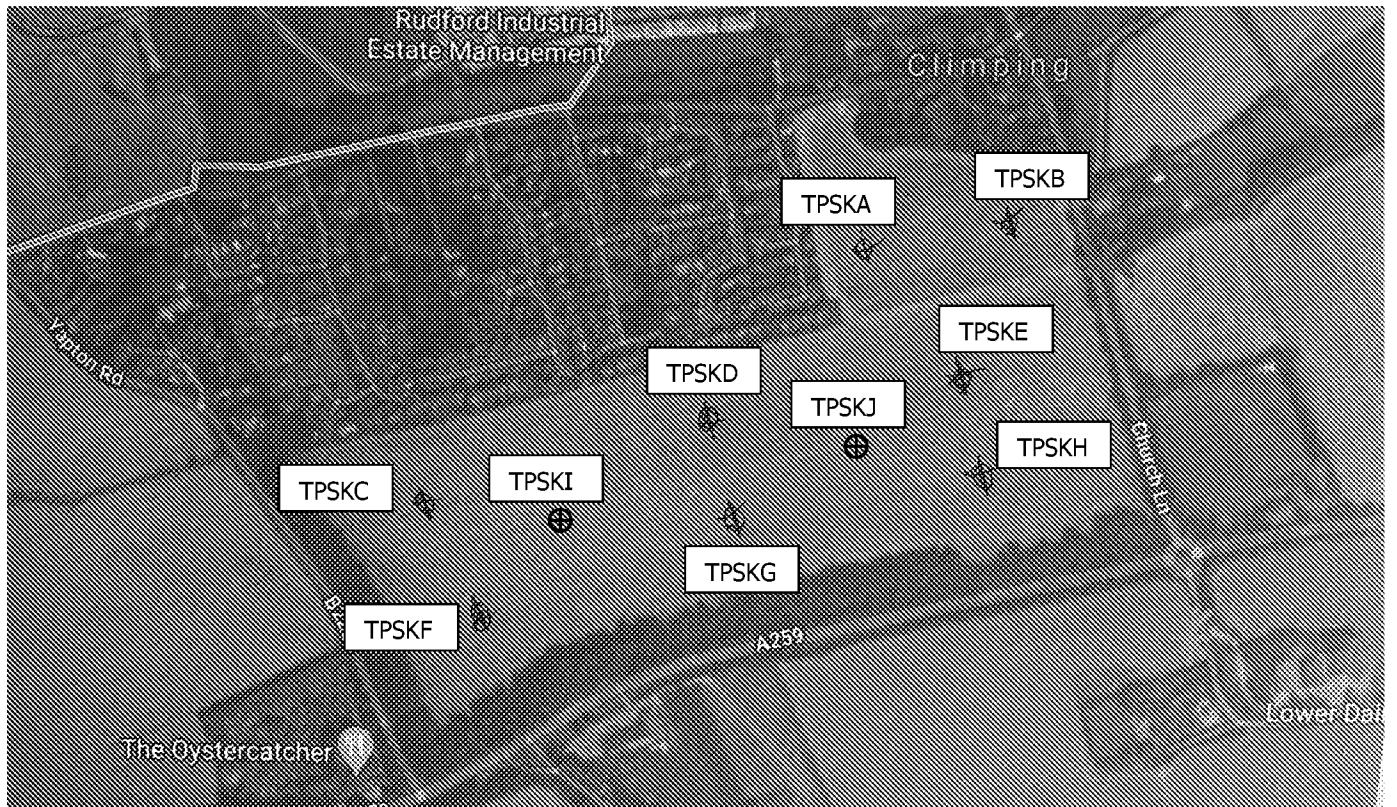
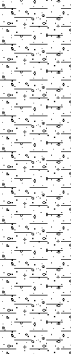
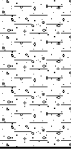


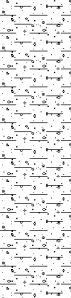
Appendix C Site-Specific Ground Investigation (including Trial Pit Logs and Infiltration Test Results)

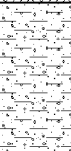
Figure 2.1: Trial Hole Location Plan

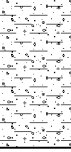


		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR 		Trial Pit Log		Trial Pit No. TPB Sheet 1 of 1	
Project Name: Horsemere		Project No.: 17830		Method:		Hole Type	
Location: Horsemere Green Lane, Climping West Sussex BN17 5GG,				Plant: JCB 3CX		TP	
				Support: 40mm aggregate used		Scale	
Client: Crayfern Homes		Trial Pit Length: 2.00m		Trial Pit Width: 0.45m		1:25	
Dates: 29/05/2020 - 04/06/2020		Level:		Co-ords:		Logged By	
						SW	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description
	Depth	Type	Results				
				0.40			Brown slightly gravelly SILT with frequent rootlets. Gravel is sub-angular to sub-rounded fine to medium flint. TOPSOIL
				1.60			Orangish brown slightly gravelly sandy CLAY with rare rootlets and black discolouration. Gravel is sub-angular to sub-rounded fine to medium flint. RAISED BEACH DEPOSITS
							End of Pit at 1.600m
General Remarks: CAT & Genny scan prior to excavating. Trial hole excavated using JCB 3CX to 1.60m bgl. Infiltration testing in accordance with BRE DG365:2016 undertaken at 1.60m bgl. Upon completion, trial hole backfilled with arisings. Rootlets noted to 1.60m bgl.							Sample Type D: Disturbed B: Bulk J: Jar W: Water
Groundwater Remarks:							

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR 			Trial Pit Log		Trial Pit No. TPD Sheet 1 of 1	
Project Name: Horsemere				Project No.: 17830		Method:		Hole Type TP
Location: Horsemere Green Lane, Climping West Sussex BN17 5GG,						Plant: JCB 3CX		
						Support: 40mm aggregate used		Scale 1:25
Client: Crayfern Homes				Trial Pit Length: 2.25m		Trial Pit Width: 0.45m		Logged By SW
Dates: 29/05/2020 - 04/06/2020			Level:		Co-ords:			
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description	
	Depth	Type	Results					
				0.50			Brown slightly gravelly SILT with frequent rootlets. Gravel is sub-angular to sub-rounded fine to medium flint. TOPSOIL	
				1.00			Orange brown slightly gravelly sandy CLAY with rare rootlets. Gravel is sub-angular to sub-rounded fine flint. RAISED BEACH DEPOSITS	
							End of Pit at 1.000m	1
								2
								3
								4
								5
General Remarks: CAT & Genny scan prior to excavating. Trial hole excavated using JCB 3CX to 1.00m bgl. Infiltration testing in accordance with BRE DG365:2016 undertaken at 1.00m bgl. Upon completion, trial hole backfilled with arisings. Rootlets noted to 1.00m bgl.								Sample Type D: Disturbed B: Bulk J: Jar W: Water
Groundwater Remarks:								

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR 			Trial Pit Log		Trial Pit No. TPE Sheet 1 of 1	
Project Name: Horsemere				Project No.: 17830		Method:		Hole Type TP
Location: Horsemere Green Lane, Climping West Sussex BN17 5GG,				Support: 40mm aggregate used		Scale 1:25		
Client: Crayfern Homes				Trial Pit Length: 2.35m		Trial Pit Width: 0.45m		Logged By SW
Dates: 29/05/2020 - 04/06/2020			Level:		Co-ords:			
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description	
	Depth	Type	Results					
				0.50			Brown slightly gravelly SILT with frequent rootlets. Gravel is sub-angular to sub-rounded fine to medium flint. TOPSOIL	
				1.50			Orangish brown slightly gravelly sandy CLAY with rare rootlets and black discolouration. Gravel is sub-angular to sub-rounded fine to medium flint. RAISED BEACH DEPOSITS	
							End of Pit at 1.500m	
General Remarks: CAT & Genny scan prior to excavating. Trial hole excavated using JCB 3CX to 1.50m bgl. Infiltration testing in accordance with BRE DG365:2016 undertaken at 1.50m bgl. Upon completion, trial hole backfilled with arisings. Rootlets noted to 1.50m bgl.								Sample Type D: Disturbed B: Bulk J: Jar W: Water
Groundwater Remarks:								

		Soils Limited Newton House, Cross Road, Tadworth KT20 5SR 			Trial Pit Log		Trial Pit No. TPF Sheet 1 of 1	
Project Name: Horsemere				Project No.: 17830		Method:		Hole Type TP
Location: Horsemere Green Lane, Climping West Sussex BN17 5GG,						Plant: JCB 3CX		
Client: Crayfern Homes				Trial Pit Length: 1.95m		Trial Pit Width: 0.45m		Scale 1:25
Dates: 29/05/2020 - 04/06/2020				Level:		Co-ords:		Logged By SW
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description	
	Depth	Type	Results					
				0.50			Brown slightly gravelly SILT with frequent rootlets. Gravel is sub-angular to sub-rounded fine to medium flint. TOPSOIL	
				1.00			Mottled orangish brown grey slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-angular to sub-rounded fine flint. RAISED BEACH DEPOSITS	
							End of Pit at 1.000m	1
								2
								3
								4
								5
General Remarks: CAT & Genny scan prior to excavating. Trial hole excavated using JCB 3CX to 1.00m bgl. Infiltration testing in accordance with BRE DG365:2016 undertaken at 1.00m bgl. Upon completion, trial hole backfilled with arisings. Rootlets noted to 1.00m bgl.								Sample Type D: Disturbed B: Bulk J: Jar W: Water
Groundwater Remarks:								

				Soils Limited Newton House, Cross Road, Tadworth KT20 5SR 			Trial Pit Log		Trial Pit No. TPH Sheet 1 of 1	
Project Name: Horsemere				Project No.: 17830		Method:		Hole Type		
Location: Horsemere Green Lane, Climping West Sussex BN17 5GG,						Plant: JCB 3CX		TP		
Client: Crayfern Homes				Trial Pit Length: 2.00m		Trial Pit Width: 0.45m		Scale 1:25		
Dates: 29/05/2020 - 04/06/2020				Level:		Co-ords:		Logged By SW		
Water Strike	Samples & In Situ Testing			Depth (m)	Level (mAOD)	Legend	Stratum Description			
	Depth	Type	Results							
				0.50			Brown slightly gravelly SILT with frequent rootlets. Gravel is sub-angular to sub-rounded fine to medium flint. TOPSOIL			
				1.00			Mottled orangish brown grey slightly gravelly sandy CLAY with occasional rootlets. Gravel is sub-angular to sub-rounded fine flint. RAISED BEACH DEPOSITS			
							End of Pit at 1.000m			
General Remarks:							Sample Type			
CAT & Genny scan prior to excavating. Trial hole excavated using JCB 3CX to 1.00m bgl. Infiltration testing in accordance with BRE DG365:2016 undertaken at 1.00m bgl. Upon completion, trial hole backfilled with arisings. Rootlets noted to 1.00m bgl.							D: Disturbed B: Bulk J: Jar W: Water			
Groundwater Remarks:										

Soakaway Calculations

Soakaway Test No.	TPA test 1
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

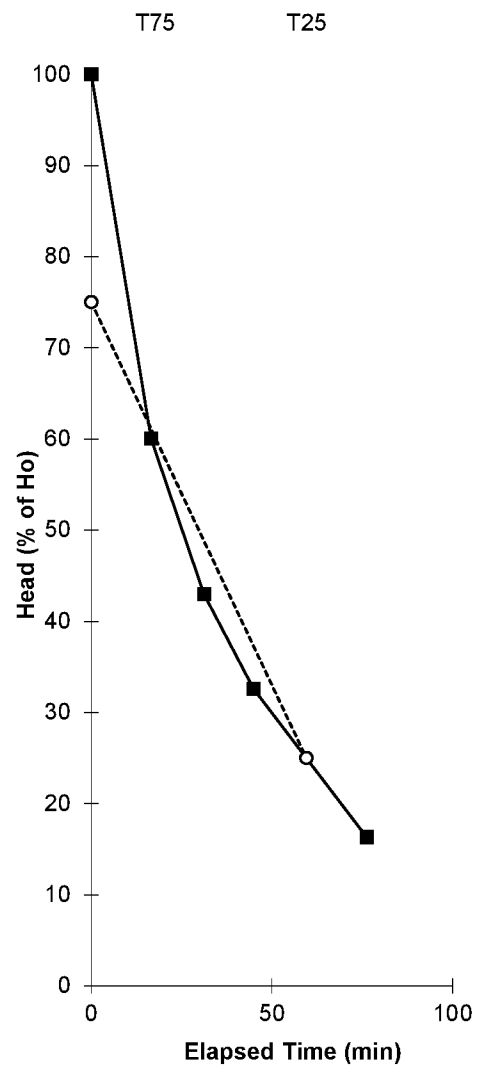
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.50 m
Width of Pit	0.45 m
Length of Pit	2.55 m
Depth of Pit Soaked	1.35 m
ap50	5.1975 m2
Vp75-25	0.23236875 m3
t75-25	59.5 min
water used	0.4647 m3
f	1.252E-05 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.15	0	100	1.35
0.69	16.5	60	0.81
0.92	31.2	43	0.58
1.06	44.9	33	0.44
1.28	76.3	16	0.22



T75	0.000	75
T25	59.520	25
T75-25	59.520	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPA test 2
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

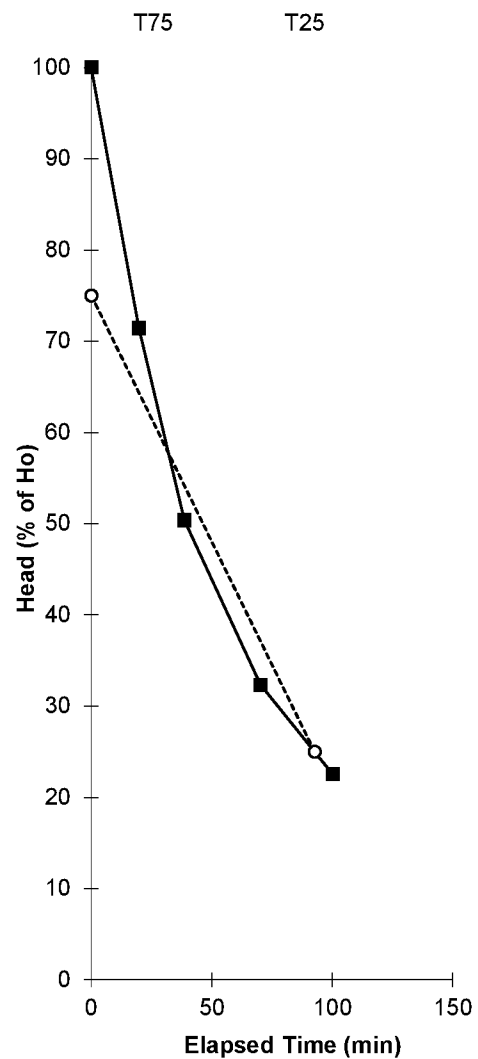
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.50 m
Width of Pit	0.45 m
Length of Pit	2.55 m
Depth of Pit Soaked	1.33 m
ap50	5.1375 m2
Vp75-25	0.22892625 m3
t75-25	92.6 min
water used	1.5262 m3
f	8.019E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.17	0	100	1.33
0.55	19.7	71	0.95
0.83	38.6	50	0.67
1.07	70.3	32	0.43
1.20	100.1	23	0.30



T75	0.000	75
T25	92.615	25
T75-25	92.615	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

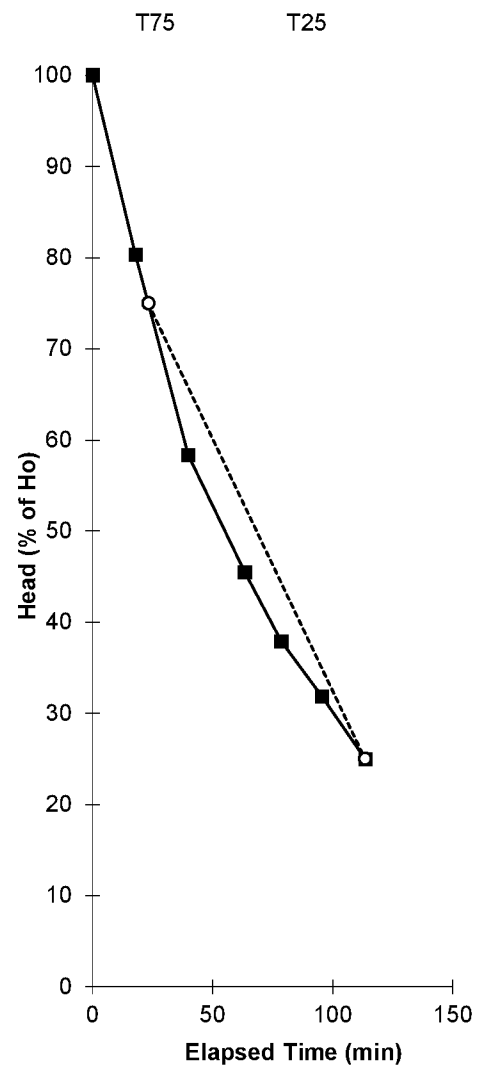
Saskaway Test No.	TPA test 3
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.50 m
Width of Pit	0.45 m
Length of Pit	2.55 m
Depth of Pit Soaked	1.32 m
ap50	5.1075 m2
Vp75-25	0.227205 m3
t75-25	90.3 min
water used	0.4544 m3
i	8.209E-06 m/sec.

Field Data

[illegible]

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPB test 1
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

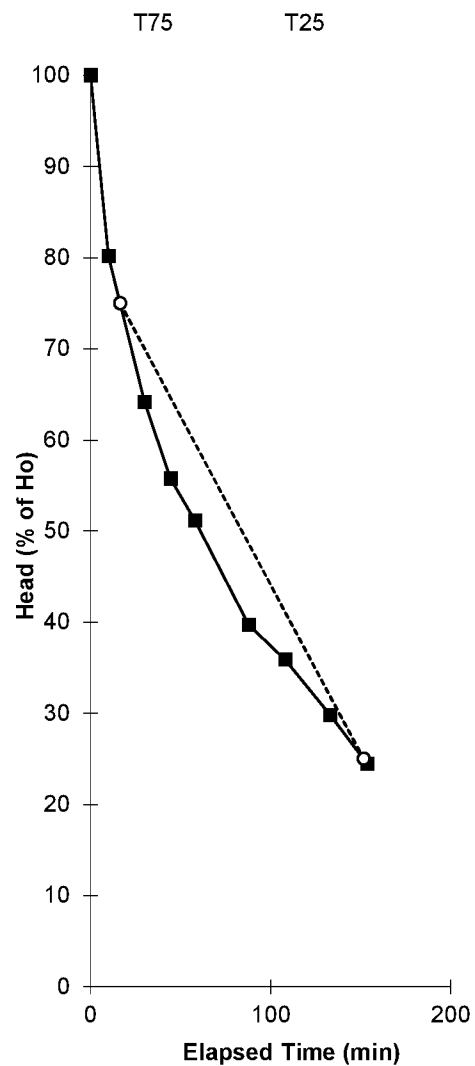
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.55 m
Width of Pit	0.45 m
Length of Pit	2.00 m
Depth of Pit Soaked	1.31 m
ap50	4.1095 m ²
Vp75-25	0.17685 m ³
t75-25	135.2 min
water used	0.3537 m ³
f	5.305E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.24	0	100	1.31
0.50	9.9	80	1.05
0.71	30.0	64	0.84
0.82	44.5	56	0.73
0.88	58.0	51	0.67
1.03	87.8	40	0.52
1.08	108.0	36	0.47
1.16	133.0	30	0.39
1.23	153.8	24	0.32



T75	16.371	75
T25	151.575	25
T75-25	135.203	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPB test 2
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

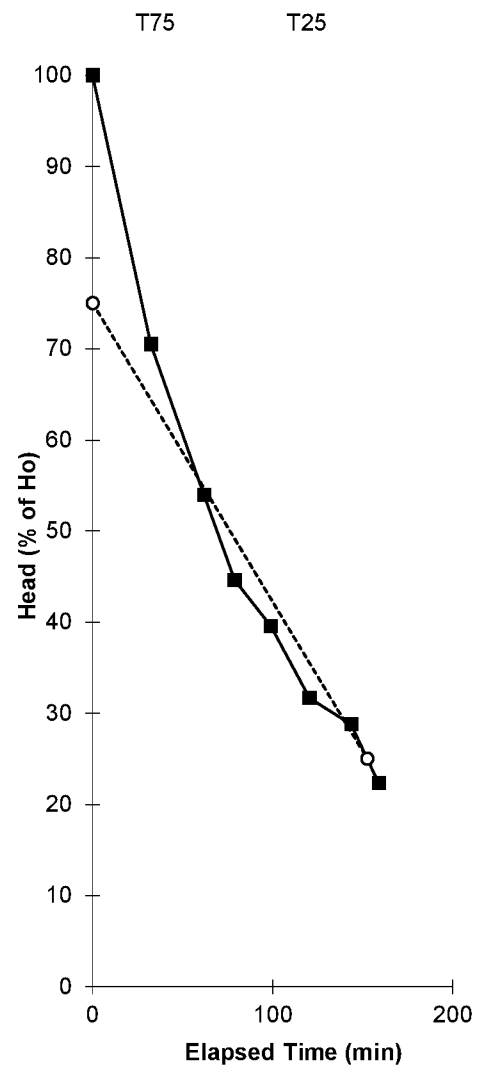
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.55 m
Width of Pit	0.45 m
Length of Pit	2.00 m
Depth of Pit Soaked	1.39 m
ap50	4.3055 m2
Vp75-25	0.18765 m3
t75-25	152.5 min
water used	0.3753 m3
f	4.763E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.16	0	100	1.39
0.57	32.2	71	0.98
0.80	61.9	54	0.75
0.93	78.8	45	0.62
1.00	98.8	40	0.55
1.11	120.5	32	0.44
1.15	143.6	29	0.40
1.24	158.9	22	0.31



T75	0.000	75
T25	152.522	25
T75-25	152.522	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

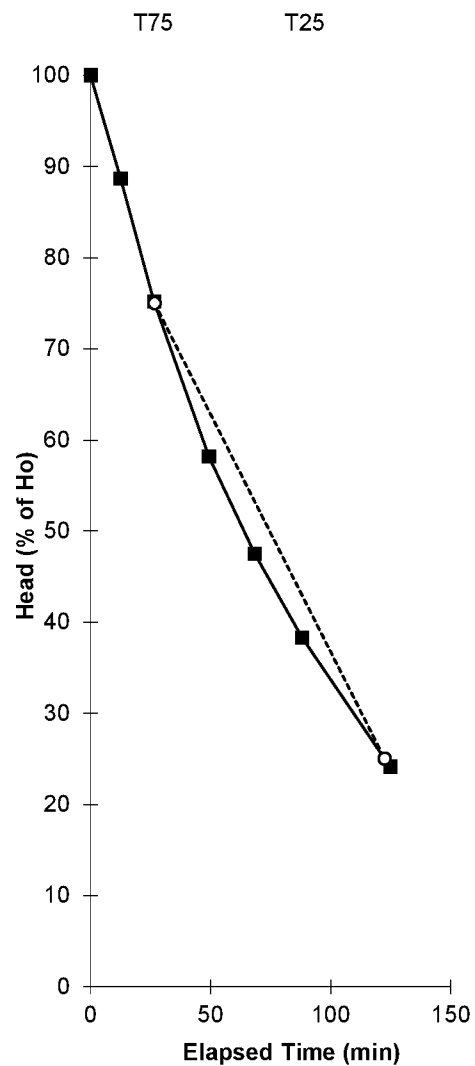
Soskaway Test No.	TPB test 3
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.55 m
Width of Pit	0.45 m
Length of Pit	2.00 m
Depth of Pit Soaked	1.41 m
ap50	4.3545 m2
Vp75-25	0.19035 m3
t75-25	95.9 min
water used	0.3807 m3
i	7.596E-06 m/sec.

Field Data

[illegible]

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPC test 1
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

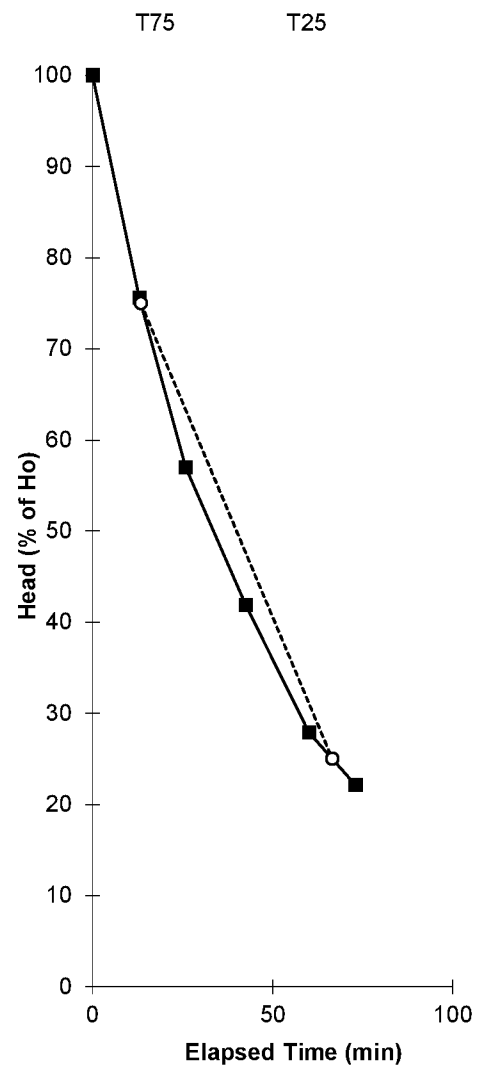
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.25 m
Depth of Pit Soaked	0.86 m
ap50	3.3345 m2
Vp75-25	0.1306125 m3
t75-25	53.2 min
water used	0.2612 m3
f	1.228E-05 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.14	0	100	0.86
0.35	13.0	76	0.65
0.51	25.9	57	0.49
0.64	42.5	42	0.36
0.76	60.1	28	0.24
0.81	73.0	22	0.19



T75	13.373	75
T25	66.535	25
T75-25	53.162	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPC test 2
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

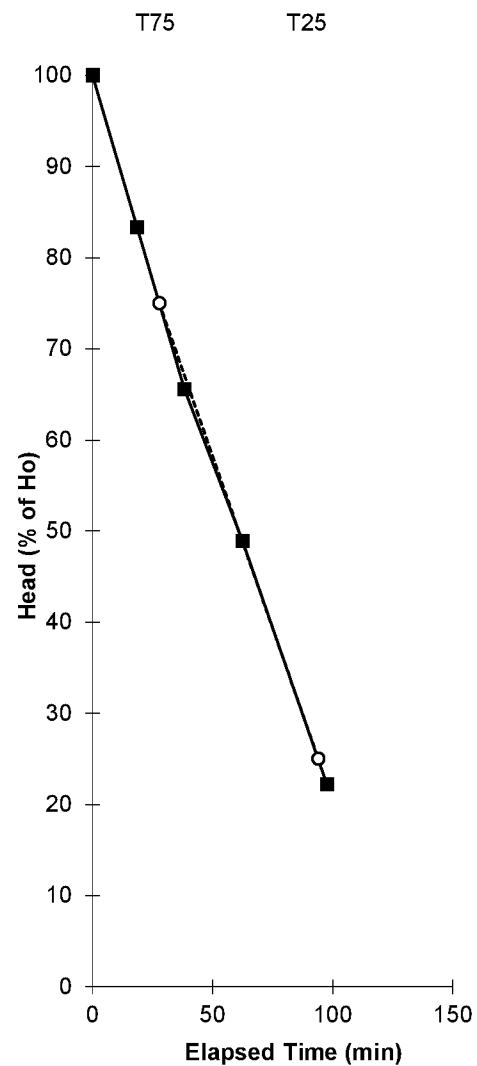
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.25 m
Depth of Pit Soaked	0.90 m
ap50	3.4425 m2
Vp75-25	0.1366875 m3
t75-25	66.2 min
water used	0.2734 m3
f	9.994E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.10	0	100	0.90
0.25	18.5	83	0.75
0.41	38.2	66	0.59
0.56	62.5	49	0.44
0.80	97.6	22	0.20



T75	27.743	75
T25	93.957	25
T75-25	66.214	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

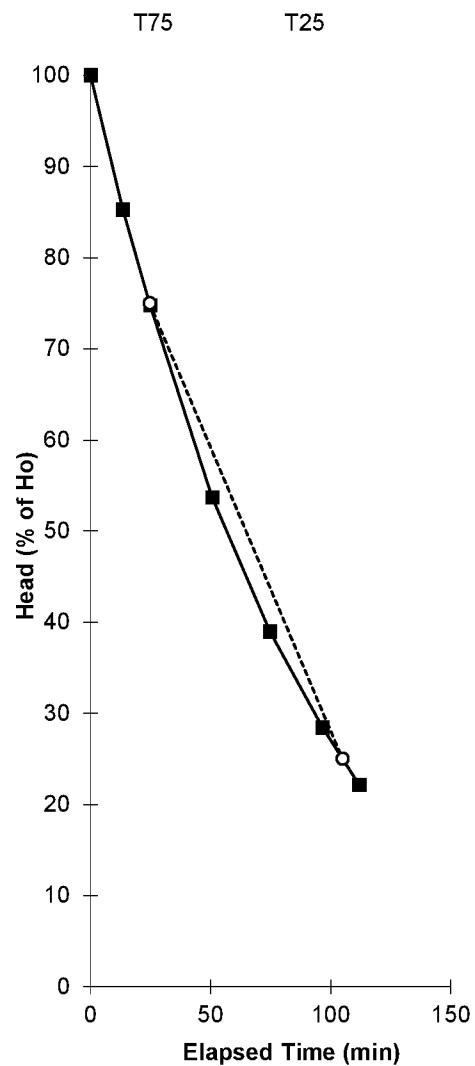
Saskaway Test No.	TPC test 3
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.25 m
Depth of Pit Soaked	0.95 m
ap50	3.5775 m2
Yp75-25	0.14428125 m3
t75-25	80.4 min
water used	0.2886 m3
i	8.363E-06 m/sec.

Field Data

[illegible]

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPD test 1
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

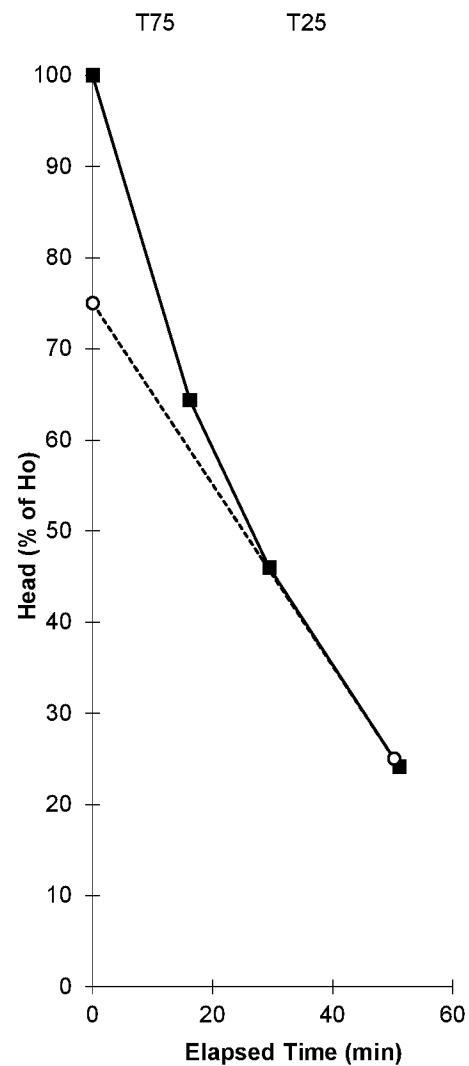
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.25 m
Depth of Pit Soaked	0.87 m
ap50	3.3615 m2
Vp75-25	0.13213125 m3
t75-25	50.2 min
water used	0.2643 m3
f	1.304E-05 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.13	0	100	0.87
0.44	16.2	64	0.56
0.60	29.4	46	0.40
0.79	51.1	24	0.21



Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPD test 2
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

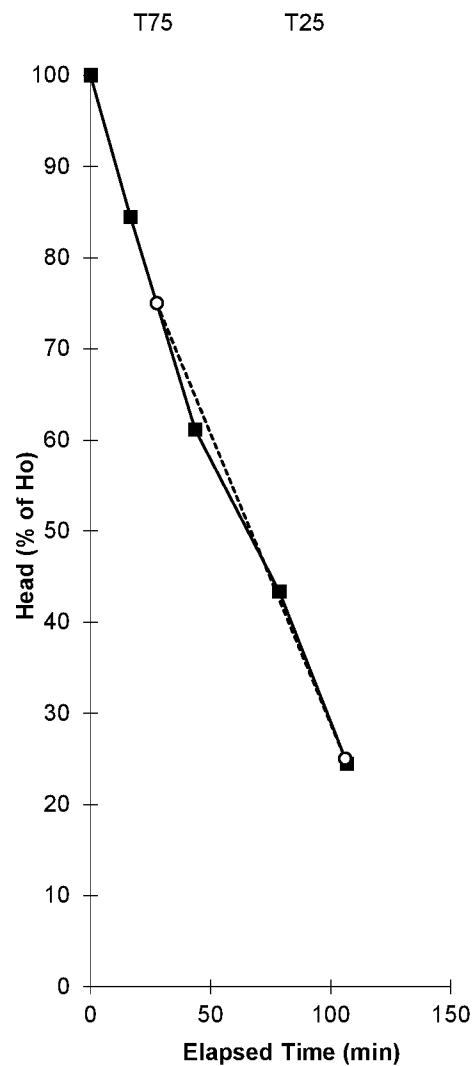
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.25 m
Depth of Pit Soaked	0.90 m
ap50	3.4425 m2
Vp75-25	0.1366875 m3
t75-25	78.5 min
water used	0.2734 m3
f	8.425E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.10	0	100	0.90
0.24	16.6	84	0.76
0.45	43.5	61	0.55
0.61	78.6	43	0.39
0.78	106.9	24	0.22



T75	27.475	75
T25	106.019	25
T75-25	78.544	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

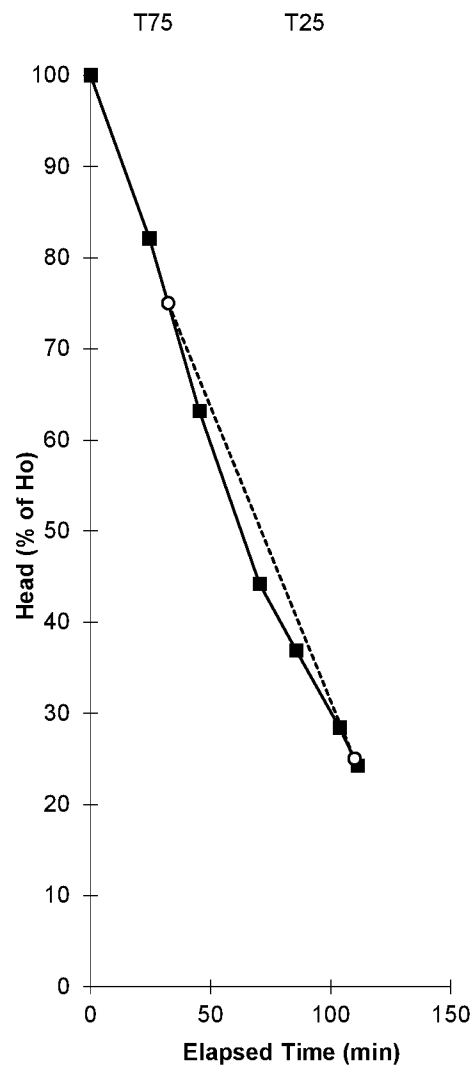
Soskaway Test No.	TPD test 3
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.25 m
Depth of Pit Soaked	0.95 m
ap50	3.5775 m2
Vp75-25	0.14428125 m3
t75-25	77.5 min
water used	0.2886 m3
i	8.670E-06 m/sec.

Field Data

[illegible]

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPE test 1
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

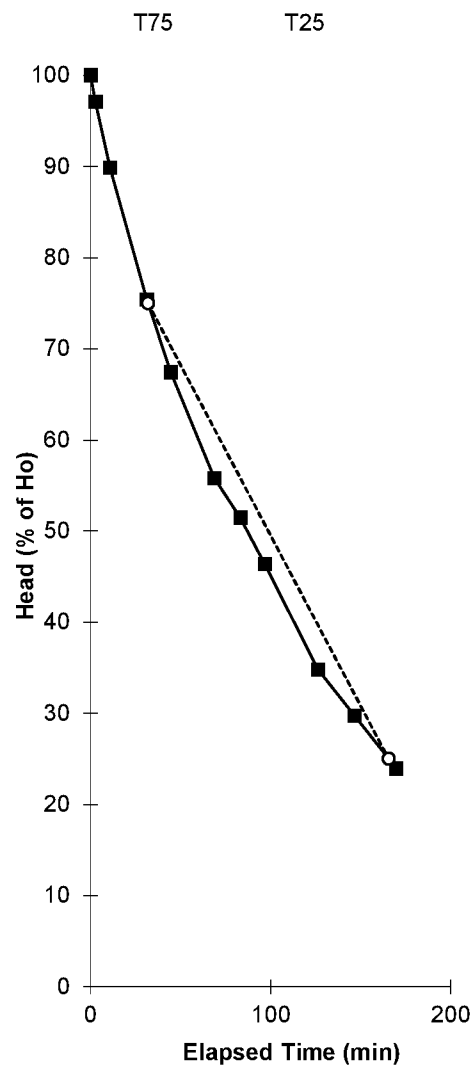
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.50 m
Width of Pit	0.45 m
Length of Pit	2.35 m
Depth of Pit Soaked	1.38 m
ap50	4.9215 m ²
Vp75-25	0.2189025 m ³
t75-25	133.7 min
water used	0.4378 m ³
f	5.546E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.12	0	100	1.38
0.16	2.7	97	1.34
0.26	10.8	90	1.24
0.46	31.2	75	1.04
0.57	44.7	67	0.93
0.73	68.7	56	0.77
0.79	83.2	51	0.71
0.86	96.7	46	0.64
1.02	126.4	35	0.48
1.09	146.7	30	0.41
1.17	169.8	24	0.33



Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPE test 2
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

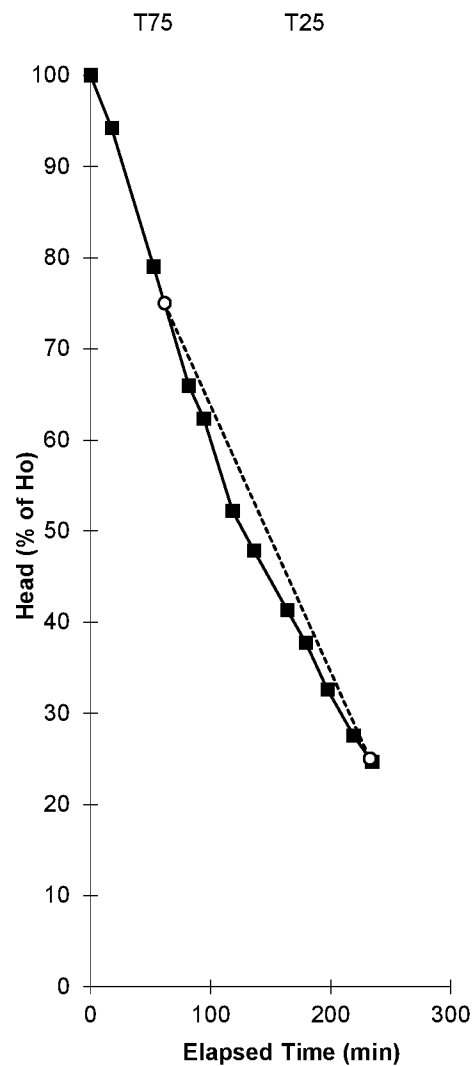
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.50 m
Width of Pit	0.45 m
Length of Pit	2.35 m
Depth of Pit Soaked	1.38 m
ap50	4.9215 m ²
Vp75-25	0.2189025 m ³
t75-25	171.3 min
water used	0.4378 m ³
f	4.328E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.12	0	100	1.38
0.20	17.6	94	1.30
0.41	52.4	79	1.09
0.59	81.8	66	0.91
0.64	94.3	62	0.86
0.78	118.2	52	0.72
0.84	136.2	48	0.66
0.93	164.0	41	0.57
0.98	179.5	38	0.52
1.05	197.2	33	0.45
1.12	219.1	28	0.38
1.16	234.6	25	0.34



Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPE test 3
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

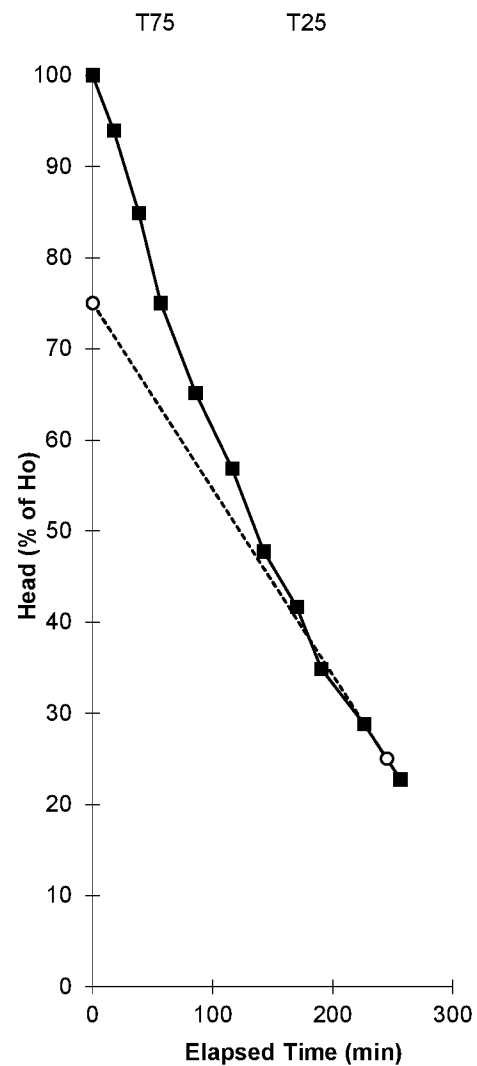
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.50 m
Width of Pit	0.45 m
Length of Pit	2.35 m
Depth of Pit Soaked	1.32 m
ap50	4.7535 m2
Vp75-25	0.209385 m3
t75-25	245.0 min
water used	0.4188 m3
f	2.996E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.18	0	100	1.32
0.26	17.6	94	1.24
0.38	38.4	85	1.12
0.51	56.7	75	0.99
0.64	85.6	65	0.86
0.75	116.3	57	0.75
0.87	142.6	48	0.63
0.95	170.3	42	0.55
1.04	190.6	35	0.46
1.12	226.1	29	0.38
1.20	256.4	23	0.30



T75	0.000	75
T25	245.044	25
T75-25	245.044	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Sockaway Test No.	TPF test 1
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

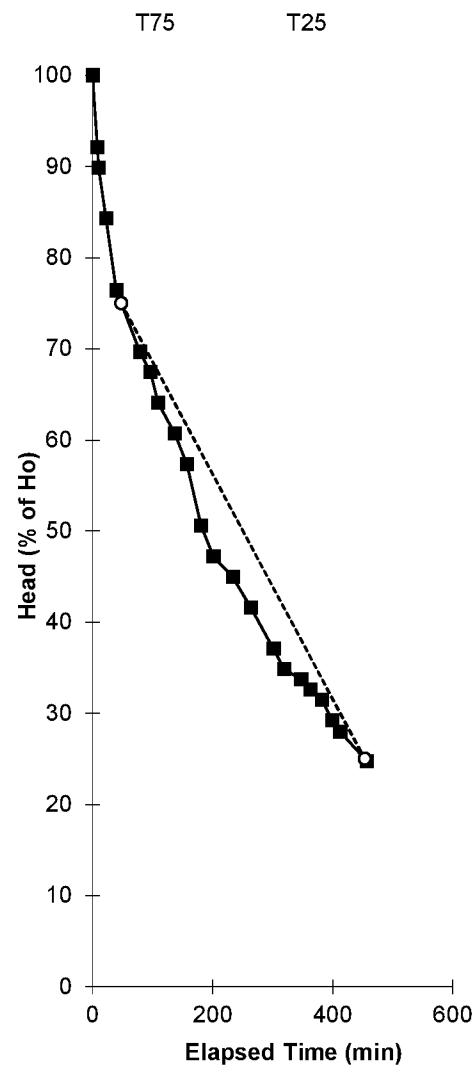
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	1.95 m
Depth of Pit Soaked	0.89 m
ap50	3.0135 m2
Vp75-25	0.11714625 m3
t75-25	405.5 min
water used	0.2343 m3
i	1.598E-06 m/sec.

Field Data

Depth to Water	Elapsed Time	Head of Water	Head of Water
(m)	(min)	(% of Ho)	(m)
0.11	0	100	0.89
0.18	7.4	92	0.82
0.20	9.8	90	0.80
0.25	22.3	84	0.75
0.32	39.5	76	0.68
0.38	78.7	70	0.62
0.40	96.2	67	0.60
0.43	109.2	64	0.57
0.46	136.6	61	0.54
0.49	157.3	57	0.51
0.55	180.6	51	0.45
0.58	201.2	47	0.42
0.6	233.6	45	0.40
0.63	264.1	42	0.37
0.67	301.2	37	0.33
0.69	319.5	35	0.31
0.7	347.3	34	0.30
0.71	362.8	33	0.29
0.72	381.7	31	0.28
0.74	399.4	29	0.26
0.75	412.3	28	0.25
0.78	457.0	25	0.22
T75	47.683	75	
T25	453.147	25	
T75-25	405.464	Derived from Best Fit	



Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing. Data extrapolated (blue) to calc. f . Result must be used with caution.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPF test 2
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

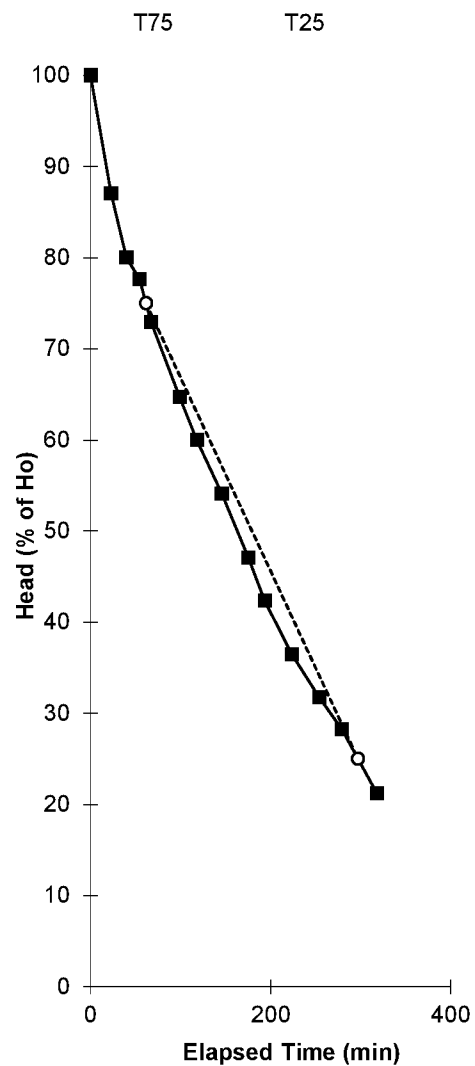
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	1.95 m
Depth of Pit Soaked	0.85 m
ap50	2.9175 m2
Vp75-25	0.11188125 m3
t75-25	235.5 min
water used	0.2238 m3
f	2.714E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.15	0	100	0.85
0.26	22.5	87	0.74
0.32	39.7	80	0.68
0.34	54.4	78	0.66
0.38	67.0	73	0.62
0.45	98.8	65	0.55
0.49	118.1	60	0.51
0.54	145.4	54	0.46
0.60	175.1	47	0.40
0.64	193.3	42	0.36
0.69	223.5	36	0.31
0.73	253.7	32	0.27
0.76	279.0	28	0.24
0.82	318.1	21	0.18



T75	61.456	75
T25	296.922	25
T75-25	235.466	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPF test 3
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

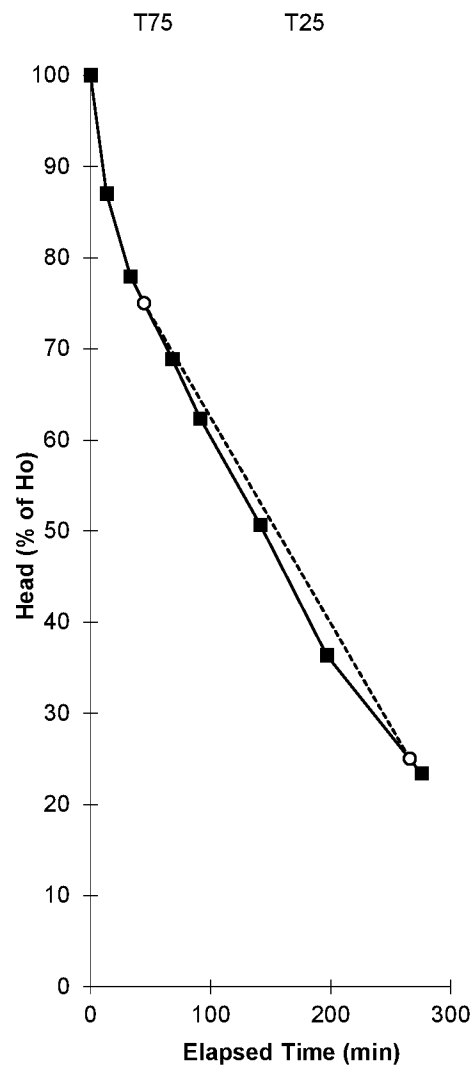
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	1.95 m
Depth of Pit Soaked	0.77 m
ap50	2.7255 m2
Vp75-25	0.10135125 m3
t75-25	221.4 min
water used	0.2027 m3
f	2.799E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.23	0	100	0.77
0.33	13.4	87	0.67
0.40	33.2	78	0.60
0.47	68.2	69	0.53
0.52	91.4	62	0.48
0.61	141.5	51	0.39
0.72	196.8	36	0.28
0.82	275.7	23	0.18



T75	44.411	75
T25	265.850	25
T75-25	221.439	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soskaway Test No.	TPG test 1
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

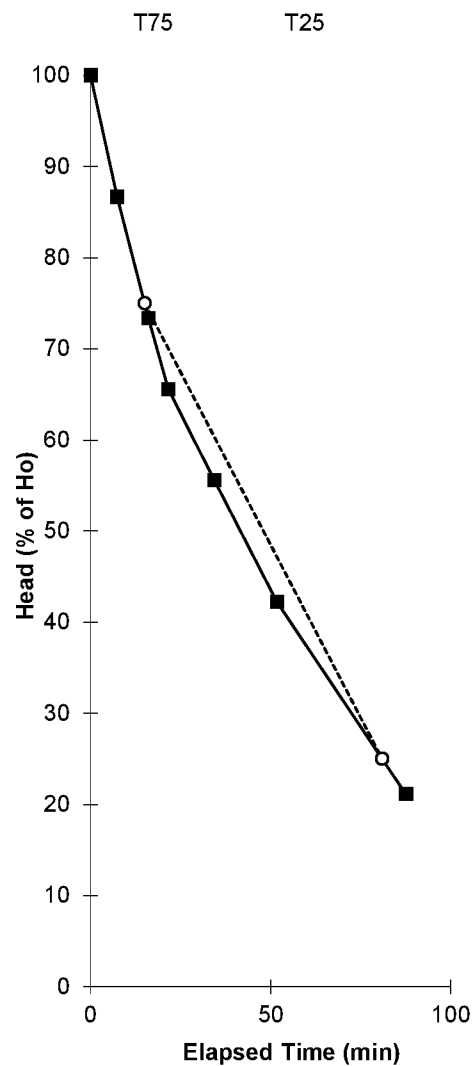
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.05 m
Depth of Pit Soaked	0.90 m
ap50	3.1725 m ²
Yp75-25	0.1245375 m ³
t75-25	66.0 min
water used	0.2491 m ³
i	9.916E-06 m/sec.

Field Data

<i>Depth to Water</i>	<i>Elapsed Time</i>	<i>Head of Water</i>	<i>Head of Water</i>
(m)	(min)	(% of Ho)	(m)
0.10	0	100	0.90
0.22	7.3	87	0.78
0.34	16.1	73	0.66
0.41	21.6	66	0.59
0.50	34.4	56	0.50
0.62	51.8	42	0.38
0.81	87.6	21	0.19
T75	14.975	75	
T25	80.955	25	
T75-25	65.980	Derived from Best Fit	



Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPG test 2
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

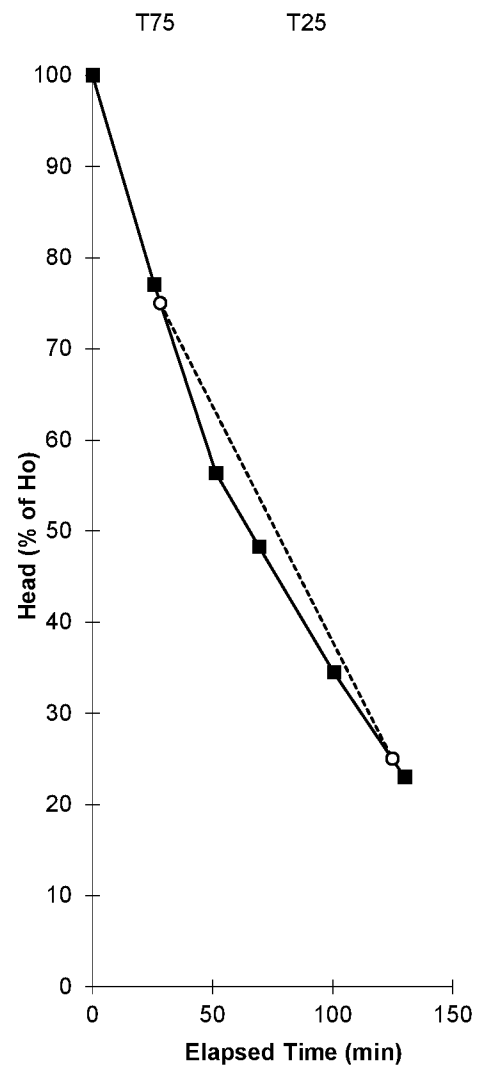
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.05 m
Depth of Pit Soaked	0.87 m
ap50	3.0975 m2
Vp75-25	0.12038625 m3
t75-25	96.7 min
water used	0.2408 m3
f	6.696E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.13	0	100	0.87
0.33	25.6	77	0.67
0.51	51.4	56	0.49
0.58	69.3	48	0.42
0.70	100.5	34	0.30
0.80	130.0	23	0.20



T75	28.108	75
T25	124.840	25
T75-25	96.732	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing. Data extrapolated (blue) to calc. f . Result must be used with caution.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soskaway Test No.	TPG test 3
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

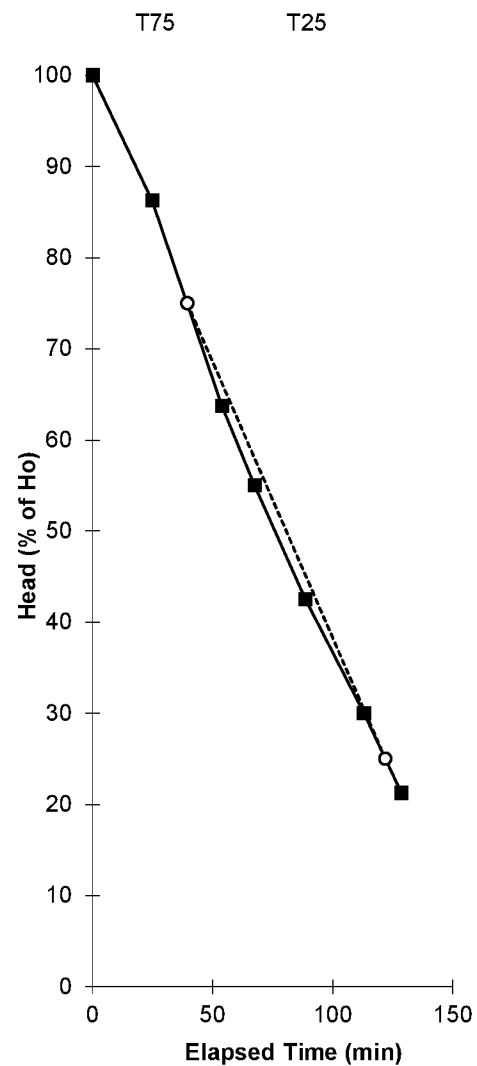
Field Test

Trial Pit Log (include details of groundwater):

See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.05 m
Depth of Pit Soaked	0.80 m
ap50	2.9225 m ²
Vp75-25	0.1107 m ³
t75-25	82.6 min
water used	0.2214 m ³
i	7.647E-06 m/sec.

Field Data

[illegible]

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPH test 1
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

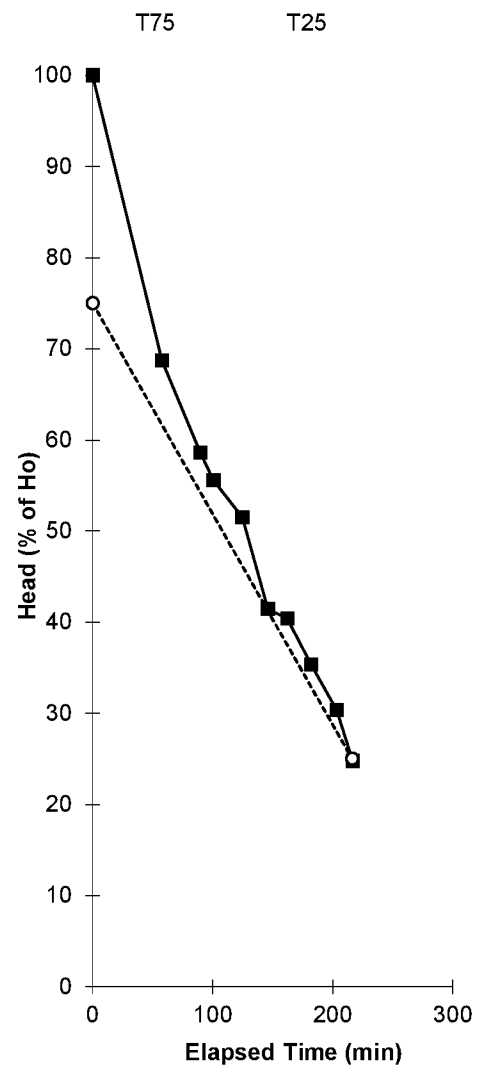
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.00 m
Depth of Pit Soaked	0.99 m
ap50	3.3255 m2
Vp75-25	0.13365 m3
t75-25	216.1 min
water used	0.2673 m3
f	3.099E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.01	0	100	0.99
0.32	57.7	69	0.68
0.42	89.6	59	0.58
0.45	100.6	56	0.55
0.49	124.5	52	0.51
0.59	146.0	41	0.41
0.60	162.0	40	0.40
0.65	181.9	35	0.35
0.70	203.4	30	0.30
0.76	216.8	25	0.25



Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPH test 1
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

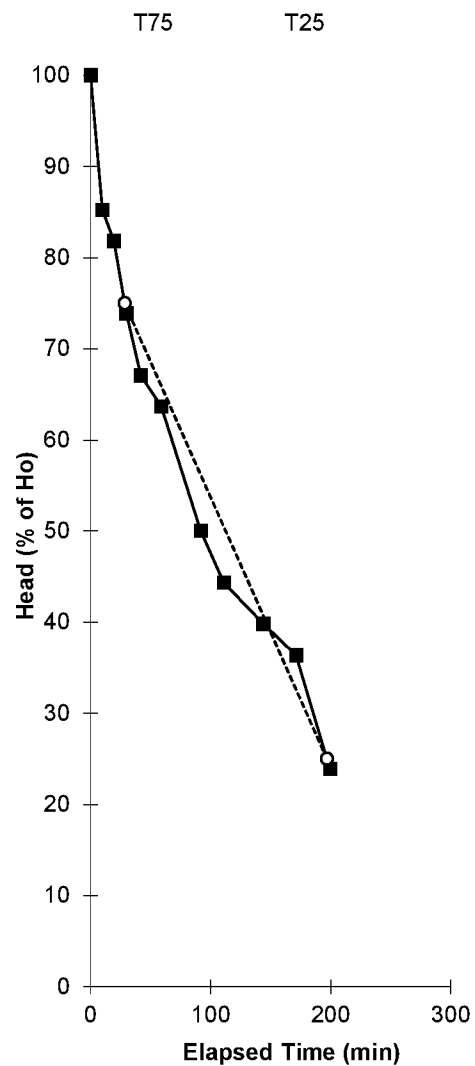
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.00 m
Depth of Pit Soaked	0.88 m
ap50	3.056 m ²
Vp75-25	0.1188 m ³
t75-25	168.6 min
water used	0.2376 m ³
f	3.843E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.12	0	100	0.88
0.25	9.8	85	0.75
0.28	19.4	82	0.72
0.35	29.6	74	0.65
0.41	41.8	67	0.59
0.44	58.9	64	0.56
0.56	91.7	50	0.44
0.61	110.8	44	0.39
0.65	143.9	40	0.35
0.68	171.1	36	0.32
0.79	199.3	24	0.21



T75	28.150	75
T25	196.764	25
T75-25	168.614	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPH test 3
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

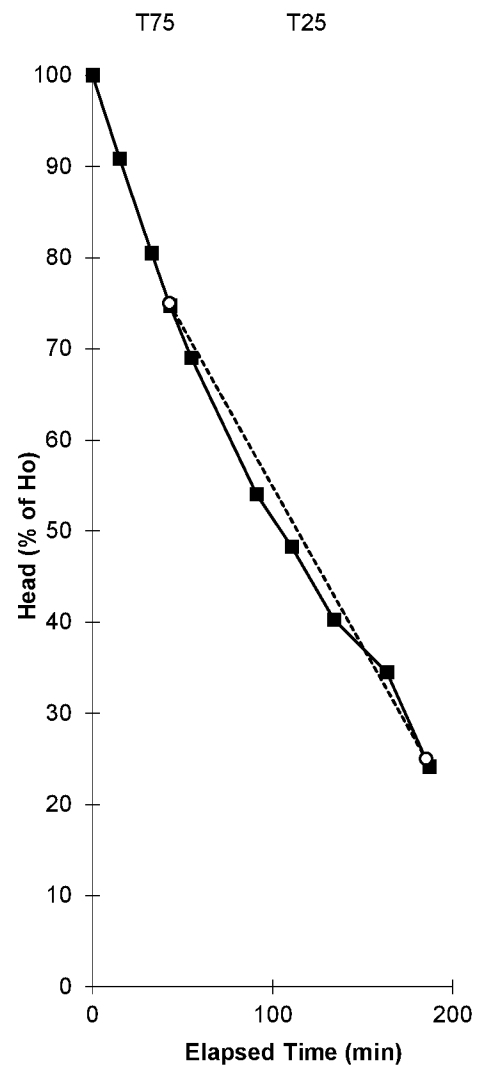
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	2.00 m
Depth of Pit Soaked	0.87 m
ap50	3.0315 m2
Vp75-25	0.11745 m3
t75-25	142.5 min
water used	0.2349 m3
f	4.532E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.13	0	100	0.87
0.21	15.1	91	0.79
0.30	32.7	80	0.70
0.35	43.1	75	0.65
0.40	54.8	69	0.60
0.53	91.1	54	0.47
0.58	110.6	48	0.42
0.65	134.3	40	0.35
0.70	163.5	34	0.30
0.79	187.0	24	0.21



Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing.

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soskaway Test No.	TPI test
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

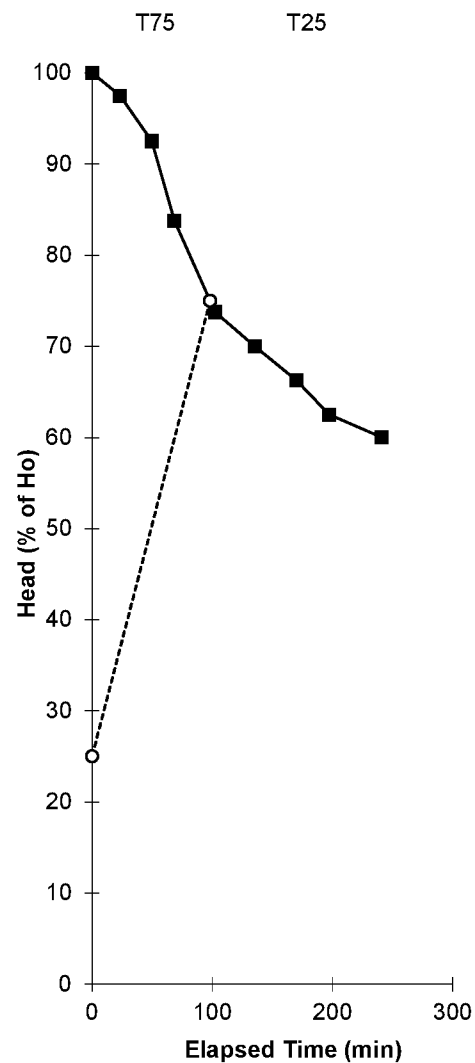
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	1.55 m
Depth of Pit Soaked	0.80 m
ap50	2.2975 m ²
Vp75-25	0.0837 m ³
t75-25	-98.2 min
water used	0.1674 m ³
f	m/sec.

Field Data

Depth to	Elapsed	Head of	Head of
Water	Time	Water	Water
(m)	(min)	(% of Ho)	(m)
0.20	0	100	0.80
0.22	23.2	98	0.78
0.26	49.9	93	0.74
0.33	68.4	84	0.67
0.41	102.4	74	0.59
0.44	135.4	70	0.56
0.47	170.2	66	0.53
0.50	197.2	63	0.50
0.52	240.8	60	0.48



T75	98.177	75
T25	0.000	25
T75-25	-98.177	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing. Test incomplete in time allowed, insufficient fall in head to calculate f .

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Sockaway Test No.	TPI test 2
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

Field Test

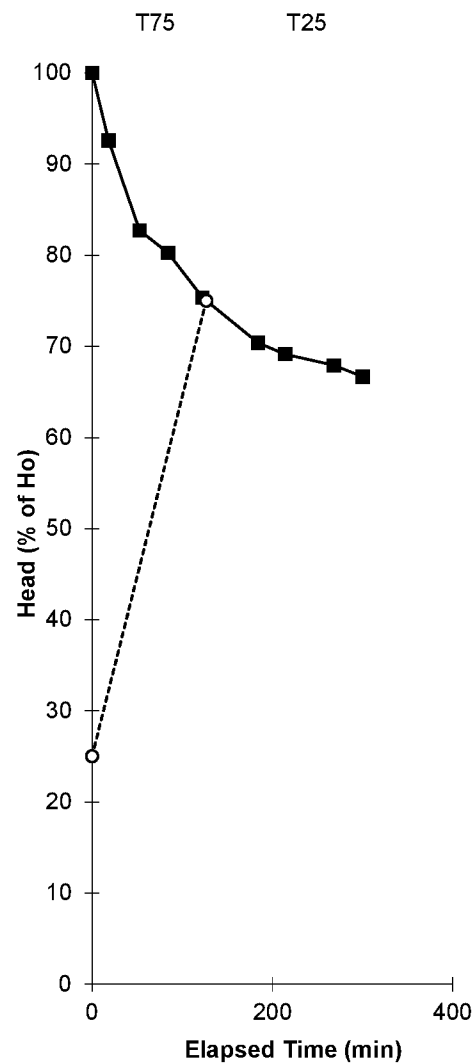
Trial Pit Log (include details of groundwater):

See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	1.55 m
Depth of Pit Soaked	0.81 m
ap50	2.3175 m2
Vp75-25	0.08474625 m3
t75-25	-126.6 min
water used	0.1695 m3
f	m/sec.

Field Data

Depth to	Elapsed	Head of	Head of
Water	Time	Water	Water
(m)	(min)	(% of Ho)	(m)
0.19	0	100	0.81
0.25	18.4	93	0.75
0.33	52.7	83	0.67
0.35	84.4	80	0.65
0.39	122.7	75	0.61
0.43	184.2	70	0.57
0.44	214.4	69	0.56
0.45	268.3	68	0.55
0.46	300.3	67	0.54



T75	126.559	75
T25	0.000	25
T75-25	-126.559	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing. Test incomplete in time allowed, insufficient fall in head to calculate f .

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Sockaway Test No.	TPI test 3
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

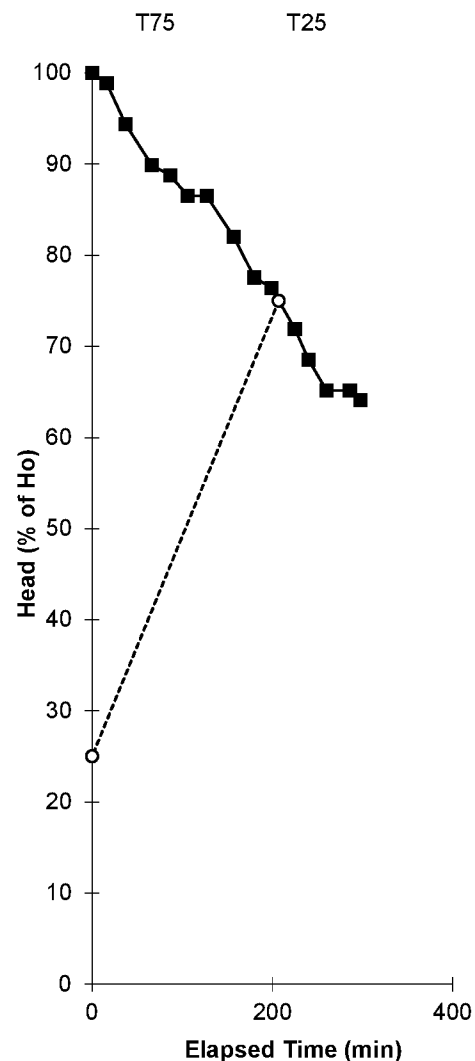
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	1.00 m
Width of Pit	0.45 m
Length of Pit	1.55 m
Depth of Pit Soaked	0.89 m
ap50	2.4775 m2
Vp75-25	0.09311625 m3
t75-25	-207.1 min
water used	0.1862 m3
f	m/sec.

Field Data

<i>Depth to Water</i>	<i>Elapsed Time</i>	<i>Head of Water</i>	<i>Head of Water</i>
(m)	(min)	(% of Ho)	(m)
0.11	0	100	0.89
0.12	16.0	99	0.88
0.16	37.0	94	0.84
0.20	66.0	90	0.80
0.21	87.0	89	0.79
0.23	106.0	87	0.77
0.23	127.0	87	0.77
0.27	157.0	82	0.73
0.31	180.0	78	0.69
0.32	199.0	76	0.68
0.36	225.0	72	0.64
0.39	240.0	69	0.61
0.42	260.0	65	0.58
0.42	286.0	65	0.58
0.43	298.0	64	0.57
T75	207.125	75	
T25	0.000	25	
T75-25	-207.125	Derived from Best Fit	



Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing. Test incomplete in time allowed, insufficient fall in head to calculate f .

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPJ test 1
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

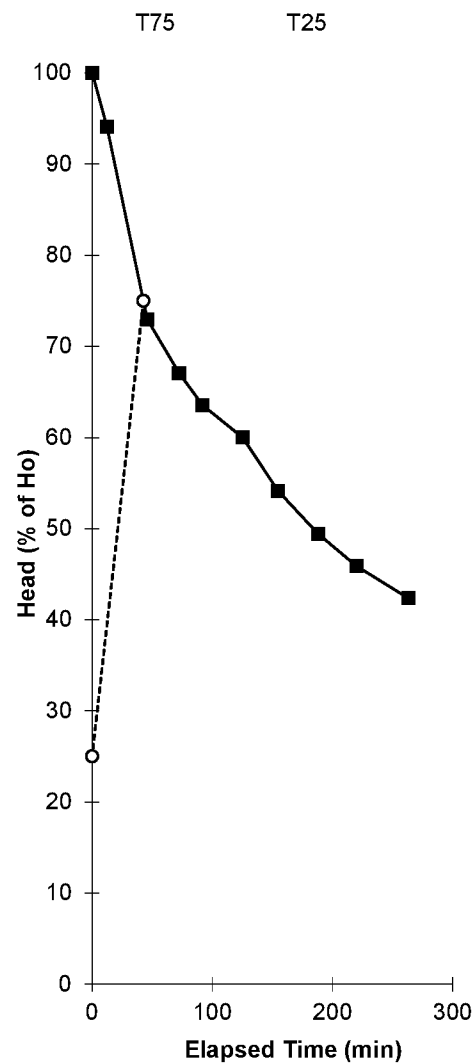
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	0.95 m
Width of Pit	0.45 m
Length of Pit	1.55 m
Depth of Pit Soaked	0.85 m
ap50	2.3975 m2
Vp75-25	0.08893125 m3
t75-25	-42.8 min
water used	0.1779 m3
f	m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.10	0	100	0.85
0.15	12.4	94	0.80
0.33	46.0	73	0.62
0.38	72.4	67	0.57
0.41	92.1	64	0.54
0.44	125.3	60	0.51
0.49	154.7	54	0.46
0.53	187.9	49	0.42
0.56	219.9	46	0.39
0.59	263.3	42	0.36



T75	42.762	75
T25	0.000	25
T75-25	-42.762	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing. Test incomplete in time allowed, insufficient fall in head to calculate f .

SOILS LIMITED

Newton House, Cross Road, Tadworth
Surrey, KT20 5SR

Soakaway Calculations

Soakaway Test No.	TPJ test 2
Contract:	Land at Church Lane, Horsmere Green Lane, Climping
Contract No.	17830

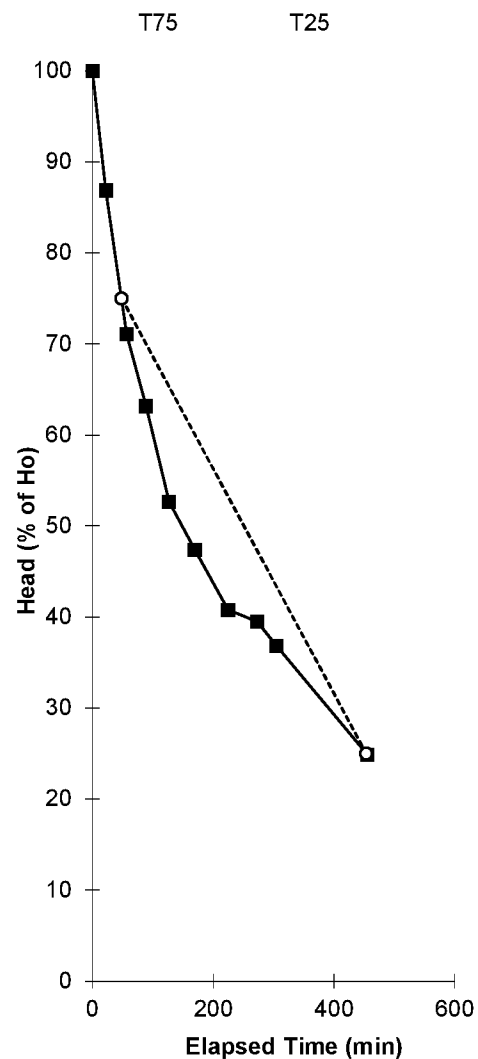
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	0.95 m
Width of Pit	0.45 m
Length of Pit	1.55 m
Depth of Pit Soaked	0.76 m
ap50	2.2175 m ²
Vp75-25	0.079515 m ³
t75-25	405.1 min
water used	0.1590 m ³
f	1.475E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.19	0	100	0.76
0.29	22.4	87	0.66
0.41	56.9	71	0.54
0.47	89.1	63	0.48
0.55	126.9	53	0.40
0.59	169.7	47	0.36
0.64	224.5	41	0.31
0.65	273.0	39	0.30
0.67	304.9	37	0.28
0.76	455.0	25	0.19



T75	48.296	75
T25	453.351	25
T75-25	405.055	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing. Data extrapolated (blue) to calc. *f*. Result must be used with caution.

SOILS LIMITED

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Soakaway Calculations

Soakaway Test No.	TPJ test 3
Contract:	Land at Church Lane, Horsemere Green Lane, Climping
Contract No.	17830

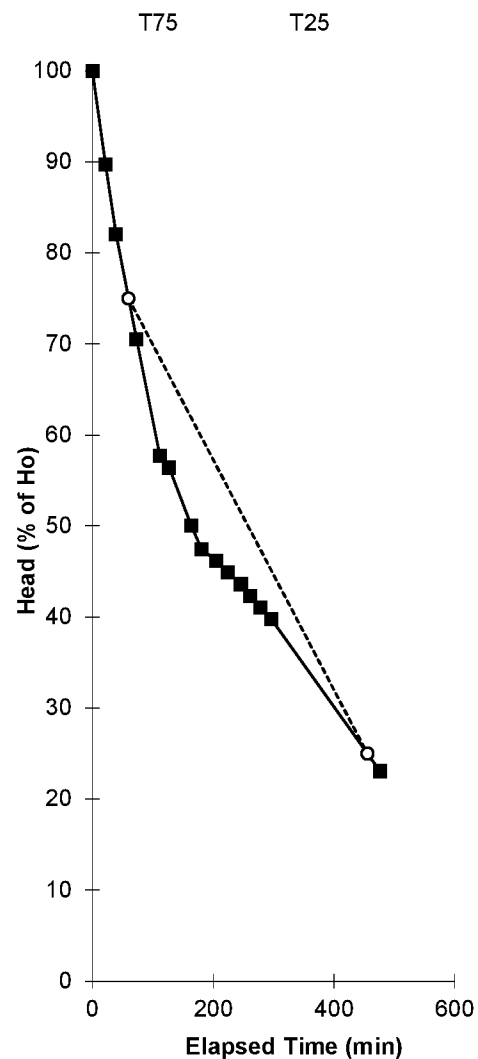
Field Test

Trial Pit Log (include details of groundwater):
See trial Pit record

Depth of Pit	0.95 m
Width of Pit	0.45 m
Length of Pit	1.55 m
Depth of Pit Soaked	0.78 m
ap50	2.2575 m ²
Vp75-25	0.0816075 m ³
t75-25	395.5 min
water used	0.1632 m ³
f	1.524E-06 m/sec.

Field Data

Depth to Water (m)	Elapsed Time (min)	Head of Water (% of Ho)	Head of Water (m)
0.17	0	100	0.78
0.25	22.0	90	0.70
0.31	39.0	82	0.64
0.40	73.0	71	0.55
0.50	112.0	58	0.45
0.51	127.0	56	0.44
0.56	164.0	50	0.39
0.58	181.0	47	0.37
0.59	205.0	46	0.36
0.60	224.0	45	0.35
0.61	246.0	44	0.34
0.62	261.0	42	0.33
0.63	278.0	41	0.32
0.64	296.0	40	0.31
0.77	476.0	23	0.18



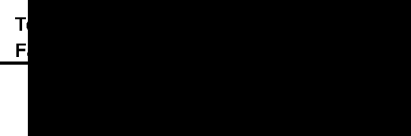
T75	59.778	75
T25	455.231	25
T75-25	395.453	Derived from Best Fit

Comments

Trial pit excavated with a JCB 3CX and backfilled with granular materials (40mm) to prevent collapse during testing. Data extrapolated (blue) to calc. f . Result must be used with caution.

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Appendix D Winter Groundwater Monitoring Results



Borehole	GW Level (m bgl)				
	Sep	Oct	Nov	Dec	Jan
WS101	3.97	3.42	2.70	2.02	2.17
WS103	4.25	4.00	3.28	2.24	2.61
WS107	3.44	3.07	1.91	0.56	0.67
WS114	3.45	3.24	2.00	0.22	0.20
WS115		4.20	3.36	1.53	1.53