

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 37		
Date: 22/01/2019		
Facing southwest, view of TP216		
Photo No. 38		
Date: 22/01/2019		
Facing southwest, view of TP218 and arisings		

PHOTOGRAPHIC LOG		305035 L01 (00)
Site Location: Land at Sefter Road, Bognor Regis, PO21 3EE		Appendix D
Photo No. 39		
Date: 22/01/2019		
Facing west, view of TP219 and arisings		
Photo No. 40		
Date: 22/01/2019		
Downhole view of TP219		

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

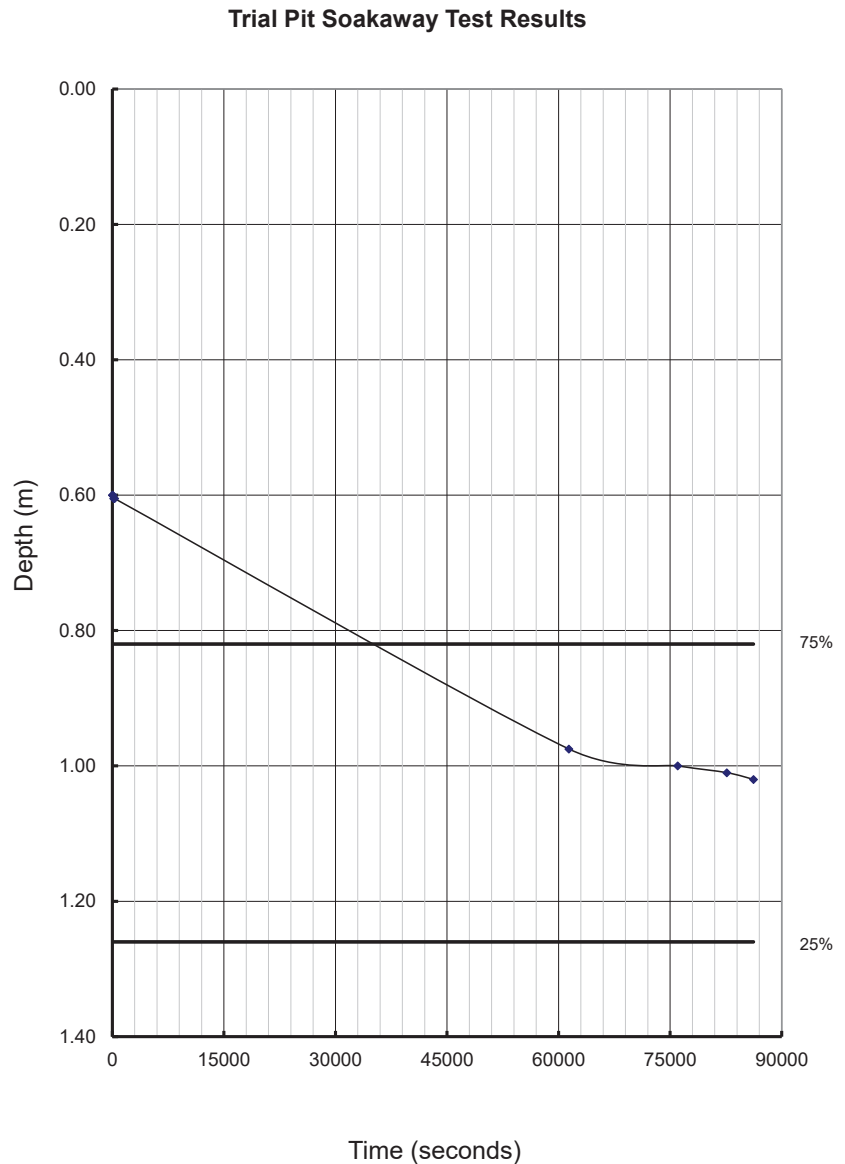


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[illegible]

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]

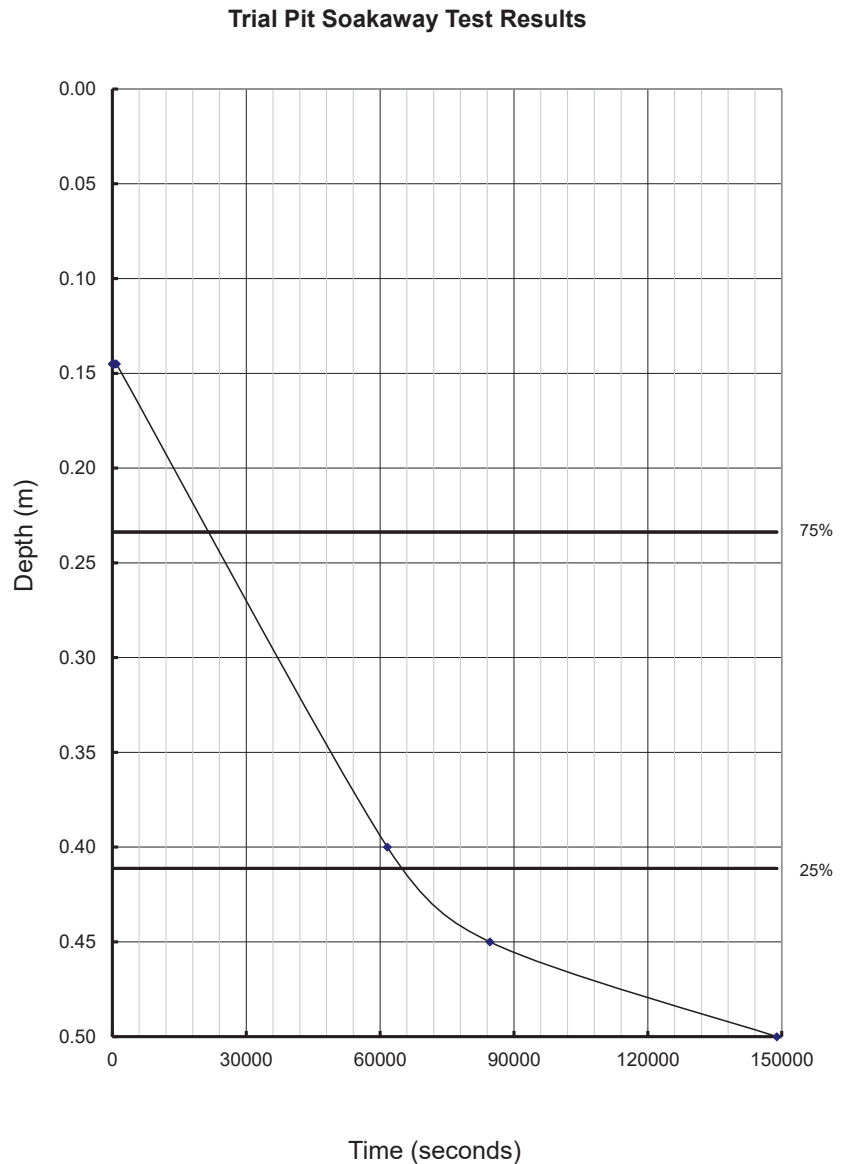
Results	
Vp 75-25 (m3)	0.57
ap 50 (m2)	3.71
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments

1. Groundwater at 1.60 m prior to soakaway test.

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Premier Way, Romsey, SO51 9AQ

Location	TP203	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)	0.15
Operator	Edward Hughes-Phillips  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]

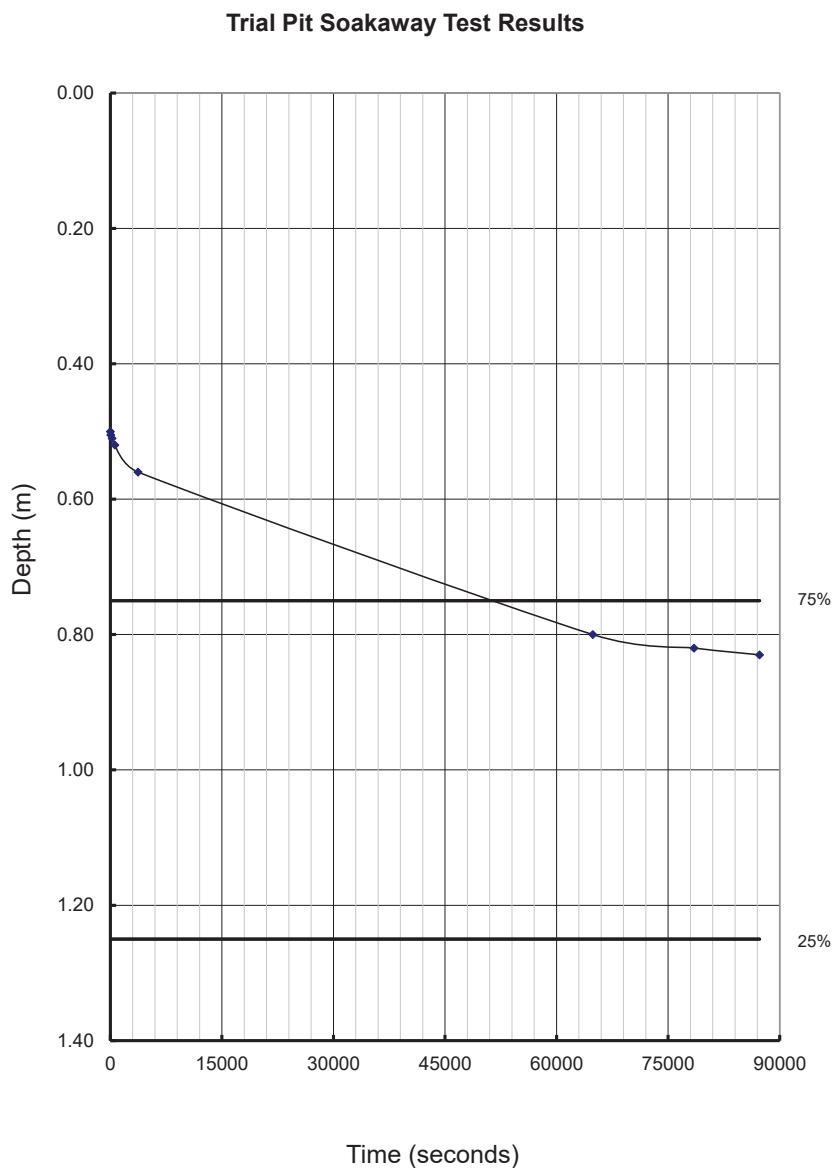
Results	
Vp 75-25 (m3)	0.19
ap 50 (m2)	2.09
tp 75-25 (s)	44000
Infiltration Rate (m/s)	2.08E-06

Comments

1. Trial pit dry prior to soakaway test.
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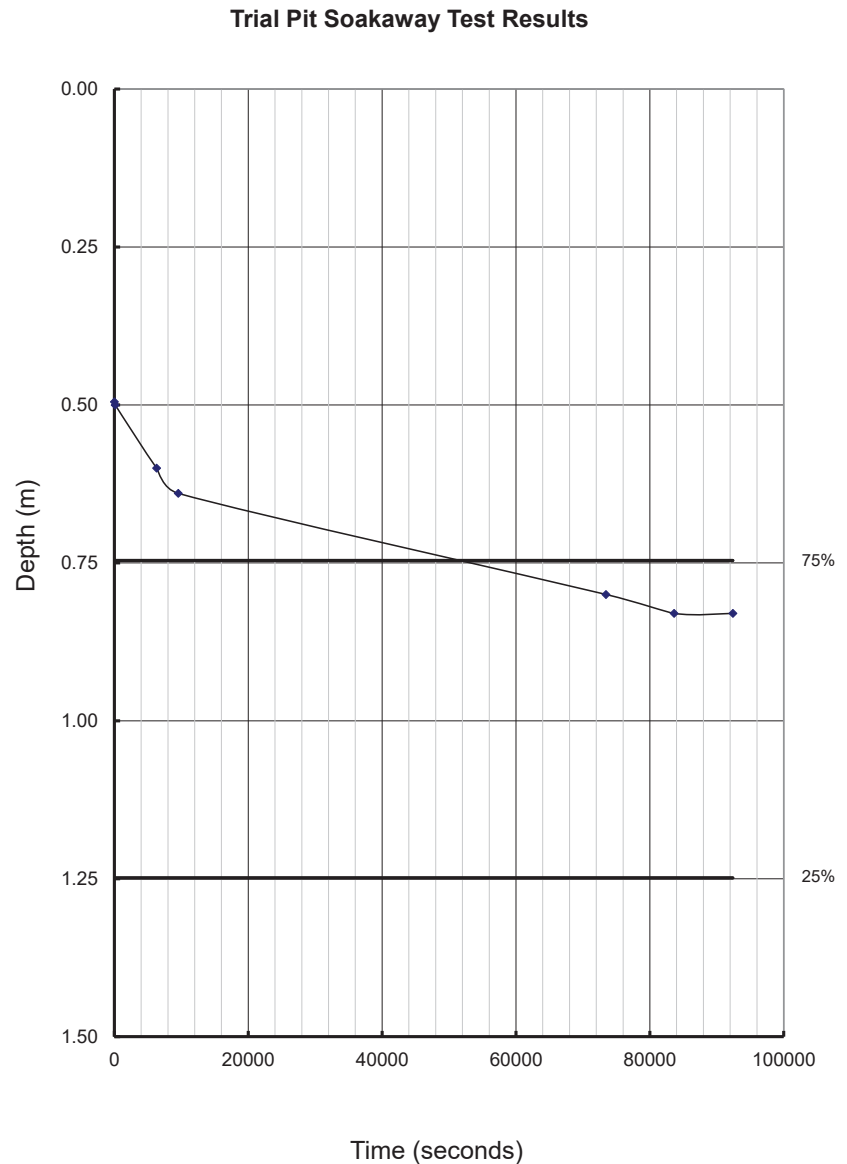
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ

Location	TP204	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)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips  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)	1.35

[illegible]

Results		Comments
Vp 75-25 (m3)	0.66	1. Groundwater at 1.50 m prior to soakaway test.
ap 50 (m2)	4.12	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Location	TP205	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.30
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips  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)	1.46

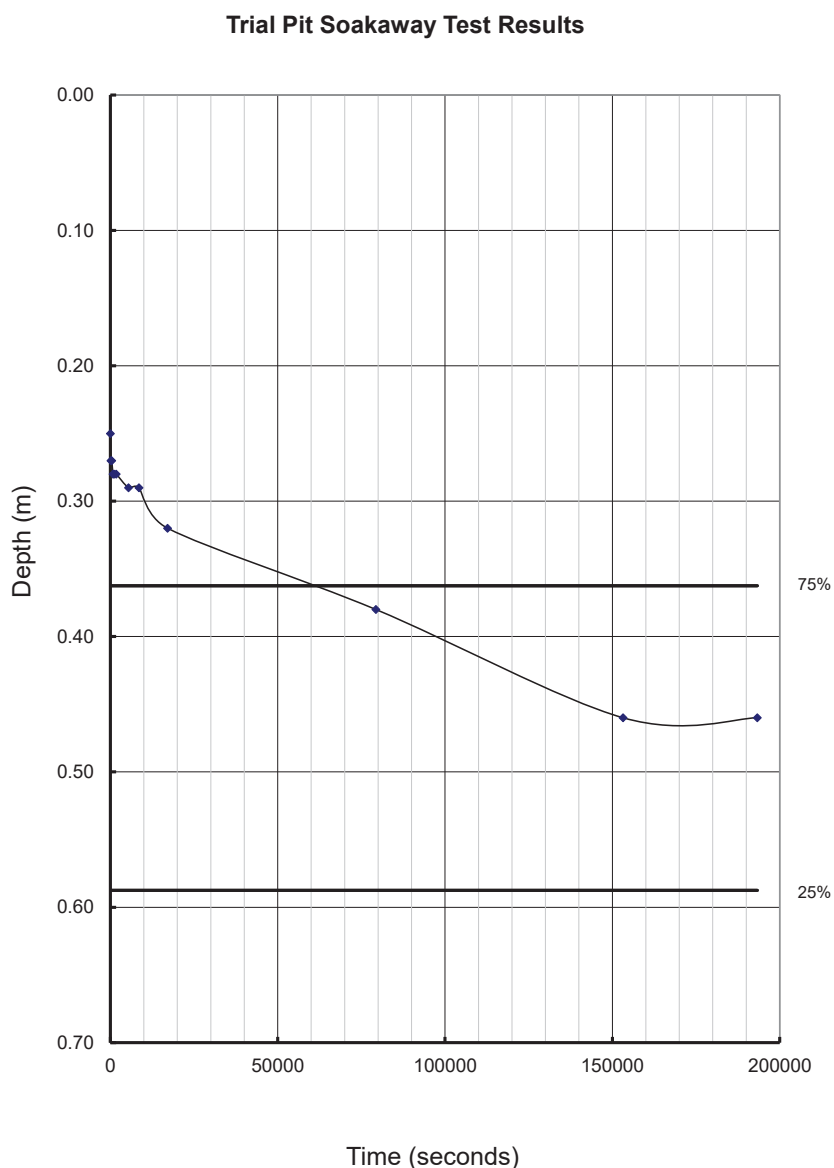
[illegible]

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.
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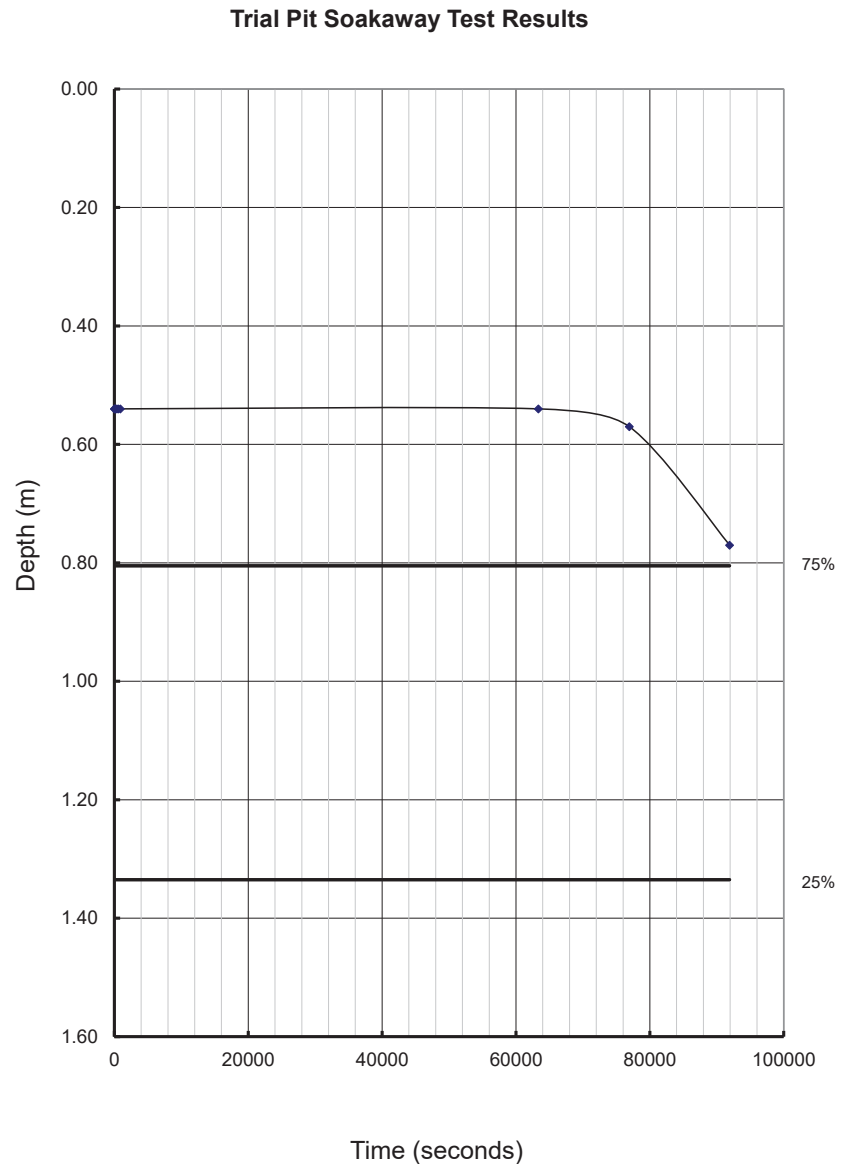
[illegible]

Comments

1. Trial pit dry prior to soakaway test.
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RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, 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  27-Feb-19	Depth to base of trial pit (mbgl)	1.60
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	1.20

[illegible]

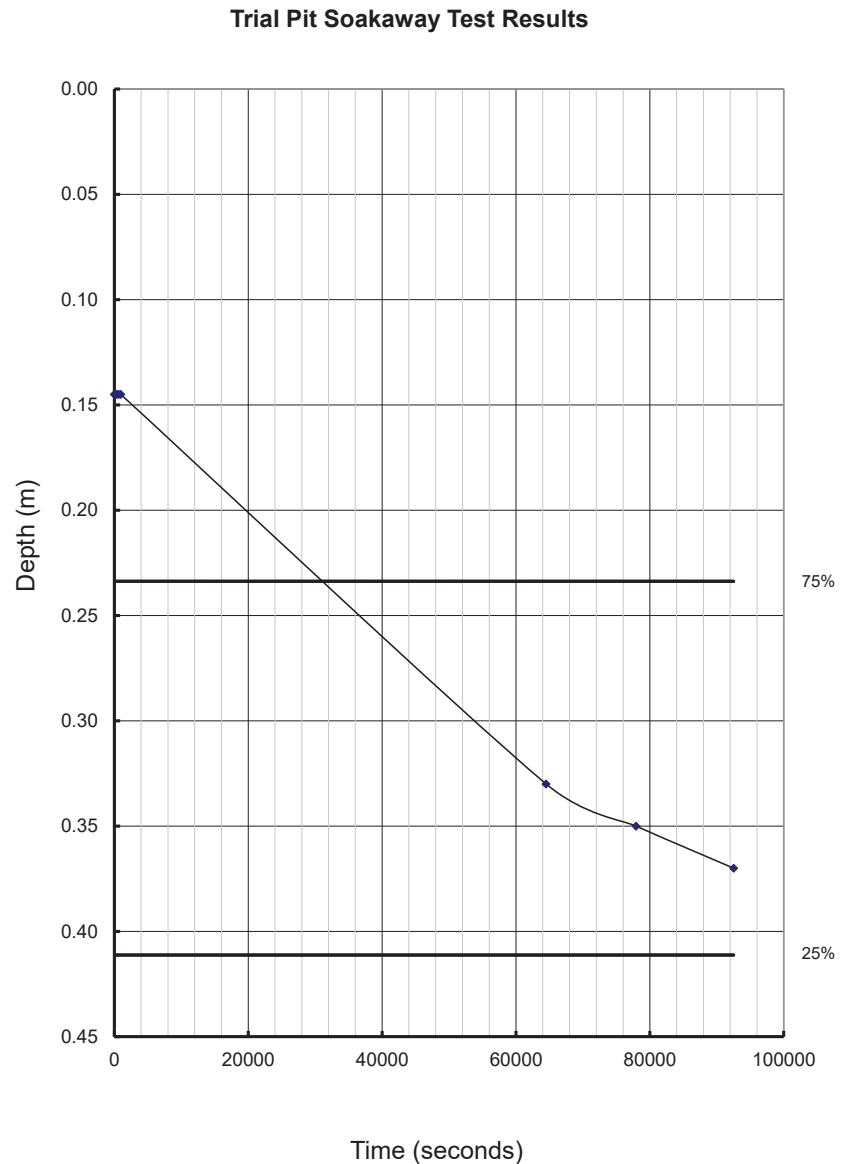
Results	
Vp 75-25 (m3)	0.57
ap 50 (m2)	4.10
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments

1. Trial pit dry prior to soakaway test.
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RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ

Location	TP208	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.60
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.15
Operator	Edward Hughes-Phillips  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)	0.45

[illegible]

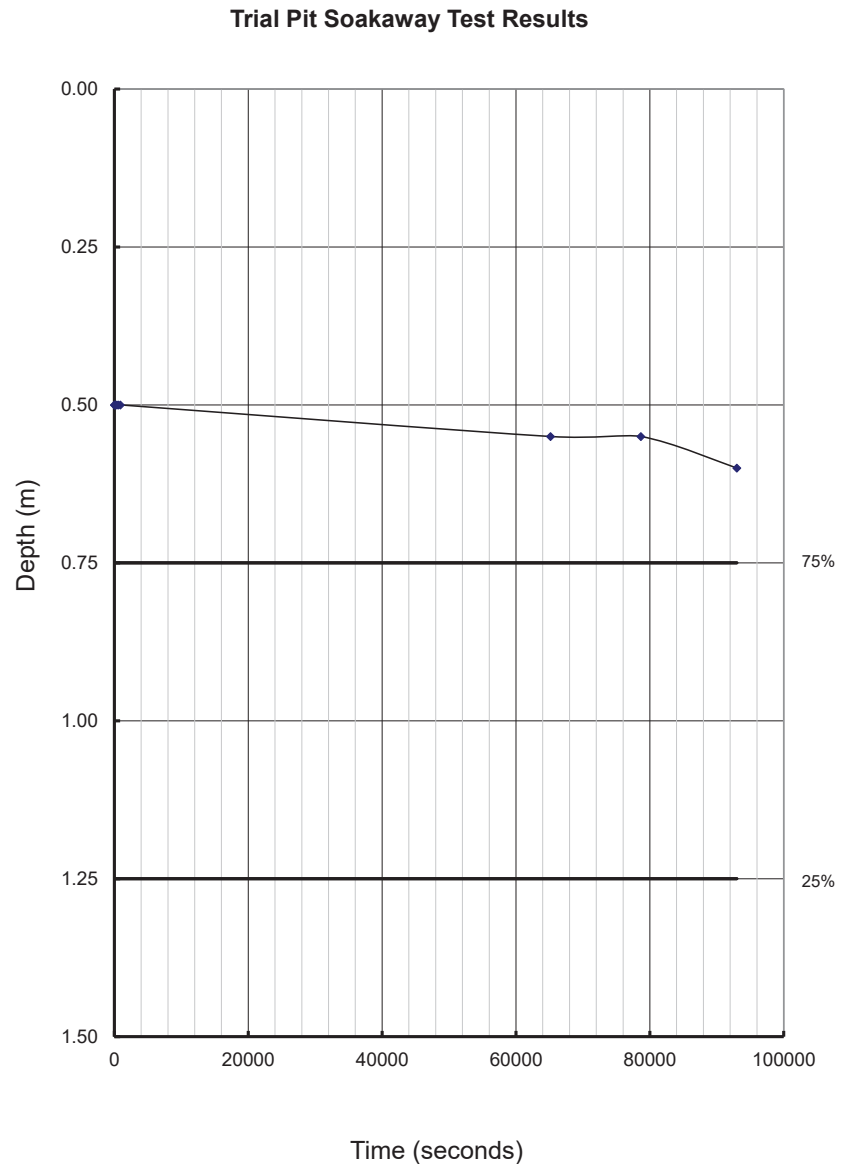
Results	
Vp 75-25 (m3)	0.21
ap 50 (m2)	2.25
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments

1. Trial pit dry prior to soakaway test.

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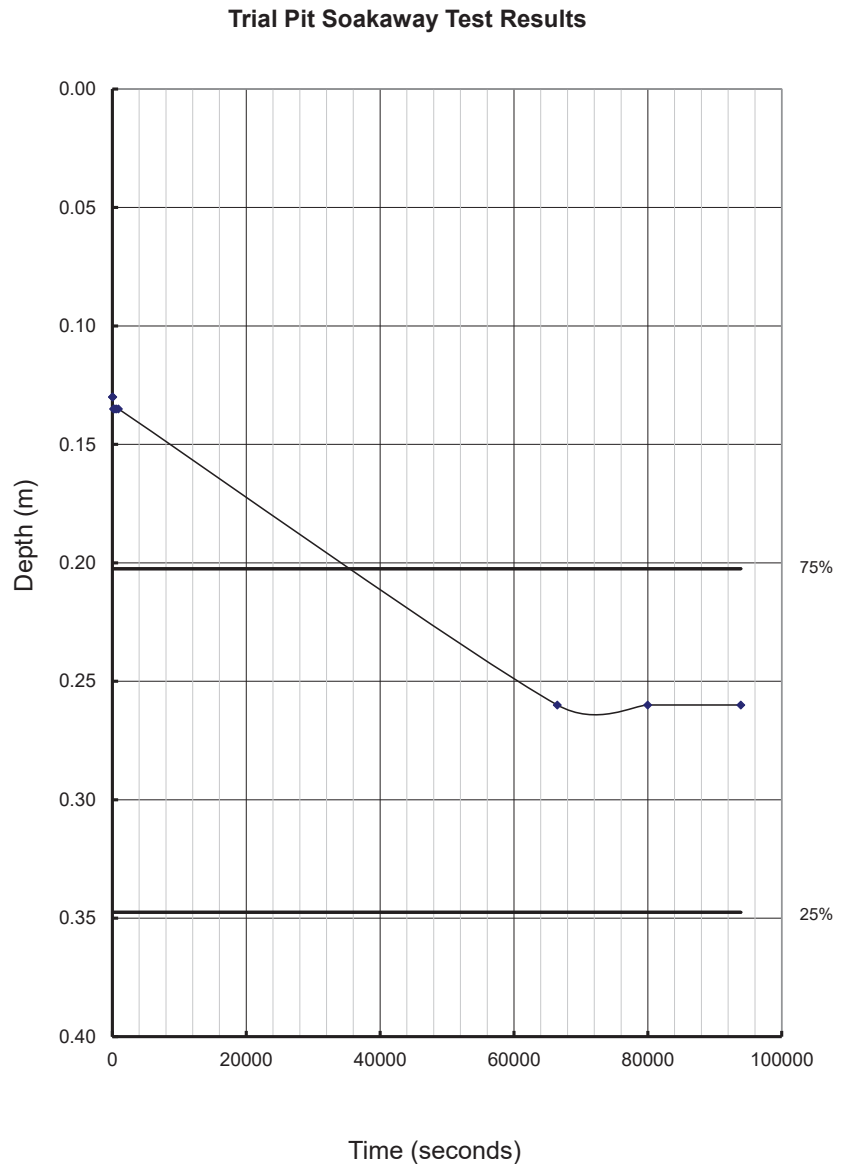
Location	TP209	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.40
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips <i>EHP</i> 27-Feb-19	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	1.45

[illegible]

Results	
Vp 75-25 (m3)	0.54
ap 50 (m2)	3.93
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

Location	TP210	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)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.13
Operator	Edward Hughes-Phillips  27-Feb-19	Depth to base of trial pit (mbgl)	0.42
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	0.40

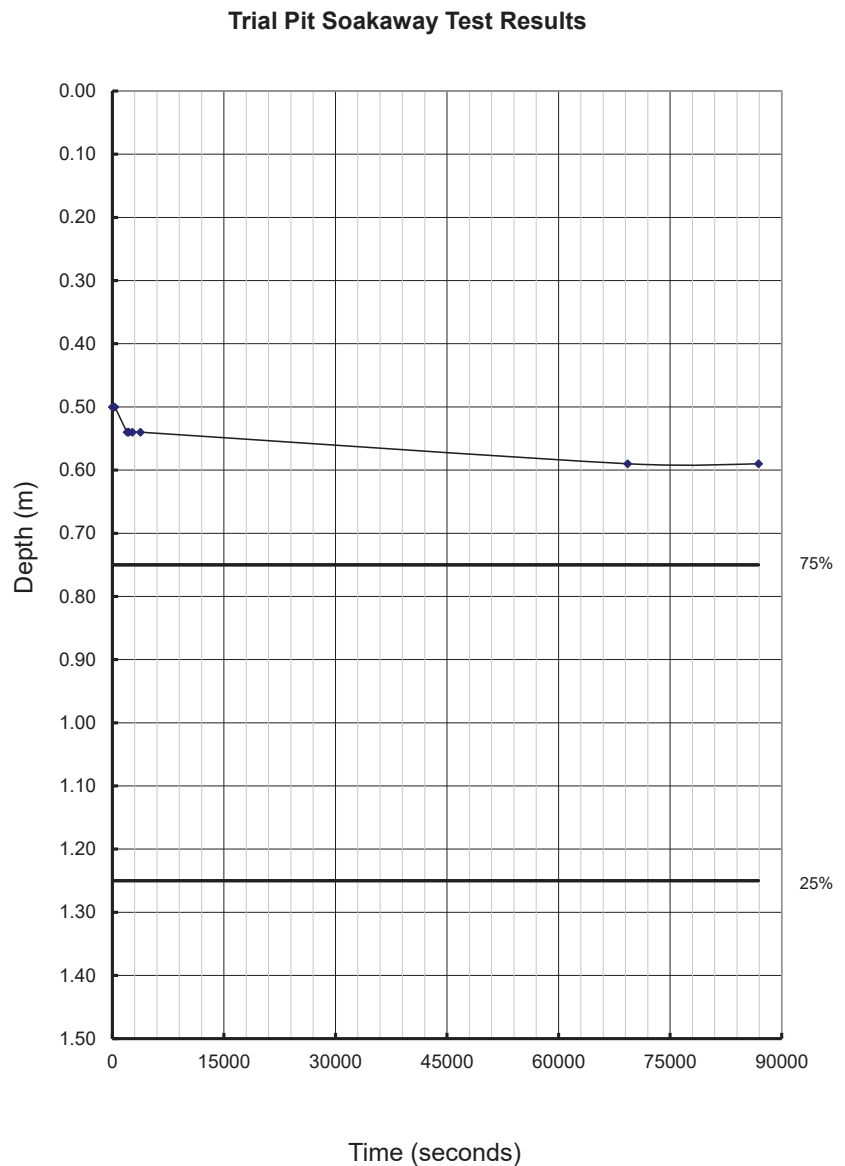
[illegible]

Results	
Vp 75-25 (m3)	0.24
ap 50 (m2)	2.67
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments	
1. Trial pit dry prior to soakaway test.	

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Premier Way, Romsey, SO51 9AQ

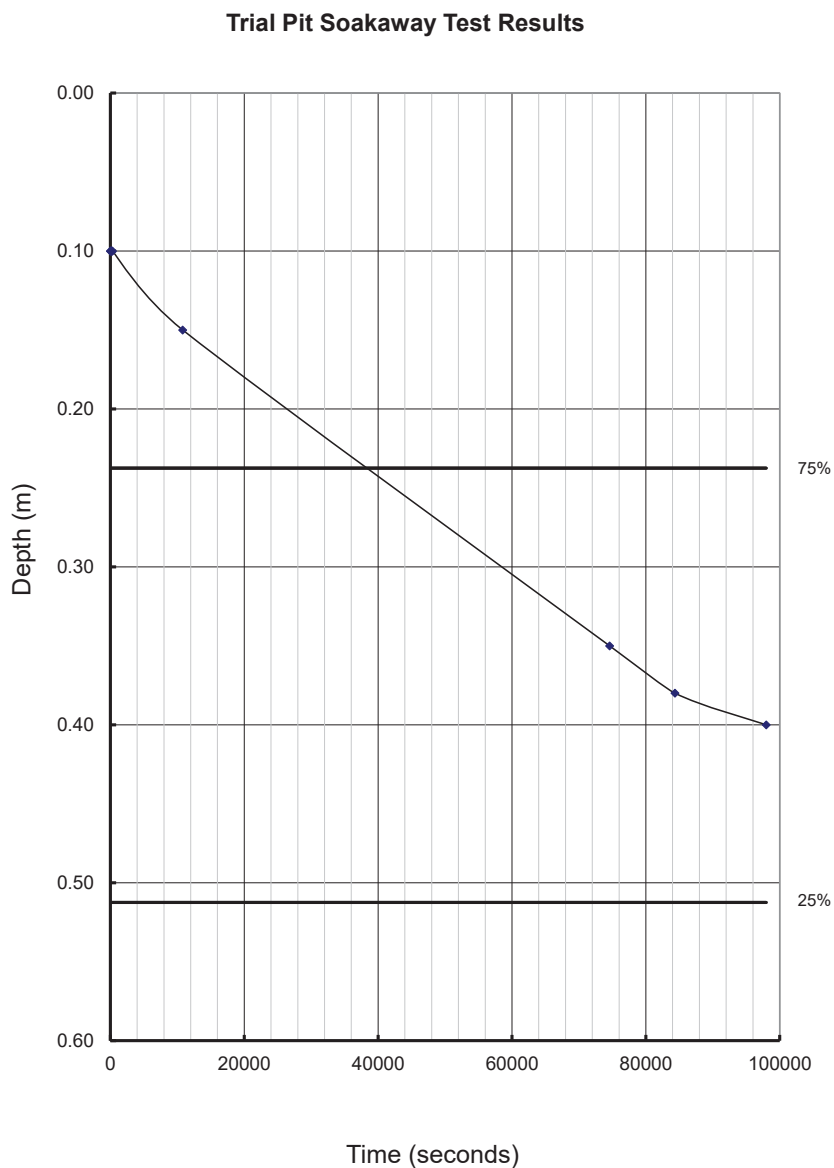
Location	TP211	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.50
Job number	305035	Width of trial pit (m)	0.45
Test date	21 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips  27-Feb-19	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	1.50

[illegible]

Results	
Vp 75-25 (m3)	0.56
ap 50 (m2)	4.08
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

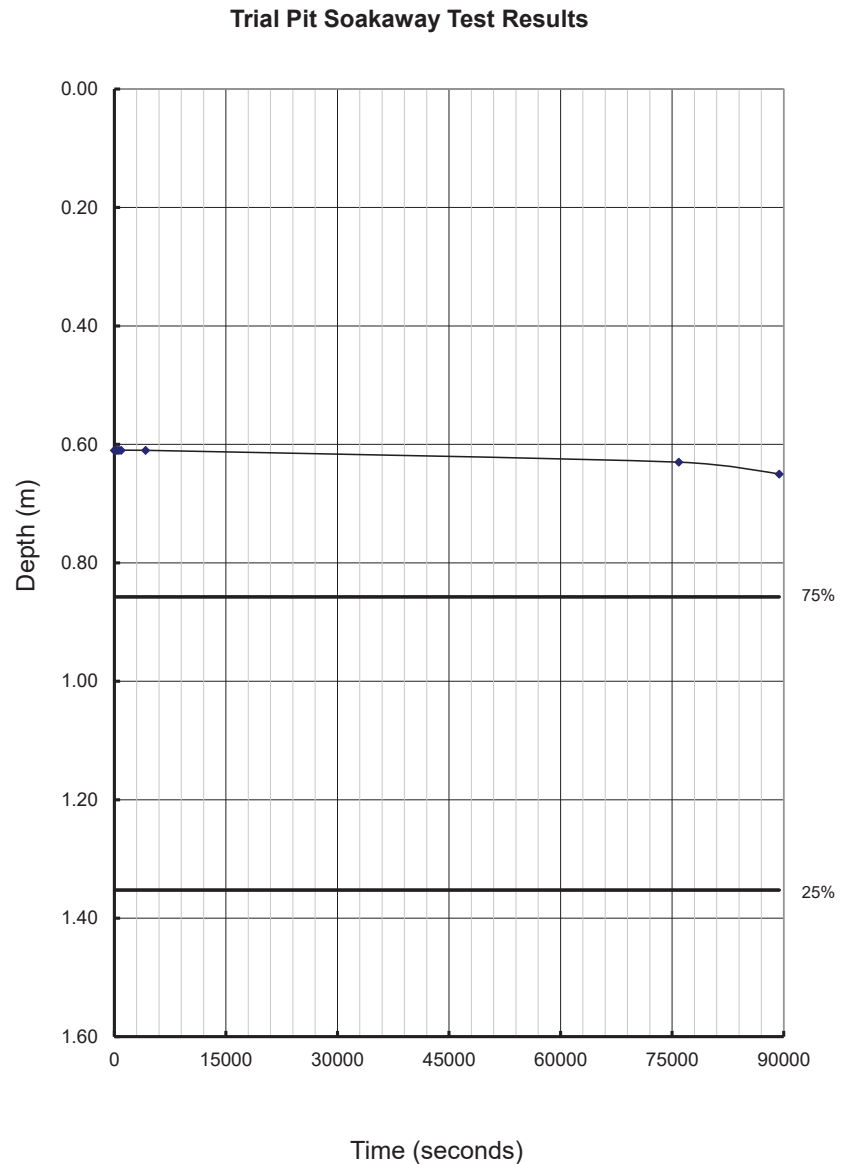
Comments
1. Groundwater at 1.50 m prior to soakaway test.
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Location	TP214	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	3.00
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.10
Operator	Edward Hughes-Phillips <i>E.Hughes</i> 27-Feb-19	Depth to base of trial pit (mbgl)	0.65
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	0.65

[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

Location	TP215	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)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.61
Operator	Edward Hughes-Phillips  27-Feb-19	Depth to base of trial pit (mbgl)	1.60
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	1.60

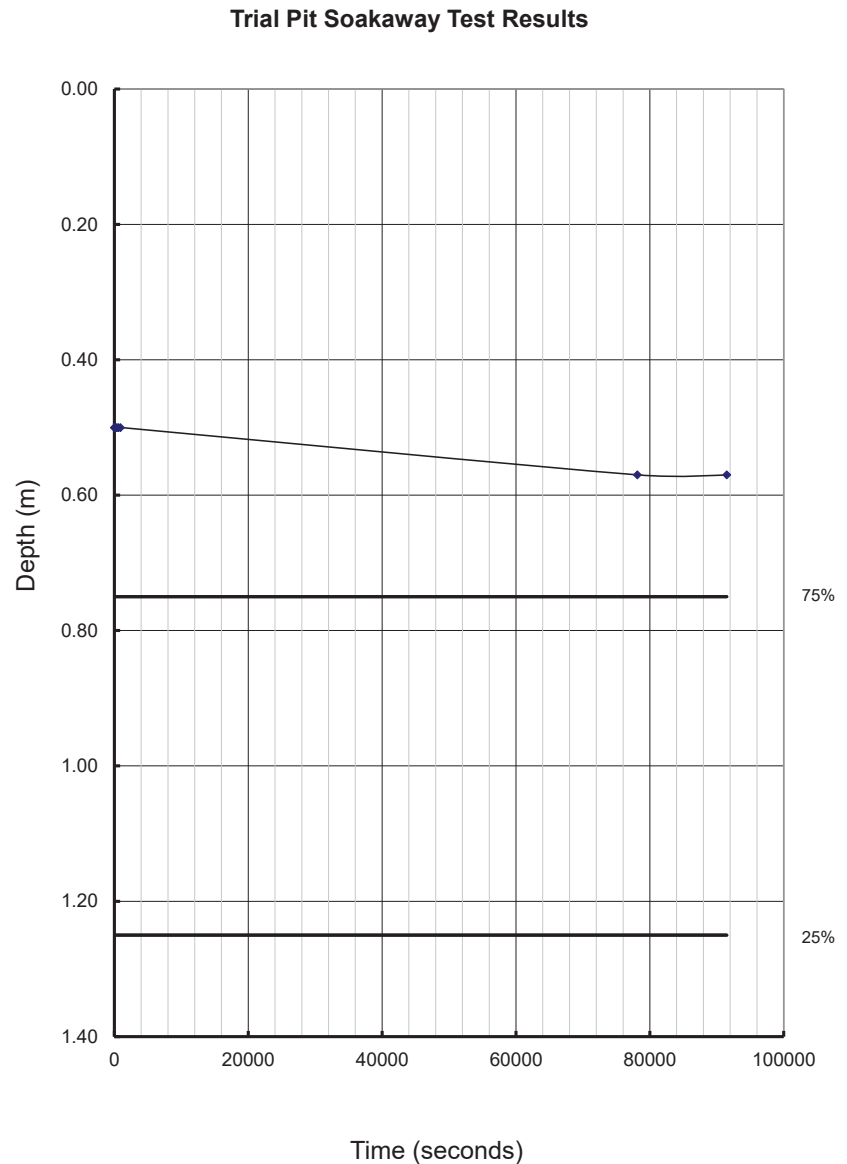
[illegible]

Results	
Vp 75-25 (m3)	0.71
ap 50 (m2)	4.41
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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Location	TP216	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.90
Job number	305035	Width of trial pit (m)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips  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

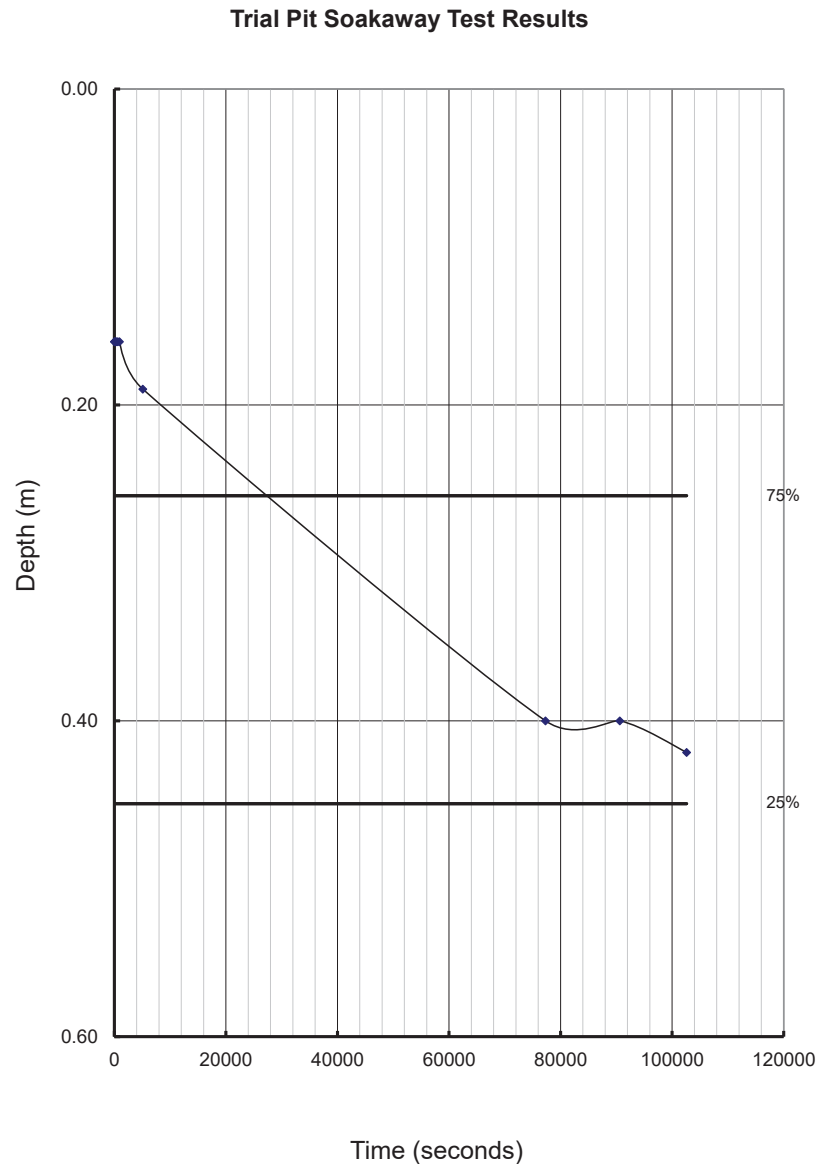
[illegible]

Results	
Vp 75-25 (m3)	0.87
ap 50 (m2)	5.24
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments	
1. Trial pit dry prior to soakaway test.	

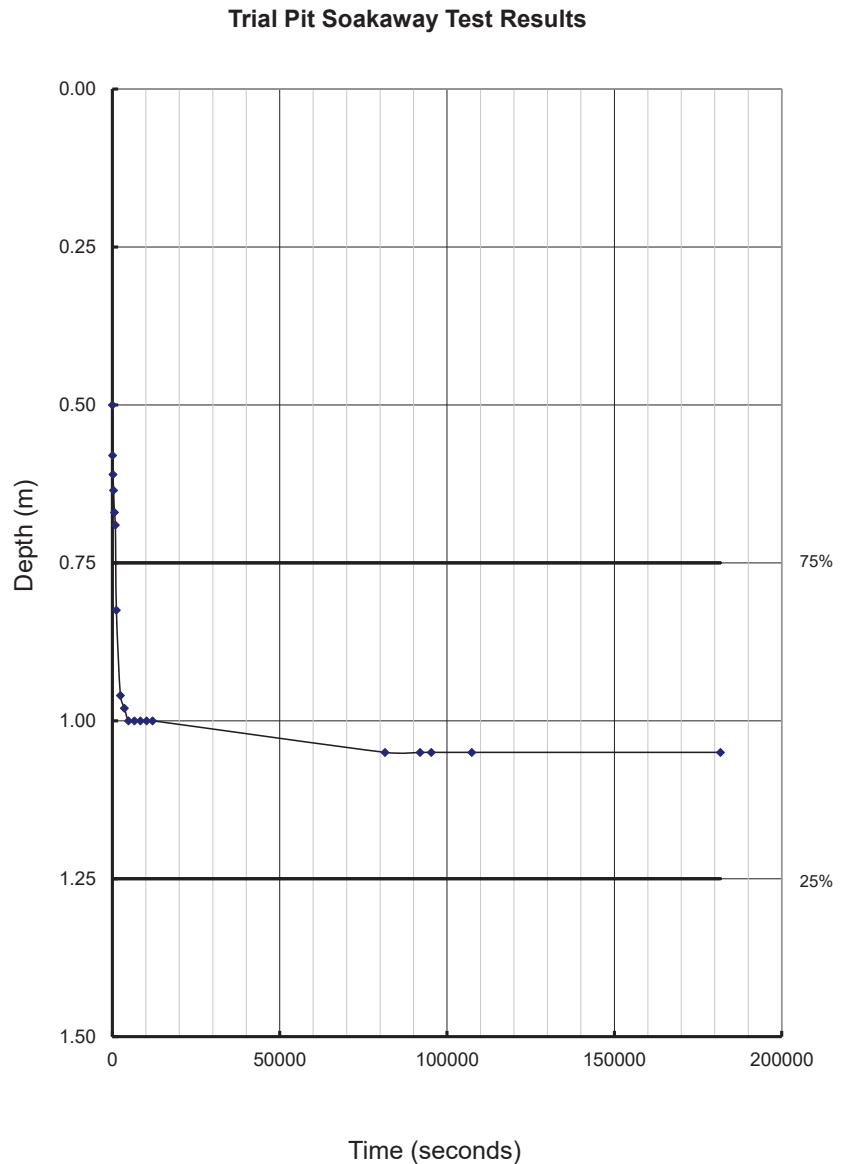
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ

Location	TP217	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)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.16
Operator	Edward Hughes-Phillips  27-Feb-19	Depth to base of trial pit (mbgl)	0.55
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	0.55

[illegible]

Results		Comments
Vp 75-25 (m3)	0.28	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	2.61	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

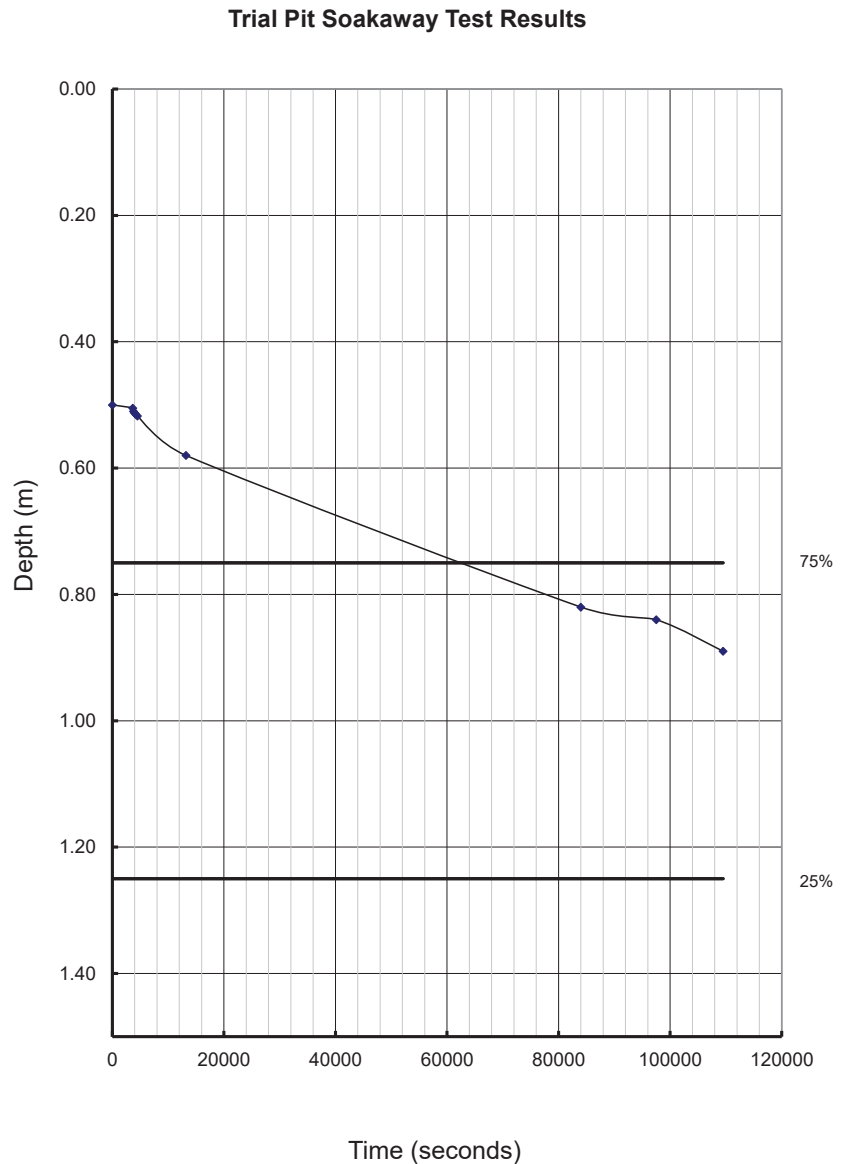
Location	TP218	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.20
Job number	305035	Width of trial pit (m)	0.45
Test date	22 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips  27-Feb-19	Depth to base of trial pit (mbgl)	1.50
Checked by	Kirsten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

Location	TP219	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)	0.60
Test date	22 January 2019	Water level at start (mbgl)	0.50
Operator	Edward Hughes-Phillips  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]

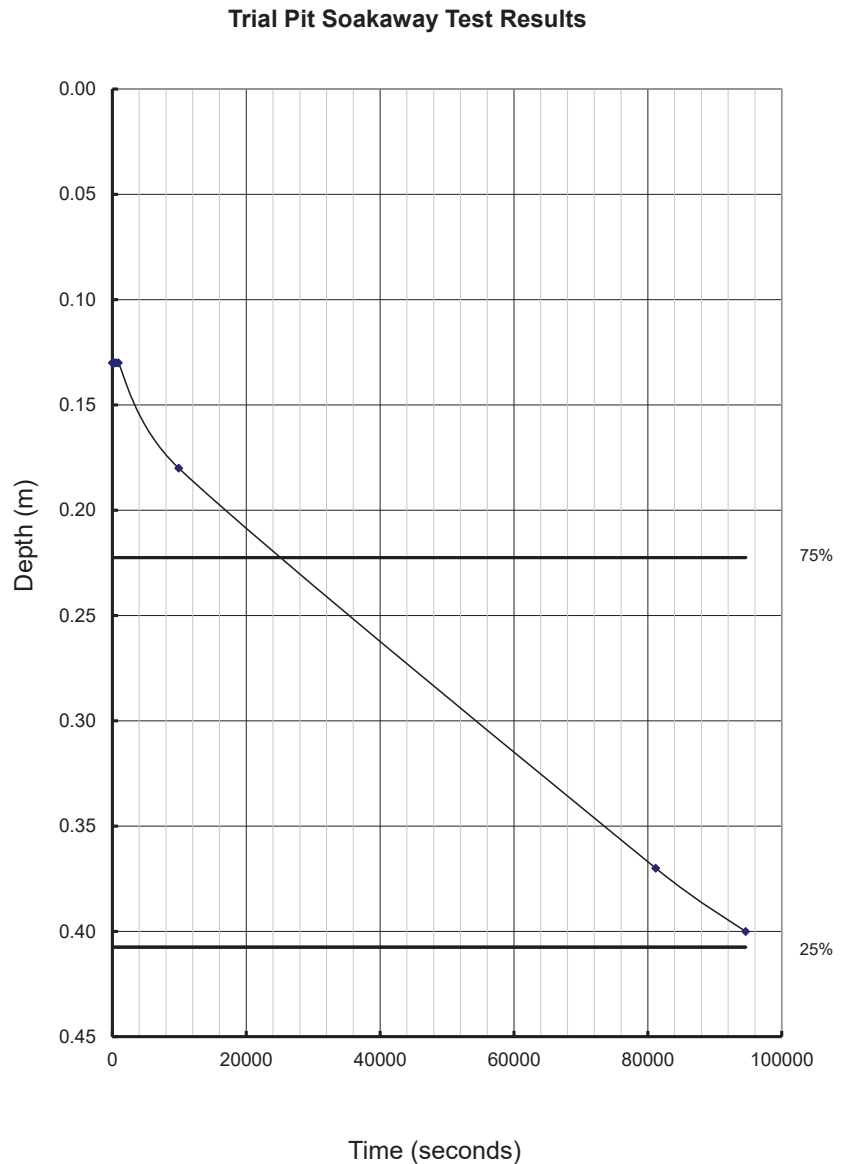
Results	
Vp 75-25 (m3)	0.72
ap 50 (m2)	4.44
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments

1. Trial pit dry prior to soakaway test.
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RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ

Location	TP220	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	2.00
Job number	305035	Width of trial pit (m)	8.00
Test date	22 January 2019	Water level at start (mbgl)	0.13
Operator	Edward Hughes-Phillips  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]

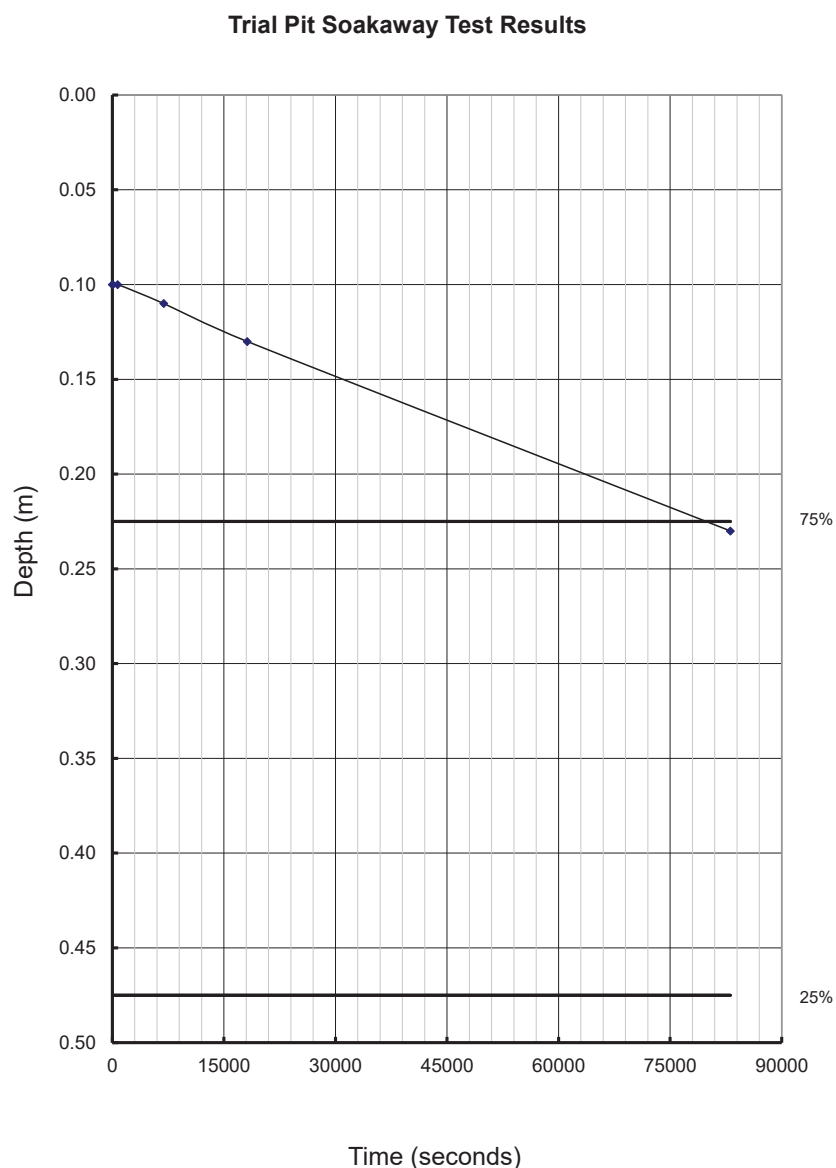
Results	
Vp 75-25 (m3)	2.96
ap 50 (m2)	19.70
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments

1. Trial pit dry prior to soakaway test.
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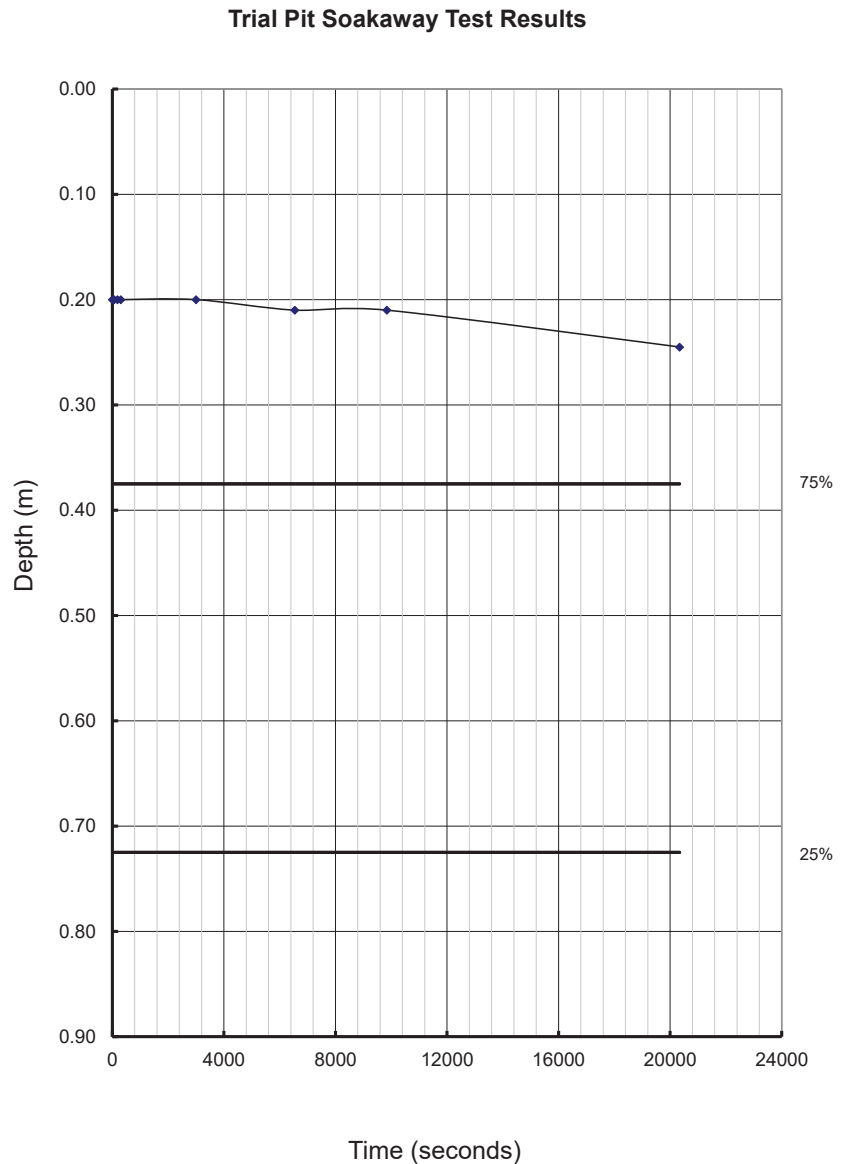
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre,
Premier Way, Romsey, SO51 9AQ

Location	TP221	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	1.80
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.10
Operator	Edward Hughes-Phillips <i>EH</i> 27-Feb-19	Depth to base of trial pit (mbgl)	0.60
Checked by	Kirsten Fairall 27-Feb-19	Depth of pit at end of test (mbgl)	0.60

[illegible]

Results		Comments
Vp 75-25 (m3)	0.27	1. Trial pit dry prior to soakaway test.
ap 50 (m2)	2.28	
tp 75-25 (s)	-	
Infiltration Rate (m/s)	-	
		RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

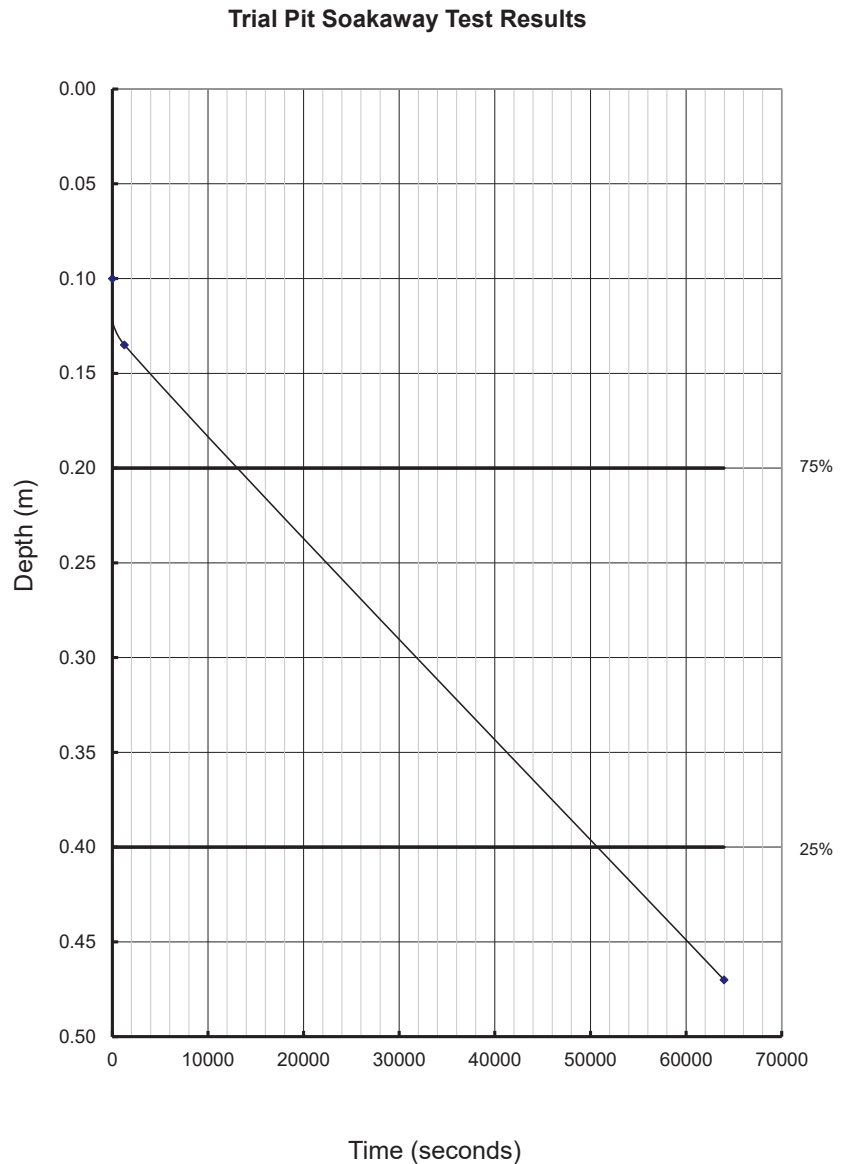
Location	TP222	Test number	1
Site	Sefter Road, Bognor Regis, PO21 3EE	Length of trial pit (m)	1.85
Job number	305035	Width of trial pit (m)	0.60
Test date	23 January 2019	Water level at start (mbgl)	0.20
Operator	Edward Hughes-Phillips  27-Feb-19	Depth to base of trial pit (mbgl)	0.90
Checked by	Kirsten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

[illegible]

Results	
Vp 75-25 (m3)	0.39
ap 50 (m2)	2.83
tp 75-25 (s)	-
Infiltration Rate (m/s)	-

Comments
1. Groundwater at 0.90 m prior to soakaway test.
RSK Environment Ltd, Unit 26 Basepoint Abbey Enterprise Centre, Premier Way, Romsey, SO51 9AQ

Location	TP223	Test number	2
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)	0.10
Operator	Edward Hughes-Phillips  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	
Vp 75-25 (m3)	0.25
ap 50 (m2)	2.34
tp 75-25 (s)	38000
Infiltration Rate (m/s)	2.83E-06

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

Appendix (D)
Existing Drainage Regime

[illegible]

Client:- **Taylor Wimpey**

Site:- Seftor Road, Bognor	Drawing Title:- Preliminary Survey Requirements
----------------------------------	--

Date:	May 2019	Scales:	1:2000 at A1
Drawn:	TS	Checked:	TS
		Approved:	TS

Drawing No. WSC/E4775/011A

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Appendix (E)

Proposed Surface Water Strategy



NOTES

1. All dimensions are in metres unless stated otherwise.
2. Do not scale from this drawing. Only written dimensions are to be used.
3. Site layout based on Cooper Bailey Planning Layout, drawing number CB_84-139_001 Rev C dated 16th March 2021.
4. Topographical survey based on MK Surveys layout, drawing number 22496-2 dated January 2021.
5. Level strategy is subject to further design development. Cover Levels are indicative only and subject to further detailed review.
6. The proposed surface and foul water drainage show is indicative only and subject to further design development. Detailed proposals for the surface and foul water drainage strategy will be provided as part of the Discharge of Conditions applications associated with the current Outline Planning Consent P.134.16.0UT.
7. **ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.**

KEY

- Site Boundary
- Potential School, care home or residential site under separate planning application
- Proposed Surface Water Sewer
- Proposed Foul Water Sewer
- Basin and swale base to consist of 300mm free draining topsoil and clean coarse granular material nominal size 40/60mm with full depth 0.5m channel to allow for water flow
- Proposed Headwall
- Existing Trees And Hedgerows root protection areas. Any works to be carried out to be undertaken in accordance with arboriculturist's method statement and approval
- Proposed Indicative permeable paving (Subject to further soakage and infiltration testing to inform permeability rates and depths within parking areas and driveway)
- Indicative location of 0.5m high bund to prevent over ground water flow entering existing residents plots from SuDs features.
- Indicative location of 140m² attenuation tank
- Indicative gradient for SuDs basins and swale

GENERAL POND DETAIL NOTES:

- Basins to be lined with an impermeable geo-membrane and backfilled with 200mm free draining topsoil and min 50mm depth of clean granular material (250mm total depth to counter groundwater buoyancy)

- 0.5m wide gravel channel to full 250mm depth to add with water flow
- Top Protective geotextile - Terram T1000 or similar and Geomembrane - Visqueen HD UDG or similar and Bottom Protective geotextile - Terram T1000 or similar.
- 300 x 300 anchor trench filled with compacted earth.
- Geotextiles and geomembrane to extend around 300 x 300 anchor trench filled with compacted earth.

Existing watercourse to be diverted around proposed pond 4 and culverted under proposed road. Subject to OWC application

Headwall design (to be confirmed)
CL 5.752
IL 4.071

GENERAL POND DETAIL NOTES:

- Basins to be lined with an impermeable geo-membrane and backfilled with 300mm free draining topsoil and min 200mm depth of clean granular material (500mm total depth to counter groundwater buoyancy)

- 0.5m wide gravel channel to full 500mm depth to add with water flow
- Top Protective geotextile - Terram T1000 or similar and Geomembrane - Visqueen HD UDG or similar and Bottom Protective geotextile - Terram T1000 or similar.
- 300 x 300 anchor trench filled with compacted earth.
- Geotextiles and geomembrane to extend around 300 x 300 anchor trench filled with compacted earth.

Headwall design (to be confirmed)
CL 5.55
IL 4.056

Pond 5
Base Level = 4.023m
Surface Area = 263.5m²
Base Area = 67.5m²
Depth = 1.333m
Total volume = 315.1m³

Pond 4
Base Level = 4.071m
Surface Area = 325.6m²
Base Area = 95.2m²
Depth = 1.681m
Total volume = 234.8m³

Proposed manholes S73 and F32 allowing for future provision of surface water run-off and foul water sewage from potential school, care home or residential site into the proposed main development drainage network.

Attenuation Tank
Cover Level = 5.7m
Top Level = 5.269m
Invert Level = 4.069m
Surface Area = 140m²
Base Area = 140m²
Depth = 1.2m
Total volume = 168m³

Hydrobrake
Design flow of 3.5 L/S
Design head 1.2m
CL 5.550
IL 4.012

Proposed outfall into existing culvert

Hydrobrake
Design flow of 5 L/S
Design head 1.2m
CL 5.550
IL 4.019

Headwall design (to be confirmed)
CL 5.62
IL 4.035

Pond 6
Base Level = 4.035
Surface Area = 424.7m²
Base Area = 184.6m²
Depth = 1.3m
Total volume = 399.3m³

Headwall design (to be confirmed)
CL 5.62
IL 4.058

GENERAL POND DETAIL NOTES:

- Basins to be lined with an impermeable geo-membrane and backfilled with 300mm free draining topsoil and min 150mm depth of clean granular material (450mm total depth to counter groundwater buoyancy)

- 0.5m wide gravel channel to full 450mm depth to add with water flow
- Top Protective geotextile - Terram T1000 or similar and Geomembrane - Visqueen HD UDG or similar and Bottom Protective geotextile - Terram T1000 or similar.
- 300 x 300 anchor trench filled with compacted earth.
- Geotextiles and geomembrane to extend around 300 x 300 anchor trench filled with compacted earth.

CDM NOTES

1. **EXISTING SERVICES:** Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

SCALE BAR 1:500 at A1

Rev	Date	Details	By	Chk	Appd
D	19.09.21	Site layout updated.		TK	LD
C	04.02.21	Note added for future provision of school, care home, residential site drainage provision within development drainage network and site layout updated.		TK	LD
B	22.01.21	0.5m high bund added to south eastern SuDs features, topographical survey and site layout updated.		TK	LD
A	11.01.21	Surface water and foul water networks updated to suit latest site layout		TK	LD

Client: **Taylor Wimpey**

Site: Sefter Road, Bognor

Drawing Title: Surface Water Drainage Strategy Layout

Sheet 1 of 3

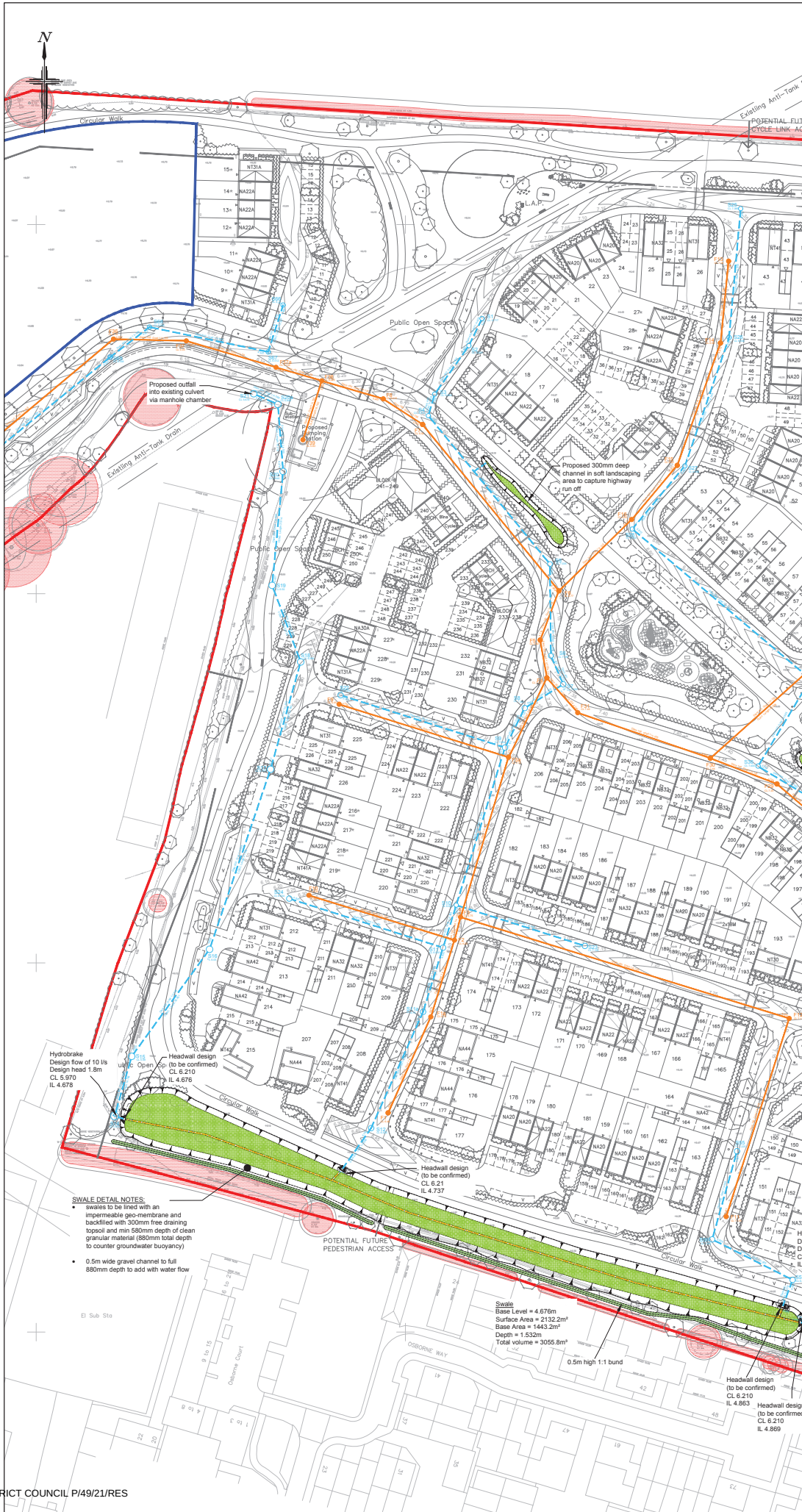
Date: January 2020 Scales: 1:500 at A1

Drawn: TK Checked: TK Approved: TRS

Drawing No. WSC/E4775/008 D

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- NOTES**
1. All dimensions are in metres unless stated otherwise.
 2. Do not scale from this drawing. Only written dimensions are to be used.
 3. Site layout based on Cooper Bailey Planning Layout, drawing number CB_84-139_001 Rev C dated 16th March 2021.
 4. Topographical survey based on MK Surveys layout, drawing number 22496-2 dated January 2021.
 5. Level strategy is subject to further design development. Cover Levels are indicative only and subject to further detailed review
 6. The proposed surface and foul water drainage show is indicative only and subject to further design development. Detailed proposals for the surface and foul water drainage strategy will be provided as part of the Discharge of Conditions applications associated with the current Outline Planning Consent P.134.16.0UT
 7. **ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.**

- KEY**
- Site Boundary
 - Potential School, care home or residential site under separate planning application
 - Proposed Surface Water Sewer
 - Proposed Foul Water Sewer
 - Basin and swale base to consist of 300mm free draining topsoil and clean coarse granular material nominal size 40/60mm with full depth 0.5m channel to allow for water flow
 - Proposed Headwall
 - Existing Trees And Hedgerows root protection areas. Any works to be carried out to be undertaken in accordance with arboricultural's method statement and approval
 - Proposed indicative permeable paving (Subject to further soakage and infiltration testing to inform permeability rates and depths within parking areas and driveway)
 - Indicative location of 0.5m high bund to prevent over ground water flow entering existing residents plots from SuDs features.
 - Indicative location of 140m² attenuation tank
 - Indicative gradient for SuDs basins and swale

CDM NOTES

1. **EXISTING SERVICES:** Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.



Rev	Date	Details	By	Chkd	Appd
D	19.03.21	Site layout updated	TK	LD	TRS
C	04.03.21	Chamber SIDs added and site layout updated	TK	LD	TRS
B	22.01.21	0.5m high bund added to south eastern SuDs features.	TK	LD	TRS
A	11.01.21	Surface water and foul water networks updated to suit latest site layout	TK	LD	TRS

Client: **Taylor Wimpey**

Site: Sefter Road, Bognor

Drawing Title: Surface Water Drainage Strategy Layout

Sheet 2 of 3

Date: January 2020

Drawn: TK Checked: TK Approved: TRS

Drawing No: **WSC/E4775/009 D**

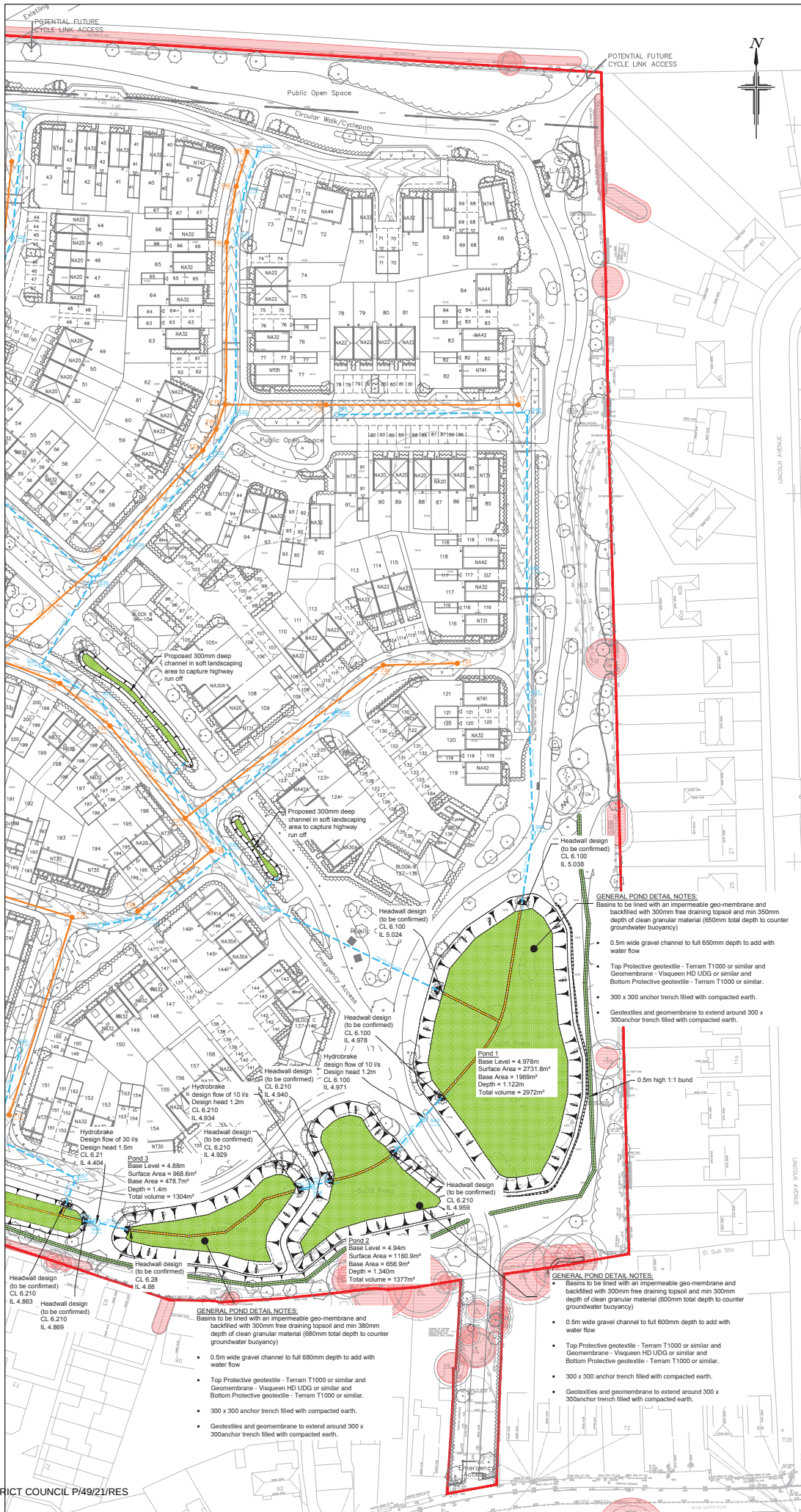
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SWALE DETAIL NOTES:

- Swales to be lined with an impermeable geo-membrane and backfilled with 300mm free draining topsoil and min 500mm depth of clean granular material (800mm total depth to counter groundwater buoyancy)
- 0.5m wide gravel channel to full 880mm depth to add with water flow

Swale
Base Level = 4.676m
Surface Area = 2132.2m²
Base Area = 1443.2m²
Depth = 1.532m
Total Volume = 3055.8m³



NOTES

- All dimensions are in metres unless stated otherwise.
- Do not scale from this drawing. Only written dimensions are to be used.
- Site layout based on Cooper Bailey Planning Layout, drawing number CB_84-139_001 Rev C dated 16th March 2021.
- Topographical survey based on MK Surveys layout, drawing number 22496-2 dated January 2021.
- Level strategy is subject to further design development. Cover Levels are indicative only and subject to further design development.
- The proposed surface and foul water drainage show is indicative only and subject to further design development. Detailed proposals for the surface and foul water drainage strategy will be provided as part of the Discharge of Conditions applications associated with the current Outline Planning Consent P-134.16.00T.
- ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.**

KEY

- Site Boundary
- Potential School, care home or residential site under separate planning application
- Proposed Surface Water Sewer
- Proposed Foul Water Sewer
- Basin and swale base to consist of 300mm free draining topsoil and clean coarse granular material nominal size 40/60mm with full depth 0.5m channel to allow for water flow
- Proposed Headwall
- Existing Trees And Hedgerows root protection areas. Any works to be carried out to be undertaken in accordance with arboriculturist's method statement and approval
- Proposed indicative permeable paving (Subject to further soakage and infiltration testing to inform permeability rates and depths within parking areas and driveway)
- Indicative location of 0.5m high bund to prevent over ground water flow entering existing residents plots from SuDs features.
- Indicative location of 140m² attenuation tank
- Indicative gradient for SuDs basins and swale

CDM NOTES

- EXISTING SERVICES:** Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

SCALE BAR 1:500 at A1

Rev	Date	Details	By	Chk	Appd
D	19.05.21	Site layout updated.		TK	LD TRS
C	04.02.21	Site layout updated.		TK	LD TRS
B	29.01.21	0.5m high bund added to south eastern SuDs features.		TK	LD TRS
A	11.01.21	Surface water and foul water networks updated to suit latest site layout		TK	LD TRS

Client:

Taylor Wimpey

Site:

Sefter Road, Bognor

Drawing Title:

Surface Water Drainage Strategy Layout

Sheet 3 of 3

Date:

January 2020

Drawn:

TK

Checked:

TK

Approved:

TRS

Drawing No.

WSC/E4775/010 D

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Appendix (F)

Micro Drainage Calculations

Rogers Cory Partnership		Page 0
The Old School Old School Road Hook Hampshire RG27 9NJ		
Date 02.02.2021	Designed by Tim K	
File SW1-STRAT SEPARATE.MDX	Checked by Terry S	
Innovyze		Network 2014.1.1

STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Storm - Net 1

Pipe Sizes STANDARD Manhole Sizes STANDARD

FSR Rainfall Model - England and Wales

Return Period (years)	2	Add Flow / Climate Change (%)	10
M5-60 (mm)	19.000	Minimum Backdrop Height (m)	0.000
Ratio R	0.350	Maximum Backdrop Height (m)	0.000
Maximum Rainfall (mm/hr)	50	Min Design Depth for Optimisation (m)	1.200
Maximum Time of Concentration (mins)	30	Min Vel for Auto Design only (m/s)	1.00
Foul Sewage (l/s/ha)	0.000	Min Slope for Optimisation (1:X)	500
Volumetric Runoff Coeff.	0.750		

Designed with Level Inverts

Network Design Table for Storm - Net 1

« - Indicates pipe capacity < flow

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Auto Design
1.000	8.170	0.020	405.0	0.134	5.00	0.0	0.600	o	450	
1.001	16.082	0.040	405.0	0.000	0.00	0.0	0.600	o	450	
1.002	6.076	0.015	405.0	0.000	0.00	0.0	0.600	o	450	
1.003	51.953	0.128	405.0	0.052	0.00	0.0	0.600	o	450	
1.004	24.842	0.061	405.0	0.158	0.00	0.0	0.600	o	450	
1.005	8.430	0.021	405.0	0.000	0.00	0.0	0.600	o	450	
1.006	12.254	0.030	405.0	0.060	0.00	0.0	0.600	o	450	
1.007	11.965	0.030	405.0	0.084	0.00	0.0	0.600	o	450	
2.000	46.726	0.080	585.0	0.103	5.00	0.0	0.600	o	600	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL Σ (m)	I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	50.00	5.14	5.447	0.134	0.0	0.0	1.8	1.00	159.7	20.0
1.001	50.00	5.40	5.426	0.134	0.0	0.0	1.8	1.00	159.7	20.0
1.002	50.00	5.50	5.386	0.134	0.0	0.0	1.8	1.00	159.7	20.0
1.003	50.00	6.37	5.371	0.186	0.0	0.0	2.5	1.00	159.7	27.7
1.004	50.00	6.78	5.243	0.344	0.0	0.0	4.7	1.00	159.7	51.2
1.005	50.00	6.92	5.182	0.344	0.0	0.0	4.7	1.00	159.7	51.2
1.006	50.00	7.12	5.161	0.404	0.0	0.0	5.5	1.00	159.7	60.2
1.007	50.00	7.32	5.131	0.488	0.0	0.0	6.6	1.00	159.7	72.7
2.000	50.00	5.78	5.031	0.103	0.0	0.0	1.4	1.00	282.6	15.3

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Rogers Cory Partnership										Page 1
The Old School Old School Road Hook Hampshire RG27 9NJ										
Date 02.02.2021										
File SW1-STRAT SEPARATE.MDX										
Innovyze						Designed by Tim K Checked by Terry S				
Network 2014.1.1										
Network Design Table for Storm - Net 1										
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Auto Design
1.008	44.678	0.076	587.9	0.000	0.00	0.0	0.600	o	600	
3.000	36.559	0.062	585.0	0.370	5.00	0.0	0.600	o	600	
1.009	12.064	0.021	574.5	0.104	0.00	0.0	0.600	o	600	
4.000	43.717	0.075	585.0	0.000	5.00	0.0	0.600	o	600	
1.010	18.207	0.094	193.7	0.000	0.00	0.0	0.600	o	600	
1.011	36.653	0.031	1182.3	0.000	0.00	0.0	0.600	o	600	
1.012	17.479	0.030	585.0	0.233	0.00	0.0	0.600	o	600	
5.000	36.452	0.149	245.0	0.091	5.00	0.0	0.600	o	300	
5.001	35.432	0.145	245.0	0.036	0.00	0.0	0.600	o	300	
5.002	22.241	0.091	245.0	0.115	0.00	0.0	0.600	o	300	
5.003	61.045	0.249	245.0	0.061	0.00	0.0	0.600	o	300	
6.000	12.093	0.049	245.0	0.135	5.00	0.0	0.600	o	300	
6.001	12.311	0.050	245.0	0.023	0.00	0.0	0.600	o	300	
6.002	48.848	0.199	245.0	0.026	0.00	0.0	0.600	o	300	
6.003	12.549	0.051	245.0	0.126	0.00	0.0	0.600	o	300	
6.004	32.313	0.132	245.0	0.009	0.00	0.0	0.600	o	300	
Network Results Table										
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.008	50.00	8.07	4.951	0.591	0.0	0.0	8.0	1.00	281.9	88.0
3.000	50.00	5.61	4.938	0.370	0.0	0.0	5.0	1.00	282.6	55.1
1.009	49.77	8.27	4.874	1.065	0.0	0.0	14.4	1.01	285.2	157.9
4.000	50.00	5.73	4.925	0.000	0.0	0.0	0.0	1.00	282.6	0.0
1.010	49.26	8.44	4.850	1.065	0.0	0.0	14.4	1.75	493.7	157.9
1.011	46.90	9.31	4.819	1.065	0.0	0.0	14.4	0.70	197.8	157.9
1.012	46.17	9.60	4.760	1.298	0.0	0.0	16.2	1.00	282.6	178.5
5.000	50.00	5.61	6.255	0.091	0.0	0.0	1.2	1.00	70.7	13.6
5.001	50.00	6.20	6.112	0.127	0.0	0.0	1.7	1.00	70.7	18.9
5.002	50.00	6.57	5.962	0.242	0.0	0.0	3.3	1.00	70.7	36.0
5.003	50.00	7.59	5.872	0.303	0.0	0.0	4.1	1.00	70.7	45.1
6.000	50.00	5.20	6.153	0.135	0.0	0.0	1.8	1.00	70.7	20.1
6.001	50.00	5.41	6.104	0.158	0.0	0.0	2.1	1.00	70.7	23.5
6.002	50.00	6.22	6.054	0.184	0.0	0.0	2.5	1.00	70.7	27.4
6.003	50.00	6.43	5.855	0.310	0.0	0.0	4.2	1.00	70.7	46.2
6.004	50.00	6.97	5.804	0.319	0.0	0.0	4.3	1.00	70.7	47.5
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Rogers Cory Partnership										Page 2	
The Old School Old School Road Hook Hampshire RG27 9NJ											
Date 02.02.2021						Designed by Tim K					
File SW1-STRAT SEPARATE.MDX						Checked by Terry S					
Innovyze						Network 2014.1.1					
<u>Network Design Table for Storm - Net 1</u>											
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Auto Design	
6.005	16.781	0.068	245.0	0.169	0.00	0.0	0.600	o	300		
5.004	25.610	0.044	585.0	0.089	0.00	0.0	0.600	o	600		
5.005	21.502	0.037	585.0	0.044	0.00	0.0	0.600	o	600		
5.006	41.994	0.072	585.0	0.075	0.00	0.0	0.600	o	600		
7.000	47.265	0.081	585.0	0.152	5.00	0.0	0.600	o	600		
5.007	11.281	0.019	585.0	0.000	0.00	0.0	0.600	o	600		
8.000	12.138	0.021	585.0	0.089	5.00	0.0	0.600	o	600		
8.001	28.753	0.049	585.0	0.087	0.00	0.0	0.600	o	600		
5.008	19.574	0.033	585.0	0.000	0.00	0.0	0.600	o	600		
5.009	69.926	0.120	585.0	0.110	0.00	0.0	0.600	o	600		
9.000	51.692	0.088	585.0	0.198	5.00	0.0	0.600	o	600		
9.001	42.526	0.073	585.0	0.074	0.00	0.0	0.600	o	600		
9.002	33.343	0.057	585.0	0.066	0.00	0.0	0.600	o	600		
9.003	38.205	0.065	585.0	0.051	0.00	0.0	0.600	o	600		
9.004	53.115	0.091	585.0	0.000	0.00	0.0	0.600	o	600		
<u>Network Results Table</u>											
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)	
6.005	50.00	7.25	5.672	0.488	0.0	0.0	6.6	1.00	70.7«	72.7	
5.004	50.00	8.01	5.314	0.880	0.0	0.0	11.9	1.00	282.6	131.1	
5.005	49.46	8.37	5.270	0.924	0.0	0.0	12.4	1.00	282.6	136.2	
5.006	47.53	9.07	5.233	0.999	0.0	0.0	12.9	1.00	282.6	141.4	
7.000	50.00	5.79	5.242	0.152	0.0	0.0	2.1	1.00	282.6	22.6	
5.007	47.04	9.26	5.161	1.151	0.0	0.0	14.7	1.00	282.6	161.3	
8.000	50.00	5.20	5.212	0.089	0.0	0.0	1.2	1.00	282.6	13.3	
8.001	50.00	5.68	5.191	0.176	0.0	0.0	2.4	1.00	282.6	26.2	
5.008	46.21	9.59	5.142	1.327	0.0	0.0	16.6	1.00	282.6	182.7	
5.009	43.53	10.75	5.109	1.437	0.0	0.0	16.9	1.00	282.6	186.4	
9.000	50.00	5.86	5.354	0.198	0.0	0.0	2.7	1.00	282.6	29.5	
9.001	50.00	6.57	5.266	0.272	0.0	0.0	3.7	1.00	282.6	40.5	
9.002	50.00	7.13	5.193	0.338	0.0	0.0	4.6	1.00	282.6	50.3	
9.003	50.00	7.76	5.136	0.389	0.0	0.0	5.3	1.00	282.6	57.9	
9.004	48.67	8.65	5.071	0.389	0.0	0.0	5.3	1.00	282.6	57.9	
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Innovyze					Network 2014.1.1					
Network Design Table for Storm - Net 1										
PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Auto Design
5.010	32.690	0.033	1000.0	0.000	0.00	0.0	0.600	o	900	
5.011	17.114	0.017	1000.0	0.000	0.00	0.0	0.600	o	900	
5.012	19.459	0.019	1000.0	0.000	0.00	0.0	0.600	o	900	
5.013	45.631	0.046	1000.0	0.000	0.00	0.0	0.600	o	900	
5.014	15.473	0.015	1000.0	0.000	0.00	0.0	0.600	o	900	
5.015	9.647	0.010	1000.0	0.000	0.00	0.0	0.600	o	900	
10.000	24.809	0.042	585.0	0.018	5.00	0.0	0.600	o	600	
10.001	24.411	0.042	585.0	0.095	0.00	0.0	0.600	o	600	
10.002	11.560	0.020	585.0	0.137	0.00	0.0	0.600	o	600	
5.016	126.325	0.126	1002.6	0.000	0.00	0.0	0.600	o	900	
1.013	61.657	0.062	1000.0	0.000	0.00	0.0	0.600	o	900	
1.014	16.789	0.029	585.0	0.000	0.00	0.0	0.600	o	600	
1.015	35.851	0.061	585.0	0.000	0.00	0.0	0.600	o	600	
1.016	51.505	0.088	585.0	0.000	0.00	0.0	0.600	o	600	
1.017	30.185	0.052	585.0	0.000	0.00	0.0	0.600	o	600	
1.018	22.128	0.038	585.0	0.000	0.00	0.0	0.600	o	600	
1.019	31.014	0.053	585.0	0.000	0.00	0.0	0.600	o	600	
1.020	22.497	0.038	585.0	0.000	0.00	0.0	0.600	o	600	
1.021	18.212	0.031	587.5	0.000	0.00	0.0	0.600	o	600	
Network Results Table										
PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
5.010	42.39	11.31	5.004	1.826	0.0	0.0	21.0	0.98	625.0	230.6
5.011	41.83	11.60	4.971	1.826	0.0	0.0	21.0	0.98	625.0	230.6
5.012	41.22	11.93	4.954	1.826	0.0	0.0	21.0	0.98	625.0	230.6
5.013	39.85	12.70	4.934	1.826	0.0	0.0	21.0	0.98	625.0	230.6
5.014	39.41	12.96	4.888	1.826	0.0	0.0	21.0	0.98	625.0	230.6
5.015	39.14	13.13	4.872	1.826	0.0	0.0	21.0	0.98	625.0	230.6
10.000	50.00	5.41	4.967	0.018	0.0	0.0	0.2	1.00	282.6	2.7
10.001	50.00	5.82	4.925	0.113	0.0	0.0	1.5	1.00	282.6	16.8
10.002	50.00	6.01	4.883	0.250	0.0	0.0	3.4	1.00	282.6	37.2
5.016	36.00	15.27	4.863	2.076	0.0	0.0	21.0	0.98	624.2	230.6
1.013	34.67	16.32	4.737	3.374	0.0	0.0	31.7	0.98	625.0	348.5
1.014	34.34	16.60	4.674	3.374	0.0	0.0	31.7	1.00	282.6	348.5
1.015	33.65	17.20	4.657	3.374	0.0	0.0	31.7	1.00	282.6	348.5
1.016	32.71	18.06	4.569	3.374	0.0	0.0	31.7	1.00	282.6	348.5
1.017	32.19	18.56	4.517	3.374	0.0	0.0	31.7	1.00	282.6	348.5
1.018	31.82	18.93	4.465	3.374	0.0	0.0	31.7	1.00	282.6	348.5
1.019	31.32	19.45	4.427	3.374	0.0	0.0	31.7	1.00	282.6	348.5
1.020	30.97	19.82	4.374	3.374	0.0	0.0	31.7	1.00	282.6	348.5
1.021	30.69	20.12	4.343	3.374	0.0	0.0	31.7	1.00	282.0	348.5
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Manhole Schedules for Storm - Net 1										
MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)
1	6.717	1.270	Open Manhole	1350	1.000	5.447	450			
2	6.631	1.205	Open Manhole	1500	1.001	5.426	450	1.000	5.427	450
3	6.500	1.114	Open Manhole	1350	1.002	5.386	450	1.001	5.386	450
4	6.475	1.104	Open Manhole	1350	1.003	5.371	450	1.002	5.371	450
5	7.035	1.792	Open Manhole	1350	1.004	5.243	450	1.003	5.243	450
6	7.287	2.105	Open Manhole	1350	1.005	5.182	450	1.004	5.182	450
7	7.350	2.189	Open Manhole	1350	1.006	5.161	450	1.005	5.161	450
8	7.041	1.910	Open Manhole	1350	1.007	5.131	450	1.006	5.131	450
22	6.450	1.419	Open Manhole	1500	2.000	5.031	600			
9	7.094	2.143	Open Manhole	1500	1.008	4.951	600	1.007	5.101	450
								2.000	4.951	600
23	7.100	2.162	Open Manhole	1500	3.000	4.938	600			
10	6.825	1.951	Open Manhole	1500	1.009	4.874	600	1.008	4.875	600
								3.000	4.876	600
24	6.234	1.309	Open Manhole	1500	4.000	4.925	600			
11	6.900	2.050	Open Manhole	1500	1.010	4.850	600	1.009	4.853	600
								4.000	4.850	600
11a	6.750	1.994	Open Manhole	1500	1.011	4.819	600	1.010	4.756	600
12	6.425	1.665	Open Manhole		1.012	4.760	600	1.011	4.788	600
25	7.389	1.134	Open Manhole	1200	5.000	6.255	300			
26	6.930	0.824	Open Manhole	1200	5.001	6.112	300	5.000	6.106	300
27	6.550	0.588	Open Manhole	1200	5.002	5.962	300	5.001	5.967	300
28	6.550	0.679	Open Manhole	1200	5.003	5.872	300	5.002	5.871	300
29	7.300	1.147	Open Manhole	1200	6.000	6.153	300			
30	6.850	0.746	Open Manhole	1200	6.001	6.104	300	6.000	6.104	300
31	6.975	0.921	Open Manhole	1200	6.002	6.054	300	6.001	6.054	300
32	7.400	1.545	Open Manhole	1200	6.003	5.855	300	6.002	5.855	300
33	7.450	1.646	Open Manhole	1200	6.004	5.804	300	6.003	5.804	300
34	7.275	1.603	Open Manhole	1200	6.005	5.672	300	6.004	5.672	300
35	7.100	1.786	Open Manhole	1500	5.004	5.314	600	5.003	5.623	300
								6.005	5.604	300
36	7.400	2.130	Open Manhole	1500	5.005	5.270	600	5.004	5.270	600
37	7.250	2.017	Open Manhole	1500	5.006	5.233	600	5.005	5.233	600
48	6.600	1.358	Open Manhole	1500	7.000	5.242	600			
38	6.635	1.474	Open Manhole	1500	5.007	5.161	600	5.006	5.161	600
								7.000	5.161	600
53	7.036	1.824	Open Manhole	1500	8.000	5.212	600			
54	6.922	1.731	Open Manhole	1500	8.001	5.191	600	8.000	5.191	600
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<u>Manhole Schedules for Storm - Net 1</u>										
MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)
39	6.730	1.588	Open Manhole	1500	5.008	5.142	600	5.007	5.142	
								8.001	5.142	
40	6.330	1.221	Open Manhole		5.009	5.109	600	5.008	5.109	
48	7.150	1.796	Open Manhole	1350	9.000	5.354	600			
49	6.766	1.500	Open Manhole	1500	9.001	5.266	600	9.000	5.266	
50	6.350	1.157	Open Manhole	1500	9.002	5.193	600	9.001	5.193	
51	6.387	1.251	Open Manhole	1500	9.003	5.136	600	9.002	5.136	
52	6.571	1.500	Open Manhole		9.004	5.071	600	9.003	5.071	
41	5.990	1.010	Junction	0	5.010	5.004	900	5.009	4.989	
								9.004	4.980	
42	6.040	1.069	Open Manhole		5.011	4.971	900	5.010	4.971	
43	6.140	1.186	Junction	0	5.012	4.954	900	5.011	4.954	
44	6.187	1.253	Open Manhole		5.013	4.934	900	5.012	4.935	
45	6.280	1.392	Junction	0	5.014	4.888	900	5.013	4.888	
46	6.210	1.338	Open Manhole		5.015	4.872	900	5.014	4.873	
55	7.225	2.258	Open Manhole	1500	10.000	4.967	600			
56	7.091	2.166	Open Manhole	1500	10.001	4.925	600	10.000	4.925	
57	6.831	1.948	Open Manhole		10.002	4.883	600	10.001	4.883	
47	6.210	1.348	Junction		5.016	4.863	900	5.015	4.862	
								10.002	4.863	
13	6.210	1.480	Junction	0	1.013	4.737	900	1.012	4.730	
								5.016	4.737	
14	5.970	1.296	Open Manhole	2100	1.014	4.674	600	1.013	4.675	
15	5.980	1.335	Open Manhole	1800	1.015	4.657	600	1.014	4.645	
16	6.050	1.481	Open Manhole	1800	1.016	4.569	600	1.015	4.596	
17	6.175	1.694	Open Manhole	1800	1.017	4.517	600	1.016	4.481	
18	6.395	1.930	Open Manhole	1800	1.018	4.465	600	1.017	4.465	
19	6.500	2.073	Open Manhole	1800	1.019	4.427	600	1.018	4.427	
20	5.678	1.304	Open Manhole	1800	1.020	4.374	600	1.019	4.374	
20a	5.678	1.342	Open Manhole	1500	1.021	4.343	600	1.020	4.336	
21	6.100	1.788	Open Manhole	0		OUTFALL		1.021	4.312	
<u>Surcharged Outfall Details for Storm - Net 1</u>										
Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)				
1.021	21	6.100	4.312	0.000	0	0				
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1 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for Storm - Net 1

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	5
Number of Online Controls	4	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.350
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
Analysis Timestep	Fine	Inertia Status	ON
DTS Status	OFF		

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	Storm	Return Period	Climate Change	First X Surchage	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
1.000	15 Winter	1	0%	100/15 Summer				
1.001	15 Winter	1	0%	100/15 Summer				
1.002	15 Winter	1	0%	100/15 Summer				
1.003	15 Winter	1	0%	100/15 Summer				
1.004	15 Winter	1	0%	30/15 Winter				
1.005	15 Winter	1	0%	100/15 Summer				
1.006	15 Winter	1	0%	100/15 Summer				
1.007	15 Winter	1	0%	100/15 Summer				
2.000	15 Winter	1	0%	100/15 Summer				
1.008	15 Winter	1	0%	100/15 Summer				
3.000	30 Winter	1	0%	100/15 Summer				
1.009	15 Winter	1	0%	30/15 Winter				
4.000	30 Winter	1	0%	100/15 Summer				
1.010	30 Winter	1	0%	30/30 Winter				
1.011	30 Winter	1	0%	100/15 Summer				
1.012	30 Winter	1	0%	100/15 Summer				
5.000	15 Winter	1	0%	100/15 Summer				
5.001	15 Winter	1	0%	100/15 Summer				
5.002	15 Winter	1	0%	30/15 Summer	100/15 Summer			5
5.003	15 Winter	1	0%	30/15 Summer	100/15 Winter			2
6.000	15 Winter	1	0%	30/15 Summer				

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<u>1 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for Storm - Net 1</u>																																																																																																		
PN	Storm	Return Period	Climate Change	First X Surcharge	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.																																																																																										
6.001	15 Winter	1	0%	30/15 Summer	100/15 Summer			6																																																																																										
6.002	15 Winter	1	0%	30/15 Summer																																																																																														
6.003	15 Winter	1	0%	30/15 Summer																																																																																														
6.004	15 Winter	1	0%	30/15 Summer																																																																																														
6.005	15 Winter	1	0%	30/15 Summer																																																																																														
5.004	15 Winter	1	0%	100/15 Summer																																																																																														
5.005	15 Winter	1	0%	30/15 Winter																																																																																														
5.006	15 Winter	1	0%	30/30 Summer																																																																																														
7.000	15 Winter	1	0%	100/15 Summer																																																																																														
5.007	15 Winter	1	0%	30/15 Winter																																																																																														
8.000	30 Winter	1	0%	100/15 Summer																																																																																														
8.001	30 Winter	1	0%	100/15 Summer																																																																																														
5.008	30 Winter	1	0%	100/15 Summer																																																																																														
5.009	30 Winter	1	0%	100/15 Summer																																																																																														
9.000	15 Winter	1	0%																																																																																															
9.001	15 Winter	1	0%																																																																																															
9.002	15 Winter	1	0%																																																																																															
9.003	15 Winter	1	0%																																																																																															
9.004	15 Winter	1	0%																																																																																															
5.010	1440 Winter	1	0%																																																																																															
5.011	1440 Winter	1	0%																																																																																															
5.012	2880 Winter	1	0%																																																																																															
5.013	2880 Winter	1	0%																																																																																															
5.014	2880 Winter	1	0%																																																																																															
5.015	2880 Winter	1	0%																																																																																															
10.000	15 Winter	1	0%																																																																																															
10.001	15 Winter	1	0%																																																																																															
10.002	15 Winter	1	0%																																																																																															
5.016	2880 Winter	1	0%																																																																																															
1.013	2880 Winter	1	0%																																																																																															
1.014	2880 Winter	1	0%	100/360 Winter																																																																																														
1.015	2880 Winter	1	0%																																																																																															
1.016	2880 Winter	1	0%																																																																																															
1.017	2880 Winter	1	0%																																																																																															
1.018	2880 Winter	1	0%																																																																																															
1.019	2880 Winter	1	0%																																																																																															
1.020	2880 Winter	1	0%																																																																																															
1.021	2880 Winter	1	0%																																																																																															
<table><tr><td></td><td>Water</td><td></td><td>Flooded</td><td></td><td>Pipe</td><td></td><td></td><td></td></tr><tr><td></td><td>US/MH</td><td>Level</td><td>Surch'ed</td><td>Volume</td><td>Flow /</td><td>O'flow</td><td>Flow</td><td></td></tr><tr><td>PN</td><td>Name</td><td>(m)</td><td>Depth (m)</td><td>(m³)</td><td>Cap.</td><td>(l/s)</td><td>(l/s)</td><td>Status</td></tr><tr><td>1.000</td><td>1</td><td>5.579</td><td>-0.318</td><td>0.000</td><td>0.18</td><td>0.0</td><td>16.7</td><td>OK</td></tr><tr><td>1.001</td><td>2</td><td>5.549</td><td>-0.327</td><td>0.000</td><td>0.15</td><td>0.0</td><td>16.6</td><td>OK</td></tr><tr><td>1.002</td><td>3</td><td>5.510</td><td>-0.326</td><td>0.000</td><td>0.14</td><td>0.0</td><td>15.9</td><td>OK</td></tr><tr><td>1.003</td><td>4</td><td>5.495</td><td>-0.326</td><td>0.000</td><td>0.14</td><td>0.0</td><td>20.4</td><td>OK</td></tr><tr><td>1.004</td><td>5</td><td>5.428</td><td>-0.265</td><td>0.000</td><td>0.25</td><td>0.0</td><td>33.1</td><td>OK</td></tr><tr><td>1.005</td><td>6</td><td>5.388</td><td>-0.244</td><td>0.000</td><td>0.36</td><td>0.0</td><td>32.8</td><td>OK</td></tr><tr><td>1.006</td><td>7</td><td>5.369</td><td>-0.242</td><td>0.000</td><td>0.37</td><td>0.0</td><td>37.4</td><td>OK</td></tr></table>										Water		Flooded		Pipe					US/MH	Level	Surch'ed	Volume	Flow /	O'flow	Flow		PN	Name	(m)	Depth (m)	(m³)	Cap.	(l/s)	(l/s)	Status	1.000	1	5.579	-0.318	0.000	0.18	0.0	16.7	OK	1.001	2	5.549	-0.327	0.000	0.15	0.0	16.6	OK	1.002	3	5.510	-0.326	0.000	0.14	0.0	15.9	OK	1.003	4	5.495	-0.326	0.000	0.14	0.0	20.4	OK	1.004	5	5.428	-0.265	0.000	0.25	0.0	33.1	OK	1.005	6	5.388	-0.244	0.000	0.36	0.0	32.8	OK	1.006	7	5.369	-0.242	0.000	0.37	0.0	37.4	OK
	Water		Flooded		Pipe																																																																																													
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<u>1 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for Storm - Net 1</u>								
		Water		Flooded			Pipe	
	US/MH	Level	Surch'd	Volume	Flow /	O'flow	Flow	
PN	Name	(m)	Depth (m)	(m³)	Cap.	(l/s)	(l/s)	Status
1.007	8	5.340	-0.241	0.000	0.44	0.0	43.8	OK
2.000	22	5.226	-0.405	0.000	0.05	0.0	11.4	OK
1.008	9	5.225	-0.326	0.000	0.20	0.0	48.1	OK
3.000	23	5.220	-0.318	0.000	0.15	0.0	35.1	OK
1.009	10	5.195	-0.279	0.000	0.56	0.0	76.3	OK
4.000	24	5.161	-0.364	0.000	0.00	0.0	0.5	OK
1.010	11	5.161	-0.289	0.000	0.20	0.0	70.4	OK
1.011	11a	5.139	-0.280	0.000	0.44	0.0	68.9	OK
1.012	12	5.060	-0.300	0.000	0.50	0.0	79.7	OK
5.000	25	6.340	-0.215	0.000	0.17	0.0	11.2	OK
5.001	26	6.209	-0.203	0.000	0.22	0.0	14.6	OK
5.002	27	6.097	-0.165	0.000	0.42	0.0	25.9	OK
5.003	28	6.017	-0.155	0.000	0.47	0.0	31.5	OK
6.000	29	6.265	-0.188	0.000	0.29	0.0	16.9	OK
6.001	30	6.225	-0.179	0.000	0.34	0.0	19.4	OK
6.002	31	6.172	-0.182	0.000	0.32	0.0	21.4	OK
6.003	32	6.021	-0.134	0.000	0.58	0.0	33.7	OK
6.004	33	5.960	-0.144	0.000	0.53	0.0	34.1	OK
6.005	34	5.879	-0.093	0.000	0.81	0.0	48.9	OK
5.004	35	5.636	-0.278	0.000	0.41	0.0	85.6	OK
5.005	36	5.595	-0.275	0.000	0.46	0.0	85.6	OK
5.006	37	5.553	-0.280	0.000	0.36	0.0	86.6	OK
7.000	48	5.507	-0.335	0.000	0.07	0.0	17.0	OK
5.007	38	5.507	-0.254	0.000	0.63	0.0	86.1	OK
8.000	53	5.456	-0.356	0.000	0.06	0.0	8.1	OK
8.001	54	5.455	-0.336	0.000	0.06	0.0	13.9	OK
5.008	39	5.453	-0.289	0.000	0.53	0.0	92.2	OK
5.009	40	5.363	-0.346	0.000	0.37	0.0	96.0	OK
9.000	48	5.497	-0.457	0.000	0.10	0.0	23.7	OK
9.001	49	5.427	-0.439	0.000	0.11	0.0	27.9	OK
9.002	50	5.365	-0.428	0.000	0.14	0.0	31.9	OK
9.003	51	5.304	-0.432	0.000	0.14	0.0	34.4	OK
9.004	52	5.218	-0.453	0.000	0.14	0.0	34.0	OK
5.010	41	5.166	-0.738	0.000	0.01	0.0	4.9	OK*
5.011	42	5.170	-0.701	0.000	0.02	0.0	4.8	OK
5.012	43	5.068	-0.786	0.000	0.01	0.0	3.2	OK*
5.013	44	5.065	-0.769	0.000	0.01	0.0	3.2	OK
5.014	45	4.980	-0.808	0.000	0.01	0.0	3.4	OK*
5.015	46	4.975	-0.797	0.000	0.01	0.0	3.4	OK
10.000	55	5.070	-0.497	0.000	0.01	0.0	2.0	OK
10.001	56	5.068	-0.457	0.000	0.05	0.0	10.9	OK
10.002	57	5.053	-0.430	0.000	0.18	0.0	24.1	OK
5.016	47	4.926	-0.837	0.000	0.01	0.0	3.8	OK*
1.013	13	4.904	-0.733	0.000	0.01	0.0	7.2	OK*
1.014	14	4.901	-0.373	0.000	0.05	0.0	7.2	OK
1.015	15	4.731	-0.526	0.000	0.03	0.0	7.2	OK
1.016	16	4.651	-0.518	0.000	0.03	0.0	7.2	OK
1.017	17	4.599	-0.518	0.000	0.03	0.0	7.2	OK
1.018	18	4.551	-0.514	0.000	0.04	0.0	7.2	OK
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<u>1 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for Storm - Net 1</u>								
		Water		Flooded		Pipe		
	US/MH	Level	Surch'ed	Volume	Flow /	O'flow	Pipe	
PN	Name	(m)	Depth (m)	(m³)	Cap.	(l/s)	Flow	Status
1.019	19	4.509	-0.518	0.000	0.03	0.0	7.2	OK
1.020	20	4.463	-0.511	0.000	0.04	0.0	7.2	OK
1.021	20a	4.426	-0.517	0.000	0.04	0.0	7.2	OK

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for Storm - Net 1

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	2.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	5
Number of Online Controls	4	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.350
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	ON
Analysis Timestep	Fine	Inertia Status	ON
DTS Status	OFF		

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	Storm	Return Period	Climate Change	First X Surchage	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
1.000	15 Winter	30	0%	100/15 Summer				
1.001	15 Winter	30	0%	100/15 Summer				
1.002	15 Winter	30	0%	100/15 Summer				
1.003	15 Winter	30	0%	100/15 Summer				
1.004	15 Winter	30	0%	30/15 Winter				
1.005	30 Winter	30	0%	100/15 Summer				
1.006	15 Winter	30	0%	100/15 Summer				
1.007	30 Summer	30	0%	100/15 Summer				
2.000	15 Winter	30	0%	100/15 Summer				
1.008	15 Winter	30	0%	100/15 Summer				
3.000	30 Summer	30	0%	100/15 Summer				
1.009	30 Winter	30	0%	30/15 Winter				
4.000	30 Winter	30	0%	100/15 Summer				
1.010	30 Winter	30	0%	30/30 Winter				
1.011	30 Winter	30	0%	100/15 Summer				
1.012	30 Winter	30	0%	100/15 Summer				
5.000	15 Winter	30	0%	100/15 Summer				
5.001	15 Winter	30	0%	100/15 Summer				
5.002	15 Winter	30	0%	30/15 Summer	100/15 Summer			5
5.003	15 Winter	30	0%	30/15 Summer	100/15 Winter			2
6.000	15 Winter	30	0%	30/15 Summer				

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Innovyze				Network 2014.1.1				
30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for Storm - Net 1								
PN	Storm	Return Period	Climate Change	First X Surcharge	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
6.001	15 Winter	30	0%	30/15 Summer	100/15 Summer			6
6.002	15 Winter	30	0%	30/15 Summer				
6.003	15 Winter	30	0%	30/15 Summer				
6.004	15 Winter	30	0%	30/15 Summer				
6.005	15 Winter	30	0%	30/15 Summer				
5.004	15 Summer	30	0%	100/15 Summer				
5.005	15 Winter	30	0%	30/15 Winter				
5.006	30 Summer	30	0%	30/30 Summer				
7.000	30 Summer	30	0%	100/15 Summer				
5.007	30 Winter	30	0%	30/15 Winter				
8.000	30 Winter	30	0%	100/15 Summer				
8.001	30 Winter	30	0%	100/15 Summer				
5.008	15 Winter	30	0%	100/15 Summer				
5.009	30 Winter	30	0%	100/15 Summer				
9.000	15 Winter	30	0%					
9.001	15 Winter	30	0%					
9.002	15 Winter	30	0%					
9.003	15 Winter	30	0%					
9.004	1440 Winter	30	0%					
5.010	1440 Winter	30	0%					
5.011	1440 Winter	30	0%					
5.012	2880 Winter	30	0%					
5.013	2160 Winter	30	0%					
5.014	2880 Winter	30	0%					
5.015	2880 Winter	30	0%					
10.000	15 Winter	30	0%					
10.001	15 Winter	30	0%					
10.002	15 Winter	30	0%					
5.016	1440 Winter	30	0%					
1.013	1440 Winter	30	0%					
1.014	1440 Winter	30	0%	100/360 Winter				
1.015	1440 Winter	30	0%					
1.016	1440 Winter	30	0%					
1.017	1440 Winter	30	0%					
1.018	1440 Winter	30	0%					
1.019	1440 Winter	30	0%					
1.020	1440 Winter	30	0%					
1.021	1440 Winter	30	0%					
		Water		Flooded		Pipe		
	US/MH	Level	Surch'd	Volume	Flow /	O'flow	Flow	
PN	Name	(m)	Depth (m)	(m³)	Cap.	(l/s)	(l/s)	Status
1.000	1	5.801	-0.096	0.000	0.45	0.0	40.5	OK
1.001	2	5.790	-0.086	0.000	0.34	0.0	38.1	OK
1.002	3	5.767	-0.069	0.000	0.30	0.0	33.7	OK
1.003	4	5.756	-0.065	0.000	0.31	0.0	45.2	OK
1.004	5	5.699	0.006	0.000	0.55	0.0	73.1	SURCHARGED
1.005	6	5.632	0.000	0.000	0.69	0.0	63.4	OK
1.006	7	5.611	0.000	0.000	0.79	0.0	79.8	OK
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