

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 41		
Date: 22/01/2019		
View of TP220		
Photo No. 42		
Date: 23/01/2019		
Facing east, view of TP221 and arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 43		
Date: 23/01/2019		
Downhole view of TP221 during soakage test		
Photo No. 44		
Date: 23/01/2019		
Facing southeast, view of TP222		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 45		
Date: 23/01/2019		
Downhole view of TP222		
Photo No. 46		
Date: 23/01/2019		
Facing south, view of TP223		

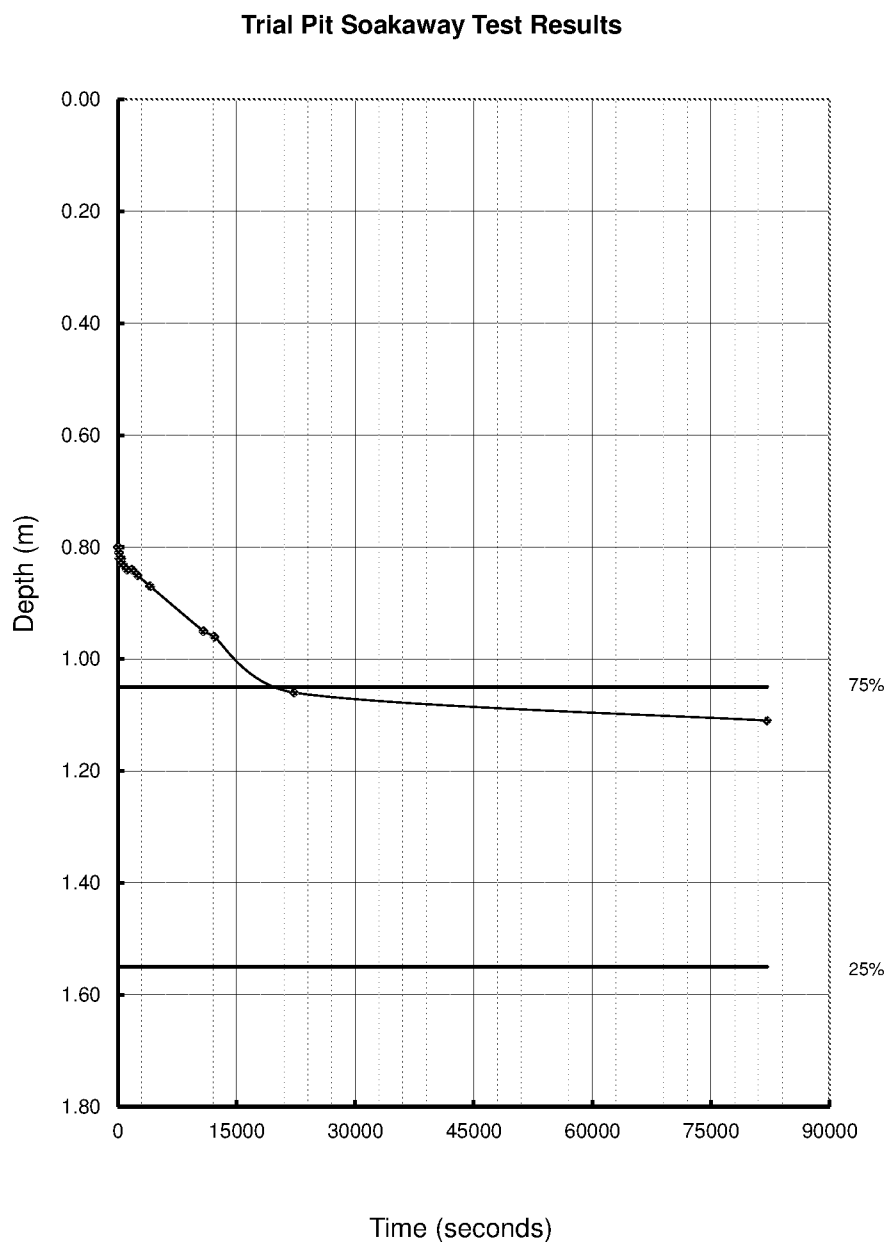
PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 47		
Date: 23/01/2019		
Downhole view of TP223		

APPENDIX D

TRIAL PIT SOAKAWAY TEST DATA

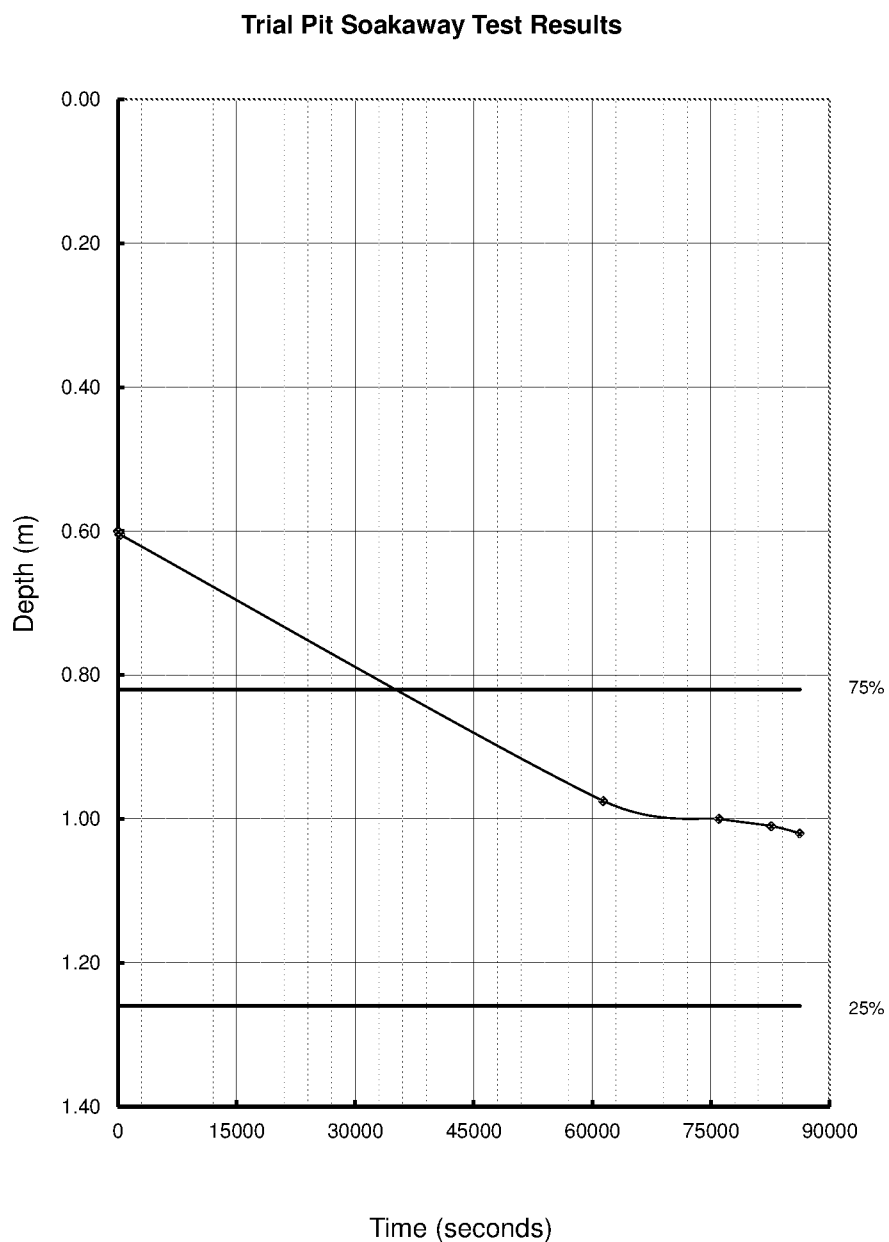
05035 L01 (00) DRAFT

Location	TP201	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.20
Job number	305035	Width of trial pit (m)	0.45
Test date	21 January 2019	Water level at start (mbgl)	0.80
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.80
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.80

[illegible]

Results		Comments
Vp 75-25 (m3)	0.495	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	3.64	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Location	TP202	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.15
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.60
Operator	Edward Hughes-Phillips 27-Feb-19	Depth to base of trial pit (mbgl)	1.48
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	1.48

[illegible]

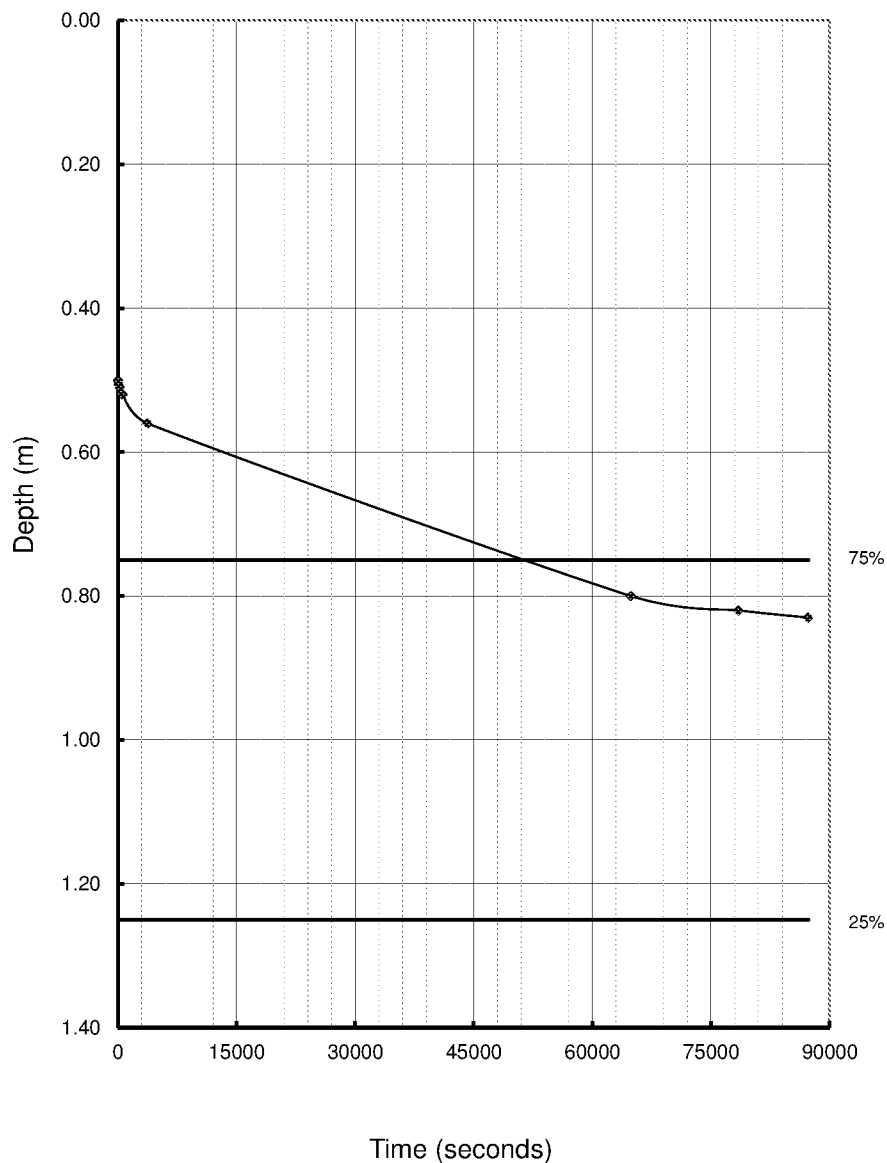
Results		Comments
Vp 75-25 (m3)	0.57	1. Groundwater at 1.60 m prior to soakaway test.
ap 50 (m2)	3.71	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ



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[illegible]

Trial Pit Soakaway Test Results



Results

Comments

1. Groundwater at 1.50 m prior to soakaway test.

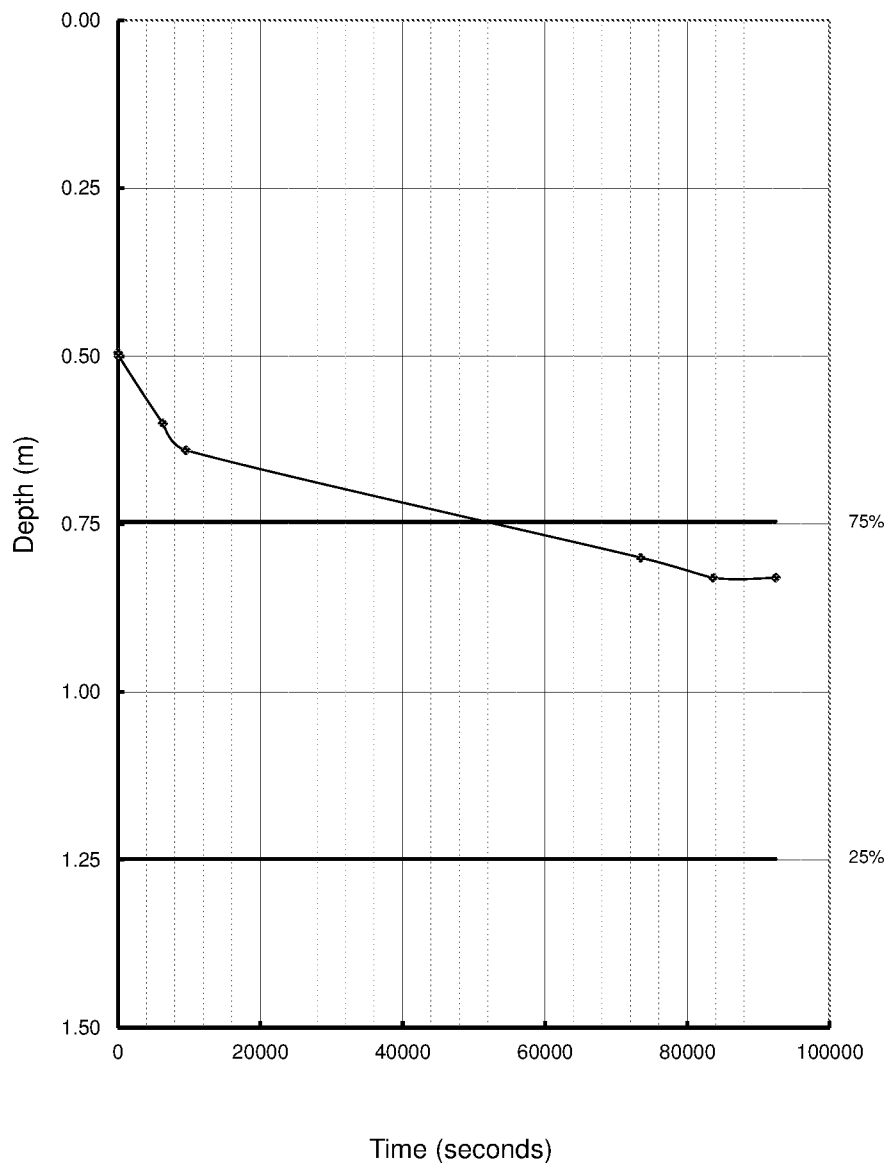
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ



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[illegible]

Trial Pit Soakaway Test Results



Results

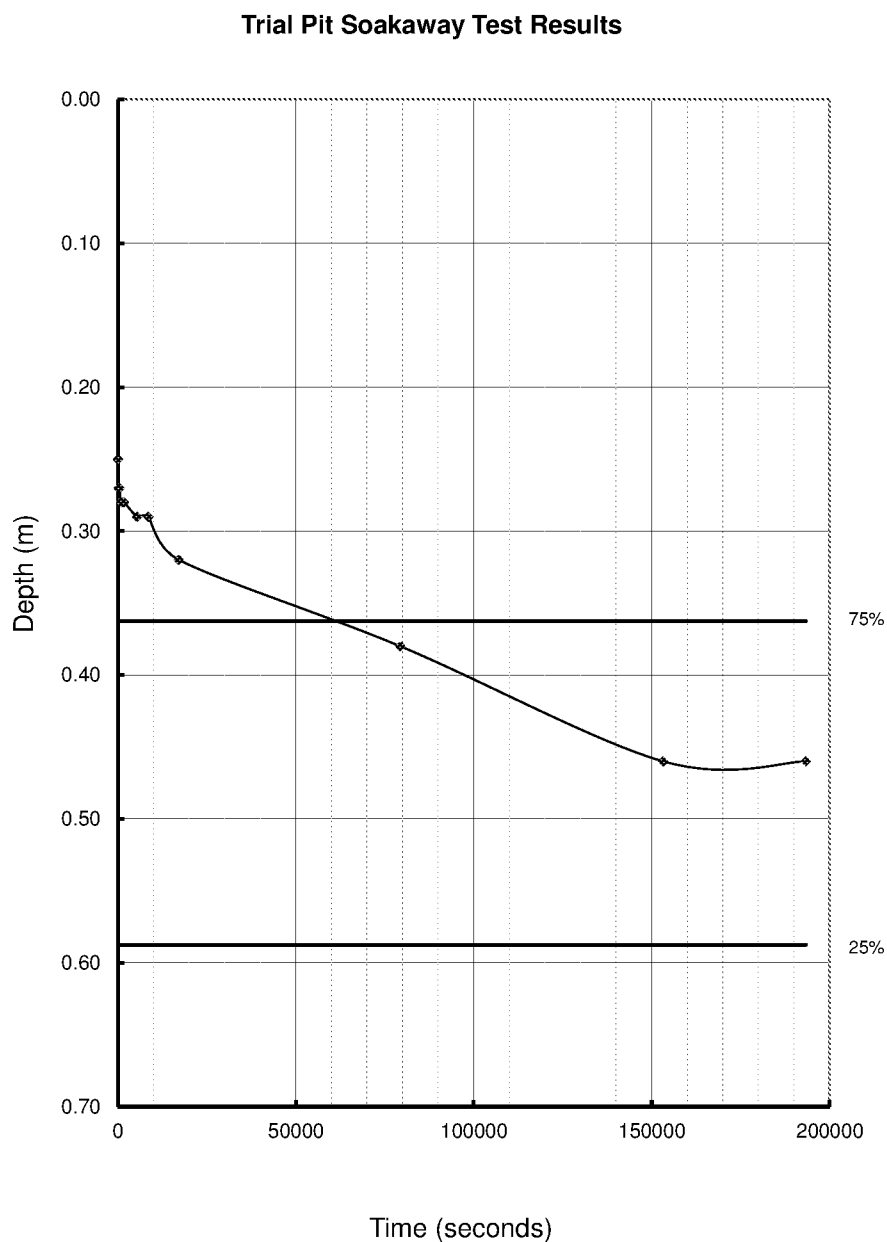
Vp 75-25 (m3)	0.69
ap 50 (m2)	4.29
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments

1. Groundwater at 1.45 m prior to soakaway test.

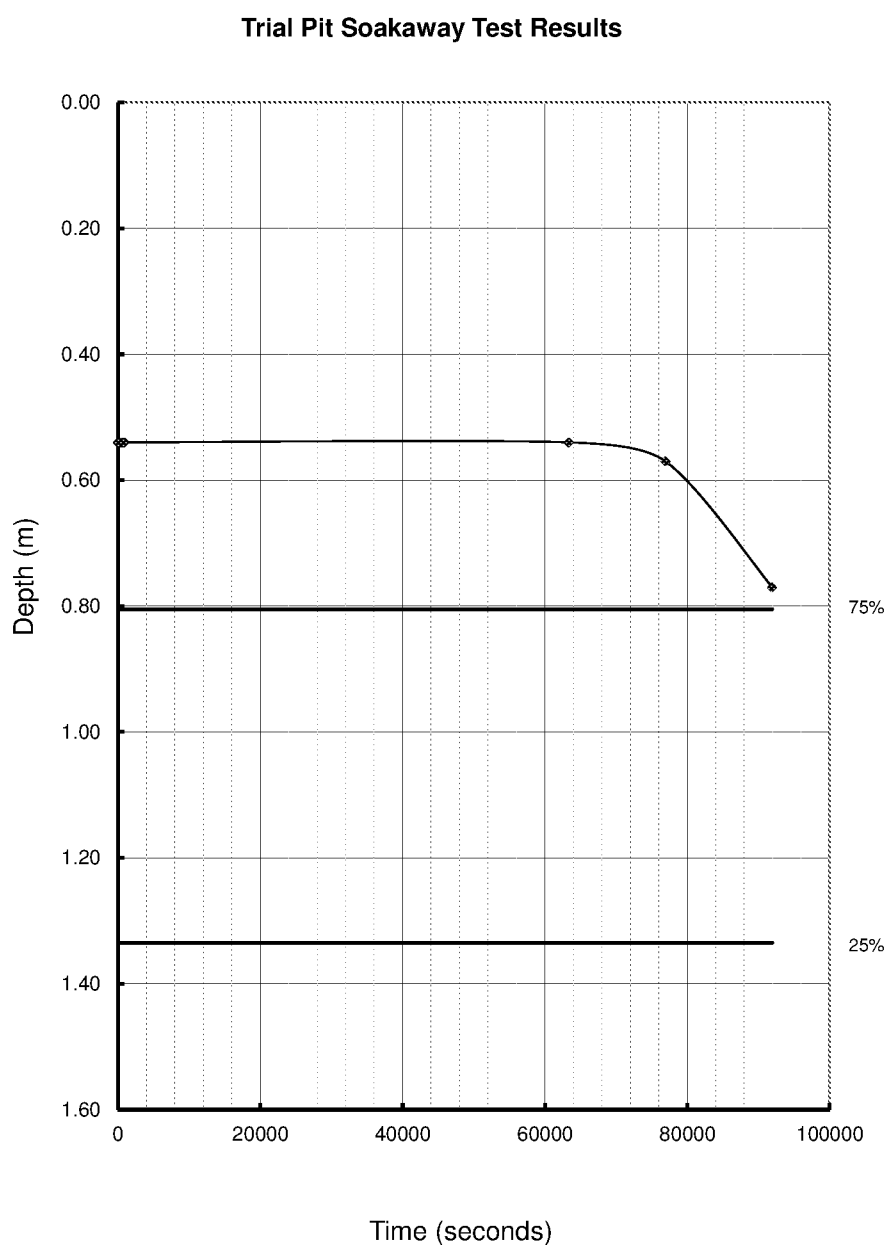
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ

Location	TP206	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.80
Job number	305035	Width of trial pit (m)	1.00
Test date	21 January 2019	Water level at start (mbgl)	0.25
Operator	Edward Hughes-Phillips 27-Feb-19	Depth to base of trial pit (mbgl)	0.70
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	0.70

[illegible]

Results		Comments
Vp 75-25 (m3)	0.63	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	4.51	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey, SO51 9AQ

Location	TP207	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.40
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.54
Operator	Edward Hughes-Phillips	Depth to base of trial pit (mbgl)	1.60
Checked by	Kirsten Fairall	Depth of pit at end of test (mbgl)	1.20

[illegible]

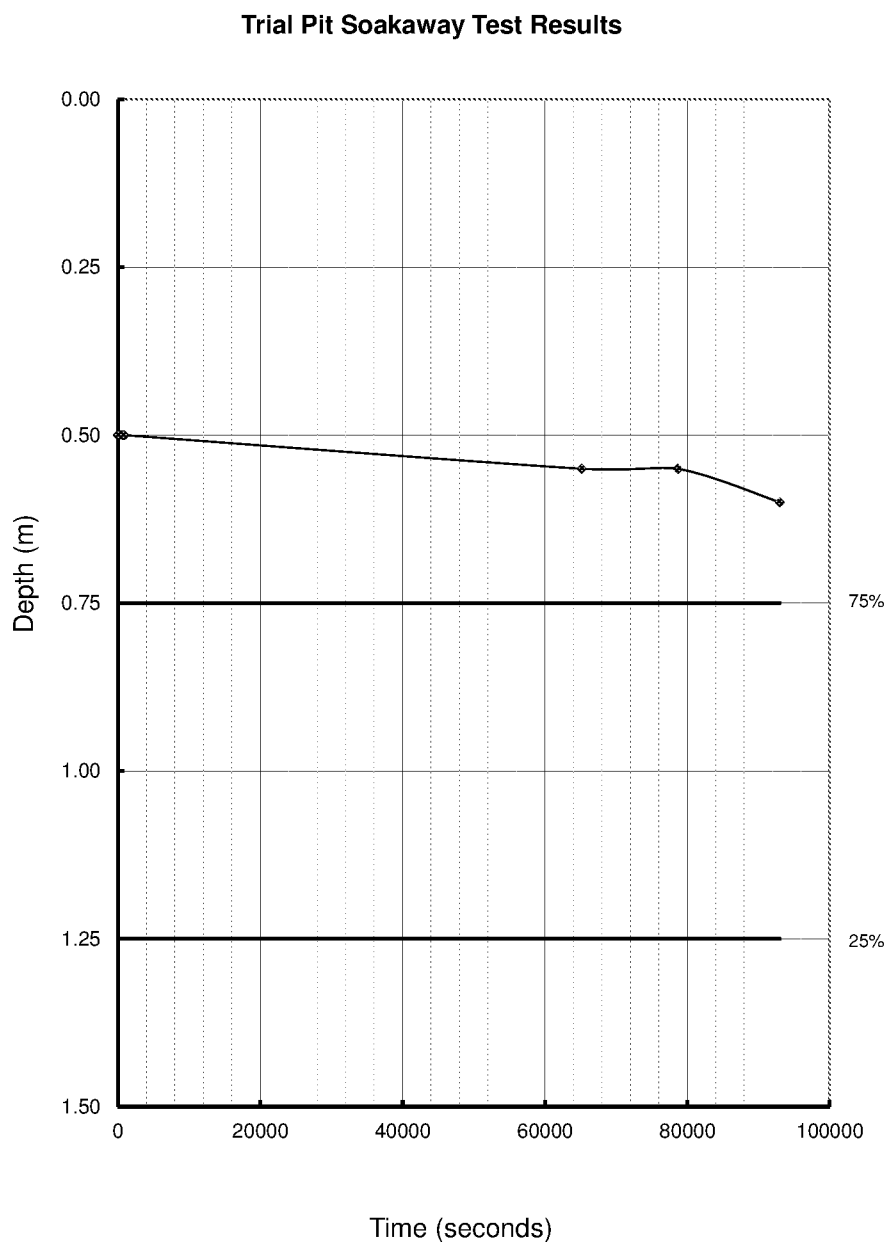
Results	
Vp 75-25 (m3)	0.57
ap 50 (m2)	4.10
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

1. Trial pit dry prior to soakaway test.

RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ



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[illegible]

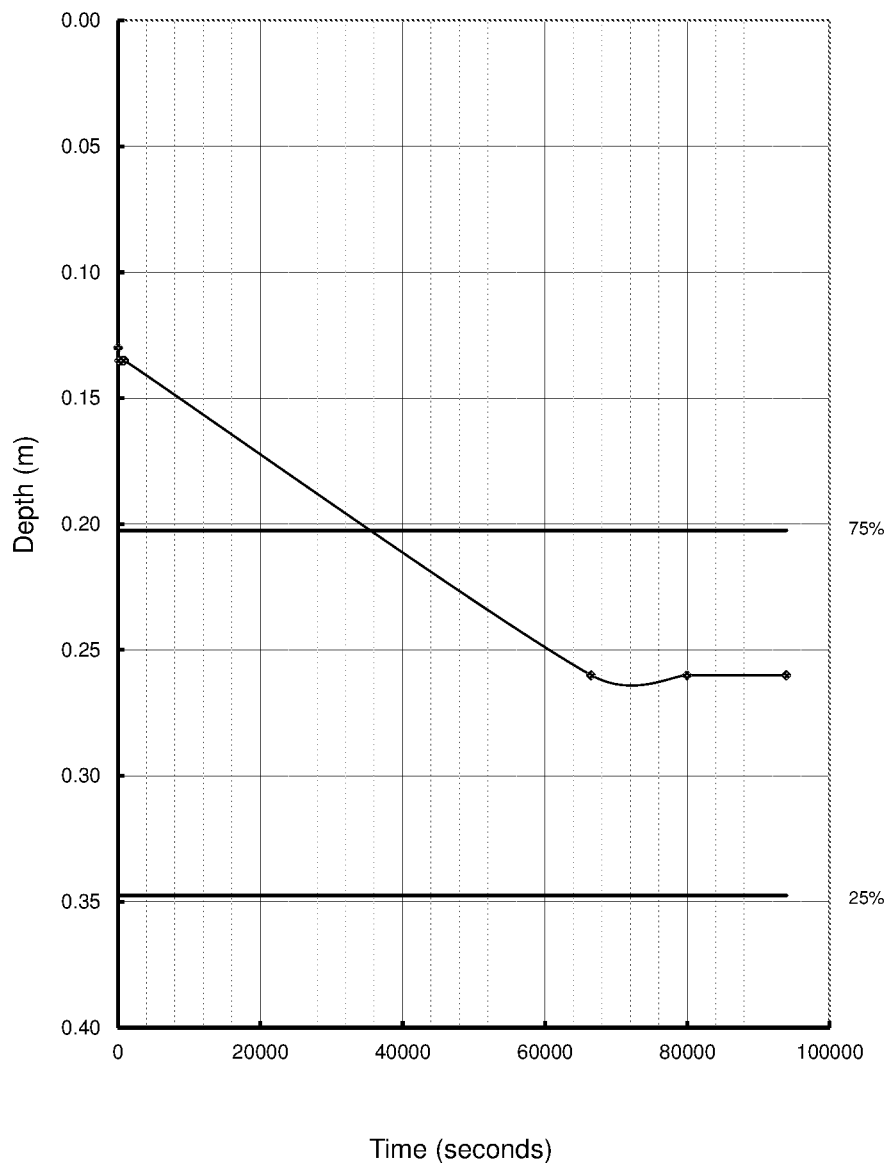
Results		Comments
Vp 75-25 (m3)	0.54	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	3.93	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey, SO51 9AQ



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[illegible]

Trial Pit Soakaway Test Results



Results

Comments

1. Trial pit dry prior to soakaway test.

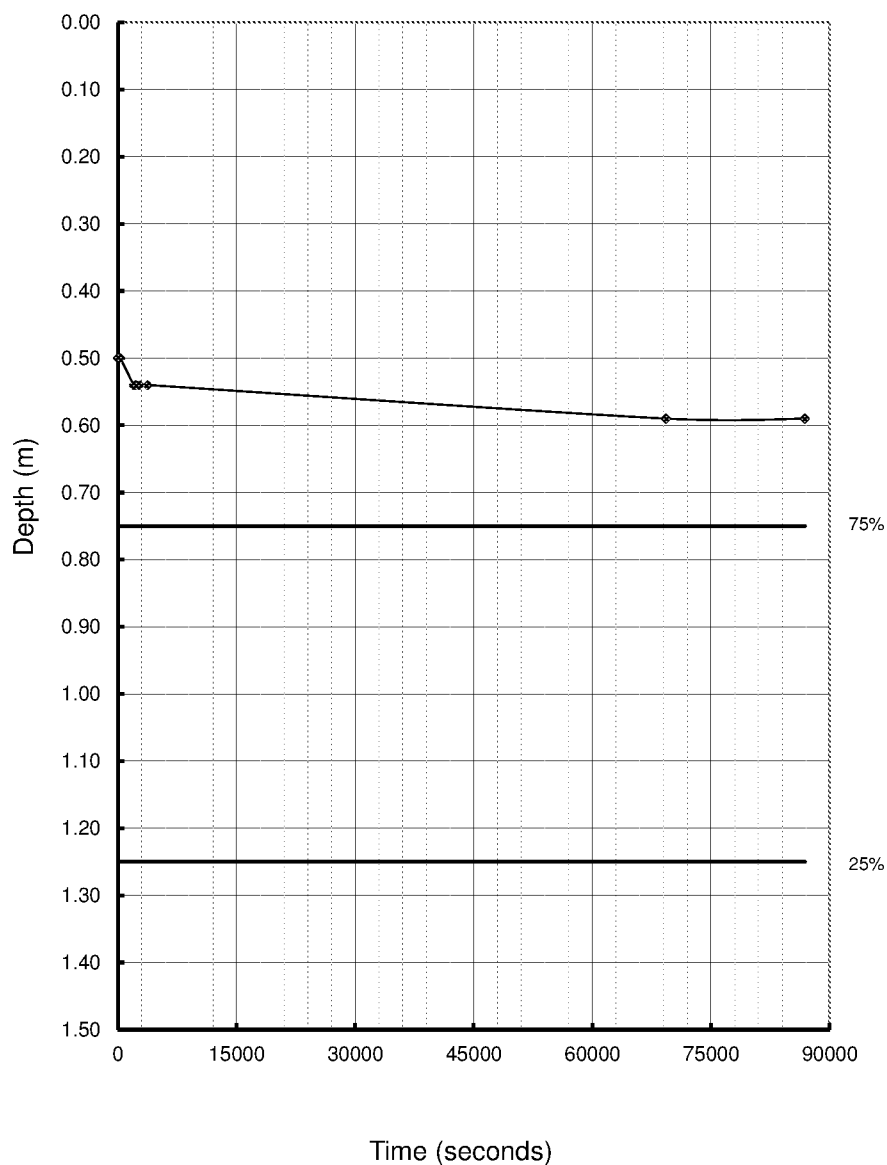
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ



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[illegible]

Trial Pit Soakaway Test Results



Results

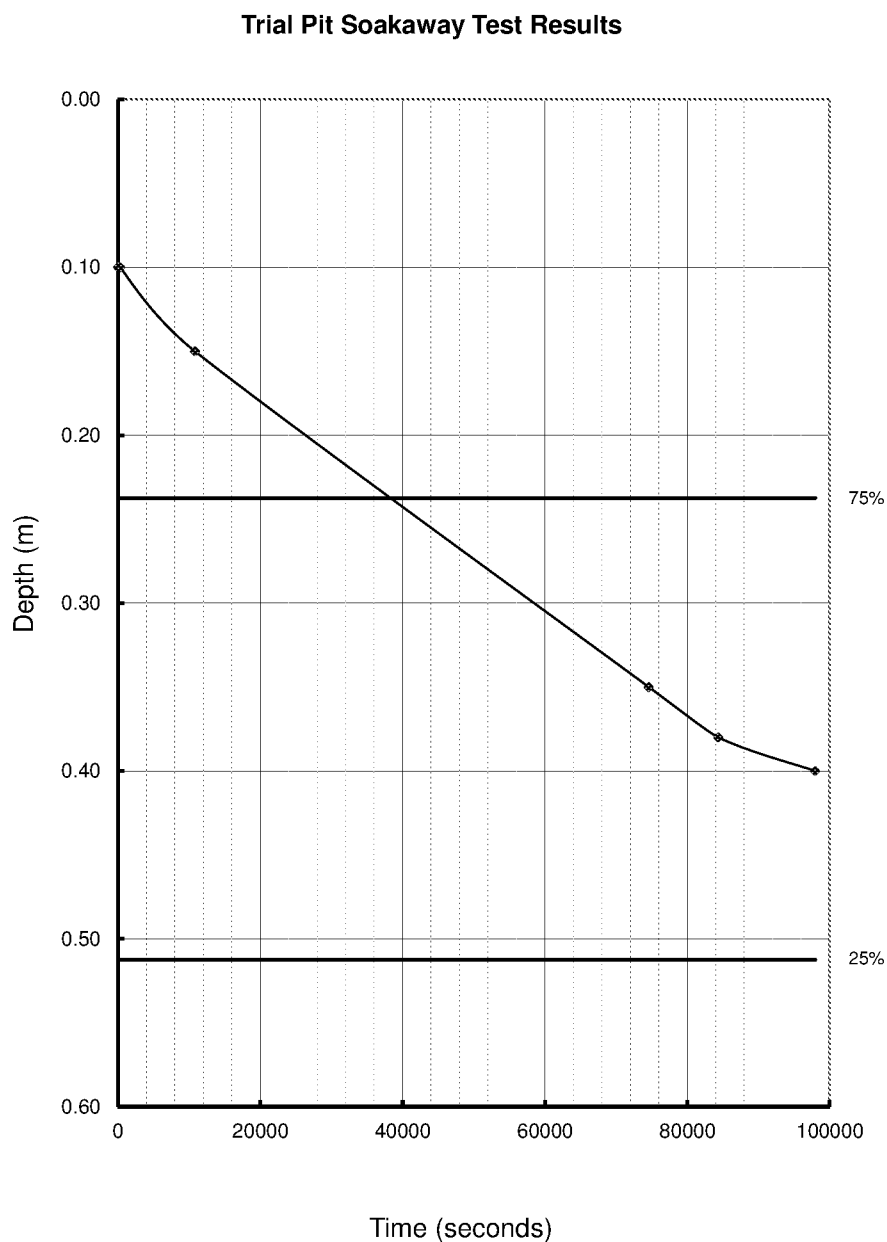
Comments

1. Groundwater at 1.50 m prior to soakaway test.

RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ



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[illegible]

Results		Comments
Vp 75-25 (m3)	0.37	1. Groundwater at 0.60 m prior to soakaway test.
ap 50 (m2)	3.25	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

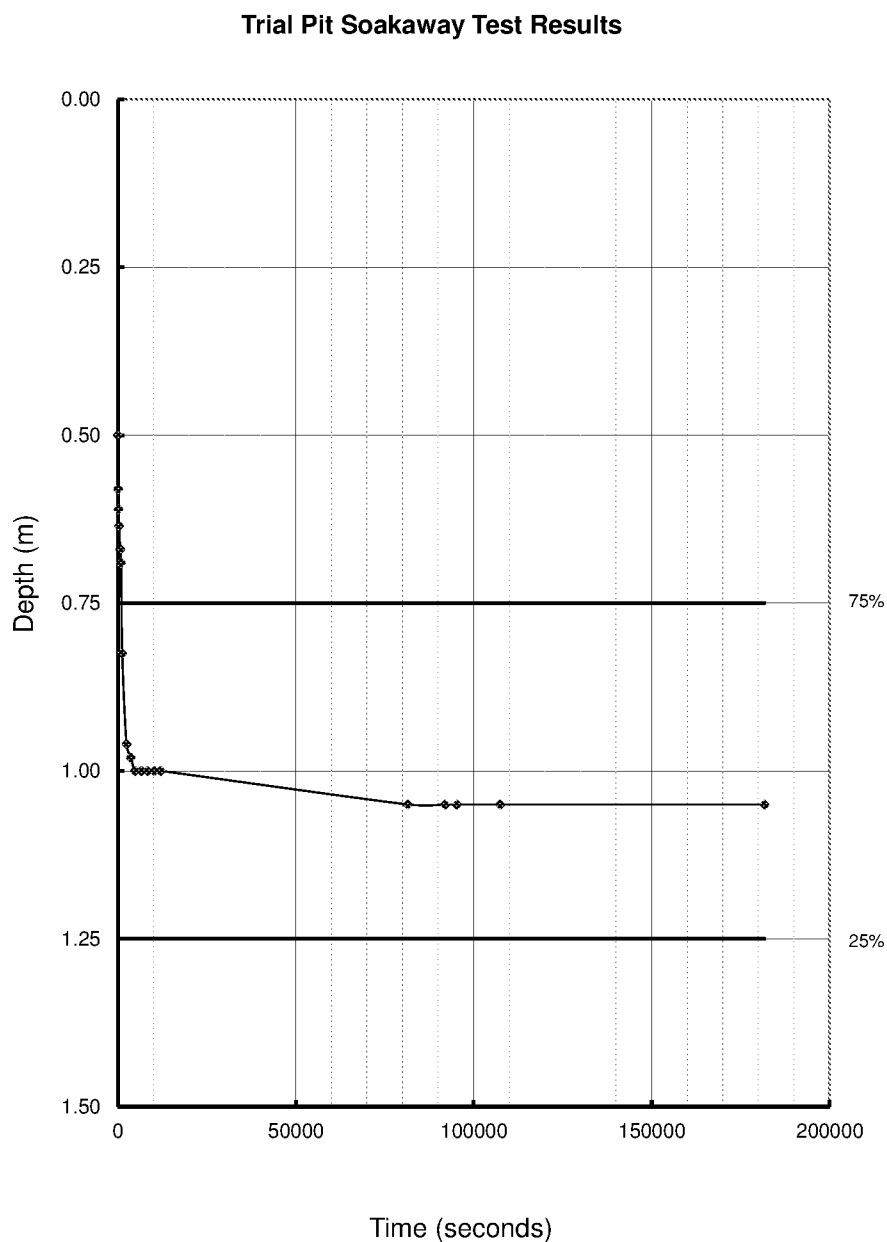


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[illegible]

Results		Comments
Vp 75-25 (m3)	0.71	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	4.41	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Wav. Romsey. SO51 9AQ

Location	TP218	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.20
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips [REDACTED] 27-Feb-19	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	1.50

[illegible]

Results	
Vp 75-25 (m3)	0.50
ap 50 (m2)	3.64
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments	
1. Trial pit dry prior to soakaway test.	

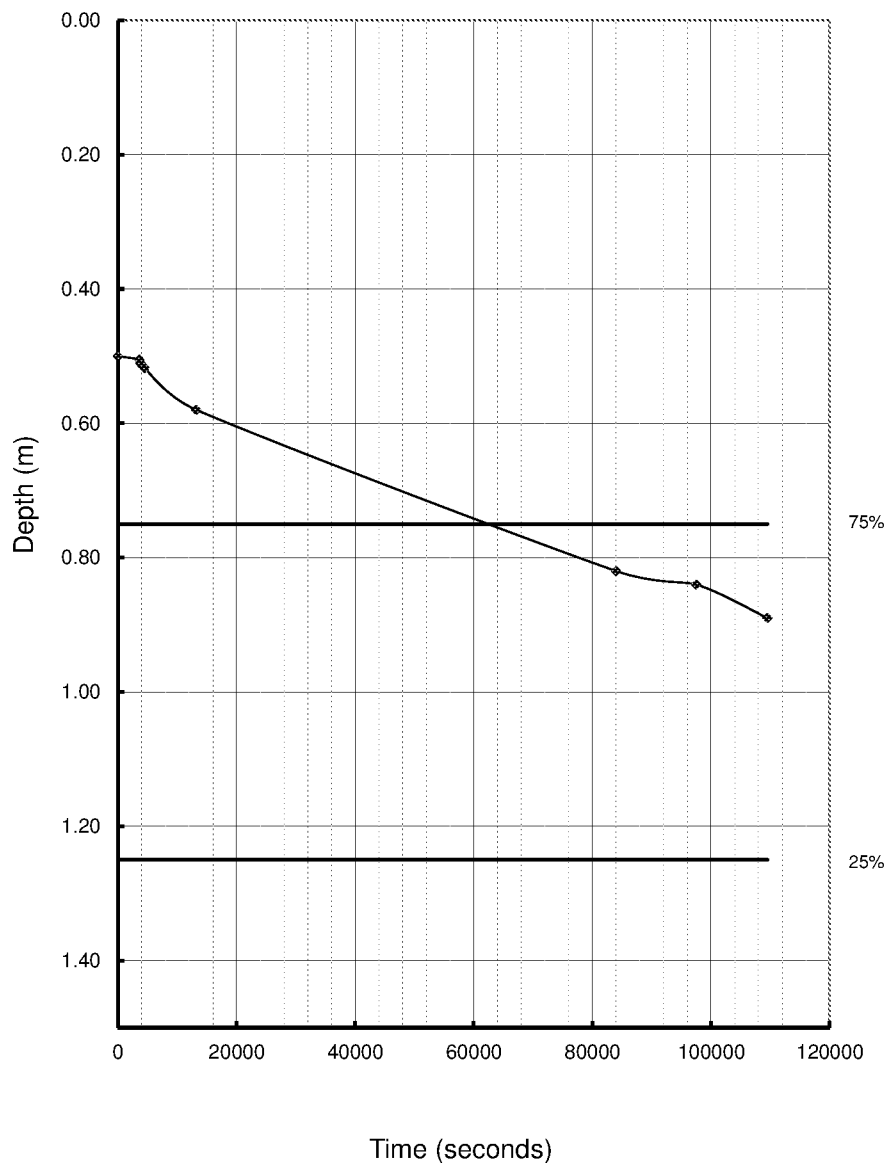
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ



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[illegible]

Trial Pit Soakaway Test Results



Results

Comments

1. Trial pit dry prior to soakaway test.

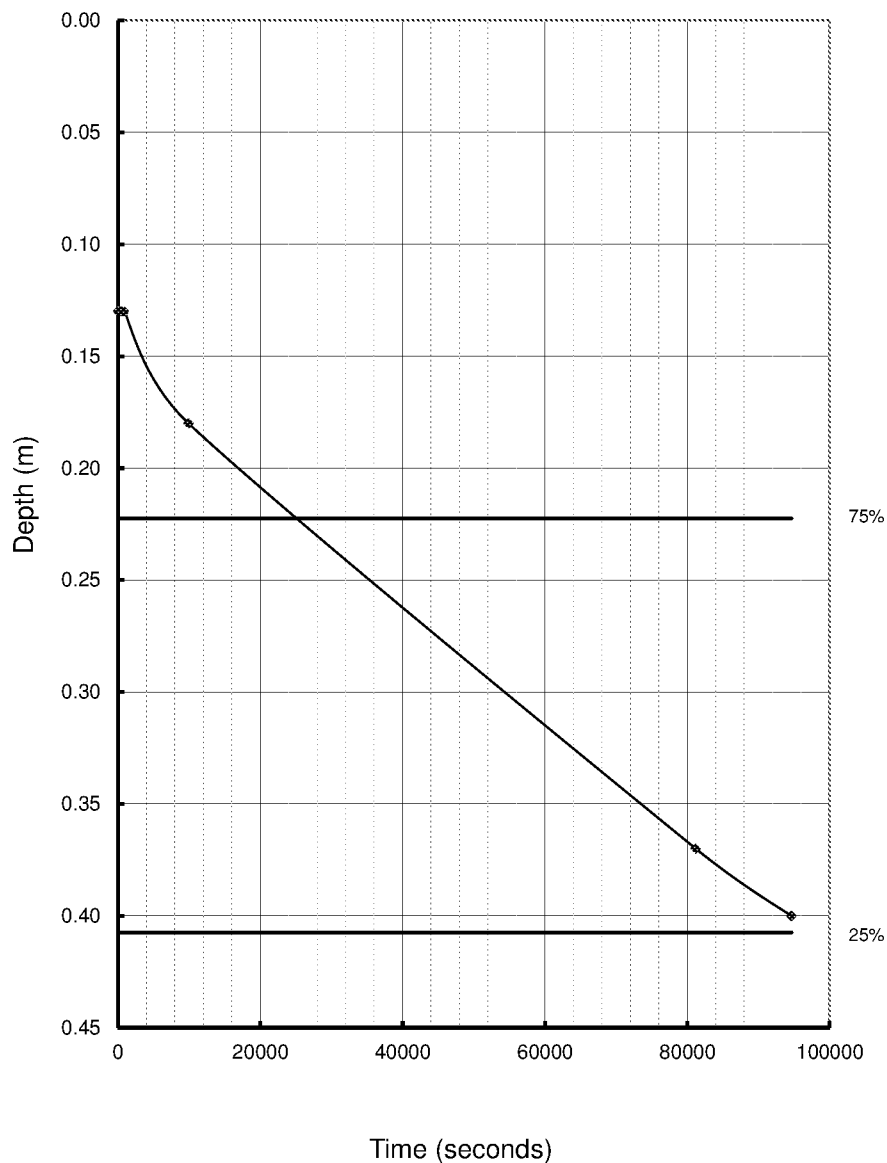
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ



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[illegible]

Trial Pit Soakaway Test Results



Results

Comments

1. Trial pit dry prior to soakaway test.

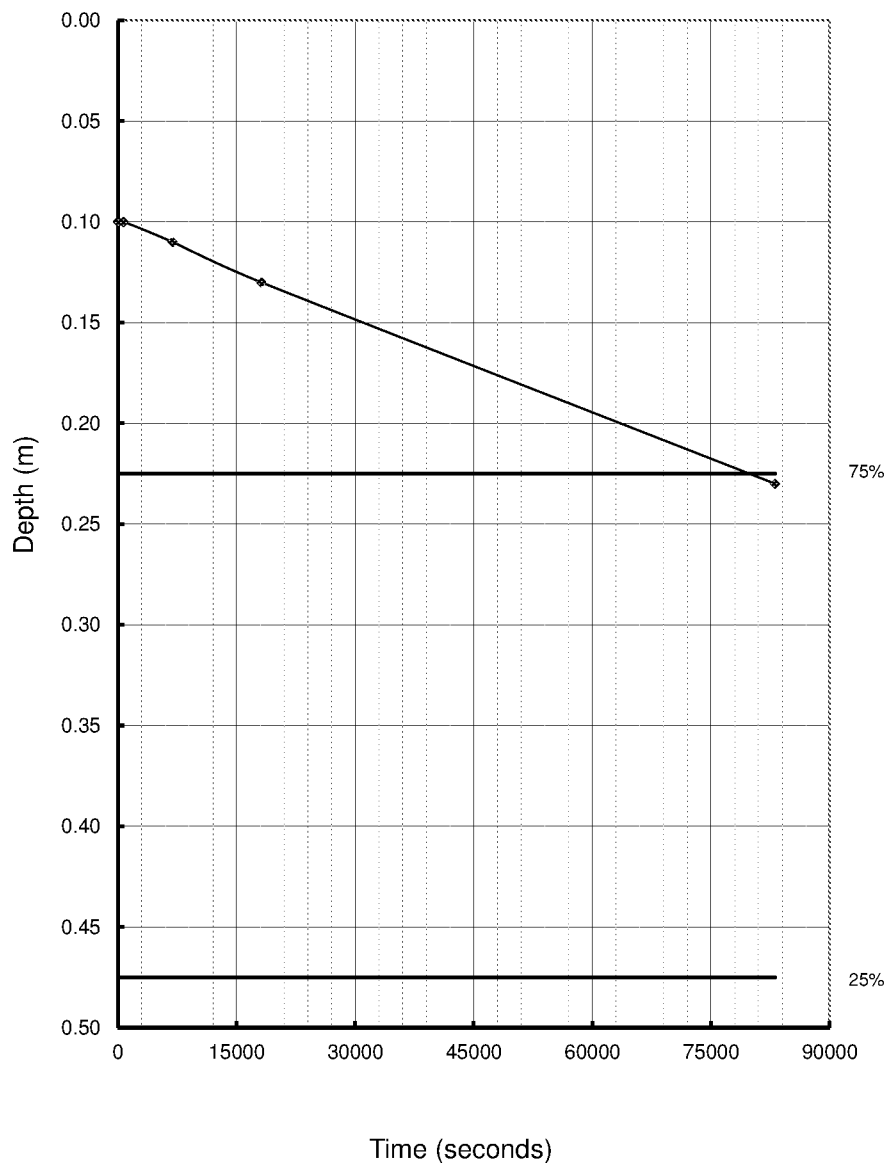
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ



DRAFT

[illegible]

Trial Pit Soakaway Test Results



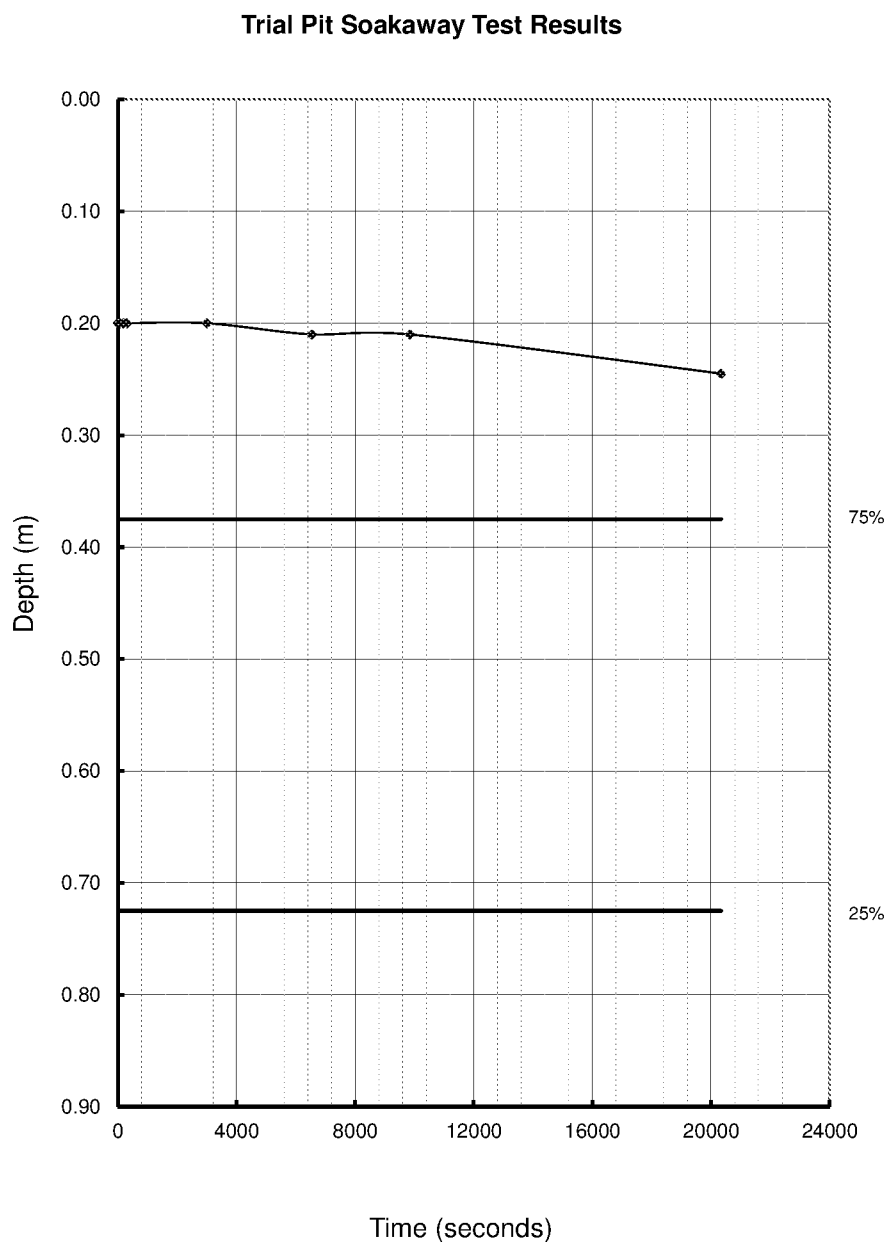
Results

Comments

1. Trial pit dry prior to soakaway test.

RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ

Location	TP222	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	1.85
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.20
Operator	Edward Hughes-Phillips [REDACTED] 27-Feb-19	Depth to base of trial pit (mbgl)	0.90
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	0.90

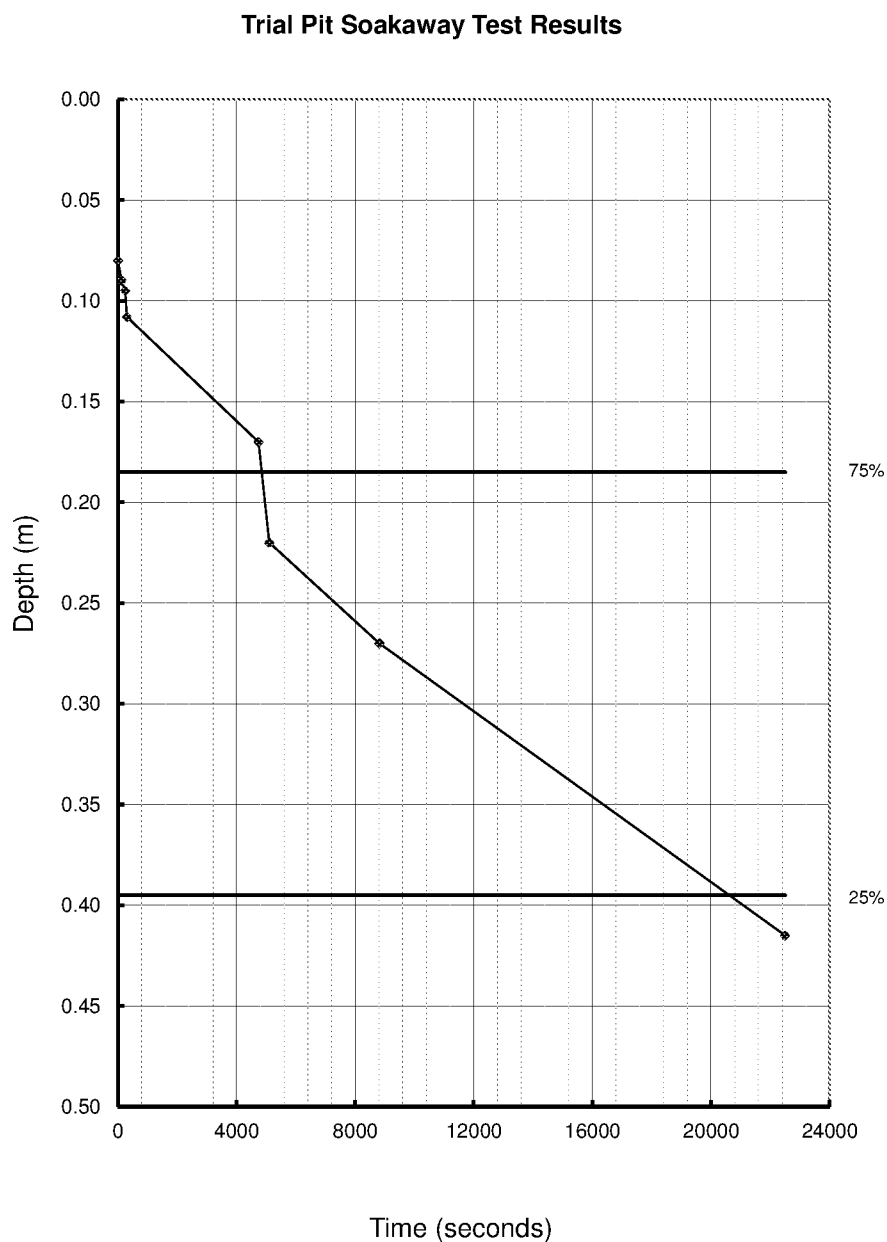
[illegible]

Results		Comments
Vp 75-25 (m3)	0.39	1. Groundwater at 0.90 m prior to soakaway test.
ap 50 (m2)	2.83	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Trial Pit Soakaway Test

DRAFT

Location	TP223	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.10
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.08
Operator	Edward Hughes-Phillips [REDACTED] 27-Feb-19	Depth to base of trial pit (mbgl)	0.50
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	0.50

[illegible]

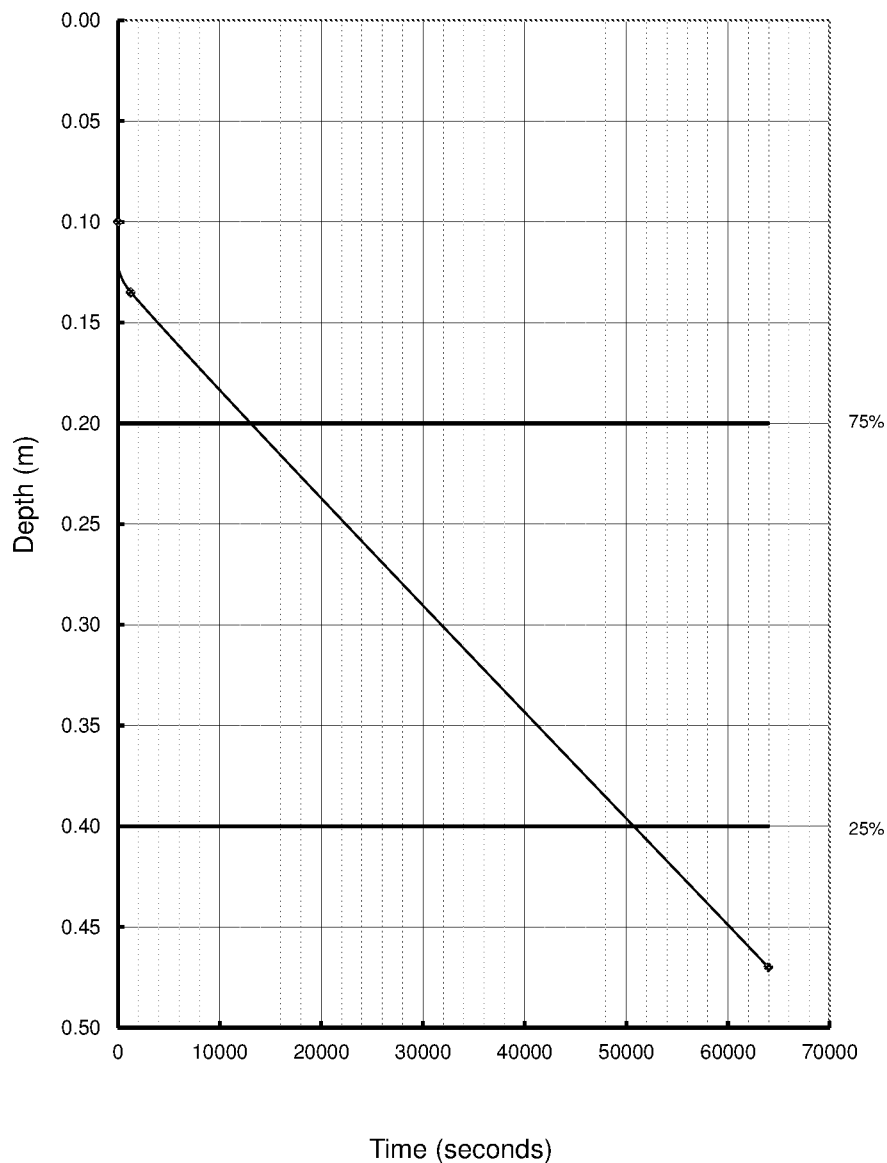
Results		Comments
Vp 75-25 (m3)	0.26	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	2.39	
tp 75-25 (s)	15500	
Infiltration Rate (m/s)	7.13E-06	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ



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[illegible]

Trial Pit Soakaway Test Results



Results

Comments

1. Trial pit dry prior to soakaway test.

RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ

APPENDIX E

GROUNDWATER MONITORING DATA

05035 L01 (00) DRAFT

BH1 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018	Dry	Dry
14/11/2018	Dry	Dry
12/12/2018	1.55	4.998
16/01/2019	1.62	4.928
25/01/2019		
30/01/2019	1.60	4.948
13/02/2019	1.33	5.218
01/03/2019	1.53	5.023

BH2 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018	0.88	6.031
14/11/2018	0.85	6.061
12/12/2018	0.64	6.271
16/01/2019	0.88	6.031
25/01/2019		
30/01/2019	0.80	6.111
13/02/2019	0.51	6.406
01/03/2019	0.80	6.111

BH3 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018	0.88	5.232
14/11/2018	0.58	5.532
12/12/2018	0.00	6.112
16/01/2019	0.25	5.862
25/01/2019		
30/01/2019	0.33	5.782
13/02/2019	0.00	6.112
01/03/2019	0.20	5.912

BH4 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018	1.03	5.236
14/11/2018	0.98	5.286
12/12/2018	0.82	5.446
16/01/2019	1.30	4.966
25/01/2019		
30/01/2019		
13/02/2019	0.73	5.536
01/03/2019	1.19	5.081

BH201 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019	1.26	4.512
30/01/2019	1.60	4.167
13/02/2019	1.00	4.772
01/03/2019	1.23	4.537

BH202 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019		
30/01/2019	1.08	4.669
13/02/2019	0.70	5.052
01/03/2019	1.06	4.689

BH203 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019		
30/01/2019	1.08	4.669
13/02/2019	0.70	5.052
01/03/2019	1.06	4.689

BH204 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019	0.14	5.653
30/01/2019	1.15	4.643
13/02/2019	0.84	4.958
01/03/2019	1.07	4.723

BH205 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019		
30/01/2019	1.08	5.739
13/02/2019	0.92	5.904
01/03/2019	1.07	5.754

BH206 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019	0.26	6.115
30/01/2019	0.35	6.025
13/02/2019	0.13	6.250
01/03/2019	0.31	6.065

BH207 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019		
30/01/2019	0.25	5.945
13/02/2019	0.01	6.185
01/03/2019	0.22	5.980

BH208 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019		
30/01/2019	0.29	5.790
13/02/2019	0.00	6.080
01/03/2019	0.15	5.930

BH209 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019		
30/01/2019	1.08	5.356
13/02/2019	0.58	5.861
01/03/2019	1.04	5.396

BH210 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019		
30/01/2019	1.20	4.896
13/02/2019	0.61	5.486
01/03/2019	1.15	4.951

BH211 Manual dips	Depth to groundwater	
	(mbgl)	(mAOD)
15/10/2018		
14/11/2018		
12/12/2018		
16/01/2019		
25/01/2019		
30/01/2019	0.88	5.830
13/02/2019	0.36	6.350
01/03/2019	0.92	5.790

Appendix (C)

Proposed Site Layout

LAND NORTH OF SEFTER ROAD

Taylor Wimpey

REF	DESCRIPTION	OCCUPANCY	HT	SQ.FT (NETT)	SQ.M (NETT)	SQ.FT (GROSS)	SQ.M (GROSS)	NO	SQ.FT. TOT. (GROSS)
PRIVATE									
NT42	4 BEDROOM HOUSE	6 PERSON	2	1525	142	1549	144	2	3098
NA44	4 BEDROOM HOUSE	6 PERSON	2	1388	127	1385	128	8	8310
NT41	4 BEDROOM HOUSE	5 PERSON	2	1226	114	1243	115	10	12430
NA42	4 BEDROOM HOUSE	5 PERSON	2	1156	107	1175	109	8	9400
NT32	3 BEDROOM TOWNHOUSE	5 PERSON	2.5	1134	105	1153	107	19	21807
NT31	3 BEDROOM HOUSE	4 PERSON	2	1024	95	1040	97	22	22880
NT30	3 BEDROOM HOUSE	4 PERSON	2	997	93	1012	94	3	3036
NA32	3 BEDROOM HOUSE	4 PERSON	2	955	89	976	91	26	25376
NA22	2 BEDROOM HOUSE	4 PERSON	2	850	79	864	80	37	31868
28CH	2 BEDROOM COACH HOUSE	4 PERSON	2	762	71	775	72	1	775
NA20	2 BEDROOM HOUSE	3 PERSON	2	755	70	771	72	32	24472
18M	1 BEDROOM MAISONETTE	2 PERSON	2	596	55	603	56	2	1206
BLOCK A	1 BEDROOM FLAT	2 PERSON	2 to 3 storey	573	53	581	54	3	1743
18CH	1 BEDROOM COACH HOUSE	2 PERSON	2	560	52	568	53	1	568
BLOCK A	1 BEDROOM FLAT	2 PERSON	2 to 3 storey	550	51	562	52	3	1686
SUB TOTAL								175	169055
AFFORDABLE 30%									
NT41A	4 BEDROOM HOUSE	5 PERSON	2	1226	114	1243	115	2	2486
NA42A	4 BEDROOM HOUSE	5 PERSON	2	1156	107	1175	109	2	2350
NT31A	3 BEDROOM HOUSE	4 PERSON	2	1024	95	1040	97	3	3120
NA30A	3 BEDROOM HOUSE	4 PERSON	2	994	94	992	86	8	7376
NA22A	2 BEDROOM HOUSE	4 PERSON	2	850	79	864	80	12	10368
28CH	2 BEDROOM COACH HOUSE	4 PERSON	2	762	71	775	72	8	4680
BLOCK B	2 BEDROOM FLAT	4 PERSON	2 to 3 storey	757	70	766	71	12	9162
BLOCK C	1 BEDROOM FLAT	2 PERSON	2 to 3 storey	573	53	581	54	3	1742
BLOCK B	1 BEDROOM FLAT	2 PERSON	2 to 3 storey	566	53	574	53	6	3444
BLOCK D	1 BEDROOM FLAT	2 PERSON	2 to 3 storey	559	52	570	53	6	3420
BLOCK C	1 BEDROOM FLAT	2 PERSON	2 to 3 storey	541	50	549	51	3	1647
BLOCK D	1 BEDROOM FLAT	4 PERSON	2 to 3 storey	541	50	551	51	12	6812
SUB TOTAL								75	56467
TOTAL								250	225462



Appendix (D)

Existing Drainage Regime

Project**Project Name:** OSBORNE REFRIGERATION 5116**Project Description:** WinCan Import in Miraculix Standard**Project Number:** 5116**Project Status:** Complete**Project Date:** 29/06/2021

Table of Contents

Project Name	Project Number	Project Date
OSBORNE REFRIGERATION 5116	5116	29/06/2021

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Damage overview	5
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Project Information

Project Name
OSBORNE REFRIGERATION 5116**Project Number**
5116**Project Date**
29/06/2021

Client

Company: DR Ground Works Ltd
Contact: Nick
Department: Unit A Meadow View Business Park
Street: Winchester Road
Town or City: Lower Upham
County: Hampshire
Post Code: SO32 1HJ

Site

Company: Osborne Refrigerators Ltd

Contractor

Company: JD Drains Ltd
Contact: Giuseppe
Department: CCTV
Street: Bramshill Yard
Town or City: Reading
County: Berkshire
Post Code: RG2 9PL
Phone: 01183800173
Mobile: 07730369997
Email: info@jddrains.com

Project Information

Project Name	Project Number	Project Date
OSBORNE REFRIGERATION 5116	5116	29/06/2021

Project Notes

CCTV exsiting storm drain

Scoring Summary

Project Name OSBORNE REFRIGERATION 5116	Project Number 5116	Project Date 29/06/2021
---	-------------------------------	-----------------------------------

Structural Defects

- Grade 3: Best practice suggests consideration should be given to repairs in the medium term.
- Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.
- Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section	PLR	Grade	Description
1	NW310X	5	Collapsed drain or sewer

Service / Operational Condition

- Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.
- Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.
- Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Section	PLR	Grade	Description
1	NW310X	5	Settled deposits, other at joint. 100% cross-sectional area loss

Abandoned Surveys

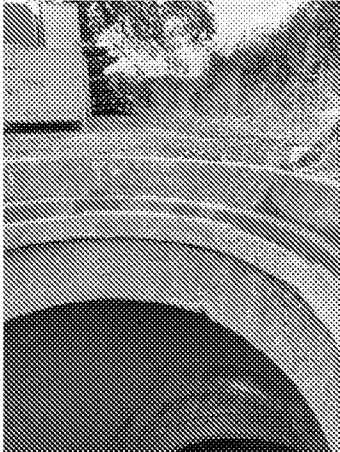
Section	PLR	Description
All inspections complete, none are abandoned.		

Information

These scoring summaries are based on the SRM grading from the WRc.

Project Pictures

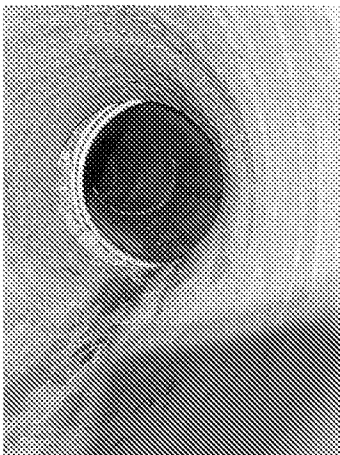
Project Name	Project Number	Project Date
OSBORNE REFRIGERATION 5116	5116	29/06/2021



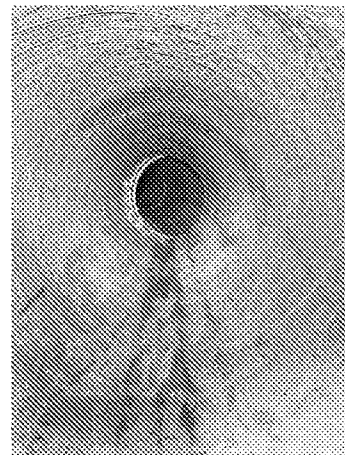
inside over



over



second section



first section



Capture map

Section Profile

Project Name OSBORNE REFRIGERATION 5116	Project Number 5116	Project Date 29/06/2021
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Circular, 600 mm

Section	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	NW310	EX CP1	29/06/2021	ROSE GREEN ROAD	Concrete	7.69 m	7.69 m

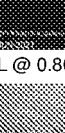
Total: 1 Inspection x Circular 600 mm = 7.69 m Total Length and 7.69 m Inspected Length

Total: 1 Inspection = 7.69 m Total Length and 7.69 m Inspected Length

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	PLR NW310X
	Alternative ID 1

NW310
EX CP1
both:

 MH @ 0.00 m	
 OJL @ 0.80 m	
 DEXJ @ 7.31 m	
 REM @ 7.68 m	
 XP @ 7.69 m	
6	
ations	
SER Total	SER Grade
20.0	5.0

Section Pictures - 29/06/2021 - NW310X

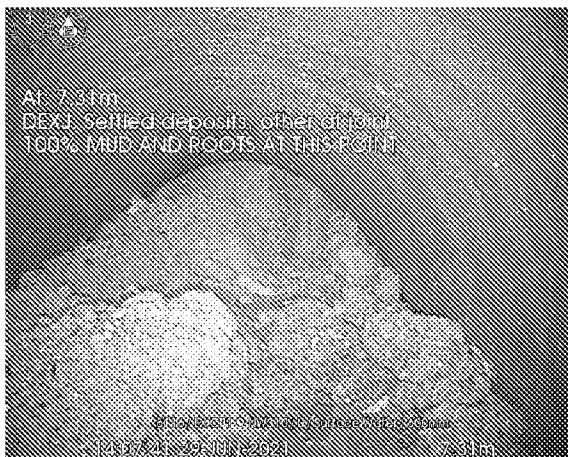
Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	NW310X	5116	EXISTING STORM NW



1-1-1A, 00:00:02, 0.00 m
Start node, manhole, reference: EX CP1



1-1-2A, 00:00:50, 0.80 m
Open joint, large, PIPE HAS A TURN AT THIS POINT



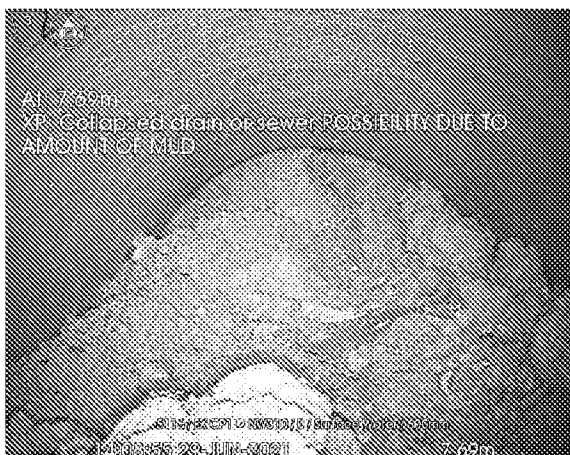
1-1-10A, 00:04:44, 7.31 m
Settled deposits, other at joint, 100% cross-sectional area loss, MUD AND ROOTS AT THIS POINT



1-1-11A, 00:05:43, 7.68 m
General remark, FROM BEHIND SHOWS PIPE TURN

Section Pictures - 29/06/2021 - NW310X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	NW310X	5116	EXISTING STORM NW



1-1-12A, 00:05:10, 7.69 m
 Collapsed drain or sewer, POSSIEILITY DUE TO AMOUNT OF MUD

