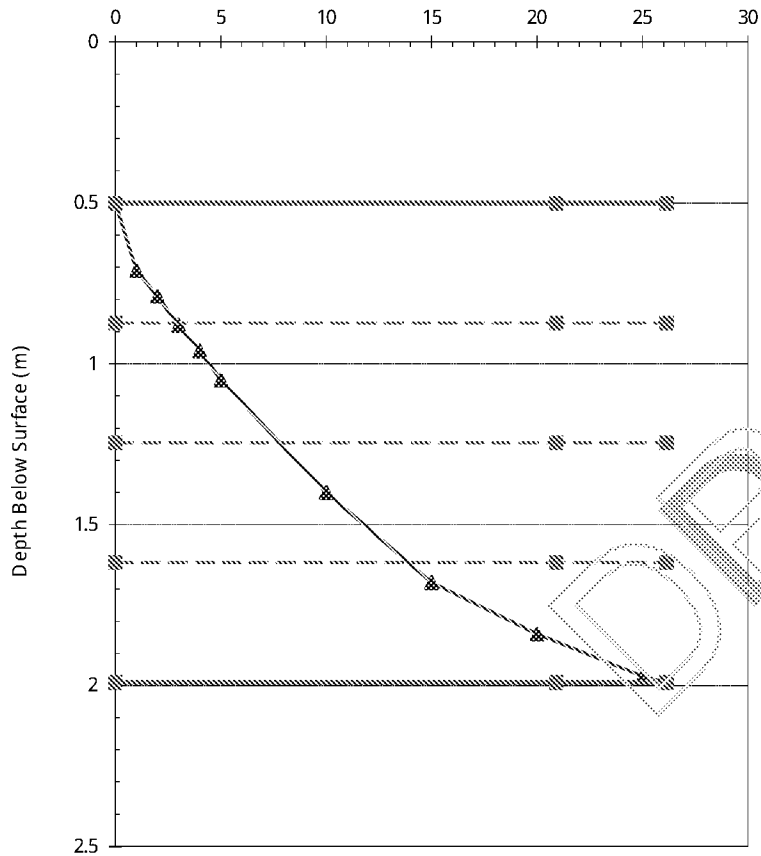
Site:

Tested By:

Test Date: 14/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP317
Test No: Test No 3



Pit Length (m)	1.8
Pit Width (m)	0.48
Depth to Pit Base (m)	1.99
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.49
Total Soakage Test Time (min)	26.14
Mean Internal Discharge Area (m2)	4.2612
Discharge Rate (litre/min)	11.73821
Soakage Rate (litre/m2/min)	2.754672
BRE Soil Infiltration Rate (m/sec)	4.59E-05

Comments:

Pit was emptied at finish of test.

Client:

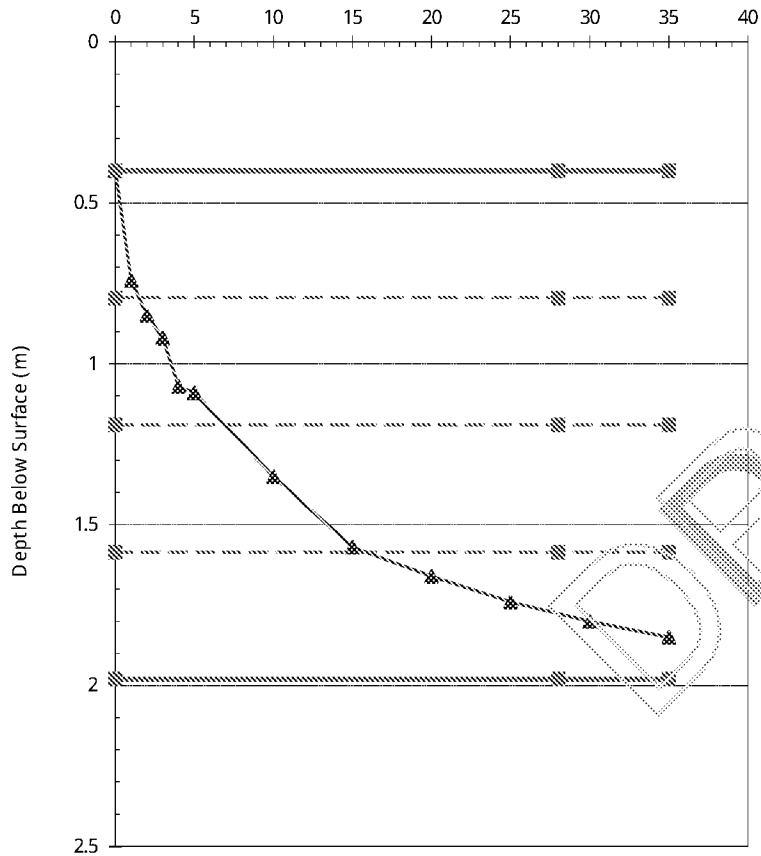
Site:

Tested By:

Test Date: 14/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP318
Test No: Test No 1



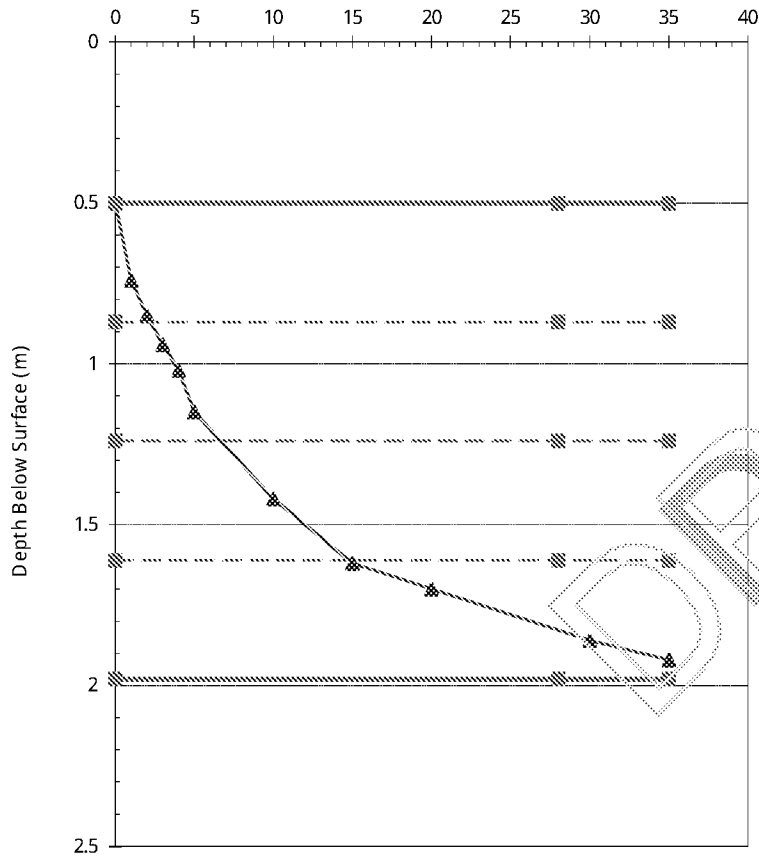
Pit Length (m)	1.72
Pit Width (m)	0.54
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.45
Total Soakage Test Time (min)	35
Mean Internal Discharge Area (m2)	4.4996
Discharge Rate (litre/min)	10.2384
Soakage Rate (litre/m2/min)	2.275402
BRE Soil Infiltration Rate (m/sec)	3.79E-05

Comments:
Pit was nearly emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 14/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP318
Test No: Test No 2



Pit Length (m)	1.72
Pit Width (m)	0.54
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.42
Total Soakage Test Time (min)	35
Mean Internal Discharge Area (m2)	4.2736
Discharge Rate (litre/min)	10.97261
Soakage Rate (litre/m2/min)	2.567533
BRE Soil Infiltration Rate (m/sec)	4.28E-05

Comments:

Pit was nearly emptied at finish of test.

Client:

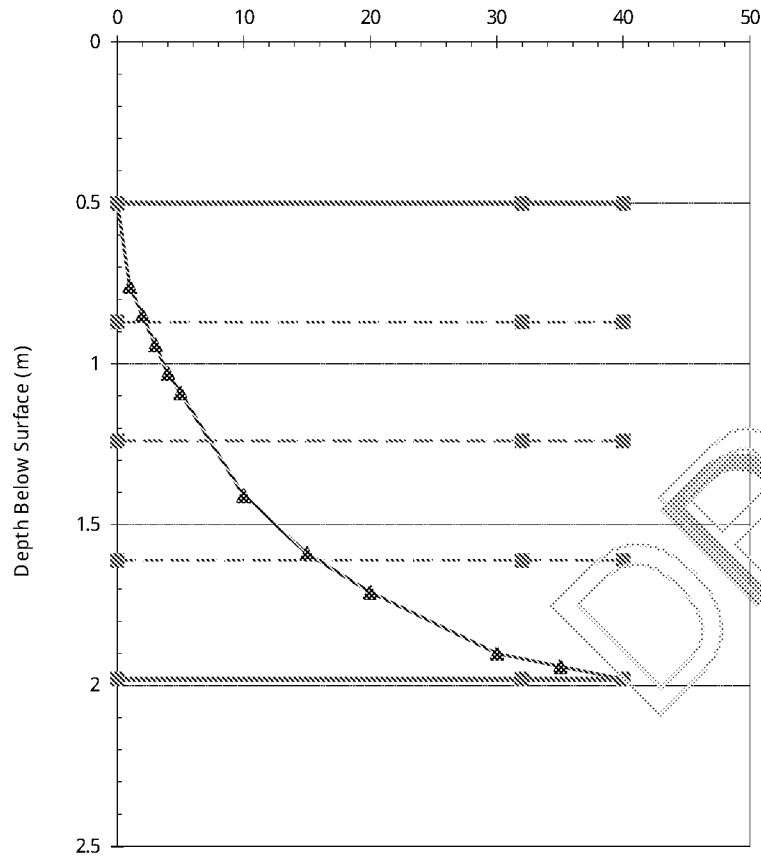
Site:

Tested By:

Test Date: 14/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP318
Test No: Test No 3



Pit Length (m)	1.72
Pit Width (m)	0.54
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.48
Total Soakage Test Time (min)	40
Mean Internal Discharge Area (m2)	4.2736
Discharge Rate (litre/min)	10.09928
Soakage Rate (litre/m2/min)	2.363178
BRE Soil Infiltration Rate (m/sec)	3.94E-05

Comments:

Pit was emptied at finish of test.

Client:

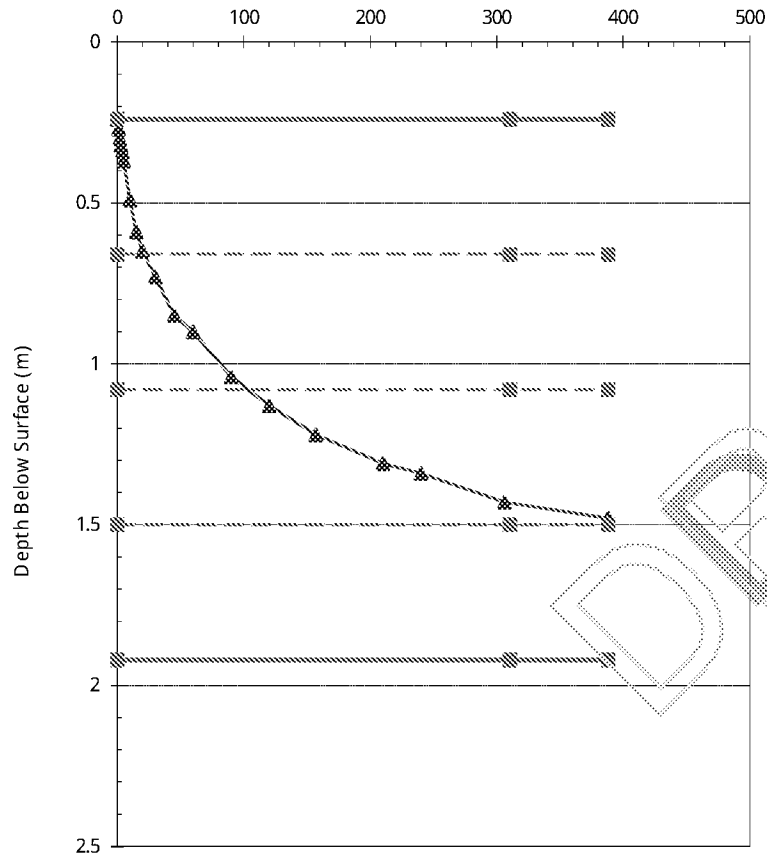
Site:

Tested By:

Test Date: 14/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP319
Test No: Test No 1



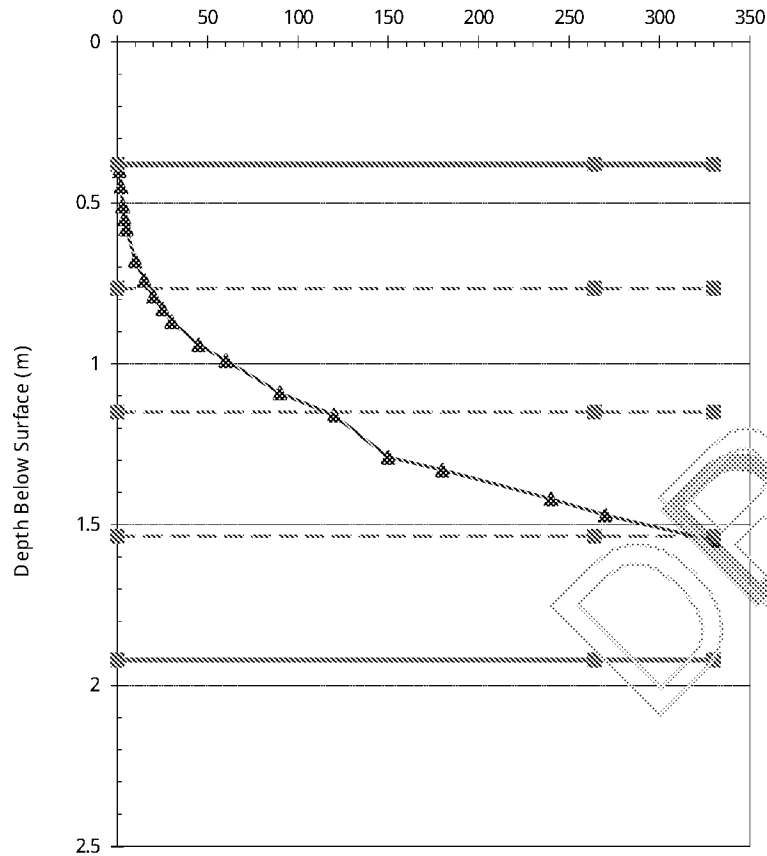
Pit Length (m)	1.65
Pit Width (m)	0.48
Depth to Pit Base (m)	1.92
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.24
Max Water Dropdown during Test (m)	1.24
Total Soakage Test Time (min)	388
Mean Internal Discharge Area (m2)	4.413
Discharge Rate (litre/min)	0.35416
Soakage Rate (litre/m2/min)	0.080254
BRE Soil Infiltration Rate (m/sec)	1.34E-06

Comments: Water level fell to 50% -- 25% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client:
Site:
Tested By:
Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP319
Test No: Test No 2



Pit Length (m)	1.65
Pit Width (m)	0.48
Depth to Pit Base (m)	1.92
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.38
Max Water Dropdown during Test (m)	1.17
Total Soakage Test Time (min)	330
Mean Internal Discharge Area (m2)	4.0722
Discharge Rate (litre/min)	0.404873
Soakage Rate (litre/m2/min)	0.099424
BRE Soil Infiltration Rate (m/sec)	1.66E -06

Comments:

Pit was nearly emptied at finish of test.

Client:

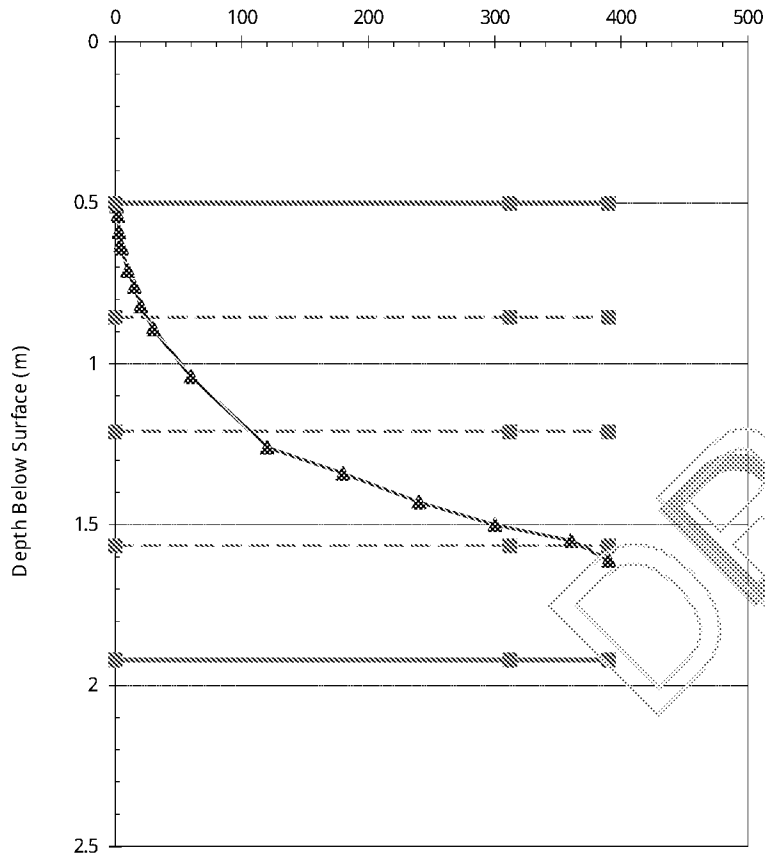
Site:

Tested By:

Test Date: 18/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP319
Test No: Test No 3



Pit Length (m)	1.65
Pit Width (m)	0.48
Depth to Pit Base (m)	1.92
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.11
Total Soakage Test Time (min)	390
Mean Internal Discharge Area (m2)	3.8166
Discharge Rate (litre/min)	0.328362
Soakage Rate (litre/m2/min)	0.086035
BRE Soil Infiltration Rate (m/sec)	1.43E-06

Comments:

Pit was nearly emptied at finish of test.

Client:

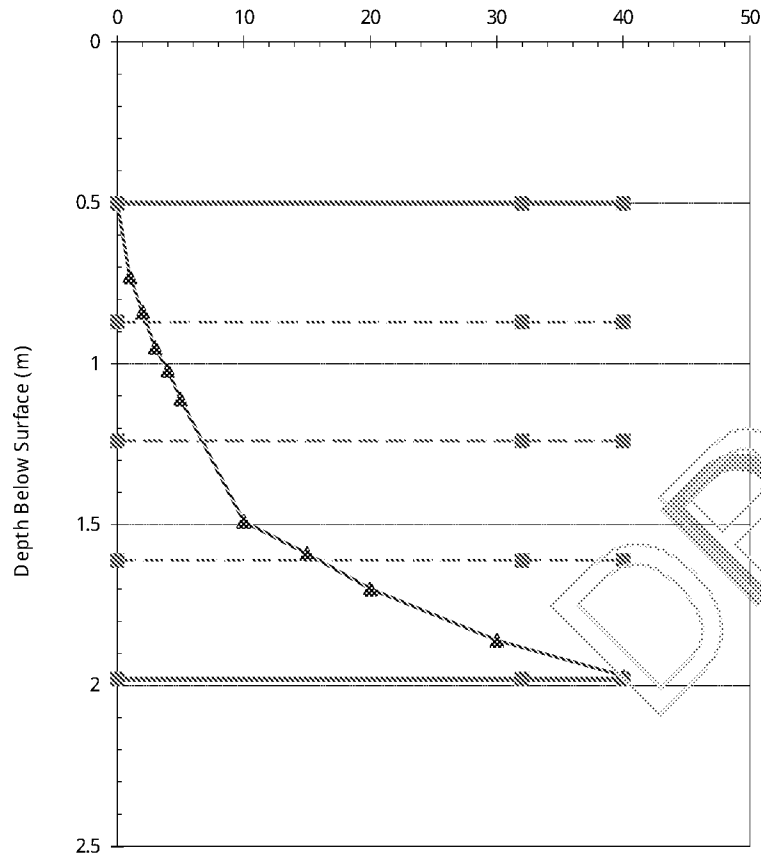
Site:

Tested By:

Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP320
Test No: Test No 1



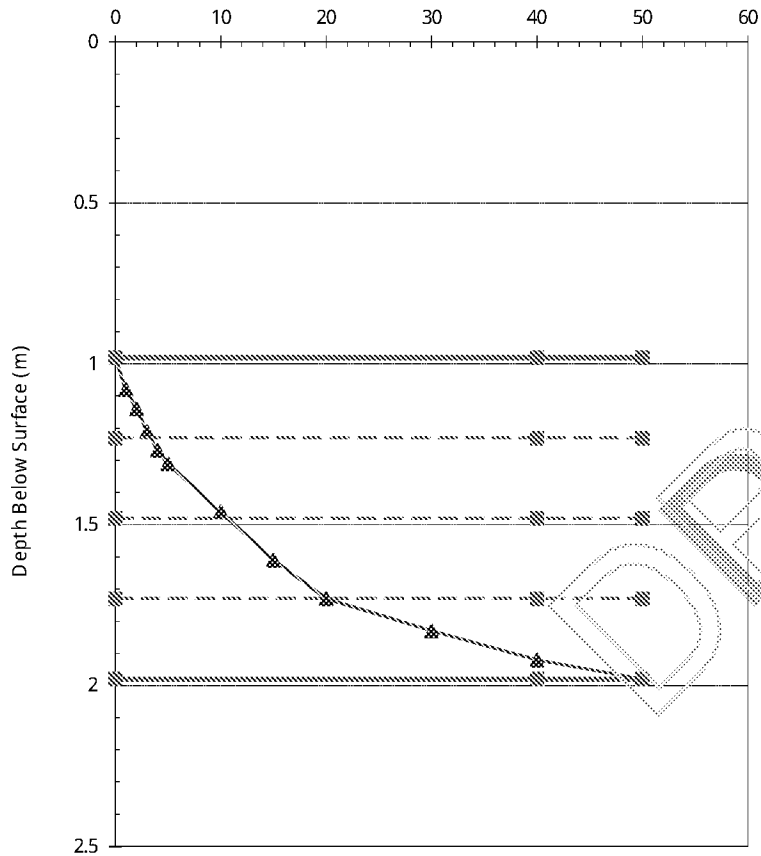
Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.47
Total Soakage Test Time (min)	40
Mean Internal Discharge Area (m2)	4.0886
Discharge Rate (litre/min)	8.875856
Soakage Rate (litre/m2/min)	2.170879
BRE Soil Infiltration Rate (m/sec)	3.62E-05

Comments:
Pit was nearly emptied at finish of test.

Client:
Site:
Tested By:
Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP320
Test No: Test No 2



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.98
Max Water Dropdown during Test (m)	1
Total Soakage Test Time (min)	50
Mean Internal Discharge Area (m2)	3.0278
Discharge Rate (litre/min)	4.9068
Soakage Rate (litre/m2/min)	1.620583
BRE Soil Infiltration Rate (m/sec)	2.7E-05

Comments:

Pit was emptied at finish of test.

Client:

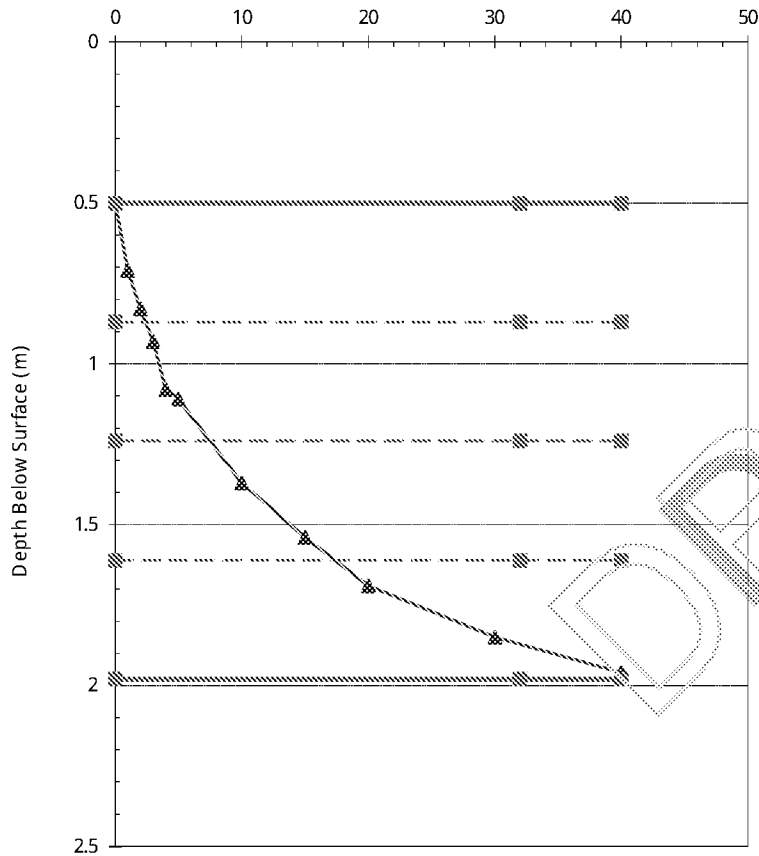
Site:

Tested By:

Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP320
Test No: Test No 3



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.46
Total Soakage Test Time (min)	40
Mean Internal Discharge Area (m2)	4.0886
Discharge Rate (litre/min)	8.104982
Soakage Rate (litre/m2/min)	1.982337
BRE Soil Infiltration Rate (m/sec)	3.3E-05

Comments:

Pit was nearly emptied at finish of test.

Client:

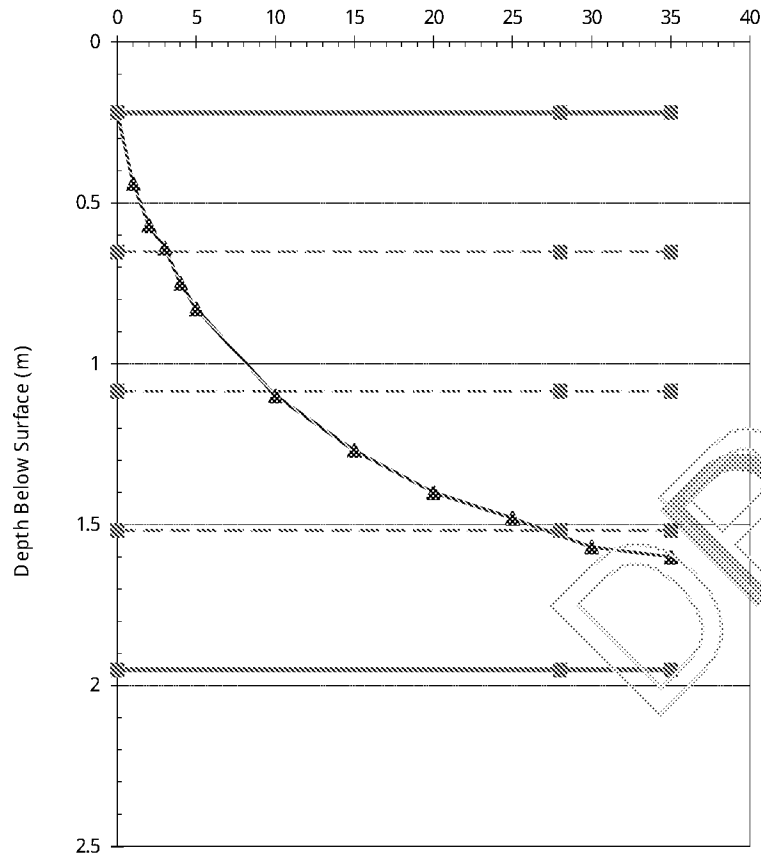
Site:

Tested By:

Test Date: 15/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP321
Test No: Test No 1



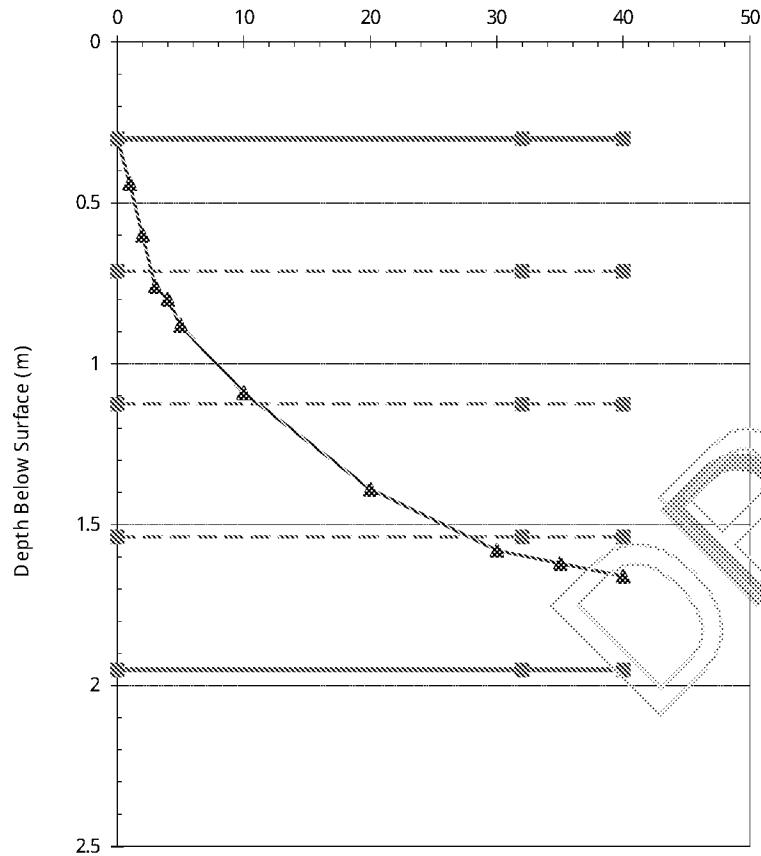
Pit Length (m)	1.7
Pit Width (m)	0.46
Depth to Pit Base (m)	1.95
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.22
Max Water Dropdown during Test (m)	1.38
Total Soakage Test Time (min)	35
Mean Internal Discharge Area (m2)	4.5188
Discharge Rate (litre/min)	5.644043
Soakage Rate (litre/m2/min)	1.249014
BRE Soil Infiltration Rate (m/sec)	2.08E-05

Comments:
Pit was nearly emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP321
Test No: Test No 2



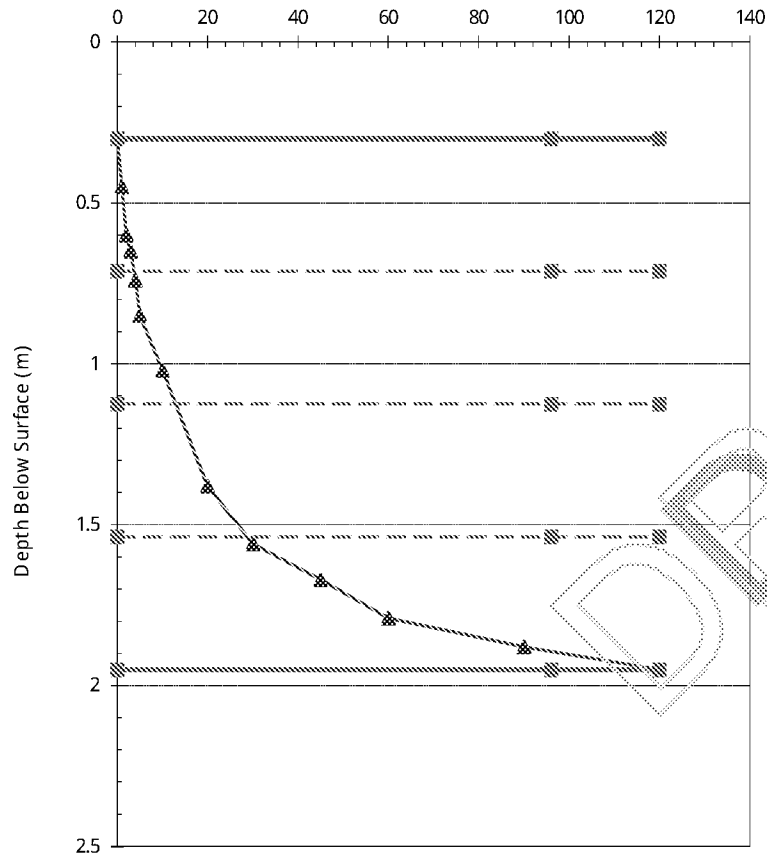
Pit Length (m)	1.7
Pit Width (m)	0.46
Depth to Pit Base (m)	1.95
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.3
Max Water Dropdown during Test (m)	1.36
Total Soakage Test Time (min)	40
Mean Internal Discharge Area (m2)	4.346
Discharge Rate (litre/min)	5.148836
Soakage Rate (litre/m2/min)	1.18473
BRE Soil Infiltration Rate (m/sec)	1.97E-05

Comments:
Pit was nearly emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP321
Test No: Test No 3



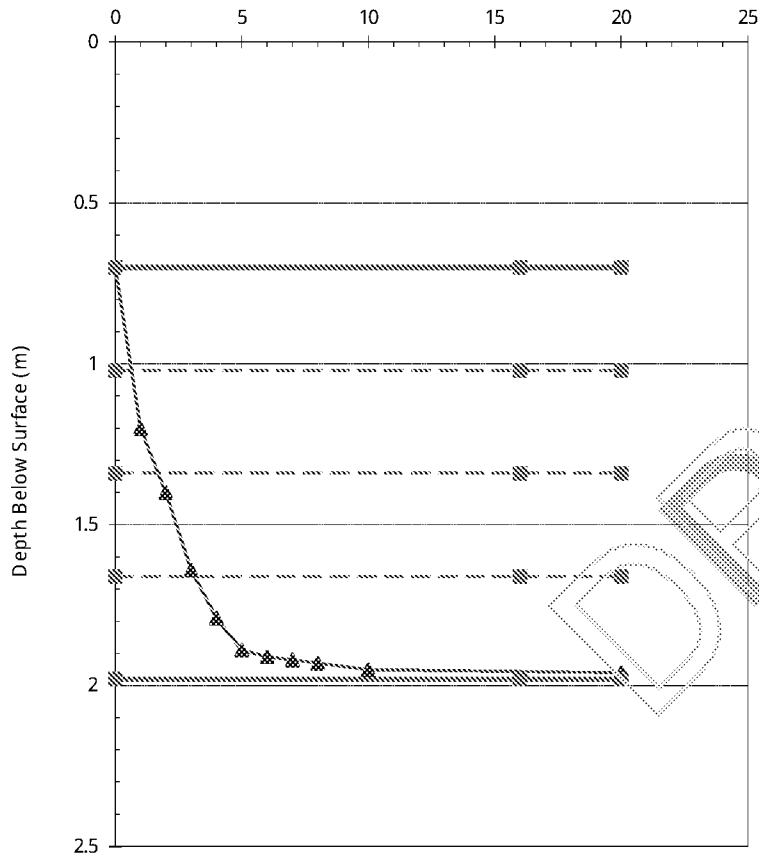
Pit Length (m)	1.7
Pit Width (m)	0.46
Depth to Pit Base (m)	1.95
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.3
Max Water Dropdown during Test (m)	1.65
Total Soakage Test Time (min)	120
Mean Internal Discharge Area (m2)	4.346
Discharge Rate (litre/min)	5.149756
Soakage Rate (litre/m2/min)	1.184942
BRE Soil Infiltration Rate (m/sec)	1.97E-05

Comments:
Pit was emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP322
Test No: Test No 1



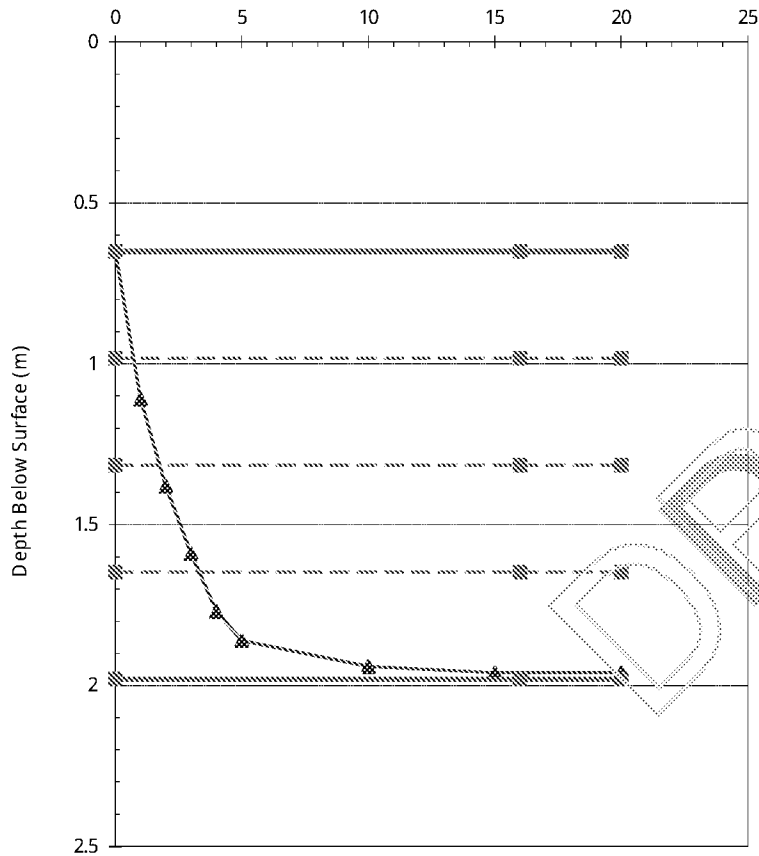
Pit Length (m)	1.72
Pit Width (m)	0.46
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.7
Max Water Dropdown during Test (m)	1.26
Total Soakage Test Time (min)	20
Mean Internal Discharge Area (m2)	3.5816
Discharge Rate (litre/min)	40.61775
Soakage Rate (litre/m2/min)	11.34067
BRE Soil Infiltration Rate (m/sec)	0.000189

Comments:
Pit was nearly emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP322
Test No: Test No 2



Pit Length (m)	1.72
Pit Width (m)	0.46
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.65
Max Water Dropdown during Test (m)	1.31
Total Soakage Test Time (min)	20
Mean Internal Discharge Area (m2)	3.6906
Discharge Rate (litre/min)	40.52563
Soakage Rate (litre/m2/min)	10.98077
BRE Soil Infiltration Rate (m/sec)	0.000183

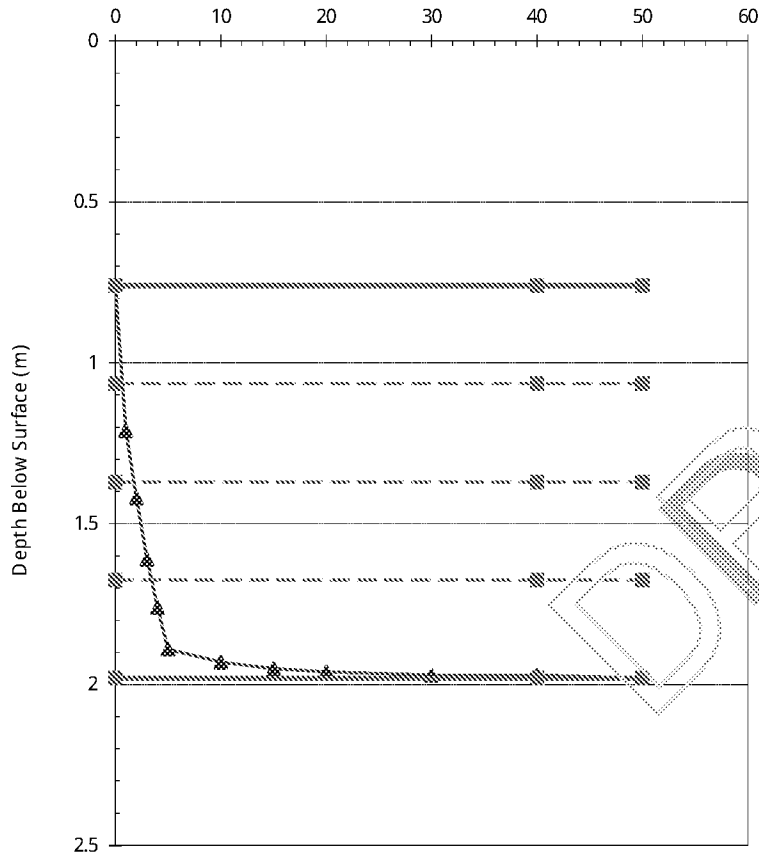
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP322
Test No: Test No 3



Pit Length (m)	1.72
Pit Width (m)	0.46
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.76
Max Water Dropdown during Test (m)	1.22
Total Soakage Test Time (min)	50
Mean Internal Discharge Area (m2)	3.4508
Discharge Rate (litre/min)	35.02974
Soakage Rate (litre/m2/min)	10.15119
BRE Soil Infiltration Rate (m/sec)	0.000169

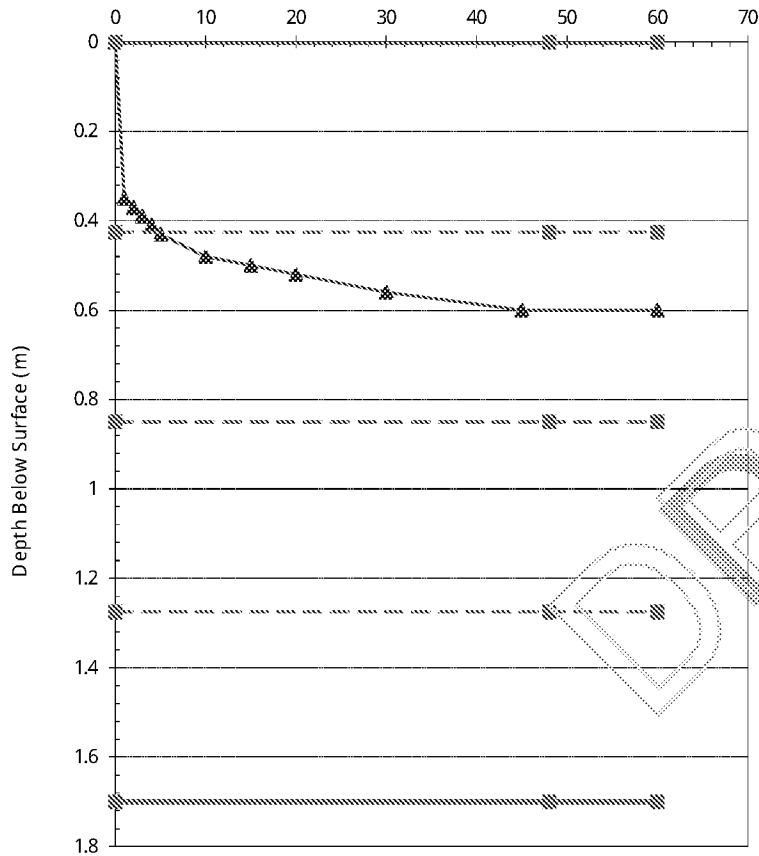
Comments:

Pit was emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP323
Test No: Test No 1



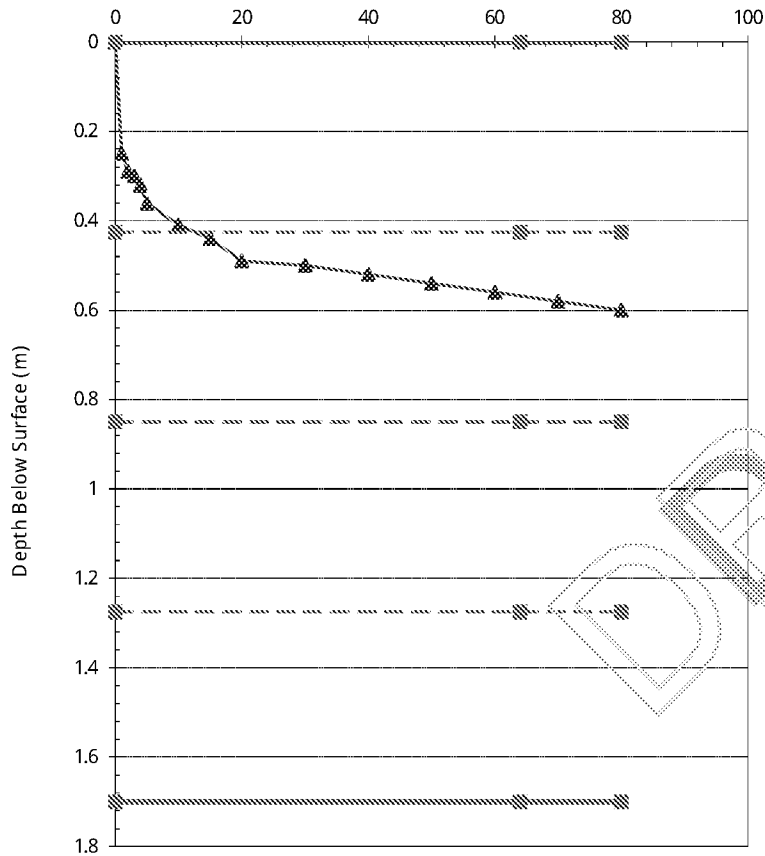
Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.7
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	0.8
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0
Max Water Dropdown during Test (m)	0.6
Total Soakage Test Time (min)	60
Mean Internal Discharge Area (m2)	6.5638
Discharge Rate (litre/min)	4.403538
Soakage Rate (litre/m2/min)	0.670882
BRE Soil Infiltration Rate (m/sec)	1.12E-05

Comments: Water level fell to 75% -- 50% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP323
Test No: Test No 2



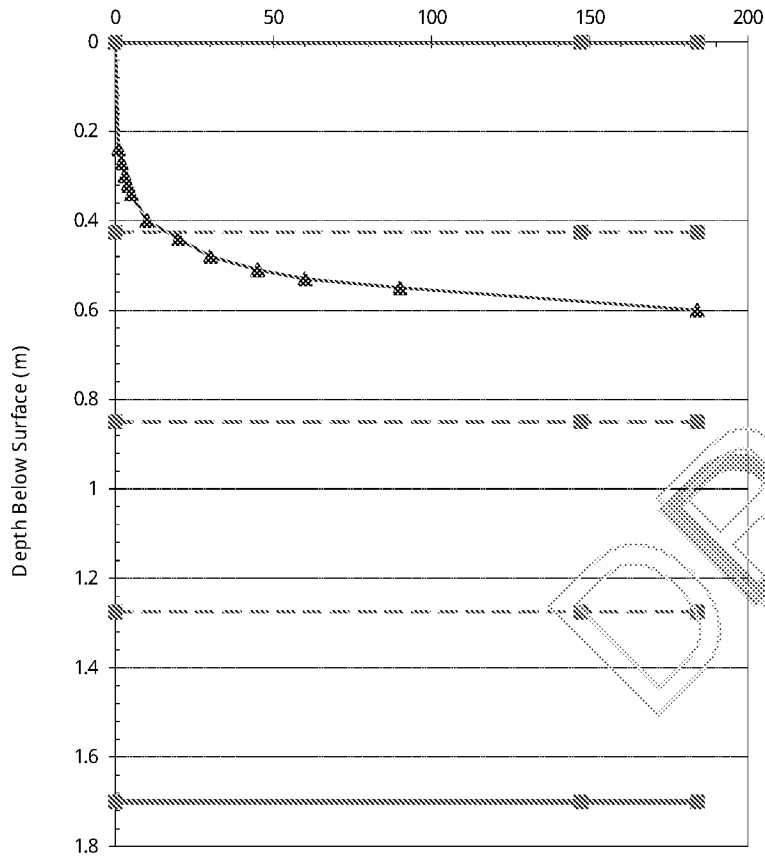
Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.7
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	0.8
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0
Max Water Dropdown during Test (m)	0.6
Total Soakage Test Time (min)	80
Mean Internal Discharge Area (m2)	6.5638
Discharge Rate (litre/min)	3.304242
Soakage Rate (litre/m2/min)	0.503404
BRE Soil Infiltration Rate (m/sec)	8.39E-06

Comments: Water level fell to 75% -- 50% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE 365 requirement since water did not fall to 25% max water depth.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP323
Test No: Test No 3



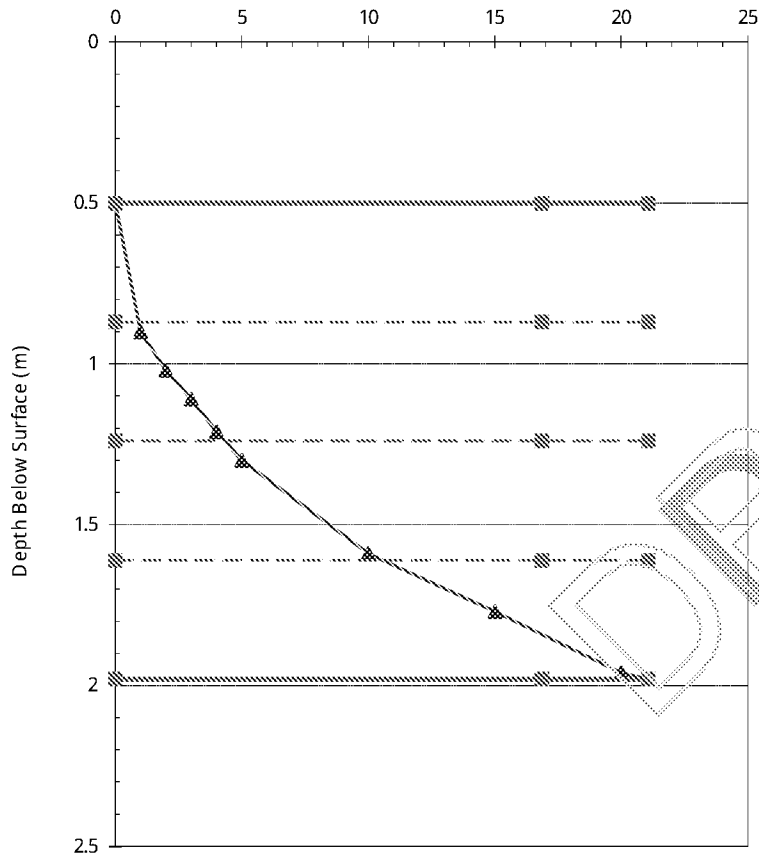
Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.7
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	0.8
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0
Max Water Dropdown during Test (m)	0.6
Total Soakage Test Time (min)	184
Mean Internal Discharge Area (m2)	6.5638
Discharge Rate (litre/min)	1.428732
Soakage Rate (litre/m2/min)	0.217668
BRE Soil Infiltration Rate (m/sec)	3.63E-06

Comments: Water level fell to 75% -- 50% max water depth, calculations were based on actual fall of water level
Result not compliant with BRE365 requirement since water did not fall to 25% max water depth.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 19/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP324
Test No: Test No 1



Pit Length (m)	1.8
Pit Width (m)	0.46
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.48
Total Soakage Test Time (min)	21.07
Mean Internal Discharge Area (m2)	4.1728
Discharge Rate (litre/min)	12.7245
Soakage Rate (litre/m2/min)	3.049391
BRE Soil Infiltration Rate (m/sec)	5.08E-05

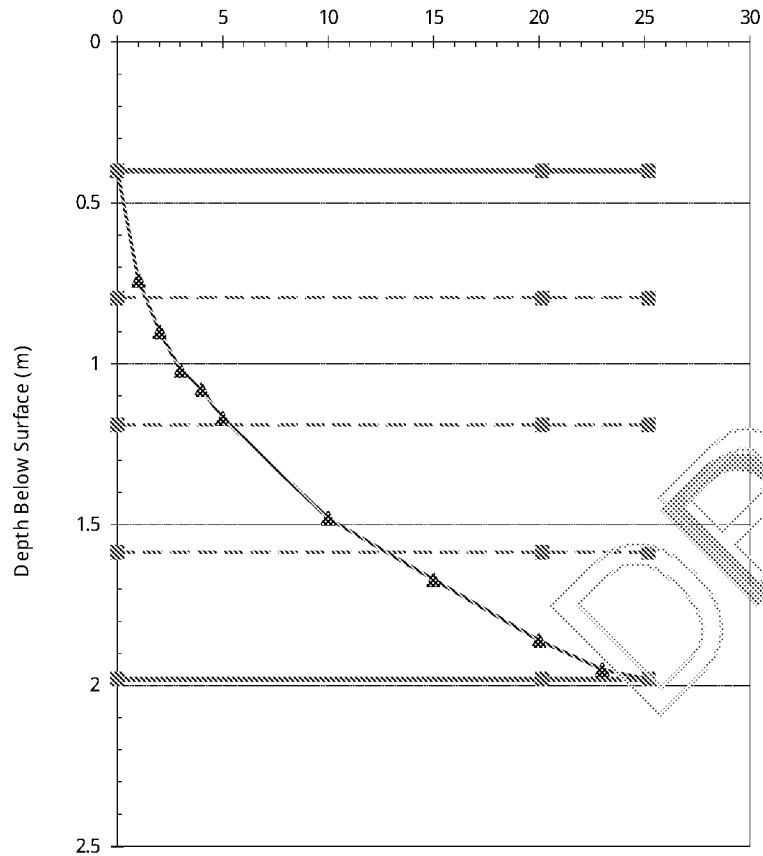
Comments:

Pit was emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 20/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP324
Test No: Test No 2



Pit Length (m)	1.8
Pit Width (m)	0.46
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
Voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.58
Total Soakage Test Time (min)	25.2
Mean Internal Discharge Area (m2)	4.3988
Discharge Rate (litre/min)	11.45629
Soakage Rate (litre/m2/min)	2.604412
BRE Soil Infiltration Rate (m/sec)	4.34E-05

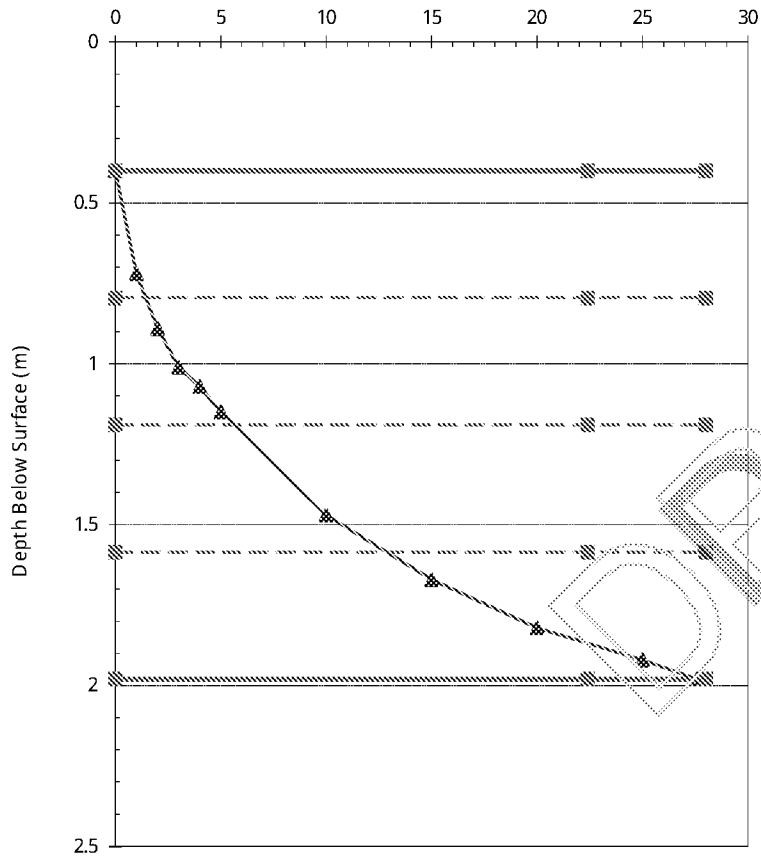
Comments:

Pit was emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 20/03/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP324
Test No: Test No 3



Pit Length (m)	1.8
Pit Width (m)	0.46
Depth to Pit Base (m)	1.98
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.5
voids Assumed for Granular Fill (%)	20%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.58
Total Soakage Test Time (min)	28
Mean Internal Discharge Area (m2)	4.3988
Discharge Rate (litre/min)	11.44184
Soakage Rate (litre/m2/min)	2.601128
BRE Soil Infiltration Rate (m/sec)	4.34E-05

Comments:

Pit was emptied at finish of test.

Client: Dandara Homes
Site: Fontwell
Tested By: MN
Test Date: 20/03/19



Results of BRE Digest 365 Soakage Tests

Site :
 Client :
 O S Reference :

Tested By :
 Test Date : 25/03/2019

Hole Number	Test Number	Hole Depth m	Test Soakage Rate litre/m2/min	Design Soakage Rate litre/m2/min	Design Soakage Rate m/sec	End Water Level	Remarks
TP309	No 1	2	9.33	8.73	0.000145444	Empty pit.	
TP309	No 2	2	8.73			Empty pit.	
TP309	No 3	2	8.99			Empty pit.	
TP310	No 1	1.72	3.42	3.27	4.258E-05	Nearly empty pit.	Depth to existing ground water level was 1.92m.
TP310	No 2	1.72	3.27			Nearly empty pit.	Depth to existing ground water level was 1.92m.
TP310	No 3	1.72	2.55			Nearly empty pit.	Depth to existing ground water level was 1.92m.
TP307	No 1	1.99	9.54	6.81	0.00011343	Empty pit.	
TP307	No 2	1.99	6.81			Empty pit.	

TP 307	No 3	1.99	6.89		Empty pit.	
TP 308	No 1	2	2.46	2.46 3.73983E-05	Empty pit.	
TP 308	No 2	2	2.57		Empty pit.	
TP 308	No 3	2	2.24		Empty pit.	
TP 306	No 1	1.16	17.51	17.51 0.000291899	Empty pit.	
TP 306	No 2	1.16	21.86		Empty pit.	
TP 306	No 3	1.16	20.08		Empty pit.	
TP 305	No 1	1.97	0.08	0.08 1.27412E-06	Pit was not empty	Depth to existing ground water level was 1.56m.
TP 305	No 2	1.97	0.08		Pit was not empty	Depth to existing ground water level was 1.56m.
TP 305	No 3	1.97	0.08		Pit was not empty	Depth to existing ground water level was 1.56m.
TP 303	No 1	1.95	0.60	0.60 9.33319E-06	Nearly empty pit.	

TP303	No 2	1.95			Pit was not empty	
TP303	No 3	1.95	0.56		Nearly empty pit.	
TP304	No 1	2	0.59	0.59 9.78155E-06	Nearly empty pit.	
TP304	No 2	2	0.60		Nearly empty pit.	
TP304	No 3	2	0.63		Empty pit.	
TP302	No 1	2	0.14	0.14 1.97289E-06	Nearly empty pit.	Depth to existing ground water level was 1.9m.
TP302	No 2	2	0.18		Pit was not empty	Depth to existing ground water level was 1.9m.
TP302	No 3	2	0.12		Pit was not empty	Depth to existing ground water level was 1.9m.
TP311	No 1	2	4.15	3.59 4.04364E-06	Empty pit.	
TP311	No 2	2	3.59		Empty pit.	
TP311	No 3	2	0.24		Pit was not empty	

Mean Value of All Calculated Soakage Rates :	4.38 litre/m2/min 6.57156E -05 m/sec	
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Results of BRE Digest 365 Soakage Tests

Site :
Client :
O S Reference :

Tested By :
Test Date : 25/03/2019

Hole Number	Test Number	Hole Depth m	Test Soakage Rate litre/m ² /min	Design Soakage Rate litre/m ² /min m/sec	End Water Level	Remarks
TP301	No 1	2	1.77	1.77 2.94838E-05	Pit was not empty	Depth to existing ground water level was 1.46m.
TP301	No 2	2	2.04		Pit was not empty	Depth to existing ground water level was 1.46m.
TP301	No 3	2	4.80		Empty pit.	Depth to existing ground water level was 1.46m.
TP312	No 1	2	2.33	2.26 3.73508E-05	Empty pit.	
TP312	No 2	2	2.26		Empty pit.	
TP312	No 3	2	2.24		Empty pit.	
TP317	No 1	1.99	3.43	2.83 4.59112E-05	Empty pit.	
TP317	No 2	1.99	2.83		Empty pit.	

TP317	No 3	1.99	2.75		Empty pit.	
TP318	No 1	1.98	2.28	2.28 3.79234E-05	Nearly empty pit.	
TP318	No 2	1.98	2.57		Nearly empty pit.	
TP318	No 3	1.98	2.36		Empty pit.	
TP319	No 1	1.92	0.08	0.08 1.33756E-06	Pit was not empty	
TP319	No 2	1.92	0.10		Nearly empty pit.	
TP319	No 3	1.92	0.09		Nearly empty pit.	
TP320	No 1	1.98	2.17	1.62 2.76097E-05	Nearly empty pit.	
TP320	No 2	1.98	1.62		Empty pit.	
TP320	No 3	1.98	1.98		Nearly empty pit.	
TP313	No 1	1.97	3.08	2.68 4.46595E-05	Empty pit.	
TP313	No 2	1.97	2.68		Empty pit.	

TP313	No 3	1.97	3.10		Empty pit.	
TP314	No 1	1.98	2.06	2.06 3.43937E-05	Empty pit.	
TP314	No 2	1.98	2.18		Nearly empty pit.	
TP314	No 3	1.98	2.49		Empty pit.	
TP315	No 1	1.97	4.89	4.89 7.63338E-05	Empty pit.	
TP315	No 2	1.97	5.11		Empty pit.	
TP315	No 3	1.97	4.58		Empty pit.	
TP316	No 1	1.99	2.41	2.13 3.54511E-05	Nearly empty pit.	Depth to existing ground water level was 1.81m.
TP316	No 2	1.99	2.13		Nearly empty pit.	Depth to existing ground water level was 1.81m.
TP316	No 3	1.99	2.27		Nearly empty pit.	Depth to existing ground water level was 1.81m.
Mean Value of All Calculated Soakage Rates :				2.26 litre/m2/min 3.699E-05 m/sec		



Results of BRE Digest 365 Soakage Tests

Site : Fontwell
Client : Dandara Homes
O S Reference

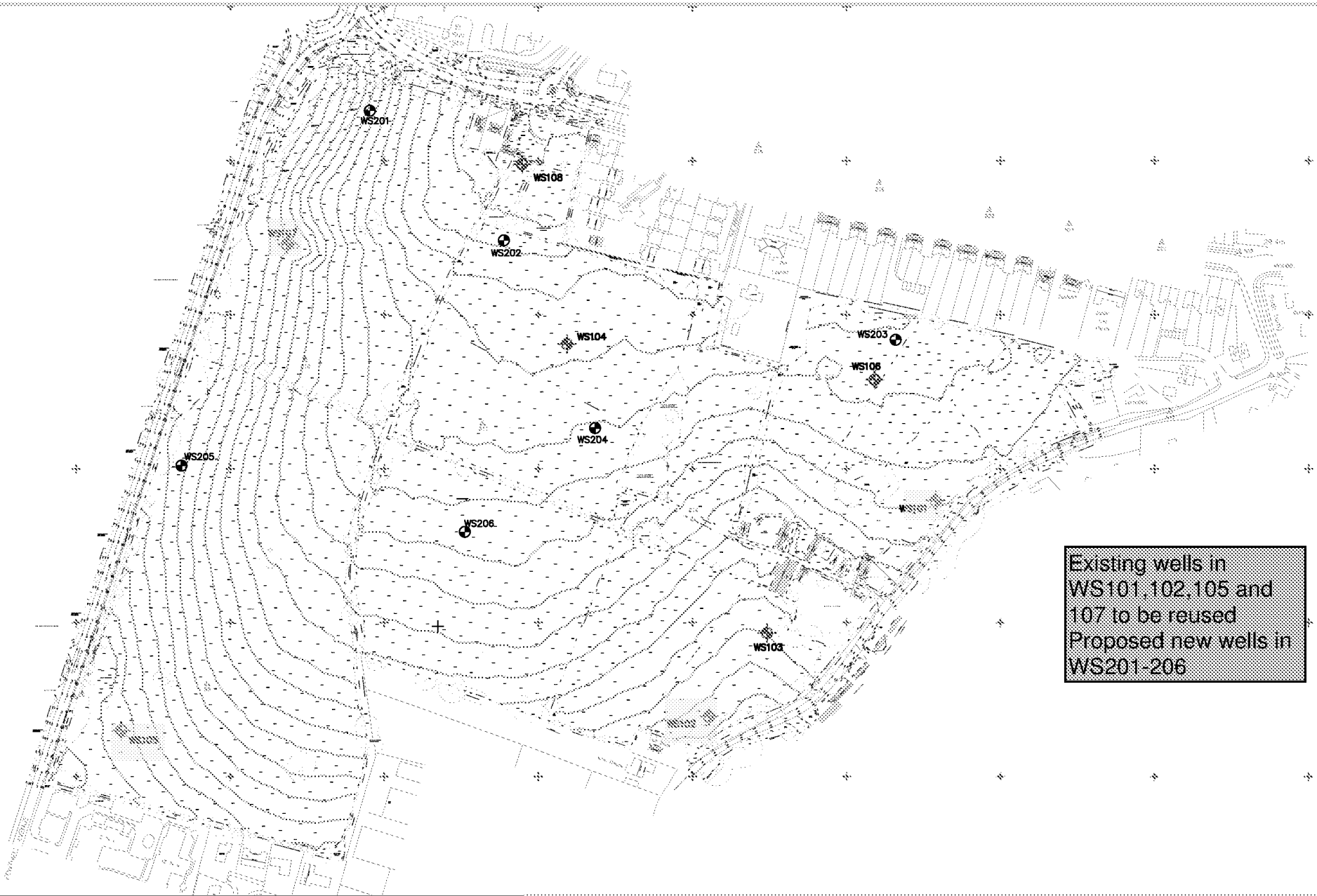
Tested By : MN
Test Date : 25/03/2019

Hole Number	Test Number	Hole Depth m	Test Soakage Rate litre/m2/min	Design Soakage Rate litre/m2/min m/sec	End Water Level	Remarks
TP321	No 1	1.95	1.25	1.18 1.97455E-05	Nearly empty pit.	
TP321	No 2	1.95	1.18		Nearly empty pit.	
TP321	No 3	1.95	1.18		Empty pit.	
TP322	No 1	1.98	11.34	10.38 0.000169187	Nearly empty pit.	
TP322	No 2	1.98	10.98		Nearly empty pit.	
TP322	No 3	1.98	10.15		Empty pit.	
TP323	No 1	1.7	0.67	0.50 3.62781E-06	Pit was not empty	Depth to existing ground water level was 0.8m.
TP323	No 2	1.7	0.50		Pit was not empty	Depth to existing ground water level was 0.8m.

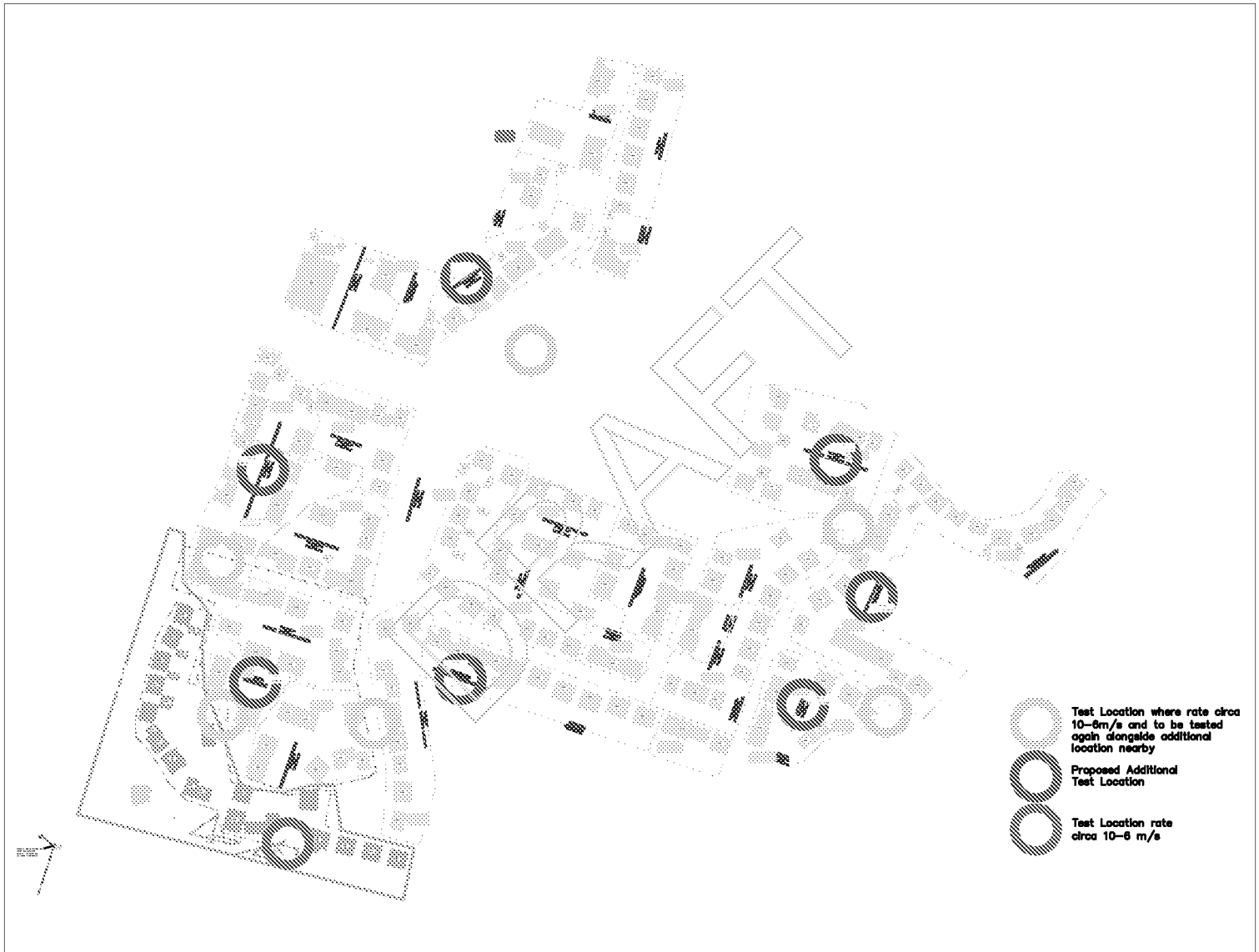
TP323	No 3	1.7	0.22		Pit was not empty	Depth to existing ground water level was 0.8m.
TP324	No 1	1.98	3.05	2.60 4.33521E-05	Empty pit.	
TP324	No 2	1.98	2.60		Empty pit.	
TP324	No 3	1.98	2.60		Empty pit.	
Mean Value of All Calculated Soakage Rates :				3.82 litre/m2/min 5.898E-05 m/sec		

DRAFT

Fontwell Groundwater Level (mbgl)																	
Well depth		Well No.	Elevation	19/12/2018	19/12/2018	04/01/2019	04/01/2019	16/01/2019	16/01/2019	31/01/2019	31/01/2019	15/02/2019	15/02/2019	04/03/2019	04/03/2019	20/03/2019	20/03/2019
mbgl	mAOD		mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD	mbgl	mAOD
	24.2	WS102	24.2							1.29	22.91	1.01	23.19	0.67	23.53	0.98	23.22
	21.7	WS105	21.7	0.88	20.82	1.39	20.31	1.55	20.15	1.5	20.2	1.2	20.5	1.25	20.45	1.36	20.34
4	23.7	WS201	27.7	3.6	24.1							3.8	23.9				
4	26.65	WS202	30.65										30.65				
4	25.4	WS203	29.4	3.75	25.65	3.25	26.15	3.33	26.07	3.38	26.02	3.05	26.35	2.8	26.6	3.17	26.23
4	24.9	WS204	28.9	3.7	25.2	3.76	25.14					3.92	24.98			3.9	25
3	20.8	WS205	23.8	0.95	22.85	1.45	22.35	1.6	22.2	1.8	22	1.4	22.4	1.6	22.2	1.56	22.24
4	24.15	WS206	28.15	3.5	24.65	3.76	24.39					3.72	24.43			4.02	24.13
4	21.5	WS207	25.5	2.15	23.35	2.89	22.61	3.34	22.16			2.74	22.76	3.45	22.05	3.2	22.3
4	22.8	WS208	26.8	2.13	24.67	2.5	24.3	3.15	23.65	3.6	23.2	2.45	24.35	3.13	23.67	1.83	24.97
4	19.5	WS209	23.5	0.89	22.61	1.22	22.28	2.05	21.45	1.5	22	1.21	22.29	1.97	21.53	2.9	20.6



Client	Dandara Properties Ltd	Date	26/11/18	Project Ref.	LPI 649
Project	Northfield Cottages, Fontwell	Scale at A4	NTS	Fig No.	2
Title	Proposed Shallow Groundwater Monitoring Well Locations				





Client:	Dandara Homes	Date:	10/07/19	Project ID:	LP1981
	Project: Fontwell Avenue, Fontwell.		Title: Proposed Development		Fig. No. I

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP401 Sheet 1 of 1	
Project Name: Fontwell Shallow Soaks				Project No. LP1981		Co-ords: - Level:		Date 01/07/2019	
Location: Fontwell Avenue, Fontwell						Dimensions (m):		Scale 1:25	
Client: Dandara Homes						Depth 2.00		Logged ADC	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25			Light greyish brown slightly gravelly silty TOPSOIL with abundant rootlets.
				2.00			Medium dense - dense greyish brown slightly clayey silty GRAVEL. Gravel is fine to coarse, sub-angular to sub-rounded flint with occasional cobbles. Becomes orange-brown with depth.
DRAFT End of pit at 2.00 m							

Remarks: End of trial pit. Trial pit remained dry and stable	
Stability:	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log			Trialpit No TP402 Sheet 1 of 1	
Project Name: Fontwell Shallow Soaks				Project No. LP1981	Co-ords: - Level:		Date 01/07/2019	
Location: Fontwell Avenue, Fontwell					Dimensions (m): Depth 1.95		Scale 1:25	
Client: Dandara Homes					Logged ADC			

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Light greyish silty TOPSOIL with occasional gravel of fine to coarse flint.	
				0.90			Medium dense reddish brown clayey GRAVEL. Gravel is fine to coarse, sub-angular to sub-rounded flint.	
				1.60			Firm becoming stiff dark orangish brown slightly gravelly slightly silty CLAY. Gravel of fine - medium sub-angular flint. <i>Hand Pen at 1 m = 230 kPa</i>	1
				1.95			Stiff off-white, mottled pale yellow slightly sandy clayey SILT (Chalk Head)	
							End of pit at 1.95 m	2
								3
								4
								5

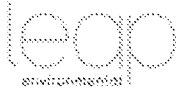
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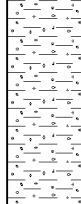
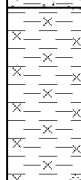
Remarks: End of trial pit. Trial pit remained dry and stable	
Stability:	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP404 Sheet 1 of 1							
Project Name: Fontwell Shallow Soaks		Project No. LP1981		Co-ords: - Level:		Date 01/07/2019	
Location: Fontwell Avenue, Fontwell				Dimensions (m): Depth 2.00 0.55		Scale 1:25 Logged ADC	
Client: Dandara Homes							

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30			Light brown slightly gravelly slightly clayey TOPSOIL. Gravel is fine to medium flint. Contains frequent rootlets
				0.65			Light orangish brown slightly gravelly clayey silty SUBSOIL. Gravel is fine to medium flint. <i>Roots to 0.3m</i>
				1.70			Medium dense dark orangish brown slightly silty gravelly CLAY. Gravel is fine to coarse, angular to sub-rounded flint with occasional cobbles .
				2.00			Off white mottled light yellow clayey SILT with pockets of dark brown clay (Chalk Head).
							End of pit at 2.00 m

Remarks: End of trial pit. Trial pit remained dry and stable	
Stability:	

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log			Trialpit No TP406 Sheet 1 of 1		
Project Name: Fontwell Shallow Soaks				Project No. LP1981		Co-ords: - Level:		Date 02/07/2019	
Location: Fontwell Avenue, Fontwell				Dimensions (m): Depth 2.00 1.83				Scale 1:25 Logged ADC	
Client: Dandara Homes									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			Light grey clayey silty TOPSOIL	
							Medium dense orangish brown gravelly CLAY. Gravel is fine to medium, angular to sub-angular flint.	
				0.90			Firm to stiff yellowish grey mottled pale brown slightly gravelly slightly silty CLAY. Gravel is fine sub-rounded flint	1
							Hand Pen at 1.5 m = 160 kPa	
							Hand Pen at 1.8 m = 160 kPa	
				2.00			End of pit at 2.00 m	2
								3
								4
								5

DRAFT

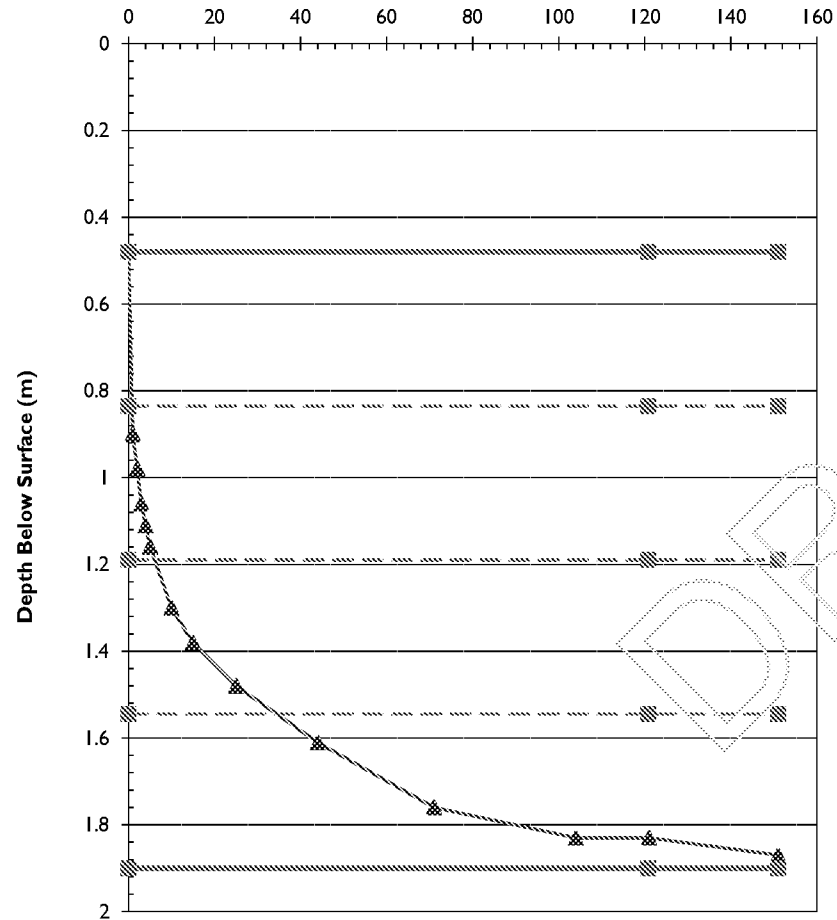
Remarks: End of trial pit. Trial pit remained dry and stable	
Stability:	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA Trial Pit Log Trialpit No TP407 Sheet 1 of 1							
Project Name: Fontwell Shallow Soaks		Project No. LP1981		Co-ords: - Level:		Date 02/07/2019	
Location: Fontwell Avenue, Fontwell				Dimensions (m): Depth		Scale 1:25 Logged ADC	
Client: Dandara Homes				1.8 0.53			
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.25			Light brown clayey silty TOPSOIL
				0.60			Light brownish grey gravelly silty clay SUBSOIL. Gravel is fine to coarse, angular to sub-angular flint.
				1.68			Medium dense orangish brown slightly silty clayey GRAVEL. Gravel is fine to coarse with occasional cobbles of sub-angular to sub-rounded flint.
				1.97			Firm off white mottled pale orange slightly gravelly clayey SILT with pockets of silty clay. Gravel of rare fine to medium flint. (Chalk Head)
							Hand Pen at 1.7 m = 220 kPa End of pit at 1.97 m
Remarks: End of trial pit. Trial pit remained dry and stable							
Stability:							



BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP303
Test No: Test No 1



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.9
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.48
Max Water Dropdown during Test (m)	1.39
Total Soakage Test Time (min)	151
Mean Internal Discharge Area (m2)	3.956
Discharge Rate (litre/min)	6.0384709
Soakage Rate (litre/m2/min)	1.5264082
BRE Soil Infiltration Rate (m/sec)	2.544E-05

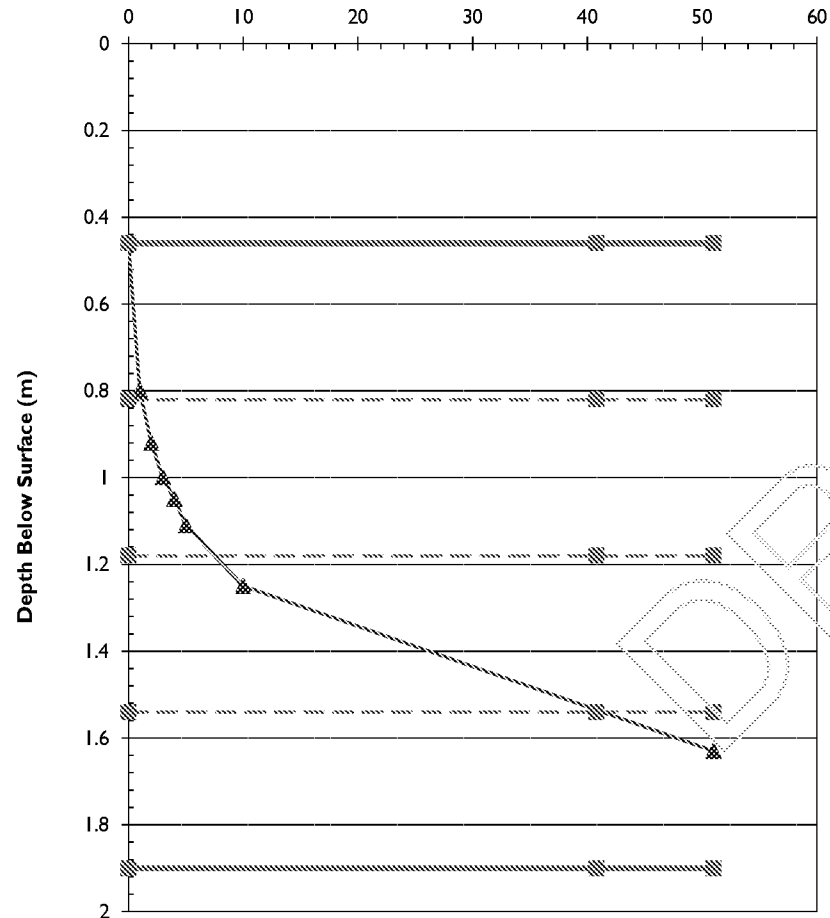
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 04/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP303
Test No: Test No 2



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.9
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.46
Max Water Dropdown during Test (m)	1.17
Total Soakage Test Time (min)	51
Mean Internal Discharge Area (m2)	4.0002
Discharge Rate (litre/min)	5.1363704
Soakage Rate (litre/m2/min)	1.2840284
BRE Soil Infiltration Rate (m/sec)	2.14E-05

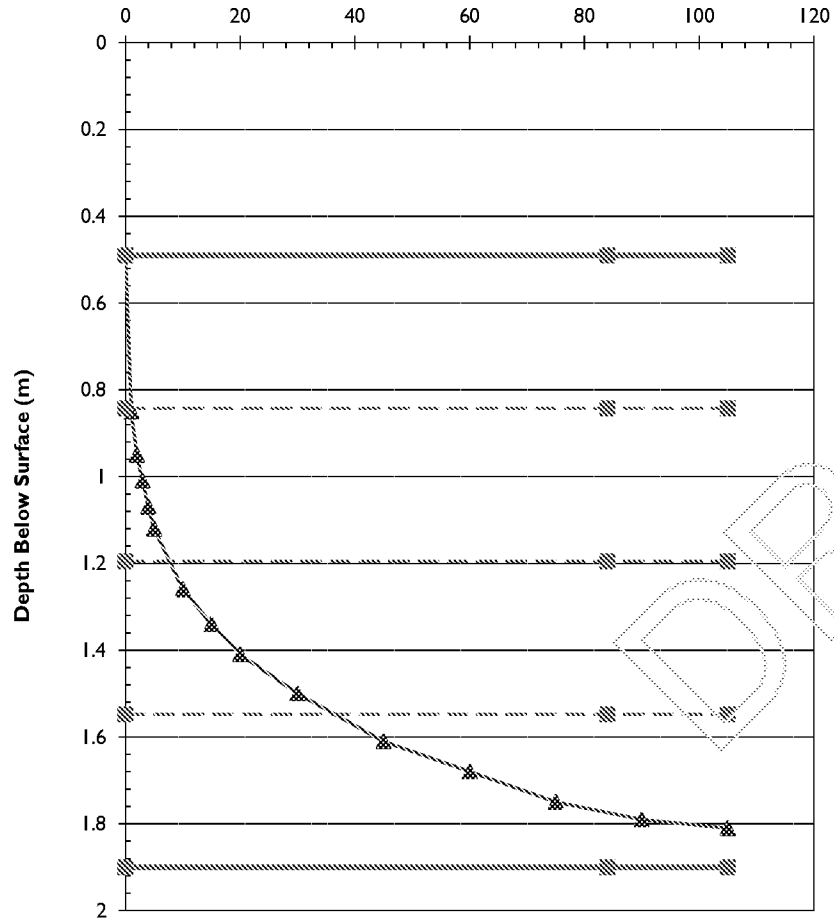
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 04/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP303
Test No: Test No 3



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.9
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.49
Max Water Dropdown during Test (m)	1.32
Total Soakage Test Time (min)	105
Mean Internal Discharge Area (m2)	3.9339
Discharge Rate (litre/min)	5.6845892
Soakage Rate (litre/m2/min)	1.4450264
BRE Soil Infiltration Rate (m/sec)	2.408E-05

Comments:

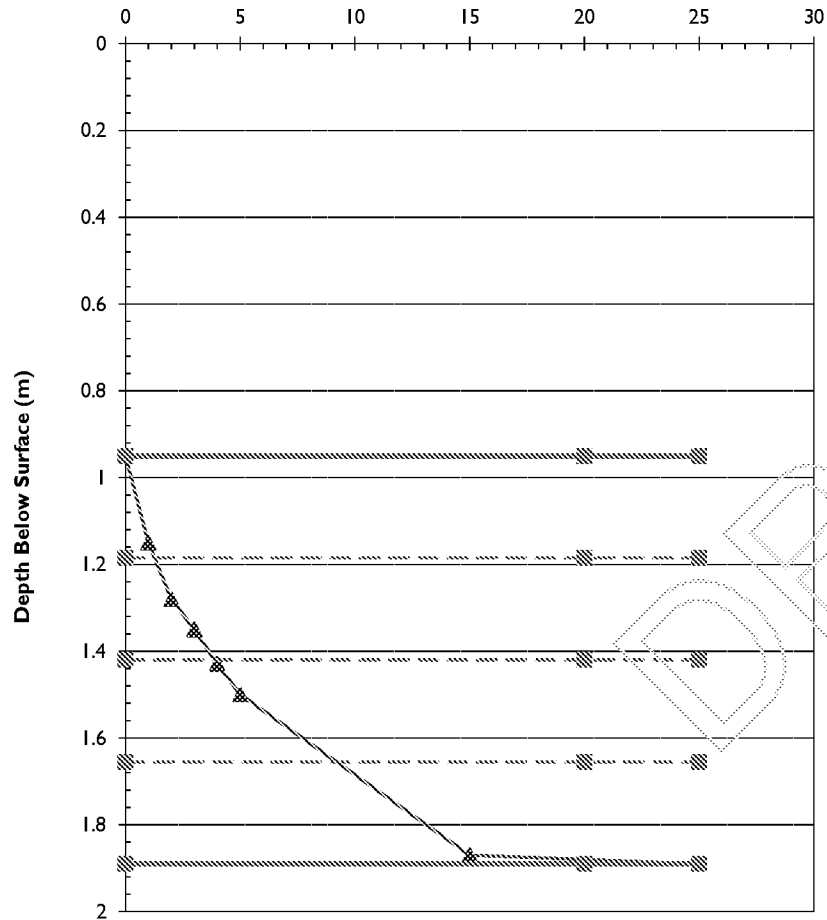
Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 04/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)

initial)



Test Hole No: TP304
Test No: Test No 1

Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	1.89
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.95
Max Water Dropdown during Test (m)	0.94
Total Soakage Test Time (min)	25
Mean Internal Discharge Area (m2)	3.008
Discharge Rate (litre/min)	17.766924
Soakage Rate (litre/m2/min)	5.9065572
BRE Soil Infiltration Rate (m/sec)	9.844E-05

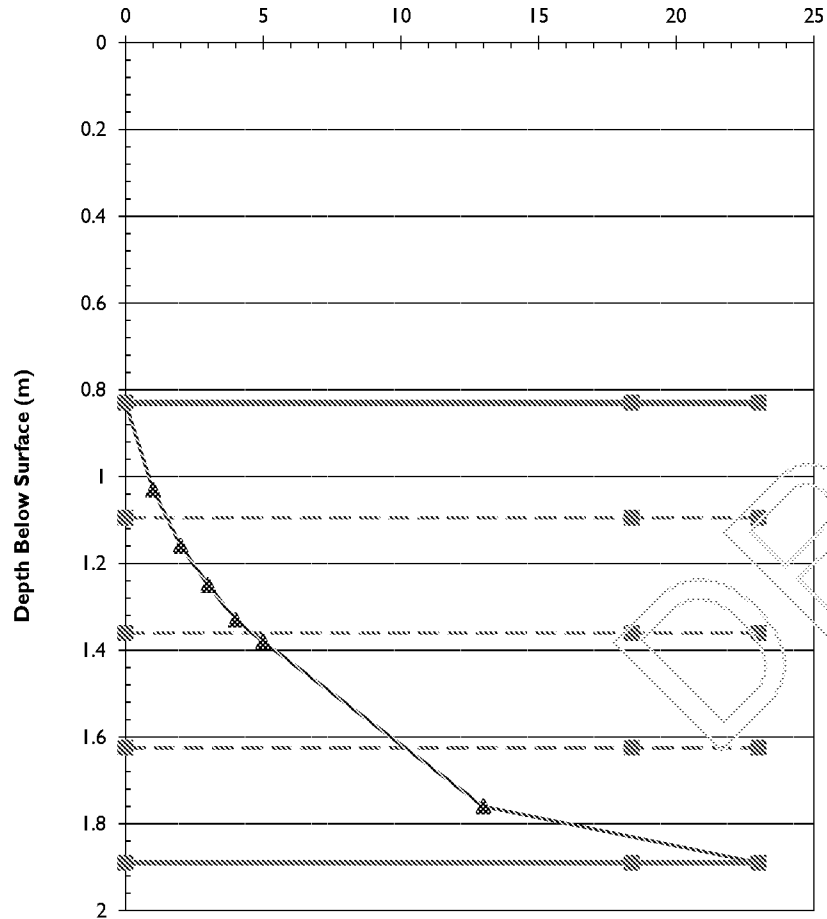
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 04/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP304
Test No: Test No 2



Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	1.89
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.83
Max Water Dropdown during Test (m)	1.06
Total Soakage Test Time (min)	23
Mean Internal Discharge Area (m2)	3.2828
Discharge Rate (litre/min)	18.3274
Soakage Rate (litre/m2/min)	5.5828561
BRE Soil Infiltration Rate (m/sec)	9.305E-05

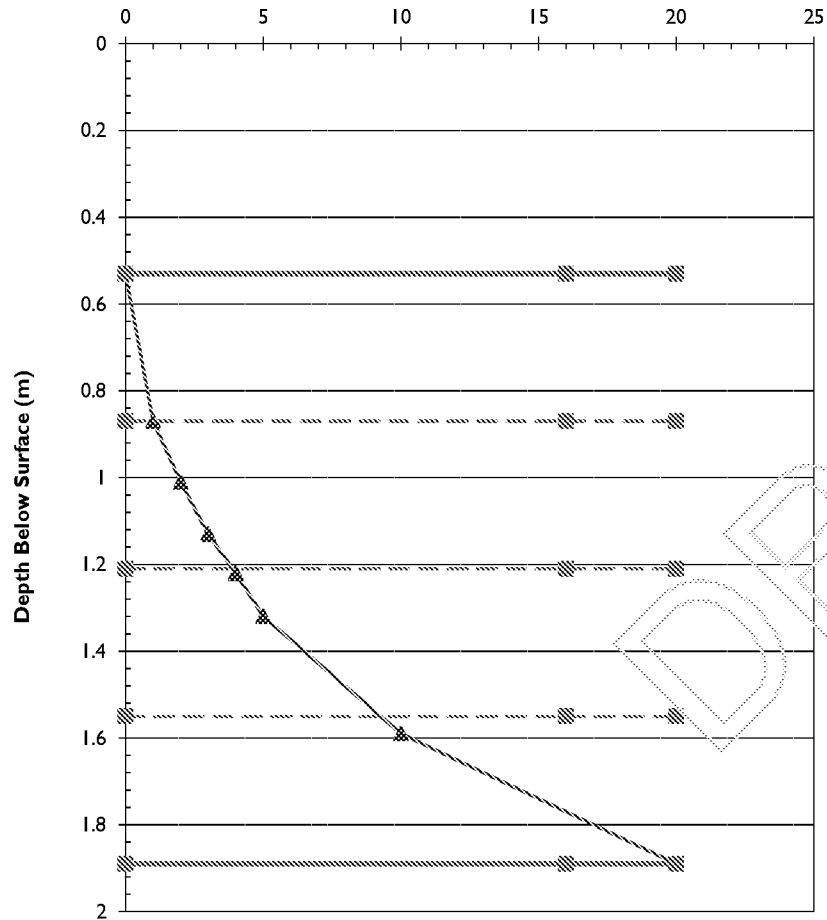
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 04/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP304
Test No: Test No 3



Pit Length (m)	1.82
Pit Width (m)	0.47
Depth to Pit Base (m)	1.89
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.53
Max Water Dropdown during Test (m)	1.36
Total Soakage Test Time (min)	20
Mean Internal Discharge Area (m2)	3.9698
Discharge Rate (litre/min)	24.649329
Soakage Rate (litre/m2/min)	6.2092118
BRE Soil Infiltration Rate (m/sec)	0.0001035

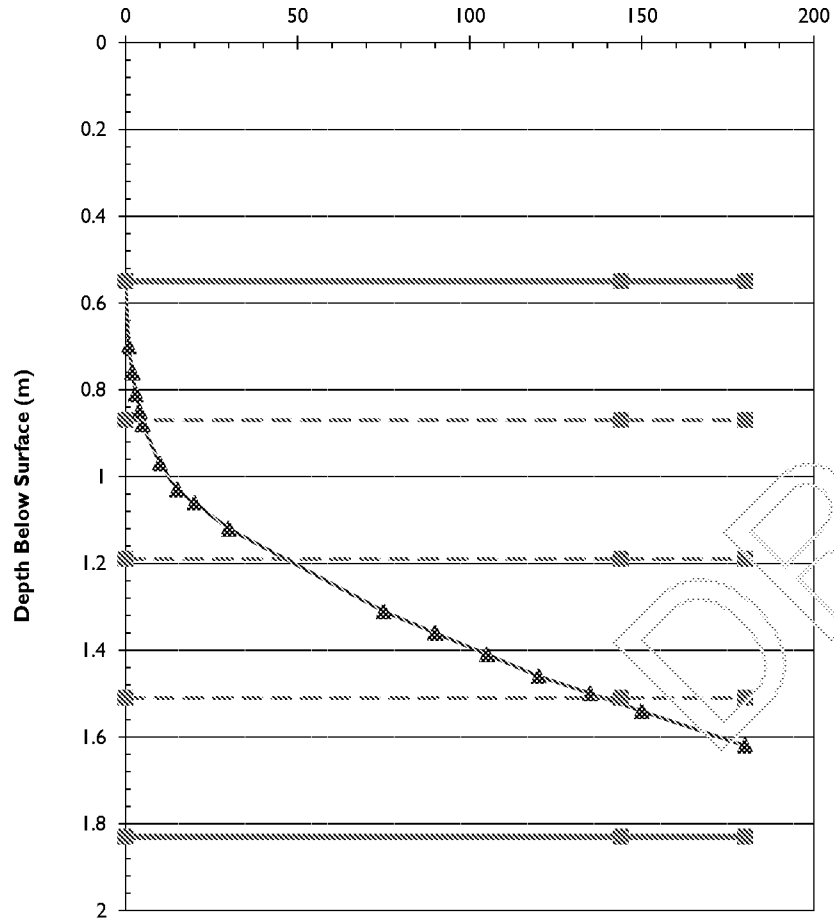
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 04/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP305
Test No: Test No 1



Pit Length (m)	1.66
Pit Width (m)	0.46
Depth to Pit Base (m)	1.83
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.55
Max Water Dropdown during Test (m)	1.07
Total Soakage Test Time (min)	180
Mean Internal Discharge Area (m2)	3.4772
Discharge Rate (litre/min)	1.2756723
Soakage Rate (litre/m2/min)	0.3668677
BRE Soil Infiltration Rate (m/sec)	6.114E-06

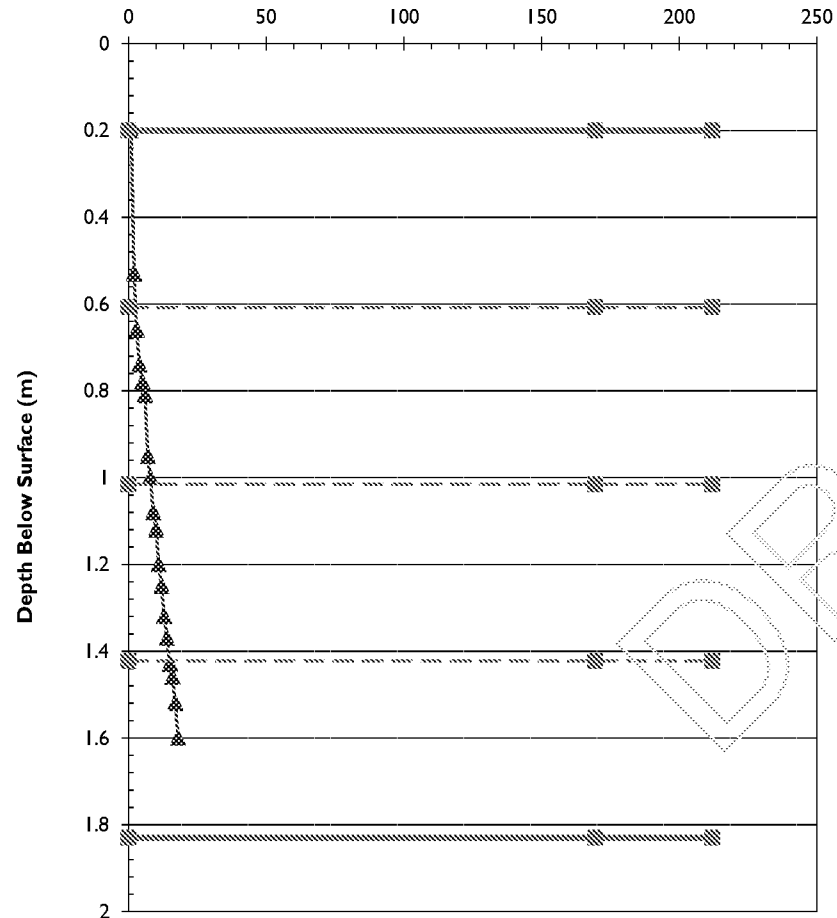
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 01/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP305
Test No: Test No 2



Pit Length (m)	1.66
Pit Width (m)	0.46
Depth to Pit Base (m)	1.83
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.2
Max Water Dropdown during Test (m)	1.52
Total Soakage Test Time (min)	212
Mean Internal Discharge Area (m2)	4.2192
Discharge Rate (litre/min)	2.1453696
Soakage Rate (litre/m2/min)	0.5084778
BRE Soil Infiltration Rate (m/sec)	8.475E-06

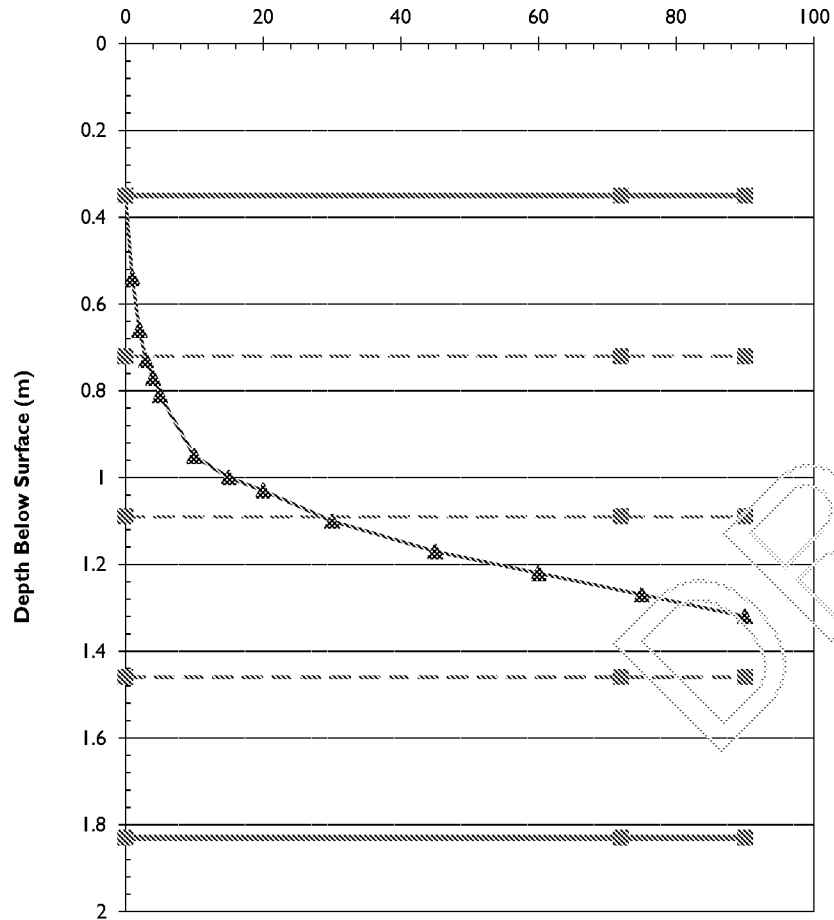
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 02/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP305
Test No: Test No 3



Pit Length (m)	1.66
Pit Width (m)	0.46
Depth to Pit Base (m)	1.83
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.35
Max Water Dropdown during Test (m)	0.97
Total Soakage Test Time (min)	90
Mean Internal Discharge Area (m2)	4.198
Discharge Rate (litre/min)	1.8401508
Soakage Rate (litre/m2/min)	0.4383399
BRE Soil Infiltration Rate (m/sec)	7.306E-06

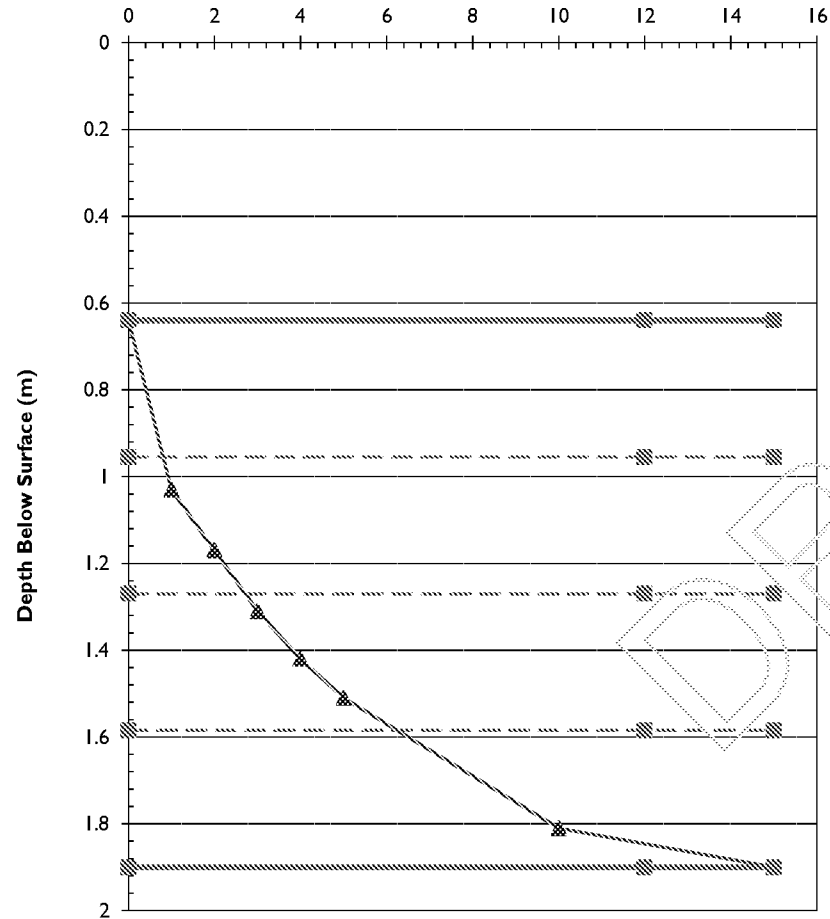
Comments:

Water level fell to 50% -- 25% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 02/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP311
Test No: Test No 1



Pit Length (m)	1.77
Pit Width (m)	0.48
Depth to Pit Base (m)	1.9
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.64
Max Water Dropdown during Test (m)	1.26
Total Soakage Test Time (min)	15
Mean Internal Discharge Area (m2)	3.6846
Discharge Rate (litre/min)	98.349456
Soakage Rate (litre/m2/min)	26.692031
BRE Soil Infiltration Rate (m/sec)	0.0004449

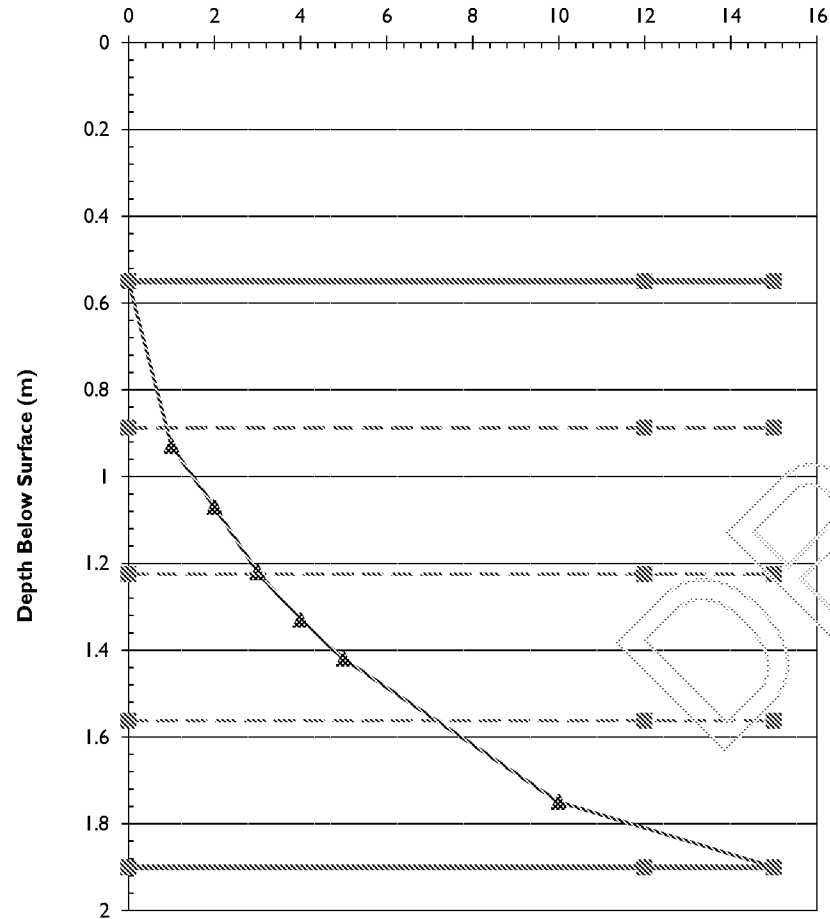
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP311
Test No: Test No 2



Pit Length (m)	1.77
Pit Width (m)	0.48
Depth to Pit Base (m)	1.9
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.55
Max Water Dropdown during Test (m)	1.35
Total Soakage Test Time (min)	15
Mean Internal Discharge Area (m2)	3.8871
Discharge Rate (litre/min)	91.450506
Soakage Rate (litre/m2/min)	23.526667
BRE Soil Infiltration Rate (m/sec)	0.0003921

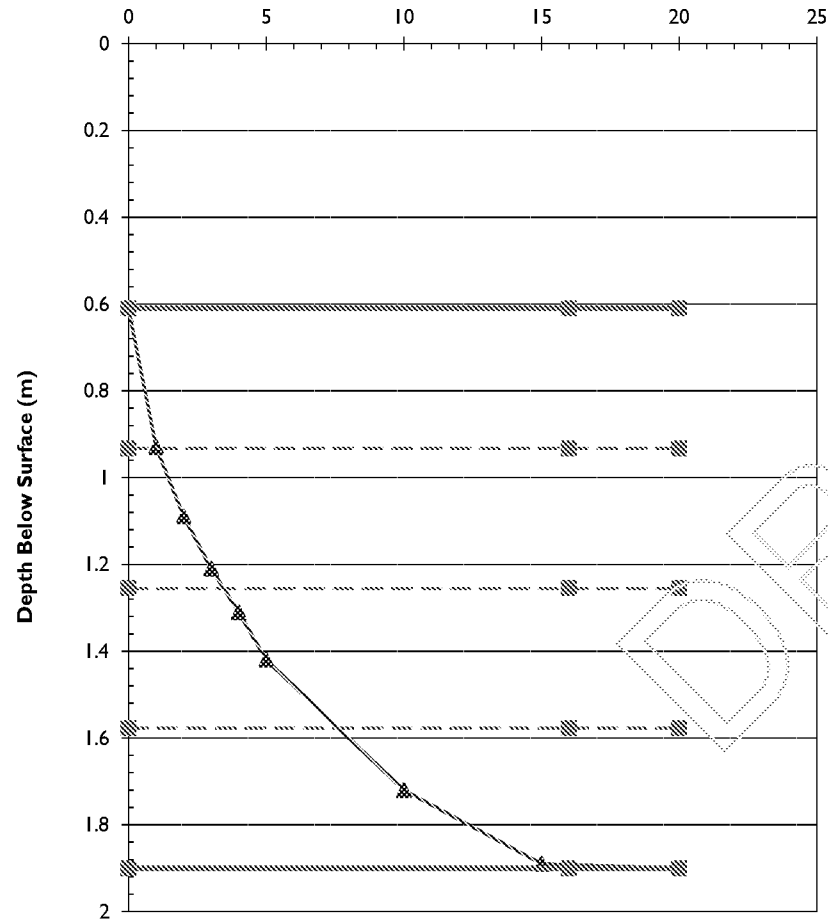
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP311
Test No: Test No 3



Pit Length (m)	1.77
Pit Width (m)	0.48
Depth to Pit Base (m)	1.9
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.61
Max Water Dropdown during Test (m)	1.29
Total Soakage Test Time (min)	20
Mean Internal Discharge Area (m2)	3.7521
Discharge Rate (litre/min)	82.911319
Soakage Rate (litre/m2/min)	22.097311
BRE Soil Infiltration Rate (m/sec)	0.0003683

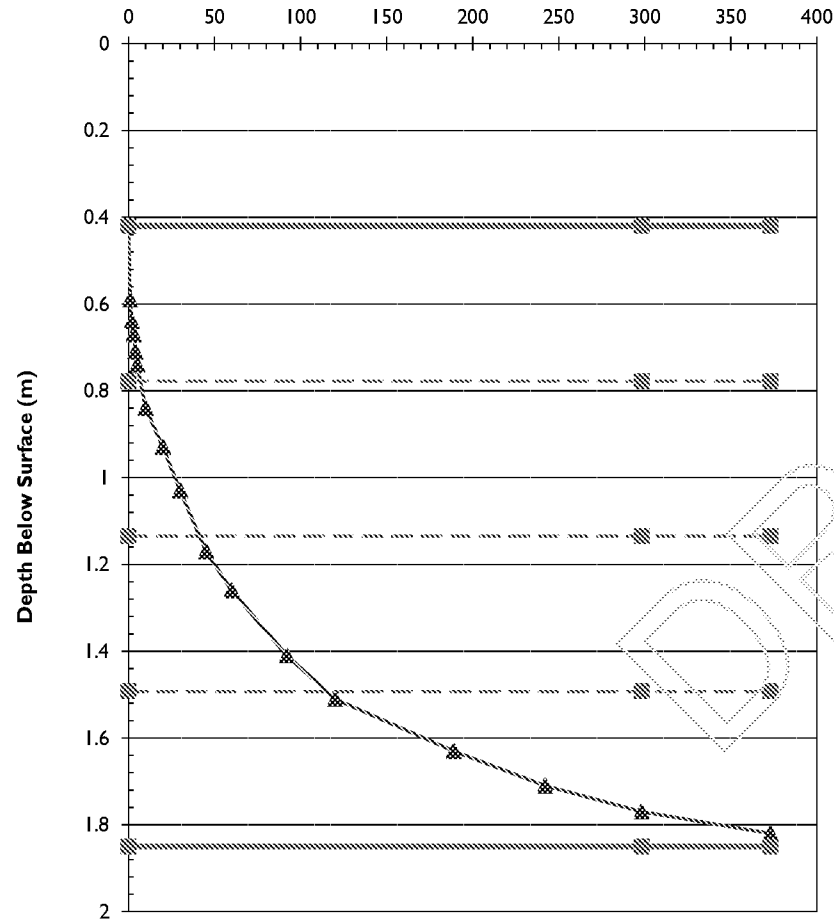
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP319
Test No: Test No 1



Pit Length (m)	1.65
Pit Width (m)	0.48
Depth to Pit Base (m)	1.85
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.42
Max Water Dropdown during Test (m)	1.4
Total Soakage Test Time (min)	373
Mean Internal Discharge Area (m2)	3.8379
Discharge Rate (litre/min)	5.2324324
Soakage Rate (litre/m2/min)	1.3633582
BRE Soil Infiltration Rate (m/sec)	2.272E-05

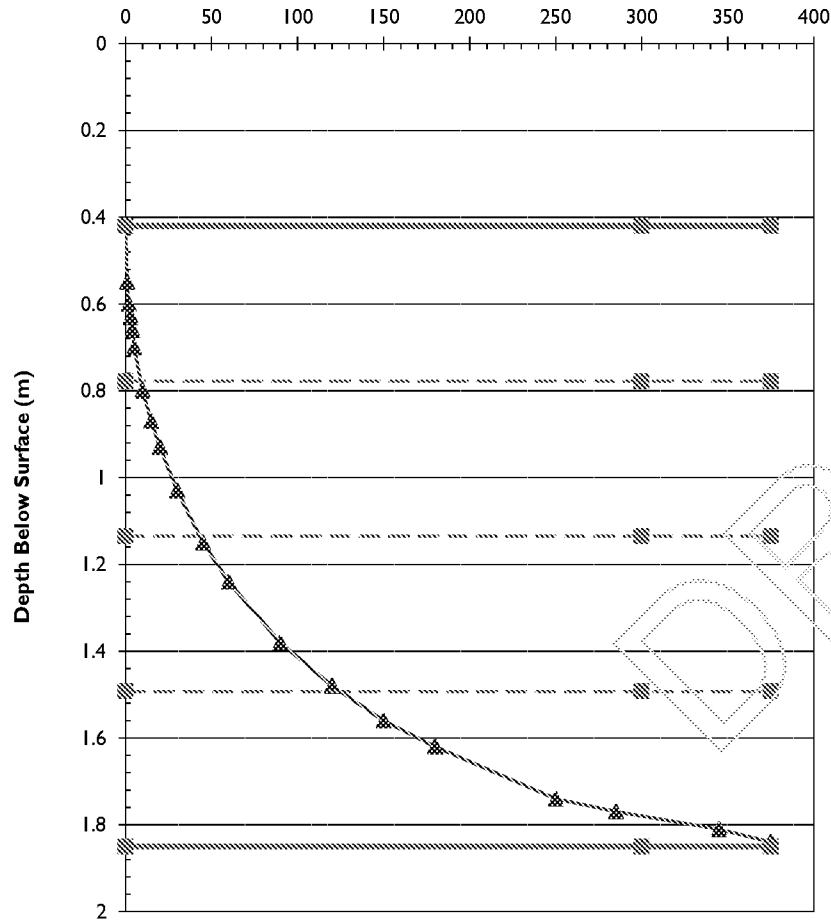
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP319
Test No: Test No 2



Pit Length (m)	1.65
Pit Width (m)	0.48
Depth to Pit Base (m)	1.85
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.42
Max Water Dropdown during Test (m)	1.42
Total Soakage Test Time (min)	375
Mean Internal Discharge Area (m2)	3.8379
Discharge Rate (litre/min)	4.8896276
Soakage Rate (litre/m2/min)	1.2740373
BRE Soil Infiltration Rate (m/sec)	2.123E-05

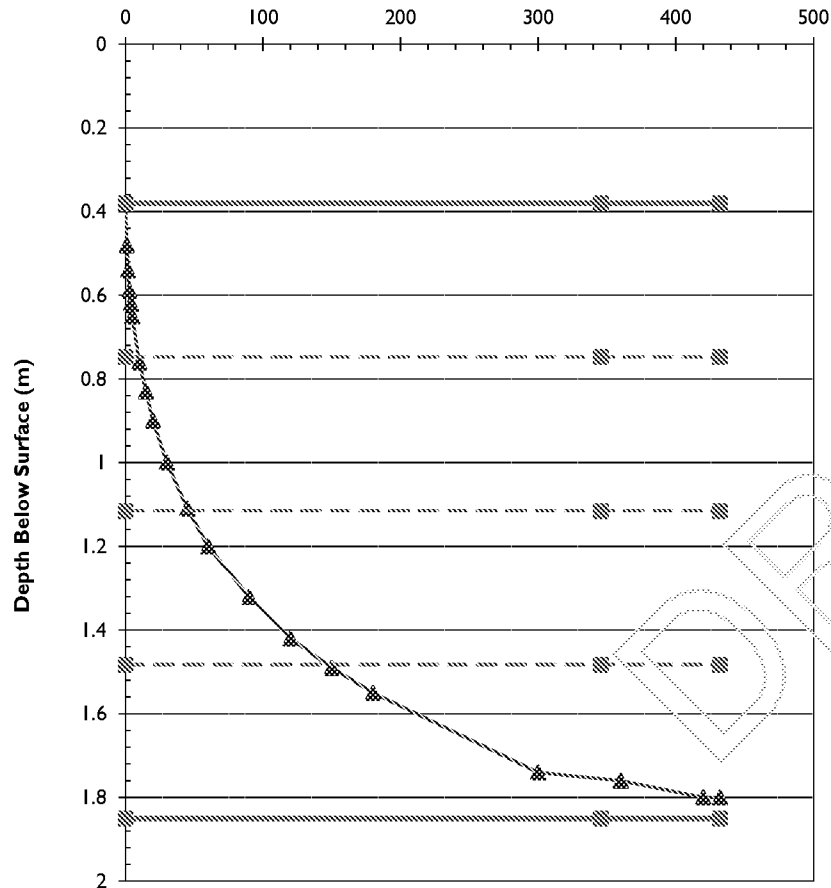
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 08/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP319
Test No: Test No 3

repeated)



Pit Length (m)	1.65
Pit Width (m)	0.48
Depth to Pit Base (m)	1.85
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.38
Max Water Dropdown during Test (m)	1.42
Total Soakage Test Time (min)	432
Mean Internal Discharge Area (m2)	3.9231
Discharge Rate (litre/min)	4.2381033
Soakage Rate (litre/m2/min)	1.0802945
BRE Soil Infiltration Rate (m/sec)	1.8E-05

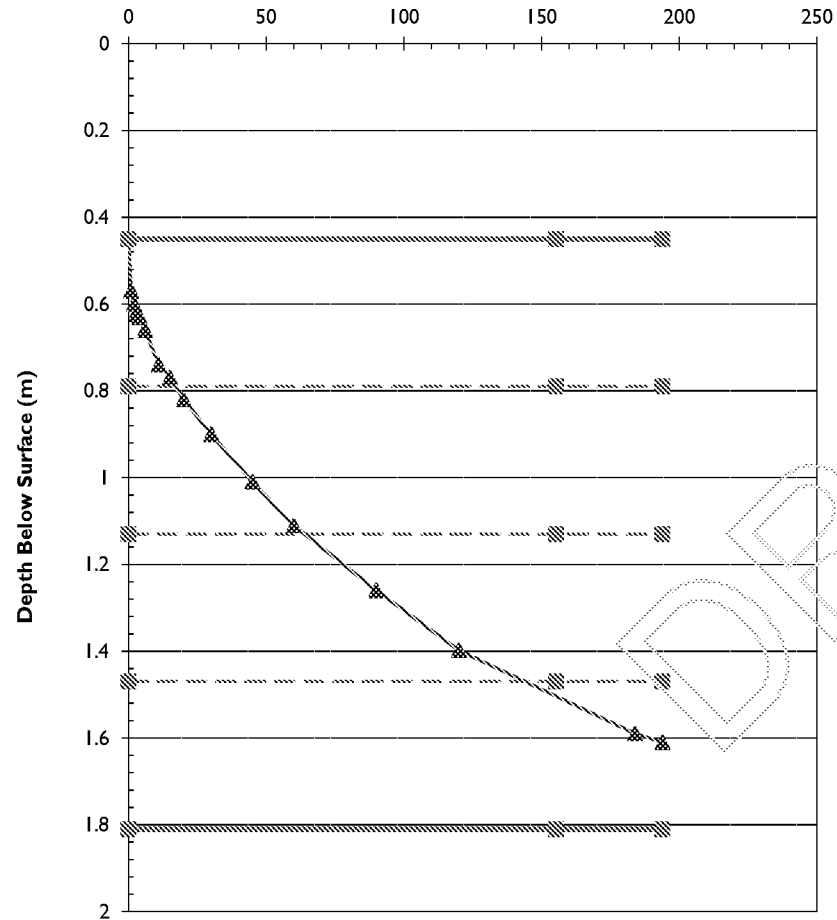
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 09/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP323
Test No: Test No 1



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.81
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.45
Max Water Dropdown during Test (m)	1.16
Total Soakage Test Time (min)	194
Mean Internal Discharge Area (m2)	3.8234
Discharge Rate (litre/min)	4.3787717
Soakage Rate (litre/m2/min)	1.145256
BRE Soil Infiltration Rate (m/sec)	1.909E-05

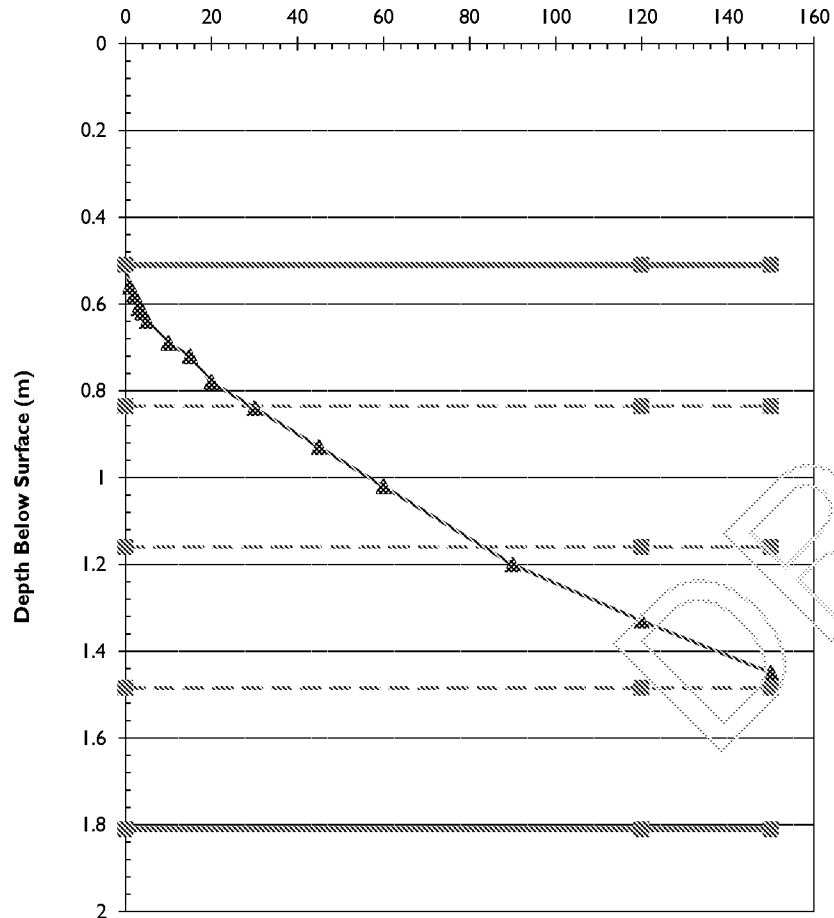
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 08/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP323
Test No: Test No 2



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.81
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.51
Max Water Dropdown during Test (m)	0.94
Total Soakage Test Time (min)	150
Mean Internal Discharge Area (m2)	3.76815
Discharge Rate (litre/min)	4.16232
Soakage Rate (litre/m2/min)	1.1046057
BRE Soil Infiltration Rate (m/sec)	1.841E-05

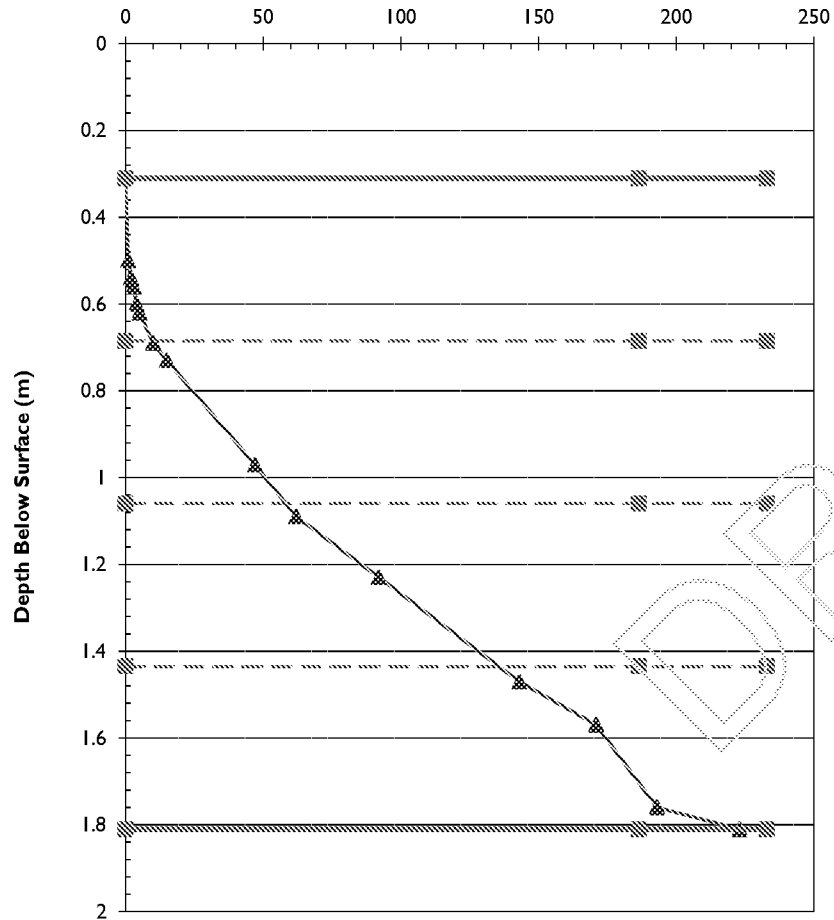
Comments:

Water level fell to 50% -- 25% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 08/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP323
Test No: Test No 3



Pit Length (m)	1.74
Pit Width (m)	0.47
Depth to Pit Base (m)	1.81
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	100%
Depth of Water at Start of Test (m)	0.31
Max Water Dropdown during Test (m)	1.5
Total Soakage Test Time (min)	233
Mean Internal Discharge Area (m2)	4.1328
Discharge Rate (litre/min)	4.8709636
Soakage Rate (litre/m2/min)	1.178611
BRE Soil Infiltration Rate (m/sec)	1.964E-05

Comments:

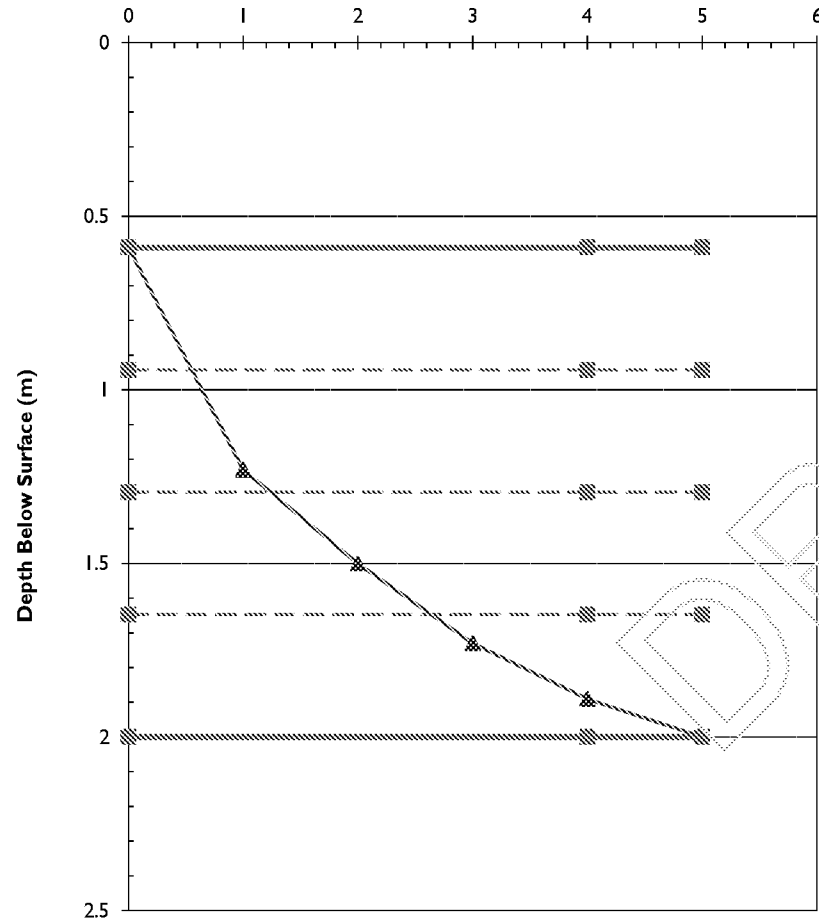
Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 09/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)

initial)



Test Hole No: TP401
Test No: Test No 1

Pit Length (m)	2.15
Pit Width (m)	0.53
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.59
Max Water Dropdown during Test (m)	1.41
Total Soakage Test Time (min)	5
Mean Internal Discharge Area (m2)	4.9183
Discharge Rate (litre/min)	134.49821
Soakage Rate (litre/m2/min)	27.346485
BRE Soil Infiltration Rate (m/sec)	0.0004558

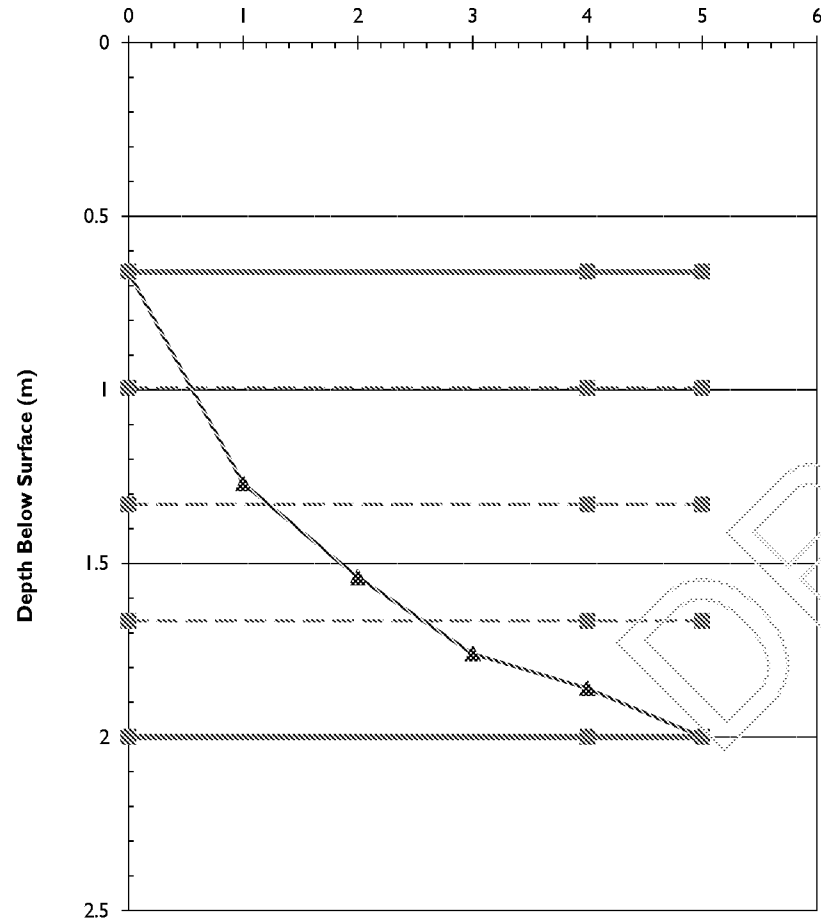
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 01/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP401
Test No: Test No 2



Pit Length (m)	2.15
Pit Width (m)	0.53
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.66
Max Water Dropdown during Test (m)	1.34
Total Soakage Test Time (min)	5
Mean Internal Discharge Area (m2)	4.7307
Discharge Rate (litre/min)	132.34896
Soakage Rate (litre/m2/min)	27.976613
BRE Soil Infiltration Rate (m/sec)	0.0004663

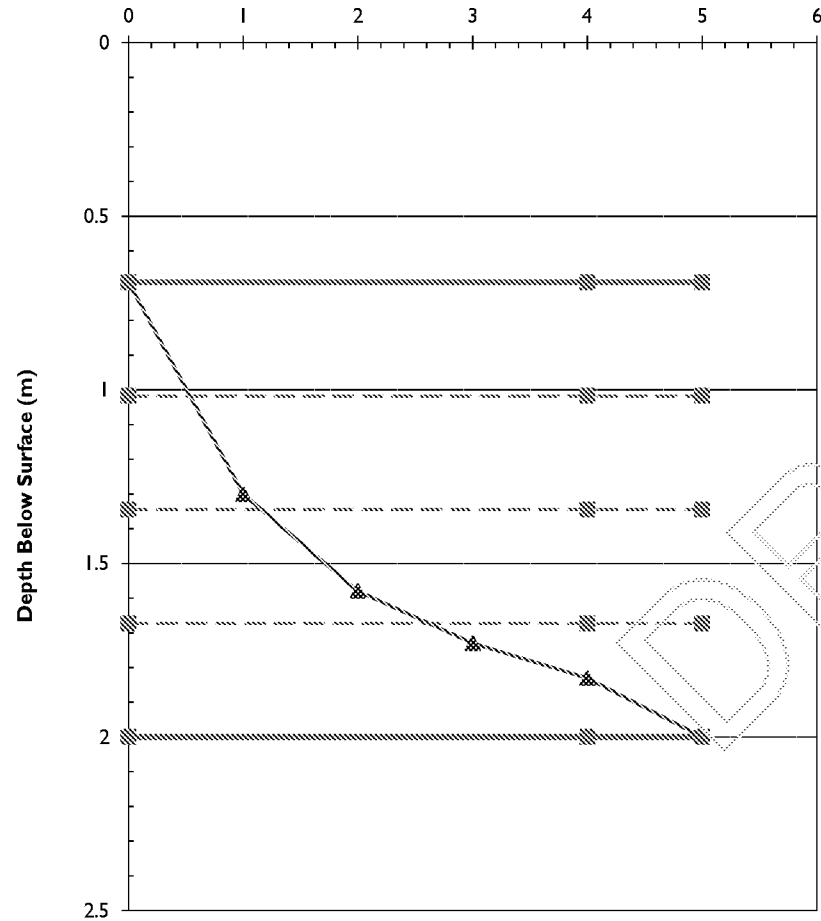
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 01/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Repeated)

Test Hole No: TP401
Test No: Test No 3



Pit Length (m)	2.15
Pit Width (m)	0.53
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.69
Max Water Dropdown during Test (m)	1.31
Total Soakage Test Time (min)	5
Mean Internal Discharge Area (m2)	4.6503
Discharge Rate (litre/min)	125.60473
Soakage Rate (litre/m2/min)	27.010026
BRE Soil Infiltration Rate (m/sec)	0.0004502

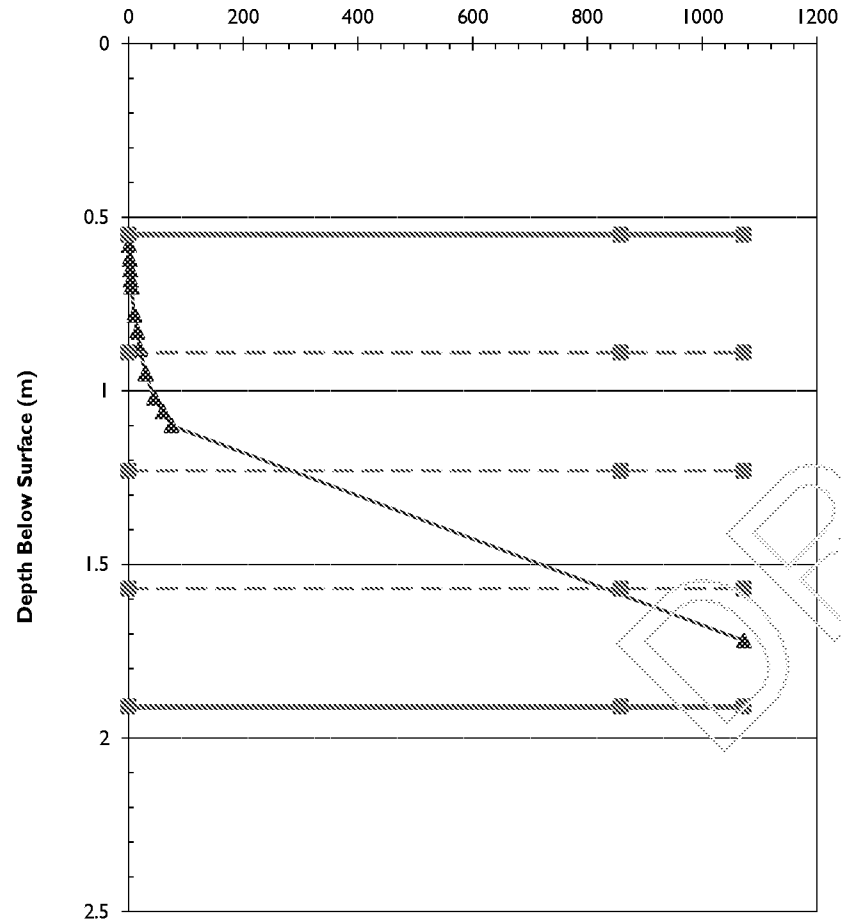
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 01/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP402

Test No: Test No 1



Pit Length (m)	1.9
Pit Width (m)	0.55
Depth to Pit Base (m)	1.91
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.55
Max Water Dropdown during Test (m)	1.17
Total Soakage Test Time (min)	1073
Mean Internal Discharge Area (m2)	4.377
Discharge Rate (litre/min)	0.307004
Soakage Rate (litre/m2/min)	0.0701403
BRE Soil Infiltration Rate (m/sec)	1.169E-06

Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home

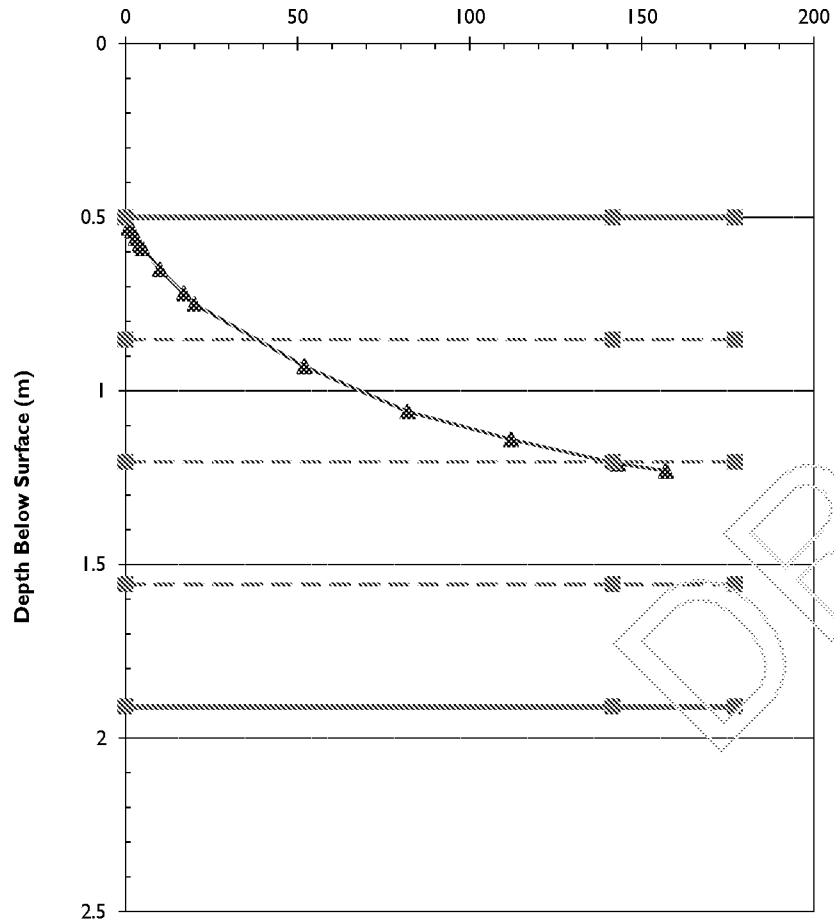
Site: Fontwell Avenue

Tested By: ADC/KT

Test Date: 01/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP402
Test No: Test No 2



Pit Length (m)	1.9
Pit Width (m)	0.55
Depth to Pit Base (m)	1.91
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	0.73
Total Soakage Test Time (min)	177
Mean Internal Discharge Area (m2)	5.301875
Discharge Rate (litre/min)	1.0838514
Soakage Rate (litre/m2/min)	0.2044279
BRE Soil Infiltration Rate (m/sec)	3.407E-06

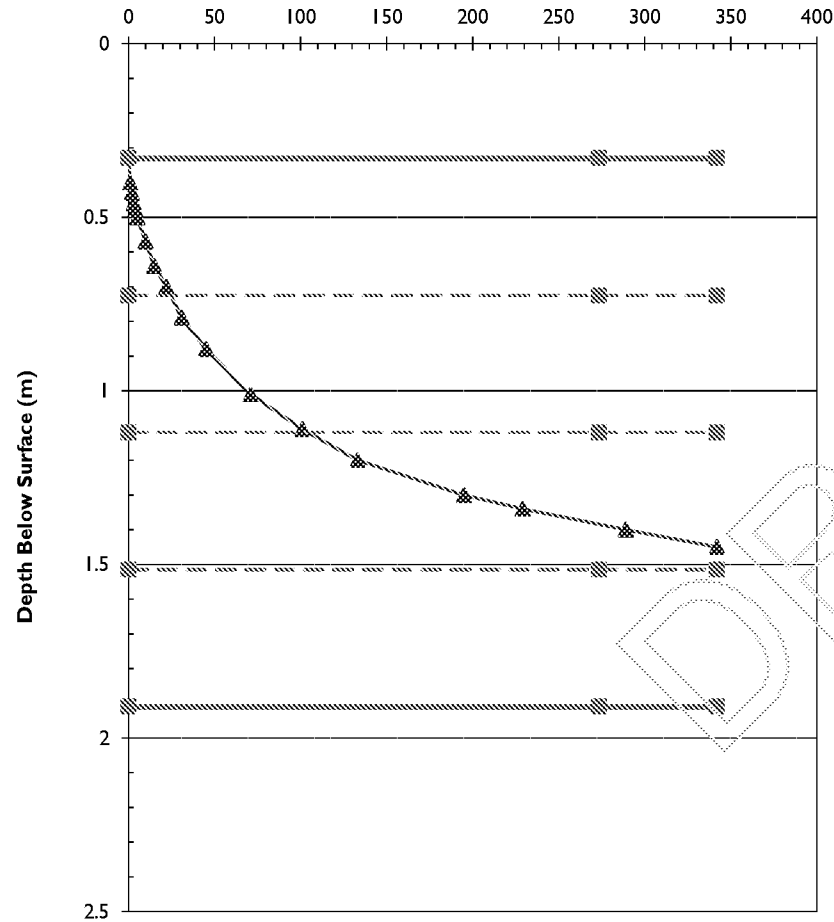
Comments:

Water level fell to 50% -- 25% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 01/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP402
Test No: Test No 3



Pit Length (m)	1.9
Pit Width (m)	0.55
Depth to Pit Base (m)	1.91
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.33
Max Water Dropdown during Test (m)	1.12
Total Soakage Test Time (min)	342
Mean Internal Discharge Area (m2)	5.07525
Discharge Rate (litre/min)	0.8351772
Soakage Rate (litre/m2/min)	0.1645588
BRE Soil Infiltration Rate (m/sec)	2.743E-06

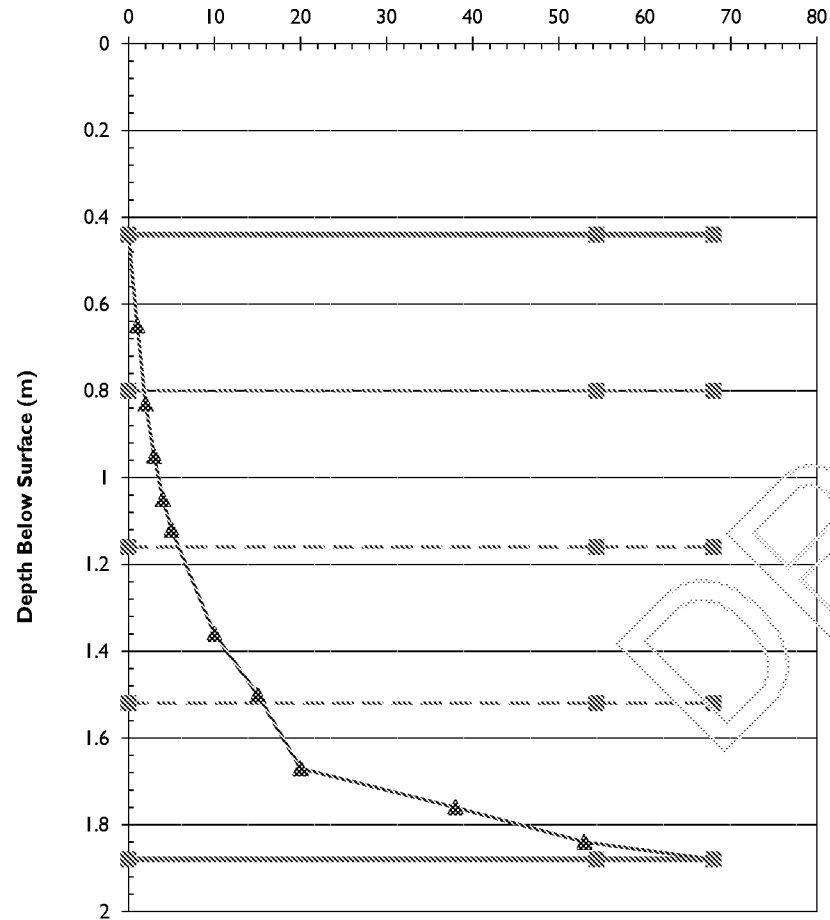
Comments:

Water level fell to 50% -- 25% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 04/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP403
Test No: Test No 1



Pit Length (m)	1.9
Pit Width (m)	0.34
Depth to Pit Base (m)	1.88
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.44
Max Water Dropdown during Test (m)	1.44
Total Soakage Test Time (min)	68
Mean Internal Discharge Area (m2)	3.8716
Discharge Rate (litre/min)	11.835199
Soakage Rate (litre/m2/min)	3.0569271
BRE Soil Infiltration Rate (m/sec)	5.095E-05

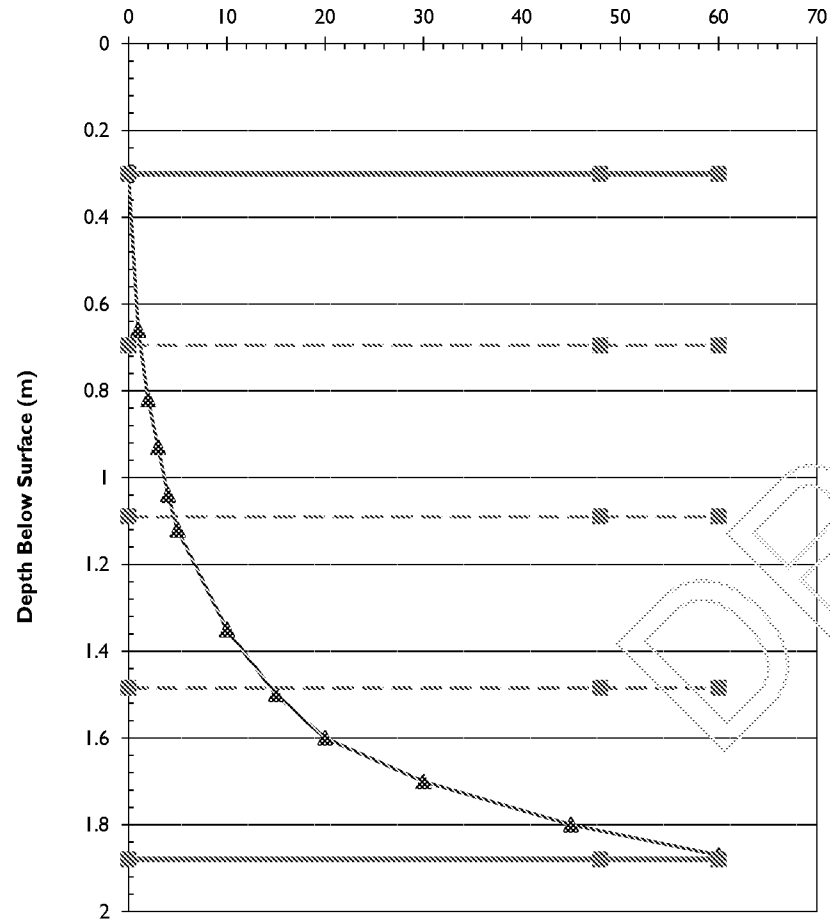
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 02/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP403
Test No: Test No 2



Pit Length (m)	1.9
Pit Width (m)	0.34
Depth to Pit Base (m)	1.88
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.3
Max Water Dropdown during Test (m)	1.57
Total Soakage Test Time (min)	60
Mean Internal Discharge Area (m2)	4.1852
Discharge Rate (litre/min)	13.44896
Soakage Rate (litre/m2/min)	3.2134569
BRE Soil Infiltration Rate (m/sec)	5.356E-05

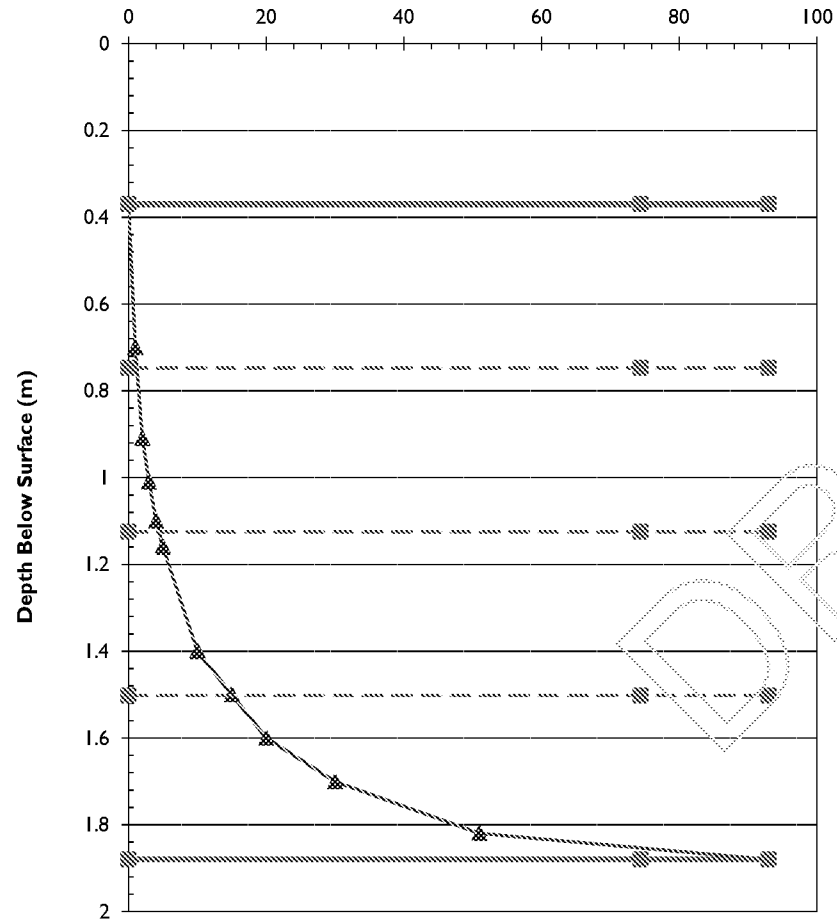
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 02/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP403
Test No: Test No 3



Pit Length (m)	1.9
Pit Width (m)	0.34
Depth to Pit Base (m)	1.88
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.37
Max Water Dropdown during Test (m)	1.51
Total Soakage Test Time (min)	93
Mean Internal Discharge Area (m2)	4.0284
Discharge Rate (litre/min)	12.282023
Soakage Rate (litre/m2/min)	3.0488589
BRE Soil Infiltration Rate (m/sec)	5.081E-05

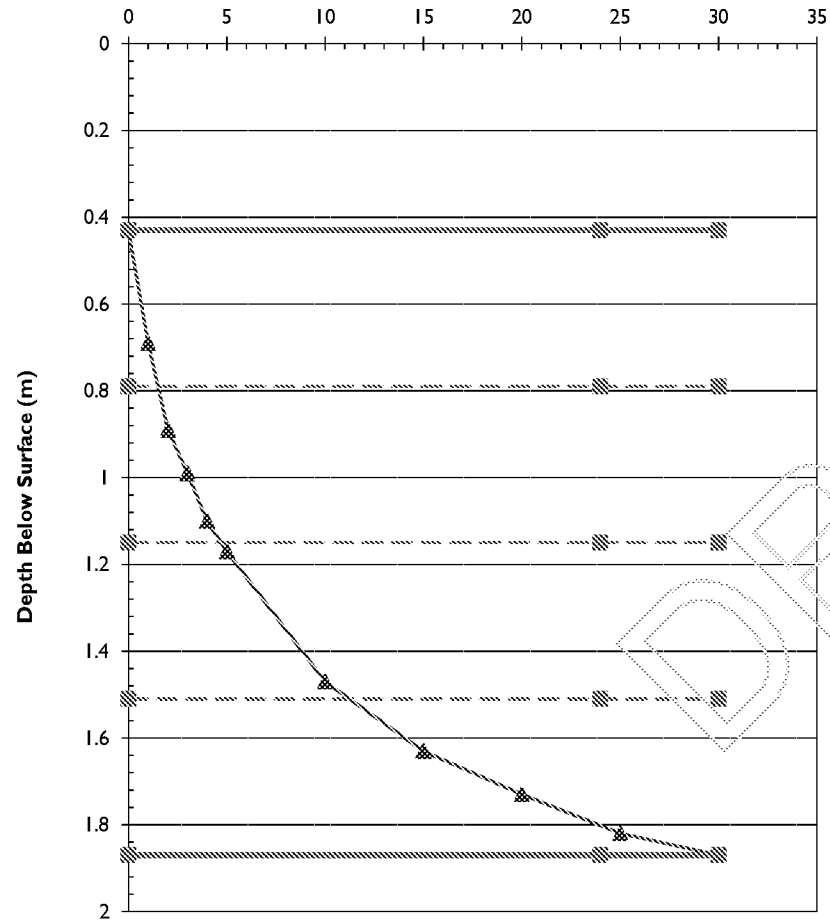
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 02/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP404
Test No: Test No 1



Pit Length (m)	2.2
Pit Width (m)	0.55
Depth to Pit Base (m)	1.87
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.43
Max Water Dropdown during Test (m)	1.44
Total Soakage Test Time (min)	30
Mean Internal Discharge Area (m2)	5.17
Discharge Rate (litre/min)	31.273846
Soakage Rate (litre/m2/min)	6.0490998
BRE Soil Infiltration Rate (m/sec)	0.0001008

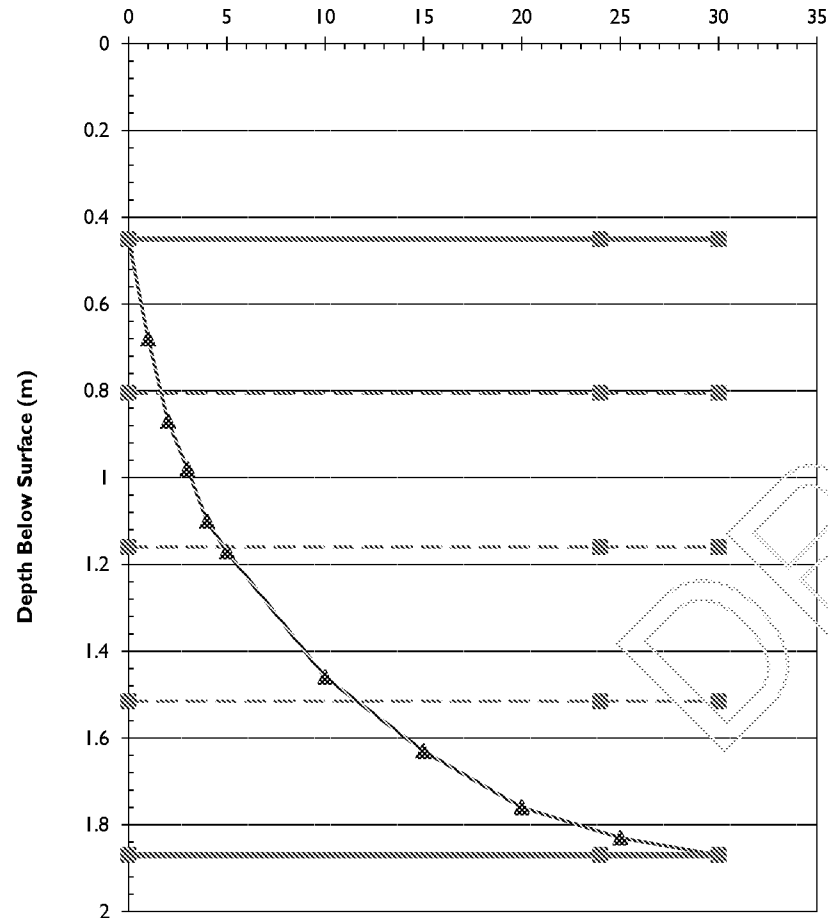
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP404
Test No: Test No 2



Pit Length (m)	2.2
Pit Width (m)	0.55
Depth to Pit Base (m)	1.87
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.45
Max Water Dropdown during Test (m)	1.42
Total Soakage Test Time (min)	30
Mean Internal Discharge Area (m2)	5.115
Discharge Rate (litre/min)	30.190008
Soakage Rate (litre/m2/min)	5.9022498
BRE Soil Infiltration Rate (m/sec)	9.837E-05

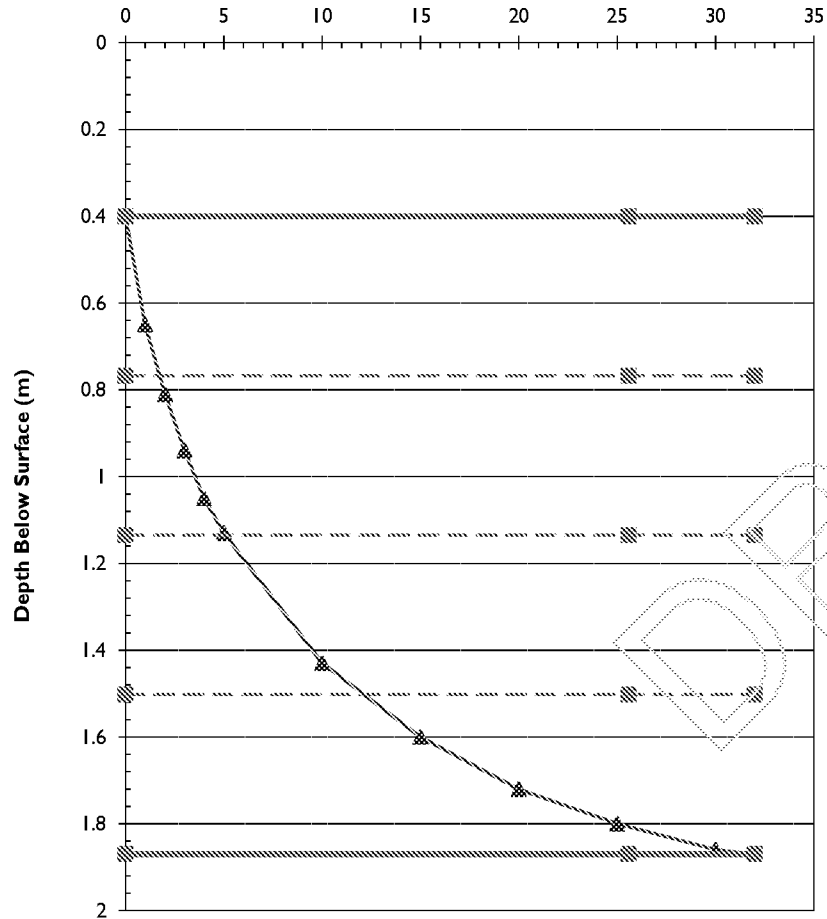
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP404
Test No: Test No 3



Pit Length (m)	2.2
Pit Width (m)	0.55
Depth to Pit Base (m)	1.87
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.4
Max Water Dropdown during Test (m)	1.47
Total Soakage Test Time (min)	32
Mean Internal Discharge Area (m2)	5.2525
Discharge Rate (litre/min)	29.935868
Soakage Rate (litre/m2/min)	5.6993562
BRE Soil Infiltration Rate (m/sec)	9.499E-05

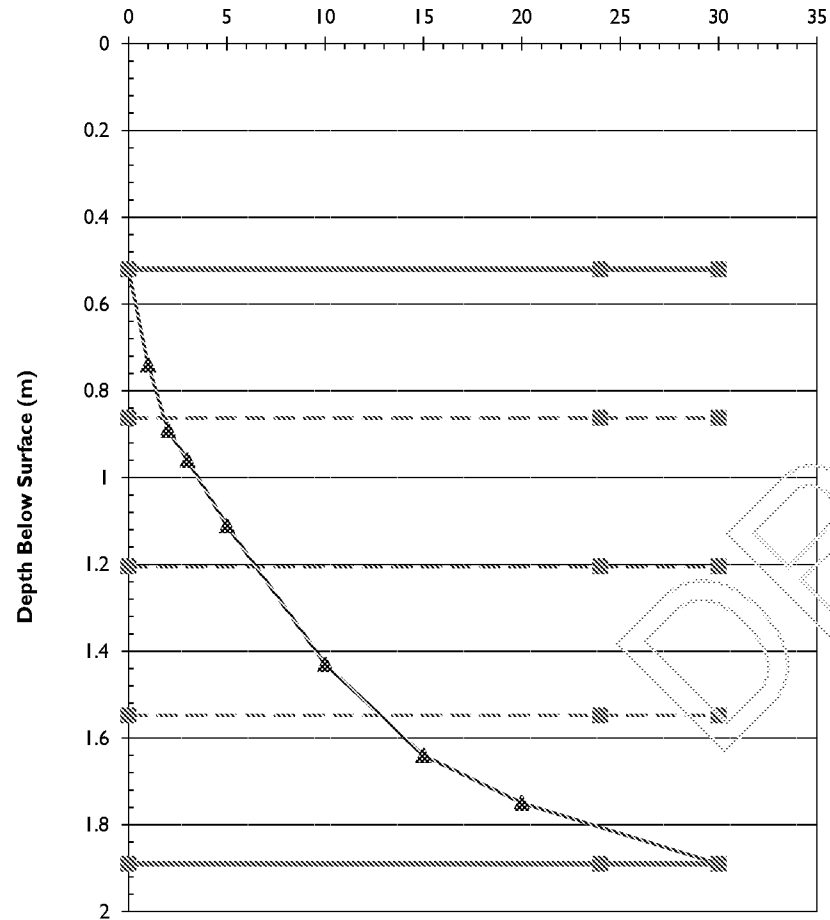
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP405

Test No: Test No 1



Pit Length (m)	1.9
Pit Width (m)	0.32
Depth to Pit Base (m)	1.89
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.52
Max Water Dropdown during Test (m)	1.37
Total Soakage Test Time (min)	30
Mean Internal Discharge Area (m2)	3.6494
Discharge Rate (litre/min)	13.274623
Soakage Rate (litre/m2/min)	3.6374809
BRE Soil Infiltration Rate (m/sec)	6.062E-05

Comments:

Pit was emptied at finish of test.

Client: Dandara Home

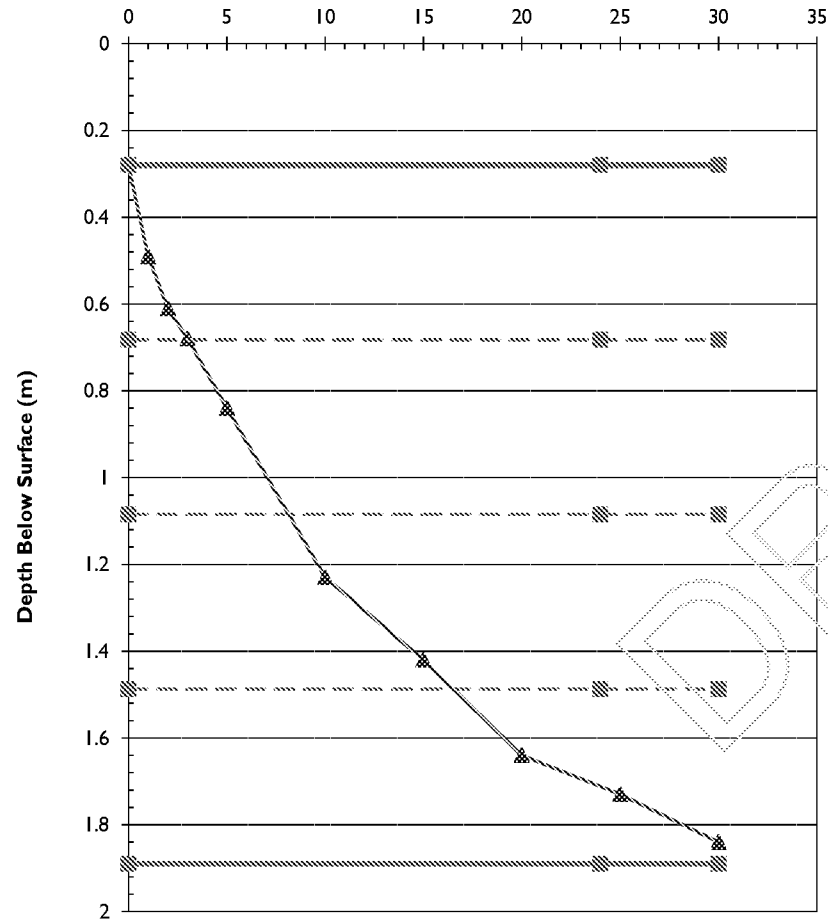
Site: Fontwell Avenue

Tested By: ADC/KT

Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP405
Test No: Test No 2



Pit Length (m)	1.9
Pit Width (m)	0.32
Depth to Pit Base (m)	1.89
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.28
Max Water Dropdown during Test (m)	1.56
Total Soakage Test Time (min)	30
Mean Internal Discharge Area (m2)	4.1822
Discharge Rate (litre/min)	12.686515
Soakage Rate (litre/m2/min)	3.033455
BRE Soil Infiltration Rate (m/sec)	5.056E-05

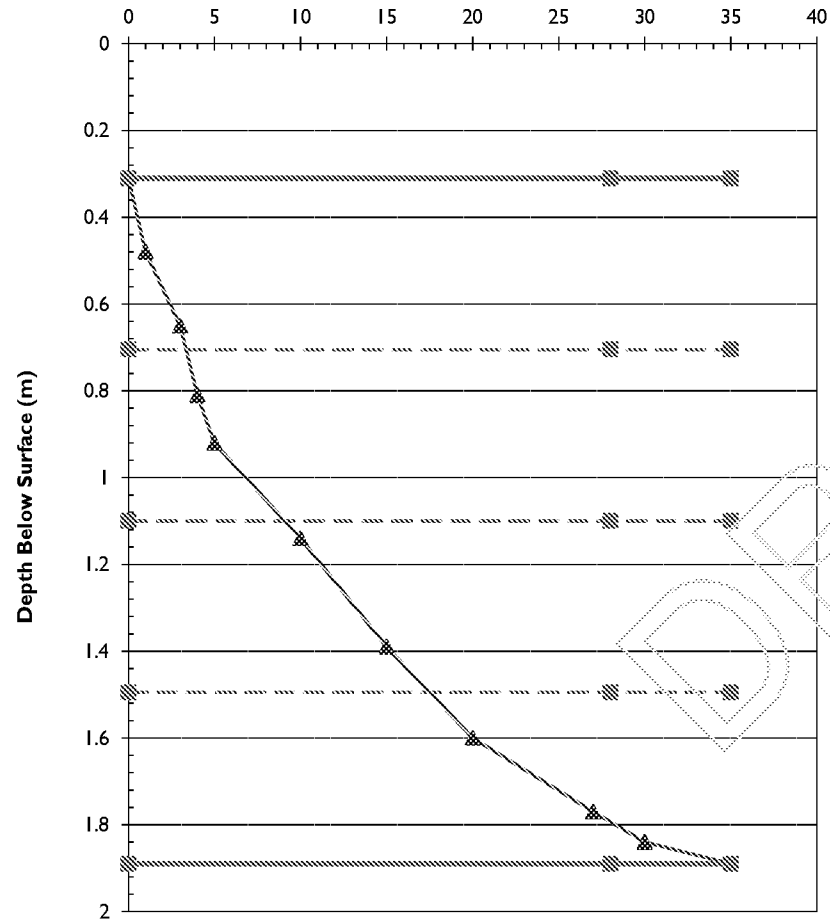
Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP405
Test No: Test No 3



Pit Length (m)	1.9
Pit Width (m)	0.32
Depth to Pit Base (m)	1.89
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.31
Max Water Dropdown during Test (m)	1.58
Total Soakage Test Time (min)	35
Mean Internal Discharge Area (m2)	4.1156
Discharge Rate (litre/min)	11.875461
Soakage Rate (litre/m2/min)	2.8854751
BRE Soil Infiltration Rate (m/sec)	4.809E-05

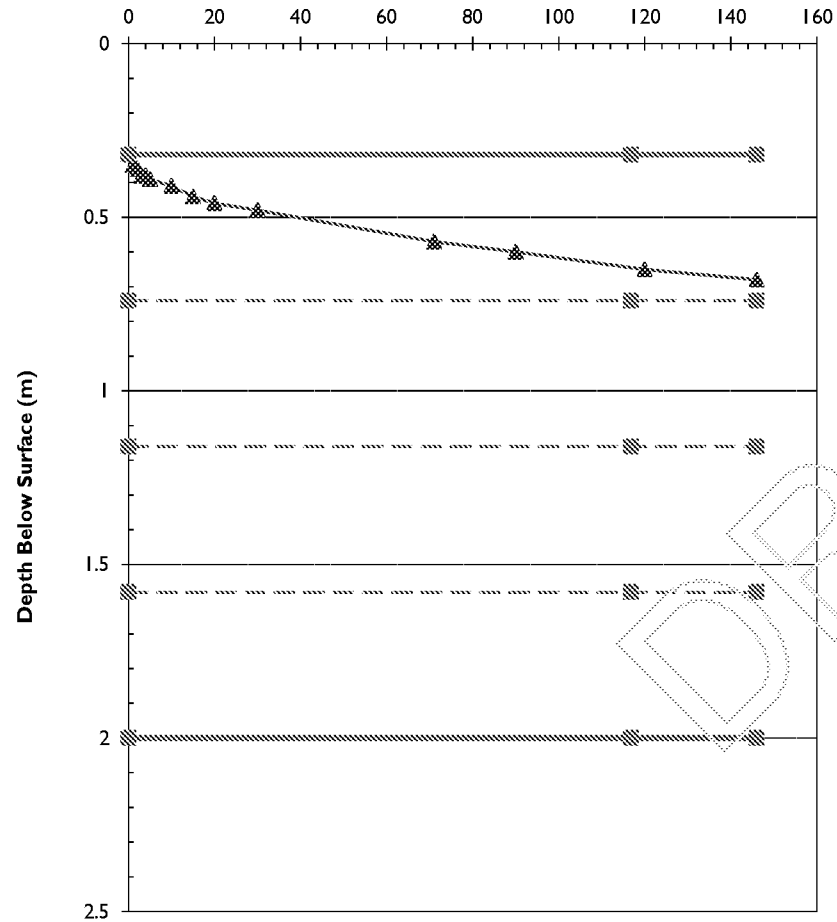
Comments:

Pit was emptied at finish of test.

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP406

Test No: Test No 1



Pit Length (m)	1.8
Pit Width (m)	0.53
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.32
Max Water Dropdown during Test (m)	0.36
Total Soakage Test Time (min)	146
Mean Internal Discharge Area (m2)	7.3149
Discharge Rate (litre/min)	0.4821016
Soakage Rate (litre/m2/min)	0.0659068
BRE Soil Infiltration Rate (m/sec)	1.098E-06

Comments:

Water level did not fall to 75% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home

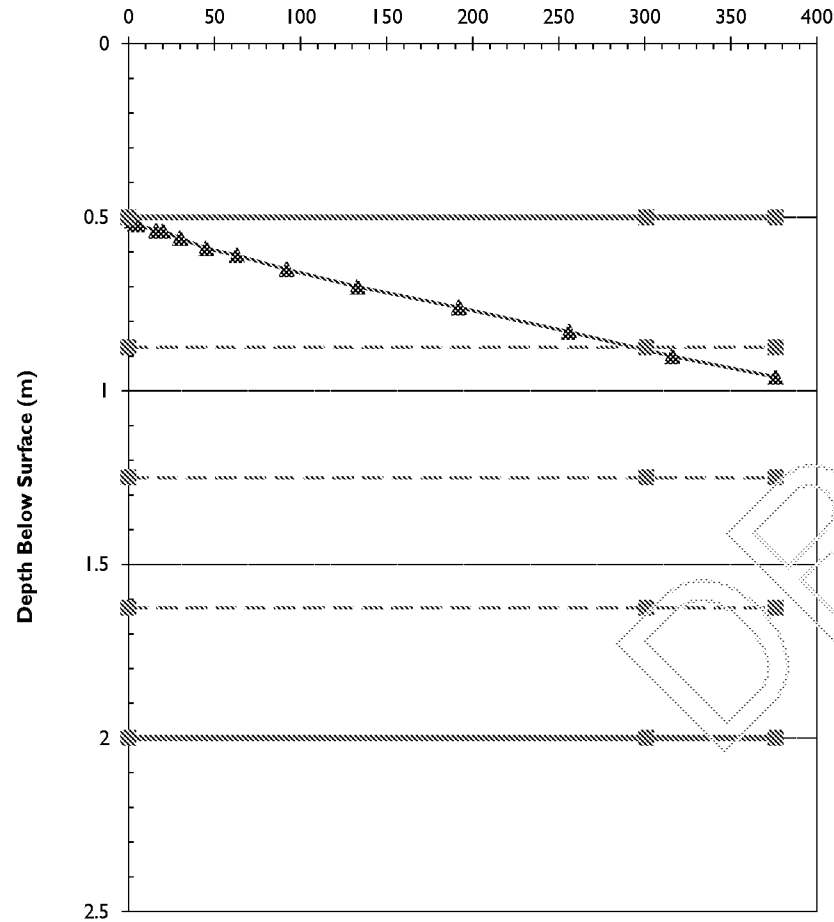
Site: Fontwell Avenue

Tested By: ADC/KT

Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



repeated)

Test Hole No: TP406
Test No: Test No 2



Pit Length (m)	1.8
Pit Width (m)	0.53
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	0.46
Total Soakage Test Time (min)	376
Mean Internal Discharge Area (m2)	6.06835
Discharge Rate (litre/min)	0.358386
Soakage Rate (litre/m2/min)	0.0590582
BRE Soil Infiltration Rate (m/sec)	9.843E-07

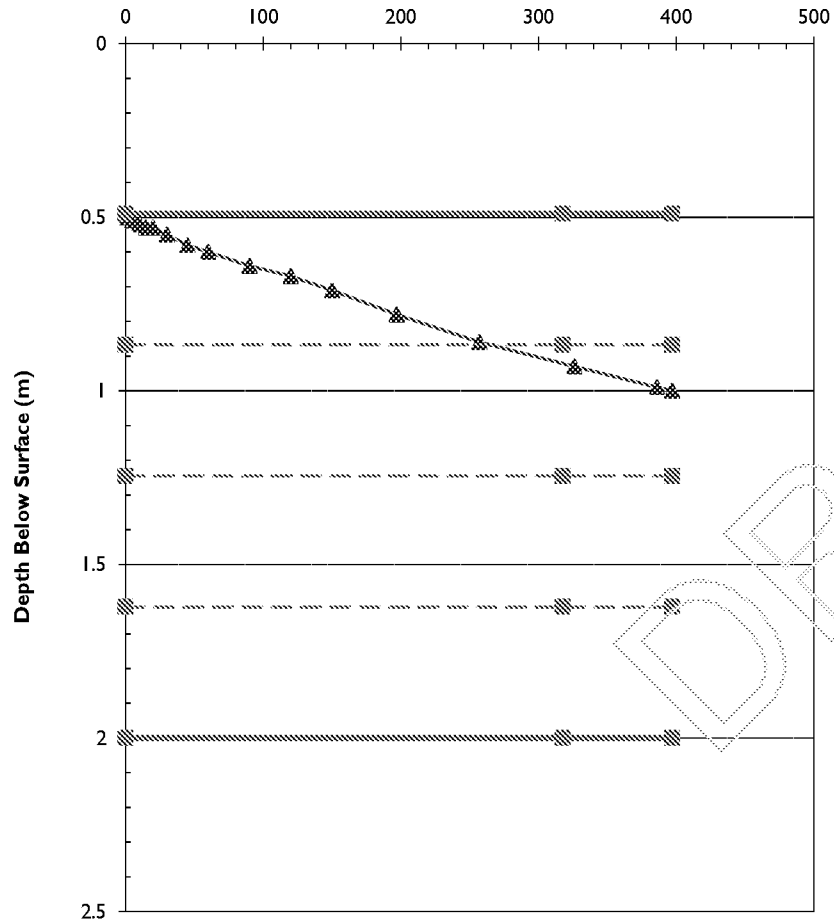
Comments:

Water level fell to 75% -- 50% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 08/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP406
Test No: Test No 3

repeated)



Pit Length (m)	1.8
Pit Width (m)	0.53
Depth to Pit Base (m)	2
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.49
Max Water Dropdown during Test (m)	0.51
Total Soakage Test Time (min)	397
Mean Internal Discharge Area (m2)	5.922725
Discharge Rate (litre/min)	0.3336302
Soakage Rate (litre/m2/min)	0.0563305
BRE Soil Infiltration Rate (m/sec)	9.388E-07

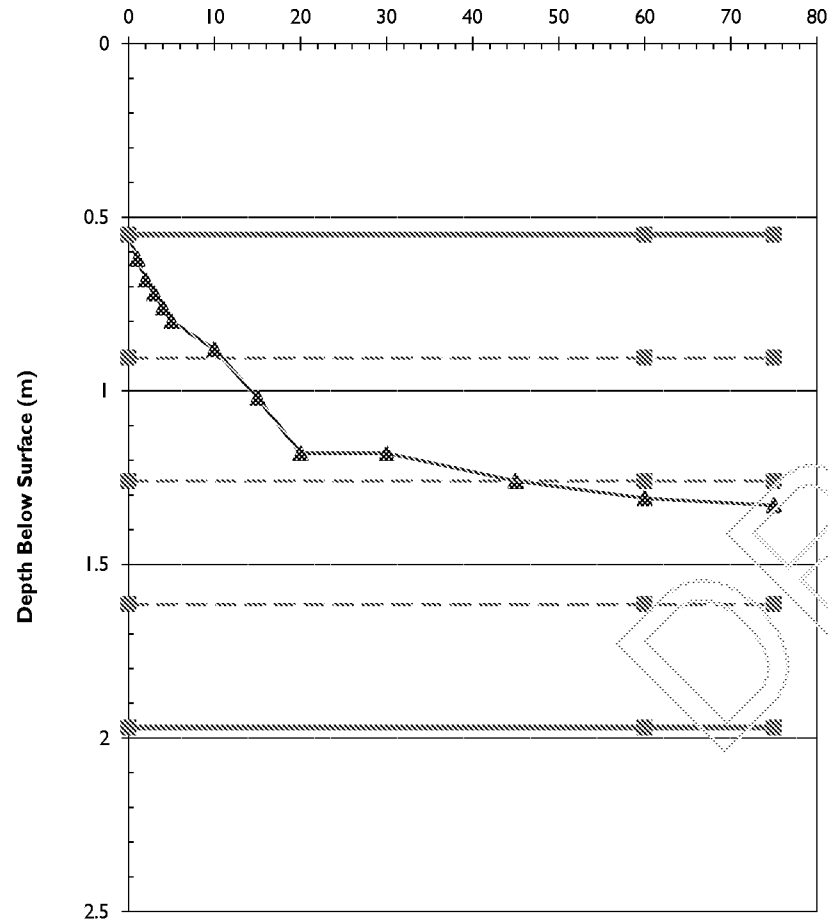
Comments:

Water level fell to 75% -- 50% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 09/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



initial)

Test Hole No: TP407
Test No: Test No 1



Pit Length (m)	1.83
Pit Width (m)	0.5
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.55
Max Water Dropdown during Test (m)	0.78
Total Soakage Test Time (min)	75
Mean Internal Discharge Area (m2)	4.88765
Discharge Rate (litre/min)	2.1231058
Soakage Rate (litre/m2/min)	0.4343817
BRE Soil Infiltration Rate (m/sec)	7.24E-06

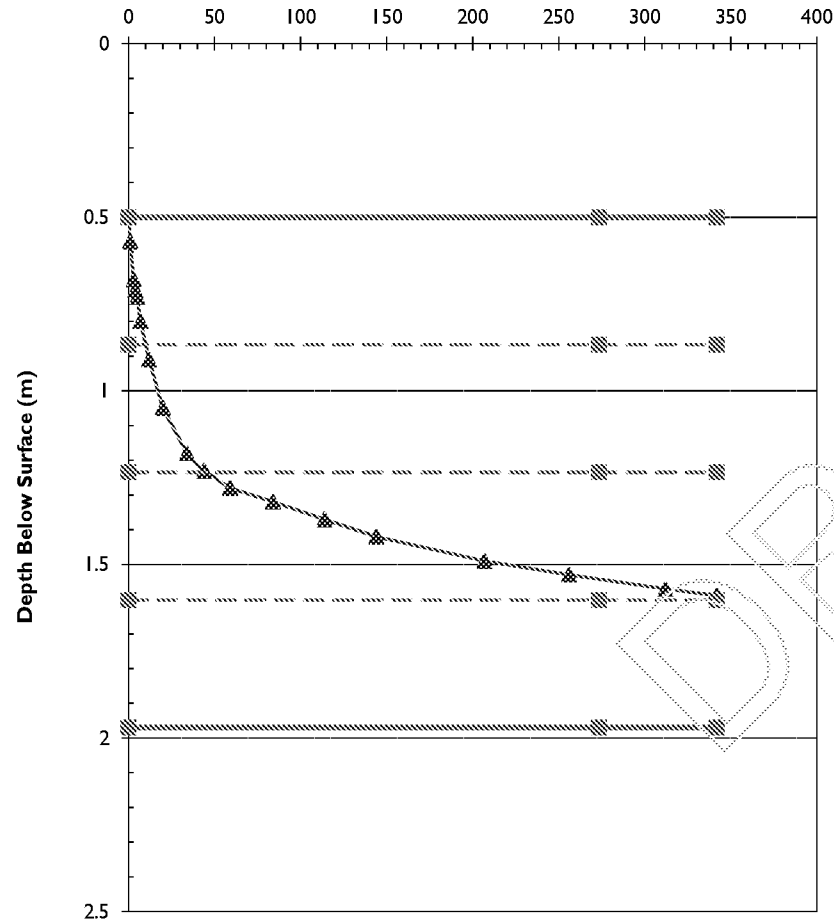
Comments:

Water level fell to 50% -- 25% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 05/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP407
Test No: Test No 2

repeated)



Pit Length (m)	1.83
Pit Width (m)	0.5
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
Voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.5
Max Water Dropdown during Test (m)	1.09
Total Soakage Test Time (min)	342
Mean Internal Discharge Area (m2)	4.369225
Discharge Rate (litre/min)	0.6970727
Soakage Rate (litre/m2/min)	0.1595415
BRE Soil Infiltration Rate (m/sec)	2.659E-06

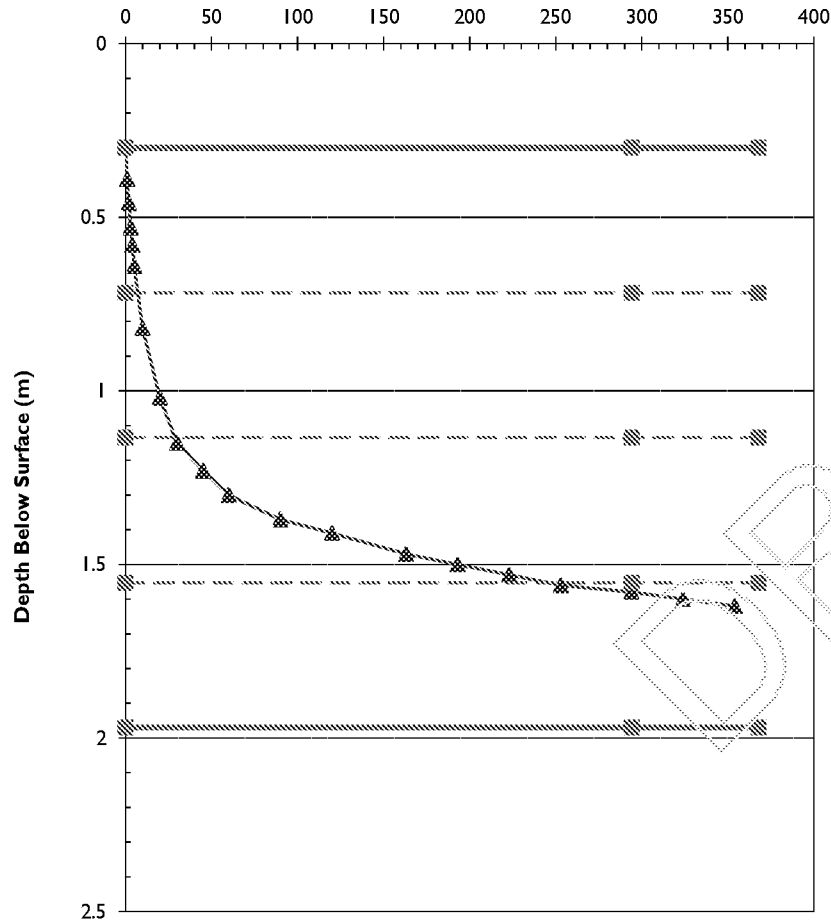
Comments:

Water level fell to 50% -- 25% max water depth,
Result not compliant with BRE365 requirement

Client: Dandara Home
Site: Fontwell Avenue
Tested By: ADC/KT
Test Date: 08/07/19

BRE Digest 365 - Soakage Test

Filling to Max Water Depth (min)



Test Hole No: TP407

Test No: Test No 3

repeated)



Pit Length (m)	1.83
Pit Width (m)	0.5
Depth to Pit Base (m)	1.97
Depth to Top of Permeable Soils (m)	
Depth to Groundwater Surface (m)	
Depth to Top of Granular Fill (m)	0.3
voids Assumed for Granular Fill (%)	35%
Depth of Water at Start of Test (m)	0.3
Max Water Dropdown during Test (m)	1.33
Total Soakage Test Time (min)	368
Mean Internal Discharge Area (m2)	4.8061
Discharge Rate (litre/min)	1.1219294
Soakage Rate (litre/m2/min)	0.2334386
BRE Soil Infiltration Rate (m/sec)	3.891E-06

Comments:

Pit was nearly emptied at finish of test.

Client: Dandara Home

Site: Fontwell Avenue

Tested By: ADC/KT

Test Date: 09/07/19

Results of BRE Digest 365 Soakage Tests

Site : Fontwell Avenue

Tested By : ADC/KT

Client : Dandara Home

Test Date : 10/07/2019

O S Reference :

Hole Number	Test Number	Hole Depth m	Test Soakage Rate litre/m2/min	Design Soakage Rate litre/m2/min	m/sec	End Water Level	Remarks
TP401	No 1	2	27.35	27.35	0.000450167	Empty pit.	
TP401	No 2	2	27.98			Empty pit.	
TP401	No 3	2	27.01			Empty pit.	
TP402	No 1	1.91	0.07	0.07	1.169E-06	Nearly empty pit.	
TP402	No 2	1.91	0.20			Pit was not empty	
TP402	No 3	1.91	0.16			Pit was not empty	
TP403	No 1	1.88	3.06	3.06	5.08143E-05	Empty pit.	
TP403	No 2	1.88	3.21			Nearly empty pit.	
TP403	No 3	1.88	3.05			Empty pit.	
TP404	No 1	1.87	6.05	5.90	9.49893E-05	Empty pit.	
TP404	No 2	1.87	5.90			Empty pit.	
TP404	No 3	1.87	5.70			Empty pit.	
TP405	No 1	1.89	3.64	3.03	4.80913E-05	Empty pit.	
TP405	No 2	1.89	3.03			Nearly empty pit.	

TP405	No 3	1.89	2.89			Empty pit.	
TP406	No 1	2	0.07	0.06	9.38842E-07	Pit was not empty	
TP406	No 2	2	0.06			Pit was not empty	
TP406	No 3	2	0.06			Pit was not empty	
TP407	No 1	1.97	0.43	0.16	2.65903E-06	Pit was not empty	
TP407	No 2	1.97	0.16			N early empty pit.	
TP407	No 3	1.97	0.23			N early empty pit.	
TP305	No 1	1.83	0.37	0.37	6.11446E-06	N early empty pit.	
TP305	No 2	1.83	0.51			N early empty pit.	
TP305	No 3	1.83	0.44			Pit was not empty	
TP303	No 1	1.9	1.53	1.28	2.14005E-05	N early empty pit.	
TP303	No 2	1.9	1.28			N early empty pit.	
TP303	No 3	1.9	1.45			N early empty pit.	
TP304	No 1	1.89	5.91	5.58	9.30476E-05	Empty pit.	
TP304	No 2	1.89	5.58			Empty pit.	
TP304	No 3	1.89	6.21			Empty pit.	
TP311	No 1	1.9	26.69	23.53	0.000368289	Empty pit.	

TP311	No 2	1.9	23.53			Empty pit.	
TP311	No 3	1.9	22.10			Empty pit.	
TP319	No 1	1.85	1.36	1.27	1.80049E-05	N early empty pit.	
TP319	No 2	1.85	1.27			N early empty pit.	
TP319	No 3	1.85	1.08			N early empty pit.	
TP323	No 1	1.81	1.15	1.10	1.84101E-05	N early empty pit.	
TP323	No 2	1.81	1.10			Pit was not empty	
TP323	No 3	1.81	1.18			Empty pit.	
Mean Value of All Calculated Soakage Rates :				5.60 litre/m2/min 9.0315E-05 m/sec			