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Development Control
Mid Sussex District Council
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West Sussex
RH16 1SS



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Goblands Farm Business Park
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Our Ref: CJM/26-0204

EMAILED 15 June 2026

Dear Joanne

Planning Reference: **DM/25/2474**

Site Address: **Land South Of Hammerwood Road Ashurst Wood West Sussex**

Planning Description: **The erection of twelve houses, comprising 4x two bedroom houses, 4x three bedroom houses and 4x four bedroom houses, with associated access (Via Yewhurst Close) and parking.**

We refer to WSCC LLFA's letter of objection dated 07 April 2026 and would like to respond to the issues raised as follows;

We will consider reviewing this objection if the following issues are adequately addressed.

1. The LLFA objects to the discharge of surface water to the foul sewer. The applicant is required to confirm the method of discharge and submit approval from the relevant party confirming that surface water can be discharged to the proposed sewer.

BRE DG365 soakage tests were undertaken on the 03 June 2026 at deeper depths which penetrated the underlying Lower Tunbridge Wells Sand-Sandstone, siltstone and mudstone strata. The lowest infiltration rate was 1.1×10^{-4} m/s between 1.85m and 2.85m depth in SP2. A shallow test was also conducted between 0.2 and 0.6m depth in SP2 which confirmed an infiltration rate of 9.5×10^{-5} m/s. A copy of the BRE DG365 soakage test results are attached.

It is therefore proposed to utilize Infiltration SuDS to dispose of surface water runoff from the proposed development.

2. The drainage layouts are shown as 'For information'. Whilst we appreciate that construction drawings cannot be provided at this stage, they should be confirmed as Final Design at this stage.

The following drawings are attached to support the revised surface water drainage strategy;

- 26-0204-C10501 CONCEPTUAL DRAINAGE LAYOUT REV A "FOR PLANNING".
- 26-0204-C10521 PRE & POST DEVELOPMENT IMP AREA PLAN REV A "FOR PLANNING"
- 26-0204-C10525 CATCHMENT AREA PLAN REV A "FOR PLANNING"

Detail design drawings will commence once planning approval is granted.

DRAINAGE

- Drainage Surveys
- Drainage Strategies
- Flood Risk Assessments
- SuDS Design
- S104 Drainage Design

HIGHWAYS

- Site Access Assessments
- S38/278 Highway Design
- Junction Modelling
- Traffic & Parking Surveys
- Remedial Assessments

STRUCTURAL ENGINEERING

- All Structural Design
- Temporary Works
- Specialist Foundations
- Multi Storey & Basements
- RC Detailing

SPECIALIST SERVICES

- Site Assessments
- CDM 2015 Support
- TEKLA Steelwork
- Fabrication Drawings
- Expert Witness



3. *Submission of hydraulic calculations that have the updated parameters of FEH22, CV value of 1 and urban creep 10% allowance is required. The current calculation still utilise old rainfall data and parameters.*

The following FLOW calculations are attached which are based on FEH rainfall data, a CV value of 1 and an allowance for 10 % urban creep within each Plot;

- 26-0204 FLOW CALCS - GREENFIELD RUNOFF RATES & VOLUMES
- 26-0204 FLOW CALCS - GEOCELLULAR SOAKAWAY
- 26-0204 FLOW CALCS - PLOTS 1 & 2
- 26-0204 FLOW CALCS - PLOTS 3 & 4
- 26-0204 FLOW CALCS - PLOTS 5 & 6
- 26-0204 FLOW CALCS - PLOTS 7 & 8

We trust the above provides the information you require to remove WSCC LLFA's objection to the planning application and we look forward to hearing from you soon. Should you have any questions are require further information then please give us a call.

Yours sincerely



Chris Mellett
Technical Director
For and on behalf of BdR (Civil and Structural Engineering) Ltd

Encl





Ground and Environmental Services Limited

Unit 2 Montpelier Business Park
Dencora Way
Ashford
Kent
TN23 4FG
01233 646237

James Caldwell
Virtue Land Ltd and Mantle Land Ltd

Date: 4th June 2026

Our ref: 13780

Dear James,

RE: SOAKAGE TESTING – LAND SOUTH OF HAMMERWOOD ROAD, ASHURST WOOD RH19 3RX

Introduction

Ground and Environmental Services Ltd (GES) was commissioned by Virtue Land Ltd and Mantle Land Ltd to undertake soakage testing on land south of Hammerwood Road, Ashurst Wood RH19 3RX.

The purpose of the ground investigation was to carry out soakage testing in order to obtain infiltration characteristics for use in assessing the feasibility of adopting a shallow soakaway solution for surface water drainage.

This report specifically excludes comment or advice with regards to contaminated land or pollution related issues.

Fieldwork

The site works were carried out on the 3rd June 2026 and comprised the following:

- BRE DG365 Soakage Testing.

Trial Pitting

Two trial pits designated SP1 and SP2 were machine excavated to depths of 3.11mbegl and 2.85mbegl (metres below ground level) respectively using a mechanical excavator.

Logs of the trial pits are enclosed.

Soakage Testing

Infiltration testing was carried out in all trial pits using water discharged from a 10,000L water bowser. The testing was carried out in accordance with the methodology given in BRE DG365 'Soakaway design' and comprised discharging water into the trial excavations and monitoring the fall in water level against time.

The results are enclosed and are summarised below:

Trial Pit ID	Test No	Test Depth (m)	Test duration (minutes)	Volume of water drained (%)	Infiltration rate (m/s)	Comment
SP 1	1	2.8-3.11	2	100	1.91×10^{-3}	Very good soakage potential 2500L added at 14L/s
SP 1	2	2.83-3.11	0.5	100	4.82×10^{-3}	Very good soakage potential 2500L added at 14L/s
SP 1	3	3.11	0	100	NR	Very good soakage potential 1000L added at 14L/s – couldn't raise water level
SP 2	1	1.85-2.85	33	76	1.1×10^{-4}	Very good soakage potential 2000L added at 14L/s
SP 2	2	0.205-0.6	45	80	9.50×10^{-5}	Good soakage potential 2000L added at 14L/s

We trust that this is satisfactory and addresses your requirements, but should you have any queries please do not hesitate to contact this office.

We look forward to hearing from you in the near future.

Yours sincerely,



Craig Spanton
Director
Ground and Environmental Services Limited

Enc:
Test Location Plan
Trial Pit Logs
Soakage Test Results



- KEY:**
- WS - WINDOW SAMPLE
 - ⊕ BH - BOREHOLE
 - (I) - INSTALLATION
 - TP - TRIAL PIT
 - HDTP - HAND DUG TRIAL PIT
 - SP - SOAKAGE PIT
 - ▲ DCP - DYNAMIC CONE PENETRATION
 - DP - DYNAMIC PROBE
 - HA - HAND AUGER
 - PT - PERCOLATION TEST
 - GM - GAS MONITORING STANDPIPE
 - S - SAMPLE LOCATION

CLIENT:
Virtue Land Ltd

SITE ADDRESS:
Land South of Hammerwood Road
Ashurst Wood

DRAWING NO.:
Figure 1

DRAWING TITLE:
Trial Pit Location Plan

PROJECT NO.:
13780

DATE:
06/2026

DRAWN:
PJ

REVISION:
00

GROUND AND ENVIRONMENTAL SERVICES (GES) LIMITED
UNIT 2
MONTPELIER BUSINESS PARK
DENCORA WAY
ASHFORD
KENT TN23 4FG
TEL: 01233 646 237



SOAKAWAY TESTING

Test in accordance with BRE 365 Guidelines

Project Number: 13780 **Client:** Virtue Land Ltd

SP1
Test 1 of 3

Site: Land South of Hammerwood Road, Ashurst Wood

Weather: Light rain

Date of Test: 03/06/2026

Trial Pit Dimensions:

Width (m): 0.6 Length (m): 1.92
Depth (m): 3.11 Invert Depth (m): 2.8
Drainage time of test (mins): 2 (100% Drained)

Soakage Results:

Depth	(%)	Time
2.8	100.00%	0
3.11	0.00%	2



Infiltration rate:

Depth (B.G.L) (m)	Infiltration Rate (m/s)
2.8-3.11	1.92E-03

Departures from the specified test method:

Remarks: Approx. 2500L added at 14 L/second. Unable to raise head of water in the trial pit.
Very Good Infiltration potential

Authorised Signatory: C SPANTON Date: 03/06/2026



SOAKAWAY TESTING

Test in accordance with BRE 365 Guidelines

Project Number: 13780 **Client:** Virtue Land Ltd

SP1
Test 2 of 3

Site: Land South of Hammerwood Road, Ashurst Wood

Weather: Light rain

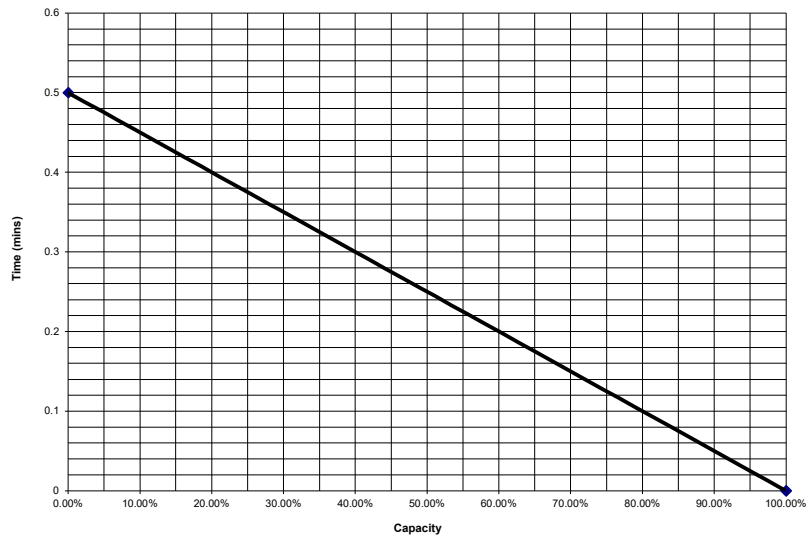
Date of Test: 03/06/2026

Trial Pit Dimensions:

Width (m):	0.6	Length (m):	1.92
Depth (m):	3.11	Invert Depth (m):	2.83
Drainage time of test (mins):	0.5	(100% Drained)	

Soakage Results:

Depth	(%)	Time
2.83	100.00%	0
3.11	0.00%	0.5



3.11

Infiltration rate:

Depth (B.G.L) (m)	Infiltration Rate (m/s)
2.83-3.11	4.82E-03

Departures from the specified test method:

Remarks: Approx. 2500L added at 14 L/second. Unable to raise head of water in the trial pit.
Trial pit dry in 30 seconds. Very Good Infiltration potential

Authorised Signatory: C SPANTON **Date:** 03/06/2026



SOAKAWAY TESTING

Test in accordance with BRE 365 Guidelines

Project Number: 13780 **Client:** Virtue Land Ltd

SP1
Test 3 of 3

Site: Land South of Hammerwood Road, Ashurst Wood

Weather: Light rain

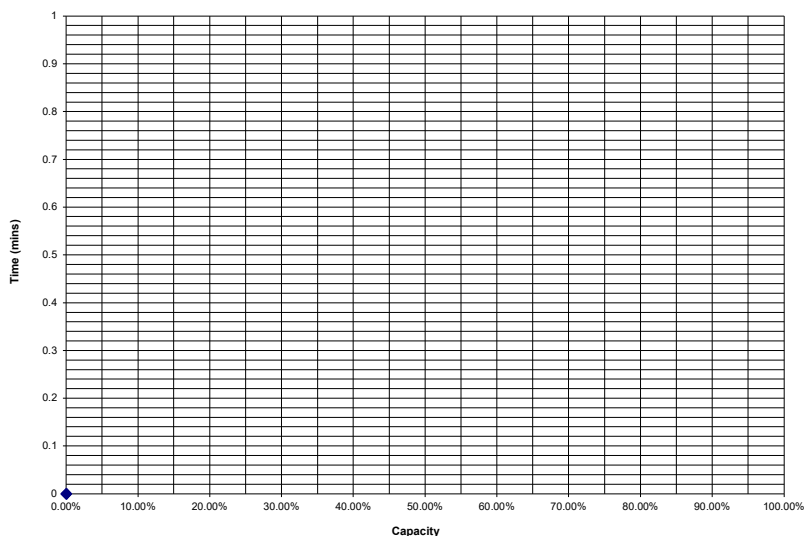
Date of Test: 03/06/2026

Trial Pit Dimensions:

Width (m): 0.6 Length (m): 1.92
Depth (m): 3.11 Invert Depth (m): 3.11
Drainage time of test (mins): 0 (100% Drained)

Soakage Results:

Depth	(%)	Time
3.11	#DIV/0!	0
3.11	#DIV/0!	0



Infiltration rate:

Depth (B.G.L)	Infiltration Rate
(m)	(m/s)
3.11-3.11	#DIV/0!

Departures from the specified test method:

Remarks: Approx. 1000L added at 14 L/second. Unable to raise head of water in the trial pit above base. Very Good Infiltration potential

Authorised Signatory: C SPANTON Date: 03/06/2026



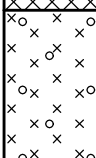
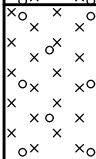
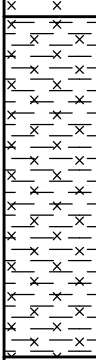
Ground and Environmental Services Limited

Unit 2 Montpelier Business Park
Dencora Way, Ashford
Kent TN23 4FG

Tel: 01233 646237

Trial Pit No. SP2

Sheet: 1 of 1

Equipment & Methods. JCB 3CXBackfill: Arisings				Project Name: Land south of Hammerwood Road Project Location: Ashurst Wood Client: Virtue Land Ltd		Job No: 13780											
Co-ordinates: E: N:				Ground Level (m):		Date Started:03/06/2026 Date Completed:03/06/2026											
Samples and In situ Testing				Field Records	DESCRIPTION	Reduced Level (m)	Legend	Depth (Thick) (m)									
Depth (m)	No.	Type	Result														
					MADE GROUND: Brown sandy gravelly silt with cobbles of brick and concrete	-0.20		(0.20)									
					Light brown slightly clayey gravelly SILT. Gravel is fine to medium sub angular siltstone. Frequent roots				-0.60		(0.40)						
					Light brown and orange slightly clayey gravelly SILT. Gravel in fine to medium siltstone and ferruginous siltstone Frequent roots.							-1.05		(0.45)			
					Brown CLAY/SILT with frequent roots										-1.95		(0.90)
					Light grey and light brown slightly sandy SILT with much tabular siltstone and ferruginous siltstone												
						End of Trial Pit 2.85 m (Thickness of basal layer not proven)											
Remarks:						Logged By:		Checked By:									
						CSS		PAD									
						Scale: 1:20		Approved By:									
						FIG No.											
Notes: For explanation of symbols and abbreviations, see Key Sheet.																	



SOAKAWAY TESTING

Test in accordance with BRE 365 Guidelines

Project Number: 13780 **Client:** Virtue Land Ltd

SP2
Test 2 of 2

Site: Land South of Hammerwood Road, Ashurst Wood

Weather: Light rain

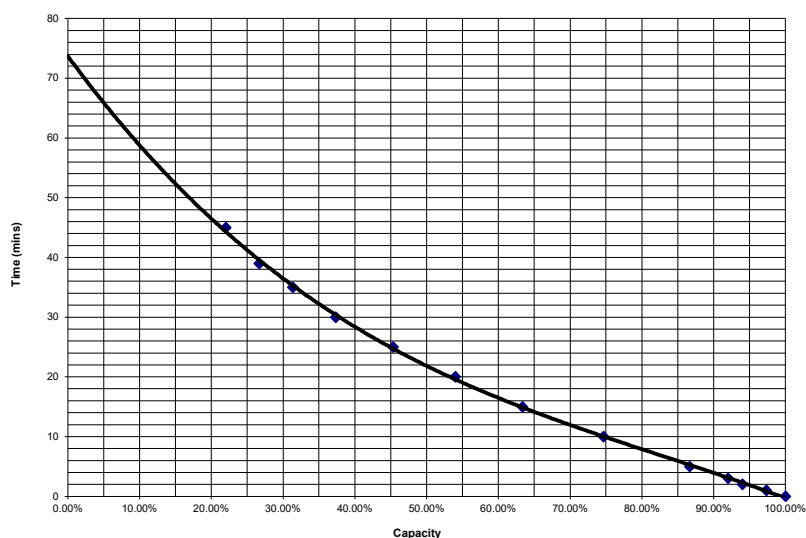
Date of Test: 03/06/2026

Trial Pit Dimensions:

Width (m): 0.6 Length (m): 2.01
Depth (m): 2.85 Invert Depth (m): 1.35
Drainage time of test (mins): 45 (78% Drained)

Soakage Results:

Depth	(%)	Time
1.35	100.00%	0
1.39	97.33%	1
1.44	94.00%	2
1.47	92.00%	3
1.55	86.67%	5
1.73	74.67%	10
1.9	63.33%	15
2.04	54.00%	20
2.17	45.33%	25
2.29	37.33%	30
2.38	31.33%	35
2.45	26.67%	39
2.52	22.00%	45
2.85		



Infiltration rate:

Depth (B.G.L)	Infiltration Rate
(m)	(m/s)
1.35-2.85	9.50E-05

Departures from the specified test method:

Remarks: Approx. 2000L added. Good Infiltration potential

Authorised Signatory: C SPANTON **Date:** 03/06/2026



SOAKAWAY TESTING

Test in accordance with BRE 365 Guidelines

Project Number: 13780 **Client:** Virtue Land Ltd

SP2
Test 1 of 2

Site: Land South of Hammerwood Road, Ashurst Wood

Weather: Light rain

Date of Test: 03/06/2026

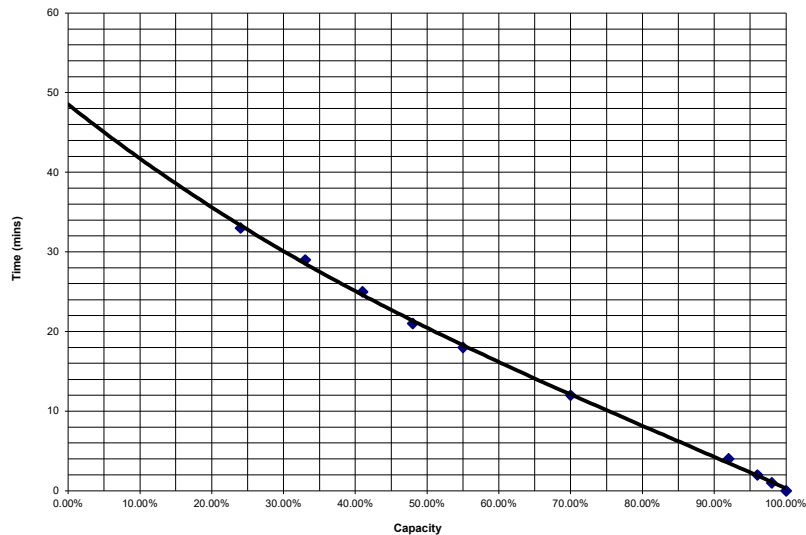
Trial Pit Dimensions:

Width (m): 0.6 Length (m): 2.01
Depth (m): 2.85 Invert Depth (m): 1.85
Drainage time of test (mins): 33 (76% Drained)

Soakage Results:

Depth	(%)	Time
1.85	100.00%	0
1.87	98.00%	1
1.89	96.00%	2
1.93	92.00%	4
2.15	70.00%	12
2.3	55.00%	18
2.37	48.00%	21
2.44	41.00%	25
2.52	33.00%	29
2.61	24.00%	33

2.85



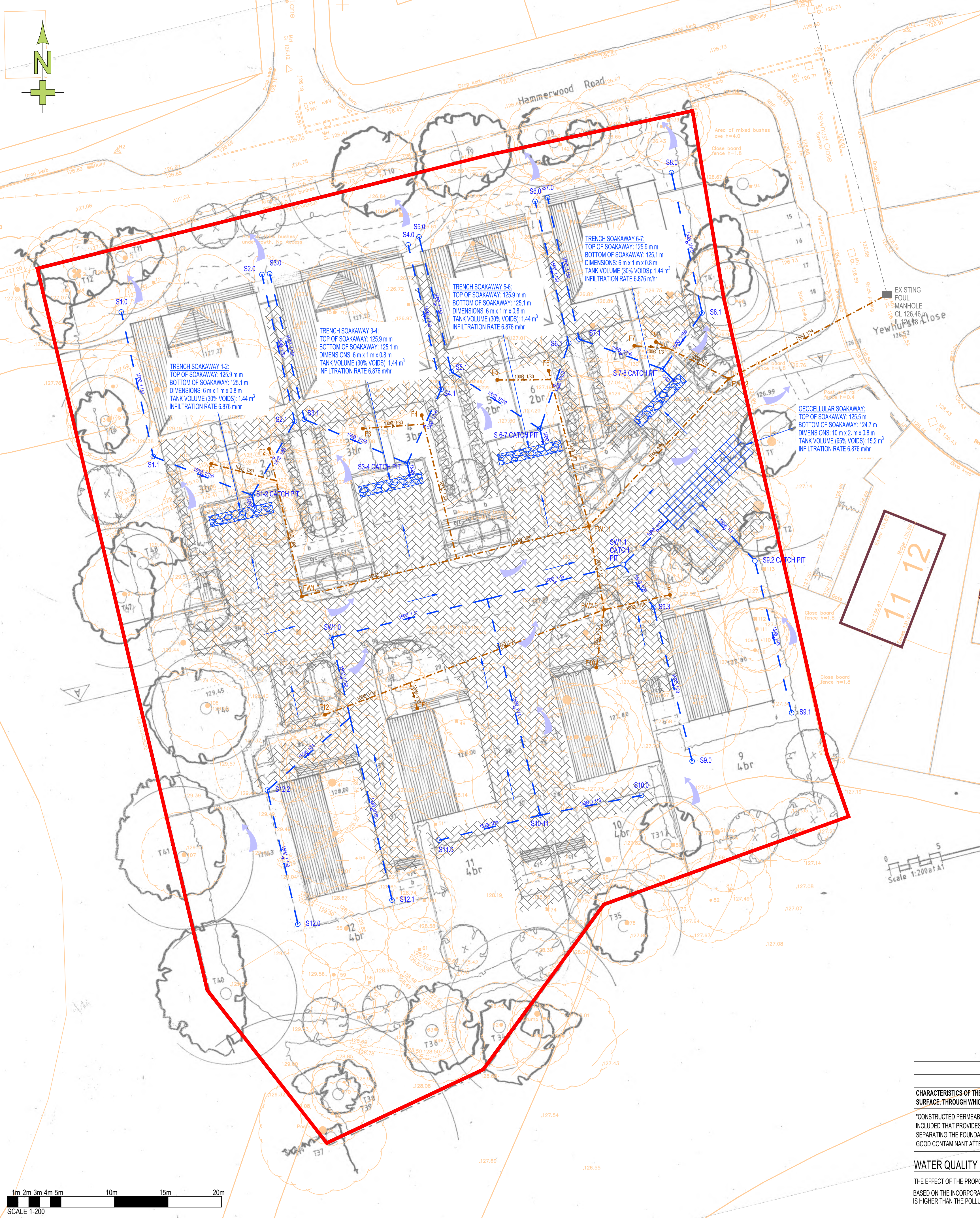
Infiltration rate:

Depth (B.G.L)	Infiltration Rate
(m)	(m/s)
1.85-2.85	1.10E-04

Departures from the specified test method:

Remarks: Approx. 2000L added. Very Good Infiltration potential

Authorised Signatory: C SPANTON **Date:** 03/06/2026



SURFACE WATER FLOW REGIME

- 1. RUNOFF FROM ROOFS ENTERS UNDERGROUND DRAINAGE NETWORK VIA WATER BUTTS AND RAIN WATER PIPES.
- 2. RUNOFF FROM EXTERNAL PATHS AND PARKING AREAS DRAINS TO PERMEABLE CONSTRUCTION TYPE B (PARTIAL INFILTRATION) AND DRAINS TO UNDERGROUND SOAKAWAYS.
- 2. RUNOFF ACCESS DRIVEWAY DRAINS TO PERMEABLE CONSTRUCTION TYPE B (PARTIAL INFILTRATION) AND DRAINS TO UNDERGROUND SOAKAWAY.
- 3. UNDERGROUND DRAINAGE NETWORK INFILTRATES TO THE GROUND VIA FOUR INFILTRATION SOAKAWAYS AND A GEOCELLULAR SOAKAWAY WITH A MINIMUM INFILTRATION RATE OF 6.876 m/h (1.91 E-3 m/s). SURFACE WATER RUNOFF UP TO THE 1 IN 100 YEAR PLUS 45% CLIMATE CHANGE ALLOWANCE EVENT WILL BE ATTENUATED ON SITE WITHIN THE PIPED SYSTEM. THE PERMEABLE CONSTRUCTION AND THE BELOW GROUND INFILTRATION SOAKAWAYS LOCATED BENEATH PARKING AREAS AND ACCESS ROAD.

PRE-DEVELOPMENT RUNOFF RATES & VOLUMES

	GREENFIELD
1yr	24 l/s
2yr	2.5 l/s
30yr	6.8 l/s
100yr	9.1 l/s
100yr 960 MIN STORAGE	173 m³

THE NATIONAL STANDARD FOR SUDS JUNE 2025. SURFACE WATER HIERARCHY:

- 1. COLLECTED FOR NON-POTABLE USE: WATER BUTTS WILL BE INCORPORATED.
- 2. INFILTRATION TO THE GROUND: SOAKAGE TESTING HAS BEEN COMPLETED BY GENS LTD (REF 13780) DATED 4/06/26. THE RESULTS SHOW VERY GOOD SOAKAGE BETWEEN 1.91 E-3 M/S TO 4.82 E-3 M/S AT A DEPTH OF 3m.
- 3. DISCHARGE TO AN ABOVE GROUND SURFACE WATER BODY: NOT APPLICABLE.
- 4. DISCHARGE TO A SURFACE WATER SEWER: NOT APPLICABLE.
- 5. DISCHARGE TO A COMBINED SEWER: NOT APPLICABLE.

INDEXES HAVE BEEN OBTAINED FROM THE FOLLOWING TABLES:

BOX 26.2: STEPS OF THE SIMPLE INDEX APPROACH:

- STEP 1 - ALLOCATE SUITABLE POLLUTION HAZARD INDICES FOR THE PROPOSED LAND USE
 - STEP 2 - SELECT SUDS WITH A TOTAL POLLUTION MITIGATION INDEX THAT EQUALS OR EXCEEDS THE POLLUTION HAZARD INDEX
 - STEP 3 - WHERE THE DISCHARGE IS TO PROTECTED1 SURFACE WATERS OR GROUNDWATER, CONSIDER THE NEED FOR A MORE PRECAUTIONARY APPROACH
- NOTE: DESIGNATED AS THOSE PROTECTED FOR THE SUPPLY OF DRINKING WATER (TABLE 4.3).

TABLE 26.2: POLLUTION HAZARD INDICES FOR DIFFERENT LAND USE CLASSIFICATIONS:

LAND USE	POLLUTION HAZARD LEVEL	TOTAL SUSPENDED SOLIDS (TSS)	METALS	HYDROCARBONS
RESIDENTIAL ROOFS	VERY LOW	0.2	0.2	0.05
OTHER ROOF (TYPICALLY COMMERCIAL / INDUSTRIAL ROOFS)	LOW	0.3	0.2 (UP TO 0.8 WHERE THERE IS POTENTIAL FOR METALS TO LEACH FROM THE ROOF)	0.05
INDIVIDUAL PROPERTY DRIVEWAYS, RESIDENTIAL CAR PARKS, LOW TRAFFIC ROADS (EG CUL DE SACS, HOMEZONES AND GENERAL ACCESS ROADS) AND NON-RESIDENTIAL CAR PARKING WITH INFREQUENT CHANGE (EG SCHOOLS, OFFICES) IE < 300 TRAFFIC MOVEMENTS/DAY	LOW	0.5	0.4	0.4
COMMERCIAL YARD AND DELIVERY AREAS, NON-RESIDENTIAL CAR PARKING WITH FREQUENT CHANGE (EG HOSPITALS, RETAIL), ALL ROADS EXCEPT LOW TRAFFIC ROADS AND TRUNK ROADS/MOTORWAYS ¹	LOW	0.7	0.6	0.7
SITES WITH HEAVY POLLUTION (EG HAULAGE YARDS, LORRY PARKS, HIGHLY FREQUENTED LORRY APPROACHES TO INDUSTRIAL ESTATES, WASTE SITES), SITES WHERE CHEMICALS AND FUELS (OTHER THAN DOMESTIC FUEL OIL), ARE TO BE DELIVERED, HANDLED, STORED, USED OR MANUFACTURED; INDUSTRIAL SITES, TRUNK ROADS AND MOTORWAYS ¹	HIGH	0.8 ²	0.8 ²	0.9 ²

NOTES:

- 1. MOTORWAYS AND TRUNK ROADS SHOULD FOLLOW THE GUIDANCE AND RISK ASSESSMENT PROCESS SET OUT IN HIGHWAYS AGENCY (2009).
- 2. THESE SHOULD ONLY BE USED IF CONSIDERED APPROPRIATE AS PART OF A DETAILED RISK ASSESSMENT - REQUIRED FOR ALL THESE LAND USE TYPES (TABLE 4.3). WHEN DEALING WITH HIGH HAZARD SITES, THE ENVIRONMENTAL REGULATOR SHOULD FIRST BE CONSULTED FOR PRE-PERMITTING ADVICE. THIS WILL HELP DETERMINE THE MOST APPROPRIATE APPROACH TO THE DEVELOPMENT OF A DESIGN SOLUTION.

TABLE 26.4: INDICATIVE SUDS MITIGATION INDICES FOR DISCHARGES TO GROUNDWATER

CHARACTERISTICS OF THE MATERIAL OVERLYING THE PROPOSED INFILTRATION SURFACE, THROUGH WHICH THE RUNOFF PERCOLATES ¹	TSS	METALS	HYDROCARBONS
A LAYER OF DENSE VEGETATION UNDERLAIN BY A SOIL WITH GOOD CONTAMINANT ATTENUATION POTENTIAL ² OF AT LEAST 300 mm IN DEPTH ³	0.6 ⁴	0.5	0.6
A SOIL WITH GOOD CONTAMINANT ATTENUATION POTENTIAL ² OF AT LEAST 300 mm IN DEPTH ³	0.4 ⁴	0.3	0.3
INFILTRATION TRENCH (WHERE A SUITABLE DEPTH OF FILTRATION MATERIAL IS INCLUDED THAT PROVIDES TREATMENT, IE GRADED GRAVEL WITH SUFFICIENT SMALLER PARTICLES BUT NOT SINGLE SIZE COARSE AGGREGATE SUCH AS 20 mm GRAVEL) UNDERLAIN BY A SOIL WITH GOOD CONTAMINANT ATTENUATION POTENTIAL ² OF AT LEAST 300 mm IN DEPTH ³	0.4 ⁴	0.4	0.4
CONSTRUCTED PERMEABLE PAVEMENT (WHERE A SUITABLE FILTRATION LAYER IS INCLUDED THAT PROVIDES TREATMENT, AND INCLUDING A GEOTEXTILE AT THE BASE SEPARATING THE FOUNDATION FROM THE SUBGRADE) UNDERLAIN BY A SOIL WITH GOOD CONTAMINANT ATTENUATION POTENTIAL ² OF AT LEAST 300 mm IN DEPTH ³	0.7	0.6	0.7
BIORETENTION UNDERLAIN BY A SOIL WITH GOOD CONTAMINANT ATTENUATION POTENTIAL ² OF AT LEAST 300 mm IN DEPTH ³	0.8 ⁴	0.8	0.8
PROPRIETARY TREATMENT SYSTEMS ^{5,6}	THESE MUST DEMONSTRATE THAT THEY CAN ADDRESS EACH OF THE CONTAMINANT TYPES TO ACCEPTABLE LEVELS FOR INFLOW CONCENTRATIONS RELEVANT TO THE CONTRIBUTING DRAINAGE AREA.		

NOTES

- 1 ALL DESIGNS MUST INCLUDE A MINIMUM OF 1 M UNSATURATED DEPTH OF AQUIFER MATERIAL BETWEEN THE INFILTRATION SURFACE AND THE MAXIMUM LIKELY GROUNDWATER LEVEL, (AS REQUIRED IN INFILTRATION DESIGN – CHAPTER 25).
- 2 FOR EXAMPLE AS RECOMMENDED IN SNIFFER (2008A AND 2008B), SCOTT WILSON (2010) OR OTHER APPROPRIATE GUIDANCE.
- 3 ALTERNATIVE DEPTHS MAY BE CONSIDERED WHERE IT CAN BE DEMONSTRATED THAT THE COMBINATION OF THE PROPOSED DEPTH AND SOIL CHARACTERISTICS WILL PROVIDE EQUIVALENT PROTECTION TO THE UNDERLYING GROUNDWATER – SEE NOTE 1.
- 4 IF SIGNIFICANT VOLUMES OF SEDIMENT ARE ALLOWED TO ENTER AN INFILTRATION SYSTEM, THERE WILL BE A HIGH RISK OF RAPID CLOGGING AND SUBSEQUENT SYSTEM FAILURE.
- 5 SEE CHAPTER 14 FOR APPROACHES TO DEMONSTRATE PRODUCT PERFORMANCE. NOTE: A BRITISH WATER/ENVIRONMENT AGENCY ASSESSMENT CODE OF PRACTICE IS CURRENTLY UNDER DEVELOPMENT THAT WILL ALLOW MANUFACTURERS TO COMPLETE AN AGREED TEST PROTOCOL FOR SYSTEMS INTENDED TO TREAT CONTAMINATED SURFACE WATER RUNOFF. FULL DETAILS CAN BE FOUND AT: www.britishwater.co.uk/Publications/codes-of-practice.aspx
- 6 SEPA ONLY CONSIDERS PROPRIETARY TREATMENT SYSTEMS AS APPROPRIATE IN EXCEPTIONAL CIRCUMSTANCES WHERE OTHER TYPES OF SUDS COMPONENT ARE NOT PRACTICABLE. PROPRIETARY TREATMENT SYSTEMS MAY ALSO BE CONSIDERED APPROPRIATE FOR EXISTING SITES THAT ARE CAUSING POLLUTION, WHERE THERE IS A REQUIREMENT TO RETROFIT TREATMENT. WAT-RM-08 (SEPA, 2014) ALSO PROVIDES A FLOWCHART WITH A SUMMARY OF CHECKS ON SUITABILITY OF A PROPRIETARY SYSTEM.

CHARACTERISTICS OF THE MATERIAL OVERLYING THE PROPOSED INFILTRATION SURFACE, THROUGH WHICH THE RUNOFF PERCOLATES ¹	GROUND WATER					
	TSS		METALS		HYDROCARBONS	
	POLLUTION INDEX	MITIGATION INDEX	POLLUTION INDEX	MITIGATION INDEX	POLLUTION INDEX	MITIGATION INDEX
*CONSTRUCTED PERMEABLE PAVEMENT (WHERE A SUITABLE FILTRATION LAYER IS INCLUDED THAT PROVIDES TREATMENT, AND INCLUDING A GEOTEXTILE AT THE BASE SEPARATING THE FOUNDATION FROM THE SUBGRADE) UNDERLAIN BY A SOIL WITH GOOD CONTAMINANT ATTENUATION POTENTIAL ² OF AT LEAST 300 mm IN DEPTH ³	0.4	0.7	0.500	0.6	0.400	0.7

WATER QUALITY MANAGEMENT

THE EFFECT OF THE PROPOSED WORK ON LOCAL WATER QUALITY HAS BEEN ASSESSED USING THE SIMPLE QUALITATIVE METHOD AS SET OUT IN CIRIA REPORT C753 THE SUDS MANUAL 2015 (CHAPTER 26). BASED ON THE INCORPORATION OF PERMEABLE CONSTRUCTION TYPE B (PARTIAL INFILTRATION) IN PARKING AREAS AND ACCESS DRIVEWAY FOR TREATMENT OF RUNOFF, THE TOTAL POLLUTION MITIGATION INDEX FOR THESE SUDS COMPONENTS IS HIGHER THAN THE POLLUTION HAZARD INDEX FOR TSS, METALS AND HYDROCARBONS.

Notes:

- 1. DO NOT SCALE FROM THIS DRAWING.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT.
- 3. THE DEVELOPMENT LAYOUT HAS BEEN TAKEN FROM MEASURES SCARFE ARCHITECTS SITE LAYOUT DRG. NO. 923/18/PL100 DATED SEP 2025 & THE SURVEY FROM HOOK SURVEY'S TOPOGRAPHICAL LAND SURVEY DRG. NO. S228940/1 REV - DATED JULY 2022.
- 4. ALL DRAINAGE WORKS SHALL BE DESIGNED IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL & SURFACE WATER SEWERS OFFERED FOR ADOPTION (DCG) APPROVED CURRENT VERSION.

KEY

- SITE BOUNDARY
- EXISTING: — FOUL WATER SEWER
- PROPOSED: — SURFACE WATER DRAINAGE - DIA GRADIENT/PIPE NUMBER
- FOUL WATER DRAINAGE - DIA GRADIENT/PIPE NUMBER
- GEOCELLULAR STORAGE CRATE
- INFILTRATION TRENCH SOAKAWAY (420 OGRC)
- HARDSTANDING PERMEABLE AREA TYPE B (PARTIAL INFILTRATION)
- EXCEEDANCE FLOW ROUTE
- FORMATION GRADIENT

A	FOR APPROVAL	SGS	CJM	15.06.26
Rev	Description	Drm	Chk	Date



Civil & Structural Engineering Consultants
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Court Lane, Hadlow, Kent. TN11 0DP
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Client
VIRTUE LAND LTD

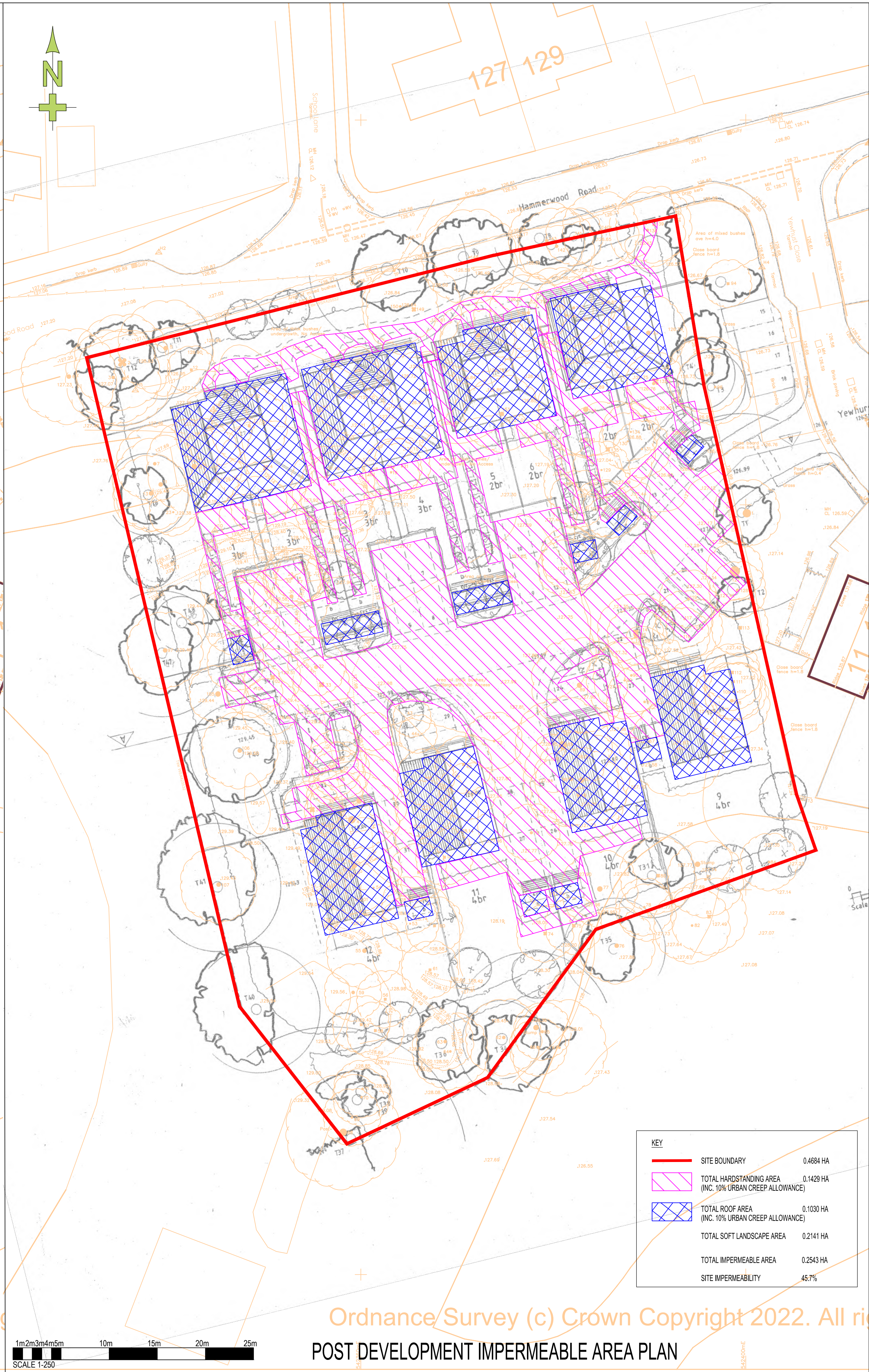
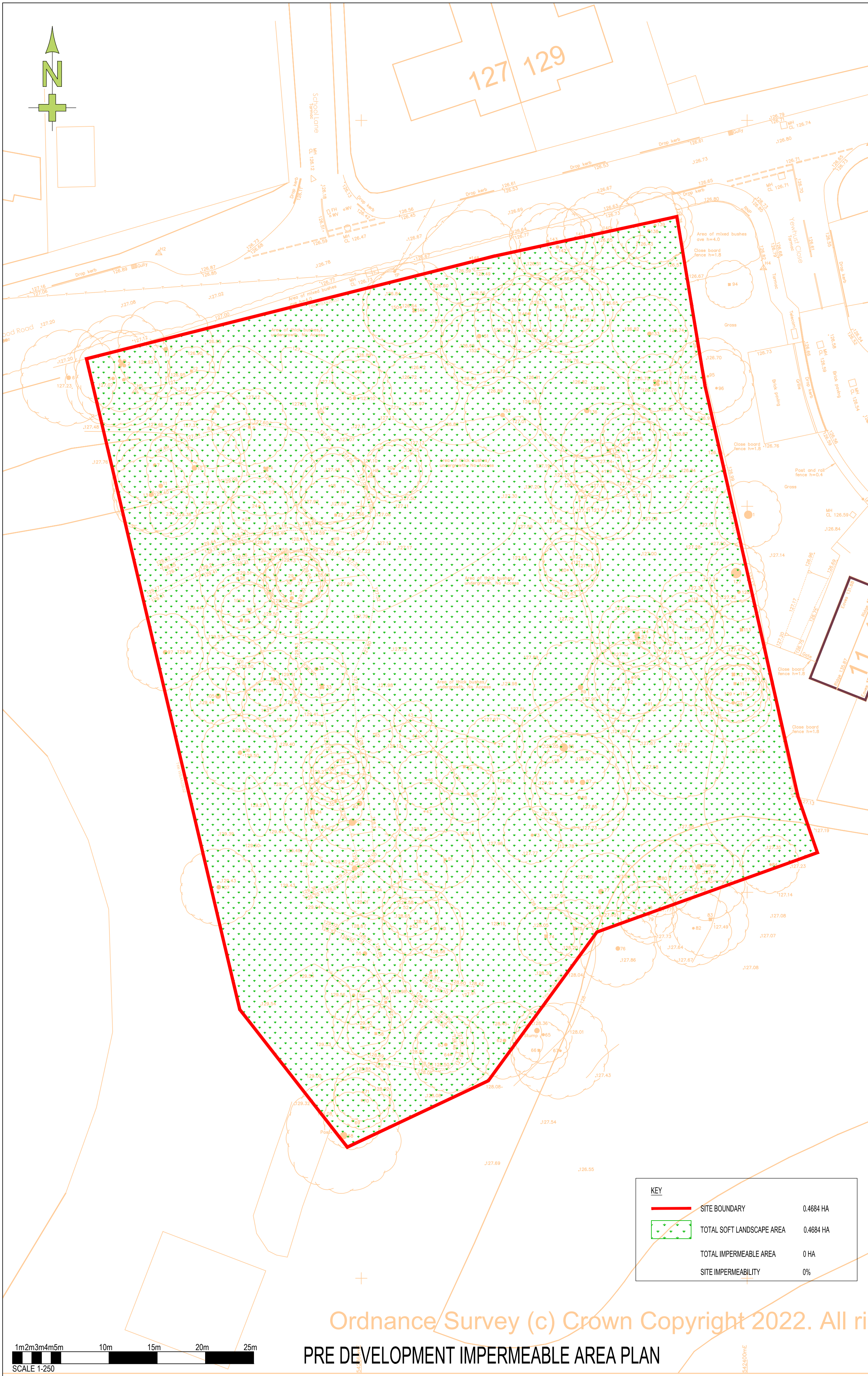
Project
LAND SOUTH OF HAMMERWOOD ROAD
ASHURST WOOD
WEST SUSSEX

Drawing
DRAINAGE LAYOUT &
SURFACE WATER QUALITY ANALYSIS

FOR PLANNING

Scale @ A1 1:200	Date 15.06.26	Drawn by SGS	Checked CJM
Job No.	Drg. No.	Rev	

26-0204 C10501 A



Notes:

1. DO NOT SCALE FROM THIS DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT.
3. THE DEVELOPMENT LAYOUT HAS BEEN TAKEN FROM MEASURES SCARFE ARCHITECTS SITE LAYOUT DRG. NO. 923/18/PL100 DATED SEP 2025 & THE SURVEY FROM HOOK SURVEY'S TOPOGRAPHICAL LAND SURVEY DRG. NO. S22894001 REV - DATED JULY 2022.
4. ALL DRAINAGE WORKS SHALL BE DESIGNED IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL & SURFACE WATER SEWERS OFFERED FOR ADOPTION (DCG) APPROVED CURRENT VERSION.

A	FOR APPROVAL	SGS	CJM	15.06.26
Rev	Description	Drm	Chk	Date

BdR Civil & Structural Engineering Consultants
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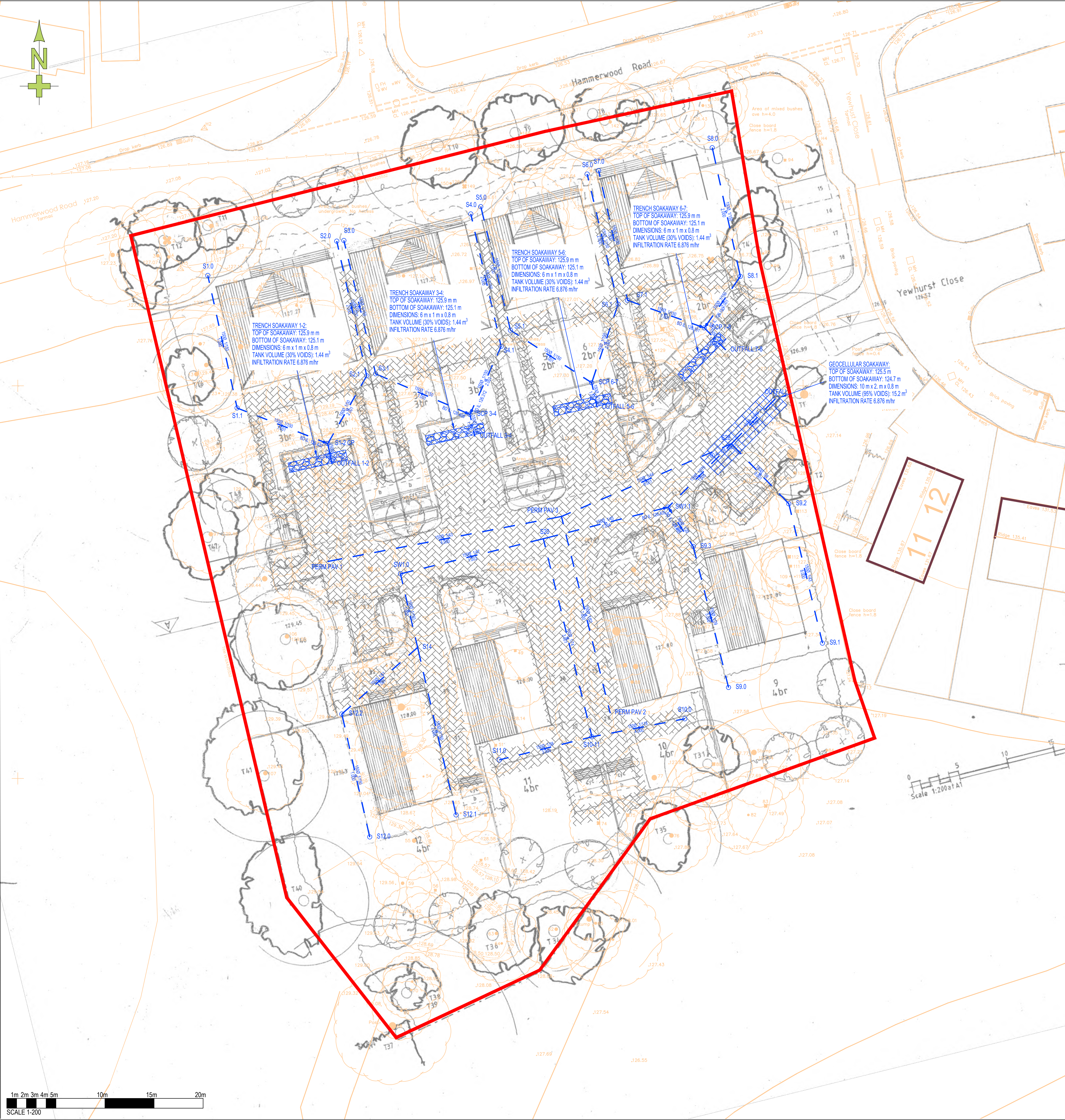
Client
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Project
LAND SOUTH OF HAMMERWOOD ROAD
ASHURST WOOD
WEST SUSSEX

Drawing
PRE & POST DEVELOPMENT
IMPERMEABLE AREA PLAN

FOR PLANNING

Scale @ A1 1:250	Date 15.06.26	Drawn by SGS	Checked CJM
Job No. 26-0204	Drg. No. C10521	Rev A	



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 - 3. THE DEVELOPMENT LAYOUT HAS BEEN TAKEN FROM MEASURES SCARFE ARCHITECTS SITE LAYOUT DRG. NO. 923/18/PL100 DATED SEP 2025 & THE SURVEY FROM HOOK SURVEY'S TOPOGRAPHICAL LAND SURVEY DRG. NO. S22894001 REV. DATED JULY 2022.
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A	FOR APPROVAL	SGS	CJM	15.06.26
Rev	Description	Drm	Chk	Date



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Client
VIRTUE LAND LTD

Project
LAND SOUTH OF HAMMERWOOD ROAD
ASHURST WOOD
WEST SUSSEX

Drawing
CATCHMENT AREA PLAN

FOR PLANNING

Scale @ A1 1:250	Date 15.06.26	Drawn by SGS	Checked CJM
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Job No.
26-0204

Drg. No.
C10525 A

Rev

INFILTRATION SOAKAWAY PLOTS 1-2					INFILTRATION SOAKAWAY PLOTS 3-4				
Manhole No.	Pipe No.	Private IMP	Private UC	Total IMP + UC	Manhole No.	Pipe No.	Private IMP	Private UC	Total IMP + UC
S1.0	1.000	82.890	8.289	91.179	S3.0	1.000	82.164	8.216	90.380
S1.1	1.001	28.726	2.873	31.599	S3.1	1.001	38.806	3.881	42.687
S1-2 CP	1.002	64.162	6.416	70.578	SOP 3-4	1.002	82.363	8.236	90.599
S2.0	2.000	62.912	6.291	69.203	S4.0	2.000	65.145	6.514	71.659
S2.1	2.001	34.789	3.479	38.268	S4.1	2.001	38.984	3.898	42.882
Totals:		284.079	28.408	312.487	Totals:		308.461	30.846	339.308

INFILTRATION SOAKAWAY PLOTS 5-6					INFILTRATION SOAKAWAY PLOTS 7-8				
Manhole No.	Pipe No.	Private IMP	Private UC	Total IMP + UC	Manhole No.	Pipe No.	Private IMP	Private UC	Total IMP + UC
S5.0	1.000	52.982	5.298	58.280	S7.0	1.000	61.028	6.103	67.131
S5.1	1.001	35.126	3.513	38.639	S7.1	1.001	36.255	3.625	39.880
SCP 6-7	1.002	79.384	7.938	87.322	SCP 7-8	1.002	44.525	4.452	48.977
S6.0	2.000	57.263	5.726	62.989	S8.0	2.000	47.620	4.762	52.382
S6.1	2.001	32.473	3.247	35.720	S8.1	2.001	28.548	2.855	31.403
Totals:		257.208	25.721	282.929	Totals:		217.974	21.797	239.771

GEOCELLULAR SOAKAWAY				
Manhole No.	Pipe No.	Private IMP	Private UC	Total IMP + UC
S12.0	1.000	53.395	5.339	58.734
S14	1.002	101.257	10.126	111.383
S12.1	2.000	92.927	9.293	102.219
S11.0	3.000	47.881	4.788	52.669
S10-11	3.001	72.467	7.247	79.714
S10.0	4.000	42.299	4.230	46.529
S8.0	5.000	39.545	3.955	43.500
S9.3	5.001	33.777	3.378	37.154
PERM PAV 1	6.000	191.811	19.181	210.992
PERM PAV 3	6.001	211.086	21.109	232.195
PERM PAV 2	7.000	188.620	18.862	207.482
S9.1	8.000	32.655	3.265	35.920
S9.2	8.001	44.505	4.450	48.955
Totals:		1182.224	118.222	1300.447

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	1	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	1.000
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	200.0		

Simulation Settings

Rainfall Methodology	FEH-22	Drain Down Time (mins)	1440	10 year (l/s)	4.6
Rainfall Events	Singular	Additional Storage (m³/ha)	20.0	30 year (l/s)	6.8
Summer CV	1.000	Starting Level (m)		100 year (l/s)	9.1
Winter CV	1.000	Check Discharge Rate(s)	✓	Check Discharge Volume	✓
Analysis Speed	Detailed	1 year (l/s)	2.4	100 year 360 minute (m³)	173
Skip Steady State	x	2 year (l/s)	2.5		

Storm Durations

15 | 30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
30	0	0	0

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	2.40
Greenfield Method	FEH	Growth Factor 100 year	3.19
Positively Drained Area (ha)	0.468	Betterment (%)	0
SAAR (mm)	837	QMed	2.5
Host	1	QBar	2.8
BFIHost	0.445	Q 1 year (l/s)	2.4
Region	7	Q 2 year (l/s)	2.5
QBar/QMed conversion factor	1.136	Q 10 year (l/s)	4.6
Growth Factor 1 year	0.85	Q 30 year (l/s)	6.8
Growth Factor 2 year	0.88	Q 100 year (l/s)	9.1
Growth Factor 10 year	1.62		

Pre-development Discharge Volume

Site Makeup	Greenfield	Return Period (years)	100
Greenfield Method	FSR/FEH	Climate Change (%)	0
Positively Drained Area (ha)	0.468	Storm Duration (mins)	360
Soil Index	4	Betterment (%)	0
SPR	0.47	PR	0.519
CWI	124.593	Runoff Volume (m³)	173

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	1	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	1.000
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	200.0		

Links

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)
1.000	S12.0	S12.2	12.849	127.325	127.239	0.086	149.4
1.001	S12.2	S14	10.277	127.239	127.072	0.167	61.5
2.000	S12.1	S14	17.508	127.189	127.072	0.117	149.6
1.002	S14	SW1.0	7.693	127.072	127.021	0.051	150.8
1.003	SW1.0	S20	14.986	127.021	126.700	0.321	46.7
3.000	S11.0	S10-11	9.730	127.235	126.980	0.255	38.2
4.000	S10.0	S10-11	9.632	127.061	126.980	0.081	118.9
3.001	S10-11	S20	20.786	126.980	126.700	0.280	74.2
1.004	S20	SW1.1	13.117	126.700	126.405	0.295	44.5
5.000	S9.0	S9.3	14.790	127.161	126.644	0.517	28.6
5.001	S9.3	SW1.1	4.766	126.644	126.405	0.239	19.9
1.005	SW1.1	S28	9.123	125.428	125.394	0.034	268.3
6.000	PERM PAV 1	PERM PAV 3	24.240	127.929	127.366	0.563	43.1
7.000	PERM PAV 2	PERM PAV 3	20.624	127.700	127.366	0.334	61.7
6.001	PERM PAV 3	S28	18.834	127.366	126.942	0.424	44.4
8.000	S9.1	S9.2	14.604	126.777	126.435	0.342	42.7
8.001	S9.2	S28	8.461	126.435	125.394	1.041	8.1
1.006	S28	OUTFALL	6.391	125.394	125.350	0.044	145.3

Name	US Node	DS Node	US Depth (m)	DS Depth (m)	Σ Area (ha)
1.000	S12.0	S12.2	0.350	0.476	0.006
1.001	S12.2	S14	0.476	0.790	0.006
2.000	S12.1	S14	0.477	0.790	0.010
1.002	S14	SW1.0	0.790	0.900	0.027
1.003	SW1.0	S20	0.900	0.870	0.027
3.000	S11.0	S10-11	0.450	0.870	0.005
4.000	S10.0	S10-11	0.450	0.870	0.005
3.001	S10-11	S20	0.870	0.870	0.018
1.004	S20	SW1.1	0.870	0.900	0.045
5.000	S9.0	S9.3	0.350	0.800	0.007
5.001	S9.3	SW1.1	0.800	0.900	0.010
1.005	SW1.1	S28	1.877	1.698	0.055
6.000	PERM PAV 1	PERM PAV 3	0.150	0.150	0.021
7.000	PERM PAV 2	PERM PAV 3	0.150	0.150	0.022
6.001	PERM PAV 3	S28	0.075	0.075	0.066
8.000	S9.1	S9.2	0.350	0.800	0.004
8.001	S9.2	S28	0.800	1.698	0.008
1.006	S28	OUTFALL	1.623	1.737	0.130

	BDR Civil & Structural Engineeri The Old Engine House Goblands Farm Business Park, H TN11 ODP	File: 26-0204 Hydraulic Calcualt Network: Santiago Garnes 15/06/2026	Page 2 26-0204 Land South Of Hammerwood Road Geocellular Soakaway
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Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	1.000	Drain Down Time (mins)	1440	Check Discharge Volume	x
Winter CV	1.000	Additional Storage (m³/ha)	20.0		

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
2	0	0	0
10	0	0	0
30	40	0	0
100	45	0	0

Node OUTFALL Online Head/Flow Control

Flap Valve	x	Replaces Downstream Link	x	Invert Level (m)	125.350
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Head (m)	Flow (l/s)
0.001	0.000

Node OUTFALL Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	6.87600	Safety Factor	2.0	Invert Level (m)	124.700
Side Inf Coefficient (m/hr)	6.87600	Porosity	0.95	Time to half empty (mins)	9

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	24.0	24.0	0.800	24.0	37.9	0.801	0.0	37.9

Node PERM PAV 3 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	127.370	Slope (1:X)	45.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.200
Safety Factor	2.0	Width (m)	6.000	Inf Depth (m)	
Porosity	0.30	Length (m)	33.000		

Node PERM PAV 3 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	127.370	Slope (1:X)	80.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.200
Safety Factor	2.0	Width (m)	8.000	Inf Depth (m)	
Porosity	0.30	Length (m)	20.000		

Node S28 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	126.950	Slope (1:X)	40.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.200
Safety Factor	2.0	Width (m)	6.000	Inf Depth (m)	
Porosity	0.30	Length (m)	20.000		

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Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
1 year 15 minute summer	72.094	20.400	10 year 60 minute summer	100.816	26.643
1 year 15 minute winter	50.592	20.400	10 year 60 minute winter	66.980	26.643
1 year 30 minute summer	47.019	13.305	10 year 120 minute summer	63.336	16.738
1 year 30 minute winter	32.996	13.305	10 year 120 minute winter	42.079	16.738
1 year 60 minute summer	32.072	8.476	10 year 180 minute summer	49.042	12.620
1 year 60 minute winter	21.308	8.476	10 year 180 minute winter	31.879	12.620
1 year 120 minute summer	24.739	6.538	10 year 240 minute summer	38.903	10.281
1 year 120 minute winter	16.436	6.538	10 year 240 minute winter	25.846	10.281
1 year 180 minute summer	20.822	5.358	10 year 360 minute summer	29.712	7.646
1 year 180 minute winter	13.535	5.358	10 year 360 minute winter	19.314	7.646
1 year 240 minute summer	17.311	4.575	10 year 480 minute summer	23.294	6.156
1 year 240 minute winter	11.501	4.575	10 year 480 minute winter	15.476	6.156
1 year 360 minute summer	13.908	3.579	10 year 600 minute summer	18.981	5.192
1 year 360 minute winter	9.041	3.579	10 year 600 minute winter	12.969	5.192
1 year 480 minute summer	11.243	2.971	10 year 720 minute summer	16.837	4.513
1 year 480 minute winter	7.469	2.971	10 year 720 minute winter	11.316	4.513
1 year 600 minute summer	9.355	2.559	10 year 960 minute summer	13.732	3.616
1 year 600 minute winter	6.392	2.559	10 year 960 minute winter	9.096	3.616
1 year 720 minute summer	8.428	2.259	10 year 1440 minute summer	9.861	2.643
1 year 720 minute winter	5.664	2.259	10 year 1440 minute winter	6.627	2.643
1 year 960 minute summer	7.020	1.849	30 year +40% CC 15 minute summer	416.421	117.833
1 year 960 minute winter	4.650	1.849	30 year +40% CC 15 minute winter	292.225	117.833
1 year 1440 minute summer	5.181	1.389	30 year +40% CC 30 minute summer	276.641	78.280
1 year 1440 minute winter	3.482	1.389	30 year +40% CC 30 minute winter	194.134	78.280
2 year 15 minute summer	111.674	31.600	30 year +40% CC 60 minute summer	188.280	49.757
2 year 15 minute winter	78.368	31.600	30 year +40% CC 60 minute winter	125.089	49.757
2 year 30 minute summer	73.334	20.751	30 year +40% CC 120 minute summer	114.299	30.206
2 year 30 minute winter	51.463	20.751	30 year +40% CC 120 minute winter	75.937	30.206
2 year 60 minute summer	49.566	13.099	30 year +40% CC 180 minute summer	87.256	22.454
2 year 60 minute winter	32.930	13.099	30 year +40% CC 180 minute winter	56.719	22.454
2 year 120 minute summer	35.000	9.249	30 year +40% CC 240 minute summer	68.669	18.147
2 year 120 minute winter	23.253	9.249	30 year +40% CC 240 minute winter	45.622	18.147
2 year 180 minute summer	28.461	7.324	30 year +40% CC 360 minute summer	51.996	13.380
2 year 180 minute winter	18.500	7.324	30 year +40% CC 360 minute winter	33.799	13.380
2 year 240 minute summer	23.207	6.133	30 year +40% CC 480 minute summer	40.681	10.751
2 year 240 minute winter	15.418	6.133	30 year +40% CC 480 minute winter	27.027	10.751
2 year 360 minute summer	18.248	4.696	30 year +40% CC 600 minute summer	33.139	9.064
2 year 360 minute winter	11.861	4.696	30 year +40% CC 600 minute winter	22.642	9.064
2 year 480 minute summer	14.557	3.847	30 year +40% CC 720 minute summer	29.407	7.881
2 year 480 minute winter	9.671	3.847	30 year +40% CC 720 minute winter	19.763	7.881
2 year 600 minute summer	12.001	3.283	30 year +40% CC 960 minute summer	24.004	6.321
2 year 600 minute winter	8.200	3.283	30 year +40% CC 960 minute winter	15.901	6.321
2 year 720 minute summer	10.735	2.877	30 year +40% CC 1440 minute summer	17.254	4.624
2 year 720 minute winter	7.215	2.877	30 year +40% CC 1440 minute winter	11.596	4.624
2 year 960 minute summer	8.848	2.330	100 year +45% CC 15 minute summer	545.579	154.380
2 year 960 minute winter	5.861	2.330	100 year +45% CC 15 minute winter	382.863	154.380
2 year 1440 minute summer	6.452	1.729	100 year +45% CC 30 minute summer	366.728	103.771
2 year 1440 minute winter	4.336	1.729	100 year +45% CC 30 minute winter	257.353	103.771
10 year 15 minute summer	225.848	63.907	100 year +45% CC 60 minute summer	250.909	66.308
10 year 15 minute winter	158.490	63.907	100 year +45% CC 60 minute winter	166.698	66.308
10 year 30 minute summer	149.109	42.193	100 year +45% CC 120 minute summer	148.877	39.344
10 year 30 minute winter	104.638	42.193	100 year +45% CC 120 minute winter	98.910	39.344

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year +45% CC 180 minute summer	112.618	28.981	100 year +45% CC 600 minute summer	42.899	11.734
100 year +45% CC 180 minute winter	73.205	28.981	100 year +45% CC 600 minute winter	29.311	11.734
100 year +45% CC 240 minute summer	88.311	23.338	100 year +45% CC 720 minute summer	38.228	10.246
100 year +45% CC 240 minute winter	58.671	23.338	100 year +45% CC 720 minute winter	25.692	10.246
100 year +45% CC 360 minute summer	66.919	17.220	100 year +45% CC 960 minute summer	31.536	8.304
100 year +45% CC 360 minute winter	43.499	17.220	100 year +45% CC 960 minute winter	20.890	8.304
100 year +45% CC 480 minute summer	52.478	13.869	100 year +45% CC 1440 minute summer	23.040	6.175
100 year +45% CC 480 minute winter	34.865	13.869	100 year +45% CC 1440 minute winter	15.484	6.175

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S12.0	10	127.348	0.023	0.7	0.0092	0.0000	OK
15 minute summer	S12.2	11	127.257	0.018	0.7	0.0029	0.0000	OK
15 minute summer	S12.1	10	127.218	0.029	1.2	0.0139	0.0000	OK
15 minute summer	S14	11	127.122	0.050	3.2	0.0118	0.0000	OK
15 minute summer	SW1.0	11	127.056	0.035	3.2	0.0056	0.0000	OK
15 minute summer	S11.0	11	127.250	0.015	0.6	0.0050	0.0000	OK
15 minute summer	S10.0	11	127.079	0.018	0.5	0.0057	0.0000	OK
15 minute summer	S10-11	11	127.012	0.032	2.0	0.0099	0.0000	OK
15 minute summer	S20	11	126.746	0.046	5.2	0.0000	0.0000	OK
15 minute summer	S9.0	10	127.177	0.016	0.8	0.0067	0.0000	OK
15 minute summer	S9.3	10	126.662	0.018	1.2	0.0043	0.0000	OK
15 minute summer	SW1.1	11	125.519	0.091	6.3	0.0145	0.0000	OK
15 minute summer	PERM PAV 1	10	127.960	0.031	2.5	0.0430	0.0000	OK
15 minute summer	PERM PAV 2	10	127.734	0.034	2.6	0.0496	0.0000	OK
15 minute summer	PERM PAV 3	11	127.414	0.048	7.7	0.2530	0.0000	OK
15 minute winter	S9.1	11	126.790	0.013	0.4	0.0039	0.0000	OK
15 minute summer	S9.2	10	126.448	0.013	1.0	0.0035	0.0000	OK
15 minute summer	S28	11	125.493	0.099	14.6	0.0000	0.0000	OK
15 minute summer	OUTFALL	12	124.731	-0.619	14.6	0.7019	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S12.0	1.000	S12.2	0.7	0.479	0.048	0.0189	
15 minute summer	S12.2	1.001	S14	0.7	0.235	0.031	0.0324	
15 minute summer	S12.1	2.000	S14	1.2	0.320	0.081	0.0648	
15 minute summer	S14	1.002	SW1.0	3.2	0.769	0.219	0.0318	
15 minute summer	SW1.0	1.003	S20	3.2	0.819	0.121	0.0580	
15 minute summer	S11.0	3.000	S10-11	0.6	0.355	0.021	0.0175	
15 minute summer	S10.0	4.000	S10-11	0.5	0.264	0.031	0.0187	
15 minute summer	S10-11	3.001	S20	2.0	0.580	0.097	0.0757	
15 minute summer	S20	1.004	SW1.1	5.1	1.145	0.192	0.0589	
15 minute summer	S9.0	5.000	S9.3	0.8	0.709	0.023	0.0163	
15 minute summer	S9.3	5.001	SW1.1	1.2	0.982	0.029	0.0056	
15 minute summer	SW1.1	1.005	S28	6.3	0.532	0.582	0.1075	
15 minute summer	PERM PAV 1	6.000	PERM PAV 3	2.5	0.706	0.091	0.0896	
15 minute summer	PERM PAV 2	7.000	PERM PAV 3	2.6	0.688	0.113	0.0807	
15 minute summer	PERM PAV 3	6.001	S28	7.4	1.229	0.095	0.1142	
15 minute winter	S9.1	8.000	S9.2	0.4	0.559	0.015	0.0104	
15 minute summer	S9.2	8.001	S28	1.0	0.209	0.016	0.0552	
15 minute summer	S28	1.006	OUTFALL	14.6	0.926	0.339	0.1007	
15 minute summer	OUTFALL	Head/Flow		0.0				0.0
15 minute summer	OUTFALL	Infiltration		14.1				

Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S12.0	10	127.354	0.029	1.1	0.0114	0.0000	OK
15 minute summer	S12.2	11	127.261	0.022	1.1	0.0035	0.0000	OK
15 minute summer	S12.1	10	127.225	0.036	1.9	0.0176	0.0000	OK
15 minute summer	S14	11	127.135	0.062	4.9	0.0148	0.0000	OK
15 minute summer	SW1.0	11	127.065	0.044	4.9	0.0070	0.0000	OK
15 minute summer	S11.0	10	127.254	0.019	1.0	0.0064	0.0000	OK
15 minute summer	S10.0	11	127.084	0.023	0.8	0.0071	0.0000	OK
15 minute summer	S10-11	10	127.020	0.040	3.3	0.0126	0.0000	OK
15 minute summer	S20	11	126.759	0.059	8.0	0.0000	0.0000	OK
15 minute summer	S9.0	10	127.180	0.019	1.2	0.0082	0.0000	OK
15 minute summer	S9.3	10	126.667	0.023	1.9	0.0054	0.0000	OK
15 minute summer	SW1.1	11	125.559	0.131	9.8	0.0208	0.0000	OK
15 minute summer	PERM PAV 1	10	127.967	0.038	3.8	0.0531	0.0000	OK
15 minute summer	PERM PAV 2	10	127.742	0.042	4.0	0.0617	0.0000	OK
15 minute summer	PERM PAV 3	11	127.426	0.060	11.9	0.3808	0.0000	OK
15 minute summer	S9.1	10	126.794	0.017	0.7	0.0050	0.0000	OK
15 minute summer	S9.2	10	126.451	0.016	1.6	0.0043	0.0000	OK
15 minute summer	S28	11	125.524	0.130	22.9	0.0000	0.0000	OK
15 minute summer	OUTFALL	12	124.748	-0.602	22.9	1.0963	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S12.0	1.000	S12.2	1.1	0.545	0.074	0.0255	
15 minute summer	S12.2	1.001	S14	1.0	0.258	0.046	0.0439	
15 minute summer	S12.1	2.000	S14	1.9	0.371	0.129	0.0894	
15 minute summer	S14	1.002	SW1.0	4.9	0.868	0.337	0.0432	
15 minute summer	SW1.0	1.003	S20	4.9	0.910	0.187	0.0806	
15 minute summer	S11.0	3.000	S10-11	1.0	0.403	0.034	0.0246	
15 minute summer	S10.0	4.000	S10-11	0.8	0.309	0.049	0.0261	
15 minute summer	S10-11	3.001	S20	3.2	0.649	0.156	0.1059	
15 minute summer	S20	1.004	SW1.1	8.1	1.291	0.303	0.0822	
15 minute summer	S9.0	5.000	S9.3	1.2	0.783	0.035	0.0224	
15 minute summer	S9.3	5.001	SW1.1	1.8	1.122	0.046	0.0079	
15 minute summer	SW1.1	1.005	S28	9.9	0.608	0.917	0.1481	
15 minute summer	PERM PAV 1	6.000	PERM PAV 3	3.8	0.797	0.139	0.1217	
15 minute summer	PERM PAV 2	7.000	PERM PAV 3	3.9	0.771	0.174	0.1094	
15 minute summer	PERM PAV 3	6.001	S28	11.5	1.387	0.147	0.1564	
15 minute summer	S9.1	8.000	S9.2	0.7	0.647	0.025	0.0153	
15 minute summer	S9.2	8.001	S28	1.6	0.281	0.025	0.0728	
15 minute summer	S28	1.006	OUTFALL	22.9	1.036	0.532	0.1413	
15 minute summer	OUTFALL	Head/Flow		0.0				0.0
15 minute summer	OUTFALL	Infiltration		22.0				

Results for 10 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S12.0	10	127.366	0.041	2.2	0.0162	0.0000	OK
15 minute summer	S12.2	10	127.270	0.031	2.2	0.0050	0.0000	OK
15 minute summer	S12.1	10	127.241	0.052	3.8	0.0252	0.0000	OK
15 minute summer	S14	10	127.166	0.094	10.0	0.0223	0.0000	OK
15 minute summer	SW1.0	11	127.085	0.064	9.9	0.0102	0.0000	OK
15 minute summer	S11.0	11	127.261	0.026	1.9	0.0088	0.0000	OK
15 minute summer	S10.0	10	127.094	0.033	1.7	0.0102	0.0000	OK
15 minute summer	S10-11	10	127.037	0.057	6.5	0.0181	0.0000	OK
15 minute summer	S20	11	126.791	0.091	16.2	0.0000	0.0000	OK
15 minute summer	S9.0	10	127.188	0.027	2.4	0.0115	0.0000	OK
15 minute summer	S9.3	10	126.677	0.033	3.8	0.0078	0.0000	OK
15 minute summer	SW1.1	11	125.784	0.356	20.0	0.0566	0.0000	SURCHARGED
15 minute summer	PERM PAV 1	10	127.984	0.055	7.8	0.0769	0.0000	OK
15 minute summer	PERM PAV 2	10	127.762	0.062	8.1	0.0896	0.0000	OK
15 minute summer	PERM PAV 3	11	127.455	0.089	24.3	0.7835	0.0000	OK
15 minute summer	S9.1	11	126.800	0.023	1.3	0.0068	0.0000	OK
15 minute summer	S9.2	10	126.458	0.023	3.1	0.0059	0.0000	OK
15 minute summer	S28	11	125.628	0.234	46.4	0.0000	0.0000	SURCHARGED
15 minute summer	OUTFALL	14	124.962	-0.388	46.4	5.9747	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S12.0	1.000	S12.2	2.2	0.668	0.150	0.0422	
15 minute summer	S12.2	1.001	S14	2.2	0.310	0.095	0.0733	
15 minute summer	S12.1	2.000	S14	3.8	0.442	0.259	0.1490	
15 minute summer	S14	1.002	SW1.0	9.9	1.052	0.684	0.0720	
15 minute summer	SW1.0	1.003	S20	9.9	1.082	0.378	0.1374	
15 minute summer	S11.0	3.000	S10-11	1.9	0.488	0.066	0.0401	
15 minute summer	S10.0	4.000	S10-11	1.7	0.380	0.103	0.0433	
15 minute summer	S10-11	3.001	S20	6.4	0.760	0.311	0.1802	
15 minute summer	S20	1.004	SW1.1	16.3	1.525	0.611	0.1405	
15 minute summer	S9.0	5.000	S9.3	2.4	0.948	0.071	0.0373	
15 minute summer	S9.3	5.001	SW1.1	3.8	1.365	0.094	0.0131	
15 minute summer	SW1.1	1.005	S28	19.9	1.130	1.850	0.1606	
15 minute summer	PERM PAV 1	6.000	PERM PAV 3	7.7	0.967	0.284	0.2002	
15 minute summer	PERM PAV 2	7.000	PERM PAV 3	8.0	0.941	0.354	0.1805	
15 minute summer	PERM PAV 3	6.001	S28	23.5	1.675	0.300	0.2641	
15 minute summer	S9.1	8.000	S9.2	1.3	0.787	0.048	0.0243	
15 minute summer	S9.2	8.001	S28	3.1	0.592	0.049	0.0815	
15 minute summer	S28	1.006	OUTFALL	46.4	1.213	1.077	0.2358	
15 minute summer	OUTFALL	Head/Flow		0.0				0.0
15 minute summer	OUTFALL	Infiltration		26.7				

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Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S12.0	12	127.453	0.128	5.2	0.0504	0.0000	OK
15 minute summer	S12.2	12	127.446	0.207	5.2	0.0330	0.0000	SURCHARGED
15 minute summer	S12.1	12	127.473	0.284	9.1	0.1377	0.0000	SURCHARGED
15 minute summer	S14	12	127.439	0.367	20.8	0.0870	0.0000	SURCHARGED
30 minute summer	SW1.0	23	127.331	0.310	19.2	0.0493	0.0000	SURCHARGED
30 minute summer	S11.0	23	127.316	0.081	4.3	0.0272	0.0000	OK
30 minute summer	S10.0	24	127.311	0.250	3.8	0.0786	0.0000	SURCHARGED
30 minute summer	S10-11	23	127.314	0.334	14.5	0.1051	0.0000	SURCHARGED
30 minute summer	S20	23	127.301	0.601	31.6	0.0000	0.0000	SURCHARGED
30 minute summer	S9.0	23	127.235	0.074	5.4	0.0312	0.0000	OK
30 minute summer	S9.3	23	127.237	0.593	9.0	0.1406	0.0000	SURCHARGED
30 minute summer	SW1.1	23	127.237	1.808	39.1	0.2875	0.0000	FLOOD RISK
15 minute summer	PERM PAV 1	10	128.020	0.091	18.8	0.1283	0.0000	OK
15 minute summer	PERM PAV 2	10	127.812	0.112	19.5	0.1625	0.0000	OK
15 minute summer	PERM PAV 3	11	127.520	0.154	58.7	2.2356	0.0000	OK
30 minute summer	S9.1	23	127.163	0.386	6.6	0.1169	0.0000	FLOOD RISK
30 minute summer	S9.2	23	127.167	0.732	12.8	0.1917	0.0000	FLOOD RISK
30 minute summer	S28	23	127.168	1.774	97.5	0.7027	0.0000	FLOOD RISK
30 minute summer	OUTFALL	23	127.114	1.764	97.6	18.2514	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S12.0	1.000	S12.2	5.2	0.835	0.361	0.2158	
15 minute summer	S12.2	1.001	S14	5.1	0.355	0.225	0.1809	
15 minute summer	S12.1	2.000	S14	8.1	0.513	0.558	0.3082	
15 minute summer	S14	1.002	SW1.0	19.7	1.146	1.363	0.1354	
30 minute summer	SW1.0	1.003	S20	18.8	1.150	0.720	0.2638	
30 minute summer	S11.0	3.000	S10-11	4.3	0.572	0.149	0.1331	
30 minute summer	S10.0	4.000	S10-11	3.8	0.460	0.231	0.1696	
30 minute summer	S10-11	3.001	S20	12.9	0.852	0.624	0.3659	
30 minute summer	S20	1.004	SW1.1	31.3	1.779	1.171	0.2309	
30 minute summer	S9.0	5.000	S9.3	5.4	1.241	0.162	0.1943	
30 minute summer	S9.3	5.001	SW1.1	8.7	1.674	0.216	0.0839	
30 minute summer	SW1.1	1.005	S28	38.8	2.205	3.609	0.1606	
15 minute summer	PERM PAV 1	6.000	PERM PAV 3	18.6	1.262	0.686	0.3484	
15 minute summer	PERM PAV 2	7.000	PERM PAV 3	19.4	1.198	0.855	0.3257	
15 minute summer	PERM PAV 3	6.001	S28	55.8	2.037	0.713	0.5155	
30 minute summer	S9.1	8.000	S9.2	-5.0	1.000	-0.183	0.2571	
30 minute summer	S9.2	8.001	S28	-8.9	0.600	-0.141	0.1490	
30 minute summer	S28	1.006	OUTFALL	97.6	2.455	2.268	0.2542	
30 minute summer	OUTFALL	Head/Flow		0.0				0.0
30 minute summer	OUTFALL	Infiltration		36.2				



BDR

Civil & Structural Engineering Consultants

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The Old Engine House

Goblands Farm Business Park, H

TN11 ODP

File: 26-0204 Hydraulic Calcualti

Network:

Santiago Garnes

15/06/2026

Page 1

26-0204 Land South Of

Hammerwood Road

Infiltration Trench Plots1-2

Design Settings

Rainfall Methodology

FEH-22

Return Period (years)

1

Additional Flow (%)

0

CV

1.000

Time of Entry (mins)

5.00

Maximum Time of Concentration (mins)

30.00

Maximum Rainfall (mm/hr)

200.0

Minimum Velocity (m/s)

1.00

Connection Type

Level Soffits

Minimum Backdrop Height (m)

1.000

Preferred Cover Depth (m)

1.200

Include Intermediate Ground

✓

Enforce best practice design rules

✓

Links

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)
1.000	S1.0	S1.1	13.824	126.590	126.498	0.092	150.3
1.001	S1.1	S1-2 CP	9.922	126.498	126.432	0.066	150.3
2.000	S2.0	S2.1	14.047	126.550	126.269	0.281	50.0
2.001	S2.1	S1-2 CP	7.965	126.269	126.110	0.159	50.1
1.002	S1-2 CP	OUTFALL 1-2	2.122	125.764	125.750	0.014	151.6

Name	US Node	DS Node	US Depth (m)	DS Depth (m)	Σ Area (ha)
1.000	S1.0	S1.1	0.350	0.472	0.009
1.001	S1.1	S1-2 CP	0.472	0.668	0.012
2.000	S2.0	S2.1	0.350	0.701	0.007
2.001	S2.1	S1-2 CP	0.701	0.990	0.011
1.002	S1-2 CP	OUTFALL 1-2	1.336	1.510	0.032

Simulation Settings

Rainfall Methodology

FEH-22

Rainfall Events

Singular

Summer CV

1.000

Winter CV

1.000

Analysis Speed

Detailed

Skip Steady State

x

Drain Down Time (mins)

1440

Additional Storage (m³/ha)

20.0

Starting Level (m)

Check Discharge Rate(s)

x

Check Discharge Volume

x

Storm Durations

15

30

60

120

180

240

360

480

600

720

960

1440

Return Period (years)

Climate Change (CC %)

Additional Area (A %)

Additional Flow (Q %)

1

0

0

0

2

0

0

0

10

0

0

0

30

40

0

0

100

45

0

0

Node OUTFALL 1-2 Online Head/Flow Control

Flap Valve

x

Replaces Downstream Link

x

Invert Level (m)

125.750

Head (m)

Flow (l/s)

0.001

0.000

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	BDR Civil & Structural Engineeri The Old Engine House Goblands Farm Business Park, H TN11 ODP	File: 26-0204 Hydraulic Calcualt Network: Santiago Garnes 15/06/2026	Page 2 26-0204 Land South Of Hammerwood Road Infiltration Trench Plots1-2
Node OUTFALL 1-2 Depth/Area Storage Structure			
Base Inf Coefficient (m/hr)		6.87600	
Side Inf Coefficient (m/hr)		6.87600	
Safety Factor		2.0	
Porosity		0.30	
Invert Level (m)		125.100	
Time to half empty (mins)		3	
Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)
0.000	6.0	6.0	0.800
			6.0
			12.9
			0.801
			0.0
			12.9
Rainfall			
Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event
1 year 15 minute summer	72.094	20.400	2 year 720 minute winter
1 year 15 minute winter	50.592	20.400	2 year 960 minute summer
1 year 30 minute summer	47.019	13.305	2 year 960 minute winter
1 year 30 minute winter	32.996	13.305	2 year 1440 minute summer
1 year 60 minute summer	32.072	8.476	2 year 1440 minute winter
1 year 60 minute winter	21.308	8.476	10 year 15 minute summer
1 year 120 minute summer	24.739	6.538	10 year 15 minute winter
1 year 120 minute winter	16.436	6.538	10 year 30 minute summer
1 year 180 minute summer	20.822	5.358	10 year 30 minute winter
1 year 180 minute winter	13.535	5.358	10 year 60 minute summer
1 year 240 minute summer	17.311	4.575	10 year 60 minute winter
1 year 240 minute winter	11.501	4.575	10 year 120 minute summer
1 year 360 minute summer	13.908	3.579	10 year 120 minute winter
1 year 360 minute winter	9.041	3.579	10 year 180 minute summer
1 year 480 minute summer	11.243	2.971	10 year 180 minute winter
1 year 480 minute winter	7.469	2.971	10 year 240 minute summer
1 year 600 minute summer	9.355	2.559	10 year 240 minute winter
1 year 600 minute winter	6.392	2.559	10 year 360 minute summer
1 year 720 minute summer	8.428	2.259	10 year 360 minute winter
1 year 720 minute winter	5.664	2.259	10 year 480 minute summer
1 year 960 minute summer	7.020	1.849	10 year 480 minute winter
1 year 960 minute winter	4.650	1.849	10 year 600 minute summer
1 year 1440 minute summer	5.181	1.389	10 year 600 minute winter
1 year 1440 minute winter	3.482	1.389	10 year 720 minute summer
2 year 15 minute summer	111.674	31.600	10 year 720 minute winter
2 year 15 minute winter	78.368	31.600	10 year 960 minute summer
2 year 30 minute summer	73.334	20.751	10 year 960 minute winter
2 year 30 minute winter	51.463	20.751	10 year 1440 minute summer
2 year 60 minute summer	49.566	13.099	10 year 1440 minute winter
2 year 60 minute winter	32.930	13.099	30 year +40% CC 15 minute summer
2 year 120 minute summer	35.000	9.249	30 year +40% CC 15 minute winter
2 year 120 minute winter	23.253	9.249	30 year +40% CC 30 minute summer
2 year 180 minute summer	28.461	7.324	30 year +40% CC 30 minute winter
2 year 180 minute winter	18.500	7.324	30 year +40% CC 60 minute summer
2 year 240 minute summer	23.207	6.133	30 year +40% CC 60 minute winter
2 year 240 minute winter	15.418	6.133	30 year +40% CC 120 minute summer
2 year 360 minute summer	18.248	4.696	30 year +40% CC 120 minute winter
2 year 360 minute winter	11.861	4.696	30 year +40% CC 180 minute summer
2 year 480 minute summer	14.557	3.847	30 year +40% CC 180 minute winter
2 year 480 minute winter	9.671	3.847	30 year +40% CC 240 minute summer
2 year 600 minute summer	12.001	3.283	30 year +40% CC 240 minute winter
2 year 600 minute winter	8.200	3.283	30 year +40% CC 360 minute summer
2 year 720 minute summer	10.735	2.877	30 year +40% CC 360 minute winter
			33.799
			13.380
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Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
30 year +40% CC 480 minute summer	40.681	10.751	100 year +45% CC 120 minute winter	98.910	39.344
30 year +40% CC 480 minute winter	27.027	10.751	100 year +45% CC 180 minute summer	112.618	28.981
30 year +40% CC 600 minute summer	33.139	9.064	100 year +45% CC 180 minute winter	73.205	28.981
30 year +40% CC 600 minute winter	22.642	9.064	100 year +45% CC 240 minute summer	88.311	23.338
30 year +40% CC 720 minute summer	29.407	7.881	100 year +45% CC 240 minute winter	58.671	23.338
30 year +40% CC 720 minute winter	19.763	7.881	100 year +45% CC 360 minute summer	66.919	17.220
30 year +40% CC 960 minute summer	24.004	6.321	100 year +45% CC 360 minute winter	43.499	17.220
30 year +40% CC 960 minute winter	15.901	6.321	100 year +45% CC 480 minute summer	52.478	13.869
30 year +40% CC 1440 minute summer	17.254	4.624	100 year +45% CC 480 minute winter	34.865	13.869
30 year +40% CC 1440 minute winter	11.596	4.624	100 year +45% CC 600 minute summer	42.899	11.734
100 year +45% CC 15 minute summer	545.579	154.380	100 year +45% CC 600 minute winter	29.311	11.734
100 year +45% CC 15 minute winter	382.863	154.380	100 year +45% CC 720 minute summer	38.228	10.246
100 year +45% CC 30 minute summer	366.728	103.771	100 year +45% CC 720 minute winter	25.692	10.246
100 year +45% CC 30 minute winter	257.353	103.771	100 year +45% CC 960 minute summer	31.536	8.304
100 year +45% CC 60 minute summer	250.909	66.308	100 year +45% CC 960 minute winter	20.890	8.304
100 year +45% CC 60 minute winter	166.698	66.308	100 year +45% CC 1440 minute summer	23.040	6.175
100 year +45% CC 120 minute summer	148.877	39.344	100 year +45% CC 1440 minute winter	15.484	6.175

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1.0	10	126.618	0.028	1.1	0.0145	0.0000	OK
15 minute summer	S1.1	11	126.531	0.033	1.5	0.0086	0.0000	OK
15 minute summer	S2.0	11	126.568	0.018	0.8	0.0080	0.0000	OK
15 minute summer	S2.1	10	126.293	0.024	1.3	0.0059	0.0000	OK
15 minute summer	S1-2 CP	10	125.822	0.058	3.8	0.0165	0.0000	OK
15 minute summer	OUTFALL 1-2	11	125.133	-0.617	3.7	0.0589	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1.0	1.000	S1.1	1.1	0.427	0.074	0.0347	
15 minute summer	S1.1	1.001	S1-2 CP	1.5	0.519	0.101	0.0278	
15 minute summer	S2.0	2.000	S2.1	0.8	0.548	0.032	0.0210	
15 minute summer	S2.1	2.001	S1-2 CP	1.3	0.733	0.050	0.0137	
15 minute summer	S1-2 CP	1.002	OUTFALL 1-2	3.7	0.640	0.259	0.0124	
15 minute summer	OUTFALL 1-2	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 1-2	Infiltration		3.8				

Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1.0	10	126.625	0.034	1.7	0.0181	0.0000	OK
15 minute summer	S1.1	10	126.539	0.041	2.3	0.0107	0.0000	OK
15 minute summer	S2.0	10	126.573	0.023	1.3	0.0100	0.0000	OK
15 minute summer	S2.1	10	126.298	0.029	2.0	0.0073	0.0000	OK
15 minute summer	S1-2 CP	10	125.838	0.074	5.8	0.0212	0.0000	OK
15 minute summer	OUTFALL 1-2	11	125.153	-0.597	5.8	0.0954	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1.0	1.000	S1.1	1.7	0.486	0.116	0.0479	
15 minute summer	S1.1	1.001	S1-2 CP	2.2	0.582	0.152	0.0375	
15 minute summer	S2.0	2.000	S2.1	1.3	0.625	0.051	0.0289	
15 minute summer	S2.1	2.001	S1-2 CP	2.0	0.830	0.078	0.0188	
15 minute summer	S1-2 CP	1.002	OUTFALL 1-2	5.8	0.717	0.402	0.0171	
15 minute summer	OUTFALL 1-2	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 1-2	Infiltration		5.8				

Results for 10 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1.0	10	126.640	0.050	3.4	0.0261	0.0000	OK
15 minute summer	S1.1	10	126.558	0.060	4.6	0.0157	0.0000	OK
15 minute summer	S2.0	10	126.582	0.032	2.6	0.0141	0.0000	OK
15 minute summer	S2.1	10	126.311	0.042	4.0	0.0105	0.0000	OK
15 minute summer	S1-2 CP	10	125.883	0.119	11.8	0.0338	0.0000	OK
15 minute summer	OUTFALL 1-2	12	125.564	-0.186	11.7	0.8346	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1.0	1.000	S1.1	3.4	0.576	0.233	0.0807	
15 minute summer	S1.1	1.001	S1-2 CP	4.5	0.704	0.308	0.0630	
15 minute summer	S2.0	2.000	S2.1	2.6	0.757	0.102	0.0479	
15 minute summer	S2.1	2.001	S1-2 CP	3.9	1.003	0.155	0.0310	
15 minute summer	S1-2 CP	1.002	OUTFALL 1-2	11.7	0.848	0.812	0.0291	
15 minute summer	OUTFALL 1-2	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 1-2	Infiltration		9.4				

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1.0	10	126.660	0.070	6.2	0.0368	0.0000	OK
15 minute summer	S1.1	10	126.584	0.086	8.2	0.0224	0.0000	OK
15 minute summer	S2.0	10	126.594	0.044	4.7	0.0191	0.0000	OK
15 minute summer	S2.1	13	126.471	0.202	7.3	0.0503	0.0000	SURCHARGED
15 minute summer	S1-2 CP	13	126.465	0.701	21.6	0.1998	0.0000	SURCHARGED
15 minute summer	OUTFALL 1-2	13	126.442	0.692	19.4	1.4409	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1.0	1.000	S1.1	6.1	0.664	0.425	0.1280	
15 minute summer	S1.1	1.001	S1-2 CP	8.1	0.815	0.563	0.0991	
15 minute summer	S2.0	2.000	S2.1	4.7	0.908	0.185	0.1483	
15 minute summer	S2.1	2.001	S1-2 CP	7.2	1.178	0.287	0.1402	
15 minute summer	S1-2 CP	1.002	OUTFALL 1-2	19.4	1.111	1.352	0.0374	
15 minute summer	OUTFALL 1-2	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 1-2	Infiltration		12.4				

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.46%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1.0	21	126.869	0.278	7.5	0.1459	0.0000	FLOOD RISK
30 minute summer	S1.1	21	126.861	0.363	10.1	0.0948	0.0000	FLOOD RISK
30 minute summer	S2.0	21	126.861	0.311	5.7	0.1356	0.0000	FLOOD RISK
30 minute summer	S2.1	21	126.858	0.589	8.8	0.1466	0.0000	FLOOD RISK
30 minute summer	S1-2 CP	21	126.852	1.088	26.2	0.3100	0.0000	SURCHARGED
30 minute summer	OUTFALL 1-2	22	126.829	1.079	22.4	1.4409	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S1.0	1.000	S1.1	7.5	0.688	0.519	0.2434	
30 minute summer	S1.1	1.001	S1-2 CP	10.2	0.842	0.704	0.1747	
30 minute summer	S2.0	2.000	S2.1	5.7	0.969	0.226	0.2473	
30 minute summer	S2.1	2.001	S1-2 CP	8.9	1.190	0.352	0.1402	
30 minute summer	S1-2 CP	1.002	OUTFALL 1-2	22.4	1.271	1.554	0.0374	
30 minute summer	OUTFALL 1-2	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 1-2	Infiltration		12.4				



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The Old Engine House

Goblands Farm Business Park, H

TN11 ODP

File: 26-0204 Hydraulic Calcualt

Network:

Santiago Garnes

15/06/2026

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26-0204 Land South Of

Hammerwood Road

Infiltration Trench Plots 3-4

Design Settings

Rainfall Methodology

FEH-22

Return Period (years)

1

Additional Flow (%)

0

CV

1.000

Time of Entry (mins)

5.00

Maximum Time of Concentration (mins)

30.00

Maximum Rainfall (mm/hr)

200.0

Minimum Velocity (m/s)

1.00

Connection Type

Level Soffits

Minimum Backdrop Height (m)

1.000

Preferred Cover Depth (m)

1.200

Include Intermediate Ground

✓

Enforce best practice design rules

✓

Links

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)
1.000	S3.0	S3.1	13.965	126.571	126.478	0.093	150.2
1.001	S3.1	SCP 3-4	10.452	126.478	126.408	0.070	149.3
2.000	S4.0	S4.1	13.843	126.455	126.363	0.092	150.5
2.001	S4.1	SCP 3-4	7.615	126.363	126.312	0.051	149.3
1.002	SCP 3-4	OUTFALL 3-4	2.287	125.765	125.750	0.015	152.5

Name	US Node	DS Node	US Depth (m)	DS Depth (m)	Σ Area (ha)
1.000	S3.0	S3.1	0.318	0.503	0.009
1.001	S3.1	SCP 3-4	0.503	0.908	0.013
2.000	S4.0	S4.1	0.350	0.587	0.007
2.001	S4.1	SCP 3-4	0.587	1.004	0.011
1.002	SCP 3-4	OUTFALL 3-4	1.551	1.662	0.034

Simulation Settings

Rainfall Methodology

FEH-22

Rainfall Events

Singular

Summer CV

1.000

Winter CV

1.000

Analysis Speed

Detailed

Skip Steady State

x

Drain Down Time (mins)

1440

Additional Storage (m³/ha)

20.0

Starting Level (m)

Check Discharge Rate(s)

x

Check Discharge Volume

x

Storm Durations

15

30

60

120

180

240

360

480

600

720

960

1440

Return Period (years)

Climate Change (CC %)

Additional Area (A %)

Additional Flow (Q %)

1

0

0

0

2

0

0

0

10

0

0

0

30

40

0

0

100

45

0

0

Node OUTFALL 3-4 Online Head/Flow Control

Flap Valve

x

Replaces Downstream Link

x

Invert Level (m)

125.750

Head (m)

0.001

Flow (l/s)

0.000

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Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
30 year +40% CC 480 minute summer	40.681	10.751	100 year +45% CC 120 minute winter	98.910	39.344
30 year +40% CC 480 minute winter	27.027	10.751	100 year +45% CC 180 minute summer	112.618	28.981
30 year +40% CC 600 minute summer	33.139	9.064	100 year +45% CC 180 minute winter	73.205	28.981
30 year +40% CC 600 minute winter	22.642	9.064	100 year +45% CC 240 minute summer	88.311	23.338
30 year +40% CC 720 minute summer	29.407	7.881	100 year +45% CC 240 minute winter	58.671	23.338
30 year +40% CC 720 minute winter	19.763	7.881	100 year +45% CC 360 minute summer	66.919	17.220
30 year +40% CC 960 minute summer	24.004	6.321	100 year +45% CC 360 minute winter	43.499	17.220
30 year +40% CC 960 minute winter	15.901	6.321	100 year +45% CC 480 minute summer	52.478	13.869
30 year +40% CC 1440 minute summer	17.254	4.624	100 year +45% CC 480 minute winter	34.865	13.869
30 year +40% CC 1440 minute winter	11.596	4.624	100 year +45% CC 600 minute summer	42.899	11.734
100 year +45% CC 15 minute summer	545.579	154.380	100 year +45% CC 600 minute winter	29.311	11.734
100 year +45% CC 15 minute winter	382.863	154.380	100 year +45% CC 720 minute summer	38.228	10.246
100 year +45% CC 30 minute summer	366.728	103.771	100 year +45% CC 720 minute winter	25.692	10.246
100 year +45% CC 30 minute winter	257.353	103.771	100 year +45% CC 960 minute summer	31.536	8.304
100 year +45% CC 60 minute summer	250.909	66.308	100 year +45% CC 960 minute winter	20.890	8.304
100 year +45% CC 60 minute winter	166.698	66.308	100 year +45% CC 1440 minute summer	23.040	6.175
100 year +45% CC 120 minute summer	148.877	39.344	100 year +45% CC 1440 minute winter	15.484	6.175

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S3.0	10	126.599	0.028	1.1	0.0150	0.0000	OK
15 minute summer	S3.1	11	126.512	0.034	1.6	0.0100	0.0000	OK
15 minute summer	S4.0	11	126.479	0.024	0.8	0.0107	0.0000	OK
15 minute summer	S4.1	11	126.394	0.031	1.3	0.0086	0.0000	OK
15 minute summer	SCP 3-4	11	125.824	0.059	3.9	0.0157	0.0000	OK
15 minute summer	OUTFALL 3-4	11	125.134	-0.616	3.9	0.0611	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S3.0	1.000	S3.1	1.1	0.416	0.074	0.0360	
15 minute summer	S3.1	1.001	SCP 3-4	1.6	0.530	0.107	0.0306	
15 minute summer	S4.0	2.000	S4.1	0.8	0.365	0.055	0.0309	
15 minute summer	S4.1	2.001	SCP 3-4	1.3	0.501	0.090	0.0198	
15 minute summer	SCP 3-4	1.002	OUTFALL 3-4	3.9	0.647	0.270	0.0137	
15 minute summer	OUTFALL 3-4	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 3-4	Infiltration		3.9				

Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S3.0	11	126.605	0.034	1.6	0.0183	0.0000	OK
15 minute summer	S3.1	11	126.521	0.043	2.4	0.0125	0.0000	OK
15 minute summer	S4.0	10	126.485	0.030	1.3	0.0134	0.0000	OK
15 minute summer	S4.1	10	126.402	0.039	2.1	0.0108	0.0000	OK
15 minute summer	SCP 3-4	10	125.841	0.076	6.1	0.0202	0.0000	OK
15 minute summer	OUTFALL 3-4	11	125.161	-0.589	6.0	0.1097	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S3.0	1.000	S3.1	1.6	0.462	0.111	0.0492	
15 minute summer	S3.1	1.001	SCP 3-4	2.4	0.598	0.166	0.0420	
15 minute summer	S4.0	2.000	S4.1	1.3	0.415	0.088	0.0426	
15 minute summer	S4.1	2.001	SCP 3-4	2.0	0.565	0.137	0.0270	
15 minute summer	SCP 3-4	1.002	OUTFALL 3-4	6.0	0.724	0.420	0.0190	
15 minute summer	OUTFALL 3-4	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 3-4	Infiltration		5.8				

Results for 10 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S3.0	10	126.619	0.048	3.3	0.0264	0.0000	OK
15 minute summer	S3.1	10	126.540	0.062	4.9	0.0183	0.0000	OK
15 minute summer	S4.0	10	126.498	0.043	2.6	0.0191	0.0000	OK
15 minute summer	S4.1	10	126.421	0.058	4.2	0.0159	0.0000	OK
15 minute summer	SCP 3-4	10	125.887	0.122	12.2	0.0324	0.0000	OK
15 minute summer	OUTFALL 3-4	12	125.603	-0.147	12.1	0.9052	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S3.0	1.000	S3.1	3.3	0.555	0.227	0.0826	
15 minute summer	S3.1	1.001	SCP 3-4	4.8	0.719	0.331	0.0699	
15 minute summer	S4.0	2.000	S4.1	2.6	0.498	0.179	0.0719	
15 minute summer	S4.1	2.001	SCP 3-4	4.1	0.685	0.284	0.0458	
15 minute summer	SCP 3-4	1.002	OUTFALL 3-4	12.1	0.862	0.847	0.0321	
15 minute summer	OUTFALL 3-4	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 3-4	Infiltration		9.7				

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S3.0	10	126.639	0.068	6.1	0.0372	0.0000	OK
15 minute summer	S3.1	10	126.569	0.091	9.1	0.0267	0.0000	OK
15 minute summer	S4.0	13	126.566	0.111	4.9	0.0495	0.0000	OK
15 minute summer	S4.1	13	126.564	0.201	7.7	0.0553	0.0000	SURCHARGED
15 minute summer	SCP 3-4	13	126.557	0.792	22.8	0.2107	0.0000	SURCHARGED
15 minute summer	OUTFALL 3-4	13	126.532	0.782	20.2	1.4409	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S3.0	1.000	S3.1	6.1	0.639	0.420	0.1326	
15 minute summer	S3.1	1.001	SCP 3-4	8.9	0.835	0.617	0.1429	
15 minute summer	S4.0	2.000	S4.1	4.8	0.586	0.336	0.2186	
15 minute summer	S4.1	2.001	SCP 3-4	7.6	0.798	0.527	0.1341	
15 minute summer	SCP 3-4	1.002	OUTFALL 3-4	20.2	1.150	1.406	0.0403	
15 minute summer	OUTFALL 3-4	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 3-4	Infiltration		12.4				

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S3.0	22	126.946	0.375	7.4	0.2042	0.0000	FLOOD RISK
30 minute summer	S3.1	22	126.941	0.463	11.0	0.1355	0.0000	FLOOD RISK
30 minute summer	S4.0	22	126.940	0.485	5.9	0.2163	0.0000	FLOOD RISK
30 minute summer	S4.1	22	126.937	0.574	9.3	0.1577	0.0000	FLOOD RISK
30 minute summer	SCP 3-4	22	126.931	1.166	27.1	0.3100	0.0000	SURCHARGED
30 minute summer	OUTFALL 3-4	22	126.907	1.157	20.9	1.4409	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S3.0	1.000	S3.1	7.4	0.662	0.511	0.2459	
30 minute summer	S3.1	1.001	SCP 3-4	10.6	0.860	0.731	0.1840	
30 minute summer	S4.0	2.000	S4.1	5.8	0.611	0.403	0.2437	
30 minute summer	S4.1	2.001	SCP 3-4	9.1	0.827	0.626	0.1341	
30 minute summer	SCP 3-4	1.002	OUTFALL 3-4	20.9	1.186	1.456	0.0403	
30 minute summer	OUTFALL 3-4	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 3-4	Infiltration		12.4				

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	The Old Engine House	Network:	26-0204 Land South Of
	Goblands Farm Business Park, H	Santiago Garnes	Hammerwood Road
	TN11 ODP	15/06/2026	Infiltration Trench Plots 5-6

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	1	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	1.000
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	200.0		

Links

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)
1.000	S5.0	S5.1	12.950	126.189	126.103	0.086	150.6
1.001	S5.1	SCP 6-7	9.853	126.103	126.037	0.066	149.3
2.000	S6.0	S6.1	13.618	126.153	126.062	0.091	149.6
2.001	S6.1	SCP 6-7	8.445	126.062	126.006	0.056	150.8
1.002	SCP 6-7	OUTFALL 5-6	2.559	125.767	125.750	0.017	150.5

Name	US Node	DS Node	US Depth (m)	DS Depth (m)	Σ Area (ha)
1.000	S5.0	S5.1	0.350	0.387	0.006
1.001	S5.1	SCP 6-7	0.387	1.232	0.010
2.000	S6.0	S6.1	0.350	0.428	0.006
2.001	S6.1	SCP 6-7	0.428	1.263	0.010
1.002	SCP 6-7	OUTFALL 5-6	1.502	1.612	0.028

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Starting Level (m)
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)
Summer CV	1.000	Drain Down Time (mins)	1440	Check Discharge Volume
Winter CV	1.000	Additional Storage (m³/ha)	20.0	x

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
2	0	0	0
10	0	0	0
30	40	0	0
100	45	0	0

Node OUTFALL 5-6 Online Head/Flow Control

Flap Valve	x	Replaces Downstream Link	x	Invert Level (m)	125.750
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Head (m)	Flow (l/s)
0.001	0.000

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Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
30 year +40% CC 480 minute summer	40.681	10.751	100 year +45% CC 120 minute winter	98.910	39.344
30 year +40% CC 480 minute winter	27.027	10.751	100 year +45% CC 180 minute summer	112.618	28.981
30 year +40% CC 600 minute summer	33.139	9.064	100 year +45% CC 180 minute winter	73.205	28.981
30 year +40% CC 600 minute winter	22.642	9.064	100 year +45% CC 240 minute summer	88.311	23.338
30 year +40% CC 720 minute summer	29.407	7.881	100 year +45% CC 240 minute winter	58.671	23.338
30 year +40% CC 720 minute winter	19.763	7.881	100 year +45% CC 360 minute summer	66.919	17.220
30 year +40% CC 960 minute summer	24.004	6.321	100 year +45% CC 360 minute winter	43.499	17.220
30 year +40% CC 960 minute winter	15.901	6.321	100 year +45% CC 480 minute summer	52.478	13.869
30 year +40% CC 1440 minute summer	17.254	4.624	100 year +45% CC 480 minute winter	34.865	13.869
30 year +40% CC 1440 minute winter	11.596	4.624	100 year +45% CC 600 minute summer	42.899	11.734
100 year +45% CC 15 minute summer	545.579	154.380	100 year +45% CC 600 minute winter	29.311	11.734
100 year +45% CC 15 minute winter	382.863	154.380	100 year +45% CC 720 minute summer	38.228	10.246
100 year +45% CC 30 minute summer	366.728	103.771	100 year +45% CC 720 minute winter	25.692	10.246
100 year +45% CC 30 minute winter	257.353	103.771	100 year +45% CC 960 minute summer	31.536	8.304
100 year +45% CC 60 minute summer	250.909	66.308	100 year +45% CC 960 minute winter	20.890	8.304
100 year +45% CC 60 minute winter	166.698	66.308	100 year +45% CC 1440 minute summer	23.040	6.175
100 year +45% CC 120 minute summer	148.877	39.344	100 year +45% CC 1440 minute winter	15.484	6.175

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S5.0	11	126.211	0.022	0.7	0.0088	0.0000	OK
15 minute summer	S5.1	10	126.132	0.029	1.2	0.0088	0.0000	OK
15 minute summer	S6.0	11	126.175	0.022	0.7	0.0092	0.0000	OK
15 minute summer	S6.1	11	126.091	0.029	1.1	0.0081	0.0000	OK
15 minute summer	SCP 6-7	11	125.820	0.053	3.2	0.0141	0.0000	OK
15 minute summer	OUTFALL 5-6	11	125.128	-0.622	3.2	0.0510	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S5.0	1.000	S5.1	0.7	0.354	0.049	0.0261	
15 minute summer	S5.1	1.001	SCP 6-7	1.1	0.485	0.079	0.0231	
15 minute summer	S6.0	2.000	S6.1	0.7	0.359	0.048	0.0272	
15 minute summer	S6.1	2.001	SCP 6-7	1.1	0.477	0.076	0.0195	
15 minute summer	SCP 6-7	1.002	OUTFALL 5-6	3.2	0.622	0.225	0.0134	
15 minute summer	OUTFALL 5-6	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 5-6	Infiltration		3.2				

Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S5.0	10	126.217	0.028	1.1	0.0108	0.0000	OK
15 minute summer	S5.1	11	126.139	0.036	1.8	0.0110	0.0000	OK
15 minute summer	S6.0	11	126.181	0.028	1.1	0.0115	0.0000	OK
15 minute summer	S6.1	10	126.099	0.036	1.8	0.0103	0.0000	OK
15 minute summer	SCP 6-7	10	125.835	0.068	5.1	0.0180	0.0000	OK
15 minute summer	OUTFALL 5-6	11	125.144	-0.606	5.0	0.0794	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S5.0	1.000	S5.1	1.1	0.395	0.074	0.0354	
15 minute summer	S5.1	1.001	SCP 6-7	1.8	0.548	0.121	0.0315	
15 minute summer	S6.0	2.000	S6.1	1.1	0.406	0.076	0.0379	
15 minute summer	S6.1	2.001	SCP 6-7	1.7	0.543	0.121	0.0272	
15 minute summer	SCP 6-7	1.002	OUTFALL 5-6	5.0	0.698	0.348	0.0184	
15 minute summer	OUTFALL 5-6	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 5-6	Infiltration		5.1				

Results for 10 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S5.0	10	126.227	0.038	2.1	0.0150	0.0000	OK
15 minute summer	S5.1	10	126.155	0.052	3.5	0.0157	0.0000	OK
15 minute summer	S6.0	10	126.193	0.040	2.3	0.0165	0.0000	OK
15 minute summer	S6.1	10	126.115	0.053	3.6	0.0150	0.0000	OK
15 minute summer	SCP 6-7	10	125.873	0.106	10.2	0.0282	0.0000	OK
15 minute summer	OUTFALL 5-6	12	125.449	-0.301	10.1	0.6288	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S5.0	1.000	S5.1	2.1	0.467	0.144	0.0579	
15 minute summer	S5.1	1.001	SCP 6-7	3.5	0.659	0.238	0.0516	
15 minute summer	S6.0	2.000	S6.1	2.3	0.489	0.157	0.0637	
15 minute summer	S6.1	2.001	SCP 6-7	3.6	0.659	0.246	0.0455	
15 minute summer	SCP 6-7	1.002	OUTFALL 5-6	10.1	0.820	0.702	0.0316	
15 minute summer	OUTFALL 5-6	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 5-6	Infiltration		8.4				

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S5.0	10	126.243	0.054	4.0	0.0210	0.0000	OK
15 minute summer	S5.1	10	126.177	0.074	6.6	0.0225	0.0000	OK
15 minute summer	S6.0	10	126.209	0.056	4.3	0.0228	0.0000	OK
15 minute summer	S6.1	13	126.164	0.102	6.7	0.0288	0.0000	OK
15 minute summer	SCP 6-7	13	126.159	0.392	18.9	0.1038	0.0000	SURCHARGED
15 minute summer	OUTFALL 5-6	13	126.134	0.384	18.8	1.4409	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S5.0	1.000	S5.1	4.0	0.554	0.275	0.0929	
15 minute summer	S5.1	1.001	SCP 6-7	6.5	0.773	0.446	0.1124	
15 minute summer	S6.0	2.000	S6.1	4.3	0.575	0.295	0.1138	
15 minute summer	S6.1	2.001	SCP 6-7	6.6	0.770	0.456	0.1281	
15 minute summer	SCP 6-7	1.002	OUTFALL 5-6	18.8	1.077	1.303	0.0451	
15 minute summer	OUTFALL 5-6	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 5-6	Infiltration		12.4				

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S5.0	13	126.440	0.251	5.2	0.0982	0.0000	FLOOD RISK
15 minute summer	S5.1	13	126.437	0.333	8.6	0.1010	0.0000	FLOOD RISK
15 minute summer	S6.0	13	126.439	0.286	5.6	0.1175	0.0000	FLOOD RISK
15 minute summer	S6.1	13	126.435	0.373	8.8	0.1057	0.0000	FLOOD RISK
15 minute summer	SCP 6-7	13	126.429	0.662	23.2	0.1753	0.0000	SURCHARGED
15 minute summer	OUTFALL 5-6	13	126.403	0.653	22.2	1.4409	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S5.0	1.000	S5.1	5.2	0.593	0.358	0.2280	
15 minute summer	S5.1	1.001	SCP 6-7	8.9	0.801	0.617	0.1735	
15 minute summer	S6.0	2.000	S6.1	5.6	0.608	0.385	0.2397	
15 minute summer	S6.1	2.001	SCP 6-7	7.8	0.797	0.540	0.1487	
15 minute summer	SCP 6-7	1.002	OUTFALL 5-6	22.2	1.263	1.539	0.0451	
15 minute summer	OUTFALL 5-6	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 5-6	Infiltration		12.4				



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26-0204 Land South Of

Hammerwood Road

Infiltration Trench Plots 7-8

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	1	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	1.000
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	200.0		

Links

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)
1.000	S7.0	S7.1	13.527	126.306	126.216	0.090	150.3
1.001	S7.1	SCP 7-8	8.317	126.216	126.161	0.055	151.2
2.000	S8.0	S8.1	13.416	126.312	126.223	0.089	150.7
2.001	S8.1	SCP 7-8	6.397	126.223	126.180	0.043	148.8
1.002	SCP 7-8	OUTFALL 7-8	3.115	125.771	125.750	0.021	148.3

Name	US Node	DS Node	US Depth (m)	DS Depth (m)	Σ Area (ha)
1.000	S7.0	S7.1	0.350	0.325	0.007
1.001	S7.1	SCP 7-8	0.325	0.714	0.011
2.000	S8.0	S8.1	0.350	0.532	0.005
2.001	S8.1	SCP 7-8	0.532	0.695	0.008
1.002	SCP 7-8	OUTFALL 7-8	1.104	1.164	0.024

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	1.000	Drain Down Time (mins)	1440	Check Discharge Volume	x
Winter CV	1.000	Additional Storage (m³/ha)	20.0		

Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
2	0	0	0
10	0	0	0
30	40	0	0
100	45	0	0

Node OUTFALL 7-8 Online Head/Flow Control

Flap Valve	x	Replaces Downstream Link	x	Invert Level (m)	125.750
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Head (m)	Flow (l/s)
0.001	0.000

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Node OUTFALL 7-8 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	6.87600	Safety Factor	2.0	Invert Level (m)	125.100
Side Inf Coefficient (m/hr)	0.68760	Porosity	0.30	Time to half empty (mins)	3

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	6.0	6.0	0.800	6.0	12.9	0.801	0.0	12.9

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	11	126.330	0.024	0.8	0.0102	0.0000	OK
15 minute summer	S7.1	10	126.247	0.031	1.3	0.0100	0.0000	OK
15 minute summer	S8.0	11	126.333	0.021	0.6	0.0077	0.0000	OK
15 minute summer	S8.1	11	126.251	0.027	1.0	0.0069	0.0000	OK
15 minute summer	SCP 7-8	11	125.820	0.049	2.8	0.0116	0.0000	OK
15 minute summer	OUTFALL 7-8	11	125.125	-0.625	2.8	0.0448	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	0.8	0.372	0.055	0.0296	
15 minute summer	S7.1	1.001	SCP 7-8	1.2	0.494	0.086	0.0209	
15 minute summer	S8.0	2.000	S8.1	0.6	0.332	0.042	0.0247	
15 minute summer	S8.1	2.001	SCP 7-8	1.0	0.464	0.069	0.0138	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.8	0.608	0.196	0.0146	
15 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 7-8	Infiltration		2.9				

Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	11	126.335	0.029	1.2	0.0125	0.0000	OK
15 minute summer	S7.1	11	126.254	0.038	1.9	0.0125	0.0000	OK
15 minute summer	S8.0	10	126.338	0.026	1.0	0.0097	0.0000	OK
15 minute summer	S8.1	10	126.257	0.034	1.6	0.0085	0.0000	OK
15 minute summer	SCP 7-8	11	125.832	0.061	4.3	0.0145	0.0000	OK
15 minute summer	OUTFALL 7-8	11	125.138	-0.612	4.3	0.0678	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	1.2	0.411	0.083	0.0400	
15 minute summer	S7.1	1.001	SCP 7-8	1.9	0.555	0.132	0.0285	
15 minute summer	S8.0	2.000	S8.1	1.0	0.387	0.067	0.0339	
15 minute summer	S8.1	2.001	SCP 7-8	1.5	0.521	0.103	0.0184	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	4.3	0.677	0.296	0.0198	
15 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 7-8	Infiltration		4.3				

Results for 10 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	10	126.348	0.042	2.5	0.0179	0.0000	OK
15 minute summer	S7.1	10	126.272	0.056	4.0	0.0184	0.0000	OK
15 minute summer	S8.0	10	126.349	0.036	1.9	0.0135	0.0000	OK
15 minute summer	S8.1	10	126.272	0.049	3.1	0.0123	0.0000	OK
15 minute summer	SCP 7-8	10	125.865	0.094	8.7	0.0223	0.0000	OK
15 minute summer	OUTFALL 7-8	13	125.453	-0.297	8.6	0.6360	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	2.5	0.496	0.172	0.0679	
15 minute summer	S7.1	1.001	SCP 7-8	3.9	0.674	0.271	0.0482	
15 minute summer	S8.0	2.000	S8.1	1.9	0.455	0.130	0.0557	
15 minute summer	S8.1	2.001	SCP 7-8	3.0	0.628	0.207	0.0307	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	8.6	0.802	0.594	0.0336	
15 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 7-8	Infiltration		6.0				

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	10	126.364	0.058	4.6	0.0247	0.0000	OK
15 minute summer	S7.1	13	126.351	0.135	7.3	0.0440	0.0000	OK
15 minute summer	S8.0	10	126.363	0.051	3.6	0.0187	0.0000	OK
15 minute summer	S8.1	13	126.353	0.130	5.7	0.0326	0.0000	OK
15 minute summer	SCP 7-8	13	126.347	0.576	16.0	0.1365	0.0000	SURCHARGED
30 minute summer	OUTFALL 7-8	22	126.339	0.589	14.2	1.4409	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	4.6	0.579	0.316	0.1438	
15 minute summer	S7.1	1.001	SCP 7-8	7.2	0.785	0.498	0.1425	
15 minute summer	S8.0	2.000	S8.1	3.6	0.542	0.247	0.1313	
15 minute summer	S8.1	2.001	SCP 7-8	5.6	0.737	0.384	0.1081	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	15.9	0.955	1.093	0.0548	
30 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S7.0	23	126.676	0.370	5.5	0.1584	0.0000	FLOOD RISK
30 minute summer	S7.1	23	126.675	0.459	8.8	0.1500	0.0000	FLOOD RISK
30 minute summer	S8.0	23	126.675	0.363	4.3	0.1338	0.0000	FLOOD RISK
30 minute summer	S8.1	23	126.674	0.451	6.9	0.1131	0.0000	FLOOD RISK
30 minute summer	SCP 7-8	23	126.672	0.901	19.1	0.2136	0.0000	SURCHARGED
30 minute summer	OUTFALL 7-8	23	126.665	0.915	16.1	1.4409	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S7.0	1.000	S7.1	5.5	0.601	0.379	0.2381	
30 minute summer	S7.1	1.001	SCP 7-8	8.5	0.813	0.588	0.1464	
30 minute summer	S8.0	2.000	S8.1	4.3	0.564	0.295	0.2362	
30 minute summer	S8.1	2.001	SCP 7-8	6.6	0.768	0.458	0.1126	
30 minute summer	SCP 7-8	1.002	OUTFALL 7-8	16.1	0.961	1.111	0.0548	
30 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 1 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	11	126.330	0.024	0.8	0.0102	0.0000	OK
15 minute summer	S7.1	10	126.247	0.031	1.3	0.0100	0.0000	OK
15 minute summer	S8.0	11	126.333	0.021	0.6	0.0077	0.0000	OK
15 minute summer	S8.1	11	126.251	0.027	1.0	0.0069	0.0000	OK
15 minute summer	SCP 7-8	11	125.820	0.049	2.8	0.0116	0.0000	OK
15 minute summer	OUTFALL 7-8	11	125.125	-0.625	2.8	0.0448	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	0.8	0.372	0.055	0.0296	
15 minute summer	S7.1	1.001	SCP 7-8	1.2	0.494	0.086	0.0209	
15 minute summer	S8.0	2.000	S8.1	0.6	0.332	0.042	0.0247	
15 minute summer	S8.1	2.001	SCP 7-8	1.0	0.464	0.069	0.0138	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.8	0.608	0.196	0.0146	
15 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 7-8	Infiltration		2.9				

Results for 1 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S7.0	11	126.328	0.022	0.7	0.0096	0.0000	OK
15 minute winter	S7.1	11	126.245	0.029	1.1	0.0094	0.0000	OK
15 minute winter	S8.0	10	126.332	0.020	0.6	0.0075	0.0000	OK
15 minute winter	S8.1	11	126.248	0.025	0.9	0.0064	0.0000	OK
15 minute winter	SCP 7-8	11	125.816	0.045	2.5	0.0107	0.0000	OK
15 minute winter	OUTFALL 7-8	11	125.121	-0.629	2.5	0.0386	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S7.0	1.000	S7.1	0.7	0.357	0.048	0.0270	
15 minute winter	S7.1	1.001	SCP 7-8	1.1	0.476	0.076	0.0192	
15 minute winter	S8.0	2.000	S8.1	0.6	0.340	0.039	0.0226	
15 minute winter	S8.1	2.001	SCP 7-8	0.9	0.444	0.059	0.0123	
15 minute winter	SCP 7-8	1.002	OUTFALL 7-8	2.5	0.584	0.169	0.0131	
15 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute winter	OUTFALL 7-8	Infiltration		2.5				

Results for 1 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S7.0	18	126.328	0.022	0.7	0.0096	0.0000	OK
30 minute summer	S7.1	18	126.245	0.029	1.1	0.0094	0.0000	OK
30 minute summer	S8.0	18	126.333	0.021	0.6	0.0077	0.0000	OK
30 minute summer	S8.1	18	126.249	0.026	0.9	0.0065	0.0000	OK
30 minute summer	SCP 7-8	18	125.816	0.045	2.5	0.0107	0.0000	OK
30 minute summer	OUTFALL 7-8	19	125.122	-0.628	2.5	0.0388	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S7.0	1.000	S7.1	0.7	0.353	0.048	0.0269	
30 minute summer	S7.1	1.001	SCP 7-8	1.1	0.474	0.076	0.0191	
30 minute summer	S8.0	2.000	S8.1	0.6	0.343	0.042	0.0235	
30 minute summer	S8.1	2.001	SCP 7-8	0.9	0.448	0.061	0.0127	
30 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.5	0.584	0.170	0.0132	
30 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 7-8	Infiltration		2.5				

Results for 1 year 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S7.0	18	126.327	0.021	0.6	0.0089	0.0000	OK
30 minute winter	S7.1	18	126.242	0.026	0.9	0.0085	0.0000	OK
30 minute winter	S8.0	20	126.329	0.017	0.4	0.0063	0.0000	OK
30 minute winter	S8.1	19	126.246	0.023	0.7	0.0058	0.0000	OK
30 minute winter	SCP 7-8	18	125.811	0.040	2.0	0.0095	0.0000	OK
30 minute winter	OUTFALL 7-8	19	125.117	-0.633	2.0	0.0312	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S7.0	1.000	S7.1	0.6	0.344	0.041	0.0236	
30 minute winter	S7.1	1.001	SCP 7-8	0.9	0.447	0.062	0.0165	
30 minute winter	S8.0	2.000	S8.1	0.4	0.313	0.028	0.0189	
30 minute winter	S8.1	2.001	SCP 7-8	0.7	0.419	0.048	0.0107	
30 minute winter	SCP 7-8	1.002	OUTFALL 7-8	2.0	0.551	0.136	0.0112	
30 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute winter	OUTFALL 7-8	Infiltration		2.0				

Results for 1 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S7.0	35	126.325	0.019	0.5	0.0082	0.0000	OK
60 minute summer	S7.1	35	126.241	0.025	0.8	0.0080	0.0000	OK
60 minute summer	S8.0	35	126.329	0.017	0.4	0.0063	0.0000	OK
60 minute summer	S8.1	33	126.246	0.023	0.7	0.0058	0.0000	OK
60 minute summer	SCP 7-8	33	125.810	0.039	1.9	0.0093	0.0000	OK
60 minute summer	OUTFALL 7-8	33	125.116	-0.634	1.9	0.0296	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S7.0	1.000	S7.1	0.5	0.322	0.035	0.0214	
60 minute summer	S7.1	1.001	SCP 7-8	0.8	0.435	0.056	0.0153	
60 minute summer	S8.0	2.000	S8.1	0.4	0.313	0.028	0.0188	
60 minute summer	S8.1	2.001	SCP 7-8	0.7	0.419	0.048	0.0106	
60 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.9	0.544	0.130	0.0108	
60 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute summer	OUTFALL 7-8	Infiltration		1.9				

Results for 1 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S7.0	35	126.323	0.017	0.4	0.0074	0.0000	OK
60 minute winter	S7.1	35	126.237	0.021	0.6	0.0070	0.0000	OK
60 minute winter	S8.0	34	126.327	0.015	0.3	0.0055	0.0000	OK
60 minute winter	S8.1	35	126.243	0.019	0.5	0.0049	0.0000	OK
60 minute winter	SCP 7-8	35	125.804	0.033	1.4	0.0079	0.0000	OK
60 minute winter	OUTFALL 7-8	35	125.112	-0.638	1.4	0.0220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S7.0	1.000	S7.1	0.4	0.314	0.028	0.0178	
60 minute winter	S7.1	1.001	SCP 7-8	0.6	0.400	0.042	0.0125	
60 minute winter	S8.0	2.000	S8.1	0.3	0.313	0.021	0.0151	
60 minute winter	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
60 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.4	0.502	0.096	0.0087	
60 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute winter	OUTFALL 7-8	Infiltration		1.4				

Results for 1 year 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S7.0	66	126.323	0.017	0.4	0.0074	0.0000	OK
120 minute summer	S7.1	64	126.239	0.023	0.7	0.0075	0.0000	OK
120 minute summer	S8.0	64	126.327	0.015	0.3	0.0055	0.0000	OK
120 minute summer	S8.1	66	126.243	0.019	0.5	0.0049	0.0000	OK
120 minute summer	SCP 7-8	64	125.806	0.035	1.5	0.0082	0.0000	OK
120 minute summer	OUTFALL 7-8	64	125.113	-0.637	1.5	0.0235	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S7.0	1.000	S7.1	0.4	0.303	0.028	0.0190	
120 minute summer	S7.1	1.001	SCP 7-8	0.7	0.419	0.049	0.0139	
120 minute summer	S8.0	2.000	S8.1	0.3	0.272	0.021	0.0151	
120 minute summer	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
120 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.5	0.511	0.103	0.0091	
120 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute summer	OUTFALL 7-8	Infiltration		1.5				

Results for 1 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S7.0	62	126.321	0.015	0.3	0.0064	0.0000	OK
120 minute winter	S7.1	64	126.236	0.019	0.5	0.0064	0.0000	OK
120 minute winter	S8.0	56	126.324	0.012	0.2	0.0046	0.0000	OK
120 minute winter	S8.1	58	126.238	0.015	0.3	0.0038	0.0000	OK
120 minute winter	SCP 7-8	66	125.799	0.028	1.0	0.0067	0.0000	OK
120 minute winter	OUTFALL 7-8	62	125.109	-0.641	1.0	0.0157	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S7.0	1.000	S7.1	0.3	0.293	0.021	0.0152	
120 minute winter	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
120 minute winter	S8.0	2.000	S8.1	0.2	0.272	0.014	0.0108	
120 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
120 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.456	0.069	0.0068	
120 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute winter	OUTFALL 7-8	Infiltration		1.0				

Results for 1 year 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S7.0	96	126.323	0.017	0.4	0.0074	0.0000	OK
180 minute summer	S7.1	96	126.237	0.021	0.6	0.0070	0.0000	OK
180 minute summer	S8.0	96	126.327	0.015	0.3	0.0055	0.0000	OK
180 minute summer	S8.1	96	126.243	0.019	0.5	0.0049	0.0000	OK
180 minute summer	SCP 7-8	96	125.804	0.033	1.4	0.0079	0.0000	OK
180 minute summer	OUTFALL 7-8	96	125.112	-0.638	1.4	0.0220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0178	
180 minute summer	S7.1	1.001	SCP 7-8	0.6	0.400	0.042	0.0125	
180 minute summer	S8.0	2.000	S8.1	0.3	0.297	0.021	0.0151	
180 minute summer	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
180 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.4	0.502	0.096	0.0087	
180 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute summer	OUTFALL 7-8	Infiltration		1.4				

Results for 1 year 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S7.0	80	126.318	0.012	0.2	0.0053	0.0000	OK
180 minute winter	S7.1	84	126.231	0.015	0.3	0.0050	0.0000	OK
180 minute winter	S8.0	88	126.324	0.012	0.2	0.0046	0.0000	OK
180 minute winter	S8.1	92	126.238	0.015	0.3	0.0038	0.0000	OK
180 minute winter	SCP 7-8	88	125.796	0.025	0.8	0.0059	0.0000	OK
180 minute winter	OUTFALL 7-8	88	125.107	-0.643	0.8	0.0126	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S7.0	1.000	S7.1	0.2	0.297	0.014	0.0109	
180 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
180 minute winter	S8.0	2.000	S8.1	0.2	0.297	0.014	0.0108	
180 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
180 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.8	0.429	0.055	0.0058	
180 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute winter	OUTFALL 7-8	Infiltration		0.8				

Results for 1 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	S7.0	124	126.321	0.015	0.3	0.0064	0.0000	OK
240 minute summer	S7.1	124	126.236	0.019	0.5	0.0064	0.0000	OK
240 minute summer	S8.0	124	126.327	0.015	0.3	0.0054	0.0000	OK
240 minute summer	S8.1	124	126.242	0.019	0.5	0.0047	0.0000	OK
240 minute summer	SCP 7-8	124	125.801	0.030	1.2	0.0072	0.0000	OK
240 minute summer	OUTFALL 7-8	124	125.110	-0.640	1.2	0.0179	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	S7.0	1.000	S7.1	0.3	0.297	0.021	0.0152	
240 minute summer	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
240 minute summer	S8.0	2.000	S8.1	0.3	0.297	0.020	0.0145	
240 minute summer	S8.1	2.001	SCP 7-8	0.5	0.371	0.032	0.0080	
240 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.2	0.475	0.079	0.0076	
240 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute summer	OUTFALL 7-8	Infiltration		1.1				

Results for 1 year 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute winter	S7.0	108	126.318	0.012	0.2	0.0053	0.0000	OK
240 minute winter	S7.1	112	126.231	0.015	0.3	0.0050	0.0000	OK
240 minute winter	S8.0	120	126.324	0.012	0.2	0.0046	0.0000	OK
240 minute winter	S8.1	124	126.238	0.015	0.3	0.0038	0.0000	OK
240 minute winter	SCP 7-8	124	125.796	0.025	0.8	0.0059	0.0000	OK
240 minute winter	OUTFALL 7-8	124	125.107	-0.643	0.8	0.0126	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute winter	S7.0	1.000	S7.1	0.2	0.297	0.014	0.0109	
240 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
240 minute winter	S8.0	2.000	S8.1	0.2	0.297	0.014	0.0108	
240 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
240 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.8	0.429	0.055	0.0058	
240 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute winter	OUTFALL 7-8	Infiltration		0.8				

Results for 1 year 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S7.0	184	126.321	0.015	0.3	0.0064	0.0000	OK
360 minute summer	S7.1	184	126.235	0.019	0.5	0.0062	0.0000	OK
360 minute summer	S8.0	184	126.324	0.012	0.2	0.0046	0.0000	OK
360 minute summer	S8.1	192	126.238	0.015	0.3	0.0038	0.0000	OK
360 minute summer	SCP 7-8	184	125.799	0.028	1.0	0.0066	0.0000	OK
360 minute summer	OUTFALL 7-8	184	125.108	-0.642	1.0	0.0152	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S7.0	1.000	S7.1	0.3	0.270	0.020	0.0149	
360 minute summer	S7.1	1.001	SCP 7-8	0.5	0.374	0.033	0.0107	
360 minute summer	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
360 minute summer	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
360 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.453	0.067	0.0067	
360 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute summer	OUTFALL 7-8	Infiltration		1.0				

Results for 1 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute winter	S7.0	176	126.318	0.012	0.2	0.0053	0.0000	OK
360 minute winter	S7.1	184	126.231	0.015	0.3	0.0050	0.0000	OK
360 minute winter	S8.0	240	126.321	0.009	0.1	0.0033	0.0000	OK
360 minute winter	S8.1	152	126.236	0.013	0.2	0.0031	0.0000	OK
360 minute winter	SCP 7-8	184	125.793	0.022	0.6	0.0051	0.0000	OK
360 minute winter	OUTFALL 7-8	176	125.105	-0.645	0.6	0.0094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
360 minute winter	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
360 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
360 minute winter	S8.0	2.000	S8.1	0.1	0.238	0.007	0.0075	
360 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
360 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.6	0.396	0.041	0.0047	
360 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute winter	OUTFALL 7-8	Infiltration		0.6				

Results for 1 year 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S7.0	232	126.318	0.012	0.2	0.0053	0.0000	OK
480 minute summer	S7.1	240	126.231	0.015	0.3	0.0050	0.0000	OK
480 minute summer	S8.0	248	126.324	0.012	0.2	0.0046	0.0000	OK
480 minute summer	S8.1	248	126.238	0.015	0.3	0.0038	0.0000	OK
480 minute summer	SCP 7-8	248	125.796	0.025	0.8	0.0059	0.0000	OK
480 minute summer	OUTFALL 7-8	248	125.107	-0.643	0.8	0.0126	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
480 minute summer	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
480 minute summer	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
480 minute summer	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
480 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.8	0.429	0.055	0.0058	
480 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute summer	OUTFALL 7-8	Infiltration		0.8				

Results for 1 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S7.0	168	126.315	0.009	0.1	0.0039	0.0000	OK
480 minute winter	S7.1	200	126.229	0.013	0.2	0.0041	0.0000	OK
480 minute winter	S8.0	296	126.321	0.009	0.1	0.0033	0.0000	OK
480 minute winter	S8.1	216	126.236	0.013	0.2	0.0031	0.0000	OK
480 minute winter	SCP 7-8	216	125.791	0.020	0.5	0.0047	0.0000	OK
480 minute winter	OUTFALL 7-8	216	125.104	-0.646	0.5	0.0079	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S7.0	1.000	S7.1	0.1	0.241	0.007	0.0076	
480 minute winter	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
480 minute winter	S8.0	2.000	S8.1	0.1	0.238	0.007	0.0075	
480 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
480 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.5	0.376	0.034	0.0041	
480 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute winter	OUTFALL 7-8	Infiltration		0.5				

Results for 1 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S7.0	315	126.318	0.012	0.2	0.0053	0.0000	OK
600 minute summer	S7.1	315	126.231	0.015	0.3	0.0050	0.0000	OK
600 minute summer	S8.0	255	126.321	0.009	0.1	0.0033	0.0000	OK
600 minute summer	S8.1	285	126.236	0.013	0.2	0.0031	0.0000	OK
600 minute summer	SCP 7-8	315	125.793	0.022	0.6	0.0051	0.0000	OK
600 minute summer	OUTFALL 7-8	315	125.105	-0.645	0.6	0.0094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
600 minute summer	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
600 minute summer	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
600 minute summer	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
600 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.6	0.396	0.041	0.0047	
600 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute summer	OUTFALL 7-8	Infiltration		0.6				

Results for 1 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S7.0	225	126.315	0.009	0.1	0.0039	0.0000	OK
600 minute winter	S7.1	270	126.229	0.013	0.2	0.0041	0.0000	OK
600 minute winter	S8.0	240	126.321	0.009	0.1	0.0033	0.0000	OK
600 minute winter	S8.1	300	126.236	0.013	0.2	0.0031	0.0000	OK
600 minute winter	SCP 7-8	300	125.791	0.020	0.5	0.0047	0.0000	OK
600 minute winter	OUTFALL 7-8	300	125.104	-0.646	0.5	0.0079	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S7.0	1.000	S7.1	0.1	0.233	0.007	0.0076	
600 minute winter	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
600 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
600 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
600 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.5	0.376	0.034	0.0041	
600 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute winter	OUTFALL 7-8	Infiltration		0.5				

Results for 1 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S7.0	375	126.318	0.012	0.2	0.0053	0.0000	OK
720 minute summer	S7.1	375	126.231	0.015	0.3	0.0050	0.0000	OK
720 minute summer	S8.0	315	126.321	0.009	0.1	0.0033	0.0000	OK
720 minute summer	S8.1	345	126.236	0.013	0.2	0.0031	0.0000	OK
720 minute summer	SCP 7-8	375	125.793	0.022	0.6	0.0051	0.0000	OK
720 minute summer	OUTFALL 7-8	375	125.105	-0.645	0.6	0.0094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
720 minute summer	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
720 minute summer	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
720 minute summer	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
720 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.6	0.396	0.041	0.0047	
720 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute summer	OUTFALL 7-8	Infiltration		0.6				

Results for 1 year 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S7.0	270	126.315	0.009	0.1	0.0039	0.0000	OK
720 minute winter	S7.1	330	126.229	0.013	0.2	0.0041	0.0000	OK
720 minute winter	S8.0	300	126.321	0.009	0.1	0.0033	0.0000	OK
720 minute winter	S8.1	300	126.232	0.009	0.1	0.0023	0.0000	OK
720 minute winter	SCP 7-8	330	125.789	0.018	0.4	0.0042	0.0000	OK
720 minute winter	OUTFALL 7-8	330	125.104	-0.647	0.4	0.0063	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S7.0	1.000	S7.1	0.1	0.233	0.007	0.0076	
720 minute winter	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
720 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0058	
720 minute winter	S8.1	2.001	SCP 7-8	0.1	0.244	0.007	0.0026	
720 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.4	0.352	0.028	0.0035	
720 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute winter	OUTFALL 7-8	Infiltration		0.4				

Results for 1 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	S7.0	405	126.315	0.009	0.1	0.0039	0.0000	OK
960 minute summer	S7.1	450	126.229	0.013	0.2	0.0041	0.0000	OK
960 minute summer	S8.0	420	126.321	0.009	0.1	0.0033	0.0000	OK
960 minute summer	S8.1	480	126.236	0.013	0.2	0.0031	0.0000	OK
960 minute summer	SCP 7-8	480	125.791	0.020	0.5	0.0047	0.0000	OK
960 minute summer	OUTFALL 7-8	480	125.104	-0.646	0.5	0.0079	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	S7.0	1.000	S7.1	0.1	0.233	0.007	0.0076	
960 minute summer	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
960 minute summer	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
960 minute summer	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
960 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.5	0.376	0.034	0.0041	
960 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute summer	OUTFALL 7-8	Infiltration		0.5				

Results for 1 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute winter	S7.0	375	126.315	0.009	0.1	0.0039	0.0000	OK
960 minute winter	S7.1	480	126.229	0.013	0.2	0.0041	0.0000	OK
960 minute winter	S8.0	420	126.321	0.009	0.1	0.0033	0.0000	OK
960 minute winter	S8.1	420	126.232	0.009	0.1	0.0023	0.0000	OK
960 minute winter	SCP 7-8	480	125.789	0.018	0.4	0.0042	0.0000	OK
960 minute winter	OUTFALL 7-8	480	125.104	-0.647	0.4	0.0063	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute winter	S7.0	1.000	S7.1	0.1	0.233	0.007	0.0076	
960 minute winter	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
960 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0058	
960 minute winter	S8.1	2.001	SCP 7-8	0.1	0.244	0.007	0.0026	
960 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.4	0.352	0.028	0.0035	
960 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute winter	OUTFALL 7-8	Infiltration		0.4				

Results for 1 year 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S7.0	660	126.315	0.009	0.1	0.0039	0.0000	OK
1440 minute summer	S7.1	750	126.229	0.013	0.2	0.0041	0.0000	OK
1440 minute summer	S8.0	690	126.321	0.009	0.1	0.0033	0.0000	OK
1440 minute summer	S8.1	690	126.232	0.009	0.1	0.0023	0.0000	OK
1440 minute summer	SCP 7-8	750	125.789	0.018	0.4	0.0042	0.0000	OK
1440 minute summer	OUTFALL 7-8	750	125.104	-0.647	0.4	0.0063	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S7.0	1.000	S7.1	0.1	0.232	0.007	0.0076	
1440 minute summer	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
1440 minute summer	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0058	
1440 minute summer	S8.1	2.001	SCP 7-8	0.1	0.244	0.007	0.0026	
1440 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.4	0.352	0.028	0.0035	
1440 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute summer	OUTFALL 7-8	Infiltration		0.4				

Results for 1 year 1440 minute winter. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S7.0	660	126.315	0.009	0.1	0.0039	0.0000	OK
1440 minute winter	S7.1	660	126.225	0.009	0.1	0.0030	0.0000	OK
1440 minute winter	S8.0	750	126.321	0.009	0.1	0.0033	0.0000	OK
1440 minute winter	S8.1	750	126.232	0.009	0.1	0.0023	0.0000	OK
1440 minute winter	SCP 7-8	750	125.784	0.013	0.2	0.0030	0.0000	OK
1440 minute winter	OUTFALL 7-8	750	125.102	-0.648	0.2	0.0031	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S7.0	1.000	S7.1	0.1	0.232	0.007	0.0058	
1440 minute winter	S7.1	1.001	SCP 7-8	0.1	0.243	0.007	0.0034	
1440 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0058	
1440 minute winter	S8.1	2.001	SCP 7-8	0.1	0.244	0.007	0.0026	
1440 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.2	0.288	0.014	0.0022	
1440 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute winter	OUTFALL 7-8	Infiltration		0.2				

Results for 2 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	11	126.335	0.029	1.2	0.0125	0.0000	OK
15 minute summer	S7.1	11	126.254	0.038	1.9	0.0125	0.0000	OK
15 minute summer	S8.0	10	126.338	0.026	1.0	0.0097	0.0000	OK
15 minute summer	S8.1	10	126.257	0.034	1.6	0.0085	0.0000	OK
15 minute summer	SCP 7-8	11	125.832	0.061	4.3	0.0145	0.0000	OK
15 minute summer	OUTFALL 7-8	11	125.138	-0.612	4.3	0.0678	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	1.2	0.411	0.083	0.0400	
15 minute summer	S7.1	1.001	SCP 7-8	1.9	0.555	0.132	0.0285	
15 minute summer	S8.0	2.000	S8.1	1.0	0.387	0.067	0.0339	
15 minute summer	S8.1	2.001	SCP 7-8	1.5	0.521	0.103	0.0184	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	4.3	0.677	0.296	0.0198	
15 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 7-8	Infiltration		4.3				

Results for 2 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S7.0	11	126.334	0.028	1.1	0.0120	0.0000	OK
15 minute winter	S7.1	10	126.253	0.037	1.8	0.0119	0.0000	OK
15 minute winter	S8.0	10	126.337	0.025	0.9	0.0092	0.0000	OK
15 minute winter	S8.1	11	126.255	0.032	1.4	0.0080	0.0000	OK
15 minute winter	SCP 7-8	11	125.829	0.058	3.9	0.0138	0.0000	OK
15 minute winter	OUTFALL 7-8	11	125.134	-0.616	3.9	0.0616	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S7.0	1.000	S7.1	1.1	0.405	0.076	0.0377	
15 minute winter	S7.1	1.001	SCP 7-8	1.7	0.542	0.121	0.0268	
15 minute winter	S8.0	2.000	S8.1	0.9	0.376	0.060	0.0312	
15 minute winter	S8.1	2.001	SCP 7-8	1.4	0.506	0.093	0.0171	
15 minute winter	SCP 7-8	1.002	OUTFALL 7-8	3.9	0.661	0.269	0.0184	
15 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute winter	OUTFALL 7-8	Infiltration		3.9				

Results for 2 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S7.0	18	126.334	0.028	1.1	0.0120	0.0000	OK
30 minute summer	S7.1	18	126.253	0.037	1.8	0.0121	0.0000	OK
30 minute summer	S8.0	18	126.337	0.025	0.9	0.0094	0.0000	OK
30 minute summer	S8.1	18	126.256	0.033	1.4	0.0082	0.0000	OK
30 minute summer	SCP 7-8	18	125.830	0.059	4.0	0.0139	0.0000	OK
30 minute summer	OUTFALL 7-8	18	125.134	-0.616	4.0	0.0619	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S7.0	1.000	S7.1	1.1	0.395	0.076	0.0380	
30 minute summer	S7.1	1.001	SCP 7-8	1.8	0.546	0.124	0.0273	
30 minute summer	S8.0	2.000	S8.1	0.9	0.378	0.062	0.0320	
30 minute summer	S8.1	2.001	SCP 7-8	1.4	0.510	0.096	0.0175	
30 minute summer	SCP 7-8	1.002	OUTFALL 7-8	4.0	0.663	0.274	0.0187	
30 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 7-8	Infiltration		3.9				

Results for 2 year 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S7.0	18	126.331	0.025	0.9	0.0108	0.0000	OK
30 minute winter	S7.1	18	126.248	0.032	1.4	0.0106	0.0000	OK
30 minute winter	S8.0	19	126.334	0.022	0.7	0.0083	0.0000	OK
30 minute winter	S8.1	19	126.252	0.029	1.1	0.0072	0.0000	OK
30 minute winter	SCP 7-8	18	125.822	0.051	3.1	0.0121	0.0000	OK
30 minute winter	OUTFALL 7-8	19	125.127	-0.623	3.1	0.0484	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S7.0	1.000	S7.1	0.9	0.380	0.062	0.0322	
30 minute winter	S7.1	1.001	SCP 7-8	1.4	0.509	0.097	0.0227	
30 minute winter	S8.0	2.000	S8.1	0.7	0.351	0.049	0.0269	
30 minute winter	S8.1	2.001	SCP 7-8	1.1	0.477	0.076	0.0148	
30 minute winter	SCP 7-8	1.002	OUTFALL 7-8	3.1	0.620	0.212	0.0155	
30 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute winter	OUTFALL 7-8	Infiltration		3.1				

Results for 2 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S7.0	34	126.330	0.024	0.8	0.0102	0.0000	OK
60 minute summer	S7.1	34	126.247	0.031	1.3	0.0102	0.0000	OK
60 minute summer	S8.0	34	126.333	0.021	0.6	0.0077	0.0000	OK
60 minute summer	S8.1	34	126.251	0.027	1.0	0.0069	0.0000	OK
60 minute summer	SCP 7-8	34	125.820	0.049	2.9	0.0117	0.0000	OK
60 minute summer	OUTFALL 7-8	34	125.125	-0.625	2.9	0.0455	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S7.0	1.000	S7.1	0.8	0.363	0.055	0.0302	
60 minute summer	S7.1	1.001	SCP 7-8	1.3	0.500	0.090	0.0216	
60 minute summer	S8.0	2.000	S8.1	0.6	0.329	0.042	0.0247	
60 minute summer	S8.1	2.001	SCP 7-8	1.0	0.464	0.069	0.0138	
60 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.9	0.610	0.199	0.0148	
60 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute summer	OUTFALL 7-8	Infiltration		2.9				

Results for 2 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S7.0	34	126.327	0.021	0.6	0.0089	0.0000	OK
60 minute winter	S7.1	33	126.243	0.027	1.0	0.0090	0.0000	OK
60 minute winter	S8.0	34	126.331	0.019	0.5	0.0071	0.0000	OK
60 minute winter	S8.1	34	126.248	0.025	0.8	0.0062	0.0000	OK
60 minute winter	SCP 7-8	33	125.813	0.042	2.2	0.0100	0.0000	OK
60 minute winter	OUTFALL 7-8	33	125.119	-0.631	2.2	0.0343	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S7.0	1.000	S7.1	0.6	0.344	0.042	0.0248	
60 minute winter	S7.1	1.001	SCP 7-8	1.0	0.463	0.069	0.0179	
60 minute winter	S8.0	2.000	S8.1	0.5	0.317	0.035	0.0213	
60 minute winter	S8.1	2.001	SCP 7-8	0.8	0.435	0.055	0.0118	
60 minute winter	SCP 7-8	1.002	OUTFALL 7-8	2.2	0.566	0.151	0.0121	
60 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute winter	OUTFALL 7-8	Infiltration		2.2				

Results for 2 year 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S7.0	64	126.327	0.021	0.6	0.0089	0.0000	OK
120 minute summer	S7.1	64	126.243	0.027	1.0	0.0090	0.0000	OK
120 minute summer	S8.0	64	126.331	0.019	0.5	0.0071	0.0000	OK
120 minute summer	S8.1	64	126.248	0.025	0.8	0.0062	0.0000	OK
120 minute summer	SCP 7-8	64	125.815	0.043	2.3	0.0103	0.0000	OK
120 minute summer	OUTFALL 7-8	64	125.120	-0.630	2.3	0.0361	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S7.0	1.000	S7.1	0.6	0.343	0.042	0.0249	
120 minute summer	S7.1	1.001	SCP 7-8	1.0	0.463	0.069	0.0180	
120 minute summer	S8.0	2.000	S8.1	0.5	0.316	0.035	0.0213	
120 minute summer	S8.1	2.001	SCP 7-8	0.8	0.435	0.055	0.0117	
120 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.3	0.574	0.158	0.0125	
120 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute summer	OUTFALL 7-8	Infiltration		2.3				

Results for 2 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute winter	S7.0	60	126.323	0.017	0.4	0.0074	0.0000	OK
120 minute winter	S7.1	64	126.239	0.023	0.7	0.0075	0.0000	OK
120 minute winter	S8.0	58	126.327	0.015	0.3	0.0055	0.0000	OK
120 minute winter	S8.1	60	126.243	0.019	0.5	0.0049	0.0000	OK
120 minute winter	SCP 7-8	64	125.806	0.035	1.5	0.0082	0.0000	OK
120 minute winter	OUTFALL 7-8	64	125.113	-0.637	1.5	0.0235	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
120 minute winter	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0190	
120 minute winter	S7.1	1.001	SCP 7-8	0.7	0.419	0.049	0.0139	
120 minute winter	S8.0	2.000	S8.1	0.3	0.272	0.021	0.0151	
120 minute winter	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
120 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.5	0.511	0.103	0.0091	
120 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute winter	OUTFALL 7-8	Infiltration		1.5				

Results for 2 year 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S7.0	96	126.325	0.019	0.5	0.0082	0.0000	OK
180 minute summer	S7.1	96	126.241	0.025	0.8	0.0080	0.0000	OK
180 minute summer	S8.0	96	126.329	0.017	0.4	0.0063	0.0000	OK
180 minute summer	S8.1	96	126.244	0.021	0.6	0.0053	0.0000	OK
180 minute summer	SCP 7-8	96	125.809	0.038	1.8	0.0090	0.0000	OK
180 minute summer	OUTFALL 7-8	96	125.116	-0.634	1.8	0.0283	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S7.0	1.000	S7.1	0.5	0.318	0.035	0.0214	
180 minute summer	S7.1	1.001	SCP 7-8	0.8	0.435	0.056	0.0153	
180 minute summer	S8.0	2.000	S8.1	0.4	0.304	0.028	0.0177	
180 minute summer	S8.1	2.001	SCP 7-8	0.6	0.401	0.041	0.0096	
180 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.8	0.537	0.124	0.0104	
180 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute summer	OUTFALL 7-8	Infiltration		1.8				

Results for 2 year 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S7.0	88	126.321	0.015	0.3	0.0064	0.0000	OK
180 minute winter	S7.1	88	126.236	0.019	0.5	0.0064	0.0000	OK
180 minute winter	S8.0	96	126.327	0.015	0.3	0.0055	0.0000	OK
180 minute winter	S8.1	96	126.243	0.019	0.5	0.0049	0.0000	OK
180 minute winter	SCP 7-8	96	125.802	0.031	1.2	0.0073	0.0000	OK
180 minute winter	OUTFALL 7-8	96	125.111	-0.640	1.2	0.0188	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S7.0	1.000	S7.1	0.3	0.297	0.021	0.0152	
180 minute winter	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
180 minute winter	S8.0	2.000	S8.1	0.3	0.297	0.021	0.0151	
180 minute winter	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
180 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.2	0.481	0.083	0.0078	
180 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute winter	OUTFALL 7-8	Infiltration		1.2				

Results for 2 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	S7.0	124	126.323	0.017	0.4	0.0074	0.0000	OK
240 minute summer	S7.1	124	126.239	0.023	0.7	0.0074	0.0000	OK
240 minute summer	S8.0	124	126.327	0.015	0.3	0.0055	0.0000	OK
240 minute summer	S8.1	124	126.243	0.019	0.5	0.0049	0.0000	OK
240 minute summer	SCP 7-8	124	125.806	0.034	1.5	0.0082	0.0000	OK
240 minute summer	OUTFALL 7-8	124	125.113	-0.637	1.5	0.0232	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0189	
240 minute summer	S7.1	1.001	SCP 7-8	0.7	0.416	0.048	0.0137	
240 minute summer	S8.0	2.000	S8.1	0.3	0.297	0.021	0.0151	
240 minute summer	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
240 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.5	0.509	0.102	0.0091	
240 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute summer	OUTFALL 7-8	Infiltration		1.5				

Results for 2 year 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute winter	S7.0	120	126.321	0.015	0.3	0.0064	0.0000	OK
240 minute winter	S7.1	120	126.236	0.019	0.5	0.0064	0.0000	OK
240 minute winter	S8.0	108	126.324	0.012	0.2	0.0046	0.0000	OK
240 minute winter	S8.1	112	126.238	0.015	0.3	0.0038	0.0000	OK
240 minute winter	SCP 7-8	124	125.799	0.028	1.0	0.0067	0.0000	OK
240 minute winter	OUTFALL 7-8	120	125.109	-0.641	1.0	0.0157	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute winter	S7.0	1.000	S7.1	0.3	0.297	0.021	0.0152	
240 minute winter	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
240 minute winter	S8.0	2.000	S8.1	0.2	0.297	0.014	0.0108	
240 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
240 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.456	0.069	0.0068	
240 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute winter	OUTFALL 7-8	Infiltration		1.0				

Results for 2 year 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S7.0	184	126.321	0.015	0.3	0.0064	0.0000	OK
360 minute summer	S7.1	184	126.236	0.019	0.5	0.0064	0.0000	OK
360 minute summer	S8.0	184	126.327	0.015	0.3	0.0055	0.0000	OK
360 minute summer	S8.1	184	126.242	0.019	0.5	0.0048	0.0000	OK
360 minute summer	SCP 7-8	184	125.802	0.031	1.2	0.0072	0.0000	OK
360 minute summer	OUTFALL 7-8	184	125.110	-0.640	1.2	0.0184	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S7.0	1.000	S7.1	0.3	0.270	0.021	0.0152	
360 minute summer	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
360 minute summer	S8.0	2.000	S8.1	0.3	0.269	0.020	0.0148	
360 minute summer	S8.1	2.001	SCP 7-8	0.5	0.376	0.033	0.0082	
360 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.2	0.478	0.081	0.0077	
360 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute summer	OUTFALL 7-8	Infiltration		1.2				

Results for 2 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute winter	S7.0	152	126.318	0.012	0.2	0.0053	0.0000	OK
360 minute winter	S7.1	160	126.231	0.015	0.3	0.0050	0.0000	OK
360 minute winter	S8.0	176	126.324	0.012	0.2	0.0046	0.0000	OK
360 minute winter	S8.1	184	126.238	0.015	0.3	0.0038	0.0000	OK
360 minute winter	SCP 7-8	184	125.796	0.025	0.8	0.0059	0.0000	OK
360 minute winter	OUTFALL 7-8	184	125.107	-0.643	0.8	0.0126	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
360 minute winter	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
360 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
360 minute winter	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
360 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
360 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.8	0.429	0.055	0.0058	
360 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute winter	OUTFALL 7-8	Infiltration		0.8				

Results for 2 year 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S7.0	248	126.321	0.015	0.3	0.0064	0.0000	OK
480 minute summer	S7.1	248	126.236	0.019	0.5	0.0064	0.0000	OK
480 minute summer	S8.0	232	126.324	0.012	0.2	0.0046	0.0000	OK
480 minute summer	S8.1	240	126.238	0.015	0.3	0.0038	0.0000	OK
480 minute summer	SCP 7-8	248	125.799	0.028	1.0	0.0067	0.0000	OK
480 minute summer	OUTFALL 7-8	248	125.109	-0.641	1.0	0.0157	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S7.0	1.000	S7.1	0.3	0.270	0.021	0.0152	
480 minute summer	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
480 minute summer	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
480 minute summer	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
480 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.456	0.069	0.0068	
480 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute summer	OUTFALL 7-8	Infiltration		1.0				

Results for 2 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S7.0	224	126.318	0.012	0.2	0.0053	0.0000	OK
480 minute winter	S7.1	232	126.231	0.015	0.3	0.0050	0.0000	OK
480 minute winter	S8.0	320	126.321	0.009	0.1	0.0033	0.0000	OK
480 minute winter	S8.1	192	126.236	0.013	0.2	0.0031	0.0000	OK
480 minute winter	SCP 7-8	232	125.793	0.022	0.6	0.0051	0.0000	OK
480 minute winter	OUTFALL 7-8	224	125.105	-0.645	0.6	0.0094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
480 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
480 minute winter	S8.0	2.000	S8.1	0.1	0.238	0.007	0.0075	
480 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
480 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.6	0.396	0.041	0.0047	
480 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute winter	OUTFALL 7-8	Infiltration		0.6				

Results for 2 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S7.0	300	126.318	0.012	0.2	0.0053	0.0000	OK
600 minute summer	S7.1	300	126.231	0.015	0.3	0.0050	0.0000	OK
600 minute summer	S8.0	315	126.324	0.012	0.2	0.0046	0.0000	OK
600 minute summer	S8.1	315	126.238	0.015	0.3	0.0038	0.0000	OK
600 minute summer	SCP 7-8	315	125.796	0.025	0.8	0.0059	0.0000	OK
600 minute summer	OUTFALL 7-8	315	125.107	-0.643	0.8	0.0126	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
600 minute summer	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
600 minute summer	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
600 minute summer	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
600 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.8	0.429	0.055	0.0058	
600 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute summer	OUTFALL 7-8	Infiltration		0.8				

Results for 2 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S7.0	315	126.318	0.012	0.2	0.0053	0.0000	OK
600 minute winter	S7.1	315	126.231	0.015	0.3	0.0050	0.0000	OK
600 minute winter	S8.0	225	126.321	0.009	0.1	0.0033	0.0000	OK
600 minute winter	S8.1	270	126.236	0.013	0.2	0.0031	0.0000	OK
600 minute winter	SCP 7-8	315	125.793	0.022	0.6	0.0051	0.0000	OK
600 minute winter	OUTFALL 7-8	315	125.105	-0.645	0.6	0.0094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
600 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
600 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
600 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
600 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.6	0.396	0.041	0.0047	
600 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute winter	OUTFALL 7-8	Infiltration		0.6				

Results for 2 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S7.0	360	126.318	0.012	0.2	0.0053	0.0000	OK
720 minute summer	S7.1	360	126.231	0.015	0.3	0.0050	0.0000	OK
720 minute summer	S8.0	375	126.324	0.012	0.2	0.0046	0.0000	OK
720 minute summer	S8.1	375	126.238	0.015	0.3	0.0038	0.0000	OK
720 minute summer	SCP 7-8	375	125.794	0.023	0.7	0.0056	0.0000	OK
720 minute summer	OUTFALL 7-8	375	125.106	-0.644	0.7	0.0110	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
720 minute summer	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
720 minute summer	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
720 minute summer	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
720 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.7	0.414	0.048	0.0053	
720 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute summer	OUTFALL 7-8	Infiltration		0.7				

Results for 2 year 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute winter	S7.0	240	126.315	0.009	0.1	0.0039	0.0000	OK
720 minute winter	S7.1	300	126.229	0.013	0.2	0.0041	0.0000	OK
720 minute winter	S8.0	270	126.321	0.009	0.1	0.0033	0.0000	OK
720 minute winter	S8.1	330	126.236	0.013	0.2	0.0031	0.0000	OK
720 minute winter	SCP 7-8	330	125.791	0.020	0.5	0.0047	0.0000	OK
720 minute winter	OUTFALL 7-8	330	125.104	-0.646	0.5	0.0079	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute winter	S7.0	1.000	S7.1	0.1	0.233	0.007	0.0076	
720 minute winter	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
720 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
720 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
720 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.5	0.376	0.034	0.0041	
720 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute winter	OUTFALL 7-8	Infiltration		0.5				

Results for 2 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	S7.0	495	126.318	0.012	0.2	0.0053	0.0000	OK
960 minute summer	S7.1	495	126.231	0.015	0.3	0.0050	0.0000	OK
960 minute summer	S8.0	405	126.321	0.009	0.1	0.0033	0.0000	OK
960 minute summer	S8.1	450	126.236	0.013	0.2	0.0031	0.0000	OK
960 minute summer	SCP 7-8	495	125.793	0.022	0.6	0.0051	0.0000	OK
960 minute summer	OUTFALL 7-8	495	125.105	-0.645	0.6	0.0094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
960 minute summer	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
960 minute summer	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
960 minute summer	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
960 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.6	0.396	0.041	0.0047	
960 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute summer	OUTFALL 7-8	Infiltration		0.6				

Results for 2 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S7.0	345	126.315	0.009	0.1	0.0039	0.0000	OK
960 minute winter	S7.1	420	126.229	0.013	0.2	0.0041	0.0000	OK
960 minute winter	S8.0	375	126.321	0.009	0.1	0.0033	0.0000	OK
960 minute winter	S8.1	495	126.236	0.013	0.2	0.0031	0.0000	OK
960 minute winter	SCP 7-8	495	125.791	0.020	0.5	0.0047	0.0000	OK
960 minute winter	OUTFALL 7-8	495	125.104	-0.646	0.5	0.0079	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S7.0	1.000	S7.1	0.1	0.233	0.007	0.0076	
960 minute winter	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
960 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
960 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
960 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.5	0.376	0.034	0.0041	
960 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute winter	OUTFALL 7-8	Infiltration		0.5				

Results for 2 year 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
1440 minute summer	S7.0	630	126.315	0.009	0.1	0.0039	0.0000	OK
1440 minute summer	S7.1	720	126.229	0.013	0.2	0.0041	0.0000	OK
1440 minute summer	S8.0	660	126.321	0.009	0.1	0.0033	0.0000	OK
1440 minute summer	S8.1	750	126.236	0.013	0.2	0.0031	0.0000	OK
1440 minute summer	SCP 7-8	750	125.791	0.020	0.5	0.0047	0.0000	OK
1440 minute summer	OUTFALL 7-8	750	125.104	-0.646	0.5	0.0079	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute summer	S7.0	1.000	S7.1	0.1	0.232	0.007	0.0076	
1440 minute summer	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
1440 minute summer	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
1440 minute summer	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
1440 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.5	0.376	0.034	0.0041	
1440 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute summer	OUTFALL 7-8	Infiltration		0.5				

Results for 2 year 1440 minute winter. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S7.0	600	126.315	0.009	0.1	0.0039	0.0000	OK
1440 minute winter	S7.1	600	126.225	0.009	0.1	0.0030	0.0000	OK
1440 minute winter	S8.0	660	126.321	0.009	0.1	0.0033	0.0000	OK
1440 minute winter	S8.1	660	126.232	0.009	0.1	0.0023	0.0000	OK
1440 minute winter	SCP 7-8	690	125.786	0.015	0.3	0.0037	0.0000	OK
1440 minute winter	OUTFALL 7-8	690	125.103	-0.647	0.3	0.0047	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S7.0	1.000	S7.1	0.1	0.232	0.007	0.0058	
1440 minute winter	S7.1	1.001	SCP 7-8	0.1	0.243	0.007	0.0034	
1440 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0058	
1440 minute winter	S8.1	2.001	SCP 7-8	0.1	0.244	0.007	0.0026	
1440 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.3	0.324	0.021	0.0029	
1440 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute winter	OUTFALL 7-8	Infiltration		0.3				

Results for 10 year 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	10	126.348	0.042	2.5	0.0179	0.0000	OK
15 minute summer	S7.1	10	126.272	0.056	4.0	0.0184	0.0000	OK
15 minute summer	S8.0	10	126.349	0.036	1.9	0.0135	0.0000	OK
15 minute summer	S8.1	10	126.272	0.049	3.1	0.0123	0.0000	OK
15 minute summer	SCP 7-8	10	125.865	0.094	8.7	0.0223	0.0000	OK
15 minute summer	OUTFALL 7-8	13	125.453	-0.297	8.6	0.6360	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	2.5	0.496	0.172	0.0679	
15 minute summer	S7.1	1.001	SCP 7-8	3.9	0.674	0.271	0.0482	
15 minute summer	S8.0	2.000	S8.1	1.9	0.455	0.130	0.0557	
15 minute summer	S8.1	2.001	SCP 7-8	3.0	0.628	0.207	0.0307	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	8.6	0.802	0.594	0.0336	
15 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 7-8	Infiltration		6.0				

Results for 10 year 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S7.0	10	126.346	0.040	2.3	0.0172	0.0000	OK
15 minute winter	S7.1	10	126.270	0.054	3.7	0.0176	0.0000	OK
15 minute winter	S8.0	10	126.348	0.035	1.8	0.0131	0.0000	OK
15 minute winter	S8.1	10	126.270	0.047	2.9	0.0119	0.0000	OK
15 minute winter	SCP 7-8	10	125.861	0.090	8.1	0.0212	0.0000	OK
15 minute winter	OUTFALL 7-8	13	125.378	-0.372	8.0	0.5007	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S7.0	1.000	S7.1	2.3	0.484	0.158	0.0639	
15 minute winter	S7.1	1.001	SCP 7-8	3.6	0.660	0.250	0.0455	
15 minute winter	S8.0	2.000	S8.1	1.8	0.451	0.123	0.0531	
15 minute winter	S8.1	2.001	SCP 7-8	2.8	0.617	0.193	0.0292	
15 minute winter	SCP 7-8	1.002	OUTFALL 7-8	8.0	0.789	0.553	0.0318	
15 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute winter	OUTFALL 7-8	Infiltration		5.9				

Results for 10 year 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S7.0	18	126.346	0.039	2.2	0.0169	0.0000	OK
30 minute summer	S7.1	18	126.269	0.053	3.5	0.0172	0.0000	OK
30 minute summer	S8.0	18	126.347	0.035	1.7	0.0128	0.0000	OK
30 minute summer	S8.1	18	126.269	0.046	2.7	0.0116	0.0000	OK
30 minute summer	SCP 7-8	18	125.859	0.088	7.8	0.0207	0.0000	OK
30 minute summer	OUTFALL 7-8	20	125.368	-0.382	7.8	0.4819	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S7.0	1.000	S7.1	2.2	0.480	0.152	0.0623	
30 minute summer	S7.1	1.001	SCP 7-8	3.5	0.655	0.243	0.0444	
30 minute summer	S8.0	2.000	S8.1	1.7	0.446	0.118	0.0514	
30 minute summer	S8.1	2.001	SCP 7-8	2.7	0.611	0.186	0.0283	
30 minute summer	SCP 7-8	1.002	OUTFALL 7-8	7.8	0.783	0.536	0.0310	
30 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 7-8	Infiltration		5.9				

Results for 10 year 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S7.0	18	126.342	0.036	1.8	0.0153	0.0000	OK
30 minute winter	S7.1	18	126.264	0.048	2.9	0.0156	0.0000	OK
30 minute winter	S8.0	18	126.344	0.031	1.4	0.0116	0.0000	OK
30 minute winter	S8.1	18	126.264	0.041	2.2	0.0104	0.0000	OK
30 minute winter	SCP 7-8	18	125.848	0.077	6.4	0.0183	0.0000	OK
30 minute winter	OUTFALL 7-8	20	125.206	-0.544	6.4	0.1912	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S7.0	1.000	S7.1	1.8	0.453	0.125	0.0541	
30 minute winter	S7.1	1.001	SCP 7-8	2.9	0.623	0.201	0.0387	
30 minute winter	S8.0	2.000	S8.1	1.4	0.425	0.097	0.0444	
30 minute winter	S8.1	2.001	SCP 7-8	2.2	0.578	0.151	0.0243	
30 minute winter	SCP 7-8	1.002	OUTFALL 7-8	6.4	0.748	0.439	0.0266	
30 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute winter	OUTFALL 7-8	Infiltration		5.8				

Results for 10 year 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S7.0	33	126.341	0.035	1.7	0.0148	0.0000	OK
60 minute summer	S7.1	33	126.262	0.046	2.7	0.0150	0.0000	OK
60 minute summer	S8.0	33	126.342	0.030	1.3	0.0112	0.0000	OK
60 minute summer	S8.1	33	126.263	0.040	2.1	0.0101	0.0000	OK
60 minute summer	SCP 7-8	33	125.845	0.074	6.0	0.0176	0.0000	OK
60 minute summer	OUTFALL 7-8	34	125.164	-0.586	6.0	0.1145	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S7.0	1.000	S7.1	1.7	0.448	0.118	0.0516	
60 minute summer	S7.1	1.001	SCP 7-8	2.7	0.611	0.187	0.0367	
60 minute summer	S8.0	2.000	S8.1	1.3	0.413	0.090	0.0425	
60 minute summer	S8.1	2.001	SCP 7-8	2.1	0.570	0.144	0.0235	
60 minute summer	SCP 7-8	1.002	OUTFALL 7-8	6.0	0.736	0.412	0.0253	
60 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute summer	OUTFALL 7-8	Infiltration		5.7				

Results for 10 year 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S7.0	34	126.335	0.029	1.2	0.0125	0.0000	OK
60 minute winter	S7.1	35	126.254	0.038	1.9	0.0125	0.0000	OK
60 minute winter	S8.0	33	126.339	0.027	1.0	0.0099	0.0000	OK
60 minute winter	S8.1	33	126.258	0.035	1.6	0.0088	0.0000	OK
60 minute winter	SCP 7-8	33	125.833	0.062	4.4	0.0147	0.0000	OK
60 minute winter	OUTFALL 7-8	34	125.138	-0.612	4.4	0.0688	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S7.0	1.000	S7.1	1.2	0.410	0.083	0.0400	
60 minute winter	S7.1	1.001	SCP 7-8	1.9	0.555	0.132	0.0285	
60 minute winter	S8.0	2.000	S8.1	1.0	0.385	0.069	0.0350	
60 minute winter	S8.1	2.001	SCP 7-8	1.6	0.529	0.110	0.0193	
60 minute winter	SCP 7-8	1.002	OUTFALL 7-8	4.4	0.680	0.302	0.0201	
60 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute winter	OUTFALL 7-8	Infiltration		4.4				

Results for 10 year 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S7.0	64	126.334	0.028	1.1	0.0120	0.0000	OK
120 minute summer	S7.1	64	126.253	0.037	1.8	0.0121	0.0000	OK
120 minute summer	S8.0	64	126.337	0.025	0.9	0.0094	0.0000	OK
120 minute summer	S8.1	64	126.256	0.033	1.4	0.0082	0.0000	OK
120 minute summer	SCP 7-8	64	125.830	0.059	4.0	0.0140	0.0000	OK
120 minute summer	OUTFALL 7-8	64	125.135	-0.615	4.0	0.0628	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S7.0	1.000	S7.1	1.1	0.393	0.076	0.0381	
120 minute summer	S7.1	1.001	SCP 7-8	1.8	0.547	0.125	0.0274	
120 minute summer	S8.0	2.000	S8.1	0.9	0.378	0.062	0.0321	
120 minute summer	S8.1	2.001	SCP 7-8	1.4	0.510	0.096	0.0175	
120 minute summer	SCP 7-8	1.002	OUTFALL 7-8	4.0	0.664	0.275	0.0188	
120 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute summer	OUTFALL 7-8	Infiltration		4.0				

Results for 10 year 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S7.0	64	126.330	0.024	0.8	0.0102	0.0000	OK
120 minute winter	S7.1	66	126.247	0.031	1.3	0.0102	0.0000	OK
120 minute winter	S8.0	62	126.333	0.021	0.6	0.0077	0.0000	OK
120 minute winter	S8.1	66	126.251	0.027	1.0	0.0069	0.0000	OK
120 minute winter	SCP 7-8	66	125.820	0.049	2.9	0.0117	0.0000	OK
120 minute winter	OUTFALL 7-8	66	125.125	-0.625	2.9	0.0455	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S7.0	1.000	S7.1	0.8	0.362	0.055	0.0302	
120 minute winter	S7.1	1.001	SCP 7-8	1.3	0.500	0.090	0.0216	
120 minute winter	S8.0	2.000	S8.1	0.6	0.342	0.042	0.0247	
120 minute winter	S8.1	2.001	SCP 7-8	1.0	0.464	0.069	0.0138	
120 minute winter	SCP 7-8	1.002	OUTFALL 7-8	2.9	0.610	0.199	0.0148	
120 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute winter	OUTFALL 7-8	Infiltration		2.9				

Results for 10 year 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S7.0	96	126.331	0.025	0.9	0.0108	0.0000	OK
180 minute summer	S7.1	96	126.249	0.033	1.4	0.0106	0.0000	OK
180 minute summer	S8.0	96	126.334	0.022	0.7	0.0083	0.0000	OK
180 minute summer	S8.1	96	126.252	0.029	1.1	0.0072	0.0000	OK
180 minute summer	SCP 7-8	96	125.822	0.051	3.1	0.0121	0.0000	OK
180 minute summer	OUTFALL 7-8	96	125.127	-0.623	3.1	0.0487	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S7.0	1.000	S7.1	0.9	0.380	0.062	0.0322	
180 minute summer	S7.1	1.001	SCP 7-8	1.4	0.510	0.097	0.0228	
180 minute summer	S8.0	2.000	S8.1	0.7	0.351	0.049	0.0269	
180 minute summer	S8.1	2.001	SCP 7-8	1.1	0.477	0.076	0.0148	
180 minute summer	SCP 7-8	1.002	OUTFALL 7-8	3.1	0.621	0.213	0.0156	
180 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute summer	OUTFALL 7-8	Infiltration		3.1				

Results for 10 year 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S7.0	92	126.327	0.021	0.6	0.0089	0.0000	OK
180 minute winter	S7.1	96	126.242	0.026	0.9	0.0085	0.0000	OK
180 minute winter	S8.0	96	126.331	0.019	0.5	0.0071	0.0000	OK
180 minute winter	S8.1	96	126.248	0.025	0.8	0.0062	0.0000	OK
180 minute winter	SCP 7-8	96	125.812	0.041	2.1	0.0098	0.0000	OK
180 minute winter	OUTFALL 7-8	96	125.118	-0.632	2.1	0.0330	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S7.0	1.000	S7.1	0.6	0.343	0.042	0.0238	
180 minute winter	S7.1	1.001	SCP 7-8	0.9	0.450	0.063	0.0167	
180 minute winter	S8.0	2.000	S8.1	0.5	0.316	0.035	0.0213	
180 minute winter	S8.1	2.001	SCP 7-8	0.8	0.435	0.055	0.0118	
180 minute winter	SCP 7-8	1.002	OUTFALL 7-8	2.1	0.560	0.144	0.0117	
180 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute winter	OUTFALL 7-8	Infiltration		2.1				

Results for 10 year 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S7.0	124	126.328	0.022	0.7	0.0096	0.0000	OK
240 minute summer	S7.1	128	126.245	0.029	1.1	0.0094	0.0000	OK
240 minute summer	S8.0	124	126.333	0.021	0.6	0.0076	0.0000	OK
240 minute summer	S8.1	124	126.249	0.026	0.9	0.0065	0.0000	OK
240 minute summer	SCP 7-8	124	125.816	0.045	2.5	0.0107	0.0000	OK
240 minute summer	OUTFALL 7-8	124	125.122	-0.628	2.5	0.0388	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S7.0	1.000	S7.1	0.7	0.353	0.048	0.0270	
240 minute summer	S7.1	1.001	SCP 7-8	1.1	0.476	0.076	0.0192	
240 minute summer	S8.0	2.000	S8.1	0.6	0.342	0.041	0.0233	
240 minute summer	S8.1	2.001	SCP 7-8	0.9	0.447	0.061	0.0126	
240 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.5	0.585	0.170	0.0132	
240 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute summer	OUTFALL 7-8	Infiltration		2.5				

Results for 10 year 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S7.0	124	126.325	0.019	0.5	0.0082	0.0000	OK
240 minute winter	S7.1	124	126.241	0.025	0.8	0.0080	0.0000	OK
240 minute winter	S8.0	120	126.329	0.017	0.4	0.0063	0.0000	OK
240 minute winter	S8.1	124	126.244	0.021	0.6	0.0053	0.0000	OK
240 minute winter	SCP 7-8	124	125.809	0.038	1.8	0.0090	0.0000	OK
240 minute winter	OUTFALL 7-8	124	125.116	-0.634	1.8	0.0281	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S7.0	1.000	S7.1	0.5	0.317	0.035	0.0214	
240 minute winter	S7.1	1.001	SCP 7-8	0.8	0.435	0.056	0.0153	
240 minute winter	S8.0	2.000	S8.1	0.4	0.304	0.028	0.0177	
240 minute winter	S8.1	2.001	SCP 7-8	0.6	0.401	0.041	0.0096	
240 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.8	0.536	0.123	0.0104	
240 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute winter	OUTFALL 7-8	Infiltration		1.8				

Results for 10 year 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S7.0	184	126.327	0.021	0.6	0.0089	0.0000	OK
360 minute summer	S7.1	184	126.242	0.026	0.9	0.0085	0.0000	OK
360 minute summer	S8.0	184	126.329	0.017	0.4	0.0063	0.0000	OK
360 minute summer	S8.1	184	126.246	0.023	0.7	0.0057	0.0000	OK
360 minute summer	SCP 7-8	184	125.811	0.040	2.0	0.0095	0.0000	OK
360 minute summer	OUTFALL 7-8	184	125.117	-0.633	2.0	0.0309	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S7.0	1.000	S7.1	0.6	0.343	0.041	0.0236	
360 minute summer	S7.1	1.001	SCP 7-8	0.9	0.448	0.062	0.0165	
360 minute summer	S8.0	2.000	S8.1	0.4	0.304	0.028	0.0188	
360 minute summer	S8.1	2.001	SCP 7-8	0.7	0.418	0.048	0.0106	
360 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.0	0.550	0.136	0.0112	
360 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute summer	OUTFALL 7-8	Infiltration		2.0				

Results for 10 year 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S7.0	184	126.323	0.017	0.4	0.0074	0.0000	OK
360 minute winter	S7.1	184	126.237	0.021	0.6	0.0070	0.0000	OK
360 minute winter	S8.0	176	126.327	0.015	0.3	0.0055	0.0000	OK
360 minute winter	S8.1	176	126.243	0.019	0.5	0.0049	0.0000	OK
360 minute winter	SCP 7-8	184	125.804	0.033	1.4	0.0079	0.0000	OK
360 minute winter	OUTFALL 7-8	184	125.112	-0.638	1.4	0.0220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0178	
360 minute winter	S7.1	1.001	SCP 7-8	0.6	0.400	0.042	0.0125	
360 minute winter	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
360 minute winter	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
360 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.4	0.502	0.096	0.0087	
360 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute winter	OUTFALL 7-8	Infiltration		1.4				

Results for 10 year 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
480 minute summer	S7.0	240	126.323	0.017	0.4	0.0074	0.0000	OK
480 minute summer	S7.1	248	126.239	0.023	0.7	0.0075	0.0000	OK
480 minute summer	S8.0	232	126.327	0.015	0.3	0.0055	0.0000	OK
480 minute summer	S8.1	232	126.243	0.019	0.5	0.0049	0.0000	OK
480 minute summer	SCP 7-8	248	125.806	0.035	1.5	0.0082	0.0000	OK
480 minute summer	OUTFALL 7-8	248	125.113	-0.637	1.5	0.0236	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute summer	S7.0	1.000	S7.1	0.4	0.304	0.028	0.0190	
480 minute summer	S7.1	1.001	SCP 7-8	0.7	0.419	0.049	0.0139	
480 minute summer	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
480 minute summer	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
480 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.5	0.511	0.103	0.0091	
480 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute summer	OUTFALL 7-8	Infiltration		1.5				

Results for 10 year 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
480 minute winter	S7.0	224	126.321	0.015	0.3	0.0064	0.0000	OK
480 minute winter	S7.1	224	126.236	0.019	0.5	0.0064	0.0000	OK
480 minute winter	S8.0	200	126.324	0.012	0.2	0.0046	0.0000	OK
480 minute winter	S8.1	208	126.238	0.015	0.3	0.0038	0.0000	OK
480 minute winter	SCP 7-8	232	125.799	0.028	1.0	0.0067	0.0000	OK
480 minute winter	OUTFALL 7-8	224	125.109	-0.641	1.0	0.0157	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute winter	S7.0	1.000	S7.1	0.3	0.270	0.021	0.0152	
480 minute winter	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
480 minute winter	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
480 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
480 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.456	0.069	0.0068	
480 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute winter	OUTFALL 7-8	Infiltration		1.0				

Results for 10 year 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
600 minute summer	S7.0	315	126.323	0.017	0.4	0.0074	0.0000	OK
600 minute summer	S7.1	315	126.237	0.021	0.6	0.0070	0.0000	OK
600 minute summer	S8.0	315	126.327	0.015	0.3	0.0055	0.0000	OK
600 minute summer	S8.1	315	126.243	0.019	0.5	0.0049	0.0000	OK
600 minute summer	SCP 7-8	315	125.804	0.033	1.4	0.0079	0.0000	OK
600 minute summer	OUTFALL 7-8	315	125.112	-0.638	1.4	0.0220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
600 minute summer	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0178	
600 minute summer	S7.1	1.001	SCP 7-8	0.6	0.400	0.042	0.0125	
600 minute summer	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
600 minute summer	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
600 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.4	0.502	0.096	0.0087	
600 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute summer	OUTFALL 7-8	Infiltration		1.4				

Results for 10 year 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S7.0	255	126.318	0.012	0.2	0.0053	0.0000	OK
600 minute winter	S7.1	255	126.231	0.015	0.3	0.0050	0.0000	OK
600 minute winter	S8.0	285	126.324	0.012	0.2	0.0046	0.0000	OK
600 minute winter	S8.1	285	126.238	0.015	0.3	0.0038	0.0000	OK
600 minute winter	SCP 7-8	285	125.796	0.025	0.8	0.0059	0.0000	OK
600 minute winter	OUTFALL 7-8	285	125.107	-0.643	0.8	0.0126	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
600 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
600 minute winter	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
600 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
600 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.8	0.429	0.055	0.0058	
600 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute winter	OUTFALL 7-8	Infiltration		0.8				

Results for 10 year 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S7.0	360	126.321	0.015	0.3	0.0064	0.0000	OK
720 minute summer	S7.1	360	126.236	0.019	0.5	0.0064	0.0000	OK
720 minute summer	S8.0	345	126.324	0.012	0.2	0.0046	0.0000	OK
720 minute summer	S8.1	345	126.238	0.015	0.3	0.0038	0.0000	OK
720 minute summer	SCP 7-8	360	125.799	0.028	1.0	0.0067	0.0000	OK
720 minute summer	OUTFALL 7-8	360	125.109	-0.641	1.0	0.0157	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S7.0	1.000	S7.1	0.3	0.269	0.021	0.0152	
720 minute summer	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
720 minute summer	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
720 minute summer	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
720 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.456	0.069	0.0068	
720 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute summer	OUTFALL 7-8	Infiltration		1.0				

Results for 10 year 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S7.0	315	126.318	0.012	0.2	0.0053	0.0000	OK
720 minute winter	S7.1	315	126.231	0.015	0.3	0.0050	0.0000	OK
720 minute winter	S8.0	360	126.324	0.012	0.2	0.0046	0.0000	OK
720 minute winter	S8.1	360	126.238	0.015	0.3	0.0038	0.0000	OK
720 minute winter	SCP 7-8	375	125.796	0.025	0.8	0.0059	0.0000	OK
720 minute winter	OUTFALL 7-8	375	125.107	-0.643	0.8	0.0126	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
720 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
720 minute winter	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
720 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
720 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.8	0.429	0.055	0.0058	
720 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute winter	OUTFALL 7-8	Infiltration		0.8				

Results for 10 year 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S7.0	495	126.321	0.015	0.3	0.0064	0.0000	OK
960 minute summer	S7.1	495	126.236	0.019	0.5	0.0064	0.0000	OK
960 minute summer	S8.0	465	126.324	0.012	0.2	0.0046	0.0000	OK
960 minute summer	S8.1	465	126.238	0.015	0.3	0.0038	0.0000	OK
960 minute summer	SCP 7-8	495	125.799	0.028	1.0	0.0067	0.0000	OK
960 minute summer	OUTFALL 7-8	495	125.109	-0.641	1.0	0.0157	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S7.0	1.000	S7.1	0.3	0.269	0.021	0.0152	
960 minute summer	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
960 minute summer	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
960 minute summer	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
960 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.456	0.069	0.0068	
960 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute summer	OUTFALL 7-8	Infiltration		1.0				

Results for 10 year 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S7.0	450	126.318	0.012	0.2	0.0053	0.0000	OK
960 minute winter	S7.1	450	126.231	0.015	0.3	0.0050	0.0000	OK
960 minute winter	S8.0	315	126.321	0.009	0.1	0.0033	0.0000	OK
960 minute winter	S8.1	390	126.236	0.013	0.2	0.0031	0.0000	OK
960 minute winter	SCP 7-8	450	125.793	0.022	0.6	0.0051	0.0000	OK
960 minute winter	OUTFALL 7-8	450	125.105	-0.645	0.6	0.0094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
960 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
960 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
960 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
960 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.6	0.396	0.041	0.0047	
960 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute winter	OUTFALL 7-8	Infiltration		0.6				

Results for 10 year 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
1440 minute summer	S7.0	720	126.318	0.012	0.2	0.0053	0.0000	OK
1440 minute summer	S7.1	720	126.231	0.015	0.3	0.0050	0.0000	OK
1440 minute summer	S8.0	600	126.321	0.009	0.1	0.0033	0.0000	OK
1440 minute summer	S8.1	690	126.236	0.013	0.2	0.0031	0.0000	OK
1440 minute summer	SCP 7-8	720	125.793	0.022	0.6	0.0051	0.0000	OK
1440 minute summer	OUTFALL 7-8	720	125.105	-0.645	0.6	0.0094	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute summer	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
1440 minute summer	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
1440 minute summer	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
1440 minute summer	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
1440 minute summer	SCP 7-8	1.002	OUTFALL 7-8	0.6	0.396	0.041	0.0047	
1440 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute summer	OUTFALL 7-8	Infiltration		0.6				

Results for 10 year 1440 minute winter. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S7.0	510	126.315	0.009	0.1	0.0039	0.0000	OK
1440 minute winter	S7.1	630	126.229	0.013	0.2	0.0041	0.0000	OK
1440 minute winter	S8.0	570	126.321	0.009	0.1	0.0033	0.0000	OK
1440 minute winter	S8.1	690	126.236	0.013	0.2	0.0031	0.0000	OK
1440 minute winter	SCP 7-8	690	125.791	0.020	0.5	0.0047	0.0000	OK
1440 minute winter	OUTFALL 7-8	690	125.104	-0.646	0.5	0.0079	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S7.0	1.000	S7.1	0.1	0.232	0.007	0.0076	
1440 minute winter	S7.1	1.001	SCP 7-8	0.2	0.290	0.014	0.0057	
1440 minute winter	S8.0	2.000	S8.1	0.1	0.232	0.007	0.0075	
1440 minute winter	S8.1	2.001	SCP 7-8	0.2	0.290	0.014	0.0044	
1440 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.5	0.376	0.034	0.0041	
1440 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute winter	OUTFALL 7-8	Infiltration		0.5				

Results for 30 year +40% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	10	126.364	0.058	4.6	0.0247	0.0000	OK
15 minute summer	S7.1	13	126.351	0.135	7.3	0.0440	0.0000	OK
15 minute summer	S8.0	10	126.363	0.051	3.6	0.0187	0.0000	OK
15 minute summer	S8.1	13	126.353	0.130	5.7	0.0326	0.0000	OK
15 minute summer	SCP 7-8	13	126.347	0.576	16.0	0.1365	0.0000	SURCHARGED
15 minute summer	OUTFALL 7-8	14	126.338	0.588	15.9	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	4.6	0.579	0.316	0.1438	
15 minute summer	S7.1	1.001	SCP 7-8	7.2	0.785	0.498	0.1425	
15 minute summer	S8.0	2.000	S8.1	3.6	0.542	0.247	0.1313	
15 minute summer	S8.1	2.001	SCP 7-8	5.6	0.737	0.384	0.1081	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	15.9	0.955	1.093	0.0548	
15 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 30 year +40% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
15 minute winter	S7.0	10	126.362	0.056	4.3	0.0238	0.0000	OK
15 minute winter	S7.1	14	126.325	0.109	6.7	0.0357	0.0000	OK
15 minute winter	S8.0	10	126.360	0.048	3.3	0.0178	0.0000	OK
15 minute winter	S8.1	14	126.323	0.100	5.3	0.0251	0.0000	OK
15 minute winter	SCP 7-8	14	126.322	0.551	14.9	0.1306	0.0000	SURCHARGED
15 minute winter	OUTFALL 7-8	14	126.315	0.565	14.8	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
15 minute winter	S7.0	1.000	S7.1	4.2	0.570	0.294	0.1151	
15 minute winter	S7.1	1.001	SCP 7-8	6.6	0.771	0.460	0.1303	
15 minute winter	S8.0	2.000	S8.1	3.3	0.527	0.226	0.1019	
15 minute winter	S8.1	2.001	SCP 7-8	5.2	0.723	0.357	0.0950	
15 minute winter	SCP 7-8	1.002	OUTFALL 7-8	14.8	0.930	1.015	0.0548	
15 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute winter	OUTFALL 7-8	Infiltration		6.4				

Results for 30 year +40% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S7.0	18	126.361	0.055	4.2	0.0236	0.0000	OK
30 minute summer	S7.1	22	126.350	0.134	6.7	0.0439	0.0000	OK
30 minute summer	S8.0	18	126.360	0.048	3.2	0.0177	0.0000	OK
30 minute summer	S8.1	22	126.348	0.125	5.1	0.0314	0.0000	OK
30 minute summer	SCP 7-8	22	126.347	0.576	14.8	0.1364	0.0000	SURCHARGED
30 minute summer	OUTFALL 7-8	22	126.339	0.589	14.2	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S7.0	1.000	S7.1	4.2	0.566	0.291	0.1439	
30 minute summer	S7.1	1.001	SCP 7-8	6.7	0.773	0.465	0.1423	
30 minute summer	S8.0	2.000	S8.1	3.2	0.525	0.222	0.1296	
30 minute summer	S8.1	2.001	SCP 7-8	5.1	0.721	0.351	0.1065	
30 minute summer	SCP 7-8	1.002	OUTFALL 7-8	14.2	0.917	0.977	0.0548	
30 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 30 year +40% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute winter	S7.0	18	126.355	0.049	3.4	0.0211	0.0000	OK
30 minute winter	S7.1	18	126.283	0.067	5.4	0.0220	0.0000	OK
30 minute winter	S8.0	18	126.355	0.043	2.6	0.0159	0.0000	OK
30 minute winter	S8.1	18	126.282	0.059	4.2	0.0147	0.0000	OK
30 minute winter	SCP 7-8	22	126.272	0.501	12.1	0.1188	0.0000	SURCHARGED
30 minute winter	OUTFALL 7-8	22	126.265	0.515	12.1	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute winter	S7.0	1.000	S7.1	3.4	0.537	0.235	0.0860	
30 minute winter	S7.1	1.001	SCP 7-8	5.4	0.733	0.375	0.0833	
30 minute winter	S8.0	2.000	S8.1	2.6	0.495	0.180	0.0708	
30 minute winter	S8.1	2.001	SCP 7-8	4.2	0.686	0.289	0.0519	
30 minute winter	SCP 7-8	1.002	OUTFALL 7-8	12.1	0.867	0.832	0.0548	
30 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute winter	OUTFALL 7-8	Infiltration		6.4				

Results for 30 year +40% CC 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S7.0	33	126.354	0.048	3.2	0.0205	0.0000	OK
60 minute summer	S7.1	33	126.281	0.065	5.1	0.0213	0.0000	OK
60 minute summer	S8.0	33	126.354	0.042	2.5	0.0155	0.0000	OK
60 minute summer	S8.1	33	126.280	0.057	4.0	0.0143	0.0000	OK
60 minute summer	SCP 7-8	38	126.174	0.403	11.4	0.0955	0.0000	SURCHARGED
60 minute summer	OUTFALL 7-8	38	126.166	0.416	11.4	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S7.0	1.000	S7.1	3.2	0.528	0.222	0.0823	
60 minute summer	S7.1	1.001	SCP 7-8	5.1	0.722	0.354	0.0587	
60 minute summer	S8.0	2.000	S8.1	2.5	0.492	0.173	0.0685	
60 minute summer	S8.1	2.001	SCP 7-8	4.0	0.678	0.275	0.0378	
60 minute summer	SCP 7-8	1.002	OUTFALL 7-8	11.4	0.848	0.784	0.0548	
60 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 30 year +40% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S7.0	33	126.346	0.040	2.3	0.0173	0.0000	OK
60 minute winter	S7.1	33	126.270	0.054	3.7	0.0178	0.0000	OK
60 minute winter	S8.0	33	126.348	0.036	1.8	0.0132	0.0000	OK
60 minute winter	S8.1	33	126.271	0.048	2.9	0.0120	0.0000	OK
60 minute winter	SCP 7-8	33	125.862	0.091	8.3	0.0216	0.0000	OK
60 minute winter	OUTFALL 7-8	39	125.699	-0.051	8.3	1.0775	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S7.0	1.000	S7.1	2.3	0.484	0.159	0.0647	
60 minute winter	S7.1	1.001	SCP 7-8	3.7	0.665	0.257	0.0463	
60 minute winter	S8.0	2.000	S8.1	1.8	0.451	0.125	0.0539	
60 minute winter	S8.1	2.001	SCP 7-8	2.9	0.622	0.200	0.0298	
60 minute winter	SCP 7-8	1.002	OUTFALL 7-8	8.3	0.794	0.570	0.0325	
60 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute winter	OUTFALL 7-8	Infiltration		6.2				

Results for 30 year +40% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S7.0	64	126.344	0.038	2.0	0.0161	0.0000	OK
120 minute summer	S7.1	64	126.266	0.050	3.2	0.0164	0.0000	OK
120 minute summer	S8.0	64	126.346	0.034	1.6	0.0124	0.0000	OK
120 minute summer	S8.1	64	126.268	0.045	2.6	0.0113	0.0000	OK
120 minute summer	SCP 7-8	64	125.855	0.084	7.3	0.0199	0.0000	OK
120 minute summer	OUTFALL 7-8	68	125.463	-0.287	7.3	0.6527	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S7.0	1.000	S7.1	2.0	0.467	0.138	0.0583	
120 minute summer	S7.1	1.001	SCP 7-8	3.2	0.640	0.222	0.0416	
120 minute summer	S8.0	2.000	S8.1	1.6	0.435	0.111	0.0497	
120 minute summer	S8.1	2.001	SCP 7-8	2.6	0.605	0.179	0.0275	
120 minute summer	SCP 7-8	1.002	OUTFALL 7-8	7.3	0.772	0.502	0.0295	
120 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute summer	OUTFALL 7-8	Infiltration		6.0				

Results for 30 year +40% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S7.0	64	126.338	0.031	1.4	0.0135	0.0000	OK
120 minute winter	S7.1	64	126.257	0.041	2.2	0.0134	0.0000	OK
120 minute winter	S8.0	64	126.340	0.028	1.1	0.0103	0.0000	OK
120 minute winter	S8.1	64	126.260	0.037	1.8	0.0093	0.0000	OK
120 minute winter	SCP 7-8	64	125.838	0.067	5.0	0.0158	0.0000	OK
120 minute winter	OUTFALL 7-8	64	125.144	-0.606	5.0	0.0785	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S7.0	1.000	S7.1	1.4	0.427	0.097	0.0446	
120 minute winter	S7.1	1.001	SCP 7-8	2.2	0.578	0.153	0.0317	
120 minute winter	S8.0	2.000	S8.1	1.1	0.400	0.076	0.0379	
120 minute winter	S8.1	2.001	SCP 7-8	1.8	0.547	0.124	0.0211	
120 minute winter	SCP 7-8	1.002	OUTFALL 7-8	5.0	0.703	0.344	0.0221	
120 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute winter	OUTFALL 7-8	Infiltration		5.0				

Results for 30 year +40% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S7.0	96	126.339	0.033	1.5	0.0139	0.0000	OK
180 minute summer	S7.1	96	126.259	0.043	2.4	0.0141	0.0000	OK
180 minute summer	S8.0	96	126.341	0.029	1.2	0.0108	0.0000	OK
180 minute summer	S8.1	96	126.261	0.038	1.9	0.0096	0.0000	OK
180 minute summer	SCP 7-8	96	125.841	0.070	5.4	0.0166	0.0000	OK
180 minute summer	OUTFALL 7-8	96	125.147	-0.603	5.4	0.0848	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S7.0	1.000	S7.1	1.5	0.432	0.104	0.0472	
180 minute summer	S7.1	1.001	SCP 7-8	2.4	0.592	0.167	0.0337	
180 minute summer	S8.0	2.000	S8.1	1.2	0.406	0.083	0.0398	
180 minute summer	S8.1	2.001	SCP 7-8	1.9	0.555	0.131	0.0219	
180 minute summer	SCP 7-8	1.002	OUTFALL 7-8	5.4	0.717	0.371	0.0235	
180 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute summer	OUTFALL 7-8	Infiltration		5.4				

Results for 30 year +40% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S7.0	92	126.333	0.027	1.0	0.0114	0.0000	OK
180 minute winter	S7.1	92	126.251	0.035	1.6	0.0114	0.0000	OK
180 minute winter	S8.0	92	126.336	0.024	0.8	0.0088	0.0000	OK
180 minute winter	S8.1	92	126.254	0.031	1.3	0.0079	0.0000	OK
180 minute winter	SCP 7-8	96	125.827	0.056	3.7	0.0134	0.0000	OK
180 minute winter	OUTFALL 7-8	96	125.132	-0.618	3.7	0.0581	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S7.0	1.000	S7.1	1.0	0.386	0.069	0.0352	
180 minute winter	S7.1	1.001	SCP 7-8	1.6	0.529	0.111	0.0251	
180 minute winter	S8.0	2.000	S8.1	0.8	0.360	0.055	0.0300	
180 minute winter	S8.1	2.001	SCP 7-8	1.3	0.500	0.090	0.0166	
180 minute winter	SCP 7-8	1.002	OUTFALL 7-8	3.7	0.651	0.255	0.0177	
180 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute winter	OUTFALL 7-8	Infiltration		3.7				

Results for 30 year +40% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S7.0	124	126.336	0.030	1.3	0.0130	0.0000	OK
240 minute summer	S7.1	124	126.256	0.040	2.1	0.0130	0.0000	OK
240 minute summer	S8.0	124	126.339	0.027	1.0	0.0098	0.0000	OK
240 minute summer	S8.1	124	126.258	0.035	1.6	0.0087	0.0000	OK
240 minute summer	SCP 7-8	124	125.834	0.063	4.6	0.0150	0.0000	OK
240 minute summer	OUTFALL 7-8	124	125.140	-0.610	4.5	0.0711	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S7.0	1.000	S7.1	1.3	0.414	0.090	0.0425	
240 minute summer	S7.1	1.001	SCP 7-8	2.1	0.569	0.144	0.0303	
240 minute summer	S8.0	2.000	S8.1	1.0	0.384	0.069	0.0349	
240 minute summer	S8.1	2.001	SCP 7-8	1.6	0.528	0.109	0.0192	
240 minute summer	SCP 7-8	1.002	OUTFALL 7-8	4.5	0.686	0.313	0.0207	
240 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute summer	OUTFALL 7-8	Infiltration		4.5				

Results for 30 year +40% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S7.0	124	126.331	0.025	0.9	0.0108	0.0000	OK
240 minute winter	S7.1	124	126.248	0.032	1.4	0.0106	0.0000	OK
240 minute winter	S8.0	124	126.334	0.022	0.7	0.0083	0.0000	OK
240 minute winter	S8.1	128	126.252	0.029	1.1	0.0072	0.0000	OK
240 minute winter	SCP 7-8	124	125.822	0.051	3.1	0.0121	0.0000	OK
240 minute winter	OUTFALL 7-8	124	125.127	-0.623	3.1	0.0482	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S7.0	1.000	S7.1	0.9	0.379	0.062	0.0320	
240 minute winter	S7.1	1.001	SCP 7-8	1.4	0.508	0.096	0.0226	
240 minute winter	S8.0	2.000	S8.1	0.7	0.351	0.049	0.0269	
240 minute winter	S8.1	2.001	SCP 7-8	1.1	0.477	0.076	0.0148	
240 minute winter	SCP 7-8	1.002	OUTFALL 7-8	3.1	0.620	0.212	0.0155	
240 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute winter	OUTFALL 7-8	Infiltration		3.1				

Results for 30 year +40% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S7.0	184	126.333	0.027	1.0	0.0114	0.0000	OK
360 minute summer	S7.1	184	126.251	0.035	1.6	0.0113	0.0000	OK
360 minute summer	S8.0	184	126.336	0.024	0.8	0.0088	0.0000	OK
360 minute summer	S8.1	184	126.254	0.031	1.3	0.0078	0.0000	OK
360 minute summer	SCP 7-8	184	125.826	0.055	3.6	0.0131	0.0000	OK
360 minute summer	OUTFALL 7-8	184	125.131	-0.619	3.6	0.0555	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S7.0	1.000	S7.1	1.0	0.386	0.069	0.0350	
360 minute summer	S7.1	1.001	SCP 7-8	1.6	0.527	0.110	0.0249	
360 minute summer	S8.0	2.000	S8.1	0.8	0.359	0.055	0.0299	
360 minute summer	S8.1	2.001	SCP 7-8	1.3	0.498	0.089	0.0165	
360 minute summer	SCP 7-8	1.002	OUTFALL 7-8	3.6	0.643	0.244	0.0172	
360 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute summer	OUTFALL 7-8	Infiltration		3.5				

Results for 30 year +40% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S7.0	176	126.327	0.021	0.6	0.0089	0.0000	OK
360 minute winter	S7.1	184	126.243	0.027	1.0	0.0090	0.0000	OK
360 minute winter	S8.0	176	126.331	0.019	0.5	0.0071	0.0000	OK
360 minute winter	S8.1	176	126.248	0.025	0.8	0.0062	0.0000	OK
360 minute winter	SCP 7-8	184	125.815	0.043	2.3	0.0103	0.0000	OK
360 minute winter	OUTFALL 7-8	184	125.120	-0.630	2.3	0.0360	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S7.0	1.000	S7.1	0.6	0.343	0.042	0.0249	
360 minute winter	S7.1	1.001	SCP 7-8	1.0	0.463	0.069	0.0180	
360 minute winter	S8.0	2.000	S8.1	0.5	0.316	0.035	0.0213	
360 minute winter	S8.1	2.001	SCP 7-8	0.8	0.435	0.055	0.0118	
360 minute winter	SCP 7-8	1.002	OUTFALL 7-8	2.3	0.573	0.158	0.0125	
360 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute winter	OUTFALL 7-8	Infiltration		2.3				

Results for 30 year +40% CC 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S7.0	248	126.330	0.024	0.8	0.0102	0.0000	OK
480 minute summer	S7.1	248	126.247	0.031	1.3	0.0102	0.0000	OK
480 minute summer	S8.0	248	126.333	0.021	0.6	0.0077	0.0000	OK
480 minute summer	S8.1	248	126.251	0.027	1.0	0.0069	0.0000	OK
480 minute summer	SCP 7-8	248	125.820	0.049	2.9	0.0117	0.0000	OK
480 minute summer	OUTFALL 7-8	248	125.125	-0.625	2.9	0.0455	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S7.0	1.000	S7.1	0.8	0.361	0.055	0.0302	
480 minute summer	S7.1	1.001	SCP 7-8	1.3	0.500	0.090	0.0216	
480 minute summer	S8.0	2.000	S8.1	0.6	0.328	0.042	0.0247	
480 minute summer	S8.1	2.001	SCP 7-8	1.0	0.464	0.069	0.0138	
480 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.9	0.610	0.199	0.0148	
480 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute summer	OUTFALL 7-8	Infiltration		2.9				

Results for 30 year +40% CC 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
480 minute winter	S7.0	232	126.325	0.019	0.5	0.0082	0.0000	OK
480 minute winter	S7.1	232	126.241	0.025	0.8	0.0080	0.0000	OK
480 minute winter	S8.0	232	126.329	0.017	0.4	0.0063	0.0000	OK
480 minute winter	S8.1	232	126.244	0.021	0.6	0.0053	0.0000	OK
480 minute winter	SCP 7-8	240	125.809	0.038	1.8	0.0090	0.0000	OK
480 minute winter	OUTFALL 7-8	240	125.116	-0.634	1.8	0.0283	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
480 minute winter	S7.0	1.000	S7.1	0.5	0.317	0.035	0.0214	
480 minute winter	S7.1	1.001	SCP 7-8	0.8	0.435	0.056	0.0153	
480 minute winter	S8.0	2.000	S8.1	0.4	0.304	0.028	0.0177	
480 minute winter	S8.1	2.001	SCP 7-8	0.6	0.401	0.041	0.0096	
480 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.8	0.537	0.124	0.0104	
480 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute winter	OUTFALL 7-8	Infiltration		1.8				

Results for 30 year +40% CC 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S7.0	315	126.327	0.021	0.6	0.0089	0.0000	OK
600 minute summer	S7.1	315	126.243	0.027	1.0	0.0090	0.0000	OK
600 minute summer	S8.0	315	126.331	0.019	0.5	0.0071	0.0000	OK
600 minute summer	S8.1	315	126.248	0.025	0.8	0.0062	0.0000	OK
600 minute summer	SCP 7-8	315	125.815	0.043	2.3	0.0103	0.0000	OK
600 minute summer	OUTFALL 7-8	315	125.120	-0.630	2.3	0.0361	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S7.0	1.000	S7.1	0.6	0.329	0.042	0.0249	
600 minute summer	S7.1	1.001	SCP 7-8	1.0	0.463	0.069	0.0180	
600 minute summer	S8.0	2.000	S8.1	0.5	0.316	0.035	0.0213	
600 minute summer	S8.1	2.001	SCP 7-8	0.8	0.435	0.055	0.0118	
600 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.3	0.574	0.158	0.0125	
600 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute summer	OUTFALL 7-8	Infiltration		2.3				

Results for 30 year +40% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S7.0	285	126.323	0.017	0.4	0.0074	0.0000	OK
600 minute winter	S7.1	315	126.239	0.023	0.7	0.0075	0.0000	OK
600 minute winter	S8.0	270	126.327	0.015	0.3	0.0055	0.0000	OK
600 minute winter	S8.1	270	126.243	0.019	0.5	0.0049	0.0000	OK
600 minute winter	SCP 7-8	315	125.806	0.035	1.5	0.0082	0.0000	OK
600 minute winter	OUTFALL 7-8	315	125.113	-0.637	1.5	0.0236	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0190	
600 minute winter	S7.1	1.001	SCP 7-8	0.7	0.419	0.049	0.0139	
600 minute winter	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
600 minute winter	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
600 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.5	0.511	0.103	0.0091	
600 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute winter	OUTFALL 7-8	Infiltration		1.5				

Results for 30 year +40% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute summer	S7.0	360	126.325	0.019	0.5	0.0082	0.0000	OK
720 minute summer	S7.1	360	126.241	0.025	0.8	0.0080	0.0000	OK
720 minute summer	S8.0	360	126.329	0.017	0.4	0.0063	0.0000	OK
720 minute summer	S8.1	375	126.246	0.023	0.7	0.0058	0.0000	OK
720 minute summer	SCP 7-8	375	125.810	0.039	1.9	0.0093	0.0000	OK
720 minute summer	OUTFALL 7-8	375	125.117	-0.633	1.9	0.0298	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute summer	S7.0	1.000	S7.1	0.5	0.317	0.035	0.0214	
720 minute summer	S7.1	1.001	SCP 7-8	0.8	0.435	0.056	0.0153	
720 minute summer	S8.0	2.000	S8.1	0.4	0.304	0.028	0.0189	
720 minute summer	S8.1	2.001	SCP 7-8	0.7	0.419	0.048	0.0107	
720 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.9	0.545	0.131	0.0109	
720 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute summer	OUTFALL 7-8	Infiltration		1.9				

Results for 30 year +40% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S7.0	360	126.323	0.017	0.4	0.0074	0.0000	OK
720 minute winter	S7.1	360	126.237	0.021	0.6	0.0070	0.0000	OK
720 minute winter	S8.0	345	126.327	0.015	0.3	0.0055	0.0000	OK
720 minute winter	S8.1	345	126.243	0.019	0.5	0.0049	0.0000	OK
720 minute winter	SCP 7-8	360	125.804	0.033	1.4	0.0079	0.0000	OK
720 minute winter	OUTFALL 7-8	360	125.112	-0.638	1.4	0.0220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0178	
720 minute winter	S7.1	1.001	SCP 7-8	0.6	0.400	0.042	0.0125	
720 minute winter	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
720 minute winter	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
720 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.4	0.502	0.096	0.0087	
720 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute winter	OUTFALL 7-8	Infiltration		1.4				

Results for 30 year +40% CC 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	S7.0	480	126.323	0.017	0.4	0.0074	0.0000	OK
960 minute summer	S7.1	495	126.239	0.023	0.7	0.0075	0.0000	OK
960 minute summer	S8.0	465	126.327	0.015	0.3	0.0055	0.0000	OK
960 minute summer	S8.1	465	126.243	0.019	0.5	0.0049	0.0000	OK
960 minute summer	SCP 7-8	495	125.806	0.035	1.5	0.0082	0.0000	OK
960 minute summer	OUTFALL 7-8	495	125.113	-0.637	1.5	0.0236	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0190	
960 minute summer	S7.1	1.001	SCP 7-8	0.7	0.419	0.049	0.0139	
960 minute summer	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
960 minute summer	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
960 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.5	0.511	0.103	0.0091	
960 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute summer	OUTFALL 7-8	Infiltration		1.5				

Results for 30 year +40% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S7.0	450	126.321	0.015	0.3	0.0064	0.0000	OK
960 minute winter	S7.1	450	126.236	0.019	0.5	0.0064	0.0000	OK
960 minute winter	S8.0	390	126.324	0.012	0.2	0.0046	0.0000	OK
960 minute winter	S8.1	390	126.238	0.015	0.3	0.0038	0.0000	OK
960 minute winter	SCP 7-8	450	125.799	0.028	1.0	0.0067	0.0000	OK
960 minute winter	OUTFALL 7-8	450	125.109	-0.641	1.0	0.0157	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S7.0	1.000	S7.1	0.3	0.269	0.021	0.0152	
960 minute winter	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
960 minute winter	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
960 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
960 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.456	0.069	0.0068	
960 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute winter	OUTFALL 7-8	Infiltration		1.0				

Results for 30 year +40% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
1440 minute summer	S7.0	720	126.321	0.015	0.3	0.0064	0.0000	OK
1440 minute summer	S7.1	720	126.236	0.019	0.5	0.0064	0.0000	OK
1440 minute summer	S8.0	750	126.327	0.015	0.3	0.0055	0.0000	OK
1440 minute summer	S8.1	750	126.243	0.019	0.5	0.0049	0.0000	OK
1440 minute summer	SCP 7-8	750	125.802	0.031	1.2	0.0073	0.0000	OK
1440 minute summer	OUTFALL 7-8	750	125.111	-0.640	1.2	0.0188	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
1440 minute summer	S7.0	1.000	S7.1	0.3	0.269	0.021	0.0152	
1440 minute summer	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
1440 minute summer	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
1440 minute summer	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
1440 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.2	0.481	0.083	0.0078	
1440 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute summer	OUTFALL 7-8	Infiltration		1.2				

Results for 30 year +40% CC 1440 minute winter. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S7.0	630	126.318	0.012	0.2	0.0053	0.0000	OK
1440 minute winter	S7.1	630	126.231	0.015	0.3	0.0050	0.0000	OK
1440 minute winter	S8.0	690	126.324	0.012	0.2	0.0046	0.0000	OK
1440 minute winter	S8.1	690	126.238	0.015	0.3	0.0038	0.0000	OK
1440 minute winter	SCP 7-8	720	125.796	0.025	0.8	0.0059	0.0000	OK
1440 minute winter	OUTFALL 7-8	720	125.107	-0.643	0.8	0.0126	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S7.0	1.000	S7.1	0.2	0.249	0.014	0.0109	
1440 minute winter	S7.1	1.001	SCP 7-8	0.3	0.326	0.021	0.0077	
1440 minute winter	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
1440 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
1440 minute winter	SCP 7-8	1.002	OUTFALL 7-8	0.8	0.429	0.055	0.0058	
1440 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute winter	OUTFALL 7-8	Infiltration		0.8				

Results for 100 year +45% CC 15 minute summer. 1455 minute analysis at 1 minute timestep. Mass balance: 99.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S7.0	14	126.634	0.328	6.0	0.1404	0.0000	FLOOD RISK
15 minute summer	S7.1	14	126.633	0.417	9.5	0.1363	0.0000	FLOOD RISK
15 minute summer	S8.0	14	126.632	0.320	4.7	0.1181	0.0000	FLOOD RISK
15 minute summer	S8.1	14	126.631	0.408	7.5	0.1024	0.0000	FLOOD RISK
15 minute summer	SCP 7-8	14	126.630	0.859	21.2	0.2035	0.0000	SURCHARGED
15 minute summer	OUTFALL 7-8	14	126.622	0.872	18.8	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S7.0	1.000	S7.1	6.0	0.611	0.412	0.2381	
15 minute summer	S7.1	1.001	SCP 7-8	9.4	0.832	0.652	0.1464	
15 minute summer	S8.0	2.000	S8.1	4.7	0.577	0.324	0.2362	
15 minute summer	S8.1	2.001	SCP 7-8	7.4	0.789	0.509	0.1126	
15 minute summer	SCP 7-8	1.002	OUTFALL 7-8	18.8	1.077	1.293	0.0548	
15 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 100 year +45% CC 15 minute winter. 1455 minute analysis at 1 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S7.0	15	126.608	0.301	5.6	0.1290	0.0000	FLOOD RISK
15 minute winter	S7.1	15	126.606	0.390	8.8	0.1276	0.0000	FLOOD RISK
15 minute winter	S8.0	15	126.606	0.294	4.4	0.1085	0.0000	FLOOD RISK
15 minute winter	S8.1	15	126.605	0.382	6.9	0.0959	0.0000	FLOOD RISK
15 minute winter	SCP 7-8	15	126.604	0.833	19.6	0.1973	0.0000	SURCHARGED
15 minute winter	OUTFALL 7-8	15	126.596	0.846	17.4	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S7.0	1.000	S7.1	5.5	0.605	0.384	0.2381	
15 minute winter	S7.1	1.001	SCP 7-8	8.7	0.818	0.604	0.1464	
15 minute winter	S8.0	2.000	S8.1	4.3	0.568	0.302	0.2362	
15 minute winter	S8.1	2.001	SCP 7-8	6.8	0.774	0.471	0.1126	
15 minute winter	SCP 7-8	1.002	OUTFALL 7-8	17.4	1.002	1.194	0.0548	
15 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
15 minute winter	OUTFALL 7-8	Infiltration		6.4				

Results for 100 year +45% CC 30 minute summer. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S7.0	23	126.676	0.370	5.5	0.1584	0.0000	FLOOD RISK
30 minute summer	S7.1	23	126.675	0.459	8.8	0.1500	0.0000	FLOOD RISK
30 minute summer	S8.0	23	126.675	0.363	4.3	0.1338	0.0000	FLOOD RISK
30 minute summer	S8.1	23	126.674	0.451	6.9	0.1131	0.0000	FLOOD RISK
30 minute summer	SCP 7-8	23	126.672	0.901	19.1	0.2136	0.0000	SURCHARGED
30 minute summer	OUTFALL 7-8	23	126.665	0.915	16.1	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S7.0	1.000	S7.1	5.5	0.601	0.379	0.2381	
30 minute summer	S7.1	1.001	SCP 7-8	8.5	0.813	0.588	0.1464	
30 minute summer	S8.0	2.000	S8.1	4.3	0.564	0.295	0.2362	
30 minute summer	S8.1	2.001	SCP 7-8	6.6	0.768	0.458	0.1126	
30 minute summer	SCP 7-8	1.002	OUTFALL 7-8	16.1	0.961	1.111	0.0548	
30 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 100 year +45% CC 30 minute winter. 1470 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
30 minute winter	S7.0	24	126.609	0.303	4.5	0.1298	0.0000	FLOOD RISK
30 minute winter	S7.1	24	126.608	0.392	7.1	0.1281	0.0000	FLOOD RISK
30 minute winter	S8.0	24	126.607	0.295	3.7	0.1089	0.0000	FLOOD RISK
30 minute winter	S8.1	24	126.606	0.383	5.6	0.0962	0.0000	FLOOD RISK
30 minute winter	SCP 7-8	24	126.605	0.834	15.6	0.1976	0.0000	SURCHARGED
30 minute winter	OUTFALL 7-8	24	126.597	0.847	14.3	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
30 minute winter	S7.0	1.000	S7.1	4.5	0.577	0.312	0.2381	
30 minute winter	S7.1	1.001	SCP 7-8	6.9	0.778	0.481	0.1464	
30 minute winter	S8.0	2.000	S8.1	3.5	0.536	0.243	0.2362	
30 minute winter	S8.1	2.001	SCP 7-8	5.5	0.733	0.378	0.1126	
30 minute winter	SCP 7-8	1.002	OUTFALL 7-8	14.3	0.920	0.986	0.0548	
30 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
30 minute winter	OUTFALL 7-8	Infiltration		6.4				

Results for 100 year +45% CC 60 minute summer. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S7.0	39	126.567	0.261	4.2	0.1118	0.0000	FLOOD RISK
60 minute summer	S7.1	39	126.566	0.350	6.7	0.1143	0.0000	FLOOD RISK
60 minute summer	S8.0	39	126.565	0.253	3.3	0.0935	0.0000	FLOOD RISK
60 minute summer	S8.1	39	126.564	0.341	5.3	0.0856	0.0000	SURCHARGED
60 minute summer	SCP 7-8	39	126.563	0.792	15.4	0.1876	0.0000	SURCHARGED
60 minute summer	OUTFALL 7-8	39	126.555	0.805	13.6	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S7.0	1.000	S7.1	4.2	0.566	0.291	0.2381	
60 minute summer	S7.1	1.001	SCP 7-8	6.9	0.768	0.481	0.1464	
60 minute summer	S8.0	2.000	S8.1	3.3	0.527	0.229	0.2362	
60 minute summer	S8.1	2.001	SCP 7-8	5.4	0.723	0.372	0.1126	
60 minute summer	SCP 7-8	1.002	OUTFALL 7-8	13.6	0.903	0.936	0.0548	
60 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 100 year +45% CC 60 minute winter. 1500 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S7.0	41	126.388	0.082	3.0	0.0352	0.0000	OK
60 minute winter	S7.1	41	126.387	0.171	4.8	0.0559	0.0000	SURCHARGED
60 minute winter	S8.0	41	126.387	0.075	2.4	0.0275	0.0000	OK
60 minute winter	S8.1	41	126.386	0.163	3.8	0.0408	0.0000	SURCHARGED
60 minute winter	SCP 7-8	41	126.384	0.613	10.8	0.1453	0.0000	SURCHARGED
60 minute winter	OUTFALL 7-8	41	126.377	0.627	10.5	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S7.0	1.000	S7.1	3.0	0.519	0.208	0.1859	
60 minute winter	S7.1	1.001	SCP 7-8	4.8	0.711	0.335	0.1464	
60 minute winter	S8.0	2.000	S8.1	2.4	0.489	0.166	0.1767	
60 minute winter	S8.1	2.001	SCP 7-8	3.8	0.669	0.262	0.1126	
60 minute winter	SCP 7-8	1.002	OUTFALL 7-8	10.5	0.833	0.720	0.0548	
60 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
60 minute winter	OUTFALL 7-8	Infiltration		6.4				

Results for 100 year +45% CC 120 minute summer. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S7.0	64	126.350	0.044	2.7	0.0187	0.0000	OK
120 minute summer	S7.1	64	126.275	0.059	4.3	0.0193	0.0000	OK
120 minute summer	S8.0	64	126.351	0.039	2.1	0.0142	0.0000	OK
120 minute summer	S8.1	64	126.274	0.051	3.3	0.0129	0.0000	OK
120 minute summer	SCP 7-8	70	126.069	0.298	9.5	0.0707	0.0000	SURCHARGED
120 minute summer	OUTFALL 7-8	70	126.062	0.312	9.5	1.4409	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S7.0	1.000	S7.1	2.7	0.506	0.187	0.0725	
120 minute summer	S7.1	1.001	SCP 7-8	4.3	0.692	0.299	0.0517	
120 minute summer	S8.0	2.000	S8.1	2.1	0.474	0.146	0.0597	
120 minute summer	S8.1	2.001	SCP 7-8	3.3	0.644	0.227	0.0328	
120 minute summer	SCP 7-8	1.002	OUTFALL 7-8	9.5	0.817	0.653	0.0548	
120 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute summer	OUTFALL 7-8	Infiltration		6.4				

Results for 100 year +45% CC 120 minute winter. 1560 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S7.0	64	126.342	0.036	1.8	0.0153	0.0000	OK
120 minute winter	S7.1	64	126.264	0.048	2.9	0.0156	0.0000	OK
120 minute winter	S8.0	64	126.344	0.031	1.4	0.0116	0.0000	OK
120 minute winter	S8.1	64	126.265	0.042	2.3	0.0106	0.0000	OK
120 minute winter	SCP 7-8	64	125.849	0.078	6.5	0.0185	0.0000	OK
120 minute winter	OUTFALL 7-8	70	125.346	-0.404	6.5	0.4429	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S7.0	1.000	S7.1	1.8	0.452	0.125	0.0541	
120 minute winter	S7.1	1.001	SCP 7-8	2.9	0.623	0.201	0.0387	
120 minute winter	S8.0	2.000	S8.1	1.4	0.425	0.097	0.0453	
120 minute winter	S8.1	2.001	SCP 7-8	2.3	0.585	0.158	0.0252	
120 minute winter	SCP 7-8	1.002	OUTFALL 7-8	6.5	0.752	0.447	0.0269	
120 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
120 minute winter	OUTFALL 7-8	Infiltration		5.9				

Results for 100 year +45% CC 180 minute summer. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S7.0	96	126.344	0.038	2.0	0.0161	0.0000	OK
180 minute summer	S7.1	96	126.266	0.050	3.2	0.0164	0.0000	OK
180 minute summer	S8.0	96	126.345	0.033	1.5	0.0120	0.0000	OK
180 minute summer	S8.1	96	126.266	0.043	2.4	0.0109	0.0000	OK
180 minute summer	SCP 7-8	96	125.853	0.082	7.0	0.0194	0.0000	OK
180 minute summer	OUTFALL 7-8	100	125.466	-0.284	7.0	0.6588	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S7.0	1.000	S7.1	2.0	0.467	0.138	0.0583	
180 minute summer	S7.1	1.001	SCP 7-8	3.2	0.640	0.222	0.0416	
180 minute summer	S8.0	2.000	S8.1	1.5	0.430	0.104	0.0470	
180 minute summer	S8.1	2.001	SCP 7-8	2.4	0.592	0.165	0.0259	
180 minute summer	SCP 7-8	1.002	OUTFALL 7-8	7.0	0.765	0.482	0.0285	
180 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute summer	OUTFALL 7-8	Infiltration		6.0				

Results for 100 year +45% CC 180 minute winter. 1620 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S7.0	92	126.336	0.030	1.3	0.0130	0.0000	OK
180 minute winter	S7.1	92	126.256	0.040	2.1	0.0131	0.0000	OK
180 minute winter	S8.0	96	126.340	0.028	1.1	0.0103	0.0000	OK
180 minute winter	S8.1	96	126.259	0.036	1.7	0.0091	0.0000	OK
180 minute winter	SCP 7-8	96	125.836	0.065	4.8	0.0155	0.0000	OK
180 minute winter	OUTFALL 7-8	96	125.142	-0.608	4.8	0.0754	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S7.0	1.000	S7.1	1.3	0.414	0.090	0.0427	
180 minute winter	S7.1	1.001	SCP 7-8	2.1	0.571	0.146	0.0306	
180 minute winter	S8.0	2.000	S8.1	1.1	0.401	0.076	0.0370	
180 minute winter	S8.1	2.001	SCP 7-8	1.7	0.538	0.117	0.0202	
180 minute winter	SCP 7-8	1.002	OUTFALL 7-8	4.8	0.696	0.330	0.0215	
180 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
180 minute winter	OUTFALL 7-8	Infiltration		4.8				

Results for 100 year +45% CC 240 minute summer. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S7.0	124	126.340	0.034	1.6	0.0144	0.0000	OK
240 minute summer	S7.1	124	126.261	0.045	2.6	0.0146	0.0000	OK
240 minute summer	S8.0	124	126.342	0.030	1.3	0.0112	0.0000	OK
240 minute summer	S8.1	124	126.263	0.040	2.1	0.0101	0.0000	OK
240 minute summer	SCP 7-8	124	125.844	0.073	5.9	0.0173	0.0000	OK
240 minute summer	OUTFALL 7-8	124	125.151	-0.599	5.8	0.0924	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S7.0	1.000	S7.1	1.6	0.437	0.110	0.0496	
240 minute summer	S7.1	1.001	SCP 7-8	2.6	0.603	0.179	0.0355	
240 minute summer	S8.0	2.000	S8.1	1.3	0.412	0.090	0.0423	
240 minute summer	S8.1	2.001	SCP 7-8	2.1	0.569	0.143	0.0234	
240 minute summer	SCP 7-8	1.002	OUTFALL 7-8	5.8	0.731	0.401	0.0249	
240 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute summer	OUTFALL 7-8	Infiltration		5.7				

Results for 100 year +45% CC 240 minute winter. 1680 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S7.0	124	126.334	0.028	1.1	0.0120	0.0000	OK
240 minute winter	S7.1	124	126.252	0.036	1.7	0.0118	0.0000	OK
240 minute winter	S8.0	124	126.337	0.025	0.9	0.0093	0.0000	OK
240 minute winter	S8.1	124	126.255	0.032	1.4	0.0081	0.0000	OK
240 minute winter	SCP 7-8	124	125.829	0.058	3.9	0.0137	0.0000	OK
240 minute winter	OUTFALL 7-8	124	125.134	-0.616	3.9	0.0608	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S7.0	1.000	S7.1	1.1	0.402	0.076	0.0372	
240 minute winter	S7.1	1.001	SCP 7-8	1.7	0.538	0.118	0.0263	
240 minute winter	S8.0	2.000	S8.1	0.9	0.378	0.062	0.0319	
240 minute winter	S8.1	2.001	SCP 7-8	1.4	0.509	0.095	0.0174	
240 minute winter	SCP 7-8	1.002	OUTFALL 7-8	3.9	0.659	0.267	0.0184	
240 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
240 minute winter	OUTFALL 7-8	Infiltration		3.9				

Results for 100 year +45% CC 360 minute summer. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S7.0	184	126.335	0.029	1.2	0.0125	0.0000	OK
360 minute summer	S7.1	184	126.254	0.038	1.9	0.0124	0.0000	OK
360 minute summer	S8.0	184	126.339	0.027	1.0	0.0098	0.0000	OK
360 minute summer	S8.1	184	126.258	0.035	1.6	0.0087	0.0000	OK
360 minute summer	SCP 7-8	184	125.833	0.062	4.4	0.0146	0.0000	OK
360 minute summer	OUTFALL 7-8	184	125.138	-0.612	4.4	0.0681	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S7.0	1.000	S7.1	1.2	0.408	0.083	0.0399	
360 minute summer	S7.1	1.001	SCP 7-8	1.9	0.554	0.131	0.0283	
360 minute summer	S8.0	2.000	S8.1	1.0	0.384	0.069	0.0348	
360 minute summer	S8.1	2.001	SCP 7-8	1.6	0.527	0.109	0.0192	
360 minute summer	SCP 7-8	1.002	OUTFALL 7-8	4.4	0.679	0.300	0.0200	
360 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute summer	OUTFALL 7-8	Infiltration		4.3				

Results for 100 year +45% CC 360 minute winter. 1800 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S7.0	184	126.330	0.024	0.8	0.0102	0.0000	OK
360 minute winter	S7.1	184	126.247	0.031	1.3	0.0102	0.0000	OK
360 minute winter	S8.0	176	126.333	0.021	0.6	0.0077	0.0000	OK
360 minute winter	S8.1	184	126.251	0.027	1.0	0.0069	0.0000	OK
360 minute winter	SCP 7-8	184	125.820	0.049	2.9	0.0117	0.0000	OK
360 minute winter	OUTFALL 7-8	184	125.125	-0.625	2.9	0.0455	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S7.0	1.000	S7.1	0.8	0.361	0.055	0.0302	
360 minute winter	S7.1	1.001	SCP 7-8	1.3	0.500	0.090	0.0216	
360 minute winter	S8.0	2.000	S8.1	0.6	0.342	0.042	0.0247	
360 minute winter	S8.1	2.001	SCP 7-8	1.0	0.464	0.069	0.0138	
360 minute winter	SCP 7-8	1.002	OUTFALL 7-8	2.9	0.610	0.199	0.0148	
360 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
360 minute winter	OUTFALL 7-8	Infiltration		2.9				

Results for 100 year +45% CC 480 minute summer. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S7.0	248	126.333	0.027	1.0	0.0114	0.0000	OK
480 minute summer	S7.1	248	126.251	0.035	1.6	0.0114	0.0000	OK
480 minute summer	S8.0	248	126.336	0.024	0.8	0.0088	0.0000	OK
480 minute summer	S8.1	248	126.254	0.031	1.3	0.0079	0.0000	OK
480 minute summer	SCP 7-8	248	125.827	0.056	3.6	0.0132	0.0000	OK
480 minute summer	OUTFALL 7-8	248	125.131	-0.619	3.6	0.0565	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S7.0	1.000	S7.1	1.0	0.386	0.069	0.0352	
480 minute summer	S7.1	1.001	SCP 7-8	1.6	0.529	0.111	0.0251	
480 minute summer	S8.0	2.000	S8.1	0.8	0.359	0.055	0.0300	
480 minute summer	S8.1	2.001	SCP 7-8	1.3	0.500	0.090	0.0166	
480 minute summer	SCP 7-8	1.002	OUTFALL 7-8	3.6	0.646	0.248	0.0174	
480 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute summer	OUTFALL 7-8	Infiltration		3.6				

Results for 100 year +45% CC 480 minute winter. 1920 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S7.0	248	126.328	0.022	0.7	0.0096	0.0000	OK
480 minute winter	S7.1	248	126.245	0.029	1.1	0.0094	0.0000	OK
480 minute winter	S8.0	232	126.331	0.019	0.5	0.0071	0.0000	OK
480 minute winter	S8.1	232	126.248	0.025	0.8	0.0062	0.0000	OK
480 minute winter	SCP 7-8	248	125.816	0.044	2.4	0.0105	0.0000	OK
480 minute winter	OUTFALL 7-8	248	125.121	-0.629	2.4	0.0377	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S7.0	1.000	S7.1	0.7	0.352	0.048	0.0270	
480 minute winter	S7.1	1.001	SCP 7-8	1.1	0.476	0.076	0.0192	
480 minute winter	S8.0	2.000	S8.1	0.5	0.316	0.035	0.0213	
480 minute winter	S8.1	2.001	SCP 7-8	0.8	0.435	0.055	0.0118	
480 minute winter	SCP 7-8	1.002	OUTFALL 7-8	2.4	0.580	0.165	0.0129	
480 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
480 minute winter	OUTFALL 7-8	Infiltration		2.4				

Results for 100 year +45% CC 600 minute summer. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S7.0	315	126.330	0.024	0.8	0.0102	0.0000	OK
600 minute summer	S7.1	315	126.247	0.031	1.3	0.0102	0.0000	OK
600 minute summer	S8.0	315	126.333	0.021	0.6	0.0077	0.0000	OK
600 minute summer	S8.1	315	126.251	0.027	1.0	0.0069	0.0000	OK
600 minute summer	SCP 7-8	315	125.820	0.049	2.9	0.0117	0.0000	OK
600 minute summer	OUTFALL 7-8	315	125.125	-0.625	2.9	0.0455	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S7.0	1.000	S7.1	0.8	0.360	0.055	0.0302	
600 minute summer	S7.1	1.001	SCP 7-8	1.3	0.500	0.090	0.0216	
600 minute summer	S8.0	2.000	S8.1	0.6	0.328	0.042	0.0247	
600 minute summer	S8.1	2.001	SCP 7-8	1.0	0.464	0.069	0.0138	
600 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.9	0.610	0.199	0.0148	
600 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute summer	OUTFALL 7-8	Infiltration		2.9				

Results for 100 year +45% CC 600 minute winter. 2040 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S7.0	285	126.325	0.019	0.5	0.0082	0.0000	OK
600 minute winter	S7.1	285	126.241	0.025	0.8	0.0080	0.0000	OK
600 minute winter	S8.0	285	126.329	0.017	0.4	0.0063	0.0000	OK
600 minute winter	S8.1	315	126.246	0.023	0.7	0.0058	0.0000	OK
600 minute winter	SCP 7-8	315	125.810	0.039	1.9	0.0093	0.0000	OK
600 minute winter	OUTFALL 7-8	315	125.117	-0.633	1.9	0.0298	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S7.0	1.000	S7.1	0.5	0.317	0.035	0.0214	
600 minute winter	S7.1	1.001	SCP 7-8	0.8	0.435	0.056	0.0153	
600 minute winter	S8.0	2.000	S8.1	0.4	0.304	0.028	0.0189	
600 minute winter	S8.1	2.001	SCP 7-8	0.7	0.419	0.048	0.0107	
600 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.9	0.545	0.131	0.0109	
600 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
600 minute winter	OUTFALL 7-8	Infiltration		1.9				

Results for 100 year +45% CC 720 minute summer. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
720 minute summer	S7.0	375	126.328	0.022	0.7	0.0096	0.0000	OK
720 minute summer	S7.1	375	126.245	0.029	1.1	0.0094	0.0000	OK
720 minute summer	S8.0	375	126.333	0.021	0.6	0.0077	0.0000	OK
720 minute summer	S8.1	375	126.249	0.026	0.9	0.0065	0.0000	OK
720 minute summer	SCP 7-8	375	125.817	0.045	2.5	0.0108	0.0000	OK
720 minute summer	OUTFALL 7-8	375	125.122	-0.628	2.5	0.0393	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
720 minute summer	S7.0	1.000	S7.1	0.7	0.352	0.048	0.0270	
720 minute summer	S7.1	1.001	SCP 7-8	1.1	0.476	0.076	0.0192	
720 minute summer	S8.0	2.000	S8.1	0.6	0.342	0.042	0.0236	
720 minute summer	S8.1	2.001	SCP 7-8	0.9	0.450	0.062	0.0128	
720 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.5	0.587	0.172	0.0133	
720 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute summer	OUTFALL 7-8	Infiltration		2.5				

Results for 100 year +45% CC 720 minute winter. 2160 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S7.0	360	126.325	0.019	0.5	0.0082	0.0000	OK
720 minute winter	S7.1	360	126.241	0.025	0.8	0.0080	0.0000	OK
720 minute winter	S8.0	360	126.329	0.017	0.4	0.0063	0.0000	OK
720 minute winter	S8.1	360	126.244	0.021	0.6	0.0053	0.0000	OK
720 minute winter	SCP 7-8	360	125.808	0.037	1.7	0.0088	0.0000	OK
720 minute winter	OUTFALL 7-8	360	125.115	-0.635	1.7	0.0267	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S7.0	1.000	S7.1	0.5	0.317	0.035	0.0214	
720 minute winter	S7.1	1.001	SCP 7-8	0.8	0.435	0.056	0.0153	
720 minute winter	S8.0	2.000	S8.1	0.4	0.304	0.028	0.0177	
720 minute winter	S8.1	2.001	SCP 7-8	0.6	0.401	0.041	0.0096	
720 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.7	0.529	0.117	0.0100	
720 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
720 minute winter	OUTFALL 7-8	Infiltration		1.7				

Results for 100 year +45% CC 960 minute summer. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S7.0	495	126.327	0.021	0.6	0.0089	0.0000	OK
960 minute summer	S7.1	495	126.242	0.026	0.9	0.0085	0.0000	OK
960 minute summer	S8.0	495	126.331	0.019	0.5	0.0071	0.0000	OK
960 minute summer	S8.1	495	126.248	0.025	0.8	0.0062	0.0000	OK
960 minute summer	SCP 7-8	495	125.812	0.041	2.1	0.0098	0.0000	OK
960 minute summer	OUTFALL 7-8	495	125.118	-0.632	2.1	0.0330	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S7.0	1.000	S7.1	0.6	0.343	0.042	0.0238	
960 minute summer	S7.1	1.001	SCP 7-8	0.9	0.450	0.063	0.0167	
960 minute summer	S8.0	2.000	S8.1	0.5	0.316	0.035	0.0213	
960 minute summer	S8.1	2.001	SCP 7-8	0.8	0.435	0.055	0.0118	
960 minute summer	SCP 7-8	1.002	OUTFALL 7-8	2.1	0.560	0.144	0.0117	
960 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute summer	OUTFALL 7-8	Infiltration		2.1				

Results for 100 year +45% CC 960 minute winter. 2400 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S7.0	465	126.323	0.017	0.4	0.0074	0.0000	OK
960 minute winter	S7.1	465	126.237	0.021	0.6	0.0070	0.0000	OK
960 minute winter	S8.0	435	126.327	0.015	0.3	0.0055	0.0000	OK
960 minute winter	S8.1	435	126.243	0.019	0.5	0.0049	0.0000	OK
960 minute winter	SCP 7-8	465	125.804	0.033	1.4	0.0079	0.0000	OK
960 minute winter	OUTFALL 7-8	465	125.112	-0.638	1.4	0.0220	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0178	
960 minute winter	S7.1	1.001	SCP 7-8	0.6	0.400	0.042	0.0125	
960 minute winter	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
960 minute winter	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
960 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.4	0.502	0.096	0.0087	
960 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
960 minute winter	OUTFALL 7-8	Infiltration		1.4				

Results for 100 year +45% CC 1440 minute summer. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S7.0	720	126.323	0.017	0.4	0.0074	0.0000	OK
1440 minute summer	S7.1	750	126.239	0.023	0.7	0.0075	0.0000	OK
1440 minute summer	S8.0	720	126.327	0.015	0.3	0.0055	0.0000	OK
1440 minute summer	S8.1	720	126.243	0.019	0.5	0.0049	0.0000	OK
1440 minute summer	SCP 7-8	750	125.806	0.035	1.5	0.0082	0.0000	OK
1440 minute summer	OUTFALL 7-8	750	125.113	-0.637	1.5	0.0236	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S7.0	1.000	S7.1	0.4	0.305	0.028	0.0190	
1440 minute summer	S7.1	1.001	SCP 7-8	0.7	0.419	0.049	0.0139	
1440 minute summer	S8.0	2.000	S8.1	0.3	0.269	0.021	0.0151	
1440 minute summer	S8.1	2.001	SCP 7-8	0.5	0.380	0.034	0.0084	
1440 minute summer	SCP 7-8	1.002	OUTFALL 7-8	1.5	0.511	0.103	0.0091	
1440 minute summer	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute summer	OUTFALL 7-8	Infiltration		1.5				

Results for 100 year +45% CC 1440 minute winter. 2880 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S7.0	690	126.321	0.015	0.3	0.0064	0.0000	OK
1440 minute winter	S7.1	690	126.236	0.019	0.5	0.0064	0.0000	OK
1440 minute winter	S8.0	600	126.324	0.012	0.2	0.0046	0.0000	OK
1440 minute winter	S8.1	600	126.238	0.015	0.3	0.0038	0.0000	OK
1440 minute winter	SCP 7-8	690	125.799	0.028	1.0	0.0067	0.0000	OK
1440 minute winter	OUTFALL 7-8	690	125.109	-0.641	1.0	0.0157	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S7.0	1.000	S7.1	0.3	0.269	0.021	0.0152	
1440 minute winter	S7.1	1.001	SCP 7-8	0.5	0.379	0.035	0.0110	
1440 minute winter	S8.0	2.000	S8.1	0.2	0.249	0.014	0.0108	
1440 minute winter	S8.1	2.001	SCP 7-8	0.3	0.327	0.021	0.0059	
1440 minute winter	SCP 7-8	1.002	OUTFALL 7-8	1.0	0.456	0.069	0.0068	
1440 minute winter	OUTFALL 7-8	Head/Flow		0.0				0.0
1440 minute winter	OUTFALL 7-8	Infiltration		1.0				