

Horizon Agricultural Machinery Ltd.

Proposed Agricultural Development,
Holbeach Drove Gate, Holbeach,
South Holland, Lincolnshire, PE12 0PX

Drainage & Maintenance Strategy

10th January 2024

T. R. Stafford
Senior Partner

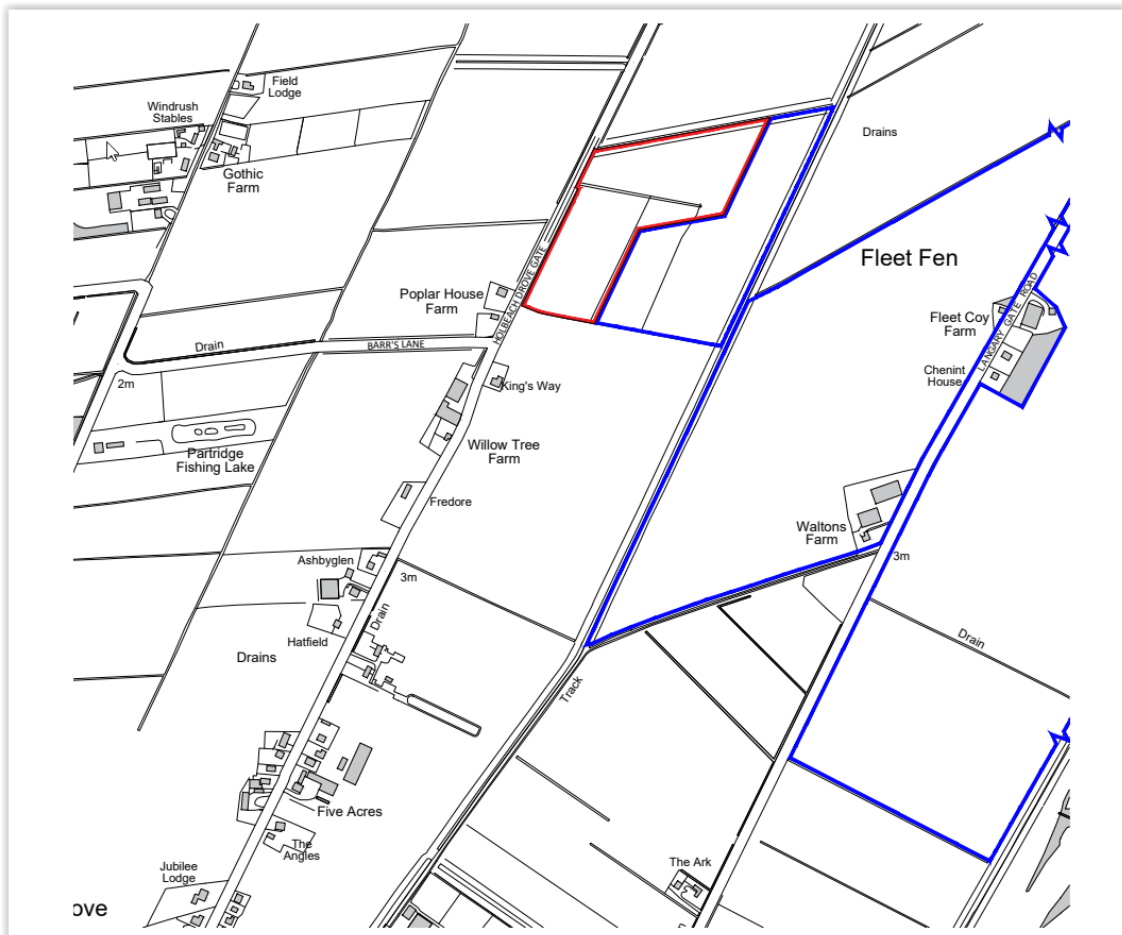
DRAINAGE STRATEGY

SUMMARY

Further to instruction from Horizon Agricultural Machinery Limited, Stafford Infrastructure Engineering [SIE] have undertaken an assessment of the data provided for the infrastructure design on the above site, and following receipt of the topographical site survey, soils investigation report, preliminary planning layout 1411-3_PL_SP02A and other relevant data, please find below our assessment of the infrastructure design that is proposed for this development.

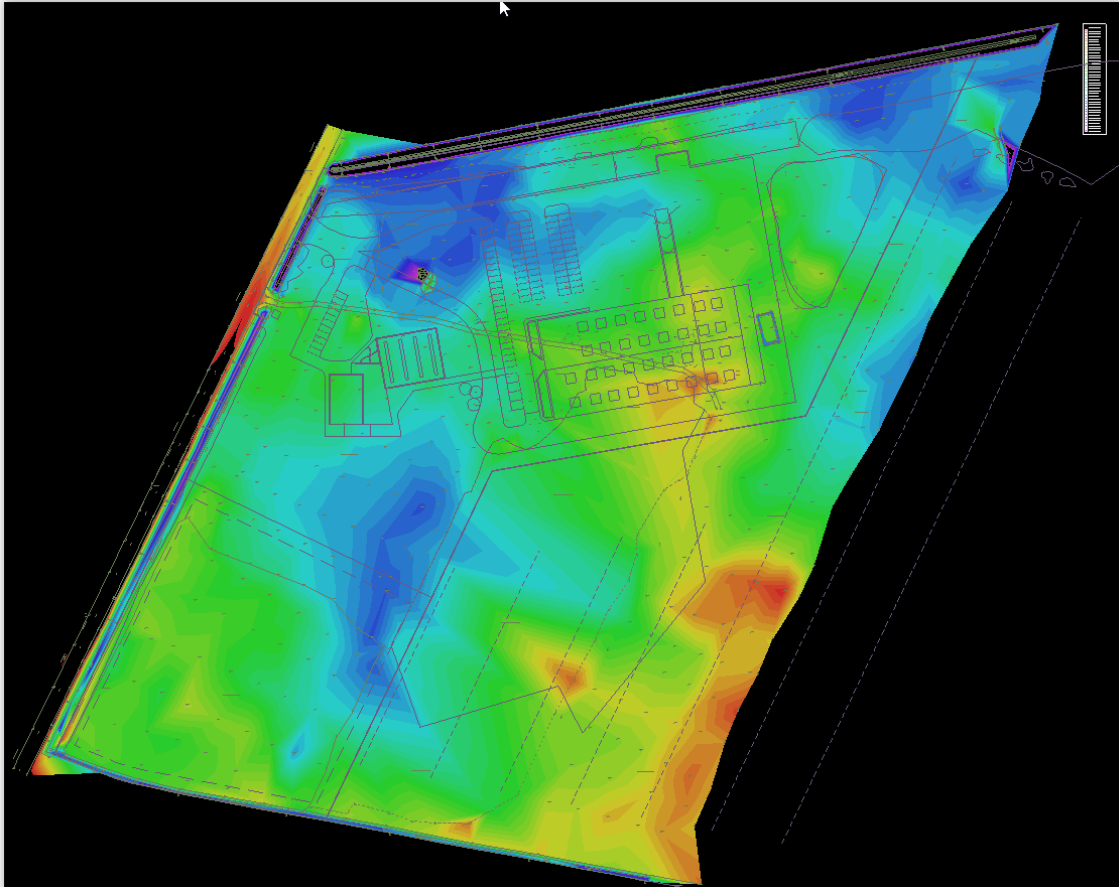
THE SITE

This site [edged Red] is approximately 4.939ha and sits to the east of Holbeach Drove Gate, south of Holbeach, in Lincolnshire.



Location Plan

Continued



Coloured survey level drawing with outline of proposed development layout

The site is generally flat at an average of around 1.3mOD with some slight depressions and elevated areas ranging between 0.8 and 2.1mOD respectively.

The average existing ground level under the main building is almost 1.6m. We propose the FFL for this building be set at 1.6mOD.

The existing ground under the medium and small buildings is lower, at 1.25mOD and 1.3mOD respectively, but the FFL's of these units will also need to be set at 1.6mOD to ensure the surface water drainage system can work.

Continued



Planning Layout



The site is within the South Holland IDB area and the existing and proposed surface water discharge from the site will be directed into the High Priority watercourse [DRN196P2901] running east along the northern site boundary.

SURFACE WATER DISPOSAL

The soils have no soakage potential.
Percolation is therefore not an option.

The SHIDB watercourse on the northern boundary of the site falls to the east with a bed level of around -0.99mOD at the proposed point of outfall.

We propose, with IDB approval, to put the site outfall at the location shown on attached drawing 9078-107.

Connection to the ditch +300mm up, i.e. -0.69mOD will make the bed of the pond 0.00mOD, with the majority of the top of the banks at the natural ground level of 1.3mOD. This will ensure it is capable of holding a 1m depth of water with a minimum of 300mm of freeboard.

Where possible, the new surface areas will be permeable or drain to swales that discharge to the pond.

Roof runoff will be piped to the ponds directly or into the permeable sub-base as this is considered clean runoff.

All permeable pavements will have granular sub-base providing SuDs source control and storage utilising a 30% void ratio aggregate.

These permeable pavements will be lined to form tank[s].

Greenfield runoff values for QBar result in a 6.89l/s discharge rate.
See attached HR Wallingford Greenfield runoff calcs.

IDB requirements are that we discharge no more than 1.4l/s/ha and as the site is 4.939ha this would be 6.91l/s.

We propose to use the slightly lower greenfield rate of 6.89l/s
Please see attached Flow calculations using FEH rainfall and 6% urban creep.

The pond indicated on the drawings has capacity in excess of the 100yr+40% climate change event requirement providing 1,511cum of attenuation at 1m depth.

Continued

The proposed permeable areas add up to 5379sqm [not including urban creep] using a minimum of 300mm suitable stone with a 30% void ratio would give a further $5379 \times 0.3 \times 0.3 = 484\text{cum}$ of source-controlled storage, bringing the total to $1511 + 484 = 1995\text{cum}$ which is more than necessary.

The loading dock will be drained using a small sump pump which will be discharged into the pond after first passing through an oil interceptor and a non-return valve.

The final design will be discussed with the IDB and refined to ensure compliance and make the most of the SuDs Management Train on the site.

FOUL WATER DISPOSAL

There is no viable adopted system to cater for the foul discharge, so we proposed to install a suitably sized sewage treatment plant and use an effluent pump to carry the treated water into the adjacent watercourse, all with IDB approval.

As commercial sites usually have very little by way of foul water discharge, it is not envisaged that any major problems will arise.

Continued

MAINTENANCE STRATEGY

Maintenance Responsibility

1. All pipes, manholes, swales, ponds, and underdrains will be maintained by the owner occupier.
2. The existing open watercourse to the east will continue to be maintained by South Holland IDB.

Recommended Private Area Maintenance Requirements

Proposed Permeable access areas

All permeable areas are to be swept quarterly to clear leaves and to ensure they are clean, tidy, and free from dust and debris.

At times of sweeping, inspections to take place to assess any damage to road, kerbs, lighting etc., and any maintenance carried out to ensure user safety is maintained.

Areas of permeable paving are to be maintained in accordance with CIRIA guidelines.

It should be noted that vacuum sweeping of any permeable areas should not be carried out unless it is proposed to immediately replace the grit removed.

Any grit loss should immediately be replaced to prevent deterioration of the surface courses.

Existing Non-Permeable access areas

It is also recommended that these areas and their attendant drainage systems including swales are also regularly cleaned and checked for blockages.

Continued

General Drainage Areas

A system of regular inspections should be established. Initially these inspections should be carried out in October and March, however, this may be modified to suit observations over time.

Items to be observed and cleared are high levels of grit, leaves, and other such detritus.

The main aim of these inspections will be to prevent siltation of the surface water system, which, if allowed to develop will reduce the effectiveness of the system and may, over time, reduce the attenuation volumes provided.

The following elements should be inspected and cleaned as part of this preventative routine:

Chambers, particularly catchpits

Headwalls and control chambers

Gullies and channels

Landscape

Generally, watercourses and ponds should be cut and maintained regularly so that grass remains reasonably short, chambers and headwalls to be always kept free of silt and debris. Maintenance of the ditch is NOT to be carried out if it is full or if the depth of standing water in the main channel exceeds 300mm.

Please refer to schedules below.

Additional Maintenance Requirements

It is suggested that all new employees are informed of the use and function of the surface water system at induction.

No loose materials such as soils or sand etc. shall be stockpiled directly on the permeable surfaces.

It is further recommended that the 'Bag it and Bin it' leaflet is handed to new employees to ensure unsuitable items are not flushed into the foul drainage system.

Continued

Operation and Maintenance Requirements for Permeable Pavements [CIRIA]

TABLE 20.15 Operation and maintenance requirements for pervious pavements

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations – pay particular attention to areas where water runs onto pervious surface from adjacent impermeable areas as this area is most likely to collect the most sediment
Occasional maintenance	Stabilise and mow contributing and adjacent areas	As required
	Removal of weeds or management using glyphosate applied directly into the weeds by an applicator rather than spraying	As required – once per year on less frequently used pavements
Remedial Actions	Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50 mm of the level of the paving	As required
	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users, and replace lost jointing material	As required
	Rehabilitation of surface and upper substructure by remedial sweeping	Every 10 to 15 years or as required (if infiltration performance is reduced due to significant clogging)
Monitoring	Initial inspection	Monthly for three months after installation
	Inspect for evidence of poor operation and/or weed growth – if required, take remedial action	Three-monthly, 48 h after large storms in first six months
	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor inspection chambers	Annually



Operation and Maintenance Requirements for Detention Basins [CIRIA]

TABLE 22.1 Operation and maintenance requirements for detention basins		
Maintenance schedule	Required action	Typical frequency
Regular maintenance	Remove litter and debris	Monthly
	Cut grass – for spillways and access routes	Monthly (during growing season), or as required
	Cut grass – meadow grass in and around basin	Half yearly (spring – before nesting season, and autumn)
	Manage other vegetation and remove nuisance plants	Monthly (at start, then as required)
	Inspect inlets, outlets and overflows for blockages, and clear if required.	Monthly
	Inspect banksides, structures, pipework etc for evidence of physical damage	Monthly
	Inspect inlets and facility surface for silt accumulation. Establish appropriate silt removal frequencies.	Monthly (for first year), then annually or as required
	Check any penstocks and other mechanical devices	Annually
	Tidy all dead growth before start of growing season	Annually
	Remove sediment from inlets, outlet and forebay	Annually (or as required)
	Manage wetland plants in outlet pool – where provided	Annually (as set out in Chapter 23)
Occasional maintenance	Reseed areas of poor vegetation growth	As required
	Prune and trim any trees and remove cuttings	Every 2 years, or as required
	Remove sediment from inlets, outlets, forebay and main basin when required	Every 5 years, or as required (likely to be minimal requirements where effective upstream source control is provided)
Remedial actions	Repair erosion or other damage by reseeding or re-turfing	As required
	Realignment of rip-rap	As required
	Repair/rehabilitation of inlets, outlets and overflows	As required
	Relevel uneven surfaces and reinstate design levels	As required

Operation and Maintenance Requirements for Swales [CIRIA]

TABLE 17.1 Operation and maintenance requirements for swales

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Remove litter and debris	Monthly, or as required
	Cut grass – to retain grass height within specified design range	Monthly (during growing season), or as required
	Manage other vegetation and remove nuisance plants	Monthly at start, then as required
	Inspect inlets, outlets and overflows for blockages, and clear if required	Monthly
	Inspect infiltration surfaces for ponding, compaction, silt accumulation, record areas where water is ponding for > 48 hours	Monthly, or when required
	Inspect vegetation coverage	Monthly for 6 months, quarterly for 2 years, then half yearly
	Inspect inlets and facility surface for silt accumulation, establish appropriate silt removal frequencies	Half yearly
Occasional maintenance	Reseed areas of poor vegetation growth, alter plant types to better suit conditions, if required	As required or if bare soil is exposed over 10% or more of the swale treatment area
Remedial actions	Repair erosion or other damage by re-turfing or reseeded	As required
	Relevel uneven surfaces and reinstate design levels	As required
	Scarify and spike topsoil layer to improve infiltration performance, break up silt deposits and prevent compaction of the soil surface	As required
	Remove build-up of sediment on upstream gravel trench, flow spreader or at top of filter strip	As required
	Remove and dispose of oils or petrol residues using safe standard practices	As required

Operation and Maintenance Requirements for Receiving Ordinary Watercourse

Maintenance Schedule	Required Action	Typical Frequency
Regular Maintenance	Walkover inspection of receiving ordinary watercourse	6 monthly (or as required)
	Maintenance dredge the receiving ordinary watercourse from the Control headwall Weir to the confluence with the main channel to remove silt build up and restore design bed level	First maintenance dredge on completion of SuDS swales and then 5-yearly (or as required)
	Vegetation is to be cut annually as a minimum.	Annually

**9078-107 DRAINAGE PLAN
and
9078-109 DRAINAGE AREAS**

This schedule is provided to assist the principle contractor to determine appropriate working practices & plant requirements during the construction phase & should be included in the Health & Safety Plan File.

The schedule indicates the principle hazards that could not be wholly eliminated by the design team or the contractor in the layout of the construction.

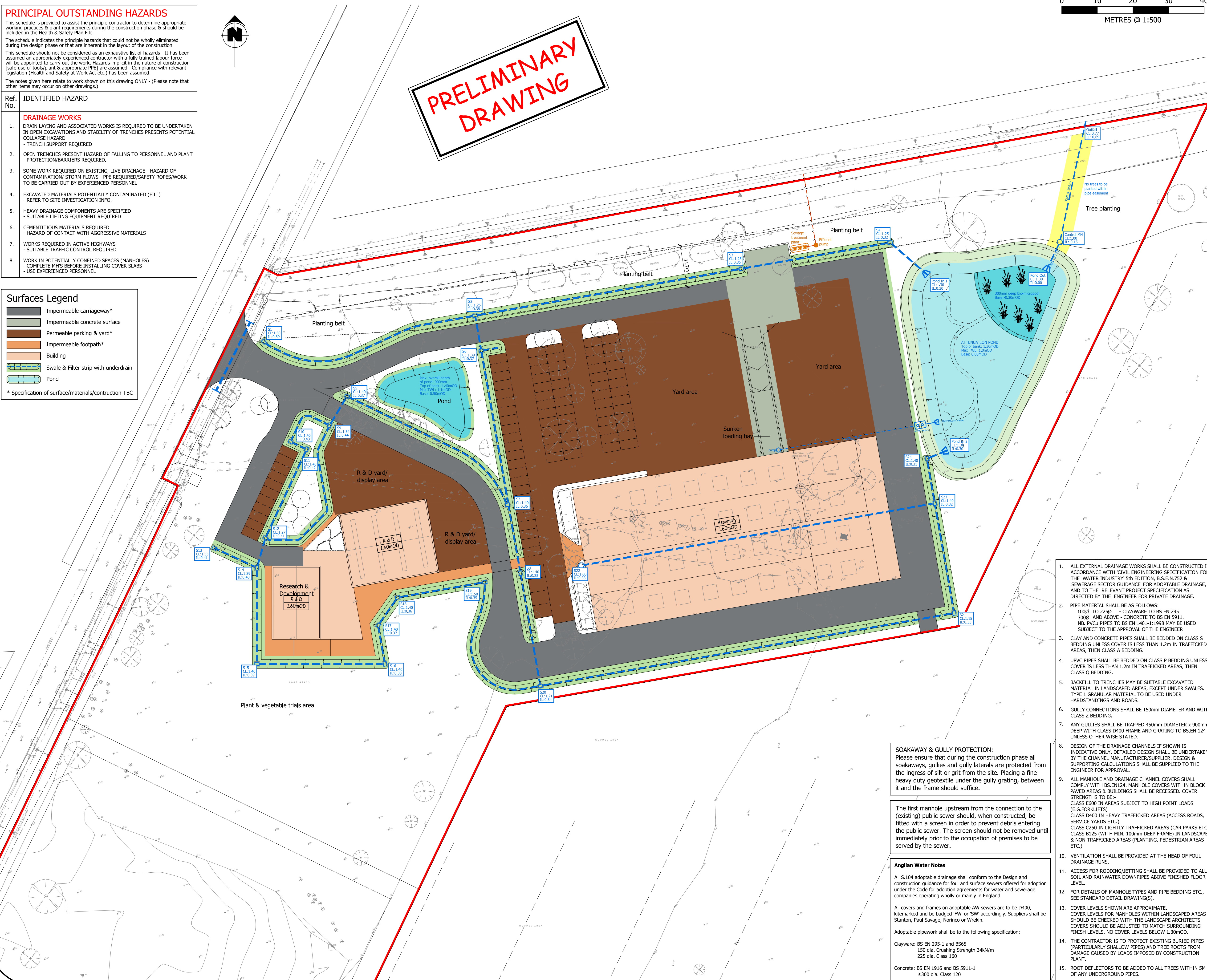
This schedule should not be considered as an exhaustive list of hazards - It has been assumed an appropriately experienced contractor with a fully trained labour force will be appointed to carry out the work. Hazards implicit in the nature of construction (safe use of plant, equipment, materials, etc.) are not included in the schedule with relevant legislation (Health & Safety at Work Act etc.) has been assumed.

The notes given here relate to work shown on this drawing ONLY - (Please note that other items may occur on other drawings.)

Surfaces Legend

	Impermeable carriageway*
	Impermeable concrete surface
	Permeable parking & yard*
	Impermeable footpath*
	Building
	Swale & Filter strip with underdrain
	Pond

* Specification of surface/materials/contruction TBC



PRIVATE DRAINAGE NOTES:

Pipework to be 110mm dia. PVC-U Hepworth PlastiDrain or similar approved, unless otherwise stated.

Generally laid to falls of 1:50 on the foul drain and 1:80 on the surface water drain, minimum 1:80 on both.

160mm dia. pipework to be laid at a min. fall of 1:130.

The Specification and installation of the drainage systems are to comply with the Building Regulations Approved Document H & British Standard 8301 Building Drainage current at the time of construction and also the manufacturers recommendations. All connections are to be soffit to soffit.

- | House Type
FFL Level | |
|-------------------------|---|
| Ass. 3
12.50 | |
| | Foul (Mini chamber <0.6m [1 side connection]) |
| | Foul (PPIC chamber <1.2m [2 side connections]) |
| | Foul (Telegraphic PPIC Chamber 1.2-3.0m) |
| | Surface (Mini chamber <0.6m [1 side connection]) |
| | Surface (PPIC chamber <1.2m [2 side connections]) |
| | Surface (Telegraphic PPIC Chamber 1.2-3.0m) |
| | Backdrop on SW Chamber |
| | Backdrop on FW Chamber |
| | FW MH with invert level |
| | SW MH with invert level |
| | Rodding eye with Invert Level |
| | Soil vent pipe [SVP] |
| | Rainwater outlet [RWP] |
| | Trench soakaway (ED=Effective Depth)
I.e. depth of trench below lowest invert. |
| | Dished drainage channel with gully. |
| | ACO channel or similar. |
| | Permeable Drives; Base gradients generally 1:500
or 1:1000 for longer drives |
| | Distribution diffuser crate with invert level. |

Cover levels generally to be 150mm below slab levels.

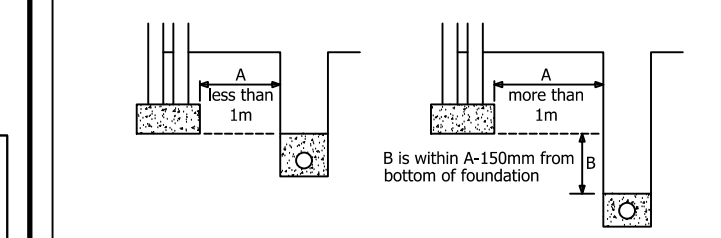
Pipeline pipework under adopted areas to be laid as min. 150mm dia. Extra Strength Clayware at minimum fall of 1:30.

Pipework under drives and other areas likely to be trafficked shall be backfilled with Type 2 material. Where depth of cover to be less than 900mm pipe to have 175mm thick reinforced (A393) concrete slab over. both treatments to extend a minimum of 1m behind kerb-face.

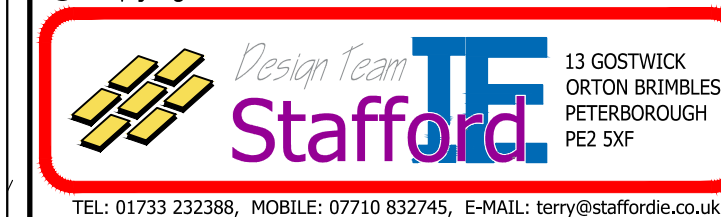
Flow sewers serving more than 10 dwellings should have a minimum diameter of 150mm.

A Soil Vent Pipe (SVP) must be added at the head of any foul drainage system. Air Admittance Valves (AAV) can be used in other locations if required.

Please Note: Where the bottom of a drainage trench is below foundation level, the trench should be filled with concrete as shown below.



	Date	Revisions
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Client _____

Client _____

Client _____

G. Sly Holdings Ltd

Job Title
Holbeach Drove Gate
Holbeach Drove
Holbeach
PE12 0PX

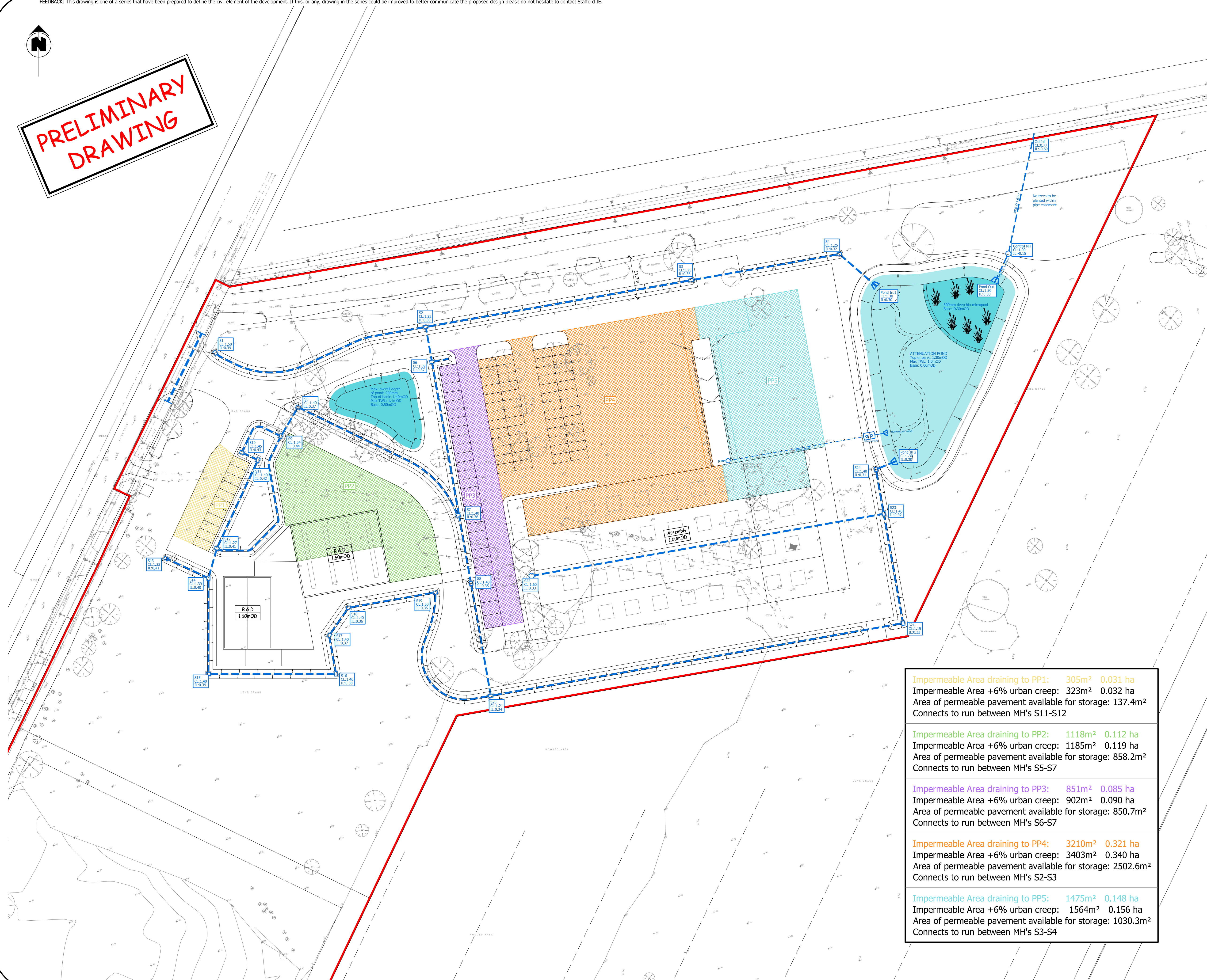
Drawing Title
Drainage Strategy

Date	Scale @ A1	Drawn
DEC 2023	1:500	IAC

Drg.No.	9078-107	Rev.	-
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PRELIMINARY
DRAWING



Impermeable Area draining to PP1:	305m ²	0.031 ha
Impermeable Area +6% urban creep:	323m ²	0.032 ha
Area of permeable pavement available for storage:	137.4m ²	
Connects to run between MH's	S11-S12	
Impermeable Area draining to PP2:	1118m ²	0.112 ha
Impermeable Area +6% urban creep:	1185m ²	0.119 ha
Area of permeable pavement available for storage:	858.2m ²	
Connects to run between MH's	S5-S7	
Impermeable Area draining to PP3:	851m ²	0.085 ha
Impermeable Area +6% urban creep:	902m ²	0.090 ha
Area of permeable pavement available for storage:	850.7m ²	
Connects to run between MH's	S6-S7	
Impermeable Area draining to PP4:	3210m ²	0.321 ha
Impermeable Area +6% urban creep:	3403m ²	0.340 ha
Area of permeable pavement available for storage:	2502.6m ²	
Connects to run between MH's	S2-S3	
Impermeable Area draining to PP5:	1475m ²	0.148 ha
Impermeable Area +6% urban creep:	1564m ²	0.156 ha
Area of permeable pavement available for storage:	1030.3m ²	
Connects to run between MH's	S3-S4	

NOTES:
All dimensions must be checked on site and not scaled from this drawing.

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Anglian Water Notes

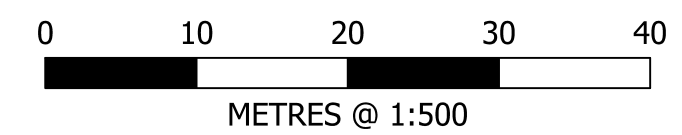
All S.104 adoptable drainage shall conform to the Design and construction guidance for foul and surface sewers offered for adoption under the Code for adoption agreements for water and sewerage companies operating wholly or mainly in England.

All covers and frames on adoptable AW sewers are to be D400, kitemarked and be badged 'FW' or 'SW' accordingly. Suppliers shall be Stanton, Paul Savage, Norinco or Wrekin.

Adoptable pipework shall be to the following specification:

Clayware: BS EN 295-1 and BS65
150 dia. Crushing Strength 34kN/m
225 dia. Class 160

Concrete: BS EN 1916 and BS 5911-1
≥300 dia. Class 120



Date	Revisions

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Client

G. Sly Holdings Ltd

Job Title

Holbeach Drove Gate
Holbeach Drove
Holbeach
PE12 0PX

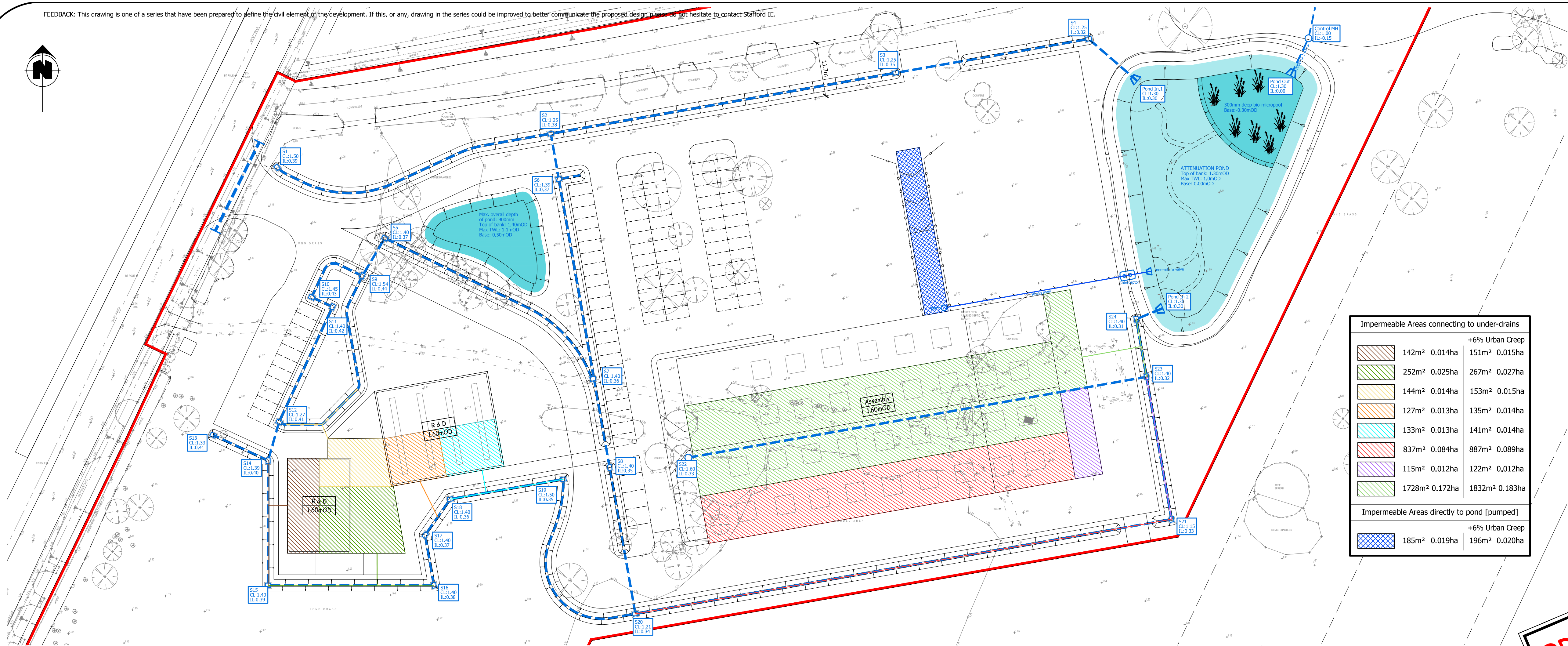
Drawing Title

Drainage Areas
Sheet 1 - Permeable Pavements

Date	JAN 2024	Scale @ A1	1:500	Drawn	IAC
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FEEDBACK: This drawing is one of a series that have been prepared to define the civil elements of the development. If this, or any, drawing in the series could be improved to better communicate the proposed design please do not hesitate to contact Stafford IE.



NOTES:
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150 dia. Crushing Strength 34kN/m
225 dia. Class 160

Concrete: BS EN 1916 and BS 5911-1
≥300 dia. Class 120

Impermeable Areas connecting to under-drains		
142m ²	0.014ha	+6% Urban Creep
151m ²	0.015ha	
252m ²	0.025ha	267m ² 0.027ha
144m ²	0.014ha	153m ² 0.015ha
127m ²	0.013ha	135m ² 0.014ha
133m ²	0.013ha	141m ² 0.014ha
837m ²	0.084ha	887m ² 0.089ha
115m ²	0.012ha	122m ² 0.012ha
1728m ²	0.172ha	1832m ² 0.183ha
Impermeable Areas directly to pond [pumped]		
185m ²	0.019ha	+6% Urban Creep
196m ²	0.020ha	

**PRELIMINARY
DRAWING**

0 10 20 30 40
METRES @ 1:500

Date	Revisions

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13 GOSTWICK
ORTON BRIMBLES
PETERBOROUGH
PE2 5XF

TEL: 01733 232388, MOBILE: 07710 832745, E-MAIL: terry@staffordie.co.uk

Client

G. Sly Holdings Ltd

Job Title

Holbeach Drove Gate
Holbeach Drove
Holbeach
PE12 0PX

Drawing Title

Drainage Areas
Sheet 2 - Swales & Under-drains

Date

JAN 2024

Scale @ A1
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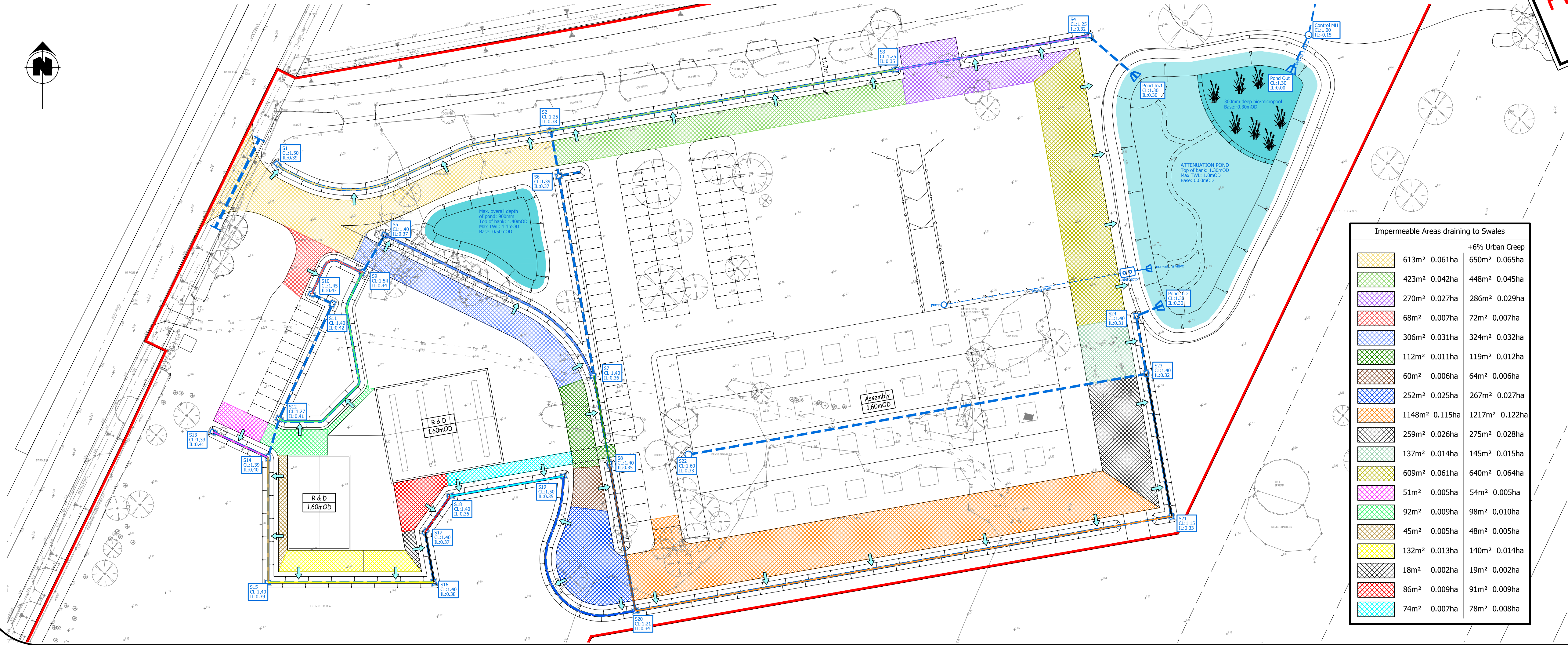
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Dwg.No.

9078-109-2

Rev.

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**HR Wallingford
Greenfield Runoff Calculations
&
Surface Water Calculations**

Calculated by:	Ian Corbyn
Site name:	Holbeach Drove Gate
Site location:	Holbeach Drove Gate

This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance "Rainfall runoff management for developments", SC030219 (2013) , the SuDS Manual C753 (Ciria, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Site Details

Latitude:	52.70347° N
Longitude:	0.02705° W
Reference:	1701884673
Date:	Dec 19 2023 10:13

Runoff estimation approach

IH124

Site characteristics

Total site area (ha):

4.939

Methodology

Q _{BAR} estimation method:	Calculate from SPR and SAAR
SPR estimation method:	Calculate from SOIL type

Notes

(1) Is Q_{BAR} < 2.0 l/s/ha?

When Q_{BAR} is < 2.0 l/s/ha then limiting discharge rates are set at 2.0 l/s/ha.

Soil characteristics

	Default	Edited
SOIL type:	2	2
HOST class:	N/A	N/A
SPR/SPRHOST:	0.3	0.3

Hydrological
characteristics

	Default	Edited
SAAR (mm):	557	557
Hydrological region:	5	5
Growth curve factor 1 year:	0.87	0.87
Growth curve factor 30 years:	2.45	2.45
Growth curve factor 100 years:	3.56	3.56
Growth curve factor 200 years:	4.21	4.21

(2) Are flow rates < 5.0 l/s?

Where flow rates are less than 5.0 l/s consent for discharge is usually set at 5.0 l/s if blockage from vegetation and other materials is possible. Lower consent flow rates may be set where the blockage risk is addressed by using appropriate drainage elements.

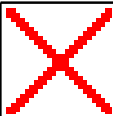
(3) Is SPR/SPRHOST ≤ 0.3?

Where groundwater levels are low enough the use of soakaways to avoid discharge offsite would normally be preferred for disposal of surface water runoff.

Greenfield runoff rates

	Default	Edited
Q _{BAR} (l/s):	6.89	6.89
1 in 1 year (l/s):	5.99	5.99
1 in 30 years (l/s):	16.88	16.88
1 in 100 year (l/s):	24.53	24.53
1 in 200 years (l/s):	29	29

This report was produced using the greenfield runoff tool developed by HR Wallingford and available at www.uksuds.com. The use of this tool is subject to the UK SuDS terms and conditions and licence agreement , which can both be found at www.uksuds.com/terms-and-conditions.htm. The outputs from this tool are estimates of greenfield runoff rates. The use of these results is the responsibility of the users of this tool. No liability will be accepted by HR Wallingford, the Environment Agency, CEH, Hydrosolutions or any other organisation for the use of this data in the design or operational characteristics of any drainage scheme.



Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	2	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	x

Adoptable Manhole Type

Max Width (mm)	Diameter (mm)	Max Width (mm)	Diameter (mm)
374	1200	749	1500
499	1350	900	1800

>900 Link+900 mm

Max Depth (m)	Diameter (mm)	Max Depth (m)	Diameter (mm)
1.500	1050	99.999	1200

Circular Link Type

Shape	Circular	Barrels	1	Auto Increment (mm)	75	Follow Ground	x
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Available Diameters (mm)

100 | 150

Swale 1:3 Link Type

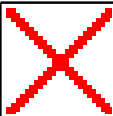
Shape	Trapezoidal	Side Slope (1:X)	3.0	Velocity	Manning
Barrels	1	Auto Increment (mm)	10	ks (mm) / n	0.035
Width (mm)	500	Follow Ground	x		

Available Diameters (mm)

333

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Width (mm)	Easting (m)	Northing (m)	Depth (m)
S3			1.250	1200	900	533429.688	313686.726	1.200
S4	0.032	5.00	1.250	1200	900	533471.484	313694.090	1.230
Pond In 1			1.300			533482.031	313684.949	1.295
S10			1.450	1200	900	533303.103	313638.134	1.320
S11			1.400	1200	900	533307.629	313636.030	1.280
S12	0.015	5.00	1.270	1200	900	533296.037	313611.093	1.160
S13		5.00	1.330	1200	900	533281.756	313608.247	1.220
S14	0.015	5.00	1.390	1200	900	533293.655	313602.716	1.290
S15	0.027	5.00	1.400	1200	900	533293.651	313575.728	1.310
S16			1.400	1200	900	533329.618	313575.724	1.320
S17	0.014	5.00	1.400	1200	900	533327.704	313586.584	1.330
S18	0.014	5.00	1.400	1200	900	533333.161	313594.375	1.340
S19			1.500	1200	900	533357.629	313598.686	1.450
S1		5.00	1.500	1200	900	533295.610	313666.234	1.410
S2			1.250	1200	900	533354.932	313673.554	1.170
S6			1.390	1200	900	533356.667	313663.705	1.320
S9		5.00	1.540	1200	900	533314.075	313642.738	1.400
S5			1.400	1200	900	533318.956	313650.928	1.330
S7			1.400	900	1200	533364.045	313620.432	1.340
S8			1.400	1200	900	533367.677	313601.218	1.350
S20	0.089	5.00	1.300	1200	900	533373.259	313569.536	1.260



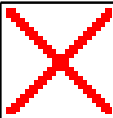
Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Width (mm)	Easting (m)	Northing (m)	Depth (m)
S21	0.012	5.00	1.300	1200	900	533489.467	313590.012	1.270
S22		5.00	1.600	1350		533384.758	313603.375	1.270
S23	0.183	5.00	1.400	1200	900	533484.030	313620.866	1.380
S24	0.052	5.00	1.400	1200	900	533481.826	313633.379	1.390
Pond In 2			1.300			533487.571	313635.744	1.295
Pond Out		5.00	1.300			533515.245	313686.093	1.300
Control MH			1.300	1500		533519.140	313694.207	1.800
Outfall			1.090	1200		533526.391	313728.079	1.780
1						533345.230	313596.653	
PP1	0.032	5.00	1.330	1200		533277.045	313629.610	0.500
PP2	0.119	5.00	1.450	1200		533329.168	313613.691	0.500
PP3	0.090	5.00	1.300	1200		533378.723	313621.394	0.500
PP4	0.340	5.00	1.438	1200		533415.954	313647.840	0.500
PP5	0.148	5.00	1.438	1200		533462.274	313666.045	0.500

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
34.001	Control MH	Outfall	34.639	0.600	-0.150	-0.690	0.540	64.1	300	5.37	50.0
34.000	Pond Out	Control MH	9.000	0.600	0.000	-0.150	0.150	60.0	300	5.07	50.0
29.000	S1	S2	62.773	0.035	1.150	0.900	0.250	251.1	333	6.75	50.0
28.001	S2	S3	75.908	0.035	0.900	0.899	0.001	75908.0	443	30.00	26.0
1.012	S24	Pond In 2	6.213	0.600	0.310	0.300	0.010	621.3	450	30.00	26.0
1.011	S23	S24	12.706	0.600	0.320	0.310	0.010	1270.6	450	30.00	26.0
25.000	S22	S23	100.801	0.600	0.330	0.320	0.010	10080.1	450	13.71	42.2
1.010	S21	S23	31.329	0.600	0.330	0.320	0.010	3132.9	450	30.00	26.0
1.009	S20	S21	117.998	0.600	0.340	0.330	0.010	11799.8	450	30.00	26.0
1.008	S19	S20	45.062	0.600	0.350	0.340	0.010	4506.2	450	21.12	32.5
15.003	S8	S20	32.170	0.600	0.350	0.340	0.010	3217.0	450	23.41	30.5
15.002	S7	S8	19.554	0.600	0.360	0.350	0.010	1955.4	450	21.87	31.8
17.001	S6	S7	43.897	0.600	0.370	0.360	0.010	4389.7	450	10.04	48.3
15.001	S5	S7	55.905	0.600	0.370	0.360	0.010	5590.5	450	9.64	50.0
16.000	S9	S5	9.534	0.600	0.440	0.370	0.070	136.2	450	5.09	50.0
18.000	S2	S6	10.001	0.600	0.380	0.370	0.010	1000.1	100	5.71	50.0
30.000	S1	S2	62.773	0.600	0.390	0.380	0.010	6277.3	450	9.24	50.0
1.007	S18	S19	24.845	0.600	0.360	0.350	0.010	2484.5	450	18.56	35.2

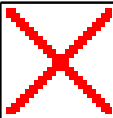
Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
34.001	1.966	139.0	0.0	1.150	1.480	0.000	0.0	0	0.000
34.000	2.033	143.7	0.0	1.000	1.150	0.000	0.0	0	0.000
29.000	0.599	299.1	0.0	0.017	0.017	0.000	0.0	0	0.000
28.001	0.041	32.9	24.0	-0.093	-0.092	0.340	0.0	385	0.037
1.012	0.808	128.5	46.7	0.640	0.550	0.662	0.0	187	0.745
1.011	0.562	89.3	43.0	0.630	0.640	0.610	0.0	220	0.557
25.000	0.193	30.7	0.0	0.820	0.630	0.000	0.0	0	0.000
1.010	0.354	56.3	30.1	0.520	0.630	0.427	0.0	234	0.359
1.009	0.178	28.3	29.2	0.510	0.520	0.415	0.0	386	0.201
1.008	0.293	46.6	10.3	0.700	0.510	0.117	0.0	144	0.236
15.003	0.349	55.5	17.3	0.600	0.510	0.209	0.0	172	0.309
15.002	0.451	71.7	18.0	0.590	0.600	0.209	0.0	153	0.377
17.001	0.297	47.3	11.8	0.570	0.590	0.090	0.0	152	0.247
15.001	0.262	41.7	16.1	0.580	0.590	0.119	0.0	194	0.246
16.000	1.740	276.7	0.0	0.650	0.580	0.000	0.0	0	0.000
18.000	0.236	1.8	0.0	0.770	0.920	0.000	0.0	0	0.000
30.000	0.247	39.3	0.0	0.660	0.420	0.000	0.0	0	0.000
1.007	0.398	63.4	11.2	0.590	0.700	0.117	0.0	127	0.301



Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.006	S17	S18	9.512	0.600	0.370	0.360	0.010	951.2	450	17.52	36.5
1.005	S16	S17	11.027	0.600	0.380	0.370	0.010	1102.7	450	17.28	36.8
1.004	S15	S16	35.967	0.600	0.390	0.380	0.010	3596.7	450	14.60	40.7
1.003	S14	S15	26.988	0.600	0.400	0.390	0.010	2698.8	450	9.06	50.0
1.002	S12	S14	8.709	0.600	0.410	0.400	0.010	870.9	450	7.88	50.0
8.000	S13	S14	13.122	0.600	0.410	0.400	0.010	1312.2	450	5.40	50.0
5.000	S9	S12	45.872	0.600	0.440	0.410	0.030	1529.1	450	6.50	50.0
1.001	S11	S12	27.500	0.600	0.420	0.410	0.010	2750.0	450	7.67	50.0
2.001	S10	S11	4.991	0.600	0.430	0.420	0.010	499.1	450	5.62	50.0
2.000	S9	S10	15.944	0.600	0.440	0.430	0.010	1594.4	450	5.53	50.0
28.003	S4	Pond In 1	13.957	0.035	0.320	0.300	0.020	697.9	450	30.00	26.0
28.002	S3	S4	42.440	0.035	0.350	0.320	0.030	1414.7	450	30.00	26.0
32.000	S2	S3	75.908	0.600	0.380	0.350	0.030	2530.3	450	8.20	50.0
33.000	S3	S4	42.440	0.035	0.899	0.898	0.001	42440.0	333	20.35	33.3
19.000	S6	S7	43.897	0.035	1.040	1.039	0.001	43897.0	333	21.15	32.5
20.000	S5	S7	55.905	0.035	1.050	1.039	0.011	5082.3	333	12.00	45.5
21.000	S7	S8	19.554	0.035	1.039	1.038	0.001	19554.0	333	9.80	50.0
22.000	S8	S20	19.900	0.035	1.038	0.860	0.178	111.8	333	5.37	50.0
3.000	S9	S10	15.944	0.035	1.190	1.100	0.090	177.2	333	5.37	50.0
6.000	S9	S12	45.872	0.035	1.190	0.920	0.270	169.9	333	6.05	50.0
4.000	S10	S11	4.991	0.035	1.100	1.050	0.050	99.8	333	5.09	50.0
7.000	S11	S12	27.500	0.035	1.050	0.920	0.130	211.5	333	5.70	50.0
9.000	S13	S14	13.122	0.035	0.980	0.979	0.001	13122.0	333	7.64	50.0
10.000	S14	S15	26.988	0.035	0.979	0.978	0.001	26988.0	333	12.78	43.9
11.000	S15	S16	35.967	0.035	0.978	0.977	0.001	35967.0	333	16.97	37.2
12.000	S16	S17	11.027	0.035	0.977	0.976	0.001	11027.0	333	7.03	50.0
13.000	S17	S18	9.512	0.035	0.976	0.975	0.001	9512.0	333	6.63	50.0
14.000	S18	S19	24.845	0.035	0.975	0.974	0.001	24845.0	333	11.87	45.8

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.006	0.651	103.5	10.2	0.580	0.590	0.103	0.0	94	0.418
1.005	0.604	96.0	8.9	0.570	0.580	0.089	0.0	92	0.381
1.004	0.329	52.4	9.8	0.560	0.570	0.089	0.0	131	0.253
1.003	0.382	60.7	8.4	0.540	0.560	0.062	0.0	113	0.270
1.002	0.681	108.3	6.4	0.410	0.540	0.047	0.0	73	0.376
8.000	0.552	87.9	0.0	0.470	0.540	0.000	0.0	0	0.000
5.000	0.511	81.3	0.0	0.650	0.410	0.000	0.0	0	0.000
1.001	0.378	60.2	4.3	0.530	0.410	0.032	0.0	81	0.221
2.001	0.903	143.6	0.0	0.570	0.530	0.000	0.0	0	0.000
2.000	0.500	79.5	0.0	0.650	0.570	0.000	0.0	0	0.000
28.003	0.252	40.1	36.6	0.480	0.550	0.520	0.0	338	0.286
28.002	0.177	28.2	34.4	0.450	0.480	0.488	0.0	450	0.179
32.000	0.395	62.8	0.0	0.420	0.450	0.000	0.0	0	0.000
33.000	0.046	23.0	0.0	0.018	0.019	0.000	0.0	0	0.000
19.000	0.045	22.6	0.0	0.017	0.028	0.000	0.0	0	0.000
20.000	0.133	66.5	0.0	0.017	0.028	0.000	0.0	0	0.000
21.000	0.068	33.9	0.0	0.028	0.029	0.000	0.0	0	0.000
22.000	0.898	448.2	0.0	0.029	0.107	0.000	0.0	0	0.000
3.000	0.713	356.0	0.0	0.017	0.017	0.000	0.0	0	0.000
6.000	0.728	363.6	0.0	0.017	0.017	0.000	0.0	0	0.000
4.000	0.950	474.3	0.0	0.017	0.017	0.000	0.0	0	0.000
7.000	0.653	325.8	0.0	0.017	0.017	0.000	0.0	0	0.000
9.000	0.083	41.4	0.0	0.017	0.078	0.000	0.0	0	0.000
10.000	0.058	28.8	0.0	0.078	0.089	0.000	0.0	0	0.000
11.000	0.050	25.0	0.0	0.089	0.090	0.000	0.0	0	0.000
12.000	0.090	45.1	0.0	0.090	0.091	0.000	0.0	0	0.000
13.000	0.097	48.6	0.0	0.091	0.092	0.000	0.0	0	0.000
14.000	0.060	30.1	0.0	0.092	0.193	0.000	0.0	0	0.000



Links

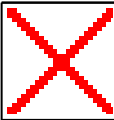
Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
23.000	S19	S20	45.062	0.035	0.974	0.860	0.114	395.3	333	6.57	50.0
24.000	S20	S21	117.998	0.035	0.860	0.800	0.060	1966.6	333	14.19	41.4
26.000	S21	S23	31.329	0.035	0.800	0.799	0.001	31329.0	333	14.73	40.5
27.000	S23	S24	12.706	0.035	0.799	0.798	0.001	12706.0	333	7.51	50.0
31.000	PP5	S3	38.595	0.600	0.938	0.700	0.238	162.2	100	6.07	50.0
28.000	PP4	S2	66.219	0.600	0.938	0.730	0.208	318.4	100	7.59	50.0
17.000	PP3	S6	47.715	0.600	0.800	0.720	0.080	596.4	100	7.58	50.0
15.000	PP2	S5	38.612	0.600	0.950	0.720	0.230	167.9	100	6.09	50.0
1.000	PP1	S11	31.251	0.600	0.830	0.760	0.070	446.4	100	6.46	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
23.000	0.478	238.4	0.0	0.193	0.107	0.000	0.0	0	0.000
24.000	0.214	106.9	0.0	0.107	0.167	0.000	0.0	0	0.000
26.000	0.054	26.8	0.0	0.167	0.268	0.000	0.0	0	0.000
27.000	0.084	42.0	0.0	0.268	0.269	0.000	0.0	0	0.000
31.000	0.601	4.7	20.1	0.400	0.450	0.148	0.0	100	0.617
28.000	0.426	3.3	46.1	0.400	0.420	0.340	0.0	100	0.437
17.000	0.308	2.4	12.2	0.400	0.570	0.090	0.0	100	0.317
15.000	0.591	4.6	16.1	0.400	0.580	0.119	0.0	100	0.607
1.000	0.358	2.8	4.3	0.400	0.540	0.032	0.0	100	0.368

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
34.001	34.639	64.1	300	Circular	1.300	-0.150	1.150	1.090	-0.690	1.480
34.000	9.000	60.0	300	Circular	1.300	0.000	1.000	1.300	-0.150	1.150
29.000	62.773	251.1	333	Swale 1:3	1.500	1.150	0.017	1.250	0.900	0.017
28.001	75.908	75908.0	443	Swale 1:3	1.250	0.900	-0.093	1.250	0.899	-0.092
1.012	6.213	621.3	450	Circular	1.400	0.310	0.640	1.300	0.300	0.550
1.011	12.706	1270.6	450	Circular	1.400	0.320	0.630	1.400	0.310	0.640
25.000	100.801	10080.1	450	Circular	1.600	0.330	0.820	1.400	0.320	0.630
1.010	31.329	3132.9	450	Circular	1.300	0.330	0.520	1.400	0.320	0.630
1.009	117.998	11799.8	450	Circular	1.300	0.340	0.510	1.300	0.330	0.520
1.008	45.062	4506.2	450	Circular	1.500	0.350	0.700	1.300	0.340	0.510
15.003	32.170	3217.0	450	Circular	1.400	0.350	0.600	1.300	0.340	0.510
15.002	19.554	1955.4	450	Circular	1.400	0.360	0.590	1.400	0.350	0.600
17.001	43.897	4389.7	450	Circular	1.390	0.370	0.570	1.400	0.360	0.590
15.001	55.905	5590.5	450	Circular	1.400	0.370	0.580	1.400	0.360	0.590
16.000	9.534	136.2	450	Circular	1.540	0.440	0.650	1.400	0.370	0.580

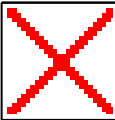
Link	US Node	Dia (mm)	Width (mm)	Node Type	MH Type	DS Node	Dia (mm)	Width (mm)	Node Type	MH Type
34.001	Control MH	1500		Manhole	Adoptable	Outfall	1200		Manhole	Adoptable
34.000	Pond Out			Junction		Control MH	1500		Manhole	Adoptable
29.000	S1	1200	900	Manhole	Adoptable	S2	1200	900	Manhole	Adoptable
28.001	S2	1200	900	Manhole	Adoptable	S3	1200	900	Manhole	Adoptable
1.012	S24	1200	900	Manhole	Adoptable	Pond In 2			Junction	
1.011	S23	1200	900	Manhole	Adoptable	S24	1200	900	Manhole	Adoptable
25.000	S22	1350		Manhole	Adoptable	S23	1200	900	Manhole	Adoptable
1.010	S21	1200	900	Manhole	Adoptable	S23	1200	900	Manhole	Adoptable
1.009	S20	1200	900	Manhole	Adoptable	S21	1200	900	Manhole	Adoptable
1.008	S19	1200	900	Manhole	Adoptable	S20	1200	900	Manhole	Adoptable
15.003	S8	1200	900	Manhole	Adoptable	S20	1200	900	Manhole	Adoptable
15.002	S7	900	1200	Manhole	Adoptable	S8	1200	900	Manhole	Adoptable
17.001	S6	1200	900	Manhole	Adoptable	S7	900	1200	Manhole	Adoptable
15.001	S5	1200	900	Manhole	Adoptable	S7	900	1200	Manhole	Adoptable
16.000	S9	1200	900	Manhole	Adoptable	S5	1200	900	Manhole	Adoptable



Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
18.000	10.001	1000.1	100	Circular	1.250	0.380	0.770	1.390	0.370	0.920
30.000	62.773	6277.3	450	Circular	1.500	0.390	0.660	1.250	0.380	0.420
1.007	24.845	2484.5	450	Circular	1.400	0.360	0.590	1.500	0.350	0.700
1.006	9.512	951.2	450	Circular	1.400	0.370	0.580	1.400	0.360	0.590
1.005	11.027	1102.7	450	Circular	1.400	0.380	0.570	1.400	0.370	0.580
1.004	35.967	3596.7	450	Circular	1.400	0.390	0.560	1.400	0.380	0.570
1.003	26.988	2698.8	450	Circular	1.390	0.400	0.540	1.400	0.390	0.560
1.002	8.709	870.9	450	Circular	1.270	0.410	0.410	1.390	0.400	0.540
8.000	13.122	1312.2	450	Circular	1.330	0.410	0.470	1.390	0.400	0.540
5.000	45.872	1529.1	450	Circular	1.540	0.440	0.650	1.270	0.410	0.410
1.001	27.500	2750.0	450	Circular	1.400	0.420	0.530	1.270	0.410	0.410
2.001	4.991	499.1	450	Circular	1.450	0.430	0.570	1.400	0.420	0.530
2.000	15.944	1594.4	450	Circular	1.540	0.440	0.650	1.450	0.430	0.570
28.003	13.957	697.9	450	Circular	1.250	0.320	0.480	1.300	0.300	0.550
28.002	42.440	1414.7	450	Circular	1.250	0.350	0.450	1.250	0.320	0.480
32.000	75.908	2530.3	450	Circular	1.250	0.380	0.420	1.250	0.350	0.450
33.000	42.440	42440.0	333	Swale 1:3	1.250	0.899	0.018	1.250	0.898	0.019
19.000	43.897	43897.0	333	Swale 1:3	1.390	1.040	0.017	1.400	1.039	0.028
20.000	55.905	5082.3	333	Swale 1:3	1.400	1.050	0.017	1.400	1.039	0.028
21.000	19.554	19554.0	333	Swale 1:3	1.400	1.039	0.028	1.400	1.038	0.029
22.000	19.900	111.8	333	Swale 1:3	1.400	1.038	0.029	1.300	0.860	0.107
3.000	15.944	177.2	333	Swale 1:3	1.540	1.190	0.017	1.450	1.100	0.017
6.000	45.872	169.9	333	Swale 1:3	1.540	1.190	0.017	1.270	0.920	0.017
4.000	4.991	99.8	333	Swale 1:3	1.450	1.100	0.017	1.400	1.050	0.017
7.000	27.500	211.5	333	Swale 1:3	1.400	1.050	0.017	1.270	0.920	0.017
9.000	13.122	13122.0	333	Swale 1:3	1.330	0.980	0.017	1.390	0.979	0.078
10.000	26.988	26988.0	333	Swale 1:3	1.390	0.979	0.078	1.400	0.978	0.089
11.000	35.967	35967.0	333	Swale 1:3	1.400	0.978	0.089	1.400	0.977	0.090

Link	US Node	Dia (mm)	Width (mm)	Node Type	MH Type	DS Node	Dia (mm)	Width (mm)	Node Type	MH Type
18.000	S2	1200	900	Manhole	Adoptable	S6	1200	900	Manhole	Adoptable
30.000	S1	1200	900	Manhole	Adoptable	S2	1200	900	Manhole	Adoptable
1.007	S18	1200	900	Manhole	Adoptable	S19	1200	900	Manhole	Adoptable
1.006	S17	1200	900	Manhole	Adoptable	S18	1200	900	Manhole	Adoptable
1.005	S16	1200	900	Manhole	Adoptable	S17	1200	900	Manhole	Adoptable
1.004	S15	1200	900	Manhole	Adoptable	S16	1200	900	Manhole	Adoptable
1.003	S14	1200	900	Manhole	Adoptable	S15	1200	900	Manhole	Adoptable
1.002	S12	1200	900	Manhole	Adoptable	S14	1200	900	Manhole	Adoptable
8.000	S13	1200	900	Manhole	Adoptable	S14	1200	900	Manhole	Adoptable
5.000	S9	1200	900	Manhole	Adoptable	S12	1200	900	Manhole	Adoptable
1.001	S11	1200	900	Manhole	Adoptable	S12	1200	900	Manhole	Adoptable
2.001	S10	1200	900	Manhole	Adoptable	S11	1200	900	Manhole	Adoptable
2.000	S9	1200	900	Manhole	Adoptable	S10	1200	900	Manhole	Adoptable
28.003	S4	1200	900	Manhole	Adoptable	Pond In 1			Junction	
28.002	S3	1200	900	Manhole	Adoptable	S4	1200	900	Manhole	Adoptable
32.000	S2	1200	900	Manhole	Adoptable	S3	1200	900	Manhole	Adoptable
33.000	S3	1200	900	Manhole	Adoptable	S4	1200	900	Manhole	Adoptable
19.000	S6	1200	900	Manhole	Adoptable	S7	900	1200	Manhole	Adoptable
20.000	S5	1200	900	Manhole	Adoptable	S7	900	1200	Manhole	Adoptable
21.000	S7	900	1200	Manhole	Adoptable	S8	1200	900	Manhole	Adoptable
22.000	S8	1200	900	Manhole	Adoptable	S20	1200	900	Manhole	Adoptable
3.000	S9	1200	900	Manhole	Adoptable	S10	1200	900	Manhole	Adoptable
6.000	S9	1200	900	Manhole	Adoptable	S12	1200	900	Manhole	Adoptable
4.000	S10	1200	900	Manhole	Adoptable	S11	1200	900	Manhole	Adoptable
7.000	S11	1200	900	Manhole	Adoptable	S12	1200	900	Manhole	Adoptable
9.000	S13	1200	900	Manhole	Adoptable	S14	1200	900	Manhole	Adoptable
10.000	S14	1200	900	Manhole	Adoptable	S15	1200	900	Manhole	Adoptable
11.000	S15	1200	900	Manhole	Adoptable	S16	1200	900	Manhole	Adoptable



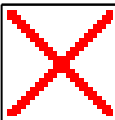
Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
12.000	11.027	11027.0	333	Swale 1:3	1.400	0.977	0.090	1.400	0.976	0.091
13.000	9.512	9512.0	333	Swale 1:3	1.400	0.976	0.091	1.400	0.975	0.092
14.000	24.845	24845.0	333	Swale 1:3	1.400	0.975	0.092	1.500	0.974	0.193
23.000	45.062	395.3	333	Swale 1:3	1.500	0.974	0.193	1.300	0.860	0.107
24.000	117.998	1966.6	333	Swale 1:3	1.300	0.860	0.107	1.300	0.800	0.167
26.000	31.329	31329.0	333	Swale 1:3	1.300	0.800	0.167	1.400	0.799	0.268
27.000	12.706	12706.0	333	Swale 1:3	1.400	0.799	0.268	1.400	0.798	0.269
31.000	38.595	162.2	100	Circular	1.438	0.938	0.400	1.250	0.700	0.450
28.000	66.219	318.4	100	Circular	1.438	0.938	0.400	1.250	0.730	0.420
17.000	47.715	596.4	100	Circular	1.300	0.800	0.400	1.390	0.720	0.570
15.000	38.612	167.9	100	Circular	1.450	0.950	0.400	1.400	0.720	0.580
1.000	31.251	446.4	100	Circular	1.330	0.830	0.400	1.400	0.760	0.540

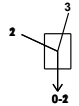
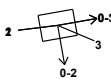
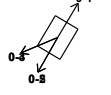
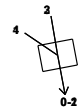
Link	US Node	Dia (mm)	Width (mm)	Node Type	MH Type	DS Node	Dia (mm)	Width (mm)	Node Type	MH Type
12.000	S16	1200	900	Manhole	Adoptable	S17	1200	900	Manhole	Adoptable
13.000	S17	1200	900	Manhole	Adoptable	S18	1200	900	Manhole	Adoptable
14.000	S18	1200	900	Manhole	Adoptable	S19	1200	900	Manhole	Adoptable
23.000	S19	1200	900	Manhole	Adoptable	S20	1200	900	Manhole	Adoptable
24.000	S20	1200	900	Manhole	Adoptable	S21	1200	900	Manhole	Adoptable
26.000	S21	1200	900	Manhole	Adoptable	S23	1200	900	Manhole	Adoptable
27.000	S23	1200	900	Manhole	Adoptable	S24	1200	900	Manhole	Adoptable
31.000	PP5	1200		Manhole	Adoptable	S3	1200	900	Manhole	Adoptable
28.000	PP4	1200		Manhole	Adoptable	S2	1200	900	Manhole	Adoptable
17.000	PP3	1200		Manhole	Adoptable	S6	1200	900	Manhole	Adoptable
15.000	PP2	1200		Manhole	Adoptable	S5	1200	900	Manhole	Adoptable
1.000	PP1	1200		Manhole	Adoptable	S11	1200	900	Manhole	Adoptable

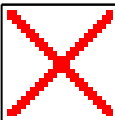
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Connections	Link	IL (m)	Dia (mm)
S3	533429.688	313686.726	1.250	1.200	1200	900	1	32.000	0.350	450
							2	31.000	0.700	100
							3	28.001	0.899	443
							0-1	28.002	0.350	450
							0-2	33.000	0.899	333
S4	533471.484	313694.090	1.250	1.230	1200	900	1	33.000	0.898	333
							2	28.002	0.320	450
							0	28.003	0.320	450
Pond In 1	533482.031	313684.949	1.300	1.295			1	28.003	0.300	450
S10	533303.103	313638.134	1.450	1.320	1200	900	1	3.000	1.100	333
							2	2.000	0.430	450
							0-1	2.001	0.430	450
							0-2	4.000	1.100	333
S11	533307.629	313636.030	1.400	1.280	1200	900	1	4.000	1.050	333
							2	2.001	0.420	450
							3	1.000	0.760	100
							0-1	1.001	0.420	450
							0-2	7.000	1.050	333
S12	533296.037	313611.093	1.270	1.160	1200	900	1	7.000	0.920	333
							2	6.000	0.920	333
							3	5.000	0.410	450
							4	1.001	0.410	450
							0	1.002	0.410	450

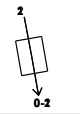
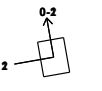
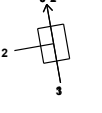


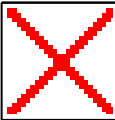
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Connections	Link	IL (m)	Dia (mm)
S13	533281.756	313608.247	1.330	1.220	1200	900		0-1 0-2	8.000 9.000	0.410 0.980 450 333
S14	533293.655	313602.716	1.390	1.290	1200	900		1 2 3 0-1 0-2	9.000 8.000 1.002 1.003 10.000	0.979 0.400 0.400 0.400 0.979 333 450 450 450 333
S15	533293.651	313575.728	1.400	1.310	1200	900		1 2 0-1 0-2	10.000 1.003 1.004 11.000	0.978 0.390 0.390 0.978 333 450 450 333
S16	533329.618	313575.724	1.400	1.320	1200	900		1 2 0-1 0-2	11.000 1.004 1.005 12.000	0.977 0.380 0.380 0.977 333 450 450 333
S17	533327.704	313586.584	1.400	1.330	1200	900		1 2 0-1 0-2	12.000 1.005 1.006 13.000	0.976 0.370 0.370 0.976 333 450 450 333
S18	533333.161	313594.375	1.400	1.340	1200	900		1 2 0-1 0-2	13.000 1.006 1.007 14.000	0.975 0.360 0.360 0.975 333 450 450 333
S19	533357.629	313598.686	1.500	1.450	1200	900		1 2 0-1 0-2	14.000 1.007 1.008 23.000	0.974 0.350 0.350 0.974 333 450 450 333
S1	533295.610	313666.234	1.500	1.410	1200	900		0-1 0-2	29.000 30.000	1.150 0.390 333 450
S2	533354.932	313673.554	1.250	1.170	1200	900		1 2 3 0-1 0-2 0-3	30.000 29.000 28.000 28.001 18.000 32.000	0.380 0.900 0.730 0.900 0.380 0.380 450 333 100 443 100 450
S6	533356.667	313663.705	1.390	1.320	1200	900		1 2 0-1 0-2	18.000 17.000 17.001 19.000	0.370 0.720 0.370 1.040 100 100 450 333
S9	533314.075	313642.738	1.540	1.400	1200	900		0-1 0-2 0-3 0-4 0-5	16.000 5.000 2.000 3.000 6.000	0.440 0.440 0.440 1.190 1.190 450 450 450 333 333
S5	533318.956	313650.928	1.400	1.330	1200	900		1 2 0-1 0-2	16.000 15.000 15.001 20.000	0.370 0.720 0.370 1.050 450 100 450 333
S7	533364.045	313620.432	1.400	1.340	900	1200		1 2 3 4 0-1 0-2	20.000 19.000 17.001 15.001 15.002 21.000	1.039 1.039 0.360 0.360 0.360 1.039 333 333 450 450 450 333



Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Connections	Link	IL (m)	Dia (mm)	
S8	533367.677	313601.218	1.400	1.350	1200	900		1 2 0-1 0-2	21.000 15.002 15.003 22.000	1.038 0.350 0.350 1.038	333 450 450 333
S20	533373.259	313569.536	1.300	1.260	1200	900		1 2 3 4 0-1 0-2	23.000 22.000 15.003 1.008 1.009 24.000	0.860 0.860 0.340 0.340 0.340 0.860	333 333 450 450 450 333
S21	533489.467	313590.012	1.300	1.270	1200	900		1 2 0-1 0-2	24.000 1.009 1.010 26.000	0.800 0.330 0.330 0.800	333 450 450 333
S22	533384.758	313603.375	1.600	1.270	1350			0	25.000	0.330	450
S23	533484.030	313620.866	1.400	1.380	1200	900		1 2 3 0-1 0-2	26.000 25.000 1.010 1.011 27.000	0.799 0.320 0.320 0.320 0.799	333 450 450 450 333
S24	533481.826	313633.379	1.400	1.390	1200	900		1 2 0	27.000 1.011 1.012	0.798 0.310 0.310	333 450 450
Pond In 2	533487.571	313635.744	1.300	1.295				1	1.012	0.300	450
Pond Out	533515.245	313686.093	1.300	1.300				0	34.000	0.000	300
Control MH	533519.140	313694.207	1.300	1.800	1500			1 0	34.000 34.001	-0.150 -0.150	300 300
Outfall	533526.391	313728.079	1.090	1.780	1200			1	34.001	-0.690	300
1	533345.230	313596.653						0			
PP1	533277.045	313629.610	1.330	0.500	1200			0 1	1.000	0.830	100
PP2	533329.168	313613.691	1.450	0.500	1200			0 1	15.000	0.950	100
PP3	533378.723	313621.394	1.300	0.500	1200			0 1	17.000	0.800	100



Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Connections	Link	IL (m)	Dia (mm)
PP4	533415.954	313647.840	1.438	0.500	1200					
							0	28.000	0.938	100
PP5	533462.274	313666.045	1.438	0.500	1200					
							0	31.000	0.938	100

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Additional Storage (m³/ha)	20.0
Summer CV	0.750	Skip Steady State	x	Check Discharge Rate(s)	x
Winter CV	0.840	Drain Down Time (mins)	240	Check Discharge Volume	x

Storm Durations

60	180	360	480	600	720	960	1440	2880	5760	8640
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Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)	Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0	100	20	0	0
30	0	0	0	100	40	0	0

Node Control MH Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	-0.150	Product Number	CTL-SHE-0121-6900-1150-6900
Design Depth (m)	1.150	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	6.9	Min Node Diameter (mm)	1200

Node Pond Out Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Main Channel Length (m)	49.150
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.000	Main Channel Slope (1:X)	10000.0
Safety Factor	2.0	Time to half empty (mins)	0	Main Channel n	0.035

Inlets

Pond In 2	Pond In 1
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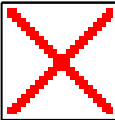
Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	1274.0	0.0	1.000	1748.0	0.0	1.300	1902.0	0.0

Node PP1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.830	Slope (1:X)	500.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	0	Depth (m)	
Safety Factor	2.0	Width (m)	5.000	Inf Depth (m)	
Porosity	1.00	Length (m)	27.500		

Node PP2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.950	Slope (1:X)	500.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	0	Depth (m)	
Safety Factor	2.0	Width (m)	29.300	Inf Depth (m)	
Porosity	1.00	Length (m)	29.300		



Stafford Infrastructure Eng. 13 Gostwick Orton Brimbles Peterborough PE2 5XF	File: 9078 Holbeach Drove Gate - SW 10-01 Network: Holbeach Terry Stafford 10/01/2024	Page 10
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Node PP3 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.800	Slope (1:X)	500.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	0	Depth (m)	
Safety Factor	2.0	Width (m)	11.000	Inf Depth (m)	
Porosity	1.00	Length (m)	77.300		

Node PP4 Carpark Storage Structure

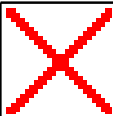
Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.938	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	160	Depth (m)	
Safety Factor	2.0	Width (m)	58.270	Inf Depth (m)	
Porosity	1.00	Length (m)	43.000		

Node PP5 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	0.938	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	0	Depth (m)	
Safety Factor	2.0	Width (m)	24.800	Inf Depth (m)	
Porosity	1.00	Length (m)	41.500		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
2 year 60 minute summer	44.005	11.629	30 year 2880 minute summer	6.251	1.675
2 year 60 minute winter	29.236	11.629	30 year 2880 minute winter	4.201	1.675
2 year 180 minute summer	25.479	6.557	30 year 5760 minute summer	3.668	0.939
2 year 180 minute winter	16.562	6.557	30 year 5760 minute winter	2.374	0.939
2 year 360 minute summer	15.774	4.059	30 year 8640 minute summer	2.680	0.684
2 year 360 minute winter	10.254	4.059	30 year 8640 minute winter	1.730	0.684
2 year 480 minute summer	12.350	3.264	100 year +20% CC 60 minute summer	226.550	59.870
2 year 480 minute winter	8.205	3.264	100 year +20% CC 60 minute winter	150.514	59.870
2 year 600 minute summer	10.024	2.742	100 year +20% CC 180 minute summer	101.269	26.060
2 year 600 minute winter	6.849	2.742	100 year +20% CC 180 minute winter	65.828	26.060
2 year 720 minute summer	8.848	2.371	100 year +20% CC 360 minute summer	59.064	15.199
2 year 720 minute winter	5.946	2.371	100 year +20% CC 360 minute winter	38.393	15.199
2 year 960 minute summer	7.129	1.877	100 year +20% CC 480 minute summer	45.845	12.116
2 year 960 minute winter	4.722	1.877	100 year +20% CC 480 minute winter	30.458	12.116
2 year 1440 minute summer	5.030	1.348	100 year +20% CC 600 minute summer	37.075	10.141
2 year 1440 minute winter	3.381	1.348	100 year +20% CC 600 minute winter	25.332	10.141
2 year 2880 minute summer	2.911	0.780	100 year +20% CC 720 minute summer	32.670	8.756
2 year 2880 minute winter	1.956	0.780	100 year +20% CC 720 minute winter	21.956	8.756
2 year 5760 minute summer	1.856	0.475	100 year +20% CC 960 minute summer	26.286	6.922
2 year 5760 minute winter	1.202	0.475	100 year +20% CC 960 minute winter	17.412	6.922
2 year 8640 minute summer	1.444	0.368	100 year +20% CC 1440 minute summer	18.382	4.927
2 year 8640 minute winter	0.932	0.368	100 year +20% CC 1440 minute winter	12.354	4.927
30 year 60 minute summer	142.625	37.692	100 year +20% CC 2880 minute summer	10.045	2.692
30 year 60 minute winter	94.757	37.692	100 year +20% CC 2880 minute winter	6.751	2.692
30 year 180 minute summer	65.363	16.820	100 year +20% CC 5760 minute summer	5.666	1.450
30 year 180 minute winter	42.488	16.820	100 year +20% CC 5760 minute winter	3.667	1.450
30 year 360 minute summer	37.910	9.756	100 year +20% CC 8640 minute summer	4.002	1.021
30 year 360 minute winter	24.643	9.756	100 year +20% CC 8640 minute winter	2.583	1.021
30 year 480 minute summer	29.202	7.717	100 year +40% CC 60 minute summer	264.308	69.849
30 year 480 minute winter	19.401	7.717	100 year +40% CC 60 minute winter	175.600	69.849
30 year 600 minute summer	23.452	6.415	100 year +40% CC 180 minute summer	118.147	30.403
30 year 600 minute winter	16.024	6.415	100 year +40% CC 180 minute winter	76.799	30.403
30 year 720 minute summer	20.543	5.506	100 year +40% CC 360 minute summer	68.908	17.732
30 year 720 minute winter	13.806	5.506	100 year +40% CC 360 minute winter	44.792	17.732
30 year 960 minute summer	16.378	4.313	100 year +40% CC 480 minute summer	53.486	14.135
30 year 960 minute winter	10.849	4.313	100 year +40% CC 480 minute winter	35.535	14.135
30 year 1440 minute summer	11.358	3.044	100 year +40% CC 600 minute summer	43.254	11.831
30 year 1440 minute winter	7.633	3.044	100 year +40% CC 600 minute winter	29.554	11.831



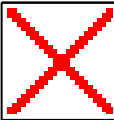
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File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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Rainfall

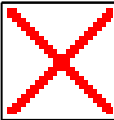
Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year +40% CC 720 minute summer	38.115	10.215	100 year +40% CC 2880 minute summer	11.719	3.141
100 year +40% CC 720 minute winter	25.615	10.215	100 year +40% CC 2880 minute winter	7.876	3.141
100 year +40% CC 960 minute summer	30.666	8.075	100 year +40% CC 5760 minute summer	6.610	1.692
100 year +40% CC 960 minute winter	20.314	8.075	100 year +40% CC 5760 minute winter	4.279	1.692
100 year +40% CC 1440 minute summer	21.446	5.748	100 year +40% CC 8640 minute summer	4.669	1.191
100 year +40% CC 1440 minute winter	14.413	5.748	100 year +40% CC 8640 minute winter	3.013	1.191



Results for 2 year Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S3	128	0.452	0.102	3.3	0.1106	0.0000	OK
180 minute winter	S4	124	0.418	0.098	3.8	0.1730	0.0000	OK
360 minute winter	Pond In 1	256	0.071	0.066	3.4	0.0000	0.0000	OK
180 minute winter	S10	116	0.465	0.035	0.3	0.0377	0.0000	OK
180 minute winter	S11	116	0.465	0.045	0.8	0.0488	0.0000	OK
180 minute winter	S12	116	0.464	0.054	0.9	0.0777	0.0000	OK
180 minute winter	S13	116	0.464	0.054	0.0	0.0585	0.0000	OK
180 minute winter	S14	116	0.464	0.064	1.2	0.0888	0.0000	OK
180 minute winter	S15	116	0.463	0.073	2.0	0.1184	0.0000	OK
180 minute winter	S16	116	0.461	0.081	1.9	0.0877	0.0000	OK
180 minute winter	S17	116	0.461	0.091	2.2	0.1226	0.0000	OK
180 minute winter	S18	116	0.460	0.100	2.6	0.1353	0.0000	OK
180 minute winter	S19	116	0.459	0.109	2.5	0.1183	0.0000	OK
180 minute winter	S1	128	0.456	0.066	0.3	0.0710	0.0000	OK
180 minute winter	S2	128	0.456	0.076	2.3	0.0817	0.0000	OK

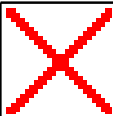
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S3	28.002	S4	3.2	0.125	0.115	1.1100	
180 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute winter	S4	28.003	Pond In 1	3.8	0.246	0.095	0.2271	
360 minute winter	Pond In 1	Flow through pond	Pond Out	10.0	0.014	0.001	77.3950	
180 minute winter	S10	2.001	S11	-0.3	-0.051	-0.002	0.0346	
180 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute winter	S11	1.001	S12	0.5	0.087	0.009	0.2624	
180 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute winter	S12	1.002	S14	0.7	0.082	0.006	0.1074	
180 minute winter	S13	8.000	S14	0.0	-0.033	0.000	0.1614	
180 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute winter	S14	1.003	S15	1.0	0.095	0.016	0.4126	
180 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute winter	S15	1.004	S16	1.9	0.152	0.035	0.6501	
180 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute winter	S16	1.005	S17	1.7	0.132	0.018	0.2324	
180 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute winter	S17	1.006	S18	2.1	0.122	0.021	0.2332	
180 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute winter	S18	1.007	S19	2.5	0.116	0.040	0.6959	
180 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute winter	S19	1.008	S20	2.3	0.086	0.050	1.4197	
180 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute winter	S1	30.000	S2	-0.3	-0.049	-0.007	0.9990	
180 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute winter	S2	18.000	S6	-1.6	-0.268	-0.858	0.0686	
180 minute winter	S2	32.000	S3	2.0	0.095	0.031	1.6935	



Results for 2 year Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S6	120	0.460	0.090	1.7	0.0971	0.0000	OK
180 minute winter	S9	120	0.462	0.022	0.7	0.0239	0.0000	OK
180 minute winter	S5	120	0.462	0.092	2.1	0.0995	0.0000	OK
180 minute winter	S7	120	0.460	0.100	2.6	0.1077	0.0000	OK
180 minute winter	S8	116	0.459	0.109	2.8	0.1179	0.0000	OK
180 minute winter	S20	116	0.458	0.118	6.2	0.3476	0.0000	OK
60 minute winter	S21	40	0.437	0.107	5.9	0.1416	0.0000	OK
60 minute summer	S22	37	0.438	0.108	3.1	0.1544	0.0000	OK
60 minute winter	S23	39	0.432	0.112	14.2	0.4996	0.0000	OK
60 minute winter	S24	38	0.408	0.098	16.0	0.1993	0.0000	OK
60 minute winter	Pond In 2	38	0.104	0.099	16.0	0.0000	0.0000	OK
360 minute winter	Pond Out	352	0.063	0.063	10.7	0.0000	0.0000	OK
360 minute winter	Control MH	344	0.099	0.249	13.8	0.4400	0.0000	OK
480 minute winter	Outfall 1	408	-0.646	0.044	6.5	0.0000	0.0000	OK
180 minute winter	PP1	116	0.869	0.039	1.2	2.0132	0.0000	OK
180 minute winter	PP2	132	0.990	0.040	4.5	11.9497	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)
180 minute winter	S6	17.001	S7	1.2	0.088	0.025	1.0652	
180 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute winter	S9	16.000	S5	0.7	0.058	0.002	0.1244	
180 minute winter	S9	5.000	S12	-0.4	-0.064	-0.004	0.3131	
180 minute winter	S9	2.000	S10	-0.3	-0.088	-0.004	0.0673	
180 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute winter	S5	15.001	S7	2.1	0.086	0.051	1.3790	
180 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute winter	S7	15.002	S8	2.8	0.135	0.039	0.5443	
180 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute winter	S8	15.003	S20	2.8	0.123	0.051	1.0114	
180 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute winter	S20	1.009	S21	6.2	0.211	0.220	3.5901	
180 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute winter	S21	1.010	S23	6.4	0.264	0.114	0.9275	
60 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute summer	S22	25.000	S23	-3.1	-0.141	-0.101	2.9791	
60 minute winter	S23	1.011	S24	13.4	0.483	0.150	0.3559	
60 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute winter	S24	1.012	Pond In 2	16.0	0.694	0.125	0.1437	
60 minute winter	Pond In 2	Flow through pond	Pond Out	15.0	0.033	0.002	40.9915	
360 minute winter	Pond Out	34.000	Control MH	13.8	0.469	0.096	0.3292	
360 minute winter	Control MH	34.001	Outfall	6.5	1.010	0.047	0.2224	150.7
180 minute winter	PP1	1.000	S11	0.8	0.338	0.275	0.0718	
180 minute winter	PP2	15.000	S5	1.6	0.534	0.335	0.1123	



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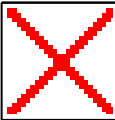
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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Results for 2 year Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP3	132	0.856	0.056	3.4	8.9581	0.0000	OK
720 minute winter	PP4	555	0.982	0.044	4.7	56.4557	0.0000	OK
360 minute winter	PP5	256	0.975	0.037	3.5	17.2901	0.0000	OK

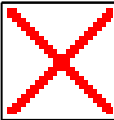
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP3	17.000	S6	1.2	0.341	0.485	0.1647	
720 minute winter	PP4	28.000	S2	1.2	0.420	0.357	0.1883	
360 minute winter	PP5	31.000	S3	1.4	0.522	0.290	0.1011	



Results for 30 year Critical Storm Duration. Lowest mass balance: 98.90%

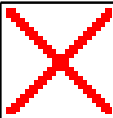
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S3	57	0.507	0.157	8.2	0.1696	0.0000	OK
60 minute winter	S4	42	0.462	0.142	9.6	0.2514	0.0000	OK
720 minute winter	Pond In 1	735	0.219	0.214	6.2	0.0000	0.0000	OK
60 minute winter	S10	43	0.567	0.137	2.7	0.1482	0.0000	OK
60 minute winter	S11	42	0.567	0.147	3.5	0.1591	0.0000	OK
60 minute winter	S12	43	0.567	0.157	6.6	0.2246	0.0000	OK
60 minute winter	S13	42	0.567	0.157	0.5	0.1698	0.0000	OK
60 minute winter	S14	42	0.567	0.167	5.4	0.2312	0.0000	OK
60 minute winter	S15	42	0.567	0.177	5.8	0.2857	0.0000	OK
60 minute winter	S16	42	0.566	0.186	4.7	0.2010	0.0000	OK
60 minute winter	S17	42	0.566	0.196	5.9	0.2647	0.0000	OK
60 minute winter	S18	42	0.565	0.205	7.3	0.2772	0.0000	OK
60 minute winter	S19	42	0.565	0.215	7.4	0.2317	0.0000	OK
60 minute winter	S1	57	0.510	0.120	2.0	0.1301	0.0000	OK
60 minute winter	S2	56	0.510	0.130	6.3	0.1409	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)
60 minute winter	S3	28.002	S4	8.1	0.182	0.287	1.9450	
60 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute winter	S4	28.003	Pond In 1	9.4	0.343	0.236	0.3976	
720 minute winter	Pond In 1	Flow through pond	Pond Out	15.8	0.014	0.002	285.3568	
60 minute winter	S10	2.001	S11	-2.7	-0.142	-0.019	0.2144	
60 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute winter	S11	1.001	S12	-2.0	-0.092	-0.033	1.2970	
60 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute winter	S12	1.002	S14	-3.4	-0.114	-0.031	0.4477	
60 minute winter	S13	8.000	S14	-0.5	-0.096	-0.006	0.6747	
60 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute winter	S14	1.003	S15	3.1	0.095	0.051	1.5027	
60 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute winter	S15	1.004	S16	4.7	0.189	0.089	2.1519	
60 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute winter	S16	1.005	S17	5.1	0.147	0.053	0.7059	
60 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute winter	S17	1.006	S18	6.1	0.161	0.058	0.6499	
60 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute winter	S18	1.007	S19	7.4	0.176	0.116	1.8016	
60 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute winter	S19	1.008	S20	7.8	0.108	0.168	3.4463	
60 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute winter	S1	30.000	S2	-2.0	-0.156	-0.052	2.2628	
60 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute winter	S2	18.000	S6	-4.9	-0.629	-2.649	0.0783	
60 minute winter	S2	32.000	S3	5.2	0.121	0.082	3.3112	



Results for 30 year Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S6	43	0.565	0.195	6.3	0.2109	0.0000	OK
60 minute winter	S9	43	0.568	0.128	4.5	0.1383	0.0000	OK
60 minute winter	S5	42	0.567	0.197	8.3	0.2126	0.0000	OK
60 minute winter	S7	43	0.565	0.205	8.7	0.2215	0.0000	OK
60 minute winter	S8	43	0.564	0.214	9.5	0.2315	0.0000	OK
60 minute winter	S20	43	0.563	0.223	21.7	0.6548	0.0000	OK
60 minute winter	S21	40	0.538	0.208	23.2	0.2754	0.0000	OK
60 minute summer	S22	35	0.536	0.206	6.1	0.2953	0.0000	OK
60 minute summer	S23	36	0.531	0.211	51.2	0.9438	0.0000	OK
60 minute summer	S24	35	0.497	0.187	58.4	0.3804	0.0000	OK
60 minute summer	Pond In 2	35	0.238	0.233	58.4	0.0000	0.0000	OK
720 minute winter	Pond Out	735	0.218	0.218	34.7	0.0000	0.0000	OK
600 minute winter	Control MH	675	0.235	0.385	34.2	0.6798	0.0000	SURCHARGED
720 minute winter	Outfall 1	750	-0.645	0.045	6.9	0.0000	0.0000	OK
60 minute winter	PP1	46	0.902	0.072	6.9	6.3228	0.0000	OK
180 minute winter	PP2	136	1.016	0.066	11.6	32.0172	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)
60 minute winter	S6	17.001	S7	-4.6	-0.115	-0.097	2.9908	
60 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute winter	S9	16.000	S5	5.2	0.147	0.019	0.4933	
60 minute winter	S9	5.000	S12	-2.2	-0.151	-0.027	1.9805	
60 minute winter	S9	2.000	S10	-2.4	-0.182	-0.030	0.6214	
60 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute winter	S5	15.001	S7	7.5	0.115	0.181	3.8229	
60 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute winter	S7	15.002	S8	-7.8	-0.197	-0.108	1.4155	
60 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute winter	S8	15.003	S20	-9.5	-0.207	-0.172	2.4586	
60 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute winter	S20	1.009	S21	22.4	0.322	0.793	8.8070	
60 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute winter	S21	1.010	S23	24.9	0.404	0.442	2.2438	
60 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute summer	S22	25.000	S23	-6.1	-0.128	-0.200	7.2474	
60 minute summer	S23	1.011	S24	47.4	0.710	0.531	0.8589	
60 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute summer	S24	1.012	Pond In 2	58.4	1.013	0.454	0.3583	
60 minute summer	Pond In 2	Flow through pond	Pond Out	54.3	0.060	0.007	140.6393	
720 minute winter	Pond Out	34.000	Control MH	24.4	0.501	0.170	0.5633	
600 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2316	258.9
60 minute winter	PP1	1.000	S11	2.2	0.448	0.777	0.1514	
180 minute winter	PP2	15.000	S5	3.5	0.665	0.749	0.2016	



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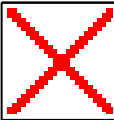
File: 9078 Holbeach Drove Gate - SW 10-01
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Results for 30 year Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP3	136	0.893	0.093	8.8	24.3691	0.0000	OK
360 minute winter	PP4	344	1.013	0.075	19.5	135.6694	0.0000	OK
180 minute winter	PP5	140	1.002	0.064	14.5	44.5028	0.0000	OK

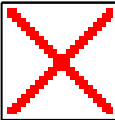
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP3	17.000	S6	2.5	0.414	1.034	0.2766	
360 minute winter	PP4	28.000	S2	2.7	0.511	0.808	0.3481	
180 minute winter	PP5	31.000	S3	3.4	0.666	0.713	0.1950	



Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S3	53	0.539	0.189	11.9	0.2038	0.0000	OK
60 minute winter	S4	41	0.494	0.174	15.3	0.3070	0.0000	OK
960 minute winter	Pond In 1	1005	0.410	0.405	8.5	0.0000	0.0000	OK
60 minute winter	S10	41	0.646	0.216	4.5	0.2328	0.0000	OK
60 minute winter	S11	41	0.646	0.226	6.1	0.2435	0.0000	OK
60 minute winter	S12	41	0.646	0.236	12.0	0.3367	0.0000	OK
60 minute winter	S13	41	0.646	0.236	0.9	0.2544	0.0000	OK
60 minute winter	S14	41	0.646	0.246	10.4	0.3396	0.0000	OK
60 minute winter	S15	41	0.645	0.255	9.3	0.4121	0.0000	OK
60 minute winter	S16	41	0.645	0.265	7.7	0.2857	0.0000	OK
60 minute winter	S17	41	0.644	0.274	9.9	0.3708	0.0000	OK
60 minute winter	S18	41	0.644	0.284	12.1	0.3829	0.0000	OK
60 minute winter	S19	41	0.643	0.293	12.3	0.3164	0.0000	OK
60 minute winter	S1	52	0.542	0.152	2.5	0.1646	0.0000	OK
60 minute winter	S2	52	0.542	0.162	8.5	0.1753	0.0000	OK

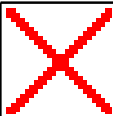
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S3	28.002	S4	11.9	0.210	0.422	2.4820	
60 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute winter	S4	28.003	Pond In 1	15.2	0.408	0.379	0.5337	
960 minute winter	Pond In 1	Flow through pond	Pond Out	19.1	0.014	0.002	555.5181	
60 minute winter	S10	2.001	S11	-4.5	-0.148	-0.031	0.3854	
60 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute winter	S11	1.001	S12	-3.8	-0.106	-0.063	2.2474	
60 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute winter	S12	1.002	S14	-6.9	-0.143	-0.063	0.7508	
60 minute winter	S13	8.000	S14	-0.9	-0.120	-0.010	1.1312	
60 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute winter	S14	1.003	S15	-5.3	0.106	-0.087	2.4446	
60 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute winter	S15	1.004	S16	7.7	0.197	0.147	3.4099	
60 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute winter	S16	1.005	S17	8.6	0.147	0.089	1.0919	
60 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute winter	S17	1.006	S18	10.2	0.169	0.099	0.9821	
60 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute winter	S18	1.007	S19	12.3	0.201	0.195	2.6658	
60 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute winter	S19	1.008	S20	13.4	0.130	0.287	5.0025	
60 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute winter	S1	30.000	S2	-2.5	-0.163	-0.063	3.0982	
60 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute winter	S2	18.000	S6	-5.9	-0.758	-3.206	0.0783	
60 minute winter	S2	32.000	S3	7.5	0.131	0.119	4.3462	



Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S6	42	0.643	0.273	7.9	0.2953	0.0000	OK
60 minute winter	S9	42	0.647	0.207	8.0	0.2230	0.0000	OK
60 minute winter	S5	41	0.645	0.275	12.8	0.2967	0.0000	OK
60 minute winter	S7	42	0.643	0.283	12.5	0.3061	0.0000	OK
60 minute winter	S8	42	0.642	0.292	13.3	0.3158	0.0000	OK
60 minute winter	S20	41	0.641	0.301	37.7	0.8838	0.0000	OK
60 minute winter	S21	40	0.609	0.279	41.1	0.3708	0.0000	OK
60 minute winter	S22	39	0.598	0.268	4.6	0.3836	0.0000	OK
60 minute winter	S23	39	0.597	0.277	81.0	1.2393	0.0000	OK
60 minute winter	S24	38	0.550	0.240	94.0	0.4888	0.0000	OK
960 minute winter	Pond In 2	945	0.411	0.406	22.0	0.0000	0.0000	OK
960 minute winter	Pond Out	1005	0.408	0.408	28.7	0.0000	0.0000	SURCHARGED
960 minute winter	Control MH	1005	0.407	0.557	30.4	0.9848	0.0000	SURCHARGED
2880 minute winter	Outfall 1	2880	-0.645	0.045	6.9	0.0000	0.0000	OK
60 minute winter	PP1	46	0.930	0.100	11.0	10.2219	0.0000	SURCHARGED
180 minute winter	PP2	140	1.039	0.089	18.0	51.5207	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)
60 minute winter	S6	17.001	S7	-5.8	-0.117	-0.124	4.5201	
60 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute winter	S9	16.000	S5	8.4	0.150	0.030	0.8211	
60 minute winter	S9	5.000	S12	-3.9	-0.155	-0.048	3.5531	
60 minute winter	S9	2.000	S10	-4.4	-0.182	-0.056	1.1632	
60 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute winter	S5	15.001	S7	12.3	0.128	0.296	5.7708	
60 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute winter	S7	15.002	S8	13.1	-0.233	0.182	2.0940	
60 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute winter	S8	15.003	S20	14.0	-0.216	0.252	3.5673	
60 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute winter	S20	1.009	S21	39.4	0.391	1.395	12.7293	
60 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute winter	S21	1.010	S23	43.5	0.482	0.773	3.2236	
60 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute winter	S22	25.000	S23	-4.6	-0.173	-0.151	10.1272	
60 minute winter	S23	1.011	S24	80.8	0.864	0.904	1.1978	
60 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute winter	S24	1.012	Pond In 2	94.0	1.175	0.731	0.4968	
960 minute winter	Pond In 2	Flow through pond	Pond Out	19.1	0.014	0.002	555.5181	
960 minute winter	Pond Out	34.000	Control MH	30.4	0.545	0.211	0.6338	
960 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	387.8
60 minute winter	PP1	1.000	S11	3.2	0.486	1.147	0.1957	
180 minute winter	PP2	15.000	S5	4.7	0.699	1.005	0.2552	



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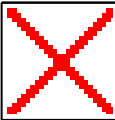
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Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP3	140	0.919	0.119	13.6	39.5906	0.0000	SURCHARGED
480 minute winter	PP4	456	1.045	0.107	24.2	216.9155	0.0000	SURCHARGED
180 minute winter	PP5	144	1.027	0.089	22.4	69.8955	0.0000	OK

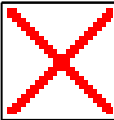
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP3	17.000	S6	3.2	0.453	1.311	0.2978	
480 minute winter	PP4	28.000	S2	3.7	0.522	1.105	0.4286	
180 minute winter	PP5	31.000	S3	4.7	0.709	1.004	0.2558	



Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.90%

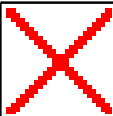
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S3	51	0.549	0.199	13.2	0.2154	0.0000	OK
60 minute winter	S4	40	0.506	0.186	17.8	0.3283	0.0000	OK
960 minute winter	Pond In 1	1020	0.485	0.480	9.8	0.0000	0.0000	OK
60 minute winter	S10	41	0.680	0.250	5.5	0.2701	0.0000	OK
60 minute winter	S11	41	0.680	0.260	7.0	0.2808	0.0000	OK
60 minute winter	S12	41	0.680	0.270	14.2	0.3858	0.0000	OK
60 minute winter	S13	41	0.680	0.270	1.1	0.2915	0.0000	OK
60 minute winter	S14	41	0.680	0.280	12.5	0.3871	0.0000	OK
60 minute winter	S15	41	0.679	0.289	10.8	0.4675	0.0000	OK
60 minute winter	S16	41	0.679	0.299	9.0	0.3227	0.0000	OK
60 minute winter	S17	41	0.679	0.309	11.7	0.4171	0.0000	OK
60 minute winter	S18	41	0.678	0.318	14.4	0.4291	0.0000	OK
60 minute winter	S19	41	0.677	0.327	14.9	0.3533	0.0000	OK
60 minute winter	S1	50	0.553	0.163	2.5	0.1764	0.0000	OK
60 minute winter	S2	50	0.553	0.173	9.3	0.1871	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)
60 minute winter	S3	28.002	S4	13.3	0.218	0.471	2.6910	
60 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute winter	S4	28.003	Pond In 1	17.8	0.432	0.443	0.5869	
960 minute winter	Pond In 1	Flow through pond	Pond Out	21.2	0.015	0.003	666.8434	
60 minute winter	S10	2.001	S11	-5.5	-0.148	-0.038	0.4626	
60 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute winter	S11	1.001	S12	-4.5	-0.108	-0.074	2.6696	
60 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute winter	S12	1.002	S14	-8.3	-0.149	-0.076	0.8834	
60 minute winter	S13	8.000	S14	-1.1	-0.125	-0.012	1.3309	
60 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute winter	S14	1.003	S15	-6.5	0.110	-0.108	2.8522	
60 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute winter	S15	1.004	S16	9.0	0.205	0.172	3.9477	
60 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute winter	S16	1.005	S17	10.1	0.143	0.105	1.2549	
60 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute winter	S17	1.006	S18	12.2	0.173	0.118	1.1207	
60 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute winter	S18	1.007	S19	14.9	0.209	0.235	3.0218	
60 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute winter	S19	1.008	S20	16.0	0.138	0.343	5.6364	
60 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute winter	S1	30.000	S2	-2.5	-0.163	-0.065	3.3930	
60 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute winter	S2	18.000	S6	-6.4	-0.822	-3.475	0.0783	
60 minute winter	S2	32.000	S3	8.4	0.136	0.134	4.7056	



Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S6	41	0.678	0.308	8.5	0.3326	0.0000	OK
60 minute winter	S9	41	0.681	0.241	9.9	0.2598	0.0000	OK
60 minute winter	S5	42	0.680	0.310	14.7	0.3344	0.0000	OK
60 minute winter	S7	41	0.678	0.318	14.8	0.3432	0.0000	OK
60 minute winter	S8	41	0.677	0.327	15.4	0.3529	0.0000	OK
60 minute winter	S20	41	0.675	0.335	45.4	0.9840	0.0000	OK
60 minute winter	S21	40	0.640	0.310	49.4	0.4118	0.0000	OK
60 minute winter	S22	38	0.628	0.298	5.0	0.4263	0.0000	OK
60 minute winter	S23	38	0.627	0.307	97.2	1.3712	0.0000	OK
60 minute winter	S24	38	0.575	0.265	112.4	0.5385	0.0000	OK
960 minute winter	Pond In 2	975	0.487	0.482	25.5	0.0000	0.0000	OK
960 minute winter	Pond Out	1065	0.483	0.483	32.3	0.0000	0.0000	SURCHARGED
960 minute winter	Control MH	1065	0.482	0.632	23.9	1.1172	0.0000	SURCHARGED
60 minute summer	Outfall 1	244	-0.645	0.045	6.9	0.0000	0.0000	OK
60 minute winter	PP1	47	0.943	0.113	12.8	12.0553	0.0000	SURCHARGED
180 minute winter	PP2	140	1.050	0.100	21.0	61.4685	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S6	17.001	S7	-6.2	0.123	-0.131	5.1638	
60 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute winter	S9	16.000	S5	10.1	0.145	0.036	0.9650	
60 minute winter	S9	5.000	S12	-5.0	-0.152	-0.062	4.2545	
60 minute winter	S9	2.000	S10	-5.3	-0.183	-0.066	1.4086	
60 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute winter	S5	15.001	S7	14.8	0.133	0.354	6.5930	
60 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute winter	S7	15.002	S8	15.4	-0.250	0.215	2.3756	
60 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute winter	S8	15.003	S20	16.6	-0.216	0.299	4.0217	
60 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute winter	S20	1.009	S21	47.5	0.417	1.680	14.3371	
60 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute winter	S21	1.010	S23	52.1	0.511	0.927	3.6293	
60 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute winter	S22	25.000	S23	-5.0	-0.186	-0.163	11.4157	
60 minute winter	S23	1.011	S24	96.9	0.918	1.084	1.3475	
60 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute winter	S24	1.012	Pond In 2	112.4	1.247	0.875	0.5597	
960 minute winter	Pond In 2	Flow through pond	Pond Out	21.2	0.015	0.003	666.8434	
960 minute winter	Pond Out	34.000	Control MH	23.9	0.370	0.166	0.6338	
960 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	390.8
60 minute winter	PP1	1.000	S11	3.6	0.507	1.289	0.2013	
180 minute winter	PP2	15.000	S5	4.8	0.699	1.045	0.2666	



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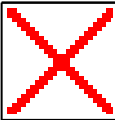
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Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP3	144	0.931	0.131	15.9	47.4957	0.0000	SURCHARGED
480 minute winter	PP4	456	1.062	0.124	28.2	257.5988	0.0000	SURCHARGED
180 minute winter	PP5	152	1.039	0.101	26.2	82.9110	0.0000	SURCHARGED

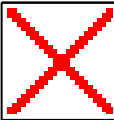
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP3	17.000	S6	3.3	0.469	1.367	0.3007	
480 minute winter	PP4	28.000	S2	3.9	0.536	1.158	0.4335	
180 minute winter	PP5	31.000	S3	4.9	0.710	1.044	0.2676	



Results for 2 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.97%

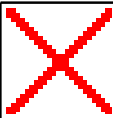
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S3	63	0.436	0.086	2.4	0.0924	0.0000	OK
60 minute summer	S4	61	0.402	0.082	2.6	0.1456	0.0000	OK
60 minute summer	Pond In 1	62	0.051	0.046	2.4	0.0000	0.0000	OK
60 minute summer	S10	39	0.463	0.033	0.4	0.0359	0.0000	OK
60 minute summer	S11	39	0.464	0.044	0.7	0.0471	0.0000	OK
60 minute summer	S12	38	0.463	0.053	1.2	0.0759	0.0000	OK
60 minute summer	S13	38	0.463	0.053	0.2	0.0572	0.0000	OK
60 minute summer	S14	38	0.463	0.063	1.5	0.0868	0.0000	OK
60 minute summer	S15	38	0.461	0.071	3.1	0.1148	0.0000	OK
60 minute summer	S16	38	0.455	0.075	2.7	0.0810	0.0000	OK
60 minute summer	S17	39	0.454	0.084	3.2	0.1129	0.0000	OK
60 minute summer	S18	45	0.453	0.093	4.0	0.1251	0.0000	OK
60 minute summer	S19	44	0.452	0.102	3.6	0.1102	0.0000	OK
60 minute summer	S1	62	0.439	0.049	0.6	0.0531	0.0000	OK
60 minute summer	S2	61	0.439	0.059	2.3	0.0639	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	S3	28.002	S4	2.2	0.110	0.079	0.8640	
60 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute summer	S4	28.003	Pond In 1	2.4	0.210	0.061	0.1725	
60 minute summer	Pond In 1	Flow through pond	Pond Out	12.9	0.031	0.002	37.5402	
60 minute summer	S10	2.001	S11	-0.4	-0.076	-0.003	0.0326	
60 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute summer	S11	1.001	S12	0.5	0.103	0.009	0.2513	
60 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute summer	S12	1.002	S14	0.7	0.098	0.007	0.1038	
60 minute summer	S13	8.000	S14	-0.2	-0.054	-0.002	0.1560	
60 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute summer	S14	1.003	S15	1.3	0.091	0.021	0.3964	
60 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute summer	S15	1.004	S16	2.7	0.196	0.051	0.5988	
60 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute summer	S16	1.005	S17	2.4	0.134	0.025	0.2068	
60 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute summer	S17	1.006	S18	3.0	0.156	0.029	0.2073	
60 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute summer	S18	1.007	S19	3.6	0.165	0.057	0.6258	
60 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute summer	S19	1.008	S20	3.4	0.126	0.073	1.2890	
60 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute summer	S1	30.000	S2	-0.6	-0.103	-0.015	0.6769	
60 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute summer	S2	18.000	S6	-1.8	-0.348	-0.957	0.0552	
60 minute summer	S2	32.000	S3	1.5	0.110	0.024	1.2592	



Results for 2 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S6	42	0.452	0.082	2.2	0.0884	0.0000	OK
60 minute summer	S9	40	0.457	0.017	0.8	0.0187	0.0000	OK
60 minute summer	S5	42	0.455	0.085	1.7	0.0921	0.0000	OK
60 minute summer	S7	42	0.452	0.092	3.5	0.0996	0.0000	OK
60 minute summer	S8	43	0.452	0.102	4.1	0.1096	0.0000	OK
60 minute summer	S20	43	0.451	0.111	9.3	0.3253	0.0000	OK
60 minute summer	S21	39	0.434	0.104	5.3	0.1381	0.0000	OK
60 minute summer	S22	37	0.438	0.108	3.1	0.1544	0.0000	OK
60 minute summer	S23	38	0.430	0.110	16.2	0.4932	0.0000	OK
60 minute summer	S24	35	0.407	0.097	15.8	0.1977	0.0000	OK
60 minute summer	Pond In 2	36	0.102	0.097	15.7	0.0000	0.0000	OK
60 minute summer	Pond Out	131	0.032	0.032	12.9	0.0000	0.0000	OK
60 minute summer	Control MH	132	-0.033	0.117	3.4	0.2076	0.0000	OK
60 minute summer	Outfall	133	-0.658	0.032	3.4	0.0000	0.0000	OK
60 minute summer	1							
60 minute summer	PP1	42	0.866	0.036	2.6	1.7202	0.0000	OK
60 minute summer	PP2	57	0.983	0.033	9.8	8.2005	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	S6	17.001	S7	-1.5	-0.083	-0.031	0.9424	
60 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute summer	S9	16.000	S5	0.7	0.083	0.003	0.1080	
60 minute summer	S9	5.000	S12	-0.4	-0.079	-0.005	0.2826	
60 minute summer	S9	2.000	S10	-0.3	-0.104	-0.004	0.0570	
60 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute summer	S5	15.001	S7	1.9	0.085	0.045	1.2339	
60 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute summer	S7	15.002	S8	-3.3	-0.197	-0.046	0.4887	
60 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute summer	S8	15.003	S20	-4.1	-0.179	-0.073	0.9171	
60 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute summer	S20	1.009	S21	5.1	0.192	0.182	3.3580	
60 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute summer	S21	1.010	S23	5.9	0.253	0.105	0.9040	
60 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute summer	S22	25.000	S23	-3.1	-0.141	-0.101	2.9791	
60 minute summer	S23	1.011	S24	13.1	0.482	0.146	0.3489	
60 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute summer	S24	1.012	Pond In 2	15.7	0.690	0.122	0.1420	
60 minute summer	Pond In 2	Flow through pond	Pond Out	12.9	0.031	0.002	37.5402	
60 minute summer	Pond Out	34.000	Control MH	3.4	0.318	0.024	0.1328	
60 minute summer	Control MH	34.001	Outfall	3.4	0.833	0.024	0.1411	42.1
60 minute summer	PP1	1.000	S11	0.7	0.324	0.235	0.0643	
60 minute summer	PP2	15.000	S5	1.1	0.484	0.235	0.0870	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

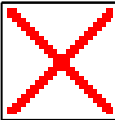
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 2 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	PP3	55	0.846	0.046	7.4	6.0958	0.0000	OK
60 minute summer	PP4	64	0.969	0.031	28.0	28.3027	0.0000	OK
60 minute summer	PP5	61	0.968	0.030	12.2	11.1069	0.0000	OK

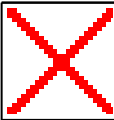
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	PP3	17.000	S6	0.8	0.309	0.341	0.1282	
60 minute summer	PP4	28.000	S2	0.6	0.351	0.186	0.1175	
60 minute summer	PP5	31.000	S3	0.9	0.464	0.190	0.0745	



Results for 2 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.97%

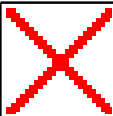
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S3	62	0.441	0.091	2.7	0.0986	0.0000	OK
60 minute winter	S4	59	0.407	0.087	2.9	0.1532	0.0000	OK
60 minute winter	Pond In 1	60	0.056	0.051	2.8	0.0000	0.0000	OK
60 minute winter	S10	41	0.464	0.034	0.4	0.0363	0.0000	OK
60 minute winter	S11	40	0.464	0.044	0.7	0.0475	0.0000	OK
60 minute winter	S12	41	0.463	0.053	1.1	0.0762	0.0000	OK
60 minute winter	S13	39	0.463	0.053	0.1	0.0574	0.0000	OK
60 minute winter	S14	41	0.463	0.063	1.4	0.0873	0.0000	OK
60 minute winter	S15	40	0.462	0.072	2.9	0.1162	0.0000	OK
60 minute winter	S16	45	0.459	0.079	2.6	0.0852	0.0000	OK
60 minute winter	S17	45	0.458	0.088	3.1	0.1194	0.0000	OK
60 minute winter	S18	44	0.458	0.098	3.8	0.1321	0.0000	OK
60 minute winter	S19	45	0.457	0.107	3.5	0.1156	0.0000	OK
60 minute winter	S1	62	0.445	0.055	0.7	0.0594	0.0000	OK
60 minute winter	S2	61	0.445	0.065	2.5	0.0701	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	S3	28.002	S4	2.6	0.117	0.091	0.9377	
60 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute winter	S4	28.003	Pond In 1	2.8	0.220	0.070	0.1874	
60 minute winter	Pond In 1	Flow through pond	Pond Out	15.0	0.033	0.002	40.9915	
60 minute winter	S10	2.001	S11	-0.4	-0.068	-0.003	0.0330	
60 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute winter	S11	1.001	S12	0.6	0.101	0.009	0.2539	
60 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute winter	S12	1.002	S14	0.7	0.095	0.006	0.1046	
60 minute winter	S13	8.000	S14	-0.1	-0.056	-0.001	0.1572	
60 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute winter	S14	1.003	S15	1.2	0.084	0.019	0.4018	
60 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute winter	S15	1.004	S16	2.6	0.185	0.049	0.6225	
60 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute winter	S16	1.005	S17	2.3	0.137	0.024	0.2233	
60 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute winter	S17	1.006	S18	3.0	0.153	0.029	0.2248	
60 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute winter	S18	1.007	S19	3.5	0.157	0.056	0.6730	
60 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute winter	S19	1.008	S20	3.0	0.114	0.065	1.3736	
60 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute winter	S1	30.000	S2	-0.7	-0.102	-0.017	0.7864	
60 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute winter	S2	18.000	S6	-2.0	-0.352	-1.054	0.0603	
60 minute winter	S2	32.000	S3	1.7	0.107	0.027	1.4040	



Results for 2 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.97%

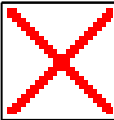
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S6	44	0.456	0.086	2.2	0.0929	0.0000	OK
60 minute winter	S9	45	0.459	0.019	0.8	0.0202	0.0000	OK
60 minute winter	S5	44	0.459	0.089	1.9	0.0959	0.0000	OK
60 minute winter	S7	44	0.456	0.096	2.9	0.1041	0.0000	OK
60 minute winter	S8	44	0.456	0.106	3.3	0.1146	0.0000	OK
60 minute winter	S20	44	0.456	0.116	8.4	0.3394	0.0000	OK
60 minute winter	S21	40	0.437	0.107	5.9	0.1416	0.0000	OK
60 minute winter	S22	37	0.433	0.103	2.2	0.1469	0.0000	OK
60 minute winter	S23	39	0.432	0.112	14.2	0.4996	0.0000	OK
60 minute winter	S24	38	0.408	0.098	16.0	0.1993	0.0000	OK
60 minute winter	Pond In 2	38	0.104	0.099	16.0	0.0000	0.0000	OK
60 minute winter	Pond Out	123	0.034	0.034	15.0	0.0000	0.0000	OK
60 minute winter	Control MH	124	-0.019	0.131	4.0	0.2313	0.0000	OK
60 minute winter	Outfall 1	125	-0.655	0.035	4.0	0.0000	0.0000	OK
60 minute winter	PP1	46	0.868	0.038	2.1	1.9033	0.0000	OK
60 minute winter	PP2	58	0.985	0.035	7.9	9.2149	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	S6	17.001	S7	-1.3	0.076	-0.029	1.0078	
60 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute winter	S9	16.000	S5	0.8	0.076	0.003	0.1152	
60 minute winter	S9	5.000	S12	-0.4	-0.076	-0.005	0.2876	
60 minute winter	S9	2.000	S10	-0.4	-0.101	-0.004	0.0590	
60 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute winter	S5	15.001	S7	1.9	0.086	0.047	1.3108	
60 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute winter	S7	15.002	S8	-2.6	-0.167	-0.036	0.5211	
60 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute winter	S8	15.003	S20	-3.3	-0.155	-0.060	0.9752	
60 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute winter	S20	1.009	S21	5.6	0.200	0.198	3.5635	
60 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute winter	S21	1.010	S23	6.4	0.264	0.114	0.9275	
60 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute winter	S22	25.000	S23	-2.2	-0.128	-0.072	2.9083	
60 minute winter	S23	1.011	S24	13.4	0.483	0.150	0.3559	
60 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute winter	S24	1.012	Pond In 2	16.0	0.694	0.125	0.1437	
60 minute winter	Pond In 2	Flow through pond	Pond Out	15.0	0.033	0.002	40.9915	
60 minute winter	Pond Out	34.000	Control MH	4.0	0.318	0.028	0.1528	
60 minute winter	Control MH	34.001	Outfall	4.0	0.876	0.029	0.1591	49.3
60 minute winter	PP1	1.000	S11	0.7	0.333	0.260	0.0691	
60 minute winter	PP2	15.000	S5	1.2	0.500	0.263	0.0943	



Results for 2 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP3	58	0.849	0.049	6.0	6.9056	0.0000	OK
60 minute winter	PP4	63	0.971	0.033	22.6	31.7811	0.0000	OK
60 minute winter	PP5	60	0.969	0.031	9.9	12.4929	0.0000	OK

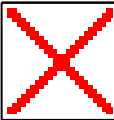
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	PP3	17.000	S6	0.9	0.319	0.383	0.1394	
60 minute winter	PP4	28.000	S2	0.7	0.362	0.209	0.1278	
60 minute winter	PP5	31.000	S3	1.0	0.479	0.213	0.0809	



Results for 2 year 180 minute summer. 420 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	S3	124	0.449	0.099	3.1	0.1071	0.0000	OK
180 minute summer	S4	116	0.414	0.094	3.5	0.1662	0.0000	OK
180 minute summer	Pond In 1	124	0.066	0.061	3.5	0.0000	0.0000	OK
180 minute summer	S10	108	0.464	0.034	0.3	0.0370	0.0000	OK
180 minute summer	S11	108	0.465	0.045	0.8	0.0482	0.0000	OK
180 minute summer	S12	108	0.464	0.054	1.0	0.0770	0.0000	OK
180 minute summer	S13	108	0.464	0.054	0.1	0.0581	0.0000	OK
180 minute summer	S14	108	0.464	0.064	1.2	0.0882	0.0000	OK
180 minute summer	S15	108	0.463	0.073	2.3	0.1179	0.0000	OK
180 minute summer	S16	108	0.461	0.081	2.0	0.0873	0.0000	OK
180 minute summer	S17	108	0.460	0.090	2.5	0.1222	0.0000	OK
180 minute summer	S18	108	0.460	0.100	3.1	0.1348	0.0000	OK
180 minute summer	S19	108	0.459	0.109	2.9	0.1177	0.0000	OK
180 minute summer	S1	120	0.453	0.063	0.4	0.0676	0.0000	OK
180 minute summer	S2	120	0.452	0.072	2.5	0.0783	0.0000	OK

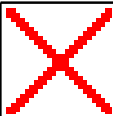
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S3	28.002	S4	3.0	0.122	0.108	1.0550	
180 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute summer	S4	28.003	Pond In 1	3.5	0.236	0.086	0.2144	
180 minute summer	Pond In 1	Flow through pond	Pond Out	13.0	0.025	0.002	57.2139	
180 minute summer	S10	2.001	S11	-0.3	-0.053	-0.002	0.0339	
180 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute summer	S11	1.001	S12	0.5	0.090	0.009	0.2582	
180 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute summer	S12	1.002	S14	0.6	0.084	0.006	0.1061	
180 minute summer	S13	8.000	S14	-0.1	-0.032	-0.001	0.1596	
180 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute summer	S14	1.003	S15	1.0	0.088	0.016	0.4092	
180 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute summer	S15	1.004	S16	2.0	0.153	0.039	0.6461	
180 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute summer	S16	1.005	S17	1.8	0.132	0.019	0.2311	
180 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute summer	S17	1.006	S18	2.4	0.122	0.023	0.2319	
180 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute summer	S18	1.007	S19	2.9	0.124	0.045	0.6916	
180 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute summer	S19	1.008	S20	2.5	0.090	0.054	1.4083	
180 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute summer	S1	30.000	S2	-0.4	-0.052	-0.009	0.9345	
180 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute summer	S2	18.000	S6	-1.8	-0.309	-0.976	0.0665	
180 minute summer	S2	32.000	S3	1.9	0.100	0.031	1.6063	



Results for 2 year 180 minute summer. 420 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	S6	112	0.459	0.089	2.0	0.0959	0.0000	OK
180 minute summer	S9	112	0.461	0.021	0.7	0.0227	0.0000	OK
180 minute summer	S5	112	0.461	0.091	2.0	0.0983	0.0000	OK
180 minute summer	S7	112	0.459	0.099	2.4	0.1066	0.0000	OK
180 minute summer	S8	112	0.458	0.108	2.6	0.1169	0.0000	OK
180 minute summer	S20	108	0.458	0.118	6.8	0.3454	0.0000	OK
180 minute summer	S21	104	0.436	0.106	6.3	0.1408	0.0000	OK
180 minute summer	S22	100	0.429	0.099	0.8	0.1423	0.0000	OK
180 minute summer	S23	100	0.429	0.109	13.2	0.4864	0.0000	OK
180 minute summer	S24	100	0.405	0.095	15.0	0.1929	0.0000	OK
180 minute summer	Pond In 2	100	0.100	0.095	15.0	0.0000	0.0000	OK
180 minute summer	Pond Out	192	0.047	0.047	13.0	0.0000	0.0000	OK
180 minute summer	Control MH	196	0.060	0.210	7.7	0.3706	0.0000	OK
180 minute summer	Outfall	192	-0.647	0.043	6.3	0.0000	0.0000	OK
180 minute summer	1							
180 minute summer	PP1	112	0.869	0.039	1.6	1.9769	0.0000	OK
180 minute summer	PP2	124	0.988	0.038	5.9	11.0063	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S6	17.001	S7	-1.1	0.085	-0.023	1.0480	
180 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute summer	S9	16.000	S5	0.6	0.062	0.002	0.1215	
180 minute summer	S9	5.000	S12	-0.4	-0.070	-0.005	0.3039	
180 minute summer	S9	2.000	S10	-0.3	-0.094	-0.004	0.0643	
180 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute summer	S5	15.001	S7	2.1	0.087	0.050	1.3574	
180 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute summer	S7	15.002	S8	2.6	0.131	0.036	0.5371	
180 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute summer	S8	15.003	S20	2.6	0.117	0.047	1.0007	
180 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute summer	S20	1.009	S21	6.0	0.207	0.214	3.6030	
180 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
180 minute summer	S21	1.010	S23	6.6	0.262	0.117	0.9040	
180 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
180 minute summer	S22	25.000	S23	-0.8	-0.051	-0.026	2.7941	
180 minute summer	S23	1.011	S24	12.8	0.479	0.143	0.3416	
180 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
180 minute summer	S24	1.012	Pond In 2	15.0	0.679	0.116	0.1371	
180 minute summer	Pond In 2	Flow through pond	Pond Out	13.0	0.025	0.002	57.2139	
180 minute summer	Pond Out	34.000	Control MH	7.7	0.301	0.054	0.2683	
180 minute summer	Control MH	34.001	Outfall	6.3	1.001	0.045	0.2177	94.7
180 minute summer	PP1	1.000	S11	0.8	0.337	0.270	0.0709	
180 minute summer	PP2	15.000	S5	1.4	0.523	0.310	0.1063	



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13 Gostwick
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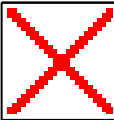
File: 9078 Holbeach Drove Gate - SW 10-01
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Results for 2 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	PP3	124	0.854	0.054	4.5	8.2238	0.0000	OK
180 minute summer	PP4	184	0.977	0.039	16.8	44.2775	0.0000	OK
180 minute summer	PP5	132	0.973	0.035	7.3	15.4187	0.0000	OK

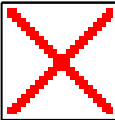
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	PP3	17.000	S6	1.1	0.334	0.450	0.1560	
180 minute summer	PP4	28.000	S2	1.0	0.395	0.286	0.1605	
180 minute summer	PP5	31.000	S3	1.2	0.507	0.260	0.0935	



Results for 2 year 180 minute winter. 420 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	S3	128	0.452	0.102	3.3	0.1106	0.0000	OK
180 minute winter	S4	124	0.418	0.098	3.8	0.1730	0.0000	OK
180 minute winter	Pond In 1	128	0.070	0.066	3.8	0.0000	0.0000	OK
180 minute winter	S10	116	0.465	0.035	0.3	0.0377	0.0000	OK
180 minute winter	S11	116	0.465	0.045	0.8	0.0488	0.0000	OK
180 minute winter	S12	116	0.464	0.054	0.9	0.0777	0.0000	OK
180 minute winter	S13	116	0.464	0.054	0.0	0.0585	0.0000	OK
180 minute winter	S14	116	0.464	0.064	1.2	0.0888	0.0000	OK
180 minute winter	S15	116	0.463	0.073	2.0	0.1184	0.0000	OK
180 minute winter	S16	116	0.461	0.081	1.9	0.0877	0.0000	OK
180 minute winter	S17	116	0.461	0.091	2.2	0.1226	0.0000	OK
180 minute winter	S18	116	0.460	0.100	2.6	0.1353	0.0000	OK
180 minute winter	S19	116	0.459	0.109	2.5	0.1183	0.0000	OK
180 minute winter	S1	128	0.456	0.066	0.3	0.0710	0.0000	OK
180 minute winter	S2	128	0.456	0.076	2.3	0.0817	0.0000	OK

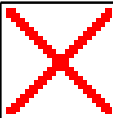
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S3	28.002	S4	3.2	0.125	0.115	1.1100	
180 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute winter	S4	28.003	Pond In 1	3.8	0.246	0.095	0.2271	
180 minute winter	Pond In 1	Flow through pond	Pond Out	11.2	0.024	0.001	65.8620	
180 minute winter	S10	2.001	S11	-0.3	-0.051	-0.002	0.0346	
180 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute winter	S11	1.001	S12	0.5	0.087	0.009	0.2624	
180 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute winter	S12	1.002	S14	0.7	0.082	0.006	0.1074	
180 minute winter	S13	8.000	S14	0.0	-0.033	0.000	0.1614	
180 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute winter	S14	1.003	S15	1.0	0.095	0.016	0.4126	
180 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute winter	S15	1.004	S16	1.9	0.152	0.035	0.6501	
180 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute winter	S16	1.005	S17	1.7	0.132	0.018	0.2324	
180 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute winter	S17	1.006	S18	2.1	0.122	0.021	0.2332	
180 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute winter	S18	1.007	S19	2.5	0.116	0.040	0.6959	
180 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute winter	S19	1.008	S20	2.3	0.086	0.050	1.4197	
180 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute winter	S1	30.000	S2	-0.3	-0.049	-0.007	0.9990	
180 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute winter	S2	18.000	S6	-1.6	-0.268	-0.858	0.0686	
180 minute winter	S2	32.000	S3	2.0	0.095	0.031	1.6935	



Results for 2 year 180 minute winter. 420 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	S6	120	0.460	0.090	1.7	0.0971	0.0000	OK
180 minute winter	S9	120	0.462	0.022	0.7	0.0239	0.0000	OK
180 minute winter	S5	120	0.462	0.092	2.1	0.0995	0.0000	OK
180 minute winter	S7	120	0.460	0.100	2.6	0.1077	0.0000	OK
180 minute winter	S8	116	0.459	0.109	2.8	0.1179	0.0000	OK
180 minute winter	S20	116	0.458	0.118	6.2	0.3476	0.0000	OK
180 minute winter	S21	108	0.434	0.104	6.5	0.1384	0.0000	OK
180 minute winter	S22	108	0.426	0.096	0.4	0.1367	0.0000	OK
180 minute winter	S23	104	0.425	0.105	12.1	0.4707	0.0000	OK
180 minute winter	S24	104	0.401	0.091	13.8	0.1858	0.0000	OK
180 minute winter	Pond In 2	108	0.096	0.091	13.8	0.0000	0.0000	OK
180 minute winter	Pond Out	204	0.054	0.054	11.2	0.0000	0.0000	OK
180 minute winter	Control MH	196	0.076	0.226	10.1	0.4000	0.0000	OK
180 minute winter	Outfall	200	-0.646	0.044	6.4	0.0000	0.0000	OK
180 minute winter	1							
180 minute winter	PP1	116	0.869	0.039	1.2	2.0132	0.0000	OK
180 minute winter	PP2	132	0.990	0.040	4.5	11.9497	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	S6	17.001	S7	1.2	0.088	0.025	1.0652	
180 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute winter	S9	16.000	S5	0.7	0.058	0.002	0.1244	
180 minute winter	S9	5.000	S12	-0.4	-0.064	-0.004	0.3131	
180 minute winter	S9	2.000	S10	-0.3	-0.088	-0.004	0.0673	
180 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute winter	S5	15.001	S7	2.1	0.086	0.051	1.3790	
180 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute winter	S7	15.002	S8	2.8	0.135	0.039	0.5443	
180 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute winter	S8	15.003	S20	2.8	0.123	0.051	1.0114	
180 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute winter	S20	1.009	S21	6.2	0.211	0.220	3.5901	
180 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
180 minute winter	S21	1.010	S23	6.7	0.267	0.119	0.8761	
180 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
180 minute winter	S22	25.000	S23	-0.4	-0.057	-0.015	2.6544	
180 minute winter	S23	1.011	S24	12.0	0.472	0.134	0.3250	
180 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
180 minute winter	S24	1.012	Pond In 2	13.8	0.659	0.107	0.1297	
180 minute winter	Pond In 2	Flow through pond	Pond Out	11.2	0.024	0.001	65.8620	
180 minute winter	Pond Out	34.000	Control MH	10.1	0.371	0.071	0.2951	
180 minute winter	Control MH	34.001	Outfall	6.4	1.005	0.046	0.2204	106.4
180 minute winter	PP1	1.000	S11	0.8	0.338	0.275	0.0718	
180 minute winter	PP2	15.000	S5	1.6	0.534	0.335	0.1123	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

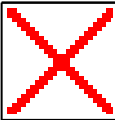
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Results for 2 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP3	132	0.856	0.056	3.4	8.9581	0.0000	OK
180 minute winter	PP4	180	0.979	0.041	13.0	49.9339	0.0000	OK
180 minute winter	PP5	140	0.975	0.037	5.6	17.1645	0.0000	OK

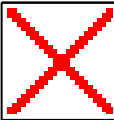
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP3	17.000	S6	1.2	0.341	0.485	0.1647	
180 minute winter	PP4	28.000	S2	1.1	0.408	0.319	0.1736	
180 minute winter	PP5	31.000	S3	1.4	0.521	0.288	0.1006	



Results for 2 year 360 minute summer. 600 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	S3	224	0.447	0.097	2.9	0.1046	0.0000	OK
360 minute summer	S4	216	0.413	0.093	3.4	0.1643	0.0000	OK
360 minute summer	Pond In 1	224	0.067	0.062	3.4	0.0000	0.0000	OK
360 minute summer	S10	208	0.458	0.028	0.2	0.0306	0.0000	OK
360 minute summer	S11	208	0.459	0.039	0.6	0.0416	0.0000	OK
360 minute summer	S12	208	0.457	0.047	0.8	0.0674	0.0000	OK
360 minute summer	S13	208	0.457	0.047	0.0	0.0507	0.0000	OK
360 minute summer	S14	208	0.457	0.057	1.0	0.0787	0.0000	OK
360 minute summer	S15	208	0.456	0.066	1.8	0.1063	0.0000	OK
360 minute summer	S16	208	0.454	0.074	1.6	0.0795	0.0000	OK
360 minute summer	S17	208	0.453	0.083	2.0	0.1125	0.0000	OK
360 minute summer	S18	208	0.453	0.093	2.4	0.1252	0.0000	OK
360 minute summer	S19	208	0.452	0.102	2.3	0.1101	0.0000	OK
360 minute summer	S1	216	0.450	0.060	0.2	0.0647	0.0000	OK
360 minute summer	S2	216	0.450	0.070	2.0	0.0755	0.0000	OK

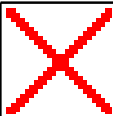
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S3	28.002	S4	2.9	0.119	0.102	1.0292	
360 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
360 minute summer	S4	28.003	Pond In 1	3.4	0.234	0.084	0.2105	
360 minute summer	Pond In 1	Flow through pond	Pond Out	9.6	0.013	0.001	65.6893	
360 minute summer	S10	2.001	S11	-0.2	-0.038	-0.001	0.0264	
360 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
360 minute summer	S11	1.001	S12	0.5	0.084	0.008	0.2101	
360 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
360 minute summer	S12	1.002	S14	0.6	0.091	0.005	0.0886	
360 minute summer	S13	8.000	S14	0.0	-0.026	0.000	0.1331	
360 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
360 minute summer	S14	1.003	S15	0.9	0.091	0.015	0.3494	
360 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
360 minute summer	S15	1.004	S16	1.6	0.131	0.031	0.5607	
360 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
360 minute summer	S16	1.005	S17	1.5	0.130	0.016	0.2038	
360 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
360 minute summer	S17	1.006	S18	1.9	0.119	0.018	0.2076	
360 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
360 minute summer	S18	1.007	S19	2.3	0.104	0.036	0.6265	
360 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
360 minute summer	S19	1.008	S20	2.1	0.081	0.045	1.2889	
360 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
360 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
360 minute summer	S1	30.000	S2	-0.2	-0.024	-0.004	0.8813	
360 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
360 minute summer	S2	18.000	S6	-1.2	-0.214	-0.662	0.0637	
360 minute summer	S2	32.000	S3	1.7	0.089	0.027	1.5407	



Results for 2 year 360 minute summer. 600 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	S6	208	0.452	0.082	1.3	0.0890	0.0000	OK
360 minute summer	S9	208	0.455	0.015	0.4	0.0158	0.0000	OK
360 minute summer	S5	208	0.455	0.085	1.8	0.0913	0.0000	OK
360 minute summer	S7	208	0.452	0.092	2.4	0.0997	0.0000	OK
360 minute summer	S8	208	0.452	0.102	2.5	0.1098	0.0000	OK
360 minute summer	S20	208	0.451	0.111	5.4	0.3254	0.0000	OK
360 minute summer	S21	200	0.427	0.097	5.6	0.1282	0.0000	OK
360 minute summer	S22	192	0.417	0.087	0.3	0.1245	0.0000	OK
360 minute summer	S23	192	0.417	0.097	10.2	0.4343	0.0000	OK
360 minute summer	S24	192	0.394	0.084	11.6	0.1707	0.0000	OK
360 minute summer	Pond In 2	192	0.087	0.082	11.6	0.0000	0.0000	OK
360 minute summer	Pond Out	328	0.054	0.054	9.6	0.0000	0.0000	OK
360 minute summer	Control MH	336	0.075	0.225	10.1	0.3977	0.0000	OK
360 minute summer	Outfall	320	-0.646	0.044	6.4	0.0000	0.0000	OK
360 minute summer	1							
360 minute summer	PP1	208	0.865	0.035	1.1	1.6593	0.0000	OK
360 minute summer	PP2	224	0.988	0.038	3.9	10.7949	0.0000	OK

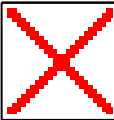
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S6	17.001	S7	1.0	0.090	0.022	0.9482	
360 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
360 minute summer	S9	16.000	S5	0.4	0.047	0.002	0.1053	
360 minute summer	S9	5.000	S12	-0.2	-0.051	-0.003	0.2355	
360 minute summer	S9	2.000	S10	-0.2	-0.078	-0.003	0.0445	
360 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
360 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
360 minute summer	S5	15.001	S7	1.8	0.081	0.042	1.2285	
360 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
360 minute summer	S7	15.002	S8	2.5	0.130	0.035	0.4903	
360 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
360 minute summer	S8	15.003	S20	2.6	0.115	0.046	0.9184	
360 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
360 minute summer	S20	1.009	S21	5.4	0.203	0.192	3.2449	
360 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
360 minute summer	S21	1.010	S23	5.7	0.254	0.102	0.7801	
360 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
360 minute summer	S22	25.000	S23	-0.3	-0.034	-0.010	2.3469	
360 minute summer	S23	1.011	S24	10.1	0.450	0.113	0.2889	
360 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
360 minute summer	S24	1.012	Pond In 2	11.6	0.634	0.090	0.1142	
360 minute summer	Pond In 2	Flow through pond	Pond Out	9.6	0.013	0.001	65.6893	
360 minute summer	Pond Out	34.000	Control MH	10.1	0.376	0.070	0.2933	
360 minute summer	Control MH	34.001	Outfall	6.4	1.005	0.046	0.2203	134.0
360 minute summer	PP1	1.000	S11	0.6	0.320	0.227	0.0626	
360 minute summer	PP2	15.000	S5	1.4	0.521	0.305	0.1049	



Results for 2 year 360 minute summer. 600 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	PP3	224	0.854	0.054	3.0	8.1612	0.0000	OK
360 minute summer	PP4	328	0.979	0.041	11.2	49.4157	0.0000	OK
360 minute summer	PP5	232	0.974	0.036	4.9	16.0300	0.0000	OK

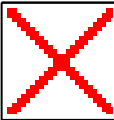
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	PP3	17.000	S6	1.1	0.334	0.446	0.1552	
360 minute summer	PP4	28.000	S2	1.1	0.407	0.316	0.1724	
360 minute summer	PP5	31.000	S3	1.3	0.512	0.270	0.0960	



Results for 2 year 360 minute winter. 600 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	S3	232	0.448	0.098	2.9	0.1054	0.0000	OK
360 minute winter	S4	232	0.414	0.094	3.4	0.1654	0.0000	OK
360 minute winter	Pond In 1	256	0.071	0.066	3.4	0.0000	0.0000	OK
360 minute winter	S10	216	0.457	0.027	0.2	0.0294	0.0000	OK
360 minute winter	S11	216	0.457	0.037	0.6	0.0404	0.0000	OK
360 minute winter	S12	216	0.456	0.046	0.8	0.0658	0.0000	OK
360 minute winter	S13	216	0.456	0.046	0.0	0.0494	0.0000	OK
360 minute winter	S14	216	0.456	0.056	1.0	0.0771	0.0000	OK
360 minute winter	S15	216	0.455	0.065	1.5	0.1044	0.0000	OK
360 minute winter	S16	216	0.452	0.072	1.4	0.0783	0.0000	OK
360 minute winter	S17	216	0.452	0.082	1.7	0.1109	0.0000	OK
360 minute winter	S18	216	0.452	0.092	1.9	0.1237	0.0000	OK
360 minute winter	S19	216	0.451	0.101	1.9	0.1089	0.0000	OK
360 minute winter	S1	232	0.450	0.060	0.1	0.0653	0.0000	OK
360 minute winter	S2	232	0.450	0.070	1.8	0.0761	0.0000	OK

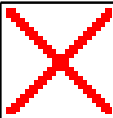
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S3	28.002	S4	2.9	0.121	0.104	1.0414	
360 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
360 minute winter	S4	28.003	Pond In 1	3.4	0.235	0.085	0.2128	
360 minute winter	Pond In 1	Flow through pond	Pond Out	10.0	0.014	0.001	77.3950	
360 minute winter	S10	2.001	S11	-0.2	-0.034	-0.001	0.0252	
360 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
360 minute winter	S11	1.001	S12	0.5	0.077	0.007	0.2022	
360 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
360 minute winter	S12	1.002	S14	0.6	0.089	0.005	0.0859	
360 minute winter	S13	8.000	S14	0.0	-0.031	0.000	0.1289	
360 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
360 minute winter	S14	1.003	S15	0.9	0.092	0.015	0.3401	
360 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
360 minute winter	S15	1.004	S16	1.4	0.131	0.027	0.5473	
360 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
360 minute winter	S16	1.005	S17	1.4	0.122	0.014	0.1995	
360 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
360 minute winter	S17	1.006	S18	1.6	0.122	0.016	0.2036	
360 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
360 minute winter	S18	1.007	S19	1.9	0.123	0.030	0.6160	
360 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
360 minute winter	S19	1.008	S20	1.8	0.077	0.039	1.2696	
360 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
360 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
360 minute winter	S1	30.000	S2	-0.1	-0.022	-0.003	0.8930	
360 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
360 minute winter	S2	18.000	S6	-0.9	0.175	-0.496	0.0638	
360 minute winter	S2	32.000	S3	1.6	0.083	0.026	1.5594	



Results for 2 year 360 minute winter. 600 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	S6	224	0.452	0.082	1.1	0.0887	0.0000	OK
360 minute winter	S9	224	0.454	0.014	0.4	0.0153	0.0000	OK
360 minute winter	S5	224	0.454	0.084	1.7	0.0909	0.0000	OK
360 minute winter	S7	224	0.452	0.092	2.5	0.0992	0.0000	OK
360 minute winter	S8	224	0.451	0.101	2.6	0.1090	0.0000	OK
360 minute winter	S20	216	0.450	0.110	5.4	0.3222	0.0000	OK
360 minute winter	S21	216	0.424	0.094	5.6	0.1241	0.0000	OK
360 minute winter	S22	200	0.413	0.083	0.2	0.1183	0.0000	OK
360 minute winter	S23	200	0.413	0.093	9.2	0.4142	0.0000	OK
360 minute winter	S24	200	0.389	0.079	10.3	0.1613	0.0000	OK
360 minute winter	Pond In 2	208	0.084	0.079	10.3	0.0000	0.0000	OK
360 minute winter	Pond Out	352	0.063	0.063	10.7	0.0000	0.0000	OK
360 minute winter	Control MH	344	0.099	0.249	13.8	0.4400	0.0000	OK
360 minute winter	Outfall 1	328	-0.646	0.044	6.5	0.0000	0.0000	OK
360 minute winter	PP1	216	0.864	0.034	0.8	1.5475	0.0000	OK
360 minute winter	PP2	240	0.989	0.039	2.8	11.2913	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	S6	17.001	S7	1.1	0.093	0.024	0.9419	
360 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
360 minute winter	S9	16.000	S5	0.3	0.038	0.001	0.1043	
360 minute winter	S9	5.000	S12	-0.2	-0.044	-0.002	0.2256	
360 minute winter	S9	2.000	S10	-0.2	-0.070	-0.002	0.0418	
360 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
360 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
360 minute winter	S5	15.001	S7	1.8	0.081	0.042	1.2201	
360 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
360 minute winter	S7	15.002	S8	2.6	0.134	0.037	0.4859	
360 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
360 minute winter	S8	15.003	S20	2.7	0.119	0.048	0.9067	
360 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
360 minute winter	S20	1.009	S21	5.4	0.203	0.190	3.1658	
360 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
360 minute winter	S21	1.010	S23	5.6	0.254	0.100	0.7391	
360 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
360 minute winter	S22	25.000	S23	-0.2	-0.042	-0.006	2.1871	
360 minute winter	S23	1.011	S24	9.2	0.437	0.103	0.2682	
360 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
360 minute winter	S24	1.012	Pond In 2	10.3	0.612	0.080	0.1048	
360 minute winter	Pond In 2	Flow through pond	Pond Out	10.0	0.014	0.001	77.3950	
360 minute winter	Pond Out	34.000	Control MH	13.8	0.469	0.096	0.3292	
360 minute winter	Control MH	34.001	Outfall	6.5	1.010	0.047	0.2224	150.7
360 minute winter	PP1	1.000	S11	0.6	0.314	0.211	0.0595	
360 minute winter	PP2	15.000	S5	1.5	0.526	0.318	0.1081	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

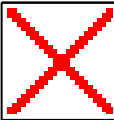
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 2 year 360 minute winter. 600 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	PP3	240	0.855	0.055	2.2	8.5744	0.0000	OK
360 minute winter	PP4	344	0.981	0.043	8.1	55.6024	0.0000	OK
360 minute winter	PP5	256	0.975	0.037	3.5	17.2901	0.0000	OK

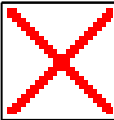
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	PP3	17.000	S6	1.1	0.338	0.467	0.1602	
360 minute winter	PP4	28.000	S2	1.2	0.419	0.352	0.1864	
360 minute winter	PP5	31.000	S3	1.4	0.522	0.290	0.1011	



Results for 2 year 480 minute summer. 720 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	S3	288	0.444	0.094	2.7	0.1017	0.0000	OK
480 minute summer	S4	280	0.411	0.091	3.2	0.1609	0.0000	OK
480 minute summer	Pond In 1	304	0.066	0.061	3.2	0.0000	0.0000	OK
480 minute summer	S10	264	0.456	0.026	0.1	0.0276	0.0000	OK
480 minute summer	S11	264	0.456	0.036	0.6	0.0386	0.0000	OK
480 minute summer	S12	264	0.454	0.044	0.8	0.0630	0.0000	OK
480 minute summer	S13	264	0.454	0.044	0.0	0.0472	0.0000	OK
480 minute summer	S14	264	0.454	0.054	1.0	0.0743	0.0000	OK
480 minute summer	S15	264	0.452	0.062	1.6	0.1007	0.0000	OK
480 minute summer	S16	264	0.450	0.070	1.5	0.0753	0.0000	OK
480 minute summer	S17	264	0.449	0.079	1.8	0.1071	0.0000	OK
480 minute summer	S18	264	0.449	0.089	2.2	0.1198	0.0000	OK
480 minute summer	S19	272	0.448	0.098	2.1	0.1057	0.0000	OK
480 minute summer	S1	288	0.447	0.057	0.1	0.0616	0.0000	OK
480 minute summer	S2	288	0.447	0.067	1.8	0.0724	0.0000	OK

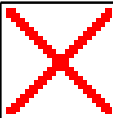
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S3	28.002	S4	2.7	0.117	0.096	0.9934	
480 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
480 minute summer	S4	28.003	Pond In 1	3.2	0.230	0.079	0.2032	
480 minute summer	Pond In 1	Flow through pond	Pond Out	9.3	0.011	0.001	66.6618	
480 minute summer	S10	2.001	S11	-0.1	-0.032	-0.001	0.0233	
480 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
480 minute summer	S11	1.001	S12	0.4	0.086	0.007	0.1893	
480 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
480 minute summer	S12	1.002	S14	0.6	0.096	0.005	0.0809	
480 minute summer	S13	8.000	S14	0.0	-0.026	0.000	0.1213	
480 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
480 minute summer	S14	1.003	S15	0.9	0.091	0.014	0.3221	
480 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
480 minute summer	S15	1.004	S16	1.5	0.126	0.029	0.5177	
480 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
480 minute summer	S16	1.005	S17	1.4	0.129	0.015	0.1889	
480 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
480 minute summer	S17	1.006	S18	1.8	0.106	0.017	0.1939	
480 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
480 minute summer	S18	1.007	S19	2.1	0.097	0.033	0.5890	
480 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
480 minute summer	S19	1.008	S20	1.9	0.077	0.041	1.2208	
480 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
480 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
480 minute summer	S1	30.000	S2	-0.1	-0.018	-0.003	0.8270	
480 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
480 minute summer	S2	18.000	S6	-1.0	-0.182	-0.529	0.0609	
480 minute summer	S2	32.000	S3	1.5	0.085	0.025	1.4702	



Results for 2 year 480 minute summer. 720 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	S6	272	0.449	0.079	1.1	0.0852	0.0000	OK
480 minute summer	S9	264	0.452	0.012	0.3	0.0125	0.0000	OK
480 minute summer	S5	272	0.451	0.081	1.6	0.0874	0.0000	OK
480 minute summer	S7	272	0.449	0.089	2.3	0.0958	0.0000	OK
480 minute summer	S8	272	0.448	0.098	2.4	0.1058	0.0000	OK
480 minute summer	S20	272	0.447	0.107	5.0	0.3140	0.0000	OK
480 minute summer	S21	264	0.422	0.092	5.3	0.1218	0.0000	OK
480 minute summer	S22	256	0.412	0.082	0.2	0.1173	0.0000	OK
480 minute summer	S23	256	0.412	0.092	9.1	0.4113	0.0000	OK
480 minute summer	S24	256	0.389	0.079	10.3	0.1608	0.0000	OK
480 minute summer	Pond In 2	256	0.082	0.077	10.3	0.0000	0.0000	OK
480 minute summer	Pond Out	384	0.054	0.054	9.3	0.0000	0.0000	OK
480 minute summer	Control MH	392	0.077	0.227	10.2	0.4017	0.0000	OK
480 minute summer	Outfall	416	-0.646	0.044	6.4	0.0000	0.0000	OK
480 minute summer	1							
480 minute summer	PP1	264	0.863	0.033	0.8	1.4804	0.0000	OK
480 minute summer	PP2	288	0.987	0.037	3.1	10.3124	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	S6	17.001	S7	1.0	0.091	0.022	0.8919	
480 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
480 minute summer	S9	16.000	S5	0.3	0.036	0.001	0.0969	
480 minute summer	S9	5.000	S12	-0.2	-0.041	-0.002	0.2060	
480 minute summer	S9	2.000	S10	-0.1	-0.067	-0.002	0.0364	
480 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
480 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
480 minute summer	S5	15.001	S7	1.6	0.079	0.039	1.1562	
480 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
480 minute summer	S7	15.002	S8	2.4	0.125	0.034	0.4637	
480 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
480 minute summer	S8	15.003	S20	2.4	0.110	0.044	0.8718	
480 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
480 minute summer	S20	1.009	S21	5.1	0.198	0.179	3.0583	
480 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
480 minute summer	S21	1.010	S23	5.3	0.248	0.094	0.7256	
480 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
480 minute summer	S22	25.000	S23	-0.2	-0.028	-0.008	2.1636	
480 minute summer	S23	1.011	S24	9.1	0.433	0.101	0.2662	
480 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
480 minute summer	S24	1.012	Pond In 2	10.3	0.611	0.080	0.1043	
480 minute summer	Pond In 2	Flow through pond	Pond Out	9.3	0.011	0.001	66.6618	
480 minute summer	Pond Out	34.000	Control MH	10.2	0.375	0.071	0.2967	
480 minute summer	Control MH	34.001	Outfall	6.4	1.006	0.046	0.2201	152.4
480 minute summer	PP1	1.000	S11	0.6	0.310	0.202	0.0577	
480 minute summer	PP2	15.000	S5	1.4	0.514	0.292	0.1018	



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13 Gostwick
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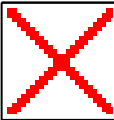
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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Results for 2 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	PP3	288	0.852	0.052	2.3	7.6678	0.0000	OK
480 minute summer	PP4	384	0.979	0.041	8.7	50.1185	0.0000	OK
480 minute summer	PP5	304	0.973	0.035	3.8	15.6551	0.0000	OK

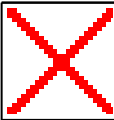
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	PP3	17.000	S6	1.0	0.328	0.422	0.1492	
480 minute summer	PP4	28.000	S2	1.1	0.408	0.320	0.1740	
480 minute summer	PP5	31.000	S3	1.2	0.509	0.264	0.0945	



Results for 2 year 480 minute winter. 720 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	S3	304	0.445	0.095	2.7	0.1022	0.0000	OK
480 minute winter	S4	288	0.411	0.091	3.2	0.1610	0.0000	OK
480 minute winter	Pond In 1	360	0.071	0.066	3.2	0.0000	0.0000	OK
480 minute winter	S10	272	0.454	0.024	0.1	0.0264	0.0000	OK
480 minute winter	S11	272	0.455	0.035	0.5	0.0374	0.0000	OK
480 minute winter	S12	272	0.453	0.043	0.7	0.0614	0.0000	OK
480 minute winter	S13	272	0.453	0.043	0.0	0.0460	0.0000	OK
480 minute winter	S14	272	0.453	0.053	0.9	0.0727	0.0000	OK
480 minute winter	S15	272	0.451	0.061	1.3	0.0987	0.0000	OK
480 minute winter	S16	280	0.448	0.068	1.3	0.0736	0.0000	OK
480 minute winter	S17	280	0.448	0.078	1.6	0.1050	0.0000	OK
480 minute winter	S18	280	0.447	0.087	1.8	0.1178	0.0000	OK
480 minute winter	S19	280	0.447	0.097	1.8	0.1044	0.0000	OK
480 minute winter	S1	304	0.447	0.057	0.1	0.0620	0.0000	OK
480 minute winter	S2	304	0.447	0.067	1.6	0.0727	0.0000	OK

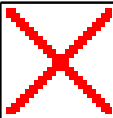
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S3	28.002	S4	2.7	0.118	0.097	0.9952	
480 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
480 minute winter	S4	28.003	Pond In 1	3.2	0.230	0.079	0.2034	
480 minute winter	Pond In 1	Flow through pond	Pond Out	9.3	0.012	0.001	77.3176	
480 minute winter	S10	2.001	S11	-0.1	-0.029	-0.001	0.0222	
480 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
480 minute winter	S11	1.001	S12	0.4	0.083	0.007	0.1818	
480 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
480 minute winter	S12	1.002	S14	0.6	0.091	0.005	0.0782	
480 minute winter	S13	8.000	S14	0.0	-0.023	0.000	0.1172	
480 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
480 minute winter	S14	1.003	S15	0.8	0.092	0.014	0.3124	
480 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
480 minute winter	S15	1.004	S16	1.3	0.124	0.025	0.5015	
480 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
480 minute winter	S16	1.005	S17	1.3	0.146	0.014	0.1834	
480 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
480 minute winter	S17	1.006	S18	1.5	0.124	0.015	0.1892	
480 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
480 minute winter	S18	1.007	S19	1.8	0.091	0.029	0.5775	
480 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
480 minute winter	S19	1.008	S20	1.8	0.073	0.038	1.2001	
480 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
480 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
480 minute winter	S1	30.000	S2	-0.1	-0.019	-0.002	0.8323	
480 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
480 minute winter	S2	18.000	S6	-0.7	0.179	-0.382	0.0608	
480 minute winter	S2	32.000	S3	1.5	0.080	0.024	1.4799	



Results for 2 year 480 minute winter. 720 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	S6	296	0.448	0.078	1.1	0.0843	0.0000	OK
480 minute winter	S9	272	0.451	0.011	0.3	0.0117	0.0000	OK
480 minute winter	S5	296	0.450	0.080	1.6	0.0864	0.0000	OK
480 minute winter	S7	288	0.448	0.088	2.4	0.0948	0.0000	OK
480 minute winter	S8	280	0.447	0.097	2.5	0.1045	0.0000	OK
480 minute winter	S20	280	0.446	0.106	5.0	0.3104	0.0000	OK
480 minute winter	S21	280	0.419	0.089	5.1	0.1186	0.0000	OK
480 minute winter	S22	272	0.408	0.078	0.1	0.1111	0.0000	OK
480 minute winter	S23	272	0.408	0.088	8.2	0.3915	0.0000	OK
480 minute winter	S24	272	0.385	0.075	9.1	0.1520	0.0000	OK
480 minute winter	Pond In 2	288	0.080	0.075	9.1	0.0000	0.0000	OK
480 minute winter	Pond Out	416	0.063	0.063	11.0	0.0000	0.0000	OK
480 minute winter	Control MH	424	0.098	0.248	13.9	0.4379	0.0000	OK
480 minute winter	Outfall	408	-0.646	0.044	6.5	0.0000	0.0000	OK
480 minute winter	1							
480 minute winter	PP1	272	0.862	0.032	0.6	1.3634	0.0000	OK
480 minute winter	PP2	304	0.987	0.037	2.3	10.4211	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	S6	17.001	S7	1.1	0.094	0.024	0.8789	
480 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
480 minute winter	S9	16.000	S5	0.3	0.032	0.001	0.0946	
480 minute winter	S9	5.000	S12	-0.1	-0.037	-0.002	0.1970	
480 minute winter	S9	2.000	S10	-0.1	-0.062	-0.002	0.0339	
480 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
480 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
480 minute winter	S5	15.001	S7	1.6	0.078	0.038	1.1379	
480 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
480 minute winter	S7	15.002	S8	2.5	0.130	0.034	0.4564	
480 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
480 minute winter	S8	15.003	S20	2.5	0.115	0.045	0.8576	
480 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
480 minute winter	S20	1.009	S21	4.9	0.199	0.175	2.9872	
480 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
480 minute winter	S21	1.010	S23	5.2	0.247	0.092	0.6877	
480 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
480 minute winter	S22	25.000	S23	-0.1	-0.033	-0.004	2.0080	
480 minute winter	S23	1.011	S24	8.2	0.422	0.092	0.2470	
480 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
480 minute winter	S24	1.012	Pond In 2	9.1	0.590	0.071	0.0961	
480 minute winter	Pond In 2	Flow through pond	Pond Out	9.3	0.012	0.001	77.3176	
480 minute winter	Pond Out	34.000	Control MH	13.9	0.489	0.097	0.3279	
480 minute winter	Control MH	34.001	Outfall	6.5	1.011	0.047	0.2230	172.8
480 minute winter	PP1	1.000	S11	0.5	0.302	0.186	0.0544	
480 minute winter	PP2	15.000	S5	1.4	0.516	0.295	0.1025	



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13 Gostwick
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Peterborough PE2 5XF

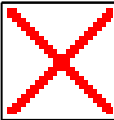
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Network: Holbeach
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Results for 2 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	PP3	312	0.853	0.053	1.7	7.8191	0.0000	OK
480 minute winter	PP4	408	0.982	0.044	6.5	56.3804	0.0000	OK
480 minute winter	PP5	328	0.974	0.036	2.8	16.6721	0.0000	OK

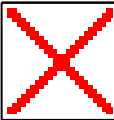
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	PP3	17.000	S6	1.0	0.330	0.430	0.1511	
480 minute winter	PP4	28.000	S2	1.2	0.420	0.356	0.1881	
480 minute winter	PP5	31.000	S3	1.3	0.517	0.280	0.0987	



Results for 2 year 600 minute summer. 840 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	S3	360	0.442	0.092	2.6	0.0991	0.0000	OK
600 minute summer	S4	345	0.408	0.088	2.9	0.1562	0.0000	OK
600 minute summer	Pond In 1	375	0.065	0.061	2.9	0.0000	0.0000	OK
600 minute summer	S10	330	0.454	0.024	0.1	0.0256	0.0000	OK
600 minute summer	S11	330	0.454	0.034	0.5	0.0366	0.0000	OK
600 minute summer	S12	330	0.452	0.042	0.7	0.0600	0.0000	OK
600 minute summer	S13	330	0.452	0.042	0.0	0.0448	0.0000	OK
600 minute summer	S14	330	0.452	0.052	0.9	0.0712	0.0000	OK
600 minute summer	S15	330	0.450	0.060	1.4	0.0966	0.0000	OK
600 minute summer	S16	345	0.446	0.066	1.3	0.0717	0.0000	OK
600 minute summer	S17	345	0.446	0.076	1.6	0.1026	0.0000	OK
600 minute summer	S18	345	0.446	0.086	1.9	0.1154	0.0000	OK
600 minute summer	S19	345	0.445	0.095	1.8	0.1023	0.0000	OK
600 minute summer	S1	360	0.445	0.055	0.1	0.0589	0.0000	OK
600 minute summer	S2	360	0.445	0.065	1.5	0.0697	0.0000	OK

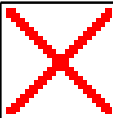
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S3	28.002	S4	2.6	0.115	0.091	0.9534	
600 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
600 minute summer	S4	28.003	Pond In 1	2.9	0.224	0.073	0.1936	
600 minute summer	Pond In 1	Flow through pond	Pond Out	8.7	0.010	0.001	66.4974	
600 minute summer	S10	2.001	S11	-0.1	-0.027	-0.001	0.0213	
600 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
600 minute summer	S11	1.001	S12	0.4	0.086	0.007	0.1757	
600 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
600 minute summer	S12	1.002	S14	0.6	0.097	0.005	0.0757	
600 minute summer	S13	8.000	S14	0.0	-0.013	0.000	0.1133	
600 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
600 minute summer	S14	1.003	S15	0.9	0.093	0.014	0.3027	
600 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
600 minute summer	S15	1.004	S16	1.3	0.129	0.026	0.4844	
600 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
600 minute summer	S16	1.005	S17	1.3	0.120	0.014	0.1771	
600 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
600 minute summer	S17	1.006	S18	1.6	0.107	0.015	0.1833	
600 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
600 minute summer	S18	1.007	S19	1.8	0.091	0.029	0.5608	
600 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
600 minute summer	S19	1.008	S20	1.7	0.073	0.037	1.1672	
600 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
600 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
600 minute summer	S1	30.000	S2	-0.1	-0.014	-0.002	0.7783	
600 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
600 minute summer	S2	18.000	S6	-0.8	0.174	-0.416	0.0586	
600 minute summer	S2	32.000	S3	1.4	0.081	0.023	1.4063	



Results for 2 year 600 minute summer. 840 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	S6	345	0.446	0.076	1.0	0.0820	0.0000	OK
600 minute summer	S9	330	0.450	0.010	0.2	0.0111	0.0000	OK
600 minute summer	S5	345	0.448	0.078	1.5	0.0841	0.0000	OK
600 minute summer	S7	345	0.446	0.086	2.2	0.0926	0.0000	OK
600 minute summer	S8	345	0.445	0.095	2.3	0.1024	0.0000	OK
600 minute summer	S20	345	0.444	0.104	4.7	0.3044	0.0000	OK
600 minute summer	S21	330	0.418	0.088	4.9	0.1169	0.0000	OK
600 minute summer	S22	330	0.407	0.077	0.2	0.1102	0.0000	OK
600 minute summer	S23	330	0.407	0.087	8.2	0.3888	0.0000	OK
600 minute summer	S24	315	0.385	0.075	9.1	0.1519	0.0000	OK
600 minute summer	Pond In 2	330	0.078	0.073	9.1	0.0000	0.0000	OK
600 minute summer	Pond Out	450	0.054	0.054	8.7	0.0000	0.0000	OK
600 minute summer	Control MH	510	0.071	0.221	9.3	0.3914	0.0000	OK
600 minute summer	Outfall	405	-0.647	0.043	6.4	0.0000	0.0000	OK
600 minute summer	1							
600 minute summer	PP1	330	0.862	0.032	0.7	1.3544	0.0000	OK
600 minute summer	PP2	360	0.986	0.036	2.5	9.6967	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	S6	17.001	S7	1.0	0.091	0.022	0.8473	
600 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
600 minute summer	S9	16.000	S5	0.2	0.029	0.001	0.0908	
600 minute summer	S9	5.000	S12	-0.1	-0.033	-0.001	0.1891	
600 minute summer	S9	2.000	S10	-0.1	-0.060	-0.001	0.0320	
600 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
600 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
600 minute summer	S5	15.001	S7	1.5	0.076	0.035	1.0972	
600 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
600 minute summer	S7	15.002	S8	2.3	0.125	0.031	0.4422	
600 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
600 minute summer	S8	15.003	S20	2.3	0.110	0.041	0.8336	
600 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
600 minute summer	S20	1.009	S21	4.7	0.194	0.168	2.9044	
600 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
600 minute summer	S21	1.010	S23	5.0	0.243	0.089	0.6778	
600 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
600 minute summer	S22	25.000	S23	-0.2	-0.026	-0.006	1.9873	
600 minute summer	S23	1.011	S24	8.1	0.419	0.090	0.2452	
600 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
600 minute summer	S24	1.012	Pond In 2	9.1	0.589	0.070	0.0959	
600 minute summer	Pond In 2	Flow through pond	Pond Out	8.7	0.010	0.001	66.4974	
600 minute summer	Pond Out	34.000	Control MH	9.3	0.334	0.065	0.2874	
600 minute summer	Control MH	34.001	Outfall	6.4	1.005	0.046	0.2194	169.0
600 minute summer	PP1	1.000	S11	0.5	0.301	0.184	0.0541	
600 minute summer	PP2	15.000	S5	1.3	0.506	0.276	0.0977	



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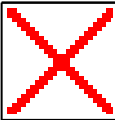
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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Results for 2 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	PP3	360	0.851	0.051	1.9	7.2647	0.0000	OK
600 minute summer	PP4	450	0.979	0.041	7.1	50.3813	0.0000	OK
600 minute summer	PP5	375	0.973	0.035	3.1	15.1839	0.0000	OK

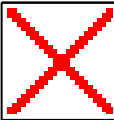
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	PP3	17.000	S6	1.0	0.324	0.402	0.1442	
600 minute summer	PP4	28.000	S2	1.1	0.409	0.322	0.1746	
600 minute summer	PP5	31.000	S3	1.2	0.505	0.256	0.0926	



Results for 2 year 600 minute winter. 840 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	S3	390	0.441	0.091	2.5	0.0985	0.0000	OK
600 minute winter	S4	360	0.408	0.088	2.9	0.1548	0.0000	OK
600 minute winter	Pond In 1	435	0.069	0.064	2.9	0.0000	0.0000	OK
600 minute winter	S10	345	0.450	0.020	0.1	0.0221	0.0000	OK
600 minute winter	S11	345	0.451	0.031	0.4	0.0330	0.0000	OK
600 minute winter	S12	360	0.448	0.038	0.6	0.0544	0.0000	OK
600 minute winter	S13	360	0.447	0.037	0.0	0.0405	0.0000	OK
600 minute winter	S14	360	0.447	0.047	0.7	0.0657	0.0000	OK
600 minute winter	S15	360	0.446	0.056	1.1	0.0902	0.0000	OK
600 minute winter	S16	375	0.443	0.063	1.1	0.0685	0.0000	OK
600 minute winter	S17	375	0.443	0.073	1.3	0.0987	0.0000	OK
600 minute winter	S18	375	0.443	0.083	1.5	0.1115	0.0000	OK
600 minute winter	S19	375	0.442	0.092	1.5	0.0993	0.0000	OK
600 minute winter	S1	375	0.444	0.054	0.1	0.0582	0.0000	OK
600 minute winter	S2	375	0.444	0.064	1.4	0.0690	0.0000	OK

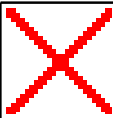
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S3	28.002	S4	2.5	0.114	0.090	0.9443	
600 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
600 minute winter	S4	28.003	Pond In 1	2.9	0.222	0.072	0.1908	
600 minute winter	Pond In 1	Flow through pond	Pond Out	8.5	0.010	0.001	74.3832	
600 minute winter	S10	2.001	S11	-0.1	-0.020	0.000	0.0177	
600 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
600 minute winter	S11	1.001	S12	0.4	0.084	0.006	0.1509	
600 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
600 minute winter	S12	1.002	S14	0.5	0.096	0.005	0.0664	
600 minute winter	S13	8.000	S14	0.0	-0.014	0.000	0.0992	
600 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
600 minute winter	S14	1.003	S15	0.7	0.092	0.012	0.2716	
600 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
600 minute winter	S15	1.004	S16	1.1	0.117	0.021	0.4464	
600 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
600 minute winter	S16	1.005	S17	1.1	0.117	0.011	0.1665	
600 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
600 minute winter	S17	1.006	S18	1.3	0.096	0.012	0.1739	
600 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
600 minute winter	S18	1.007	S19	1.5	0.082	0.023	0.5358	
600 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
600 minute winter	S19	1.008	S20	1.5	0.064	0.031	1.1219	
600 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
600 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
600 minute winter	S1	30.000	S2	-0.1	-0.015	-0.001	0.7658	
600 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
600 minute winter	S2	18.000	S6	0.5	0.180	0.273	0.0575	
600 minute winter	S2	32.000	S3	1.3	0.076	0.021	1.3912	



Results for 2 year 600 minute winter. 840 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	S6	375	0.444	0.074	1.1	0.0801	0.0000	OK
600 minute winter	S9	360	0.448	0.008	0.1	0.0082	0.0000	OK
600 minute winter	S5	375	0.446	0.076	1.4	0.0819	0.0000	OK
600 minute winter	S7	375	0.444	0.084	2.3	0.0904	0.0000	OK
600 minute winter	S8	375	0.442	0.092	2.3	0.0999	0.0000	OK
600 minute winter	S20	375	0.441	0.101	4.5	0.2967	0.0000	OK
600 minute winter	S21	360	0.414	0.084	4.7	0.1121	0.0000	OK
600 minute winter	S22	330	0.402	0.072	0.1	0.1033	0.0000	OK
600 minute winter	S23	330	0.402	0.082	7.2	0.3673	0.0000	OK
600 minute winter	S24	330	0.380	0.070	7.9	0.1430	0.0000	OK
600 minute winter	Pond In 2	360	0.075	0.070	7.9	0.0000	0.0000	OK
600 minute winter	Pond Out	480	0.060	0.060	9.0	0.0000	0.0000	OK
600 minute winter	Control MH	450	0.089	0.239	12.9	0.4224	0.0000	OK
600 minute winter	Outfall	465	-0.646	0.044	6.5	0.0000	0.0000	OK
600 minute winter	1							
600 minute winter	PP1	345	0.860	0.030	0.5	1.1734	0.0000	OK
600 minute winter	PP2	375	0.986	0.036	1.9	9.6419	0.0000	OK

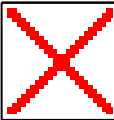
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S6	17.001	S7	1.1	0.094	0.023	0.8191	
600 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
600 minute winter	S9	16.000	S5	0.1	0.016	0.000	0.0863	
600 minute winter	S9	5.000	S12	0.0	-0.017	-0.001	0.1589	
600 minute winter	S9	2.000	S10	-0.1	-0.049	-0.001	0.0242	
600 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
600 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
600 minute winter	S5	15.001	S7	1.4	0.073	0.033	1.0584	
600 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
600 minute winter	S7	15.002	S8	2.3	0.126	0.032	0.4271	
600 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
600 minute winter	S8	15.003	S20	2.3	0.111	0.042	0.8039	
600 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
600 minute winter	S20	1.009	S21	4.5	0.193	0.160	2.7794	
600 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
600 minute winter	S21	1.010	S23	4.7	0.241	0.083	0.6301	
600 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
600 minute winter	S22	25.000	S23	-0.1	-0.031	-0.003	1.8211	
600 minute winter	S23	1.011	S24	7.1	0.403	0.080	0.2255	
600 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
600 minute winter	S24	1.012	Pond In 2	7.9	0.561	0.062	0.0876	
600 minute winter	Pond In 2	Flow through pond	Pond Out	8.5	0.010	0.001	74.3832	
600 minute winter	Pond Out	34.000	Control MH	12.9	0.422	0.090	0.3154	
600 minute winter	Control MH	34.001	Outfall	6.5	1.009	0.047	0.2220	187.6
600 minute winter	PP1	1.000	S11	0.4	0.289	0.159	0.0487	
600 minute winter	PP2	15.000	S5	1.3	0.505	0.275	0.0973	



Results for 2 year 600 minute winter. 840 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	PP3	375	0.850	0.050	1.4	7.2326	0.0000	OK
600 minute winter	PP4	465	0.982	0.044	5.4	56.4522	0.0000	OK
600 minute winter	PP5	405	0.974	0.036	2.4	15.8946	0.0000	OK

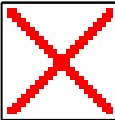
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	PP3	17.000	S6	1.0	0.323	0.400	0.1438	
600 minute winter	PP4	28.000	S2	1.2	0.420	0.357	0.1883	
600 minute winter	PP5	31.000	S3	1.3	0.511	0.268	0.0955	



Results for 2 year 720 minute summer. 960 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	S3	420	0.439	0.089	2.4	0.0962	0.0000	OK
720 minute summer	S4	405	0.406	0.086	2.8	0.1528	0.0000	OK
720 minute summer	Pond In 1	435	0.064	0.059	2.8	0.0000	0.0000	OK
720 minute summer	S10	390	0.451	0.021	0.1	0.0229	0.0000	OK
720 minute summer	S11	390	0.451	0.031	0.5	0.0338	0.0000	OK
720 minute summer	S12	390	0.449	0.039	0.7	0.0551	0.0000	OK
720 minute summer	S13	390	0.448	0.038	0.0	0.0409	0.0000	OK
720 minute summer	S14	390	0.448	0.048	0.9	0.0662	0.0000	OK
720 minute summer	S15	390	0.446	0.056	1.3	0.0905	0.0000	OK
720 minute summer	S16	405	0.443	0.063	1.3	0.0678	0.0000	OK
720 minute summer	S17	405	0.442	0.072	1.5	0.0978	0.0000	OK
720 minute summer	S18	405	0.442	0.082	1.8	0.1105	0.0000	OK
720 minute summer	S19	405	0.441	0.091	1.8	0.0984	0.0000	OK
720 minute summer	S1	420	0.442	0.052	0.1	0.0559	0.0000	OK
720 minute summer	S2	420	0.442	0.062	1.4	0.0667	0.0000	OK

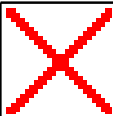
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S3	28.002	S4	2.4	0.112	0.086	0.9169	
720 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
720 minute summer	S4	28.003	Pond In 1	2.8	0.219	0.069	0.1867	
720 minute summer	Pond In 1	Flow through pond	Pond Out	8.5	0.009	0.001	64.7851	
720 minute summer	S10	2.001	S11	-0.1	-0.021	-0.001	0.0185	
720 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
720 minute summer	S11	1.001	S12	0.4	0.086	0.007	0.1548	
720 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
720 minute summer	S12	1.002	S14	0.6	0.097	0.005	0.0673	
720 minute summer	S13	8.000	S14	0.0	-0.013	0.000	0.1005	
720 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
720 minute summer	S14	1.003	S15	0.8	0.094	0.014	0.2739	
720 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
720 minute summer	S15	1.004	S16	1.3	0.123	0.024	0.4440	
720 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
720 minute summer	S16	1.005	S17	1.2	0.122	0.013	0.1643	
720 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
720 minute summer	S17	1.006	S18	1.5	0.106	0.015	0.1716	
720 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
720 minute summer	S18	1.007	S19	1.8	0.089	0.028	0.5290	
720 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
720 minute summer	S19	1.008	S20	1.7	0.072	0.036	1.1072	
720 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
720 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
720 minute summer	S1	30.000	S2	-0.1	-0.012	-0.002	0.7260	
720 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
720 minute summer	S2	18.000	S6	-0.6	0.174	-0.338	0.0556	
720 minute summer	S2	32.000	S3	1.3	0.077	0.021	1.3363	



Results for 2 year 720 minute summer. 960 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	S6	405	0.442	0.072	1.0	0.0782	0.0000	OK
720 minute summer	S9	390	0.448	0.008	0.1	0.0087	0.0000	OK
720 minute summer	S5	405	0.444	0.074	1.3	0.0801	0.0000	OK
720 minute summer	S7	405	0.442	0.082	2.1	0.0887	0.0000	OK
720 minute summer	S8	405	0.441	0.091	2.1	0.0985	0.0000	OK
720 minute summer	S20	405	0.440	0.100	4.4	0.2939	0.0000	OK
720 minute summer	S21	390	0.415	0.085	4.6	0.1125	0.0000	OK
720 minute summer	S22	390	0.404	0.074	0.1	0.1053	0.0000	OK
720 minute summer	S23	390	0.404	0.084	7.4	0.3733	0.0000	OK
720 minute summer	S24	375	0.382	0.072	8.2	0.1455	0.0000	OK
720 minute summer	Pond In 2	390	0.074	0.069	8.2	0.0000	0.0000	OK
720 minute summer	Pond Out	510	0.053	0.053	8.5	0.0000	0.0000	OK
720 minute summer	Control MH	495	0.073	0.223	9.6	0.3939	0.0000	OK
720 minute summer	Outfall	555	-0.647	0.043	6.4	0.0000	0.0000	OK
720 minute summer	1							
720 minute summer	PP1	390	0.861	0.031	0.6	1.2486	0.0000	OK
720 minute summer	PP2	420	0.985	0.035	2.2	8.9911	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	S6	17.001	S7	1.0	0.091	0.022	0.7945	
720 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
720 minute summer	S9	16.000	S5	0.1	0.019	0.000	0.0839	
720 minute summer	S9	5.000	S12	-0.1	-0.019	-0.001	0.1625	
720 minute summer	S9	2.000	S10	-0.1	-0.052	-0.001	0.0258	
720 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
720 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
720 minute summer	S5	15.001	S7	1.3	0.072	0.031	1.0281	
720 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
720 minute summer	S7	15.002	S8	2.1	0.124	0.030	0.4174	
720 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
720 minute summer	S8	15.003	S20	2.2	0.109	0.039	0.7909	
720 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
720 minute summer	S20	1.009	S21	4.4	0.190	0.155	2.7585	
720 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
720 minute summer	S21	1.010	S23	4.6	0.238	0.082	0.6404	
720 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
720 minute summer	S22	25.000	S23	-0.1	-0.021	-0.004	1.8680	
720 minute summer	S23	1.011	S24	7.4	0.407	0.083	0.2307	
720 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
720 minute summer	S24	1.012	Pond In 2	8.2	0.569	0.064	0.0899	
720 minute summer	Pond In 2	Flow through pond	Pond Out	8.5	0.009	0.001	64.7851	
720 minute summer	Pond Out	34.000	Control MH	9.6	0.346	0.067	0.2901	
720 minute summer	Control MH	34.001	Outfall	6.4	1.004	0.046	0.2197	180.6
720 minute summer	PP1	1.000	S11	0.5	0.294	0.170	0.0510	
720 minute summer	PP2	15.000	S5	1.2	0.496	0.257	0.0927	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

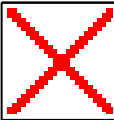
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Network: Holbeach
Terry Stafford
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Results for 2 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	PP3	420	0.849	0.049	1.7	6.7943	0.0000	OK
720 minute summer	PP4	510	0.979	0.041	6.3	50.2987	0.0000	OK
720 minute summer	PP5	435	0.972	0.034	2.7	14.6598	0.0000	OK

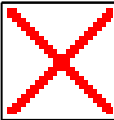
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	PP3	17.000	S6	0.9	0.318	0.378	0.1379	
720 minute summer	PP4	28.000	S2	1.1	0.409	0.321	0.1744	
720 minute summer	PP5	31.000	S3	1.2	0.500	0.248	0.0903	



Results for 2 year 720 minute winter. 960 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	S3	435	0.438	0.088	2.4	0.0954	0.0000	OK
720 minute winter	S4	420	0.406	0.086	2.7	0.1516	0.0000	OK
720 minute winter	Pond In 1	510	0.066	0.062	2.7	0.0000	0.0000	OK
720 minute winter	S10	420	0.449	0.019	0.0	0.0202	0.0000	OK
720 minute winter	S11	420	0.449	0.029	0.4	0.0310	0.0000	OK
720 minute winter	S12	420	0.446	0.036	0.5	0.0515	0.0000	OK
720 minute winter	S13	420	0.445	0.035	0.0	0.0382	0.0000	OK
720 minute winter	S14	420	0.445	0.045	0.7	0.0627	0.0000	OK
720 minute winter	S15	420	0.443	0.053	1.1	0.0863	0.0000	OK
720 minute winter	S16	420	0.441	0.061	1.1	0.0654	0.0000	OK
720 minute winter	S17	420	0.440	0.070	1.3	0.0947	0.0000	OK
720 minute winter	S18	420	0.440	0.080	1.4	0.1075	0.0000	OK
720 minute winter	S19	420	0.439	0.089	1.4	0.0960	0.0000	OK
720 minute winter	S1	435	0.441	0.051	0.0	0.0550	0.0000	OK
720 minute winter	S2	435	0.441	0.061	1.2	0.0658	0.0000	OK

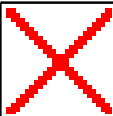
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S3	28.002	S4	2.4	0.111	0.084	0.9075	
720 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
720 minute winter	S4	28.003	Pond In 1	2.7	0.218	0.068	0.1842	
720 minute winter	Pond In 1	Flow through pond	Pond Out	8.0	0.010	0.001	71.3048	
720 minute winter	S10	2.001	S11	0.0	-0.016	0.000	0.0158	
720 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
720 minute winter	S11	1.001	S12	0.3	0.088	0.006	0.1387	
720 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
720 minute winter	S12	1.002	S14	0.5	0.097	0.005	0.0618	
720 minute winter	S13	8.000	S14	0.0	-0.013	0.000	0.0921	
720 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
720 minute winter	S14	1.003	S15	0.7	0.094	0.012	0.2545	
720 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
720 minute winter	S15	1.004	S16	1.1	0.121	0.020	0.4179	
720 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
720 minute winter	S16	1.005	S17	1.1	0.118	0.011	0.1563	
720 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
720 minute winter	S17	1.006	S18	1.2	0.096	0.012	0.1643	
720 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
720 minute winter	S18	1.007	S19	1.4	0.082	0.023	0.5092	
720 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
720 minute winter	S19	1.008	S20	1.4	0.064	0.030	1.0708	
720 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
720 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
720 minute winter	S1	30.000	S2	0.0	-0.013	-0.001	0.7094	
720 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
720 minute winter	S2	18.000	S6	0.5	0.182	0.270	0.0547	
720 minute winter	S2	32.000	S3	1.2	0.077	0.019	1.3162	



Results for 2 year 720 minute winter. 960 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	S6	435	0.441	0.071	1.0	0.0767	0.0000	OK
720 minute winter	S9	420	0.446	0.006	0.1	0.0064	0.0000	OK
720 minute winter	S5	435	0.443	0.073	1.3	0.0783	0.0000	OK
720 minute winter	S7	435	0.440	0.080	2.1	0.0869	0.0000	OK
720 minute winter	S8	435	0.439	0.089	2.2	0.0963	0.0000	OK
720 minute winter	S20	420	0.438	0.098	4.2	0.2875	0.0000	OK
720 minute winter	S21	405	0.412	0.082	4.3	0.1082	0.0000	OK
720 minute winter	S22	405	0.399	0.069	0.1	0.0990	0.0000	OK
720 minute winter	S23	405	0.399	0.079	6.6	0.3540	0.0000	OK
720 minute winter	S24	405	0.377	0.067	7.3	0.1373	0.0000	OK
720 minute winter	Pond In 2	420	0.072	0.067	7.3	0.0000	0.0000	OK
720 minute winter	Pond Out	540	0.058	0.058	8.8	0.0000	0.0000	OK
720 minute winter	Control MH	555	0.087	0.237	11.5	0.4183	0.0000	OK
720 minute winter	Outfall	525	-0.646	0.044	6.4	0.0000	0.0000	OK
720 minute winter	1							
720 minute winter	PP1	420	0.858	0.028	0.4	1.0316	0.0000	OK
720 minute winter	PP2	435	0.985	0.035	1.7	8.9221	0.0000	OK

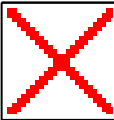
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S6	17.001	S7	1.1	0.094	0.022	0.7710	
720 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
720 minute winter	S9	16.000	S5	0.1	0.011	0.000	0.0804	
720 minute winter	S9	5.000	S12	0.0	-0.009	0.000	0.1442	
720 minute winter	S9	2.000	S10	0.0	-0.043	-0.001	0.0203	
720 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
720 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
720 minute winter	S5	15.001	S7	1.3	0.071	0.030	0.9958	
720 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
720 minute winter	S7	15.002	S8	2.2	0.124	0.030	0.4042	
720 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
720 minute winter	S8	15.003	S20	2.2	0.109	0.039	0.7658	
720 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
720 minute winter	S20	1.009	S21	4.2	0.188	0.148	2.6462	
720 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
720 minute winter	S21	1.010	S23	4.3	0.235	0.077	0.5990	
720 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
720 minute winter	S22	25.000	S23	-0.1	-0.025	-0.003	1.7185	
720 minute winter	S23	1.011	S24	6.6	0.393	0.074	0.2132	
720 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
720 minute winter	S24	1.012	Pond In 2	7.3	0.550	0.057	0.0824	
720 minute winter	Pond In 2	Flow through pond	Pond Out	8.0	0.010	0.001	71.3048	
720 minute winter	Pond Out	34.000	Control MH	11.5	0.404	0.080	0.3112	
720 minute winter	Control MH	34.001	Outfall	6.4	1.008	0.046	0.2216	203.3
720 minute winter	PP1	1.000	S11	0.4	0.277	0.138	0.0442	
720 minute winter	PP2	15.000	S5	1.2	0.495	0.255	0.0923	



Results for 2 year 720 minute winter. 960 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	PP3	435	0.848	0.048	1.2	6.4408	0.0000	OK
720 minute winter	PP4	555	0.982	0.044	4.7	56.4557	0.0000	OK
720 minute winter	PP5	465	0.973	0.035	2.1	15.0599	0.0000	OK

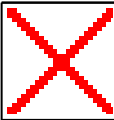
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	PP3	17.000	S6	0.9	0.314	0.359	0.1331	
720 minute winter	PP4	28.000	S2	1.2	0.420	0.357	0.1883	
720 minute winter	PP5	31.000	S3	1.2	0.504	0.254	0.0920	



Results for 2 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S3	540	0.435	0.085	2.2	0.0920	0.0000	OK
960 minute summer	S4	525	0.403	0.083	2.5	0.1470	0.0000	OK
960 minute summer	Pond In 1	555	0.061	0.056	2.5	0.0000	0.0000	OK
960 minute summer	S10	525	0.449	0.019	0.0	0.0200	0.0000	OK
960 minute summer	S11	525	0.449	0.029	0.4	0.0309	0.0000	OK
960 minute summer	S12	525	0.445	0.035	0.6	0.0506	0.0000	OK
960 minute summer	S13	525	0.445	0.035	0.0	0.0373	0.0000	OK
960 minute summer	S14	525	0.445	0.045	0.7	0.0617	0.0000	OK
960 minute summer	S15	525	0.442	0.052	1.1	0.0843	0.0000	OK
960 minute summer	S16	525	0.439	0.059	1.1	0.0635	0.0000	OK
960 minute summer	S17	525	0.438	0.068	1.3	0.0921	0.0000	OK
960 minute summer	S18	525	0.438	0.078	1.5	0.1048	0.0000	OK
960 minute summer	S19	525	0.437	0.087	1.4	0.0937	0.0000	OK
960 minute summer	S1	540	0.438	0.048	0.1	0.0518	0.0000	OK
960 minute summer	S2	540	0.438	0.058	1.2	0.0626	0.0000	OK

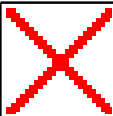
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S3	28.002	S4	2.2	0.107	0.078	0.8672	
960 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
960 minute summer	S4	28.003	Pond In 1	2.5	0.212	0.062	0.1753	
960 minute summer	Pond In 1	Flow through pond	Pond Out	7.8	0.008	0.001	61.2369	
960 minute summer	S10	2.001	S11	0.0	-0.016	0.000	0.0157	
960 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
960 minute summer	S11	1.001	S12	0.4	0.088	0.006	0.1362	
960 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
960 minute summer	S12	1.002	S14	0.5	0.097	0.005	0.0603	
960 minute summer	S13	8.000	S14	0.0	-0.013	0.000	0.0895	
960 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
960 minute summer	S14	1.003	S15	0.7	0.089	0.012	0.2468	
960 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
960 minute summer	S15	1.004	S16	1.1	0.116	0.021	0.4015	
960 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
960 minute summer	S16	1.005	S17	1.1	0.117	0.011	0.1498	
960 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
960 minute summer	S17	1.006	S18	1.3	0.086	0.012	0.1582	
960 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
960 minute summer	S18	1.007	S19	1.4	0.081	0.023	0.4916	
960 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
960 minute summer	S19	1.008	S20	1.4	0.064	0.031	1.0352	
960 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
960 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
960 minute summer	S1	30.000	S2	-0.1	-0.010	-0.001	0.6553	
960 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
960 minute summer	S2	18.000	S6	0.4	0.173	0.231	0.0520	
960 minute summer	S2	32.000	S3	1.2	0.074	0.018	1.2402	



Results for 2 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S6	540	0.438	0.068	1.0	0.0737	0.0000	OK
960 minute summer	S9	525	0.445	0.005	0.1	0.0058	0.0000	OK
960 minute summer	S5	540	0.440	0.070	1.1	0.0752	0.0000	OK
960 minute summer	S7	540	0.438	0.078	1.9	0.0839	0.0000	OK
960 minute summer	S8	525	0.437	0.087	2.0	0.0936	0.0000	OK
960 minute summer	S20	525	0.436	0.096	4.0	0.2808	0.0000	OK
960 minute summer	S21	525	0.410	0.080	4.1	0.1056	0.0000	OK
960 minute summer	S22	510	0.398	0.068	0.1	0.0975	0.0000	OK
960 minute summer	S23	510	0.398	0.078	6.4	0.3489	0.0000	OK
960 minute summer	S24	510	0.377	0.067	7.1	0.1354	0.0000	OK
960 minute summer	Pond In 2	510	0.069	0.064	7.1	0.0000	0.0000	OK
960 minute summer	Pond Out	630	0.050	0.050	7.8	0.0000	0.0000	OK
960 minute summer	Control MH	615	0.066	0.216	8.8	0.3825	0.0000	OK
960 minute summer	Outfall	630	-0.647	0.043	6.3	0.0000	0.0000	OK
960 minute summer	1							
960 minute summer	PP1	510	0.858	0.028	0.5	1.0770	0.0000	OK
960 minute summer	PP2	555	0.983	0.033	1.8	8.1521	0.0000	OK

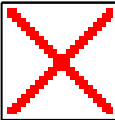
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S6	17.001	S7	1.0	0.090	0.021	0.7308	
960 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
960 minute summer	S9	16.000	S5	0.1	0.009	0.000	0.0753	
960 minute summer	S9	5.000	S12	0.0	0.005	0.000	0.1397	
960 minute summer	S9	2.000	S10	0.0	-0.045	-0.001	0.0197	
960 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
960 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
960 minute summer	S5	15.001	S7	1.1	0.068	0.027	0.9433	
960 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
960 minute summer	S7	15.002	S8	2.0	0.121	0.027	0.3863	
960 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
960 minute summer	S8	15.003	S20	2.0	0.106	0.036	0.7383	
960 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
960 minute summer	S20	1.009	S21	4.0	0.184	0.140	2.5620	
960 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
960 minute summer	S21	1.010	S23	4.1	0.231	0.073	0.5819	
960 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
960 minute summer	S22	25.000	S23	-0.1	-0.018	-0.003	1.6821	
960 minute summer	S23	1.011	S24	6.4	0.389	0.071	0.2090	
960 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
960 minute summer	S24	1.012	Pond In 2	7.1	0.547	0.055	0.0806	
960 minute summer	Pond In 2	Flow through pond	Pond Out	7.8	0.008	0.001	61.2369	
960 minute summer	Pond Out	34.000	Control MH	8.8	0.332	0.061	0.2795	
960 minute summer	Control MH	34.001	Outfall	6.3	1.004	0.046	0.2189	199.1
960 minute summer	PP1	1.000	S11	0.4	0.281	0.145	0.0456	
960 minute summer	PP2	15.000	S5	1.1	0.483	0.234	0.0867	



Results for 2 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	PP3	555	0.846	0.046	1.3	6.1097	0.0000	OK
960 minute summer	PP4	645	0.979	0.041	5.0	49.5650	0.0000	OK
960 minute summer	PP5	570	0.971	0.033	2.2	13.5374	0.0000	OK

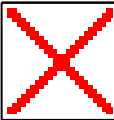
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	PP3	17.000	S6	0.8	0.309	0.341	0.1284	
960 minute summer	PP4	28.000	S2	1.1	0.407	0.317	0.1727	
960 minute summer	PP5	31.000	S3	1.1	0.489	0.230	0.0855	



Results for 2 year 960 minute winter. 1200 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	S3	555	0.433	0.083	2.1	0.0896	0.0000	OK
960 minute winter	S4	555	0.401	0.081	2.4	0.1439	0.0000	OK
960 minute winter	Pond In 1	645	0.062	0.057	2.4	0.0000	0.0000	OK
960 minute winter	S10	525	0.446	0.016	0.0	0.0174	0.0000	OK
960 minute winter	S11	525	0.446	0.026	0.3	0.0282	0.0000	OK
960 minute winter	S12	525	0.443	0.033	0.5	0.0471	0.0000	OK
960 minute winter	S13	525	0.442	0.032	0.0	0.0346	0.0000	OK
960 minute winter	S14	525	0.442	0.042	0.7	0.0581	0.0000	OK
960 minute winter	S15	525	0.439	0.049	1.0	0.0797	0.0000	OK
960 minute winter	S16	525	0.435	0.055	1.0	0.0596	0.0000	OK
960 minute winter	S17	525	0.434	0.064	1.2	0.0871	0.0000	OK
960 minute winter	S18	525	0.434	0.074	1.4	0.0999	0.0000	OK
960 minute winter	S19	525	0.433	0.083	1.3	0.0899	0.0000	OK
960 minute winter	S1	555	0.436	0.046	0.0	0.0492	0.0000	OK
960 minute winter	S2	555	0.436	0.056	1.2	0.0600	0.0000	OK

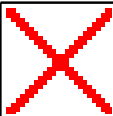
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S3	28.002	S4	2.1	0.106	0.074	0.8385	
960 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
960 minute winter	S4	28.003	Pond In 1	2.4	0.207	0.059	0.1694	
960 minute winter	Pond In 1	Flow through pond	Pond Out	7.5	0.009	0.001	64.6187	
960 minute winter	S10	2.001	S11	0.0	-0.011	0.000	0.0134	
960 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
960 minute winter	S11	1.001	S12	0.3	0.092	0.005	0.1213	
960 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
960 minute winter	S12	1.002	S14	0.5	0.097	0.005	0.0548	
960 minute winter	S13	8.000	S14	0.0	-0.013	0.000	0.0810	
960 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
960 minute winter	S14	1.003	S15	0.7	0.090	0.012	0.2264	
960 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
960 minute winter	S15	1.004	S16	1.0	0.114	0.019	0.3677	
960 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
960 minute winter	S16	1.005	S17	1.0	0.120	0.011	0.1377	
960 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
960 minute winter	S17	1.006	S18	1.2	0.099	0.011	0.1469	
960 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
960 minute winter	S18	1.007	S19	1.3	0.076	0.021	0.4611	
960 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
960 minute winter	S19	1.008	S20	1.3	0.062	0.028	0.9804	
960 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
960 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
960 minute winter	S1	30.000	S2	0.0	-0.010	-0.001	0.6135	
960 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
960 minute winter	S2	18.000	S6	0.5	0.179	0.254	0.0495	
960 minute winter	S2	32.000	S3	1.1	0.077	0.017	1.1850	



Results for 2 year 960 minute winter. 1200 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	S6	555	0.436	0.066	1.0	0.0708	0.0000	OK
960 minute winter	S9	525	0.443	0.003	0.0	0.0035	0.0000	OK
960 minute winter	S5	540	0.437	0.067	1.0	0.0721	0.0000	OK
960 minute winter	S7	540	0.435	0.075	1.9	0.0808	0.0000	OK
960 minute winter	S8	540	0.434	0.084	1.9	0.0904	0.0000	OK
960 minute winter	S20	540	0.432	0.092	3.7	0.2713	0.0000	OK
960 minute winter	S21	525	0.406	0.076	3.8	0.1013	0.0000	OK
960 minute winter	S22	525	0.394	0.064	0.1	0.0914	0.0000	OK
960 minute winter	S23	525	0.394	0.074	5.7	0.3301	0.0000	OK
960 minute winter	S24	510	0.372	0.062	6.2	0.1270	0.0000	OK
960 minute winter	Pond In 2	555	0.066	0.062	6.2	0.0000	0.0000	OK
960 minute winter	Pond Out	675	0.053	0.053	7.5	0.0000	0.0000	OK
960 minute winter	Control MH	645	0.072	0.222	9.7	0.3915	0.0000	OK
960 minute winter	Outfall 1	705	-0.647	0.043	6.3	0.0000	0.0000	OK
960 minute winter	PP1	510	0.856	0.026	0.4	0.8998	0.0000	OK
960 minute winter	PP2	570	0.982	0.032	1.3	7.6595	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	S6	17.001	S7	1.0	0.093	0.021	0.6912	
960 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
960 minute winter	S9	16.000	S5	0.0	0.004	0.000	0.0704	
960 minute winter	S9	5.000	S12	0.0	0.003	0.000	0.1227	
960 minute winter	S9	2.000	S10	0.0	-0.037	0.000	0.0152	
960 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
960 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
960 minute winter	S5	15.001	S7	1.0	0.066	0.025	0.8909	
960 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
960 minute winter	S7	15.002	S8	1.9	0.120	0.027	0.3671	
960 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
960 minute winter	S8	15.003	S20	1.9	0.105	0.035	0.7028	
960 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
960 minute winter	S20	1.009	S21	3.7	0.180	0.130	2.4260	
960 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
960 minute winter	S21	1.010	S23	3.8	0.226	0.067	0.5433	
960 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
960 minute winter	S22	25.000	S23	-0.1	-0.019	-0.002	1.5449	
960 minute winter	S23	1.011	S24	5.7	0.378	0.064	0.1916	
960 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
960 minute winter	S24	1.012	Pond In 2	6.2	0.530	0.048	0.0730	
960 minute winter	Pond In 2	Flow through pond	Pond Out	7.5	0.009	0.001	64.6187	
960 minute winter	Pond Out	34.000	Control MH	9.7	0.367	0.068	0.2878	
960 minute winter	Control MH	34.001	Outfall	6.3	1.005	0.046	0.2195	229.0
960 minute winter	PP1	1.000	S11	0.3	0.265	0.120	0.0400	
960 minute winter	PP2	15.000	S5	1.0	0.476	0.220	0.0830	



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13 Gostwick
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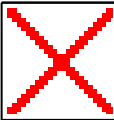
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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Results for 2 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	PP3	570	0.845	0.045	1.0	5.7578	0.0000	OK
960 minute winter	PP4	705	0.981	0.043	3.7	54.7552	0.0000	OK
960 minute winter	PP5	600	0.971	0.033	1.6	13.4923	0.0000	OK

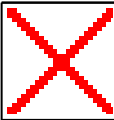
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	PP3	17.000	S6	0.8	0.304	0.322	0.1234	
960 minute winter	PP4	28.000	S2	1.2	0.417	0.347	0.1845	
960 minute winter	PP5	31.000	S3	1.1	0.489	0.229	0.0853	



Results for 2 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S3	810	0.428	0.078	1.8	0.0841	0.0000	OK
1440 minute summer	S4	780	0.397	0.077	2.1	0.1365	0.0000	OK
1440 minute summer	Pond In 1	840	0.055	0.050	2.1	0.0000	0.0000	OK
1440 minute summer	S10	750	0.443	0.013	0.0	0.0143	0.0000	OK
1440 minute summer	S11	750	0.443	0.023	0.3	0.0251	0.0000	OK
1440 minute summer	S12	750	0.439	0.029	0.5	0.0416	0.0000	OK
1440 minute summer	S13	750	0.438	0.028	0.0	0.0301	0.0000	OK
1440 minute summer	S14	750	0.438	0.038	0.7	0.0524	0.0000	OK
1440 minute summer	S15	750	0.434	0.044	0.9	0.0716	0.0000	OK
1440 minute summer	S16	780	0.429	0.049	0.9	0.0532	0.0000	OK
1440 minute summer	S17	780	0.429	0.059	1.0	0.0793	0.0000	OK
1440 minute summer	S18	780	0.428	0.068	1.1	0.0921	0.0000	OK
1440 minute summer	S19	780	0.428	0.078	1.1	0.0839	0.0000	OK
1440 minute summer	S1	810	0.430	0.040	0.0	0.0437	0.0000	OK
1440 minute summer	S2	810	0.430	0.050	1.0	0.0545	0.0000	OK

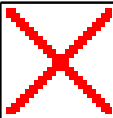
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S3	28.002	S4	1.8	0.101	0.064	0.7666	
1440 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
1440 minute summer	S4	28.003	Pond In 1	2.1	0.197	0.052	0.1557	
1440 minute summer	Pond In 1	Flow through pond	Pond Out	6.6	0.007	0.001	52.6646	
1440 minute summer	S10	2.001	S11	0.0	-0.006	0.000	0.0108	
1440 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
1440 minute summer	S11	1.001	S12	0.3	0.088	0.005	0.1007	
1440 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
1440 minute summer	S12	1.002	S14	0.5	0.091	0.004	0.0461	
1440 minute summer	S13	8.000	S14	0.0	0.005	0.000	0.0678	
1440 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
1440 minute summer	S14	1.003	S15	0.6	0.091	0.011	0.1938	
1440 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
1440 minute summer	S15	1.004	S16	0.9	0.114	0.018	0.3080	
1440 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
1440 minute summer	S16	1.005	S17	0.9	0.105	0.010	0.1181	
1440 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
1440 minute summer	S17	1.006	S18	1.0	0.079	0.010	0.1293	
1440 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
1440 minute summer	S18	1.007	S19	1.1	0.068	0.017	0.4137	
1440 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
1440 minute summer	S19	1.008	S20	1.1	0.056	0.023	0.8931	
1440 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
1440 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
1440 minute summer	S1	30.000	S2	0.0	-0.007	-0.001	0.5236	
1440 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
1440 minute summer	S2	18.000	S6	0.4	0.166	0.223	0.0445	
1440 minute summer	S2	32.000	S3	0.9	0.073	0.014	1.0615	



Results for 2 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S6	810	0.430	0.060	0.8	0.0653	0.0000	OK
1440 minute summer	S9	780	0.442	0.002	0.0	0.0021	0.0000	OK
1440 minute summer	S5	810	0.431	0.061	0.9	0.0663	0.0000	OK
1440 minute summer	S7	810	0.429	0.069	1.7	0.0749	0.0000	OK
1440 minute summer	S8	780	0.428	0.078	1.7	0.0844	0.0000	OK
1440 minute summer	S20	780	0.427	0.087	3.2	0.2552	0.0000	OK
1440 minute summer	S21	780	0.402	0.072	3.3	0.0949	0.0000	OK
1440 minute summer	S22	780	0.389	0.059	0.0	0.0848	0.0000	OK
1440 minute summer	S23	780	0.389	0.069	5.0	0.3094	0.0000	OK
1440 minute summer	S24	780	0.369	0.059	5.4	0.1193	0.0000	OK
1440 minute summer	Pond In 2	780	0.061	0.056	5.4	0.0000	0.0000	OK
1440 minute summer	Pond Out	870	0.043	0.043	6.6	0.0000	0.0000	OK
1440 minute summer	Control MH	840	0.051	0.201	6.5	0.3544	0.0000	OK
1440 minute summer	Outfall	840	-0.647	0.043	6.2	0.0000	0.0000	OK
1440 minute summer	1							
1440 minute summer	PP1	780	0.854	0.024	0.3	0.7857	0.0000	OK
1440 minute summer	PP2	810	0.980	0.030	1.2	6.6117	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	S6	17.001	S7	0.8	0.090	0.018	0.6163	
1440 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
1440 minute summer	S9	16.000	S5	0.0	0.002	0.000	0.0620	
1440 minute summer	S9	5.000	S12	0.0	0.002	0.000	0.0999	
1440 minute summer	S9	2.000	S10	0.0	-0.022	0.000	0.0109	
1440 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
1440 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
1440 minute summer	S5	15.001	S7	0.9	0.063	0.021	0.7929	
1440 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
1440 minute summer	S7	15.002	S8	1.7	0.116	0.023	0.3305	
1440 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
1440 minute summer	S8	15.003	S20	1.7	0.100	0.030	0.6404	
1440 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
1440 minute summer	S20	1.009	S21	3.2	0.171	0.113	2.2183	
1440 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
1440 minute summer	S21	1.010	S23	3.3	0.216	0.059	0.4943	
1440 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
1440 minute summer	S22	25.000	S23	0.0	-0.016	-0.002	1.3940	
1440 minute summer	S23	1.011	S24	4.9	0.359	0.055	0.1746	
1440 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
1440 minute summer	S24	1.012	Pond In 2	5.4	0.511	0.042	0.0661	
1440 minute summer	Pond In 2	Flow through pond	Pond Out	6.6	0.007	0.001	52.6646	
1440 minute summer	Pond Out	34.000	Control MH	6.5	0.260	0.045	0.2531	
1440 minute summer	Control MH	34.001	Outfall	6.2	0.998	0.045	0.2162	225.6
1440 minute summer	PP1	1.000	S11	0.3	0.254	0.103	0.0360	
1440 minute summer	PP2	15.000	S5	0.9	0.457	0.191	0.0749	



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13 Gostwick
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Peterborough PE2 5XF

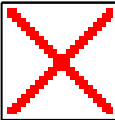
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Network: Holbeach
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Results for 2 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	PP3	810	0.841	0.041	0.9	4.8737	0.0000	OK
1440 minute summer	PP4	930	0.978	0.040	3.6	47.9522	0.0000	OK
1440 minute summer	PP5	840	0.969	0.031	1.6	11.7781	0.0000	OK

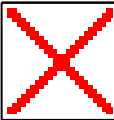
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	PP3	17.000	S6	0.7	0.290	0.274	0.1102	
1440 minute summer	PP4	28.000	S2	1.0	0.404	0.308	0.1690	
1440 minute summer	PP5	31.000	S3	0.9	0.472	0.201	0.0776	



Results for 2 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S3	870	0.426	0.076	1.7	0.0822	0.0000	OK
1440 minute winter	S4	870	0.395	0.075	1.9	0.1330	0.0000	OK
1440 minute winter	Pond In 1	870	0.054	0.049	1.9	0.0000	0.0000	OK
1440 minute winter	S10	780	0.441	0.011	0.0	0.0121	0.0000	OK
1440 minute winter	S11	780	0.441	0.021	0.3	0.0229	0.0000	OK
1440 minute winter	S12	780	0.434	0.024	0.4	0.0343	0.0000	OK
1440 minute winter	S13	780	0.432	0.022	0.0	0.0242	0.0000	OK
1440 minute winter	S14	780	0.432	0.032	0.5	0.0449	0.0000	OK
1440 minute winter	S15	810	0.430	0.040	0.7	0.0640	0.0000	OK
1440 minute winter	S16	840	0.426	0.046	0.6	0.0496	0.0000	OK
1440 minute winter	S17	840	0.425	0.055	0.7	0.0748	0.0000	OK
1440 minute winter	S18	840	0.425	0.065	0.8	0.0878	0.0000	OK
1440 minute winter	S19	840	0.424	0.074	0.8	0.0804	0.0000	OK
1440 minute winter	S1	870	0.429	0.039	0.0	0.0418	0.0000	OK
1440 minute winter	S2	870	0.429	0.049	1.1	0.0526	0.0000	OK

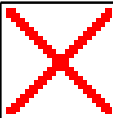
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S3	28.002	S4	1.7	0.099	0.062	0.7445	
1440 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
1440 minute winter	S4	28.003	Pond In 1	1.9	0.193	0.048	0.1496	
1440 minute winter	Pond In 1	Flow through pond	Pond Out	6.3	0.008	0.001	51.4600	
1440 minute winter	S10	2.001	S11	0.0	0.004	0.000	0.0091	
1440 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
1440 minute winter	S11	1.001	S12	0.3	0.089	0.004	0.0809	
1440 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
1440 minute winter	S12	1.002	S14	0.4	0.089	0.003	0.0360	
1440 minute winter	S13	8.000	S14	0.0	0.006	0.000	0.0521	
1440 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
1440 minute winter	S14	1.003	S15	0.5	0.086	0.007	0.1589	
1440 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
1440 minute winter	S15	1.004	S16	0.6	0.111	0.012	0.2727	
1440 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
1440 minute winter	S16	1.005	S17	0.6	0.111	0.007	0.1079	
1440 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
1440 minute winter	S17	1.006	S18	0.7	0.080	0.007	0.1199	
1440 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
1440 minute winter	S18	1.007	S19	0.8	0.068	0.013	0.3879	
1440 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
1440 minute winter	S19	1.008	S20	0.8	0.049	0.018	0.8447	
1440 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
1440 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
1440 minute winter	S1	30.000	S2	0.0	-0.007	0.000	0.4942	
1440 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
1440 minute winter	S2	18.000	S6	0.4	0.174	0.239	0.0426	
1440 minute winter	S2	32.000	S3	0.8	0.076	0.013	1.0207	



Results for 2 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S6	870	0.428	0.058	0.9	0.0630	0.0000	OK
1440 minute winter	S9	780	0.441	0.001	0.0	0.0011	0.0000	OK
1440 minute winter	S5	840	0.429	0.059	0.8	0.0635	0.0000	OK
1440 minute winter	S7	840	0.427	0.067	1.6	0.0723	0.0000	OK
1440 minute winter	S8	840	0.425	0.075	1.6	0.0815	0.0000	OK
1440 minute winter	S20	840	0.424	0.084	3.0	0.2461	0.0000	OK
1440 minute winter	S21	810	0.398	0.068	3.1	0.0905	0.0000	OK
1440 minute winter	S22	810	0.385	0.055	0.0	0.0792	0.0000	OK
1440 minute winter	S23	810	0.385	0.065	4.4	0.2921	0.0000	OK
1440 minute winter	S24	810	0.365	0.055	4.7	0.1122	0.0000	OK
1440 minute winter	Pond In 2	810	0.058	0.053	4.7	0.0000	0.0000	OK
1440 minute winter	Pond Out	900	0.042	0.042	6.3	0.0000	0.0000	OK
1440 minute winter	Control MH	900	0.049	0.199	6.2	0.3521	0.0000	OK
1440 minute winter	Outfall	900	-0.647	0.043	6.2	0.0000	0.0000	OK
1440 minute winter	1							
1440 minute winter	PP1	750	0.853	0.023	0.3	0.7190	0.0000	OK
1440 minute winter	PP2	840	0.978	0.028	0.9	5.8968	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	S6	17.001	S7	0.9	0.091	0.018	0.5853	
1440 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
1440 minute winter	S9	16.000	S5	0.0	0.001	0.000	0.0578	
1440 minute winter	S9	5.000	S12	0.0	0.001	0.000	0.0751	
1440 minute winter	S9	2.000	S10	0.0	-0.010	0.000	0.0082	
1440 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
1440 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
1440 minute winter	S5	15.001	S7	0.8	0.062	0.019	0.7493	
1440 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
1440 minute winter	S7	15.002	S8	1.6	0.115	0.022	0.3142	
1440 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
1440 minute winter	S8	15.003	S20	1.6	0.098	0.029	0.6082	
1440 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
1440 minute winter	S20	1.009	S21	3.0	0.167	0.104	2.0889	
1440 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
1440 minute winter	S21	1.010	S23	3.1	0.212	0.054	0.4583	
1440 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
1440 minute winter	S22	25.000	S23	0.0	-0.015	-0.001	1.2752	
1440 minute winter	S23	1.011	S24	4.3	0.346	0.049	0.1604	
1440 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
1440 minute winter	S24	1.012	Pond In 2	4.7	0.491	0.037	0.0603	
1440 minute winter	Pond In 2	Flow through pond	Pond Out	6.3	0.008	0.001	51.4600	
1440 minute winter	Pond Out	34.000	Control MH	6.2	0.259	0.043	0.2509	
1440 minute winter	Control MH	34.001	Outfall	6.2	0.998	0.045	0.2162	257.5
1440 minute winter	PP1	1.000	S11	0.3	0.247	0.094	0.0336	
1440 minute winter	PP2	15.000	S5	0.8	0.443	0.171	0.0691	



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13 Gostwick
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Peterborough PE2 5XF

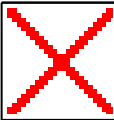
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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Results for 2 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	PP3	810	0.840	0.040	0.7	4.4778	0.0000	OK
1440 minute winter	PP4	990	0.980	0.042	2.7	51.6778	0.0000	OK
1440 minute winter	PP5	870	0.968	0.030	1.2	11.2355	0.0000	OK

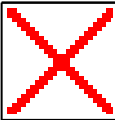
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	PP3	17.000	S6	0.6	0.283	0.252	0.1037	
1440 minute winter	PP4	28.000	S2	1.1	0.411	0.329	0.1775	
1440 minute winter	PP5	31.000	S3	0.9	0.466	0.192	0.0751	



Results for 2 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S3	1620	0.418	0.068	1.4	0.0731	0.0000	OK
2880 minute summer	S4	1560	0.389	0.069	1.5	0.1217	0.0000	OK
2880 minute summer	Pond In 1	1560	0.047	0.042	1.5	0.0000	0.0000	OK
2880 minute summer	S10	1560	0.439	0.009	0.0	0.0096	0.0000	OK
2880 minute summer	S11	1560	0.439	0.019	0.2	0.0204	0.0000	OK
2880 minute summer	S12	1500	0.431	0.021	0.3	0.0295	0.0000	OK
2880 minute summer	S13	1500	0.429	0.019	0.0	0.0203	0.0000	OK
2880 minute summer	S14	1500	0.429	0.029	0.4	0.0398	0.0000	OK
2880 minute summer	S15	1500	0.425	0.035	0.6	0.0563	0.0000	OK
2880 minute summer	S16	1500	0.418	0.038	0.6	0.0416	0.0000	OK
2880 minute summer	S17	1560	0.418	0.048	0.7	0.0645	0.0000	OK
2880 minute summer	S18	1560	0.417	0.057	0.8	0.0774	0.0000	OK
2880 minute summer	S19	1560	0.417	0.067	0.8	0.0720	0.0000	OK
2880 minute summer	S1	1620	0.421	0.031	0.0	0.0335	0.0000	OK
2880 minute summer	S2	1620	0.421	0.041	0.9	0.0443	0.0000	OK

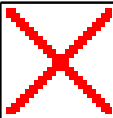
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S3	28.002	S4	1.4	0.091	0.048	0.6392	
2880 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
2880 minute summer	S4	28.003	Pond In 1	1.5	0.177	0.039	0.1306	
2880 minute summer	Pond In 1	Flow through pond	Pond Out	5.0	0.006	0.001	45.3895	
2880 minute summer	S10	2.001	S11	0.0	0.004	0.000	0.0072	
2880 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
2880 minute summer	S11	1.001	S12	0.2	0.085	0.003	0.0649	
2880 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
2880 minute summer	S12	1.002	S14	0.3	0.092	0.003	0.0293	
2880 minute summer	S13	8.000	S14	0.0	0.006	0.000	0.0418	
2880 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
2880 minute summer	S14	1.003	S15	0.4	0.087	0.007	0.1324	
2880 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
2880 minute summer	S15	1.004	S16	0.6	0.112	0.011	0.2177	
2880 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
2880 minute summer	S16	1.005	S17	0.6	0.107	0.006	0.0849	
2880 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
2880 minute summer	S17	1.006	S18	0.7	0.071	0.007	0.0982	
2880 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
2880 minute summer	S18	1.007	S19	0.8	0.062	0.012	0.3267	
2880 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
2880 minute summer	S19	1.008	S20	0.8	0.049	0.017	0.7257	
2880 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
2880 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
2880 minute summer	S1	30.000	S2	0.0	-0.004	0.000	0.3712	
2880 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
2880 minute summer	S2	18.000	S6	0.3	0.157	0.188	0.0349	
2880 minute summer	S2	32.000	S3	0.7	0.072	0.011	0.8369	



Results for 2 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S6	1620	0.420	0.050	0.7	0.0545	0.0000	OK
2880 minute summer	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	S5	1560	0.421	0.051	0.6	0.0549	0.0000	OK
2880 minute summer	S7	1560	0.419	0.059	1.2	0.0637	0.0000	OK
2880 minute summer	S8	1560	0.417	0.067	1.3	0.0728	0.0000	OK
2880 minute summer	S20	1560	0.416	0.076	2.3	0.2228	0.0000	OK
2880 minute summer	S21	1560	0.392	0.062	2.4	0.0816	0.0000	OK
2880 minute summer	S22	1500	0.379	0.049	0.0	0.0703	0.0000	OK
2880 minute summer	S23	1500	0.379	0.059	3.5	0.2641	0.0000	OK
2880 minute summer	S24	1500	0.360	0.050	3.8	0.1018	0.0000	OK
2880 minute summer	Pond In 2	1560	0.051	0.046	3.8	0.0000	0.0000	OK
2880 minute summer	Pond Out	1620	0.038	0.038	5.0	0.0000	0.0000	OK
2880 minute summer	Control MH	1620	0.001	0.151	4.9	0.2676	0.0000	OK
2880 minute summer	Outfall	1620	-0.652	0.038	4.9	0.0000	0.0000	OK
2880 minute summer	1							
2880 minute summer	PP1	1560	0.850	0.020	0.2	0.5598	0.0000	OK
2880 minute summer	PP2	1560	0.975	0.025	0.7	4.5384	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S6	17.001	S7	0.7	0.089	0.015	0.4798	
2880 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
2880 minute summer	S9	16.000	S5	0.0	0.000	0.000	0.0467	
2880 minute summer	S9	5.000	S12	0.0	0.000	0.000	0.0583	
2880 minute summer	S9	2.000	S10	0.0	0.000	0.000	0.0054	
2880 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
2880 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
2880 minute summer	S5	15.001	S7	0.6	0.055	0.015	0.6142	
2880 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
2880 minute summer	S7	15.002	S8	1.3	0.107	0.018	0.2640	
2880 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
2880 minute summer	S8	15.003	S20	1.3	0.089	0.023	0.5220	
2880 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
2880 minute summer	S20	1.009	S21	2.3	0.154	0.083	1.8051	
2880 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
2880 minute summer	S21	1.010	S23	2.5	0.199	0.044	0.3934	
2880 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
2880 minute summer	S22	25.000	S23	0.0	-0.011	-0.001	1.0845	
2880 minute summer	S23	1.011	S24	3.5	0.319	0.039	0.1384	
2880 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
2880 minute summer	S24	1.012	Pond In 2	3.8	0.452	0.029	0.0519	
2880 minute summer	Pond In 2	Flow through pond	Pond Out	5.0	0.006	0.001	45.3895	
2880 minute summer	Pond Out	34.000	Control MH	4.9	0.259	0.034	0.1835	
2880 minute summer	Control MH	34.001	Outfall	4.9	0.931	0.035	0.1831	284.8
2880 minute summer	PP1	1.000	S11	0.2	0.227	0.071	0.0277	
2880 minute summer	PP2	15.000	S5	0.6	0.411	0.131	0.0572	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

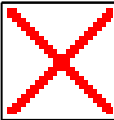
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Results for 2 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	PP3	1560	0.835	0.035	0.5	3.4553	0.0000	OK
2880 minute summer	PP4	1740	0.976	0.038	2.1	42.7304	0.0000	OK
2880 minute summer	PP5	1560	0.963	0.025	0.9	8.2427	0.0000	OK

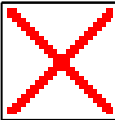
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	PP3	17.000	S6	0.5	0.261	0.193	0.0863	
2880 minute summer	PP4	28.000	S2	0.9	0.392	0.277	0.1566	
2880 minute summer	PP5	31.000	S3	0.7	0.427	0.141	0.0604	



Results for 2 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S3	1680	0.415	0.065	1.2	0.0701	0.0000	OK
2880 minute winter	S4	1680	0.385	0.065	1.3	0.1149	0.0000	OK
2880 minute winter	Pond In 1	1680	0.044	0.039	1.3	0.0000	0.0000	OK
2880 minute winter	S10	1860	0.435	0.005	0.0	0.0054	0.0000	OK
2880 minute winter	S11	2040	0.435	0.015	0.1	0.0162	0.0000	OK
2880 minute winter	S12	1620	0.426	0.016	0.2	0.0233	0.0000	OK
2880 minute winter	S13	1620	0.424	0.014	0.0	0.0154	0.0000	OK
2880 minute winter	S14	1620	0.424	0.024	0.3	0.0336	0.0000	OK
2880 minute winter	S15	1620	0.420	0.030	0.4	0.0479	0.0000	OK
2880 minute winter	S16	1620	0.414	0.034	0.4	0.0372	0.0000	OK
2880 minute winter	S17	1620	0.414	0.044	0.5	0.0593	0.0000	OK
2880 minute winter	S18	1620	0.413	0.053	0.6	0.0721	0.0000	OK
2880 minute winter	S19	1620	0.413	0.063	0.6	0.0679	0.0000	OK
2880 minute winter	S1	1680	0.418	0.028	0.0	0.0307	0.0000	OK
2880 minute winter	S2	1680	0.418	0.038	0.9	0.0415	0.0000	OK

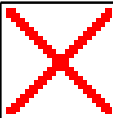
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S3	28.002	S4	1.2	0.089	0.044	0.5964	
2880 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
2880 minute winter	S4	28.003	Pond In 1	1.3	0.168	0.034	0.1200	
2880 minute winter	Pond In 1	Flow through pond	Pond Out	4.4	0.005	0.001	42.6759	
2880 minute winter	S10	2.001	S11	0.0	-0.011	0.000	0.0046	
2880 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
2880 minute winter	S11	1.001	S12	0.1	0.082	0.002	0.0430	
2880 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
2880 minute winter	S12	1.002	S14	0.2	0.089	0.002	0.0220	
2880 minute winter	S13	8.000	S14	0.0	0.006	0.000	0.0309	
2880 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
2880 minute winter	S14	1.003	S15	0.3	0.085	0.005	0.1033	
2880 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
2880 minute winter	S15	1.004	S16	0.4	0.109	0.008	0.1780	
2880 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
2880 minute winter	S16	1.005	S17	0.4	0.100	0.004	0.0739	
2880 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
2880 minute winter	S17	1.006	S18	0.5	0.071	0.005	0.0878	
2880 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
2880 minute winter	S18	1.007	S19	0.6	0.062	0.010	0.2977	
2880 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
2880 minute winter	S19	1.008	S20	0.6	0.047	0.013	0.6709	
2880 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
2880 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
2880 minute winter	S1	30.000	S2	0.0	-0.002	0.000	0.3330	
2880 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
2880 minute winter	S2	18.000	S6	0.4	0.159	0.196	0.0320	
2880 minute winter	S2	32.000	S3	0.6	0.073	0.010	0.7789	



Results for 2 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S6	1620	0.417	0.047	0.7	0.0511	0.0000	OK
2880 minute winter	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	S5	1620	0.417	0.047	0.5	0.0507	0.0000	OK
2880 minute winter	S7	1620	0.415	0.055	1.1	0.0597	0.0000	OK
2880 minute winter	S8	1620	0.414	0.064	1.1	0.0688	0.0000	OK
2880 minute winter	S20	1620	0.412	0.072	2.1	0.2119	0.0000	OK
2880 minute winter	S21	1560	0.388	0.058	2.2	0.0768	0.0000	OK
2880 minute winter	S22	1560	0.375	0.045	0.0	0.0643	0.0000	OK
2880 minute winter	S23	1560	0.375	0.055	3.0	0.2454	0.0000	OK
2880 minute winter	S24	1560	0.356	0.046	3.1	0.0937	0.0000	OK
2880 minute winter	Pond In 2	1620	0.047	0.042	3.1	0.0000	0.0000	OK
2880 minute winter	Pond Out	1680	0.036	0.036	4.4	0.0000	0.0000	OK
2880 minute winter	Control MH	1680	-0.012	0.138	4.4	0.2441	0.0000	OK
2880 minute winter	Outfall	1680	-0.654	0.036	4.4	0.0000	0.0000	OK
2880 minute winter	1							
2880 minute winter	PP1	1680	0.845	0.015	0.1	0.3107	0.0000	OK
2880 minute winter	PP2	1680	0.972	0.022	0.5	3.7012	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S6	17.001	S7	0.7	0.089	0.014	0.4374	
2880 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
2880 minute winter	S9	16.000	S5	0.0	0.000	0.000	0.0416	
2880 minute winter	S9	5.000	S12	0.0	0.000	0.000	0.0405	
2880 minute winter	S9	2.000	S10	0.0	0.000	0.000	0.0025	
2880 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
2880 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
2880 minute winter	S5	15.001	S7	0.5	0.053	0.012	0.5544	
2880 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
2880 minute winter	S7	15.002	S8	1.1	0.106	0.016	0.2422	
2880 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
2880 minute winter	S8	15.003	S20	1.2	0.088	0.021	0.4834	
2880 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
2880 minute winter	S20	1.009	S21	2.1	0.150	0.074	1.6571	
2880 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
2880 minute winter	S21	1.010	S23	2.2	0.188	0.038	0.3581	
2880 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
2880 minute winter	S22	25.000	S23	0.0	-0.011	-0.001	0.9662	
2880 minute winter	S23	1.011	S24	2.9	0.304	0.033	0.1238	
2880 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
2880 minute winter	S24	1.012	Pond In 2	3.1	0.431	0.024	0.0456	
2880 minute winter	Pond In 2	Flow through pond	Pond Out	4.4	0.005	0.001	42.6759	
2880 minute winter	Pond Out	34.000	Control MH	4.4	0.258	0.030	0.1637	
2880 minute winter	Control MH	34.001	Outfall	4.4	0.897	0.031	0.1683	321.0
2880 minute winter	PP1	1.000	S11	0.1	0.184	0.036	0.0173	
2880 minute winter	PP2	15.000	S5	0.5	0.388	0.107	0.0494	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

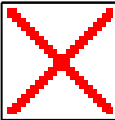
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 2 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	PP3	1620	0.832	0.032	0.4	2.9307	0.0000	OK
2880 minute winter	PP4	1860	0.976	0.038	1.6	43.5831	0.0000	OK
2880 minute winter	PP5	1680	0.962	0.024	0.7	7.3694	0.0000	OK

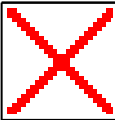
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	PP3	17.000	S6	0.4	0.248	0.162	0.0765	
2880 minute winter	PP4	28.000	S2	0.9	0.394	0.282	0.1587	
2880 minute winter	PP5	31.000	S3	0.6	0.414	0.126	0.0557	



Results for 2 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S3	3000	0.409	0.059	1.0	0.0632	0.0000	OK
5760 minute summer	S4	3060	0.380	0.060	1.1	0.1059	0.0000	OK
5760 minute summer	Pond In 1	3060	0.039	0.034	1.1	0.0000	0.0000	OK
5760 minute summer	S10	3120	0.435	0.005	0.0	0.0054	0.0000	OK
5760 minute summer	S11	3120	0.435	0.015	0.1	0.0162	0.0000	OK
5760 minute summer	S12	2940	0.426	0.016	0.2	0.0228	0.0000	OK
5760 minute summer	S13	2940	0.424	0.014	0.0	0.0147	0.0000	OK
5760 minute summer	S14	2940	0.424	0.024	0.3	0.0326	0.0000	OK
5760 minute summer	S15	2940	0.418	0.028	0.4	0.0454	0.0000	OK
5760 minute summer	S16	2940	0.410	0.030	0.4	0.0322	0.0000	OK
5760 minute summer	S17	2940	0.409	0.039	0.5	0.0523	0.0000	OK
5760 minute summer	S18	2940	0.408	0.048	0.6	0.0650	0.0000	OK
5760 minute summer	S19	2940	0.407	0.057	0.6	0.0618	0.0000	OK
5760 minute summer	S1	3000	0.412	0.022	0.0	0.0241	0.0000	OK
5760 minute summer	S2	3000	0.412	0.032	0.8	0.0349	0.0000	OK

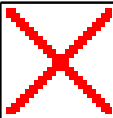
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S3	28.002	S4	1.0	0.082	0.036	0.5204	
5760 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
5760 minute summer	S4	28.003	Pond In 1	1.1	0.156	0.028	0.1063	
5760 minute summer	Pond In 1	Flow through pond	Pond Out	3.5	0.005	0.000	37.8441	
5760 minute summer	S10	2.001	S11	0.0	0.004	0.000	0.0046	
5760 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
5760 minute summer	S11	1.001	S12	0.1	0.082	0.002	0.0421	
5760 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
5760 minute summer	S12	1.002	S14	0.2	0.089	0.002	0.0211	
5760 minute summer	S13	8.000	S14	0.0	0.006	0.000	0.0293	
5760 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
5760 minute summer	S14	1.003	S15	0.3	0.084	0.005	0.0971	
5760 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
5760 minute summer	S15	1.004	S16	0.4	0.106	0.008	0.1521	
5760 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
5760 minute summer	S16	1.005	S17	0.4	0.099	0.004	0.0603	
5760 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
5760 minute summer	S17	1.006	S18	0.5	0.068	0.005	0.0741	
5760 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
5760 minute summer	S18	1.007	S19	0.6	0.060	0.009	0.2572	
5760 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
5760 minute summer	S19	1.008	S20	0.6	0.046	0.013	0.5892	
5760 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
5760 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
5760 minute summer	S1	30.000	S2	0.0	-0.002	0.000	0.2473	
5760 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
5760 minute summer	S2	18.000	S6	0.3	0.148	0.152	0.0261	
5760 minute summer	S2	32.000	S3	0.5	0.069	0.008	0.6476	



Results for 2 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S6	3000	0.411	0.041	0.5	0.0445	0.0000	OK
5760 minute summer	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	S5	3000	0.411	0.041	0.4	0.0446	0.0000	OK
5760 minute summer	S7	2940	0.409	0.049	1.0	0.0530	0.0000	OK
5760 minute summer	S8	2940	0.408	0.058	1.0	0.0622	0.0000	OK
5760 minute summer	S20	2940	0.406	0.066	1.7	0.1946	0.0000	OK
5760 minute summer	S21	2940	0.382	0.052	1.7	0.0693	0.0000	OK
5760 minute summer	S22	2940	0.370	0.040	0.0	0.0573	0.0000	OK
5760 minute summer	S23	2940	0.370	0.050	2.4	0.2235	0.0000	OK
5760 minute summer	S24	2940	0.352	0.042	2.6	0.0854	0.0000	OK
5760 minute summer	Pond In 2	3000	0.041	0.036	2.6	0.0000	0.0000	OK
5760 minute summer	Pond Out	3060	0.032	0.032	3.5	0.0000	0.0000	OK
5760 minute summer	Control MH	3060	-0.031	0.119	3.4	0.2095	0.0000	OK
5760 minute summer	Outfall	3060	-0.658	0.032	3.4	0.0000	0.0000	OK
5760 minute summer	1							
5760 minute summer	PP1	3120	0.845	0.015	0.1	0.3107	0.0000	OK
5760 minute summer	PP2	3000	0.971	0.021	0.5	3.2742	0.0000	OK

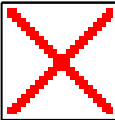
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S6	17.001	S7	0.5	0.085	0.012	0.3609	
5760 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
5760 minute summer	S9	16.000	S5	0.0	0.000	0.000	0.0343	
5760 minute summer	S9	5.000	S12	0.0	0.000	0.000	0.0391	
5760 minute summer	S9	2.000	S10	0.0	0.000	0.000	0.0024	
5760 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
5760 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
5760 minute summer	S5	15.001	S7	0.4	0.059	0.011	0.4604	
5760 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
5760 minute summer	S7	15.002	S8	1.0	0.100	0.013	0.2059	
5760 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
5760 minute summer	S8	15.003	S20	1.0	0.081	0.017	0.4225	
5760 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
5760 minute summer	S20	1.009	S21	1.7	0.140	0.061	1.4568	
5760 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
5760 minute summer	S21	1.010	S23	1.7	0.174	0.030	0.3096	
5760 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
5760 minute summer	S22	25.000	S23	0.0	0.005	0.000	0.8275	
5760 minute summer	S23	1.011	S24	2.4	0.283	0.027	0.1077	
5760 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
5760 minute summer	S24	1.012	Pond In 2	2.6	0.415	0.020	0.0391	
5760 minute summer	Pond In 2	Flow through pond	Pond Out	3.5	0.005	0.000	37.8441	
5760 minute summer	Pond Out	34.000	Control MH	3.4	0.249	0.024	0.1344	
5760 minute summer	Control MH	34.001	Outfall	3.4	0.837	0.025	0.1426	345.8
5760 minute summer	PP1	1.000	S11	0.1	0.184	0.036	0.0173	
5760 minute summer	PP2	15.000	S5	0.4	0.375	0.094	0.0450	



Results for 2 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	PP3	3120	0.828	0.028	0.3	2.2673	0.0000	OK
5760 minute summer	PP4	3240	0.973	0.035	1.3	35.3985	0.0000	OK
5760 minute summer	PP5	3060	0.960	0.022	0.6	6.1411	0.0000	OK

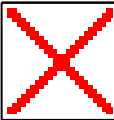
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	PP3	17.000	S6	0.3	0.228	0.123	0.0633	
5760 minute summer	PP4	28.000	S2	0.8	0.373	0.231	0.1376	
5760 minute summer	PP5	31.000	S3	0.5	0.392	0.105	0.0489	



Results for 2 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S3	3300	0.405	0.055	0.9	0.0589	0.0000	OK
5760 minute winter	S4	3300	0.377	0.057	1.0	0.1001	0.0000	OK
5760 minute winter	Pond In 1	3300	0.036	0.031	1.0	0.0000	0.0000	OK
5760 minute winter	S10	3420	0.435	0.005	0.0	0.0054	0.0000	OK
5760 minute winter	S11	2940	0.435	0.015	0.1	0.0162	0.0000	OK
5760 minute winter	S12	3420	0.421	0.011	0.1	0.0154	0.0000	OK
5760 minute winter	S13	2340	0.414	0.004	0.0	0.0046	0.0000	OK
5760 minute winter	S14	2340	0.414	0.014	0.1	0.0197	0.0000	OK
5760 minute winter	S15	2340	0.411	0.021	0.2	0.0340	0.0000	OK
5760 minute winter	S16	3060	0.399	0.019	0.2	0.0203	0.0000	OK
5760 minute winter	S17	3000	0.397	0.027	0.2	0.0368	0.0000	OK
5760 minute winter	S18	3000	0.397	0.037	0.2	0.0498	0.0000	OK
5760 minute winter	S19	3000	0.397	0.047	0.2	0.0504	0.0000	OK
5760 minute winter	S1	3360	0.409	0.019	0.0	0.0206	0.0000	OK
5760 minute winter	S2	3360	0.409	0.029	0.7	0.0314	0.0000	OK

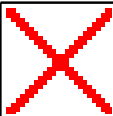
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S3	28.002	S4	0.9	0.077	0.031	0.4749	
5760 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
5760 minute winter	S4	28.003	Pond In 1	1.0	0.148	0.024	0.0981	
5760 minute winter	Pond In 1	Flow through pond	Pond Out	2.7	0.004	0.000	33.3934	
5760 minute winter	S10	2.001	S11	0.0	0.004	0.000	0.0046	
5760 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
5760 minute winter	S11	1.001	S12	0.1	0.082	0.002	0.0338	
5760 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
5760 minute winter	S12	1.002	S14	0.1	0.089	0.001	0.0102	
5760 minute winter	S13	8.000	S14	0.0	0.003	0.000	0.0110	
5760 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
5760 minute winter	S14	1.003	S15	0.1	0.069	0.002	0.0547	
5760 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
5760 minute winter	S15	1.004	S16	0.2	0.095	0.004	0.0837	
5760 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
5760 minute winter	S16	1.005	S17	0.2	0.094	0.002	0.0334	
5760 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
5760 minute winter	S17	1.006	S18	0.2	0.054	0.002	0.0476	
5760 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
5760 minute winter	S18	1.007	S19	0.2	0.034	0.003	0.1834	
5760 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
5760 minute winter	S19	1.008	S20	0.2	0.024	0.004	0.4527	
5760 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
5760 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
5760 minute winter	S1	30.000	S2	0.0	-0.001	0.000	0.2037	
5760 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
5760 minute winter	S2	18.000	S6	0.3	0.146	0.144	0.0217	
5760 minute winter	S2	32.000	S3	0.5	0.068	0.008	0.5743	



Results for 2 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S6	3000	0.405	0.035	0.5	0.0381	0.0000	OK
5760 minute winter	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	S5	3000	0.403	0.033	0.3	0.0361	0.0000	OK
5760 minute winter	S7	3000	0.401	0.041	0.8	0.0444	0.0000	OK
5760 minute winter	S8	3000	0.399	0.049	0.8	0.0525	0.0000	OK
5760 minute winter	S20	3000	0.396	0.056	1.2	0.1656	0.0000	OK
5760 minute winter	S21	3060	0.374	0.044	1.2	0.0583	0.0000	OK
5760 minute winter	S22	3060	0.363	0.033	0.0	0.0467	0.0000	OK
5760 minute winter	S23	3060	0.363	0.043	1.7	0.1904	0.0000	OK
5760 minute winter	S24	3060	0.345	0.035	1.8	0.0721	0.0000	OK
5760 minute winter	Pond In 2	3240	0.035	0.030	1.8	0.0000	0.0000	OK
5760 minute winter	Pond Out	3240	0.029	0.029	2.7	0.0000	0.0000	OK
5760 minute winter	Control MH	3240	-0.047	0.103	2.7	0.1817	0.0000	OK
5760 minute winter	Outfall	3240	-0.661	0.029	2.7	0.0000	0.0000	OK
5760 minute winter	1							
5760 minute winter	PP1	2880	0.845	0.015	0.1	0.3107	0.0000	OK
5760 minute winter	PP2	3420	0.967	0.017	0.3	2.2871	0.0000	OK

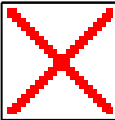
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S6	17.001	S7	0.5	0.084	0.010	0.2826	
5760 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
5760 minute winter	S9	16.000	S5	0.0	0.000	0.000	0.0252	
5760 minute winter	S9	5.000	S12	0.0	0.000	0.000	0.0210	
5760 minute winter	S9	2.000	S10	0.0	0.000	0.000	0.0025	
5760 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
5760 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
5760 minute winter	S5	15.001	S7	0.3	0.059	0.007	0.3474	
5760 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
5760 minute winter	S7	15.002	S8	0.8	0.100	0.011	0.1595	
5760 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
5760 minute winter	S8	15.003	S20	0.8	0.078	0.014	0.3314	
5760 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
5760 minute winter	S20	1.009	S21	1.2	0.122	0.041	1.1423	
5760 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
5760 minute winter	S21	1.010	S23	1.2	0.155	0.021	0.2424	
5760 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
5760 minute winter	S22	25.000	S23	0.0	0.008	0.000	0.6367	
5760 minute winter	S23	1.011	S24	1.7	0.253	0.019	0.0846	
5760 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
5760 minute winter	S24	1.012	Pond In 2	1.8	0.375	0.014	0.0297	
5760 minute winter	Pond In 2	Flow through pond	Pond Out	2.7	0.004	0.000	33.3934	
5760 minute winter	Pond Out	34.000	Control MH	2.7	0.238	0.019	0.1112	
5760 minute winter	Control MH	34.001	Outfall	2.7	0.779	0.020	0.1205	396.4
5760 minute winter	PP1	1.000	S11	0.1	0.184	0.036	0.0173	
5760 minute winter	PP2	15.000	S5	0.3	0.337	0.065	0.0344	



Results for 2 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	PP3	2940	0.826	0.026	0.3	1.9559	0.0000	OK
5760 minute winter	PP4	3420	0.972	0.034	1.0	33.8322	0.0000	OK
5760 minute winter	PP5	3300	0.958	0.020	0.4	4.9401	0.0000	OK

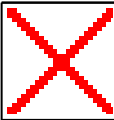
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	PP3	17.000	S6	0.3	0.216	0.104	0.0565	
5760 minute winter	PP4	28.000	S2	0.7	0.369	0.221	0.1334	
5760 minute winter	PP5	31.000	S3	0.4	0.368	0.084	0.0417	



Results for 2 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S3	4620	0.404	0.054	0.8	0.0582	0.0000	OK
8640 minute summer	S4	4620	0.376	0.056	0.9	0.0992	0.0000	OK
8640 minute summer	Pond In 1	4500	0.036	0.031	0.9	0.0000	0.0000	OK
8640 minute summer	S10	4560	0.435	0.005	0.0	0.0054	0.0000	OK
8640 minute summer	S11	4560	0.435	0.015	0.1	0.0162	0.0000	OK
8640 minute summer	S12	4500	0.421	0.011	0.1	0.0154	0.0000	OK
8640 minute summer	S13	3960	0.414	0.004	0.0	0.0046	0.0000	OK
8640 minute summer	S14	3960	0.414	0.014	0.1	0.0197	0.0000	OK
8640 minute summer	S15	3900	0.411	0.021	0.2	0.0340	0.0000	OK
8640 minute summer	S16	4440	0.401	0.021	0.2	0.0223	0.0000	OK
8640 minute summer	S17	4440	0.400	0.030	0.2	0.0400	0.0000	OK
8640 minute summer	S18	4440	0.399	0.039	0.2	0.0531	0.0000	OK
8640 minute summer	S19	4440	0.399	0.049	0.2	0.0531	0.0000	OK
8640 minute summer	S1	4500	0.408	0.018	0.0	0.0200	0.0000	OK
8640 minute summer	S2	4500	0.408	0.028	0.7	0.0308	0.0000	OK

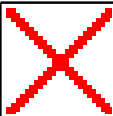
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S3	28.002	S4	0.8	0.077	0.030	0.4680	
8640 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
8640 minute summer	S4	28.003	Pond In 1	0.9	0.147	0.024	0.0968	
8640 minute summer	Pond In 1	Flow through pond	Pond Out	2.8	0.004	0.000	33.8774	
8640 minute summer	S10	2.001	S11	0.0	0.004	0.000	0.0046	
8640 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
8640 minute summer	S11	1.001	S12	0.1	0.082	0.002	0.0338	
8640 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
8640 minute summer	S12	1.002	S14	0.1	0.089	0.001	0.0102	
8640 minute summer	S13	8.000	S14	0.0	0.003	0.000	0.0110	
8640 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
8640 minute summer	S14	1.003	S15	0.1	0.068	0.002	0.0546	
8640 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
8640 minute summer	S15	1.004	S16	0.2	0.095	0.004	0.0894	
8640 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
8640 minute summer	S16	1.005	S17	0.2	0.097	0.002	0.0381	
8640 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
8640 minute summer	S17	1.006	S18	0.2	0.055	0.002	0.0526	
8640 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
8640 minute summer	S18	1.007	S19	0.2	0.034	0.003	0.1990	
8640 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
8640 minute summer	S19	1.008	S20	0.2	0.024	0.005	0.4847	
8640 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
8640 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
8640 minute summer	S1	30.000	S2	0.0	-0.001	0.000	0.1966	
8640 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
8640 minute summer	S2	18.000	S6	0.2	0.145	0.134	0.0220	
8640 minute summer	S2	32.000	S3	0.5	0.067	0.007	0.5630	



Results for 2 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S6	4440	0.407	0.037	0.5	0.0394	0.0000	OK
8640 minute summer	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	S5	4440	0.406	0.036	0.3	0.0385	0.0000	OK
8640 minute summer	S7	4440	0.403	0.043	0.8	0.0466	0.0000	OK
8640 minute summer	S8	4440	0.401	0.051	0.8	0.0550	0.0000	OK
8640 minute summer	S20	4440	0.399	0.059	1.3	0.1731	0.0000	OK
8640 minute summer	S21	4440	0.376	0.046	1.3	0.0611	0.0000	OK
8640 minute summer	S22	4380	0.365	0.035	0.0	0.0494	0.0000	OK
8640 minute summer	S23	4380	0.365	0.045	1.9	0.1990	0.0000	OK
8640 minute summer	S24	4380	0.348	0.038	2.0	0.0768	0.0000	OK
8640 minute summer	Pond In 2	4380	0.037	0.032	2.0	0.0000	0.0000	OK
8640 minute summer	Pond Out	4500	0.029	0.029	2.8	0.0000	0.0000	OK
8640 minute summer	Control MH	4500	-0.046	0.104	2.8	0.1846	0.0000	OK
8640 minute summer	Outfall	4500	-0.661	0.029	2.8	0.0000	0.0000	OK
8640 minute summer	1							
8640 minute summer	PP1	4500	0.845	0.015	0.1	0.3107	0.0000	OK
8640 minute summer	PP2	4380	0.969	0.019	0.4	2.6417	0.0000	OK

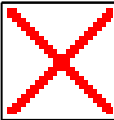
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S6	17.001	S7	0.5	0.083	0.010	0.3013	
8640 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
8640 minute summer	S9	16.000	S5	0.0	0.000	0.000	0.0277	
8640 minute summer	S9	5.000	S12	0.0	0.000	0.000	0.0210	
8640 minute summer	S9	2.000	S10	0.0	0.000	0.000	0.0024	
8640 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
8640 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
8640 minute summer	S5	15.001	S7	0.3	0.058	0.008	0.3781	
8640 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
8640 minute summer	S7	15.002	S8	0.8	0.100	0.011	0.1714	
8640 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
8640 minute summer	S8	15.003	S20	0.8	0.078	0.015	0.3542	
8640 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
8640 minute summer	S20	1.009	S21	1.3	0.127	0.046	1.2196	
8640 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
8640 minute summer	S21	1.010	S23	1.3	0.158	0.023	0.2576	
8640 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
8640 minute summer	S22	25.000	S23	0.0	-0.008	0.000	0.6861	
8640 minute summer	S23	1.011	S24	1.8	0.260	0.021	0.0914	
8640 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
8640 minute summer	S24	1.012	Pond In 2	2.0	0.390	0.016	0.0327	
8640 minute summer	Pond In 2	Flow through pond	Pond Out	2.8	0.004	0.000	33.8774	
8640 minute summer	Pond Out	34.000	Control MH	2.8	0.240	0.019	0.1136	
8640 minute summer	Control MH	34.001	Outfall	2.8	0.785	0.020	0.1229	387.5
8640 minute summer	PP1	1.000	S11	0.1	0.184	0.036	0.0173	
8640 minute summer	PP2	15.000	S5	0.3	0.351	0.075	0.0384	



Results for 2 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	PP3	4440	0.827	0.027	0.3	2.1649	0.0000	OK
8640 minute summer	PP4	4740	0.971	0.033	1.0	32.1503	0.0000	OK
8640 minute summer	PP5	4620	0.958	0.020	0.4	4.8768	0.0000	OK

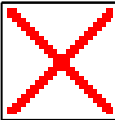
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	PP3	17.000	S6	0.3	0.224	0.117	0.0611	
8640 minute summer	PP4	28.000	S2	0.7	0.363	0.211	0.1289	
8640 minute summer	PP5	31.000	S3	0.4	0.367	0.083	0.0413	



Results for 2 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S3	4860	0.400	0.050	0.7	0.0538	0.0000	OK
8640 minute winter	S4	4860	0.373	0.053	0.8	0.0935	0.0000	OK
8640 minute winter	Pond In 1	4740	0.033	0.028	0.8	0.0000	0.0000	OK
8640 minute winter	S10	4800	0.435	0.005	0.0	0.0054	0.0000	OK
8640 minute winter	S11	5160	0.435	0.015	0.1	0.0163	0.0000	OK
8640 minute winter	S12	4800	0.421	0.011	0.1	0.0154	0.0000	OK
8640 minute winter	S13	3840	0.414	0.004	0.0	0.0046	0.0000	OK
8640 minute winter	S14	3840	0.414	0.014	0.1	0.0197	0.0000	OK
8640 minute winter	S15	3840	0.411	0.021	0.2	0.0339	0.0000	OK
8640 minute winter	S16	4560	0.398	0.018	0.2	0.0190	0.0000	OK
8640 minute winter	S17	4560	0.396	0.026	0.2	0.0346	0.0000	OK
8640 minute winter	S18	4560	0.395	0.035	0.2	0.0475	0.0000	OK
8640 minute winter	S19	4560	0.395	0.045	0.2	0.0485	0.0000	OK
8640 minute winter	S1	4860	0.406	0.016	0.0	0.0170	0.0000	OK
8640 minute winter	S2	4860	0.406	0.026	0.6	0.0278	0.0000	OK

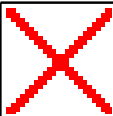
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S3	28.002	S4	0.7	0.072	0.025	0.4222	
8640 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
8640 minute winter	S4	28.003	Pond In 1	0.8	0.138	0.020	0.0881	
8640 minute winter	Pond In 1	Flow through pond	Pond Out	2.4	0.004	0.000	31.2129	
8640 minute winter	S10	2.001	S11	0.0	0.004	0.000	0.0046	
8640 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
8640 minute winter	S11	1.001	S12	0.1	0.082	0.002	0.0340	
8640 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
8640 minute winter	S12	1.002	S14	0.1	0.089	0.001	0.0102	
8640 minute winter	S13	8.000	S14	0.0	-0.006	0.000	0.0110	
8640 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
8640 minute winter	S14	1.003	S15	0.1	0.068	0.002	0.0545	
8640 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
8640 minute winter	S15	1.004	S16	0.2	0.094	0.004	0.0809	
8640 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
8640 minute winter	S16	1.005	S17	0.2	0.090	0.002	0.0305	
8640 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
8640 minute winter	S17	1.006	S18	0.2	0.052	0.002	0.0440	
8640 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
8640 minute winter	S18	1.007	S19	0.2	0.033	0.003	0.1724	
8640 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
8640 minute winter	S19	1.008	S20	0.2	0.023	0.004	0.4301	
8640 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
8640 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
8640 minute winter	S1	30.000	S2	0.0	-0.001	0.000	0.1648	
8640 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
8640 minute winter	S2	18.000	S6	0.2	0.140	0.121	0.0190	
8640 minute winter	S2	32.000	S3	0.4	0.065	0.007	0.4965	



Results for 2 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S6	4560	0.403	0.033	0.4	0.0353	0.0000	OK
8640 minute winter	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	S5	4560	0.402	0.032	0.3	0.0344	0.0000	OK
8640 minute winter	S7	4560	0.399	0.039	0.7	0.0421	0.0000	OK
8640 minute winter	S8	4560	0.397	0.047	0.7	0.0503	0.0000	OK
8640 minute winter	S20	4560	0.395	0.055	1.1	0.1603	0.0000	OK
8640 minute winter	S21	4560	0.372	0.042	1.1	0.0561	0.0000	OK
8640 minute winter	S22	4620	0.360	0.030	0.0	0.0434	0.0000	OK
8640 minute winter	S23	4620	0.360	0.040	1.5	0.1802	0.0000	OK
8640 minute winter	S24	4620	0.344	0.034	1.6	0.0687	0.0000	OK
8640 minute winter	Pond In 2	4620	0.033	0.028	1.6	0.0000	0.0000	OK
8640 minute winter	Pond Out	4680	0.027	0.027	2.4	0.0000	0.0000	OK
8640 minute winter	Control MH	4680	-0.055	0.095	2.4	0.1686	0.0000	OK
8640 minute winter	Outfall	4680	-0.663	0.027	2.4	0.0000	0.0000	OK
8640 minute winter	1							
8640 minute winter	PP1	4260	0.845	0.015	0.1	0.3107	0.0000	OK
8640 minute winter	PP2	4560	0.967	0.017	0.3	2.2693	0.0000	OK

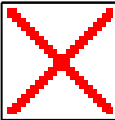
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S6	17.001	S7	0.4	0.082	0.009	0.2569	
8640 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
8640 minute winter	S9	16.000	S5	0.0	0.000	0.000	0.0234	
8640 minute winter	S9	5.000	S12	0.0	0.000	0.000	0.0210	
8640 minute winter	S9	2.000	S10	0.0	0.000	0.000	0.0025	
8640 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
8640 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
8640 minute winter	S5	15.001	S7	0.3	0.058	0.007	0.3217	
8640 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
8640 minute winter	S7	15.002	S8	0.7	0.099	0.010	0.1490	
8640 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
8640 minute winter	S8	15.003	S20	0.7	0.076	0.012	0.3144	
8640 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
8640 minute winter	S20	1.009	S21	1.1	0.119	0.038	1.0842	
8640 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
8640 minute winter	S21	1.010	S23	1.1	0.151	0.019	0.2256	
8640 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
8640 minute winter	S22	25.000	S23	0.0	0.005	0.000	0.5783	
8640 minute winter	S23	1.011	S24	1.5	0.242	0.017	0.0782	
8640 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
8640 minute winter	S24	1.012	Pond In 2	1.6	0.363	0.012	0.0276	
8640 minute winter	Pond In 2	Flow through pond	Pond Out	2.4	0.004	0.000	31.2129	
8640 minute winter	Pond Out	34.000	Control MH	2.4	0.231	0.017	0.1005	
8640 minute winter	Control MH	34.001	Outfall	2.4	0.750	0.017	0.1097	457.8
8640 minute winter	PP1	1.000	S11	0.1	0.184	0.036	0.0173	
8640 minute winter	PP2	15.000	S5	0.3	0.336	0.064	0.0342	



Results for 2 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	PP3	5100	0.823	0.023	0.2	1.5890	0.0000	OK
8640 minute winter	PP4	4860	0.969	0.031	0.7	28.4612	0.0000	OK
8640 minute winter	PP5	5100	0.955	0.017	0.3	3.7672	0.0000	OK

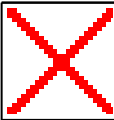
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	PP3	17.000	S6	0.2	0.201	0.083	0.0483	
8640 minute winter	PP4	28.000	S2	0.6	0.352	0.187	0.1180	
8640 minute winter	PP5	31.000	S3	0.3	0.339	0.064	0.0342	



Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S3	55	0.500	0.150	7.5	0.1620	0.0000	OK
60 minute summer	S4	55	0.455	0.135	8.8	0.2384	0.0000	OK
60 minute summer	Pond In 1	61	0.119	0.114	8.3	0.0000	0.0000	OK
60 minute summer	S10	40	0.562	0.132	3.1	0.1424	0.0000	OK
60 minute summer	S11	40	0.562	0.142	4.6	0.1532	0.0000	OK
60 minute summer	S12	40	0.562	0.152	9.0	0.2170	0.0000	OK
60 minute summer	S13	39	0.562	0.152	0.7	0.1642	0.0000	OK
60 minute summer	S14	39	0.562	0.162	7.8	0.2239	0.0000	OK
60 minute summer	S15	40	0.562	0.172	7.2	0.2772	0.0000	OK
60 minute summer	S16	40	0.561	0.181	4.4	0.1956	0.0000	OK
60 minute summer	S17	40	0.561	0.191	5.7	0.2580	0.0000	OK
60 minute summer	S18	40	0.561	0.201	7.7	0.2705	0.0000	OK
60 minute summer	S19	40	0.560	0.210	7.2	0.2263	0.0000	OK
60 minute summer	S1	55	0.504	0.114	2.6	0.1228	0.0000	OK
60 minute summer	S2	53	0.504	0.124	6.5	0.1334	0.0000	OK

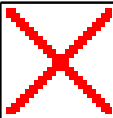
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S3	28.002	S4	7.3	0.174	0.261	1.8267	
60 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute summer	S4	28.003	Pond In 1	8.3	0.328	0.208	0.3683	
60 minute summer	Pond In 1	Flow through pond	Pond Out	54.3	0.060	0.007	140.6393	
60 minute summer	S10	2.001	S11	-3.1	-0.169	-0.021	0.2032	
60 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute summer	S11	1.001	S12	-3.2	-0.124	-0.053	1.2345	
60 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute summer	S12	1.002	S14	-5.2	-0.162	-0.048	0.4279	
60 minute summer	S13	8.000	S14	-0.7	-0.087	-0.008	0.6454	
60 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute summer	S14	1.003	S15	-4.0	-0.103	-0.066	1.4410	
60 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute summer	S15	1.004	S16	4.4	0.182	0.085	2.0712	
60 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute summer	S16	1.005	S17	4.9	0.149	0.051	0.6815	
60 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute summer	S17	1.006	S18	5.8	0.157	0.056	0.6288	
60 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute summer	S18	1.007	S19	7.2	0.168	0.114	1.7463	
60 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute summer	S19	1.008	S20	7.6	0.109	0.162	3.3384	
60 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute summer	S1	30.000	S2	-2.6	-0.170	-0.066	2.0905	
60 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute summer	S2	18.000	S6	-5.1	-0.659	-2.776	0.0783	
60 minute summer	S2	32.000	S3	4.8	0.132	0.076	3.0906	



Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S6	41	0.560	0.190	7.2	0.2049	0.0000	OK
60 minute summer	S9	39	0.563	0.123	5.2	0.1323	0.0000	OK
60 minute summer	S5	41	0.562	0.192	7.5	0.2071	0.0000	OK
60 minute summer	S7	41	0.560	0.200	11.7	0.2155	0.0000	OK
60 minute summer	S8	41	0.559	0.209	14.0	0.2255	0.0000	OK
60 minute summer	S20	40	0.557	0.217	26.3	0.6381	0.0000	OK
60 minute summer	S21	36	0.535	0.205	22.1	0.2721	0.0000	OK
60 minute summer	S22	35	0.536	0.206	6.1	0.2953	0.0000	OK
60 minute summer	S23	36	0.531	0.211	51.2	0.9438	0.0000	OK
60 minute summer	S24	35	0.497	0.187	58.4	0.3804	0.0000	OK
60 minute summer	Pond In 2	35	0.238	0.233	58.4	0.0000	0.0000	OK
60 minute summer	Pond Out	204	0.111	0.111	54.3	0.0000	0.0000	OK
60 minute summer	Control MH	109	0.200	0.350	32.1	0.6189	0.0000	SURCHARGED
60 minute summer	Outfall 1	162	-0.645	0.045	6.7	0.0000	0.0000	OK
60 minute summer	PP1	43	0.898	0.068	8.5	5.6863	0.0000	OK
60 minute summer	PP2	60	1.011	0.061	31.7	27.1890	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	S6	17.001	S7	-5.6	-0.129	-0.118	2.8821	
60 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute summer	S9	16.000	S5	4.6	0.134	0.017	0.4705	
60 minute summer	S9	5.000	S12	-2.9	-0.168	-0.036	1.8777	
60 minute summer	S9	2.000	S10	-2.6	-0.191	-0.033	0.5849	
60 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute summer	S5	15.001	S7	7.1	0.117	0.171	3.6961	
60 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute summer	S7	15.002	S8	-11.3	-0.236	-0.158	1.3668	
60 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute summer	S8	15.003	S20	-14.0	-0.251	-0.251	2.3765	
60 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute summer	S20	1.009	S21	21.3	0.315	0.753	8.4623	
60 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute summer	S21	1.010	S23	23.7	0.393	0.421	2.2450	
60 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute summer	S22	25.000	S23	-6.1	-0.128	-0.200	7.2474	
60 minute summer	S23	1.011	S24	47.4	0.710	0.531	0.8589	
60 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute summer	S24	1.012	Pond In 2	58.4	1.013	0.454	0.3583	
60 minute summer	Pond In 2	Flow through pond	Pond Out	54.3	0.060	0.007	140.6393	
60 minute summer	Pond Out	34.000	Control MH	32.1	0.703	0.223	0.4225	
60 minute summer	Control MH	34.001	Outfall	6.7	1.022	0.048	0.2287	103.2
60 minute summer	PP1	1.000	S11	2.0	0.437	0.707	0.1414	
60 minute summer	PP2	15.000	S5	3.1	0.645	0.663	0.1842	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

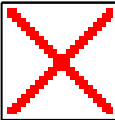
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	PP3	60	0.886	0.086	24.0	20.5060	0.0000	OK
60 minute summer	PP4	64	0.996	0.058	90.7	92.0526	0.0000	OK
60 minute summer	PP5	61	0.994	0.056	39.5	36.2268	0.0000	OK

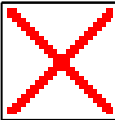
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	PP3	17.000	S6	2.2	0.403	0.925	0.2586	
60 minute summer	PP4	28.000	S2	1.9	0.473	0.567	0.2650	
60 minute summer	PP5	31.000	S3	2.8	0.631	0.584	0.1686	



Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S3	57	0.507	0.157	8.2	0.1696	0.0000	OK
60 minute winter	S4	42	0.462	0.142	9.6	0.2514	0.0000	OK
60 minute winter	Pond In 1	204	0.130	0.125	9.4	0.0000	0.0000	OK
60 minute winter	S10	43	0.567	0.137	2.7	0.1482	0.0000	OK
60 minute winter	S11	42	0.567	0.147	3.5	0.1591	0.0000	OK
60 minute winter	S12	43	0.567	0.157	6.6	0.2246	0.0000	OK
60 minute winter	S13	42	0.567	0.157	0.5	0.1698	0.0000	OK
60 minute winter	S14	42	0.567	0.167	5.4	0.2312	0.0000	OK
60 minute winter	S15	42	0.567	0.177	5.8	0.2857	0.0000	OK
60 minute winter	S16	42	0.566	0.186	4.7	0.2010	0.0000	OK
60 minute winter	S17	42	0.566	0.196	5.9	0.2647	0.0000	OK
60 minute winter	S18	42	0.565	0.205	7.3	0.2772	0.0000	OK
60 minute winter	S19	42	0.565	0.215	7.4	0.2317	0.0000	OK
60 minute winter	S1	57	0.510	0.120	2.0	0.1301	0.0000	OK
60 minute winter	S2	56	0.510	0.130	6.3	0.1409	0.0000	OK

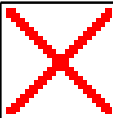
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S3	28.002	S4	8.1	0.182	0.287	1.9450	
60 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute winter	S4	28.003	Pond In 1	9.4	0.343	0.236	0.3976	
60 minute winter	Pond In 1	Flow through pond	Pond Out	52.0	0.057	0.007	163.7679	
60 minute winter	S10	2.001	S11	-2.7	-0.142	-0.019	0.2144	
60 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute winter	S11	1.001	S12	-2.0	-0.092	-0.033	1.2970	
60 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute winter	S12	1.002	S14	-3.4	-0.114	-0.031	0.4477	
60 minute winter	S13	8.000	S14	-0.5	-0.096	-0.006	0.6747	
60 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute winter	S14	1.003	S15	3.1	0.095	0.051	1.5027	
60 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute winter	S15	1.004	S16	4.7	0.189	0.089	2.1519	
60 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute winter	S16	1.005	S17	5.1	0.147	0.053	0.7059	
60 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute winter	S17	1.006	S18	6.1	0.161	0.058	0.6499	
60 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute winter	S18	1.007	S19	7.4	0.176	0.116	1.8016	
60 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute winter	S19	1.008	S20	7.8	0.108	0.168	3.4463	
60 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute winter	S1	30.000	S2	-2.0	-0.156	-0.052	2.2628	
60 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute winter	S2	18.000	S6	-4.9	-0.629	-2.649	0.0783	
60 minute winter	S2	32.000	S3	5.2	0.121	0.082	3.3112	



Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S6	43	0.565	0.195	6.3	0.2109	0.0000	OK
60 minute winter	S9	43	0.568	0.128	4.5	0.1383	0.0000	OK
60 minute winter	S5	42	0.567	0.197	8.3	0.2126	0.0000	OK
60 minute winter	S7	43	0.565	0.205	8.7	0.2215	0.0000	OK
60 minute winter	S8	43	0.564	0.214	9.5	0.2315	0.0000	OK
60 minute winter	S20	43	0.563	0.223	21.7	0.6548	0.0000	OK
60 minute winter	S21	40	0.538	0.208	23.2	0.2754	0.0000	OK
60 minute winter	S22	38	0.530	0.200	3.6	0.2856	0.0000	OK
60 minute winter	S23	38	0.529	0.209	47.5	0.9351	0.0000	OK
60 minute winter	S24	37	0.493	0.183	56.1	0.3727	0.0000	OK
60 minute winter	Pond In 2	37	0.232	0.228	56.1	0.0000	0.0000	OK
60 minute winter	Pond Out	217	0.128	0.128	52.0	0.0000	0.0000	OK
60 minute winter	Control MH	87	0.208	0.358	33.5	0.6333	0.0000	SURCHARGED
60 minute winter	Outfall 1	130	-0.645	0.045	6.7	0.0000	0.0000	OK
60 minute winter	PP1	46	0.902	0.072	6.9	6.3228	0.0000	OK
60 minute winter	PP2	59	1.015	0.065	25.7	30.8085	0.0000	OK

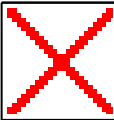
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S6	17.001	S7	-4.6	-0.115	-0.097	2.9908	
60 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute winter	S9	16.000	S5	5.2	0.147	0.019	0.4933	
60 minute winter	S9	5.000	S12	-2.2	-0.151	-0.027	1.9805	
60 minute winter	S9	2.000	S10	-2.4	-0.182	-0.030	0.6214	
60 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute winter	S5	15.001	S7	7.5	0.115	0.181	3.8229	
60 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute winter	S7	15.002	S8	-7.8	-0.197	-0.108	1.4155	
60 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute winter	S8	15.003	S20	-9.5	-0.207	-0.172	2.4586	
60 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute winter	S20	1.009	S21	22.4	0.322	0.793	8.8070	
60 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute winter	S21	1.010	S23	24.9	0.404	0.442	2.2438	
60 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute winter	S22	25.000	S23	-3.6	-0.140	-0.118	7.0565	
60 minute winter	S23	1.011	S24	47.3	0.723	0.530	0.8429	
60 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute winter	S24	1.012	Pond In 2	56.1	1.000	0.436	0.3487	
60 minute winter	Pond In 2	Flow through pond	Pond Out	52.0	0.057	0.007	163.7679	
60 minute winter	Pond Out	34.000	Control MH	33.5	0.706	0.233	0.4456	
60 minute winter	Control MH	34.001	Outfall	6.7	1.023	0.049	0.2289	104.8
60 minute winter	PP1	1.000	S11	2.2	0.448	0.777	0.1514	
60 minute winter	PP2	15.000	S5	3.4	0.660	0.728	0.1973	



Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP3	60	0.891	0.091	19.4	23.2510	0.0000	OK
60 minute winter	PP4	63	1.000	0.062	73.4	103.2587	0.0000	OK
60 minute winter	PP5	60	0.998	0.060	31.9	40.8084	0.0000	OK

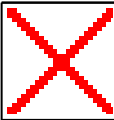
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	PP3	17.000	S6	2.4	0.411	1.004	0.2720	
60 minute winter	PP4	28.000	S2	2.1	0.486	0.632	0.2877	
60 minute winter	PP5	31.000	S3	3.1	0.652	0.656	0.1836	



Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S3	120	0.501	0.151	7.4	0.1632	0.0000	OK
180 minute summer	S4	112	0.458	0.138	8.9	0.2447	0.0000	OK
180 minute summer	Pond In 1	336	0.159	0.154	8.9	0.0000	0.0000	OK
180 minute summer	S10	108	0.536	0.106	1.6	0.1142	0.0000	OK
180 minute summer	S11	108	0.536	0.116	2.0	0.1251	0.0000	OK
180 minute summer	S12	108	0.536	0.126	2.9	0.1797	0.0000	OK
180 minute summer	S13	108	0.536	0.126	0.2	0.1358	0.0000	OK
180 minute summer	S14	108	0.536	0.136	2.1	0.1877	0.0000	OK
180 minute summer	S15	108	0.535	0.145	3.5	0.2349	0.0000	OK
180 minute summer	S16	108	0.535	0.155	3.6	0.1670	0.0000	OK
180 minute summer	S17	108	0.534	0.164	4.5	0.2222	0.0000	OK
180 minute summer	S18	108	0.534	0.174	5.5	0.2348	0.0000	OK
180 minute summer	S19	108	0.533	0.183	5.5	0.1979	0.0000	OK
180 minute summer	S1	120	0.504	0.114	0.5	0.1235	0.0000	OK
180 minute summer	S2	120	0.504	0.124	5.1	0.1343	0.0000	OK

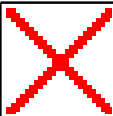
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S3	28.002	S4	7.4	0.171	0.264	1.8569	
180 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute summer	S4	28.003	Pond In 1	8.9	0.335	0.221	0.3825	
180 minute summer	Pond In 1	Flow through pond	Pond Out	28.4	0.024	0.004	202.7753	
180 minute summer	S10	2.001	S11	-1.6	-0.087	-0.011	0.1511	
180 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute summer	S11	1.001	S12	1.2	0.071	0.019	0.9402	
180 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute summer	S12	1.002	S14	1.7	0.099	0.016	0.3326	
180 minute summer	S13	8.000	S14	-0.2	-0.055	-0.002	0.5012	
180 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute summer	S14	1.003	S15	2.3	0.098	0.039	1.1403	
180 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute summer	S15	1.004	S16	3.6	0.148	0.069	1.6630	
180 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute summer	S16	1.005	S17	3.8	0.142	0.040	0.5544	
180 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute summer	S17	1.006	S18	4.6	0.134	0.044	0.5180	
180 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute summer	S18	1.007	S19	5.5	0.137	0.087	1.4555	
180 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute summer	S19	1.008	S20	5.7	0.095	0.123	2.8185	
180 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute summer	S1	30.000	S2	-0.5	-0.045	-0.013	2.1109	
180 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute summer	S2	18.000	S6	-3.5	-0.441	-1.867	0.0783	
180 minute summer	S2	32.000	S3	4.5	0.112	0.072	3.1229	



Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S6	108	0.533	0.163	4.0	0.1766	0.0000	OK
180 minute summer	S9	108	0.536	0.096	2.8	0.1033	0.0000	OK
180 minute summer	S5	108	0.535	0.165	5.6	0.1785	0.0000	OK
180 minute summer	S7	108	0.533	0.173	5.7	0.1873	0.0000	OK
180 minute summer	S8	108	0.533	0.183	6.1	0.1974	0.0000	OK
180 minute summer	S20	108	0.532	0.192	16.7	0.5634	0.0000	OK
180 minute summer	S21	104	0.506	0.176	17.7	0.2332	0.0000	OK
180 minute summer	S22	100	0.497	0.167	1.5	0.2394	0.0000	OK
180 minute summer	S23	100	0.497	0.177	34.5	0.7894	0.0000	OK
180 minute summer	S24	100	0.464	0.154	39.8	0.3131	0.0000	OK
180 minute summer	Pond In 2	100	0.190	0.185	39.9	0.0000	0.0000	OK
180 minute summer	Pond Out	312	0.157	0.157	35.3	0.0000	0.0000	OK
180 minute summer	Control MH	164	0.195	0.345	33.8	0.6102	0.0000	SURCHARGED
180 minute summer	Outfall	308	-0.645	0.045	6.8	0.0000	0.0000	OK
180 minute summer	1							
180 minute summer	PP1	112	0.894	0.064	4.1	5.1751	0.0000	OK
180 minute summer	PP2	128	1.013	0.063	15.1	28.9435	0.0000	OK

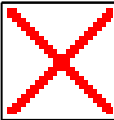
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S6	17.001	S7	2.6	0.109	0.056	2.3765	
180 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute summer	S9	16.000	S5	2.5	0.070	0.009	0.3686	
180 minute summer	S9	5.000	S12	-1.3	-0.089	-0.016	1.3926	
180 minute summer	S9	2.000	S10	-1.5	-0.111	-0.019	0.4215	
180 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute summer	S5	15.001	S7	5.7	0.107	0.137	3.0487	
180 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute summer	S7	15.002	S8	6.1	0.164	0.085	1.1410	
180 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute summer	S8	15.003	S20	6.3	0.151	0.114	2.0090	
180 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute summer	S20	1.009	S21	17.0	0.293	0.600	7.1629	
180 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
180 minute summer	S21	1.010	S23	18.4	0.362	0.327	1.7939	
180 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
180 minute summer	S22	25.000	S23	-1.5	-0.078	-0.048	5.6109	
180 minute summer	S23	1.011	S24	34.2	0.655	0.383	0.6708	
180 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
180 minute summer	S24	1.012	Pond In 2	39.9	0.902	0.310	0.2747	
180 minute summer	Pond In 2	Flow through pond	Pond Out	28.4	0.024	0.004	202.7753	
180 minute summer	Pond Out	34.000	Control MH	33.8	0.673	0.235	0.4849	
180 minute summer	Control MH	34.001	Outfall	6.8	1.025	0.049	0.2301	135.0
180 minute summer	PP1	1.000	S11	1.8	0.428	0.650	0.1330	
180 minute summer	PP2	15.000	S5	3.2	0.653	0.695	0.1907	



Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	PP3	128	0.888	0.088	11.4	21.7542	0.0000	OK
180 minute summer	PP4	184	1.005	0.067	43.2	114.5429	0.0000	OK
180 minute summer	PP5	136	0.997	0.059	18.8	39.7536	0.0000	OK

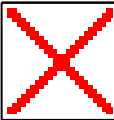
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	PP3	17.000	S6	2.3	0.407	0.962	0.2651	
180 minute summer	PP4	28.000	S2	2.3	0.496	0.697	0.3100	
180 minute summer	PP5	31.000	S3	3.0	0.647	0.640	0.1802	



Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S3	128	0.505	0.155	7.8	0.1675	0.0000	OK
180 minute winter	S4	116	0.462	0.142	9.4	0.2507	0.0000	OK
180 minute winter	Pond In 1	304	0.186	0.182	9.4	0.0000	0.0000	OK
180 minute winter	S10	112	0.534	0.104	1.5	0.1119	0.0000	OK
180 minute winter	S11	112	0.534	0.114	1.9	0.1229	0.0000	OK
180 minute winter	S12	112	0.534	0.124	2.0	0.1767	0.0000	OK
180 minute winter	S13	112	0.534	0.124	0.1	0.1335	0.0000	OK
180 minute winter	S14	112	0.534	0.134	2.3	0.1848	0.0000	OK
180 minute winter	S15	112	0.533	0.143	3.5	0.2315	0.0000	OK
180 minute winter	S16	112	0.533	0.153	3.6	0.1647	0.0000	OK
180 minute winter	S17	112	0.532	0.162	4.5	0.2194	0.0000	OK
180 minute winter	S18	112	0.532	0.172	5.5	0.2319	0.0000	OK
180 minute winter	S19	112	0.531	0.181	5.5	0.1956	0.0000	OK
180 minute winter	S1	128	0.508	0.118	0.4	0.1276	0.0000	OK
180 minute winter	S2	128	0.508	0.128	4.9	0.1384	0.0000	OK

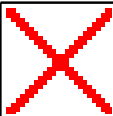
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S3	28.002	S4	7.8	0.175	0.278	1.9268	
180 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute winter	S4	28.003	Pond In 1	9.4	0.343	0.234	0.3962	
180 minute winter	Pond In 1	Flow through pond	Pond Out	26.9	0.026	0.003	236.0725	
180 minute winter	S10	2.001	S11	-1.5	-0.075	-0.010	0.1471	
180 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute winter	S11	1.001	S12	1.2	0.072	0.020	0.9179	
180 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute winter	S12	1.002	S14	1.9	0.102	0.017	0.3253	
180 minute winter	S13	8.000	S14	-0.1	-0.057	-0.002	0.4899	
180 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute winter	S14	1.003	S15	2.5	0.100	0.041	1.1169	
180 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute winter	S15	1.004	S16	3.6	0.160	0.069	1.6308	
180 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute winter	S16	1.005	S17	3.7	0.156	0.039	0.5443	
180 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute winter	S17	1.006	S18	4.5	0.145	0.044	0.5093	
180 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute winter	S18	1.007	S19	5.5	0.137	0.086	1.4324	
180 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute winter	S19	1.008	S20	5.6	0.094	0.120	2.7772	
180 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute winter	S1	30.000	S2	-0.4	-0.053	-0.010	2.2045	
180 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute winter	S2	18.000	S6	-3.1	-0.392	-1.656	0.0783	
180 minute winter	S2	32.000	S3	4.6	0.109	0.073	3.2453	



Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S6	112	0.531	0.161	3.4	0.1744	0.0000	OK
180 minute winter	S9	112	0.533	0.093	2.6	0.1007	0.0000	OK
180 minute winter	S5	112	0.533	0.163	5.7	0.1765	0.0000	OK
180 minute winter	S7	112	0.531	0.171	5.9	0.1851	0.0000	OK
180 minute winter	S8	112	0.531	0.181	6.3	0.1953	0.0000	OK
180 minute winter	S20	112	0.530	0.190	16.7	0.5575	0.0000	OK
180 minute winter	S21	108	0.501	0.171	17.7	0.2275	0.0000	OK
180 minute winter	S22	104	0.490	0.160	0.8	0.2292	0.0000	OK
180 minute winter	S23	104	0.490	0.170	32.2	0.7602	0.0000	OK
180 minute winter	S24	104	0.457	0.147	36.6	0.2998	0.0000	OK
180 minute winter	Pond In 2	332	0.191	0.186	36.6	0.0000	0.0000	OK
180 minute winter	Pond Out	340	0.182	0.182	41.7	0.0000	0.0000	OK
180 minute winter	Control MH	132	0.207	0.357	24.1	0.6312	0.0000	SURCHARGED
180 minute winter	Outfall 1	340	-0.645	0.045	6.8	0.0000	0.0000	OK
180 minute winter	PP1	116	0.895	0.065	3.1	5.3092	0.0000	OK
180 minute winter	PP2	136	1.016	0.066	11.6	32.0172	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	S6	17.001	S7	2.9	0.112	0.062	2.3380	
180 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute winter	S9	16.000	S5	2.5	0.071	0.009	0.3607	
180 minute winter	S9	5.000	S12	-1.2	-0.081	-0.015	1.3538	
180 minute winter	S9	2.000	S10	-1.3	-0.101	-0.017	0.4084	
180 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute winter	S5	15.001	S7	5.6	0.105	0.133	3.0014	
180 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute winter	S7	15.002	S8	6.3	0.167	0.088	1.1238	
180 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute winter	S8	15.003	S20	6.5	0.154	0.117	1.9805	
180 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute winter	S20	1.009	S21	16.9	0.293	0.597	7.0056	
180 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
180 minute winter	S21	1.010	S23	18.0	0.360	0.320	1.7254	
180 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
180 minute winter	S22	25.000	S23	-0.8	-0.092	-0.026	5.3122	
180 minute winter	S23	1.011	S24	32.1	0.645	0.359	0.6350	
180 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
180 minute winter	S24	1.012	Pond In 2	36.6	0.882	0.285	0.2584	
180 minute winter	Pond In 2	Flow through pond	Pond Out	26.9	0.026	0.003	236.0725	
180 minute winter	Pond Out	34.000	Control MH	24.1	0.479	0.168	0.5176	
180 minute winter	Control MH	34.001	Outfall	6.8	1.026	0.049	0.2309	138.3
180 minute winter	PP1	1.000	S11	1.9	0.431	0.665	0.1352	
180 minute winter	PP2	15.000	S5	3.5	0.665	0.749	0.2016	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

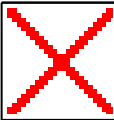
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP3	136	0.893	0.093	8.8	24.3691	0.0000	OK
180 minute winter	PP4	180	1.011	0.073	33.2	128.9309	0.0000	OK
180 minute winter	PP5	140	1.002	0.064	14.5	44.5028	0.0000	OK

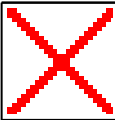
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP3	17.000	S6	2.5	0.414	1.034	0.2766	
180 minute winter	PP4	28.000	S2	2.6	0.507	0.774	0.3364	
180 minute winter	PP5	31.000	S3	3.4	0.666	0.713	0.1950	



Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S3	216	0.494	0.144	6.7	0.1554	0.0000	OK
360 minute summer	S4	208	0.452	0.132	8.0	0.2338	0.0000	OK
360 minute summer	Pond In 1	432	0.184	0.179	8.0	0.0000	0.0000	OK
360 minute summer	S10	200	0.513	0.083	1.0	0.0892	0.0000	OK
360 minute summer	S11	200	0.513	0.093	1.5	0.1002	0.0000	OK
360 minute summer	S12	200	0.513	0.103	1.5	0.1466	0.0000	OK
360 minute summer	S13	200	0.513	0.103	0.1	0.1108	0.0000	OK
360 minute summer	S14	200	0.513	0.113	1.9	0.1557	0.0000	OK
360 minute summer	S15	200	0.512	0.122	2.9	0.1975	0.0000	OK
360 minute summer	S16	200	0.511	0.131	3.0	0.1419	0.0000	OK
360 minute summer	S17	200	0.511	0.141	3.6	0.1907	0.0000	OK
360 minute summer	S18	200	0.511	0.151	4.3	0.2034	0.0000	OK
360 minute summer	S19	200	0.510	0.160	4.3	0.1728	0.0000	OK
360 minute summer	S1	216	0.497	0.107	0.3	0.1154	0.0000	OK
360 minute summer	S2	216	0.497	0.117	4.2	0.1262	0.0000	OK

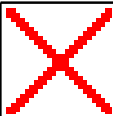
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S3	28.002	S4	6.7	0.164	0.238	1.7457	
360 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
360 minute summer	S4	28.003	Pond In 1	8.0	0.322	0.199	0.3582	
360 minute summer	Pond In 1	Flow through pond	Pond Out	22.0	0.016	0.003	234.6602	
360 minute summer	S10	2.001	S11	-1.0	-0.065	-0.007	0.1083	
360 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
360 minute summer	S11	1.001	S12	1.0	0.087	0.016	0.6964	
360 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
360 minute summer	S12	1.002	S14	1.6	0.093	0.015	0.2530	
360 minute summer	S13	8.000	S14	-0.1	-0.028	-0.001	0.3811	
360 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
360 minute summer	S14	1.003	S15	2.0	0.096	0.032	0.8872	
360 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
360 minute summer	S15	1.004	S16	3.0	0.128	0.056	1.3171	
360 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
360 minute summer	S16	1.005	S17	3.0	0.132	0.032	0.4460	
360 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
360 minute summer	S17	1.006	S18	3.6	0.122	0.035	0.4232	
360 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
360 minute summer	S18	1.007	S19	4.3	0.113	0.068	1.2051	
360 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
360 minute summer	S19	1.008	S20	4.3	0.084	0.093	2.3615	
360 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
360 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
360 minute summer	S1	30.000	S2	-0.3	-0.028	-0.007	1.9263	
360 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
360 minute summer	S2	18.000	S6	-2.5	-0.316	-1.337	0.0783	
360 minute summer	S2	32.000	S3	3.9	0.105	0.062	2.8944	



Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S6	200	0.510	0.140	2.7	0.1516	0.0000	OK
360 minute summer	S9	200	0.512	0.072	1.8	0.0781	0.0000	OK
360 minute summer	S5	200	0.512	0.142	4.4	0.1537	0.0000	OK
360 minute summer	S7	200	0.510	0.150	5.1	0.1624	0.0000	OK
360 minute summer	S8	200	0.510	0.160	5.3	0.1725	0.0000	OK
360 minute summer	S20	200	0.509	0.169	13.2	0.4957	0.0000	OK
360 minute summer	S21	200	0.481	0.151	13.9	0.2003	0.0000	OK
360 minute summer	S22	192	0.470	0.140	0.6	0.2010	0.0000	OK
360 minute summer	S23	192	0.470	0.150	25.2	0.6719	0.0000	OK
360 minute summer	S24	192	0.440	0.130	28.5	0.2647	0.0000	OK
360 minute summer	Pond In 2	432	0.190	0.185	28.6	0.0000	0.0000	OK
360 minute summer	Pond Out	448	0.181	0.181	33.3	0.0000	0.0000	OK
360 minute summer	Control MH	232	0.210	0.360	23.0	0.6366	0.0000	SURCHARGED
360 minute summer	Outfall	408	-0.645	0.045	6.8	0.0000	0.0000	OK
360 minute summer	1							
360 minute summer	PP1	208	0.887	0.057	2.5	4.1307	0.0000	OK
360 minute summer	PP2	232	1.010	0.060	9.4	26.8330	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	S6	17.001	S7	2.4	0.113	0.052	1.9427	
360 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
360 minute summer	S9	16.000	S5	1.6	0.063	0.006	0.2831	
360 minute summer	S9	5.000	S12	-0.9	-0.070	-0.011	0.9993	
360 minute summer	S9	2.000	S10	-1.0	-0.090	-0.012	0.2897	
360 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
360 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
360 minute summer	S5	15.001	S7	4.4	0.100	0.106	2.4962	
360 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
360 minute summer	S7	15.002	S8	5.3	0.163	0.074	0.9453	
360 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
360 minute summer	S8	15.003	S20	5.4	0.150	0.098	1.6838	
360 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
360 minute summer	S20	1.009	S21	13.3	0.272	0.472	5.9546	
360 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
360 minute summer	S21	1.010	S23	14.1	0.334	0.251	1.4518	
360 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
360 minute summer	S22	25.000	S23	-0.6	-0.058	-0.019	4.4626	
360 minute summer	S23	1.011	S24	25.0	0.598	0.280	0.5356	
360 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
360 minute summer	S24	1.012	Pond In 2	28.6	0.819	0.222	0.2168	
360 minute summer	Pond In 2	Flow through pond	Pond Out	22.0	0.016	0.003	234.6602	
360 minute summer	Pond Out	34.000	Control MH	23.0	0.477	0.160	0.5162	
360 minute summer	Control MH	34.001	Outfall	6.8	1.026	0.049	0.2309	184.4
360 minute summer	PP1	1.000	S11	1.5	0.406	0.532	0.1151	
360 minute summer	PP2	15.000	S5	3.0	0.643	0.657	0.1829	



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13 Gostwick
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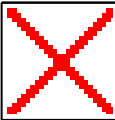
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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10/01/2024

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Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	PP3	232	0.885	0.085	7.1	20.2723	0.0000	OK
360 minute summer	PP4	344	1.007	0.069	26.9	119.8506	0.0000	OK
360 minute summer	PP5	240	0.996	0.058	11.7	38.8720	0.0000	OK

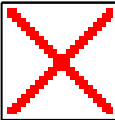
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	PP3	17.000	S6	2.2	0.403	0.918	0.2573	
360 minute summer	PP4	28.000	S2	2.4	0.501	0.726	0.3199	
360 minute summer	PP5	31.000	S3	3.0	0.643	0.626	0.1773	



Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S3	232	0.495	0.145	6.8	0.1569	0.0000	OK
360 minute winter	S4	216	0.452	0.132	8.0	0.2340	0.0000	OK
360 minute winter	Pond In 1	456	0.210	0.205	8.0	0.0000	0.0000	OK
360 minute winter	S10	216	0.508	0.078	0.8	0.0847	0.0000	OK
360 minute winter	S11	216	0.508	0.088	1.4	0.0956	0.0000	OK
360 minute winter	S12	216	0.508	0.098	1.5	0.1405	0.0000	OK
360 minute winter	S13	216	0.508	0.098	0.1	0.1061	0.0000	OK
360 minute winter	S14	216	0.508	0.108	1.9	0.1497	0.0000	OK
360 minute winter	S15	216	0.508	0.118	2.9	0.1902	0.0000	OK
360 minute winter	S16	216	0.507	0.127	2.9	0.1367	0.0000	OK
360 minute winter	S17	216	0.506	0.136	3.5	0.1843	0.0000	OK
360 minute winter	S18	216	0.506	0.146	4.1	0.1969	0.0000	OK
360 minute winter	S19	216	0.505	0.155	4.1	0.1676	0.0000	OK
360 minute winter	S1	232	0.498	0.108	0.2	0.1166	0.0000	OK
360 minute winter	S2	232	0.498	0.118	3.9	0.1274	0.0000	OK

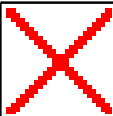
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S3	28.002	S4	6.8	0.166	0.243	1.7605	
360 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
360 minute winter	S4	28.003	Pond In 1	8.0	0.322	0.199	0.3586	
360 minute winter	Pond In 1	Flow through pond	Pond Out	20.7	0.017	0.003	272.3795	
360 minute winter	S10	2.001	S11	-0.8	-0.058	-0.006	0.1008	
360 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
360 minute winter	S11	1.001	S12	0.9	0.078	0.015	0.6528	
360 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
360 minute winter	S12	1.002	S14	1.6	0.092	0.015	0.2385	
360 minute winter	S13	8.000	S14	-0.1	-0.036	-0.001	0.3592	
360 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
360 minute winter	S14	1.003	S15	2.0	0.097	0.033	0.8400	
360 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
360 minute winter	S15	1.004	S16	2.9	0.145	0.056	1.2500	
360 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
360 minute winter	S16	1.005	S17	3.0	0.149	0.031	0.4244	
360 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
360 minute winter	S17	1.006	S18	3.5	0.128	0.034	0.4040	
360 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
360 minute winter	S18	1.007	S19	4.1	0.117	0.065	1.1540	
360 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
360 minute winter	S19	1.008	S20	4.1	0.082	0.088	2.2677	
360 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
360 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
360 minute winter	S1	30.000	S2	-0.2	-0.033	-0.005	1.9525	
360 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
360 minute winter	S2	18.000	S6	-2.0	-0.260	-1.099	0.0783	
360 minute winter	S2	32.000	S3	3.8	0.101	0.060	2.9326	



Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S6	216	0.506	0.136	2.7	0.1470	0.0000	OK
360 minute winter	S9	216	0.508	0.068	1.5	0.0736	0.0000	OK
360 minute winter	S5	216	0.508	0.138	4.2	0.1492	0.0000	OK
360 minute winter	S7	216	0.506	0.146	5.3	0.1578	0.0000	OK
360 minute winter	S8	216	0.505	0.155	5.5	0.1676	0.0000	OK
360 minute winter	S20	216	0.504	0.164	12.7	0.4815	0.0000	OK
360 minute winter	S21	208	0.474	0.144	13.3	0.1916	0.0000	OK
360 minute winter	S22	200	0.462	0.132	0.3	0.1888	0.0000	OK
360 minute winter	S23	200	0.462	0.142	22.5	0.6340	0.0000	OK
360 minute winter	S24	200	0.432	0.122	25.1	0.2483	0.0000	OK
360 minute winter	Pond In 2	448	0.215	0.210	25.1	0.0000	0.0000	OK
360 minute winter	Pond Out	464	0.208	0.208	37.4	0.0000	0.0000	OK
360 minute winter	Control MH	472	0.226	0.376	35.6	0.6640	0.0000	SURCHARGED
360 minute winter	Outfall 1	480	-0.645	0.045	6.9	0.0000	0.0000	OK
360 minute winter	PP1	216	0.885	0.055	1.8	3.8981	0.0000	OK
360 minute winter	PP2	248	1.012	0.062	6.8	28.6394	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	S6	17.001	S7	2.7	0.116	0.058	1.8646	
360 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
360 minute winter	S9	16.000	S5	1.3	0.056	0.005	0.2683	
360 minute winter	S9	5.000	S12	-0.7	-0.065	-0.009	0.9303	
360 minute winter	S9	2.000	S10	-0.8	-0.086	-0.010	0.2669	
360 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
360 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
360 minute winter	S5	15.001	S7	4.2	0.098	0.101	2.3977	
360 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
360 minute winter	S7	15.002	S8	5.5	0.166	0.077	0.9089	
360 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
360 minute winter	S8	15.003	S20	5.6	0.153	0.100	1.6191	
360 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
360 minute winter	S20	1.009	S21	12.8	0.271	0.453	5.6646	
360 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
360 minute winter	S21	1.010	S23	13.4	0.332	0.238	1.3540	
360 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
360 minute winter	S22	25.000	S23	-0.3	-0.066	-0.010	4.1051	
360 minute winter	S23	1.011	S24	22.4	0.580	0.251	0.4922	
360 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
360 minute winter	S24	1.012	Pond In 2	25.1	0.791	0.196	0.1977	
360 minute winter	Pond In 2	Flow through pond	Pond Out	20.7	0.017	0.003	272.3795	
360 minute winter	Pond Out	34.000	Control MH	35.6	0.653	0.248	0.5519	
360 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2316	189.9
360 minute winter	PP1	1.000	S11	1.4	0.401	0.506	0.1110	
360 minute winter	PP2	15.000	S5	3.2	0.651	0.689	0.1896	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

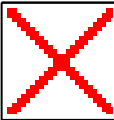
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Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	PP3	248	0.888	0.088	5.2	21.7387	0.0000	OK
360 minute winter	PP4	344	1.013	0.075	19.5	135.6694	0.0000	OK
360 minute winter	PP5	256	1.000	0.062	8.5	42.2455	0.0000	OK

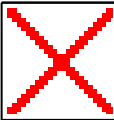
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	PP3	17.000	S6	2.3	0.407	0.962	0.2650	
360 minute winter	PP4	28.000	S2	2.7	0.511	0.808	0.3481	
360 minute winter	PP5	31.000	S3	3.2	0.657	0.679	0.1881	



Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S3	280	0.489	0.139	6.2	0.1504	0.0000	OK
480 minute summer	S4	272	0.448	0.128	7.3	0.2260	0.0000	OK
480 minute summer	Pond In 1	504	0.193	0.188	7.3	0.0000	0.0000	OK
480 minute summer	S10	264	0.503	0.073	0.8	0.0790	0.0000	OK
480 minute summer	S11	264	0.503	0.083	1.3	0.0899	0.0000	OK
480 minute summer	S12	264	0.503	0.093	1.3	0.1330	0.0000	OK
480 minute summer	S13	264	0.503	0.093	0.1	0.1005	0.0000	OK
480 minute summer	S14	264	0.503	0.103	1.8	0.1425	0.0000	OK
480 minute summer	S15	264	0.503	0.113	2.6	0.1819	0.0000	OK
480 minute summer	S16	264	0.502	0.122	2.6	0.1313	0.0000	OK
480 minute summer	S17	264	0.501	0.131	3.2	0.1774	0.0000	OK
480 minute summer	S18	264	0.501	0.141	3.8	0.1901	0.0000	OK
480 minute summer	S19	264	0.500	0.150	3.8	0.1622	0.0000	OK
480 minute summer	S1	280	0.492	0.102	0.2	0.1102	0.0000	OK
480 minute summer	S2	280	0.492	0.112	3.8	0.1210	0.0000	OK

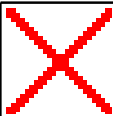
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S3	28.002	S4	6.2	0.160	0.222	1.6698	
480 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
480 minute summer	S4	28.003	Pond In 1	7.3	0.312	0.183	0.3401	
480 minute summer	Pond In 1	Flow through pond	Pond Out	19.9	0.014	0.003	243.0569	
480 minute summer	S10	2.001	S11	-0.8	-0.058	-0.006	0.0919	
480 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
480 minute summer	S11	1.001	S12	0.8	0.091	0.014	0.6018	
480 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
480 minute summer	S12	1.002	S14	1.5	0.094	0.013	0.2218	
480 minute summer	S13	8.000	S14	-0.1	-0.029	-0.001	0.3340	
480 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
480 minute summer	S14	1.003	S15	1.8	0.095	0.030	0.7865	
480 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
480 minute summer	S15	1.004	S16	2.6	0.125	0.050	1.1774	
480 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
480 minute summer	S16	1.005	S17	2.7	0.133	0.028	0.4018	
480 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
480 minute summer	S17	1.006	S18	3.2	0.122	0.031	0.3842	
480 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
480 minute summer	S18	1.007	S19	3.8	0.110	0.060	1.1014	
480 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
480 minute summer	S19	1.008	S20	3.8	0.080	0.081	2.1718	
480 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
480 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
480 minute summer	S1	30.000	S2	-0.2	-0.023	-0.005	1.8109	
480 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
480 minute summer	S2	18.000	S6	-2.1	-0.265	-1.119	0.0783	
480 minute summer	S2	32.000	S3	3.6	0.101	0.057	2.7492	



Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S6	264	0.501	0.131	2.4	0.1413	0.0000	OK
480 minute summer	S9	264	0.503	0.063	1.5	0.0678	0.0000	OK
480 minute summer	S5	264	0.503	0.133	3.9	0.1435	0.0000	OK
480 minute summer	S7	264	0.501	0.141	4.8	0.1521	0.0000	OK
480 minute summer	S8	264	0.500	0.150	5.0	0.1621	0.0000	OK
480 minute summer	S20	264	0.499	0.159	11.8	0.4670	0.0000	OK
480 minute summer	S21	256	0.471	0.141	12.4	0.1867	0.0000	OK
480 minute summer	S22	256	0.460	0.130	0.4	0.1854	0.0000	OK
480 minute summer	S23	256	0.460	0.140	21.6	0.6234	0.0000	OK
480 minute summer	S24	256	0.430	0.120	24.3	0.2445	0.0000	OK
480 minute summer	Pond In 2	488	0.191	0.186	24.4	0.0000	0.0000	OK
480 minute summer	Pond Out	536	0.187	0.187	28.7	0.0000	0.0000	OK
480 minute summer	Control MH	296	0.214	0.364	25.5	0.6427	0.0000	SURCHARGED
480 minute summer	Outfall	536	-0.645	0.045	6.8	0.0000	0.0000	OK
480 minute summer	1							
480 minute summer	PP1	272	0.882	0.052	1.9	3.5726	0.0000	OK
480 minute summer	PP2	296	1.008	0.058	7.2	25.0961	0.0000	OK

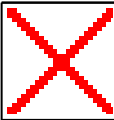
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S6	17.001	S7	2.4	0.114	0.051	1.7684	
480 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
480 minute summer	S9	16.000	S5	1.3	0.057	0.005	0.2499	
480 minute summer	S9	5.000	S12	-0.7	-0.061	-0.009	0.8488	
480 minute summer	S9	2.000	S10	-0.8	-0.080	-0.009	0.2398	
480 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
480 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
480 minute summer	S5	15.001	S7	3.9	0.096	0.094	2.2748	
480 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
480 minute summer	S7	15.002	S8	5.0	0.158	0.070	0.8658	
480 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
480 minute summer	S8	15.003	S20	5.1	0.145	0.091	1.5497	
480 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
480 minute summer	S20	1.009	S21	11.9	0.264	0.420	5.4420	
480 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
480 minute summer	S21	1.010	S23	12.5	0.323	0.223	1.3171	
480 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
480 minute summer	S22	25.000	S23	-0.4	-0.051	-0.014	4.0070	
480 minute summer	S23	1.011	S24	21.6	0.572	0.242	0.4812	
480 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
480 minute summer	S24	1.012	Pond In 2	24.4	0.783	0.190	0.1934	
480 minute summer	Pond In 2	Flow through pond	Pond Out	19.9	0.014	0.003	243.0569	
480 minute summer	Pond Out	34.000	Control MH	25.5	0.485	0.177	0.5243	
480 minute summer	Control MH	34.001	Outfall	6.8	1.027	0.049	0.2311	218.3
480 minute summer	PP1	1.000	S11	1.3	0.393	0.469	0.1051	
480 minute summer	PP2	15.000	S5	2.9	0.635	0.624	0.1762	



Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	PP3	296	0.883	0.083	5.5	19.0845	0.0000	OK
480 minute summer	PP4	392	1.007	0.069	20.7	119.7283	0.0000	OK
480 minute summer	PP5	304	0.995	0.057	9.0	37.3855	0.0000	OK

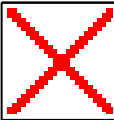
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	PP3	17.000	S6	2.1	0.399	0.881	0.2503	
480 minute summer	PP4	28.000	S2	2.4	0.501	0.725	0.3197	
480 minute summer	PP5	31.000	S3	2.8	0.637	0.603	0.1724	



Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S3	304	0.490	0.140	6.3	0.1508	0.0000	OK
480 minute winter	S4	288	0.448	0.128	7.3	0.2257	0.0000	OK
480 minute winter	Pond In 1	536	0.217	0.212	7.3	0.0000	0.0000	OK
480 minute winter	S10	280	0.499	0.069	0.6	0.0742	0.0000	OK
480 minute winter	S11	280	0.499	0.079	1.2	0.0851	0.0000	OK
480 minute winter	S12	280	0.499	0.089	1.4	0.1266	0.0000	OK
480 minute winter	S13	280	0.498	0.088	0.0	0.0955	0.0000	OK
480 minute winter	S14	280	0.498	0.098	1.8	0.1362	0.0000	OK
480 minute winter	S15	280	0.498	0.108	2.6	0.1743	0.0000	OK
480 minute winter	S16	280	0.497	0.117	2.6	0.1260	0.0000	OK
480 minute winter	S17	280	0.496	0.126	3.1	0.1708	0.0000	OK
480 minute winter	S18	280	0.496	0.136	3.6	0.1835	0.0000	OK
480 minute winter	S19	280	0.495	0.145	3.6	0.1569	0.0000	OK
480 minute winter	S1	296	0.492	0.102	0.1	0.1104	0.0000	OK
480 minute winter	S2	296	0.492	0.112	3.5	0.1212	0.0000	OK

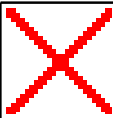
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S3	28.002	S4	6.3	0.161	0.223	1.6708	
480 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
480 minute winter	S4	28.003	Pond In 1	7.3	0.312	0.182	0.3394	
480 minute winter	Pond In 1	Flow through pond	Pond Out	18.1	0.015	0.002	281.7018	
480 minute winter	S10	2.001	S11	-0.6	-0.051	-0.004	0.0844	
480 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
480 minute winter	S11	1.001	S12	0.8	0.093	0.013	0.5577	
480 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
480 minute winter	S12	1.002	S14	1.5	0.097	0.013	0.2071	
480 minute winter	S13	8.000	S14	0.0	-0.029	0.000	0.3118	
480 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
480 minute winter	S14	1.003	S15	1.8	0.096	0.030	0.7386	
480 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
480 minute winter	S15	1.004	S16	2.6	0.124	0.049	1.1098	
480 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
480 minute winter	S16	1.005	S17	2.6	0.132	0.027	0.3802	
480 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
480 minute winter	S17	1.006	S18	3.1	0.122	0.030	0.3651	
480 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
480 minute winter	S18	1.007	S19	3.6	0.114	0.057	1.0504	
480 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
480 minute winter	S19	1.008	S20	3.6	0.078	0.077	2.0782	
480 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
480 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
480 minute winter	S1	30.000	S2	-0.1	-0.027	-0.003	1.8143	
480 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
480 minute winter	S2	18.000	S6	-1.6	0.242	-0.867	0.0783	
480 minute winter	S2	32.000	S3	3.4	0.096	0.054	2.7576	



Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S6	280	0.497	0.127	2.6	0.1367	0.0000	OK
480 minute winter	S9	280	0.498	0.058	1.1	0.0631	0.0000	OK
480 minute winter	S5	280	0.498	0.128	3.7	0.1387	0.0000	OK
480 minute winter	S7	280	0.496	0.136	5.0	0.1473	0.0000	OK
480 minute winter	S8	280	0.495	0.145	5.1	0.1571	0.0000	OK
480 minute winter	S20	280	0.494	0.154	11.3	0.4526	0.0000	OK
480 minute winter	S21	272	0.464	0.134	11.7	0.1779	0.0000	OK
480 minute winter	S22	264	0.451	0.121	0.2	0.1731	0.0000	OK
480 minute winter	S23	264	0.451	0.131	19.0	0.5852	0.0000	OK
480 minute winter	S24	264	0.423	0.113	21.2	0.2291	0.0000	OK
480 minute winter	Pond In 2	640	0.222	0.217	21.2	0.0000	0.0000	OK
480 minute winter	Pond Out	560	0.215	0.215	27.5	0.0000	0.0000	OK
480 minute winter	Control MH	512	0.232	0.382	31.1	0.6742	0.0000	SURCHARGED
480 minute winter	Outfall 1	576	-0.645	0.045	6.9	0.0000	0.0000	OK
480 minute winter	PP1	280	0.880	0.050	1.4	3.2677	0.0000	OK
480 minute winter	PP2	312	1.009	0.059	5.4	25.9404	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	S6	17.001	S7	2.6	0.118	0.056	1.6901	
480 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
480 minute winter	S9	16.000	S5	1.0	0.051	0.004	0.2350	
480 minute winter	S9	5.000	S12	-0.5	-0.058	-0.006	0.7801	
480 minute winter	S9	2.000	S10	-0.6	-0.080	-0.007	0.2173	
480 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
480 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
480 minute winter	S5	15.001	S7	3.7	0.094	0.088	2.1741	
480 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
480 minute winter	S7	15.002	S8	5.1	0.163	0.072	0.8291	
480 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
480 minute winter	S8	15.003	S20	5.2	0.150	0.094	1.4849	
480 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
480 minute winter	S20	1.009	S21	11.3	0.262	0.400	5.1560	
480 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
480 minute winter	S21	1.010	S23	11.8	0.321	0.210	1.2174	
480 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
480 minute winter	S22	25.000	S23	-0.2	-0.057	-0.008	3.6558	
480 minute winter	S23	1.011	S24	19.0	0.551	0.213	0.4399	
480 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
480 minute winter	S24	1.012	Pond In 2	21.2	0.750	0.165	0.1761	
480 minute winter	Pond In 2	Flow through pond	Pond Out	18.1	0.015	0.002	281.7018	
480 minute winter	Pond Out	34.000	Control MH	31.1	0.668	0.217	0.5602	
480 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2316	225.2
480 minute winter	PP1	1.000	S11	1.2	0.384	0.434	0.0994	
480 minute winter	PP2	15.000	S5	3.0	0.639	0.640	0.1795	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

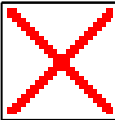
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	PP3	312	0.884	0.084	4.1	19.8747	0.0000	OK
480 minute winter	PP4	440	1.013	0.075	15.4	134.7183	0.0000	OK
480 minute winter	PP5	328	0.997	0.059	6.7	39.9292	0.0000	OK

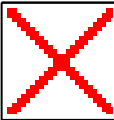
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	PP3	17.000	S6	2.2	0.401	0.906	0.2550	
480 minute winter	PP4	28.000	S2	2.7	0.510	0.804	0.3466	
480 minute winter	PP5	31.000	S3	3.0	0.648	0.643	0.1807	



Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S3	345	0.485	0.135	5.8	0.1458	0.0000	OK
600 minute summer	S4	345	0.444	0.124	6.8	0.2199	0.0000	OK
600 minute summer	Pond In 1	630	0.192	0.187	6.8	0.0000	0.0000	OK
600 minute summer	S10	330	0.496	0.066	0.6	0.0710	0.0000	OK
600 minute summer	S11	330	0.496	0.076	1.2	0.0819	0.0000	OK
600 minute summer	S12	330	0.496	0.086	1.2	0.1224	0.0000	OK
600 minute summer	S13	330	0.496	0.086	0.0	0.0924	0.0000	OK
600 minute summer	S14	330	0.496	0.096	1.6	0.1322	0.0000	OK
600 minute summer	S15	330	0.495	0.105	2.4	0.1699	0.0000	OK
600 minute summer	S16	330	0.494	0.114	2.4	0.1231	0.0000	OK
600 minute summer	S17	330	0.494	0.124	2.9	0.1672	0.0000	OK
600 minute summer	S18	330	0.493	0.133	3.5	0.1799	0.0000	OK
600 minute summer	S19	330	0.493	0.143	3.5	0.1540	0.0000	OK
600 minute summer	S1	345	0.488	0.098	0.2	0.1056	0.0000	OK
600 minute summer	S2	345	0.488	0.108	3.5	0.1164	0.0000	OK

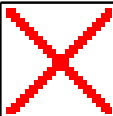
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S3	28.002	S4	5.8	0.156	0.207	1.6031	
600 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
600 minute summer	S4	28.003	Pond In 1	6.8	0.305	0.171	0.3258	
600 minute summer	Pond In 1	Flow through pond	Pond Out	17.6	0.013	0.002	246.2159	
600 minute summer	S10	2.001	S11	-0.6	-0.053	-0.004	0.0796	
600 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
600 minute summer	S11	1.001	S12	0.8	0.090	0.013	0.5303	
600 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
600 minute summer	S12	1.002	S14	1.3	0.092	0.012	0.1981	
600 minute summer	S13	8.000	S14	0.0	-0.017	-0.001	0.2983	
600 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
600 minute summer	S14	1.003	S15	1.6	0.089	0.027	0.7104	
600 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
600 minute summer	S15	1.004	S16	2.4	0.121	0.046	1.0723	
600 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
600 minute summer	S16	1.005	S17	2.5	0.122	0.026	0.3687	
600 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
600 minute summer	S17	1.006	S18	2.9	0.114	0.028	0.3549	
600 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
600 minute summer	S18	1.007	S19	3.5	0.113	0.056	1.0230	
600 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
600 minute summer	S19	1.008	S20	3.5	0.078	0.075	2.0264	
600 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
600 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
600 minute summer	S1	30.000	S2	-0.2	-0.020	-0.004	1.7084	
600 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
600 minute summer	S2	18.000	S6	-1.7	0.235	-0.926	0.0783	
600 minute summer	S2	32.000	S3	3.3	0.098	0.052	2.6195	



Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S6	330	0.493	0.123	2.3	0.1332	0.0000	OK
600 minute summer	S9	330	0.495	0.055	1.2	0.0597	0.0000	OK
600 minute summer	S5	330	0.495	0.125	3.6	0.1354	0.0000	OK
600 minute summer	S7	330	0.493	0.133	4.6	0.1439	0.0000	OK
600 minute summer	S8	330	0.492	0.142	4.7	0.1539	0.0000	OK
600 minute summer	S20	330	0.492	0.152	10.8	0.4446	0.0000	OK
600 minute summer	S21	330	0.463	0.133	11.2	0.1760	0.0000	OK
600 minute summer	S22	315	0.450	0.120	0.3	0.1719	0.0000	OK
600 minute summer	S23	315	0.450	0.130	19.0	0.5815	0.0000	OK
600 minute summer	S24	315	0.422	0.112	21.2	0.2286	0.0000	OK
600 minute summer	Pond In 2	600	0.192	0.187	21.1	0.0000	0.0000	OK
600 minute summer	Pond Out	630	0.189	0.189	36.2	0.0000	0.0000	OK
600 minute summer	Control MH	600	0.204	0.354	27.9	0.6264	0.0000	SURCHARGED
600 minute summer	Outfall	615	-0.645	0.045	6.9	0.0000	0.0000	OK
600 minute summer	1							
600 minute summer	PP1	330	0.880	0.050	1.6	3.2371	0.0000	OK
600 minute summer	PP2	360	1.006	0.056	5.8	23.2969	0.0000	OK

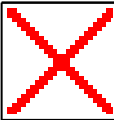
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S6	17.001	S7	2.3	0.115	0.049	1.6336	
600 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
600 minute summer	S9	16.000	S5	1.0	0.051	0.004	0.2247	
600 minute summer	S9	5.000	S12	-0.5	-0.057	-0.007	0.7356	
600 minute summer	S9	2.000	S10	-0.6	-0.079	-0.008	0.2025	
600 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
600 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
600 minute summer	S5	15.001	S7	3.5	0.094	0.085	2.1033	
600 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
600 minute summer	S7	15.002	S8	4.7	0.151	0.066	0.8043	
600 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
600 minute summer	S8	15.003	S20	4.8	0.138	0.087	1.4460	
600 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
600 minute summer	S20	1.009	S21	10.7	0.256	0.380	5.0625	
600 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
600 minute summer	S21	1.010	S23	11.3	0.315	0.201	1.2013	
600 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
600 minute summer	S22	25.000	S23	-0.3	-0.045	-0.010	3.6210	
600 minute summer	S23	1.011	S24	18.7	0.548	0.209	0.4372	
600 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
600 minute summer	S24	1.012	Pond In 2	21.1	0.749	0.164	0.1756	
600 minute summer	Pond In 2	Flow through pond	Pond Out	17.6	0.013	0.002	246.2159	
600 minute summer	Pond Out	34.000	Control MH	27.9	0.614	0.194	0.5274	
600 minute summer	Control MH	34.001	Outfall	6.9	1.027	0.049	0.2312	250.7
600 minute summer	PP1	1.000	S11	1.2	0.383	0.430	0.0987	
600 minute summer	PP2	15.000	S5	2.7	0.625	0.590	0.1691	



Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	PP3	360	0.880	0.080	4.4	17.7233	0.0000	OK
600 minute summer	PP4	450	1.007	0.069	16.6	118.8578	0.0000	OK
600 minute summer	PP5	375	0.993	0.055	7.2	35.6723	0.0000	OK

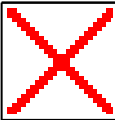
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	PP3	17.000	S6	2.0	0.393	0.836	0.2417	
600 minute summer	PP4	28.000	S2	2.4	0.500	0.721	0.3181	
600 minute summer	PP5	31.000	S3	2.7	0.629	0.576	0.1668	



Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S3	375	0.485	0.135	5.8	0.1453	0.0000	OK
600 minute winter	S4	360	0.443	0.123	6.7	0.2177	0.0000	OK
600 minute winter	Pond In 1	630	0.219	0.214	6.7	0.0000	0.0000	OK
600 minute winter	S10	345	0.491	0.061	0.5	0.0658	0.0000	OK
600 minute winter	S11	345	0.491	0.071	1.0	0.0767	0.0000	OK
600 minute winter	S12	345	0.491	0.081	1.2	0.1154	0.0000	OK
600 minute winter	S13	345	0.491	0.081	0.0	0.0871	0.0000	OK
600 minute winter	S14	345	0.491	0.091	1.6	0.1253	0.0000	OK
600 minute winter	S15	345	0.490	0.100	2.3	0.1617	0.0000	OK
600 minute winter	S16	345	0.489	0.109	2.3	0.1176	0.0000	OK
600 minute winter	S17	345	0.489	0.119	2.7	0.1603	0.0000	OK
600 minute winter	S18	345	0.488	0.128	3.2	0.1730	0.0000	OK
600 minute winter	S19	345	0.487	0.137	3.2	0.1485	0.0000	OK
600 minute winter	S1	375	0.487	0.097	0.1	0.1047	0.0000	OK
600 minute winter	S2	375	0.487	0.107	3.2	0.1155	0.0000	OK

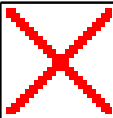
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S3	28.002	S4	5.8	0.156	0.206	1.5861	
600 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
600 minute winter	S4	28.003	Pond In 1	6.7	0.302	0.166	0.3207	
600 minute winter	Pond In 1	Flow through pond	Pond Out	15.7	0.014	0.002	284.8941	
600 minute winter	S10	2.001	S11	-0.5	-0.045	-0.003	0.0718	
600 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
600 minute winter	S11	1.001	S12	0.7	0.086	0.011	0.4845	
600 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
600 minute winter	S12	1.002	S14	1.3	0.092	0.012	0.1828	
600 minute winter	S13	8.000	S14	0.0	-0.025	0.000	0.2752	
600 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
600 minute winter	S14	1.003	S15	1.6	0.093	0.026	0.6603	
600 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
600 minute winter	S15	1.004	S16	2.3	0.124	0.043	1.0018	
600 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
600 minute winter	S16	1.005	S17	2.3	0.132	0.024	0.3462	
600 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
600 minute winter	S17	1.006	S18	2.7	0.119	0.026	0.3351	
600 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
600 minute winter	S18	1.007	S19	3.2	0.112	0.051	0.9703	
600 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
600 minute winter	S19	1.008	S20	3.2	0.075	0.069	1.9301	
600 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
600 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
600 minute winter	S1	30.000	S2	-0.1	-0.023	-0.002	1.6893	
600 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
600 minute winter	S2	18.000	S6	-1.3	0.245	-0.687	0.0783	
600 minute winter	S2	32.000	S3	3.1	0.093	0.049	2.6010	



Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S6	360	0.489	0.119	2.5	0.1285	0.0000	OK
600 minute winter	S9	345	0.491	0.051	0.8	0.0547	0.0000	OK
600 minute winter	S5	345	0.491	0.121	3.2	0.1303	0.0000	OK
600 minute winter	S7	360	0.489	0.129	4.7	0.1391	0.0000	OK
600 minute winter	S8	345	0.488	0.138	4.8	0.1487	0.0000	OK
600 minute winter	S20	345	0.486	0.146	10.2	0.4298	0.0000	OK
600 minute winter	S21	345	0.456	0.126	10.6	0.1674	0.0000	OK
600 minute winter	S22	330	0.442	0.112	0.2	0.1609	0.0000	OK
600 minute winter	S23	330	0.442	0.122	16.7	0.5473	0.0000	OK
600 minute winter	S24	330	0.415	0.105	18.4	0.2132	0.0000	OK
600 minute winter	Pond In 2	615	0.224	0.219	18.4	0.0000	0.0000	OK
600 minute winter	Pond Out	645	0.217	0.217	25.3	0.0000	0.0000	OK
600 minute winter	Control MH	675	0.235	0.385	34.2	0.6798	0.0000	SURCHARGED
600 minute winter	Outfall 1	630	-0.645	0.045	6.9	0.0000	0.0000	OK
600 minute winter	PP1	345	0.876	0.046	1.2	2.7363	0.0000	OK
600 minute winter	PP2	390	1.006	0.056	4.4	23.5544	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	S6	17.001	S7	2.5	0.118	0.054	1.5551	
600 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
600 minute winter	S9	16.000	S5	0.8	0.043	0.003	0.2092	
600 minute winter	S9	5.000	S12	-0.4	-0.048	-0.005	0.6650	
600 minute winter	S9	2.000	S10	-0.5	-0.069	-0.006	0.1796	
600 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
600 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
600 minute winter	S5	15.001	S7	3.2	0.091	0.077	1.9986	
600 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
600 minute winter	S7	15.002	S8	4.8	0.159	0.067	0.7664	
600 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
600 minute winter	S8	15.003	S20	4.9	0.146	0.088	1.3793	
600 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
600 minute winter	S20	1.009	S21	10.2	0.254	0.359	4.7815	
600 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
600 minute winter	S21	1.010	S23	10.6	0.313	0.189	1.1133	
600 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
600 minute winter	S22	25.000	S23	-0.2	-0.049	-0.006	3.3147	
600 minute winter	S23	1.011	S24	16.6	0.531	0.186	0.3992	
600 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
600 minute winter	S24	1.012	Pond In 2	18.4	0.723	0.143	0.1586	
600 minute winter	Pond In 2	Flow through pond	Pond Out	15.7	0.014	0.002	284.8941	
600 minute winter	Pond Out	34.000	Control MH	34.2	0.638	0.238	0.5630	
600 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2316	258.9
600 minute winter	PP1	1.000	S11	1.0	0.367	0.369	0.0884	
600 minute winter	PP2	15.000	S5	2.8	0.626	0.595	0.1702	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

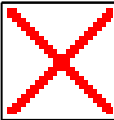
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	PP3	390	0.880	0.080	3.4	17.9688	0.0000	OK
600 minute winter	PP4	480	1.012	0.074	12.7	133.6432	0.0000	OK
600 minute winter	PP5	405	0.995	0.057	5.5	37.5014	0.0000	OK

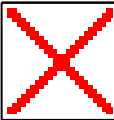
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	PP3	17.000	S6	2.0	0.394	0.844	0.2433	
600 minute winter	PP4	28.000	S2	2.7	0.509	0.798	0.3447	
600 minute winter	PP5	31.000	S3	2.9	0.637	0.604	0.1728	



Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S3	420	0.481	0.131	5.5	0.1415	0.0000	OK
720 minute summer	S4	405	0.441	0.121	6.3	0.2135	0.0000	OK
720 minute summer	Pond In 1	720	0.189	0.184	6.4	0.0000	0.0000	OK
720 minute summer	S10	390	0.489	0.059	0.5	0.0641	0.0000	OK
720 minute summer	S11	390	0.490	0.070	1.1	0.0751	0.0000	OK
720 minute summer	S12	390	0.489	0.079	1.2	0.1132	0.0000	OK
720 minute summer	S13	390	0.489	0.079	0.0	0.0855	0.0000	OK
720 minute summer	S14	390	0.489	0.089	1.5	0.1233	0.0000	OK
720 minute summer	S15	390	0.489	0.099	2.2	0.1594	0.0000	OK
720 minute summer	S16	390	0.487	0.107	2.2	0.1161	0.0000	OK
720 minute summer	S17	390	0.487	0.117	2.7	0.1584	0.0000	OK
720 minute summer	S18	390	0.487	0.127	3.1	0.1711	0.0000	OK
720 minute summer	S19	390	0.486	0.136	3.1	0.1470	0.0000	OK
720 minute summer	S1	405	0.484	0.094	0.1	0.1010	0.0000	OK
720 minute summer	S2	405	0.484	0.104	3.2	0.1118	0.0000	OK

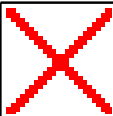
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S3	28.002	S4	5.5	0.152	0.195	1.5360	
720 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
720 minute summer	S4	28.003	Pond In 1	6.4	0.297	0.158	0.3111	
720 minute summer	Pond In 1	Flow through pond	Pond Out	15.1	0.013	0.002	241.3619	
720 minute summer	S10	2.001	S11	-0.5	-0.048	-0.004	0.0694	
720 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
720 minute summer	S11	1.001	S12	0.7	0.086	0.011	0.4703	
720 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
720 minute summer	S12	1.002	S14	1.2	0.094	0.011	0.1782	
720 minute summer	S13	8.000	S14	0.0	-0.017	0.000	0.2683	
720 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
720 minute summer	S14	1.003	S15	1.5	0.091	0.025	0.6460	
720 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
720 minute summer	S15	1.004	S16	2.2	0.113	0.043	0.9831	
720 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
720 minute summer	S16	1.005	S17	2.3	0.122	0.024	0.3404	
720 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
720 minute summer	S17	1.006	S18	2.6	0.114	0.026	0.3299	
720 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
720 minute summer	S18	1.007	S19	3.1	0.116	0.049	0.9568	
720 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
720 minute summer	S19	1.008	S20	3.1	0.079	0.067	1.9054	
720 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
720 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
720 minute summer	S1	30.000	S2	-0.1	-0.017	-0.003	1.6098	
720 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
720 minute summer	S2	18.000	S6	-1.5	0.235	-0.791	0.0783	
720 minute summer	S2	32.000	S3	3.0	0.095	0.048	2.4965	



Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S6	405	0.487	0.117	2.3	0.1265	0.0000	OK
720 minute summer	S9	390	0.489	0.049	1.0	0.0529	0.0000	OK
720 minute summer	S5	390	0.489	0.119	3.2	0.1285	0.0000	OK
720 minute summer	S7	390	0.487	0.127	4.4	0.1371	0.0000	OK
720 minute summer	S8	390	0.486	0.136	4.5	0.1470	0.0000	OK
720 minute summer	S20	390	0.485	0.145	9.9	0.4259	0.0000	OK
720 minute summer	S21	390	0.456	0.126	10.3	0.1676	0.0000	OK
720 minute summer	S22	375	0.444	0.114	0.2	0.1626	0.0000	OK
720 minute summer	S23	375	0.444	0.124	17.1	0.5527	0.0000	OK
720 minute summer	S24	375	0.417	0.107	19.1	0.2167	0.0000	OK
720 minute summer	Pond In 2	720	0.190	0.186	19.0	0.0000	0.0000	OK
720 minute summer	Pond Out	735	0.186	0.186	16.7	0.0000	0.0000	OK
720 minute summer	Control MH	420	0.207	0.357	27.7	0.6300	0.0000	SURCHARGED
720 minute summer	Outfall	735	-0.645	0.045	6.8	0.0000	0.0000	OK
720 minute summer	1							
720 minute summer	PP1	390	0.877	0.047	1.4	2.8370	0.0000	OK
720 minute summer	PP2	435	1.004	0.054	5.1	21.7178	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	S6	17.001	S7	2.3	0.114	0.048	1.5225	
720 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
720 minute summer	S9	16.000	S5	0.9	0.047	0.003	0.2037	
720 minute summer	S9	5.000	S12	-0.5	-0.052	-0.006	0.6419	
720 minute summer	S9	2.000	S10	-0.5	-0.073	-0.006	0.1720	
720 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
720 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
720 minute summer	S5	15.001	S7	3.2	0.091	0.076	1.9603	
720 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
720 minute summer	S7	15.002	S8	4.5	0.144	0.063	0.7535	
720 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
720 minute summer	S8	15.003	S20	4.6	0.131	0.082	1.3604	
720 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
720 minute summer	S20	1.009	S21	9.9	0.250	0.349	4.7533	
720 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
720 minute summer	S21	1.010	S23	10.4	0.307	0.184	1.1227	
720 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
720 minute summer	S22	25.000	S23	-0.2	-0.038	-0.008	3.3623	
720 minute summer	S23	1.011	S24	16.9	0.532	0.189	0.4063	
720 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
720 minute summer	S24	1.012	Pond In 2	19.0	0.730	0.148	0.1623	
720 minute summer	Pond In 2	Flow through pond	Pond Out	15.1	0.013	0.002	241.3619	
720 minute summer	Pond Out	34.000	Control MH	27.7	0.631	0.193	0.5228	
720 minute summer	Control MH	34.001	Outfall	6.8	1.027	0.049	0.2310	283.7
720 minute summer	PP1	1.000	S11	1.1	0.371	0.381	0.0905	
720 minute summer	PP2	15.000	S5	2.6	0.616	0.558	0.1624	



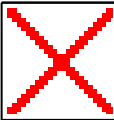
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Network: Holbeach
Terry Stafford
10/01/2024

Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	PP3	435	0.877	0.077	3.9	16.6355	0.0000	OK
720 minute summer	PP4	525	1.006	0.068	14.6	117.8679	0.0000	OK
720 minute summer	PP5	435	0.992	0.054	6.3	34.0758	0.0000	OK

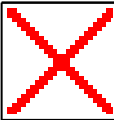
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	PP3	17.000	S6	1.9	0.389	0.799	0.2344	
720 minute summer	PP4	28.000	S2	2.4	0.499	0.715	0.3163	
720 minute summer	PP5	31.000	S3	2.6	0.621	0.550	0.1614	



Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S3	435	0.480	0.130	5.4	0.1407	0.0000	OK
720 minute winter	S4	420	0.440	0.120	6.2	0.2118	0.0000	OK
720 minute winter	Pond In 1	735	0.219	0.214	6.2	0.0000	0.0000	OK
720 minute winter	S10	420	0.485	0.055	0.4	0.0597	0.0000	OK
720 minute winter	S11	420	0.485	0.065	0.9	0.0706	0.0000	OK
720 minute winter	S12	420	0.485	0.075	1.2	0.1072	0.0000	OK
720 minute winter	S13	420	0.485	0.075	0.0	0.0808	0.0000	OK
720 minute winter	S14	420	0.485	0.085	1.5	0.1173	0.0000	OK
720 minute winter	S15	420	0.484	0.094	2.1	0.1521	0.0000	OK
720 minute winter	S16	420	0.483	0.103	2.2	0.1111	0.0000	OK
720 minute winter	S17	420	0.482	0.112	2.5	0.1521	0.0000	OK
720 minute winter	S18	420	0.482	0.122	2.9	0.1648	0.0000	OK
720 minute winter	S19	420	0.481	0.131	2.9	0.1420	0.0000	OK
720 minute winter	S1	435	0.483	0.093	0.1	0.1001	0.0000	OK
720 minute winter	S2	435	0.483	0.103	2.9	0.1109	0.0000	OK

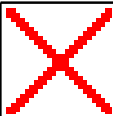
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S3	28.002	S4	5.4	0.152	0.192	1.5230	
720 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
720 minute winter	S4	28.003	Pond In 1	6.2	0.295	0.155	0.3072	
720 minute winter	Pond In 1	Flow through pond	Pond Out	15.8	0.014	0.002	285.3568	
720 minute winter	S10	2.001	S11	-0.4	-0.041	-0.003	0.0631	
720 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
720 minute winter	S11	1.001	S12	0.6	0.086	0.011	0.4328	
720 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
720 minute winter	S12	1.002	S14	1.2	0.092	0.011	0.1654	
720 minute winter	S13	8.000	S14	0.0	-0.025	0.000	0.2488	
720 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
720 minute winter	S14	1.003	S15	1.5	0.093	0.024	0.6030	
720 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
720 minute winter	S15	1.004	S16	2.2	0.124	0.041	0.9215	
720 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
720 minute winter	S16	1.005	S17	2.2	0.126	0.023	0.3206	
720 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
720 minute winter	S17	1.006	S18	2.5	0.110	0.024	0.3123	
720 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
720 minute winter	S18	1.007	S19	2.9	0.101	0.045	0.9098	
720 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
720 minute winter	S19	1.008	S20	2.9	0.071	0.061	1.8189	
720 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
720 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
720 minute winter	S1	30.000	S2	-0.1	-0.022	-0.002	1.5899	
720 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
720 minute winter	S2	18.000	S6	1.2	0.245	0.646	0.0783	
720 minute winter	S2	32.000	S3	2.8	0.090	0.045	2.4735	



Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S6	420	0.483	0.113	2.4	0.1225	0.0000	OK
720 minute winter	S9	420	0.485	0.045	0.7	0.0486	0.0000	OK
720 minute winter	S5	420	0.485	0.115	2.9	0.1242	0.0000	OK
720 minute winter	S7	420	0.483	0.123	4.5	0.1330	0.0000	OK
720 minute winter	S8	420	0.482	0.132	4.6	0.1425	0.0000	OK
720 minute winter	S20	420	0.481	0.141	9.4	0.4124	0.0000	OK
720 minute winter	S21	405	0.450	0.120	9.7	0.1595	0.0000	OK
720 minute winter	S22	390	0.437	0.107	0.2	0.1529	0.0000	OK
720 minute winter	S23	390	0.437	0.117	15.1	0.5221	0.0000	OK
720 minute winter	S24	390	0.410	0.100	16.7	0.2031	0.0000	OK
720 minute winter	Pond In 2	750	0.220	0.215	16.7	0.0000	0.0000	OK
720 minute winter	Pond Out	735	0.218	0.218	34.7	0.0000	0.0000	OK
720 minute winter	Control MH	780	0.231	0.381	24.4	0.6741	0.0000	SURCHARGED
720 minute winter	Outfall 1	750	-0.645	0.045	6.9	0.0000	0.0000	OK
720 minute winter	PP1	405	0.873	0.043	1.0	2.4309	0.0000	OK
720 minute winter	PP2	450	1.004	0.054	3.8	21.7257	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	S6	17.001	S7	2.4	0.118	0.052	1.4578	
720 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
720 minute winter	S9	16.000	S5	0.6	0.040	0.002	0.1912	
720 minute winter	S9	5.000	S12	0.3	-0.050	0.004	0.5851	
720 minute winter	S9	2.000	S10	-0.4	-0.072	-0.005	0.1539	
720 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
720 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
720 minute winter	S5	15.001	S7	2.9	0.088	0.069	1.8738	
720 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
720 minute winter	S7	15.002	S8	4.6	0.153	0.064	0.7217	
720 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
720 minute winter	S8	15.003	S20	4.6	0.140	0.083	1.3018	
720 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
720 minute winter	S20	1.009	S21	9.4	0.248	0.331	4.4891	
720 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
720 minute winter	S21	1.010	S23	9.7	0.305	0.172	1.0418	
720 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
720 minute winter	S22	25.000	S23	-0.2	-0.041	-0.005	3.0920	
720 minute winter	S23	1.011	S24	15.1	0.515	0.169	0.3730	
720 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
720 minute winter	S24	1.012	Pond In 2	16.7	0.702	0.130	0.1477	
720 minute winter	Pond In 2	Flow through pond	Pond Out	15.8	0.014	0.002	285.3568	
720 minute winter	Pond Out	34.000	Control MH	24.4	0.501	0.170	0.5633	
720 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2316	295.0
720 minute winter	PP1	1.000	S11	0.9	0.356	0.330	0.0817	
720 minute winter	PP2	15.000	S5	2.6	0.616	0.558	0.1625	



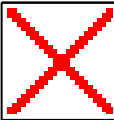
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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

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Network: Holbeach
Terry Stafford
10/01/2024

Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	PP3	450	0.876	0.076	2.9	16.4039	0.0000	OK
720 minute winter	PP4	555	1.012	0.074	11.0	132.2600	0.0000	OK
720 minute winter	PP5	465	0.993	0.055	4.8	35.4454	0.0000	OK

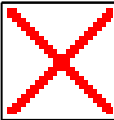
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	PP3	17.000	S6	1.9	0.388	0.791	0.2327	
720 minute winter	PP4	28.000	S2	2.6	0.509	0.791	0.3422	
720 minute winter	PP5	31.000	S3	2.7	0.628	0.572	0.1660	



Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S3	540	0.475	0.125	4.9	0.1348	0.0000	OK
960 minute summer	S4	525	0.436	0.116	5.7	0.2042	0.0000	OK
960 minute summer	Pond In 1	885	0.179	0.174	5.7	0.0000	0.0000	OK
960 minute summer	S10	525	0.481	0.051	0.4	0.0555	0.0000	OK
960 minute summer	S11	525	0.482	0.062	0.9	0.0664	0.0000	OK
960 minute summer	S12	525	0.481	0.071	1.0	0.1016	0.0000	OK
960 minute summer	S13	525	0.481	0.071	0.0	0.0766	0.0000	OK
960 minute summer	S14	525	0.481	0.081	1.3	0.1119	0.0000	OK
960 minute summer	S15	525	0.480	0.090	2.0	0.1459	0.0000	OK
960 minute summer	S16	525	0.479	0.099	1.9	0.1069	0.0000	OK
960 minute summer	S17	525	0.479	0.109	2.3	0.1469	0.0000	OK
960 minute summer	S18	525	0.478	0.118	2.7	0.1596	0.0000	OK
960 minute summer	S19	525	0.478	0.128	2.7	0.1378	0.0000	OK
960 minute summer	S1	540	0.477	0.087	0.1	0.0944	0.0000	OK
960 minute summer	S2	540	0.477	0.097	2.8	0.1052	0.0000	OK

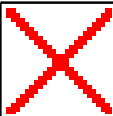
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S3	28.002	S4	4.9	0.146	0.176	1.4388	
960 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
960 minute summer	S4	28.003	Pond In 1	5.7	0.285	0.142	0.2904	
960 minute summer	Pond In 1	Flow through pond	Pond Out	14.6	0.011	0.002	228.1552	
960 minute summer	S10	2.001	S11	-0.4	-0.044	-0.003	0.0572	
960 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
960 minute summer	S11	1.001	S12	0.6	0.085	0.010	0.3985	
960 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
960 minute summer	S12	1.002	S14	1.0	0.096	0.010	0.1539	
960 minute summer	S13	8.000	S14	0.0	-0.016	0.000	0.2315	
960 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
960 minute summer	S14	1.003	S15	1.4	0.090	0.022	0.5660	
960 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
960 minute summer	S15	1.004	S16	1.9	0.116	0.037	0.8703	
960 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
960 minute summer	S16	1.005	S17	1.9	0.131	0.020	0.3043	
960 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
960 minute summer	S17	1.006	S18	2.3	0.110	0.023	0.2979	
960 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
960 minute summer	S18	1.007	S19	2.7	0.082	0.043	0.8711	
960 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
960 minute summer	S19	1.008	S20	2.7	0.071	0.059	1.7469	
960 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
960 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
960 minute summer	S1	30.000	S2	-0.1	-0.012	-0.002	1.4680	
960 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
960 minute summer	S2	18.000	S6	-1.1	0.231	-0.607	0.0780	
960 minute summer	S2	32.000	S3	2.7	0.091	0.043	2.3149	



Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S6	525	0.479	0.109	2.1	0.1180	0.0000	OK
960 minute summer	S9	525	0.481	0.041	0.7	0.0443	0.0000	OK
960 minute summer	S5	525	0.481	0.111	2.8	0.1199	0.0000	OK
960 minute summer	S7	525	0.479	0.119	4.1	0.1285	0.0000	OK
960 minute summer	S8	525	0.478	0.128	4.2	0.1382	0.0000	OK
960 minute summer	S20	525	0.477	0.137	8.7	0.4010	0.0000	OK
960 minute summer	S21	510	0.448	0.118	9.1	0.1559	0.0000	OK
960 minute summer	S22	510	0.435	0.105	0.2	0.1497	0.0000	OK
960 minute summer	S23	510	0.435	0.115	14.5	0.5124	0.0000	OK
960 minute summer	S24	510	0.408	0.098	16.1	0.1996	0.0000	OK
960 minute summer	Pond In 2	900	0.184	0.179	16.1	0.0000	0.0000	OK
960 minute summer	Pond Out	855	0.176	0.176	27.3	0.0000	0.0000	OK
960 minute summer	Control MH	615	0.193	0.343	28.4	0.6058	0.0000	SURCHARGED
960 minute summer	Outfall	870	-0.645	0.045	6.8	0.0000	0.0000	OK
960 minute summer	1							
960 minute summer	PP1	510	0.873	0.043	1.1	2.3999	0.0000	OK
960 minute summer	PP2	555	1.001	0.051	4.1	19.3623	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	S6	17.001	S7	2.2	0.113	0.046	1.3853	
960 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
960 minute summer	S9	16.000	S5	0.6	0.042	0.002	0.1787	
960 minute summer	S9	5.000	S12	-0.3	-0.048	-0.004	0.5309	
960 minute summer	S9	2.000	S10	-0.4	-0.068	-0.005	0.1363	
960 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
960 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
960 minute summer	S5	15.001	S7	2.8	0.088	0.067	1.7842	
960 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
960 minute summer	S7	15.002	S8	4.2	0.141	0.058	0.6895	
960 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
960 minute summer	S8	15.003	S20	4.2	0.128	0.075	1.2493	
960 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
960 minute summer	S20	1.009	S21	8.8	0.240	0.310	4.3199	
960 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
960 minute summer	S21	1.010	S23	9.1	0.297	0.162	1.0127	
960 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
960 minute summer	S22	25.000	S23	-0.2	-0.034	-0.005	3.0077	
960 minute summer	S23	1.011	S24	14.5	0.507	0.162	0.3636	
960 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
960 minute summer	S24	1.012	Pond In 2	16.1	0.695	0.125	0.1440	
960 minute summer	Pond In 2	Flow through pond	Pond Out	14.6	0.011	0.002	228.1552	
960 minute summer	Pond Out	34.000	Control MH	28.4	0.690	0.198	0.5099	
960 minute summer	Control MH	34.001	Outfall	6.8	1.026	0.049	0.2307	349.0
960 minute summer	PP1	1.000	S11	0.9	0.355	0.326	0.0810	
960 minute summer	PP2	15.000	S5	2.4	0.600	0.509	0.1519	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

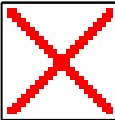
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Network: Holbeach
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Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	PP3	555	0.872	0.072	3.1	14.5534	0.0000	OK
960 minute summer	PP4	660	1.005	0.067	11.6	115.2622	0.0000	OK
960 minute summer	PP5	570	0.989	0.051	5.0	31.0729	0.0000	OK

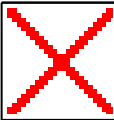
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	PP3	17.000	S6	1.8	0.380	0.724	0.2185	
960 minute summer	PP4	28.000	S2	2.3	0.497	0.701	0.3113	
960 minute summer	PP5	31.000	S3	2.4	0.606	0.502	0.1512	



Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S3	570	0.472	0.122	4.7	0.1321	0.0000	OK
960 minute winter	S4	555	0.433	0.113	5.4	0.1999	0.0000	OK
960 minute winter	Pond In 1	930	0.208	0.203	5.4	0.0000	0.0000	OK
960 minute winter	S10	555	0.476	0.046	0.3	0.0497	0.0000	OK
960 minute winter	S11	555	0.476	0.056	0.8	0.0606	0.0000	OK
960 minute winter	S12	555	0.476	0.066	1.0	0.0939	0.0000	OK
960 minute winter	S13	555	0.475	0.065	0.0	0.0707	0.0000	OK
960 minute winter	S14	555	0.475	0.075	1.2	0.1044	0.0000	OK
960 minute winter	S15	555	0.475	0.085	1.8	0.1368	0.0000	OK
960 minute winter	S16	555	0.473	0.093	1.8	0.1007	0.0000	OK
960 minute winter	S17	555	0.473	0.103	2.1	0.1391	0.0000	OK
960 minute winter	S18	555	0.473	0.113	2.4	0.1519	0.0000	OK
960 minute winter	S19	555	0.472	0.122	2.4	0.1317	0.0000	OK
960 minute winter	S1	570	0.475	0.085	0.1	0.0914	0.0000	OK
960 minute winter	S2	570	0.475	0.095	2.6	0.1022	0.0000	OK

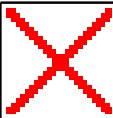
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S3	28.002	S4	4.7	0.144	0.168	1.3965	
960 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
960 minute winter	S4	28.003	Pond In 1	5.4	0.280	0.135	0.2812	
960 minute winter	Pond In 1	Flow through pond	Pond Out	14.0	0.012	0.002	269.2513	
960 minute winter	S10	2.001	S11	-0.3	-0.035	-0.002	0.0495	
960 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
960 minute winter	S11	1.001	S12	0.5	0.089	0.009	0.3524	
960 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
960 minute winter	S12	1.002	S14	1.0	0.093	0.009	0.1382	
960 minute winter	S13	8.000	S14	0.0	-0.032	0.000	0.2078	
960 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
960 minute winter	S14	1.003	S15	1.3	0.089	0.021	0.5141	
960 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
960 minute winter	S15	1.004	S16	1.8	0.113	0.034	0.7970	
960 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
960 minute winter	S16	1.005	S17	1.8	0.121	0.018	0.2808	
960 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
960 minute winter	S17	1.006	S18	2.1	0.111	0.020	0.2768	
960 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
960 minute winter	S18	1.007	S19	2.4	0.100	0.037	0.8150	
960 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
960 minute winter	S19	1.008	S20	2.4	0.066	0.051	1.6445	
960 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
960 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
960 minute winter	S1	30.000	S2	-0.1	-0.017	-0.001	1.4065	
960 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
960 minute winter	S2	18.000	S6	1.1	0.242	0.591	0.0775	
960 minute winter	S2	32.000	S3	2.4	0.089	0.039	2.2388	



Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S6	570	0.475	0.105	2.2	0.1130	0.0000	OK
960 minute winter	S9	555	0.476	0.036	0.5	0.0386	0.0000	OK
960 minute winter	S5	555	0.476	0.106	2.5	0.1142	0.0000	OK
960 minute winter	S7	570	0.474	0.114	4.1	0.1232	0.0000	OK
960 minute winter	S8	555	0.473	0.123	4.1	0.1325	0.0000	OK
960 minute winter	S20	555	0.471	0.131	8.1	0.3847	0.0000	OK
960 minute winter	S21	540	0.441	0.111	8.4	0.1473	0.0000	OK
960 minute winter	S22	525	0.427	0.097	0.1	0.1388	0.0000	OK
960 minute winter	S23	525	0.427	0.107	12.6	0.4781	0.0000	OK
960 minute winter	S24	510	0.402	0.092	13.8	0.1861	0.0000	OK
960 minute winter	Pond In 2	930	0.214	0.209	13.8	0.0000	0.0000	OK
960 minute winter	Pond Out	930	0.206	0.206	24.9	0.0000	0.0000	OK
960 minute winter	Control MH	945	0.224	0.374	31.6	0.6609	0.0000	SURCHARGED
960 minute winter	Outfall 1	915	-0.645	0.045	6.9	0.0000	0.0000	OK
960 minute winter	PP1	525	0.869	0.039	0.8	2.0014	0.0000	OK
960 minute winter	PP2	585	1.000	0.050	3.0	18.2162	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	S6	17.001	S7	2.2	0.117	0.048	1.3049	
960 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
960 minute winter	S9	16.000	S5	0.4	0.033	0.002	0.1628	
960 minute winter	S9	5.000	S12	0.3	0.040	0.003	0.4612	
960 minute winter	S9	2.000	S10	-0.3	-0.061	-0.003	0.1141	
960 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
960 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
960 minute winter	S5	15.001	S7	2.5	0.084	0.059	1.6730	
960 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
960 minute winter	S7	15.002	S8	4.1	0.142	0.057	0.6498	
960 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
960 minute winter	S8	15.003	S20	4.1	0.129	0.074	1.1787	
960 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
960 minute winter	S20	1.009	S21	8.1	0.238	0.286	4.0509	
960 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
960 minute winter	S21	1.010	S23	8.4	0.292	0.149	0.9261	
960 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
960 minute winter	S22	25.000	S23	-0.1	-0.035	-0.003	2.7136	
960 minute winter	S23	1.011	S24	12.5	0.486	0.141	0.3294	
960 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
960 minute winter	S24	1.012	Pond In 2	13.8	0.660	0.107	0.1301	
960 minute winter	Pond In 2	Flow through pond	Pond Out	14.0	0.012	0.002	269.2513	
960 minute winter	Pond Out	34.000	Control MH	31.6	0.651	0.220	0.5490	
960 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2315	364.8
960 minute winter	PP1	1.000	S11	0.8	0.338	0.273	0.0715	
960 minute winter	PP2	15.000	S5	2.2	0.592	0.484	0.1465	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

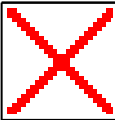
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	PP3	585	0.870	0.070	2.3	13.8219	0.0000	OK
960 minute winter	PP4	705	1.010	0.072	8.6	127.6556	0.0000	OK
960 minute winter	PP5	600	0.989	0.051	3.7	31.3389	0.0000	OK

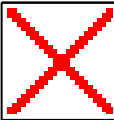
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	PP3	17.000	S6	1.7	0.376	0.695	0.2125	
960 minute winter	PP4	28.000	S2	2.6	0.506	0.767	0.3341	
960 minute winter	PP5	31.000	S3	2.4	0.607	0.507	0.1521	



Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 98.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S3	810	0.464	0.114	4.1	0.1233	0.0000	OK
1440 minute summer	S4	780	0.427	0.107	4.7	0.1885	0.0000	OK
1440 minute summer	Pond In 1	1140	0.158	0.154	4.7	0.0000	0.0000	OK
1440 minute summer	S10	780	0.469	0.039	0.2	0.0423	0.0000	OK
1440 minute summer	S11	780	0.469	0.049	0.7	0.0532	0.0000	OK
1440 minute summer	S12	780	0.469	0.059	0.8	0.0837	0.0000	OK
1440 minute summer	S13	780	0.468	0.058	0.0	0.0630	0.0000	OK
1440 minute summer	S14	780	0.468	0.068	1.0	0.0946	0.0000	OK
1440 minute summer	S15	780	0.468	0.078	1.6	0.1253	0.0000	OK
1440 minute summer	S16	780	0.466	0.086	1.5	0.0930	0.0000	OK
1440 minute summer	S17	780	0.466	0.096	1.8	0.1295	0.0000	OK
1440 minute summer	S18	780	0.466	0.106	2.1	0.1423	0.0000	OK
1440 minute summer	S19	780	0.465	0.115	2.1	0.1241	0.0000	OK
1440 minute summer	S1	780	0.467	0.077	0.1	0.0828	0.0000	OK
1440 minute summer	S2	780	0.467	0.087	2.2	0.0936	0.0000	OK

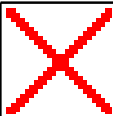
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S3	28.002	S4	4.1	0.137	0.145	1.2771	
1440 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
1440 minute summer	S4	28.003	Pond In 1	4.7	0.265	0.117	0.2575	
1440 minute summer	Pond In 1	Flow through pond	Pond Out	12.5	0.009	0.002	200.5670	
1440 minute summer	S10	2.001	S11	-0.2	-0.036	-0.002	0.0399	
1440 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
1440 minute summer	S11	1.001	S12	0.5	0.087	0.008	0.2944	
1440 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
1440 minute summer	S12	1.002	S14	0.8	0.090	0.008	0.1184	
1440 minute summer	S13	8.000	S14	0.0	-0.005	0.000	0.1780	
1440 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
1440 minute summer	S14	1.003	S15	1.0	0.087	0.017	0.4493	
1440 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
1440 minute summer	S15	1.004	S16	1.5	0.108	0.029	0.7069	
1440 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
1440 minute summer	S16	1.005	S17	1.5	0.119	0.016	0.2522	
1440 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
1440 minute summer	S17	1.006	S18	1.8	0.107	0.017	0.2514	
1440 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
1440 minute summer	S18	1.007	S19	2.1	0.074	0.033	0.7465	
1440 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
1440 minute summer	S19	1.008	S20	2.1	0.062	0.045	1.5175	
1440 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
1440 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
1440 minute summer	S1	30.000	S2	-0.1	-0.006	-0.001	1.2305	
1440 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
1440 minute summer	S2	18.000	S6	0.9	0.216	0.513	0.0749	
1440 minute summer	S2	32.000	S3	2.2	0.091	0.035	2.0063	



Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 98.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S6	780	0.467	0.097	1.9	0.1048	0.0000	OK
1440 minute summer	S9	780	0.469	0.029	0.4	0.0309	0.0000	OK
1440 minute summer	S5	780	0.469	0.099	2.2	0.1065	0.0000	OK
1440 minute summer	S7	780	0.467	0.107	3.5	0.1152	0.0000	OK
1440 minute summer	S8	780	0.465	0.115	3.6	0.1247	0.0000	OK
1440 minute summer	S20	780	0.464	0.124	7.1	0.3640	0.0000	OK
1440 minute summer	S21	780	0.435	0.105	7.3	0.1387	0.0000	OK
1440 minute summer	S22	750	0.421	0.091	0.1	0.1306	0.0000	OK
1440 minute summer	S23	750	0.421	0.101	11.3	0.4526	0.0000	OK
1440 minute summer	S24	750	0.396	0.086	12.4	0.1759	0.0000	OK
1440 minute summer	Pond In 2	1140	0.161	0.156	12.4	0.0000	0.0000	OK
1440 minute summer	Pond Out	1110	0.155	0.155	22.2	0.0000	0.0000	OK
1440 minute summer	Control MH	1620	0.191	0.341	30.0	0.6017	0.0000	SURCHARGED
1440 minute summer	Outfall 1	1110	-0.645	0.045	6.8	0.0000	0.0000	OK
1440 minute summer	PP1	750	0.867	0.037	0.8	1.8036	0.0000	OK
1440 minute summer	PP2	810	0.996	0.046	2.8	15.3424	0.0000	OK

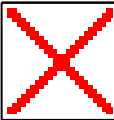
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S6	17.001	S7	1.9	0.107	0.041	1.1800	
1440 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
1440 minute summer	S9	16.000	S5	0.4	0.034	0.001	0.1420	
1440 minute summer	S9	5.000	S12	-0.2	-0.038	-0.003	0.3722	
1440 minute summer	S9	2.000	S10	-0.2	-0.058	-0.003	0.0861	
1440 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
1440 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
1440 minute summer	S5	15.001	S7	2.2	0.082	0.052	1.5182	
1440 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
1440 minute summer	S7	15.002	S8	3.6	0.137	0.050	0.5942	
1440 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
1440 minute summer	S8	15.003	S20	3.6	0.123	0.065	1.0872	
1440 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
1440 minute summer	S20	1.009	S21	7.1	0.225	0.252	3.7380	
1440 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
1440 minute summer	S21	1.010	S23	7.3	0.279	0.131	0.8491	
1440 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
1440 minute summer	S22	25.000	S23	-0.1	-0.026	-0.003	2.5000	
1440 minute summer	S23	1.011	S24	11.2	0.468	0.125	0.3043	
1440 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
1440 minute summer	S24	1.012	Pond In 2	12.4	0.643	0.096	0.1195	
1440 minute summer	Pond In 2	Flow through pond	Pond Out	12.5	0.009	0.002	200.5670	
1440 minute summer	Pond Out	34.000	Control MH	30.0	0.604	0.209	0.4824	
1440 minute summer	Control MH	34.001	Outfall	6.8	1.024	0.049	0.2301	469.1
1440 minute summer	PP1	1.000	S11	0.7	0.328	0.247	0.0665	
1440 minute summer	PP2	15.000	S5	1.9	0.568	0.418	0.1318	



Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 98.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	PP3	810	0.865	0.065	2.1	11.7221	0.0000	OK
1440 minute summer	PP4	930	1.003	0.065	8.0	108.8174	0.0000	OK
1440 minute summer	PP5	840	0.984	0.046	3.5	26.4297	0.0000	OK

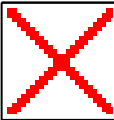
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	PP3	17.000	S6	1.5	0.363	0.610	0.1937	
1440 minute summer	PP4	28.000	S2	2.2	0.491	0.664	0.2988	
1440 minute summer	PP5	31.000	S3	2.0	0.580	0.429	0.1349	



Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S3	870	0.460	0.110	3.8	0.1193	0.0000	OK
1440 minute winter	S4	840	0.423	0.103	4.3	0.1820	0.0000	OK
1440 minute winter	Pond In 1	1170	0.180	0.176	4.3	0.0000	0.0000	OK
1440 minute winter	S10	810	0.463	0.033	0.2	0.0361	0.0000	OK
1440 minute winter	S11	810	0.463	0.043	0.6	0.0469	0.0000	OK
1440 minute winter	S12	780	0.463	0.053	0.7	0.0754	0.0000	OK
1440 minute winter	S13	780	0.462	0.052	0.0	0.0567	0.0000	OK
1440 minute winter	S14	780	0.462	0.062	0.9	0.0864	0.0000	OK
1440 minute winter	S15	780	0.462	0.072	1.4	0.1156	0.0000	OK
1440 minute winter	S16	810	0.460	0.080	1.4	0.0863	0.0000	OK
1440 minute winter	S17	810	0.460	0.090	1.6	0.1211	0.0000	OK
1440 minute winter	S18	810	0.459	0.099	1.8	0.1340	0.0000	OK
1440 minute winter	S19	810	0.459	0.109	1.8	0.1175	0.0000	OK
1440 minute winter	S1	870	0.463	0.073	0.0	0.0785	0.0000	OK
1440 minute winter	S2	870	0.463	0.083	2.4	0.0893	0.0000	OK

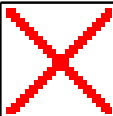
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S3	28.002	S4	3.8	0.134	0.136	1.2164	
1440 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
1440 minute winter	S4	28.003	Pond In 1	4.3	0.257	0.107	0.2447	
1440 minute winter	Pond In 1	Flow through pond	Pond Out	10.8	0.010	0.001	230.0512	
1440 minute winter	S10	2.001	S11	-0.2	-0.027	-0.001	0.0326	
1440 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
1440 minute winter	S11	1.001	S12	0.4	0.087	0.007	0.2494	
1440 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
1440 minute winter	S12	1.002	S14	0.7	0.090	0.007	0.1029	
1440 minute winter	S13	8.000	S14	0.0	-0.005	0.000	0.1546	
1440 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
1440 minute winter	S14	1.003	S15	0.9	0.088	0.015	0.3974	
1440 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
1440 minute winter	S15	1.004	S16	1.4	0.108	0.027	0.6310	
1440 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
1440 minute winter	S16	1.005	S17	1.4	0.116	0.015	0.2278	
1440 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
1440 minute winter	S17	1.006	S18	1.6	0.095	0.015	0.2295	
1440 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
1440 minute winter	S18	1.007	S19	1.8	0.071	0.028	0.6880	
1440 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
1440 minute winter	S19	1.008	S20	1.8	0.059	0.038	1.4106	
1440 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
1440 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
1440 minute winter	S1	30.000	S2	0.0	-0.010	-0.001	1.1451	
1440 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
1440 minute winter	S2	18.000	S6	1.0	0.228	0.552	0.0724	
1440 minute winter	S2	32.000	S3	1.9	0.092	0.030	1.9002	



Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S6	840	0.462	0.092	1.9	0.0997	0.0000	OK
1440 minute winter	S9	810	0.463	0.023	0.3	0.0248	0.0000	OK
1440 minute winter	S5	810	0.463	0.093	1.9	0.1004	0.0000	OK
1440 minute winter	S7	810	0.461	0.101	3.5	0.1094	0.0000	OK
1440 minute winter	S8	810	0.460	0.110	3.5	0.1186	0.0000	OK
1440 minute winter	S20	810	0.458	0.118	6.4	0.3466	0.0000	OK
1440 minute winter	S21	780	0.429	0.099	6.6	0.1308	0.0000	OK
1440 minute winter	S22	780	0.414	0.084	0.1	0.1208	0.0000	OK
1440 minute winter	S23	780	0.414	0.094	9.7	0.4219	0.0000	OK
1440 minute winter	S24	780	0.390	0.080	10.6	0.1630	0.0000	OK
1440 minute winter	Pond In 2	1200	0.186	0.181	10.6	0.0000	0.0000	OK
1440 minute winter	Pond Out	1170	0.177	0.177	18.0	0.0000	0.0000	OK
1440 minute winter	Control MH	1140	0.177	0.327	30.8	0.5786	0.0000	SURCHARGED
1440 minute winter	Outfall	1170	-0.645	0.045	6.8	0.0000	0.0000	OK
1440 minute winter	1							
1440 minute winter	PP1	750	0.863	0.033	0.6	1.4551	0.0000	OK
1440 minute winter	PP2	840	0.993	0.043	2.1	13.9313	0.0000	OK

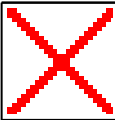
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S6	17.001	S7	1.9	0.112	0.041	1.0971	
1440 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
1440 minute winter	S9	16.000	S5	0.2	0.024	0.001	0.1267	
1440 minute winter	S9	5.000	S12	0.2	0.036	0.002	0.3062	
1440 minute winter	S9	2.000	S10	-0.1	-0.052	-0.002	0.0659	
1440 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
1440 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
1440 minute winter	S5	15.001	S7	1.9	0.077	0.046	1.4042	
1440 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
1440 minute winter	S7	15.002	S8	3.5	0.135	0.049	0.5529	
1440 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
1440 minute winter	S8	15.003	S20	3.5	0.121	0.063	1.0137	
1440 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
1440 minute winter	S20	1.009	S21	6.4	0.221	0.227	3.4655	
1440 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
1440 minute winter	S21	1.010	S23	6.6	0.273	0.118	0.7790	
1440 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
1440 minute winter	S22	25.000	S23	-0.1	-0.028	-0.002	2.2502	
1440 minute winter	S23	1.011	S24	9.7	0.448	0.108	0.2741	
1440 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
1440 minute winter	S24	1.012	Pond In 2	10.6	0.616	0.082	0.1064	
1440 minute winter	Pond In 2	Flow through pond	Pond Out	10.8	0.010	0.001	230.0512	
1440 minute winter	Pond Out	34.000	Control MH	30.8	0.705	0.214	0.5118	
1440 minute winter	Control MH	34.001	Outfall	6.8	1.026	0.049	0.2307	494.9
1440 minute winter	PP1	1.000	S11	0.6	0.308	0.198	0.0569	
1440 minute winter	PP2	15.000	S5	1.8	0.555	0.384	0.1239	



Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.63%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	PP3	840	0.860	0.060	1.6	10.3045	0.0000	OK
1440 minute winter	PP4	1020	1.006	0.068	6.1	118.7180	0.0000	OK
1440 minute winter	PP5	870	0.983	0.045	2.6	25.5124	0.0000	OK

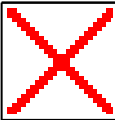
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	PP3	17.000	S6	1.3	0.353	0.548	0.1794	
1440 minute winter	PP4	28.000	S2	2.4	0.500	0.720	0.3178	
1440 minute winter	PP5	31.000	S3	2.0	0.574	0.415	0.1317	



Results for 30 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S3	1560	0.447	0.097	2.9	0.1050	0.0000	OK
2880 minute summer	S4	1560	0.411	0.091	3.2	0.1616	0.0000	OK
2880 minute summer	Pond In 1	1860	0.111	0.106	3.2	0.0000	0.0000	OK
2880 minute summer	S10	1560	0.452	0.022	0.1	0.0233	0.0000	OK
2880 minute summer	S11	1560	0.452	0.032	0.4	0.0342	0.0000	OK
2880 minute summer	S12	1560	0.450	0.040	0.5	0.0578	0.0000	OK
2880 minute summer	S13	1560	0.450	0.040	0.0	0.0433	0.0000	OK
2880 minute summer	S14	1560	0.450	0.050	0.7	0.0692	0.0000	OK
2880 minute summer	S15	1560	0.449	0.059	1.0	0.0952	0.0000	OK
2880 minute summer	S16	1560	0.447	0.067	1.0	0.0726	0.0000	OK
2880 minute summer	S17	1560	0.447	0.077	1.2	0.1039	0.0000	OK
2880 minute summer	S18	1560	0.447	0.087	1.4	0.1168	0.0000	OK
2880 minute summer	S19	1560	0.446	0.096	1.4	0.1037	0.0000	OK
2880 minute summer	S1	1560	0.450	0.060	0.0	0.0646	0.0000	OK
2880 minute summer	S2	1560	0.450	0.070	1.9	0.0754	0.0000	OK

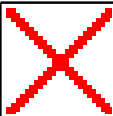
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S3	28.002	S4	2.9	0.121	0.103	1.0215	
2880 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
2880 minute summer	S4	28.003	Pond In 1	3.2	0.231	0.080	0.2048	
2880 minute summer	Pond In 1	Flow through pond	Pond Out	8.9	0.007	0.001	139.2814	
2880 minute summer	S10	2.001	S11	-0.1	-0.019	0.000	0.0189	
2880 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
2880 minute summer	S11	1.001	S12	0.3	0.086	0.005	0.1627	
2880 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
2880 minute summer	S12	1.002	S14	0.5	0.091	0.004	0.0720	
2880 minute summer	S13	8.000	S14	0.0	0.003	0.000	0.1079	
2880 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
2880 minute summer	S14	1.003	S15	0.7	0.087	0.011	0.2934	
2880 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
2880 minute summer	S15	1.004	S16	1.0	0.104	0.019	0.4842	
2880 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
2880 minute summer	S16	1.005	S17	1.0	0.096	0.010	0.1802	
2880 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
2880 minute summer	S17	1.006	S18	1.2	0.071	0.012	0.1866	
2880 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
2880 minute summer	S18	1.007	S19	1.4	0.068	0.022	0.5715	
2880 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
2880 minute summer	S19	1.008	S20	1.4	0.056	0.030	1.1917	
2880 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
2880 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
2880 minute summer	S1	30.000	S2	0.0	-0.003	-0.001	0.8788	
2880 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
2880 minute summer	S2	18.000	S6	0.8	0.194	0.426	0.0626	
2880 minute summer	S2	32.000	S3	1.5	0.084	0.024	1.5445	



Results for 30 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S6	1560	0.450	0.080	1.4	0.0860	0.0000	OK
2880 minute summer	S9	1560	0.450	0.010	0.1	0.0112	0.0000	OK
2880 minute summer	S5	1560	0.450	0.080	1.4	0.0867	0.0000	OK
2880 minute summer	S7	1560	0.449	0.089	2.7	0.0957	0.0000	OK
2880 minute summer	S8	1560	0.447	0.097	2.7	0.1049	0.0000	OK
2880 minute summer	S20	1560	0.445	0.105	5.0	0.3092	0.0000	OK
2880 minute summer	S21	1500	0.417	0.087	5.1	0.1153	0.0000	OK
2880 minute summer	S22	1500	0.403	0.073	0.0	0.1051	0.0000	OK
2880 minute summer	S23	1500	0.403	0.083	7.4	0.3731	0.0000	OK
2880 minute summer	S24	1500	0.381	0.071	8.1	0.1443	0.0000	OK
2880 minute summer	Pond In 2	1920	0.112	0.107	8.1	0.0000	0.0000	OK
2880 minute summer	Pond Out	1860	0.110	0.110	22.6	0.0000	0.0000	OK
2880 minute summer	Control MH	1920	0.174	0.324	30.3	0.5730	0.0000	SURCHARGED
2880 minute summer	Outfall	1800	-0.645	0.045	6.7	0.0000	0.0000	OK
2880 minute summer	1							
2880 minute summer	PP1	1500	0.858	0.028	0.4	1.0232	0.0000	OK
2880 minute summer	PP2	1560	0.986	0.036	1.5	9.8754	0.0000	OK

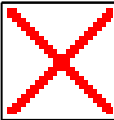
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S6	17.001	S7	1.5	0.102	0.031	0.8971	
2880 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
2880 minute summer	S9	16.000	S5	0.1	0.017	0.000	0.0951	
2880 minute summer	S9	5.000	S12	-0.1	-0.022	-0.001	0.1796	
2880 minute summer	S9	2.000	S10	-0.1	-0.045	-0.001	0.0286	
2880 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
2880 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
2880 minute summer	S5	15.001	S7	1.4	0.069	0.033	1.1491	
2880 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
2880 minute summer	S7	15.002	S8	2.7	0.126	0.038	0.4604	
2880 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
2880 minute summer	S8	15.003	S20	2.7	0.110	0.049	0.8569	
2880 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
2880 minute summer	S20	1.009	S21	5.0	0.202	0.176	2.9203	
2880 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
2880 minute summer	S21	1.010	S23	5.1	0.249	0.091	0.6518	
2880 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
2880 minute summer	S22	25.000	S23	0.0	-0.012	-0.001	1.8654	
2880 minute summer	S23	1.011	S24	7.4	0.409	0.083	0.2298	
2880 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
2880 minute summer	S24	1.012	Pond In 2	8.1	0.566	0.063	0.0889	
2880 minute summer	Pond In 2	Flow through pond	Pond Out	8.9	0.007	0.001	139.2814	
2880 minute summer	Pond Out	34.000	Control MH	30.3	0.618	0.211	0.4200	
2880 minute summer	Control MH	34.001	Outfall	6.7	1.021	0.048	0.2285	641.1
2880 minute summer	PP1	1.000	S11	0.4	0.277	0.137	0.0439	
2880 minute summer	PP2	15.000	S5	1.3	0.508	0.281	0.0989	



Results for 30 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 98.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	PP3	1560	0.852	0.052	1.2	7.6330	0.0000	OK
2880 minute summer	PP4	1740	0.996	0.058	4.4	91.6243	0.0000	OK
2880 minute summer	PP5	1620	0.976	0.038	1.9	18.1295	0.0000	OK

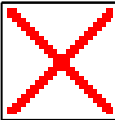
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	PP3	17.000	S6	1.0	0.328	0.421	0.1488	
2880 minute summer	PP4	28.000	S2	1.9	0.473	0.564	0.2641	
2880 minute summer	PP5	31.000	S3	1.4	0.528	0.303	0.1044	



Results for 30 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 98.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S3	1680	0.442	0.092	2.6	0.0990	0.0000	OK
2880 minute winter	S4	1680	0.408	0.088	2.9	0.1548	0.0000	OK
2880 minute winter	Pond In 1	1980	0.108	0.103	2.9	0.0000	0.0000	OK
2880 minute winter	S10	1560	0.445	0.015	0.0	0.0166	0.0000	OK
2880 minute winter	S11	1560	0.445	0.025	0.3	0.0274	0.0000	OK
2880 minute winter	S12	1560	0.442	0.032	0.4	0.0463	0.0000	OK
2880 minute winter	S13	1560	0.442	0.032	0.0	0.0344	0.0000	OK
2880 minute winter	S14	1560	0.442	0.042	0.5	0.0579	0.0000	OK
2880 minute winter	S15	1560	0.441	0.051	0.8	0.0819	0.0000	OK
2880 minute winter	S16	1560	0.439	0.059	0.8	0.0634	0.0000	OK
2880 minute winter	S17	1560	0.438	0.068	0.9	0.0924	0.0000	OK
2880 minute winter	S18	1560	0.438	0.078	1.0	0.1054	0.0000	OK
2880 minute winter	S19	1560	0.438	0.088	1.0	0.0947	0.0000	OK
2880 minute winter	S1	1680	0.444	0.054	0.0	0.0585	0.0000	OK
2880 minute winter	S2	1680	0.444	0.064	2.0	0.0693	0.0000	OK

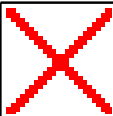
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S3	28.002	S4	2.6	0.116	0.091	0.9490	
2880 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
2880 minute winter	S4	28.003	Pond In 1	2.9	0.222	0.071	0.1906	
2880 minute winter	Pond In 1	Flow through pond	Pond Out	8.7	0.006	0.001	135.3322	
2880 minute winter	S10	2.001	S11	0.0	-0.010	0.000	0.0127	
2880 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
2880 minute winter	S11	1.001	S12	0.3	0.084	0.005	0.1174	
2880 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
2880 minute winter	S12	1.002	S14	0.4	0.090	0.004	0.0540	
2880 minute winter	S13	8.000	S14	0.0	0.004	0.000	0.0805	
2880 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
2880 minute winter	S14	1.003	S15	0.5	0.086	0.008	0.2310	
2880 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
2880 minute winter	S15	1.004	S16	0.8	0.102	0.015	0.3931	
2880 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
2880 minute winter	S16	1.005	S17	0.8	0.096	0.008	0.1500	
2880 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
2880 minute winter	S17	1.006	S18	0.9	0.070	0.008	0.1591	
2880 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
2880 minute winter	S18	1.007	S19	1.0	0.061	0.015	0.4974	
2880 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
2880 minute winter	S19	1.008	S20	1.0	0.048	0.021	1.0550	
2880 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
2880 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
2880 minute winter	S1	30.000	S2	0.0	-0.004	0.000	0.7710	
2880 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
2880 minute winter	S2	18.000	S6	0.8	0.195	0.422	0.0571	
2880 minute winter	S2	32.000	S3	1.3	0.085	0.021	1.4003	



Results for 30 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 98.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S6	1620	0.443	0.073	1.4	0.0787	0.0000	OK
2880 minute winter	S9	1560	0.443	0.003	0.0	0.0032	0.0000	OK
2880 minute winter	S5	1620	0.443	0.073	1.1	0.0786	0.0000	OK
2880 minute winter	S7	1620	0.441	0.081	2.5	0.0876	0.0000	OK
2880 minute winter	S8	1620	0.439	0.089	2.5	0.0964	0.0000	OK
2880 minute winter	S20	1560	0.437	0.097	4.2	0.2853	0.0000	OK
2880 minute winter	S21	1560	0.410	0.080	4.3	0.1056	0.0000	OK
2880 minute winter	S22	1560	0.395	0.065	0.0	0.0936	0.0000	OK
2880 minute winter	S23	1560	0.395	0.075	6.0	0.3371	0.0000	OK
2880 minute winter	S24	1560	0.374	0.064	6.5	0.1294	0.0000	OK
2880 minute winter	Pond In 2	2040	0.108	0.103	6.5	0.0000	0.0000	OK
2880 minute winter	Pond Out	1980	0.107	0.107	21.0	0.0000	0.0000	OK
2880 minute winter	Control MH	2100	0.193	0.343	21.8	0.6068	0.0000	SURCHARGED
2880 minute winter	Outfall	1980	-0.645	0.045	6.7	0.0000	0.0000	OK
2880 minute winter	1							
2880 minute winter	PP1	1680	0.854	0.024	0.3	0.8095	0.0000	OK
2880 minute winter	PP2	1560	0.984	0.034	1.2	8.3920	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S6	17.001	S7	1.4	0.100	0.030	0.7904	
2880 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
2880 minute winter	S9	16.000	S5	0.0	0.003	0.000	0.0797	
2880 minute winter	S9	5.000	S12	0.0	0.003	0.000	0.1191	
2880 minute winter	S9	2.000	S10	0.0	-0.033	0.000	0.0141	
2880 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
2880 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
2880 minute winter	S5	15.001	S7	1.1	0.063	0.027	1.0054	
2880 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
2880 minute winter	S7	15.002	S8	2.5	0.123	0.035	0.4070	
2880 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
2880 minute winter	S8	15.003	S20	2.5	0.106	0.045	0.7617	
2880 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
2880 minute winter	S20	1.009	S21	4.2	0.190	0.147	2.5942	
2880 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
2880 minute winter	S21	1.010	S23	4.3	0.237	0.076	0.5685	
2880 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
2880 minute winter	S22	25.000	S23	0.0	-0.013	0.001	1.5958	
2880 minute winter	S23	1.011	S24	6.0	0.385	0.067	0.1975	
2880 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
2880 minute winter	S24	1.012	Pond In 2	6.5	0.536	0.050	0.0751	
2880 minute winter	Pond In 2	Flow through pond	Pond Out	8.7	0.006	0.001	135.3322	
2880 minute winter	Pond Out	34.000	Control MH	21.8	0.601	0.151	0.4168	
2880 minute winter	Control MH	34.001	Outfall	6.7	1.021	0.048	0.2280	739.6
2880 minute winter	PP1	1.000	S11	0.3	0.256	0.107	0.0369	
2880 minute winter	PP2	15.000	S5	1.1	0.487	0.241	0.0884	



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13 Gostwick
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Peterborough PE2 5XF

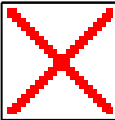
File: 9078 Holbeach Drove Gate - SW 10-01
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Results for 30 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 98.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	PP3	1560	0.846	0.046	0.9	6.1153	0.0000	OK
2880 minute winter	PP4	1860	0.997	0.059	3.3	94.7474	0.0000	OK
2880 minute winter	PP5	1620	0.974	0.036	1.5	16.3503	0.0000	OK

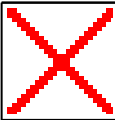
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	PP3	17.000	S6	0.8	0.309	0.342	0.1285	
2880 minute winter	PP4	28.000	S2	1.9	0.477	0.583	0.2705	
2880 minute winter	PP5	31.000	S3	1.3	0.514	0.275	0.0974	



Results for 30 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S3	3060	0.431	0.081	2.0	0.0871	0.0000	OK
5760 minute summer	S4	3060	0.398	0.078	2.2	0.1387	0.0000	OK
5760 minute summer	Pond In 1	3180	0.061	0.056	2.2	0.0000	0.0000	OK
5760 minute summer	S10	3060	0.439	0.009	0.0	0.0102	0.0000	OK
5760 minute summer	S11	3060	0.439	0.019	0.2	0.0210	0.0000	OK
5760 minute summer	S12	3060	0.434	0.024	0.3	0.0348	0.0000	OK
5760 minute summer	S13	3060	0.433	0.023	0.0	0.0252	0.0000	OK
5760 minute summer	S14	3060	0.433	0.033	0.4	0.0461	0.0000	OK
5760 minute summer	S15	3060	0.431	0.041	0.6	0.0668	0.0000	OK
5760 minute summer	S16	3060	0.429	0.049	0.6	0.0526	0.0000	OK
5760 minute summer	S17	3060	0.428	0.058	0.7	0.0788	0.0000	OK
5760 minute summer	S18	3060	0.428	0.068	0.8	0.0918	0.0000	OK
5760 minute summer	S19	3060	0.428	0.078	0.8	0.0838	0.0000	OK
5760 minute summer	S1	3060	0.434	0.044	0.0	0.0470	0.0000	OK
5760 minute summer	S2	3060	0.434	0.054	1.5	0.0578	0.0000	OK

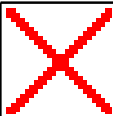
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S3	28.002	S4	2.0	0.104	0.069	0.7996	
5760 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
5760 minute summer	S4	28.003	Pond In 1	2.2	0.200	0.054	0.1595	
5760 minute summer	Pond In 1	Flow through pond	Pond Out	6.9	0.006	0.001	64.6834	
5760 minute summer	S10	2.001	S11	0.0	0.004	0.000	0.0076	
5760 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
5760 minute summer	S11	1.001	S12	0.2	0.085	0.003	0.0770	
5760 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
5760 minute summer	S12	1.002	S14	0.3	0.093	0.003	0.0373	
5760 minute summer	S13	8.000	S14	0.0	0.005	0.000	0.0548	
5760 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
5760 minute summer	S14	1.003	S15	0.4	0.088	0.007	0.1685	
5760 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
5760 minute summer	S15	1.004	S16	0.6	0.106	0.012	0.2951	
5760 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
5760 minute summer	S16	1.005	S17	0.6	0.093	0.006	0.1167	
5760 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
5760 minute summer	S17	1.006	S18	0.7	0.065	0.007	0.1284	
5760 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
5760 minute summer	S18	1.007	S19	0.8	0.058	0.013	0.4122	
5760 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
5760 minute summer	S19	1.008	S20	0.8	0.047	0.017	0.8929	
5760 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
5760 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
5760 minute summer	S1	30.000	S2	0.0	-0.002	0.000	0.5779	
5760 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
5760 minute summer	S2	18.000	S6	0.6	0.180	0.320	0.0471	
5760 minute summer	S2	32.000	S3	1.0	0.080	0.016	1.1316	



Results for 30 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S6	3060	0.432	0.062	1.0	0.0675	0.0000	OK
5760 minute summer	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	S5	3060	0.432	0.062	0.8	0.0672	0.0000	OK
5760 minute summer	S7	3060	0.431	0.071	1.8	0.0763	0.0000	OK
5760 minute summer	S8	3060	0.429	0.079	1.8	0.0852	0.0000	OK
5760 minute summer	S20	3060	0.427	0.087	3.2	0.2555	0.0000	OK
5760 minute summer	S21	3000	0.401	0.071	3.3	0.0938	0.0000	OK
5760 minute summer	S22	2940	0.387	0.057	0.0	0.0819	0.0000	OK
5760 minute summer	S23	2940	0.387	0.067	4.6	0.3004	0.0000	OK
5760 minute summer	S24	2940	0.367	0.057	5.0	0.1152	0.0000	OK
5760 minute summer	Pond In 2	3120	0.063	0.058	5.0	0.0000	0.0000	OK
5760 minute summer	Pond Out	3240	0.053	0.053	6.9	0.0000	0.0000	OK
5760 minute summer	Control MH	3180	0.068	0.218	9.5	0.3857	0.0000	OK
5760 minute summer	Outfall	3180	-0.647	0.043	6.3	0.0000	0.0000	OK
5760 minute summer	1							
5760 minute summer	PP1	3240	0.850	0.020	0.2	0.5621	0.0000	OK
5760 minute summer	PP2	3000	0.979	0.029	0.9	6.1504	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S6	17.001	S7	1.1	0.095	0.022	0.6397	
5760 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
5760 minute summer	S9	16.000	S5	0.0	0.000	0.000	0.0629	
5760 minute summer	S9	5.000	S12	0.0	0.000	0.000	0.0757	
5760 minute summer	S9	2.000	S10	0.0	0.000	0.000	0.0059	
5760 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
5760 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
5760 minute summer	S5	15.001	S7	0.8	0.057	0.020	0.8120	
5760 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
5760 minute summer	S7	15.002	S8	1.8	0.114	0.026	0.3371	
5760 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
5760 minute summer	S8	15.003	S20	1.8	0.097	0.033	0.6447	
5760 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
5760 minute summer	S20	1.009	S21	3.2	0.173	0.114	2.2005	
5760 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
5760 minute summer	S21	1.010	S23	3.3	0.219	0.059	0.4795	
5760 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
5760 minute summer	S22	25.000	S23	0.0	-0.009	-0.001	1.3320	
5760 minute summer	S23	1.011	S24	4.6	0.353	0.052	0.1668	
5760 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
5760 minute summer	S24	1.012	Pond In 2	5.0	0.500	0.039	0.0627	
5760 minute summer	Pond In 2	Flow through pond	Pond Out	6.9	0.006	0.001	64.6834	
5760 minute summer	Pond Out	34.000	Control MH	9.5	0.365	0.066	0.2838	
5760 minute summer	Control MH	34.001	Outfall	6.3	1.004	0.046	0.2195	741.1
5760 minute summer	PP1	1.000	S11	0.2	0.227	0.071	0.0278	
5760 minute summer	PP2	15.000	S5	0.8	0.448	0.178	0.0711	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

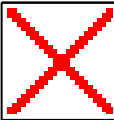
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Results for 30 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	PP3	3000	0.840	0.040	0.7	4.6538	0.0000	OK
5760 minute summer	PP4	3300	0.988	0.050	2.6	72.4379	0.0000	OK
5760 minute summer	PP5	3060	0.968	0.030	1.1	11.6892	0.0000	OK

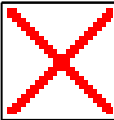
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	PP3	17.000	S6	0.6	0.286	0.262	0.1066	
5760 minute summer	PP4	28.000	S2	1.5	0.447	0.450	0.2232	
5760 minute summer	PP5	31.000	S3	0.9	0.471	0.199	0.0772	



Results for 30 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

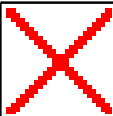
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S3	3180	0.425	0.075	1.7	0.0815	0.0000	OK
5760 minute winter	S4	3180	0.395	0.075	1.9	0.1322	0.0000	OK
5760 minute winter	Pond In 1	3180	0.053	0.048	1.9	0.0000	0.0000	OK
5760 minute winter	S10	3120	0.439	0.009	0.0	0.0096	0.0000	OK
5760 minute winter	S11	3120	0.439	0.019	0.2	0.0204	0.0000	OK
5760 minute winter	S12	3120	0.431	0.021	0.3	0.0305	0.0000	OK
5760 minute winter	S13	3120	0.430	0.020	0.0	0.0212	0.0000	OK
5760 minute winter	S14	3120	0.430	0.030	0.4	0.0410	0.0000	OK
5760 minute winter	S15	3120	0.426	0.036	0.5	0.0584	0.0000	OK
5760 minute winter	S16	3120	0.423	0.043	0.5	0.0463	0.0000	OK
5760 minute winter	S17	3120	0.422	0.052	0.6	0.0709	0.0000	OK
5760 minute winter	S18	3120	0.422	0.062	0.7	0.0839	0.0000	OK
5760 minute winter	S19	3120	0.422	0.072	0.7	0.0774	0.0000	OK
5760 minute winter	S1	3180	0.429	0.039	0.0	0.0419	0.0000	OK
5760 minute winter	S2	3180	0.429	0.049	1.4	0.0527	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S3	28.002	S4	1.7	0.099	0.060	0.7364	
5760 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
5760 minute winter	S4	28.003	Pond In 1	1.9	0.191	0.047	0.1482	
5760 minute winter	Pond In 1	Flow through pond	Pond Out	6.0	0.006	0.001	50.1955	
5760 minute winter	S10	2.001	S11	0.0	-0.016	0.000	0.0072	
5760 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
5760 minute winter	S11	1.001	S12	0.2	0.085	0.003	0.0673	
5760 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
5760 minute winter	S12	1.002	S14	0.3	0.091	0.003	0.0307	
5760 minute winter	S13	8.000	S14	0.0	-0.005	0.000	0.0440	
5760 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
5760 minute winter	S14	1.003	S15	0.4	0.086	0.007	0.1391	
5760 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
5760 minute winter	S15	1.004	S16	0.5	0.105	0.010	0.2441	
5760 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
5760 minute winter	S16	1.005	S17	0.5	0.096	0.005	0.0988	
5760 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
5760 minute winter	S17	1.006	S18	0.6	0.067	0.006	0.1116	
5760 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
5760 minute winter	S18	1.007	S19	0.7	0.059	0.011	0.3653	
5760 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
5760 minute winter	S19	1.008	S20	0.7	0.046	0.015	0.8027	
5760 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
5760 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
5760 minute winter	S1	30.000	S2	0.0	-0.001	0.000	0.4951	
5760 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
5760 minute winter	S2	18.000	S6	0.5	0.176	0.295	0.0420	
5760 minute winter	S2	32.000	S3	0.9	0.080	0.015	1.0127	



Results for 30 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S6	3120	0.427	0.057	1.0	0.0615	0.0000	OK
5760 minute winter	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	S5	3120	0.426	0.056	0.6	0.0605	0.0000	OK
5760 minute winter	S7	3120	0.425	0.065	1.6	0.0699	0.0000	OK
5760 minute winter	S8	3120	0.423	0.073	1.6	0.0788	0.0000	OK
5760 minute winter	S20	3120	0.421	0.081	2.7	0.2382	0.0000	OK
5760 minute winter	S21	3120	0.396	0.066	2.8	0.0871	0.0000	OK
5760 minute winter	S22	3120	0.382	0.052	0.0	0.0742	0.0000	OK
5760 minute winter	S23	3120	0.382	0.062	3.8	0.2763	0.0000	OK
5760 minute winter	S24	3120	0.362	0.052	4.1	0.1059	0.0000	OK
5760 minute winter	Pond In 2	3120	0.055	0.050	4.1	0.0000	0.0000	OK
5760 minute winter	Pond Out	3120	0.042	0.042	6.0	0.0000	0.0000	OK
5760 minute winter	Control MH	3180	0.031	0.181	6.0	0.3192	0.0000	OK
5760 minute winter	Outfall	3180	-0.648	0.042	6.0	0.0000	0.0000	OK
5760 minute winter	1							
5760 minute winter	PP1	3240	0.850	0.020	0.2	0.5621	0.0000	OK
5760 minute winter	PP2	2940	0.975	0.025	0.7	4.8239	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S6	17.001	S7	1.0	0.092	0.020	0.5614	
5760 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
5760 minute winter	S9	16.000	S5	0.0	0.000	0.000	0.0540	
5760 minute winter	S9	5.000	S12	0.0	0.000	0.000	0.0616	
5760 minute winter	S9	2.000	S10	0.0	0.000	0.000	0.0055	
5760 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
5760 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
5760 minute winter	S5	15.001	S7	0.6	0.055	0.016	0.7070	
5760 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
5760 minute winter	S7	15.002	S8	1.6	0.111	0.022	0.2993	
5760 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
5760 minute winter	S8	15.003	S20	1.6	0.093	0.028	0.5798	
5760 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
5760 minute winter	S20	1.009	S21	2.7	0.164	0.097	1.9864	
5760 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
5760 minute winter	S21	1.010	S23	2.8	0.209	0.051	0.4281	
5760 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
5760 minute winter	S22	25.000	S23	0.0	-0.010	0.000	1.1670	
5760 minute winter	S23	1.011	S24	3.8	0.332	0.043	0.1475	
5760 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
5760 minute winter	S24	1.012	Pond In 2	4.1	0.468	0.032	0.0552	
5760 minute winter	Pond In 2	Flow through pond	Pond Out	6.0	0.006	0.001	50.1955	
5760 minute winter	Pond Out	34.000	Control MH	6.0	0.259	0.042	0.2258	
5760 minute winter	Control MH	34.001	Outfall	6.0	0.987	0.043	0.2103	842.1
5760 minute winter	PP1	1.000	S11	0.2	0.227	0.071	0.0278	
5760 minute winter	PP2	15.000	S5	0.6	0.418	0.140	0.0598	



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13 Gostwick
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Peterborough PE2 5XF

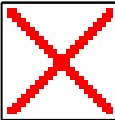
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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Results for 30 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	PP3	3180	0.836	0.036	0.5	3.6799	0.0000	OK
5760 minute winter	PP4	3420	0.987	0.049	1.9	68.6981	0.0000	OK
5760 minute winter	PP5	3120	0.966	0.028	0.8	9.6688	0.0000	OK

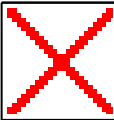
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	PP3	17.000	S6	0.5	0.266	0.206	0.0904	
5760 minute winter	PP4	28.000	S2	1.4	0.441	0.428	0.2150	
5760 minute winter	PP5	31.000	S3	0.8	0.447	0.166	0.0676	



Results for 30 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S3	4500	0.423	0.073	1.6	0.0788	0.0000	OK
8640 minute summer	S4	4500	0.393	0.073	1.8	0.1290	0.0000	OK
8640 minute summer	Pond In 1	4500	0.051	0.046	1.8	0.0000	0.0000	OK
8640 minute summer	S10	4500	0.439	0.009	0.0	0.0096	0.0000	OK
8640 minute summer	S11	4500	0.439	0.019	0.2	0.0204	0.0000	OK
8640 minute summer	S12	4380	0.432	0.022	0.3	0.0310	0.0000	OK
8640 minute summer	S13	4380	0.430	0.020	0.0	0.0217	0.0000	OK
8640 minute summer	S14	4380	0.430	0.030	0.4	0.0416	0.0000	OK
8640 minute summer	S15	4380	0.427	0.037	0.6	0.0596	0.0000	OK
8640 minute summer	S16	4380	0.422	0.042	0.6	0.0456	0.0000	OK
8640 minute summer	S17	4380	0.422	0.052	0.7	0.0697	0.0000	OK
8640 minute summer	S18	4380	0.421	0.061	0.8	0.0826	0.0000	OK
8640 minute summer	S19	4440	0.421	0.071	0.8	0.0763	0.0000	OK
8640 minute summer	S1	4500	0.426	0.036	0.0	0.0391	0.0000	OK
8640 minute summer	S2	4500	0.426	0.046	1.3	0.0499	0.0000	OK

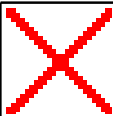
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S3	28.002	S4	1.6	0.097	0.056	0.7057	
8640 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
8640 minute summer	S4	28.003	Pond In 1	1.8	0.187	0.044	0.1427	
8640 minute summer	Pond In 1	Flow through pond	Pond Out	5.7	0.006	0.001	48.9968	
8640 minute summer	S10	2.001	S11	0.0	0.004	0.000	0.0072	
8640 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
8640 minute summer	S11	1.001	S12	0.2	0.084	0.003	0.0681	
8640 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
8640 minute summer	S12	1.002	S14	0.3	0.090	0.003	0.0314	
8640 minute summer	S13	8.000	S14	0.0	0.005	0.000	0.0452	
8640 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
8640 minute summer	S14	1.003	S15	0.4	0.085	0.007	0.1428	
8640 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
8640 minute summer	S15	1.004	S16	0.6	0.103	0.011	0.2442	
8640 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
8640 minute summer	S16	1.005	S17	0.6	0.093	0.006	0.0964	
8640 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
8640 minute summer	S17	1.006	S18	0.7	0.065	0.007	0.1089	
8640 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
8640 minute summer	S18	1.007	S19	0.8	0.058	0.012	0.3568	
8640 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
8640 minute summer	S19	1.008	S20	0.8	0.045	0.017	0.7855	
8640 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
8640 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
8640 minute summer	S1	30.000	S2	0.0	-0.001	0.000	0.4544	
8640 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
8640 minute summer	S2	18.000	S6	0.5	0.167	0.263	0.0398	
8640 minute summer	S2	32.000	S3	0.8	0.078	0.014	0.9548	



Results for 30 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S6	4440	0.425	0.055	0.9	0.0596	0.0000	OK
8640 minute summer	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	S5	4440	0.425	0.055	0.6	0.0592	0.0000	OK
8640 minute summer	S7	4440	0.423	0.063	1.5	0.0684	0.0000	OK
8640 minute summer	S8	4440	0.422	0.072	1.5	0.0774	0.0000	OK
8640 minute summer	S20	4440	0.420	0.080	2.6	0.2349	0.0000	OK
8640 minute summer	S21	4440	0.395	0.065	2.8	0.0860	0.0000	OK
8640 minute summer	S22	4440	0.381	0.051	0.0	0.0733	0.0000	OK
8640 minute summer	S23	4440	0.381	0.061	3.8	0.2736	0.0000	OK
8640 minute summer	S24	4440	0.362	0.052	4.1	0.1050	0.0000	OK
8640 minute summer	Pond In 2	4440	0.054	0.049	4.1	0.0000	0.0000	OK
8640 minute summer	Pond Out	4500	0.041	0.041	5.7	0.0000	0.0000	OK
8640 minute summer	Control MH	4500	0.022	0.172	5.7	0.3044	0.0000	OK
8640 minute summer	Outfall 1	4500	-0.649	0.041	5.7	0.0000	0.0000	OK
8640 minute summer	PP1	4500	0.850	0.020	0.2	0.5620	0.0000	OK
8640 minute summer	PP2	4440	0.975	0.025	0.7	4.7659	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S6	17.001	S7	0.9	0.090	0.018	0.5398	
8640 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
8640 minute summer	S9	16.000	S5	0.0	0.000	0.000	0.0523	
8640 minute summer	S9	5.000	S12	0.0	0.000	0.000	0.0630	
8640 minute summer	S9	2.000	S10	0.0	0.000	0.000	0.0055	
8640 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
8640 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
8640 minute summer	S5	15.001	S7	0.6	0.060	0.015	0.6850	
8640 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
8640 minute summer	S7	15.002	S8	1.5	0.110	0.021	0.2908	
8640 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
8640 minute summer	S8	15.003	S20	1.5	0.092	0.027	0.5665	
8640 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
8640 minute summer	S20	1.009	S21	2.7	0.161	0.094	1.9473	
8640 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
8640 minute summer	S21	1.010	S23	2.8	0.205	0.049	0.4210	
8640 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
8640 minute summer	S22	25.000	S23	0.0	0.006	0.000	1.1485	
8640 minute summer	S23	1.011	S24	3.8	0.329	0.042	0.1455	
8640 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
8640 minute summer	S24	1.012	Pond In 2	4.1	0.465	0.032	0.0544	
8640 minute summer	Pond In 2	Flow through pond	Pond Out	5.7	0.006	0.001	48.9968	
8640 minute summer	Pond Out	34.000	Control MH	5.7	0.259	0.040	0.2139	
8640 minute summer	Control MH	34.001	Outfall	5.7	0.973	0.041	0.2034	810.2
8640 minute summer	PP1	1.000	S11	0.2	0.227	0.071	0.0278	
8640 minute summer	PP2	15.000	S5	0.6	0.417	0.138	0.0593	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

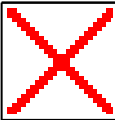
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Network: Holbeach
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Results for 30 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	PP3	4500	0.836	0.036	0.5	3.6355	0.0000	OK
8640 minute summer	PP4	4740	0.983	0.045	1.9	60.1687	0.0000	OK
8640 minute summer	PP5	4500	0.965	0.027	0.8	9.1177	0.0000	OK

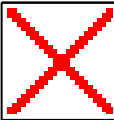
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	PP3	17.000	S6	0.5	0.265	0.204	0.0897	
8640 minute summer	PP4	28.000	S2	1.3	0.427	0.378	0.1965	
8640 minute summer	PP5	31.000	S3	0.7	0.439	0.156	0.0648	



Results for 30 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S3	4560	0.418	0.068	1.4	0.0730	0.0000	OK
8640 minute winter	S4	4560	0.387	0.067	1.5	0.1186	0.0000	OK
8640 minute winter	Pond In 1	4560	0.045	0.041	1.5	0.0000	0.0000	OK
8640 minute winter	S10	5400	0.435	0.005	0.0	0.0054	0.0000	OK
8640 minute winter	S11	5760	0.435	0.015	0.1	0.0162	0.0000	OK
8640 minute winter	S12	4500	0.427	0.017	0.2	0.0237	0.0000	OK
8640 minute winter	S13	4500	0.425	0.015	0.0	0.0158	0.0000	OK
8640 minute winter	S14	4500	0.425	0.025	0.3	0.0341	0.0000	OK
8640 minute winter	S15	4500	0.420	0.030	0.4	0.0491	0.0000	OK
8640 minute winter	S16	4500	0.416	0.036	0.4	0.0388	0.0000	OK
8640 minute winter	S17	4500	0.415	0.045	0.5	0.0614	0.0000	OK
8640 minute winter	S18	4500	0.415	0.055	0.6	0.0744	0.0000	OK
8640 minute winter	S19	4500	0.415	0.065	0.6	0.0697	0.0000	OK
8640 minute winter	S1	4560	0.421	0.031	0.0	0.0340	0.0000	OK
8640 minute winter	S2	4560	0.421	0.041	1.2	0.0448	0.0000	OK

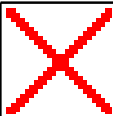
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S3	28.002	S4	1.4	0.091	0.048	0.6277	
8640 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
8640 minute winter	S4	28.003	Pond In 1	1.5	0.173	0.036	0.1257	
8640 minute winter	Pond In 1	Flow through pond	Pond Out	4.5	0.005	0.001	43.5479	
8640 minute winter	S10	2.001	S11	0.0	0.004	0.000	0.0046	
8640 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
8640 minute winter	S11	1.001	S12	0.1	0.082	0.002	0.0435	
8640 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
8640 minute winter	S12	1.002	S14	0.2	0.089	0.002	0.0224	
8640 minute winter	S13	8.000	S14	0.0	0.005	0.000	0.0318	
8640 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
8640 minute winter	S14	1.003	S15	0.3	0.085	0.005	0.1067	
8640 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
8640 minute winter	S15	1.004	S16	0.4	0.101	0.008	0.1877	
8640 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
8640 minute winter	S16	1.005	S17	0.4	0.092	0.004	0.0783	
8640 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
8640 minute winter	S17	1.006	S18	0.5	0.062	0.005	0.0921	
8640 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
8640 minute winter	S18	1.007	S19	0.6	0.055	0.010	0.3103	
8640 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
8640 minute winter	S19	1.008	S20	0.6	0.044	0.013	0.6962	
8640 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
8640 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
8640 minute winter	S1	30.000	S2	0.0	-0.001	0.000	0.3780	
8640 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
8640 minute winter	S2	18.000	S6	0.4	0.161	0.240	0.0347	
8640 minute winter	S2	32.000	S3	0.8	0.076	0.012	0.8392	



Results for 30 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S6	4500	0.420	0.050	0.7	0.0537	0.0000	OK
8640 minute winter	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	S5	4500	0.419	0.049	0.5	0.0527	0.0000	OK
8640 minute winter	S7	4500	0.417	0.057	1.3	0.0619	0.0000	OK
8640 minute winter	S8	4500	0.416	0.066	1.3	0.0709	0.0000	OK
8640 minute winter	S20	4500	0.414	0.074	2.2	0.2171	0.0000	OK
8640 minute winter	S21	4500	0.388	0.058	2.2	0.0775	0.0000	OK
8640 minute winter	S22	4500	0.375	0.045	0.0	0.0639	0.0000	OK
8640 minute winter	S23	4500	0.375	0.055	2.9	0.2443	0.0000	OK
8640 minute winter	S24	4500	0.356	0.046	3.1	0.0933	0.0000	OK
8640 minute winter	Pond In 2	4500	0.047	0.042	3.1	0.0000	0.0000	OK
8640 minute winter	Pond Out	4560	0.036	0.036	4.5	0.0000	0.0000	OK
8640 minute winter	Control MH	4560	-0.008	0.142	4.5	0.2514	0.0000	OK
8640 minute winter	Outfall	4560	-0.653	0.037	4.5	0.0000	0.0000	OK
8640 minute winter	1							
8640 minute winter	PP1	3480	0.845	0.015	0.1	0.3107	0.0000	OK
8640 minute winter	PP2	4680	0.972	0.022	0.5	3.7267	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S6	17.001	S7	0.7	0.087	0.016	0.4648	
8640 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
8640 minute winter	S9	16.000	S5	0.0	0.000	0.000	0.0439	
8640 minute winter	S9	5.000	S12	0.0	0.000	0.000	0.0414	
8640 minute winter	S9	2.000	S10	0.0	0.000	0.000	0.0025	
8640 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
8640 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
8640 minute winter	S5	15.001	S7	0.5	0.056	0.012	0.5850	
8640 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
8640 minute winter	S7	15.002	S8	1.3	0.107	0.017	0.2540	
8640 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
8640 minute winter	S8	15.003	S20	1.3	0.089	0.023	0.5026	
8640 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
8640 minute winter	S20	1.009	S21	2.2	0.154	0.079	1.7104	
8640 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
8640 minute winter	S21	1.010	S23	2.2	0.194	0.039	0.3593	
8640 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
8640 minute winter	S22	25.000	S23	0.0	-0.008	0.000	0.9594	
8640 minute winter	S23	1.011	S24	2.9	0.303	0.033	0.1230	
8640 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
8640 minute winter	S24	1.012	Pond In 2	3.1	0.430	0.024	0.0453	
8640 minute winter	Pond In 2	Flow through pond	Pond Out	4.5	0.005	0.001	43.5479	
8640 minute winter	Pond Out	34.000	Control MH	4.5	0.258	0.032	0.1699	
8640 minute winter	Control MH	34.001	Outfall	4.5	0.908	0.033	0.1730	907.4
8640 minute winter	PP1	1.000	S11	0.1	0.184	0.036	0.0173	
8640 minute winter	PP2	15.000	S5	0.5	0.389	0.108	0.0497	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

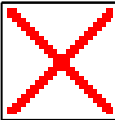
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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Results for 30 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	PP3	4560	0.832	0.032	0.4	2.9711	0.0000	OK
8640 minute winter	PP4	4920	0.981	0.043	1.4	54.6521	0.0000	OK
8640 minute winter	PP5	4680	0.962	0.024	0.6	7.3586	0.0000	OK

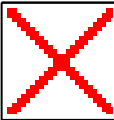
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	PP3	17.000	S6	0.4	0.249	0.164	0.0772	
8640 minute winter	PP4	28.000	S2	1.2	0.417	0.346	0.1842	
8640 minute winter	PP5	31.000	S3	0.6	0.413	0.126	0.0556	



Results for 100 year +20% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S3	51	0.532	0.182	11.1	0.1961	0.0000	OK
60 minute summer	S4	38	0.486	0.166	13.8	0.2940	0.0000	OK
60 minute summer	Pond In 1	283	0.202	0.197	13.8	0.0000	0.0000	OK
60 minute summer	S10	39	0.642	0.212	4.8	0.2284	0.0000	OK
60 minute summer	S11	39	0.642	0.222	7.7	0.2395	0.0000	OK
60 minute summer	S12	39	0.641	0.231	16.8	0.3306	0.0000	OK
60 minute summer	S13	39	0.641	0.231	1.3	0.2498	0.0000	OK
60 minute summer	S14	39	0.641	0.241	15.5	0.3337	0.0000	OK
60 minute summer	S15	39	0.641	0.251	13.9	0.4054	0.0000	OK
60 minute summer	S16	39	0.641	0.261	7.4	0.2815	0.0000	OK
60 minute summer	S17	39	0.640	0.270	9.7	0.3655	0.0000	OK
60 minute summer	S18	39	0.640	0.280	11.5	0.3777	0.0000	OK
60 minute summer	S19	39	0.639	0.289	12.0	0.3121	0.0000	OK
60 minute summer	S1	51	0.535	0.145	3.0	0.1569	0.0000	OK
60 minute summer	S2	52	0.535	0.155	8.4	0.1676	0.0000	OK

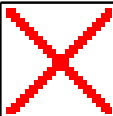
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S3	28.002	S4	11.0	0.202	0.390	2.3559	
60 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute summer	S4	28.003	Pond In 1	13.8	0.393	0.343	0.5022	
60 minute summer	Pond In 1	Flow through pond	Pond Out	81.3	0.069	0.010	260.1679	
60 minute summer	S10	2.001	S11	-4.8	-0.158	-0.034	0.3767	
60 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute summer	S11	1.001	S12	-5.5	-0.132	-0.092	2.1981	
60 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute summer	S12	1.002	S14	-10.4	-0.197	-0.096	0.7343	
60 minute summer	S13	8.000	S14	-1.3	-0.113	-0.014	1.1061	
60 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute summer	S14	1.003	S15	-9.4	-0.150	-0.154	2.3942	
60 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute summer	S15	1.004	S16	7.4	0.189	0.142	3.3454	
60 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute summer	S16	1.005	S17	8.3	0.145	0.086	1.0727	
60 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute summer	S17	1.006	S18	10.1	0.163	0.097	0.9658	
60 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute summer	S18	1.007	S19	12.0	0.185	0.190	2.6237	
60 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute summer	S19	1.008	S20	13.1	0.129	0.281	4.9224	
60 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute summer	S1	30.000	S2	-3.0	-0.155	-0.077	2.9068	
60 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute summer	S2	18.000	S6	-6.1	-0.775	-3.277	0.0783	
60 minute summer	S2	32.000	S3	7.0	0.134	0.111	4.1099	



Results for 100 year +20% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S6	39	0.640	0.270	9.3	0.2914	0.0000	OK
60 minute summer	S9	40	0.641	0.201	8.3	0.2171	0.0000	OK
60 minute summer	S5	39	0.642	0.272	11.7	0.2933	0.0000	OK
60 minute summer	S7	39	0.639	0.279	17.1	0.3018	0.0000	OK
60 minute summer	S8	39	0.638	0.288	21.0	0.3116	0.0000	OK
60 minute summer	S20	39	0.637	0.297	37.7	0.8709	0.0000	OK
60 minute summer	S21	39	0.601	0.271	40.0	0.3593	0.0000	OK
60 minute summer	S22	35	0.595	0.265	7.8	0.3787	0.0000	OK
60 minute summer	S23	35	0.592	0.272	78.4	1.2169	0.0000	OK
60 minute summer	S24	35	0.550	0.240	93.8	0.4883	0.0000	OK
60 minute summer	Pond In 2	35	0.324	0.319	93.8	0.0000	0.0000	OK
60 minute summer	Pond Out	293	0.199	0.199	81.3	0.0000	0.0000	OK
60 minute summer	Control MH	55	0.223	0.373	36.2	0.6590	0.0000	SURCHARGED
60 minute summer	Outfall	290	-0.645	0.045	6.9	0.0000	0.0000	OK
60 minute summer	1							
60 minute summer	PP1	44	0.923	0.093	13.6	9.1984	0.0000	OK
60 minute summer	PP2	61	1.030	0.080	50.4	44.1469	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	S6	17.001	S7	-7.1	-0.121	-0.150	4.4468	
60 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute summer	S9	16.000	S5	7.6	0.124	0.027	0.8026	
60 minute summer	S9	5.000	S12	-4.9	-0.152	-0.060	3.4518	
60 minute summer	S9	2.000	S10	-4.6	-0.167	-0.058	1.1287	
60 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute summer	S5	15.001	S7	12.5	0.128	0.299	5.6846	
60 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute summer	S7	15.002	S8	-17.1	-0.240	-0.239	2.0604	
60 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute summer	S8	15.003	S20	-21.0	-0.268	-0.379	3.5104	
60 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute summer	S20	1.009	S21	38.4	0.387	1.360	12.4208	
60 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute summer	S21	1.010	S23	42.4	0.478	0.754	3.1175	
60 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute summer	S22	25.000	S23	-7.8	-0.152	-0.254	9.9397	
60 minute summer	S23	1.011	S24	76.2	0.847	0.853	1.1835	
60 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute summer	S24	1.012	Pond In 2	93.8	1.175	0.730	0.4962	
60 minute summer	Pond In 2	Flow through pond	Pond Out	81.3	0.069	0.010	260.1679	
60 minute summer	Pond Out	34.000	Control MH	36.2	0.736	0.252	0.5406	
60 minute summer	Control MH	34.001	Outfall	6.9	1.027	0.049	0.2314	108.2
60 minute summer	PP1	1.000	S11	3.0	0.479	1.062	0.1883	
60 minute summer	PP2	15.000	S5	4.3	0.696	0.931	0.2386	



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13 Gostwick
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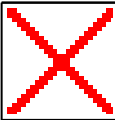
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Network: Holbeach
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Results for 100 year +20% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	PP3	61	0.910	0.110	38.1	33.5254	0.0000	SURCHARGED
60 minute summer	PP4	64	1.017	0.079	144.0	146.4066	0.0000	OK
60 minute summer	PP5	62	1.015	0.077	62.7	57.7787	0.0000	OK

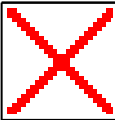
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	PP3	17.000	S6	3.0	0.439	1.259	0.2949	
60 minute summer	PP4	28.000	S2	2.9	0.515	0.860	0.3655	
60 minute summer	PP5	31.000	S3	4.2	0.701	0.892	0.2314	



Results for 100 year +20% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S3	53	0.539	0.189	11.9	0.2038	0.0000	OK
60 minute winter	S4	41	0.494	0.174	15.3	0.3070	0.0000	OK
60 minute winter	Pond In 1	299	0.232	0.227	15.2	0.0000	0.0000	OK
60 minute winter	S10	41	0.646	0.216	4.5	0.2328	0.0000	OK
60 minute winter	S11	41	0.646	0.226	6.1	0.2435	0.0000	OK
60 minute winter	S12	41	0.646	0.236	12.0	0.3367	0.0000	OK
60 minute winter	S13	41	0.646	0.236	0.9	0.2544	0.0000	OK
60 minute winter	S14	41	0.646	0.246	10.4	0.3396	0.0000	OK
60 minute winter	S15	41	0.645	0.255	9.3	0.4121	0.0000	OK
60 minute winter	S16	41	0.645	0.265	7.7	0.2857	0.0000	OK
60 minute winter	S17	41	0.644	0.274	9.9	0.3708	0.0000	OK
60 minute winter	S18	41	0.644	0.284	12.1	0.3829	0.0000	OK
60 minute winter	S19	41	0.643	0.293	12.3	0.3164	0.0000	OK
60 minute winter	S1	52	0.542	0.152	2.5	0.1646	0.0000	OK
60 minute winter	S2	52	0.542	0.162	8.5	0.1753	0.0000	OK

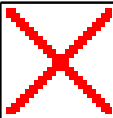
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S3	28.002	S4	11.9	0.210	0.422	2.4820	
60 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute winter	S4	28.003	Pond In 1	15.2	0.408	0.379	0.5337	
60 minute winter	Pond In 1	Flow through pond	Pond Out	72.5	0.064	0.009	301.4032	
60 minute winter	S10	2.001	S11	-4.5	-0.148	-0.031	0.3854	
60 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute winter	S11	1.001	S12	-3.8	-0.106	-0.063	2.2474	
60 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute winter	S12	1.002	S14	-6.9	-0.143	-0.063	0.7508	
60 minute winter	S13	8.000	S14	-0.9	-0.120	-0.010	1.1312	
60 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute winter	S14	1.003	S15	-5.3	0.106	-0.087	2.4446	
60 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute winter	S15	1.004	S16	7.7	0.197	0.147	3.4099	
60 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute winter	S16	1.005	S17	8.6	0.147	0.089	1.0919	
60 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute winter	S17	1.006	S18	10.2	0.169	0.099	0.9821	
60 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute winter	S18	1.007	S19	12.3	0.201	0.195	2.6658	
60 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute winter	S19	1.008	S20	13.4	0.130	0.287	5.0025	
60 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute winter	S1	30.000	S2	-2.5	-0.163	-0.063	3.0982	
60 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute winter	S2	18.000	S6	-5.9	-0.758	-3.206	0.0783	
60 minute winter	S2	32.000	S3	7.5	0.131	0.119	4.3462	



Results for 100 year +20% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S6	42	0.643	0.273	7.9	0.2953	0.0000	OK
60 minute winter	S9	42	0.647	0.207	8.0	0.2230	0.0000	OK
60 minute winter	S5	41	0.645	0.275	12.8	0.2967	0.0000	OK
60 minute winter	S7	42	0.643	0.283	12.5	0.3061	0.0000	OK
60 minute winter	S8	42	0.642	0.292	13.3	0.3158	0.0000	OK
60 minute winter	S20	41	0.641	0.301	37.7	0.8838	0.0000	OK
60 minute winter	S21	40	0.609	0.279	41.1	0.3708	0.0000	OK
60 minute winter	S22	39	0.598	0.268	4.6	0.3836	0.0000	OK
60 minute winter	S23	39	0.597	0.277	81.0	1.2393	0.0000	OK
60 minute winter	S24	38	0.550	0.240	94.0	0.4888	0.0000	OK
60 minute winter	Pond In 2	38	0.327	0.322	94.0	0.0000	0.0000	OK
60 minute winter	Pond Out	300	0.229	0.229	72.5	0.0000	0.0000	OK
60 minute winter	Control MH	56	0.234	0.384	37.1	0.6786	0.0000	SURCHARGED
60 minute winter	Outfall 1	299	-0.645	0.045	6.9	0.0000	0.0000	OK
60 minute winter	PP1	46	0.930	0.100	11.0	10.2219	0.0000	SURCHARGED
60 minute winter	PP2	60	1.037	0.087	40.8	50.0693	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	S6	17.001	S7	-5.8	-0.117	-0.124	4.5201	
60 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute winter	S9	16.000	S5	8.4	0.150	0.030	0.8211	
60 minute winter	S9	5.000	S12	-3.9	-0.155	-0.048	3.5531	
60 minute winter	S9	2.000	S10	-4.4	-0.182	-0.056	1.1632	
60 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute winter	S5	15.001	S7	12.3	0.128	0.296	5.7708	
60 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute winter	S7	15.002	S8	13.1	-0.233	0.182	2.0940	
60 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute winter	S8	15.003	S20	14.0	-0.216	0.252	3.5673	
60 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute winter	S20	1.009	S21	39.4	0.391	1.395	12.7293	
60 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute winter	S21	1.010	S23	43.5	0.482	0.773	3.2236	
60 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute winter	S22	25.000	S23	-4.6	-0.173	-0.151	10.1272	
60 minute winter	S23	1.011	S24	80.8	0.864	0.904	1.1978	
60 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute winter	S24	1.012	Pond In 2	94.0	1.175	0.731	0.4968	
60 minute winter	Pond In 2	Flow through pond	Pond Out	72.5	0.064	0.009	301.4032	
60 minute winter	Pond Out	34.000	Control MH	37.1	0.756	0.259	0.5769	
60 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	109.4
60 minute winter	PP1	1.000	S11	3.2	0.486	1.147	0.1957	
60 minute winter	PP2	15.000	S5	4.6	0.699	0.993	0.2523	



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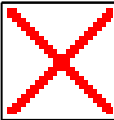
File: 9078 Holbeach Drove Gate - SW 10-01
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Results for 100 year +20% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP3	60	0.917	0.117	30.8	38.1421	0.0000	SURCHARGED
60 minute winter	PP4	63	1.025	0.087	116.5	164.3451	0.0000	OK
60 minute winter	PP5	61	1.022	0.084	50.7	65.1747	0.0000	OK

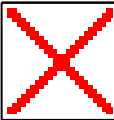
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	PP3	17.000	S6	3.1	0.450	1.299	0.2972	
60 minute winter	PP4	28.000	S2	3.1	0.520	0.935	0.3913	
60 minute winter	PP5	31.000	S3	4.6	0.709	0.968	0.2474	



Results for 100 year +20% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S3	120	0.530	0.180	10.7	0.1944	0.0000	OK
180 minute summer	S4	108	0.484	0.164	13.3	0.2900	0.0000	OK
180 minute summer	Pond In 1	420	0.276	0.271	13.3	0.0000	0.0000	OK
180 minute summer	S10	104	0.590	0.160	2.7	0.1732	0.0000	OK
180 minute summer	S11	104	0.590	0.170	3.3	0.1841	0.0000	OK
180 minute summer	S12	104	0.590	0.180	5.2	0.2577	0.0000	OK
180 minute summer	S13	104	0.590	0.180	0.4	0.1947	0.0000	OK
180 minute summer	S14	104	0.590	0.190	3.7	0.2631	0.0000	OK
180 minute summer	S15	104	0.590	0.200	5.3	0.3231	0.0000	OK
180 minute summer	S16	104	0.589	0.209	5.6	0.2261	0.0000	OK
180 minute summer	S17	104	0.589	0.219	7.2	0.2963	0.0000	OK
180 minute summer	S18	104	0.589	0.229	8.7	0.3087	0.0000	OK
180 minute summer	S19	104	0.588	0.238	8.9	0.2570	0.0000	OK
180 minute summer	S1	116	0.533	0.143	0.6	0.1548	0.0000	OK
180 minute summer	S2	116	0.533	0.153	7.0	0.1655	0.0000	OK

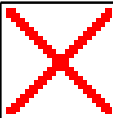
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S3	28.002	S4	10.7	0.197	0.382	2.3470	
180 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute summer	S4	28.003	Pond In 1	13.3	0.388	0.332	0.4918	
180 minute summer	Pond In 1	Flow through pond	Pond Out	41.5	0.025	0.005	361.7797	
180 minute summer	S10	2.001	S11	-2.7	-0.086	-0.019	0.2636	
180 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute summer	S11	1.001	S12	1.7	0.073	0.029	1.5718	
180 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute summer	S12	1.002	S14	2.6	0.109	0.024	0.5357	
180 minute summer	S13	8.000	S14	-0.4	-0.071	-0.004	0.8071	
180 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute summer	S14	1.003	S15	3.6	0.102	0.059	1.7782	
180 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute summer	S15	1.004	S16	5.6	0.158	0.107	2.5230	
180 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute summer	S16	1.005	S17	6.0	0.143	0.062	0.8205	
180 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute summer	S17	1.006	S18	7.3	0.144	0.071	0.7492	
180 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute summer	S18	1.007	S19	8.9	0.155	0.140	2.0621	
180 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute summer	S19	1.008	S20	9.2	0.112	0.198	3.9218	
180 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute summer	S1	30.000	S2	-0.6	-0.058	-0.016	2.8554	
180 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute summer	S2	18.000	S6	-4.4	-0.568	-2.403	0.0783	
180 minute summer	S2	32.000	S3	6.4	0.121	0.102	4.0523	



Results for 100 year +20% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S6	104	0.589	0.219	5.1	0.2360	0.0000	OK
180 minute summer	S9	104	0.590	0.150	4.7	0.1623	0.0000	OK
180 minute summer	S5	104	0.590	0.220	8.7	0.2377	0.0000	OK
180 minute summer	S7	104	0.588	0.228	9.0	0.2467	0.0000	OK
180 minute summer	S8	104	0.588	0.238	9.3	0.2567	0.0000	OK
180 minute summer	S20	104	0.587	0.247	27.2	0.7241	0.0000	OK
180 minute summer	S21	104	0.557	0.227	29.1	0.3006	0.0000	OK
180 minute summer	S22	100	0.546	0.216	2.1	0.3097	0.0000	OK
180 minute summer	S23	100	0.546	0.226	55.4	1.0093	0.0000	OK
180 minute summer	S24	100	0.506	0.196	63.9	0.3986	0.0000	OK
180 minute summer	Pond In 2	364	0.280	0.275	63.9	0.0000	0.0000	OK
180 minute summer	Pond Out	416	0.273	0.273	42.1	0.0000	0.0000	OK
180 minute summer	Control MH	416	0.272	0.422	24.7	0.7462	0.0000	SURCHARGED
180 minute summer	Outfall	228	-0.645	0.045	6.9	0.0000	0.0000	OK
180 minute summer	1							
180 minute summer	PP1	112	0.916	0.086	6.3	8.2083	0.0000	OK
180 minute summer	PP2	128	1.033	0.083	23.4	46.0757	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	S6	17.001	S7	3.7	0.122	0.079	3.4478	
180 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute summer	S9	16.000	S5	4.5	0.074	0.016	0.5881	
180 minute summer	S9	5.000	S12	-2.2	-0.079	-0.028	2.4231	
180 minute summer	S9	2.000	S10	-2.6	-0.100	-0.033	0.7730	
180 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute summer	S5	15.001	S7	9.0	0.116	0.215	4.4108	
180 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute summer	S7	15.002	S8	9.3	0.176	0.130	1.6201	
180 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute summer	S8	15.003	S20	9.8	0.166	0.176	2.7980	
180 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute summer	S20	1.009	S21	27.8	0.344	0.983	9.9663	
180 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
180 minute summer	S21	1.010	S23	30.0	0.420	0.533	2.4945	
180 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
180 minute summer	S22	25.000	S23	-2.1	-0.098	-0.068	7.8123	
180 minute summer	S23	1.011	S24	55.3	0.764	0.619	0.9267	
180 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
180 minute summer	S24	1.012	Pond In 2	63.9	1.040	0.497	0.3816	
180 minute summer	Pond In 2	Flow through pond	Pond Out	41.5	0.025	0.005	361.7797	
180 minute summer	Pond Out	34.000	Control MH	24.7	0.527	0.172	0.6195	
180 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	141.5
180 minute summer	PP1	1.000	S11	2.7	0.471	0.971	0.1776	
180 minute summer	PP2	15.000	S5	4.4	0.698	0.953	0.2434	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

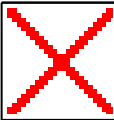
File: 9078 Holbeach Drove Gate - SW 10-01
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Results for 100 year +20% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	PP3	132	0.912	0.112	17.7	35.1318	0.0000	SURCHARGED
180 minute summer	PP4	184	1.030	0.092	66.9	178.7068	0.0000	OK
180 minute summer	PP5	136	1.019	0.081	29.1	62.0593	0.0000	OK

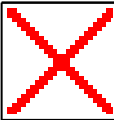
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	PP3	17.000	S6	3.1	0.443	1.275	0.2958	
180 minute summer	PP4	28.000	S2	3.3	0.521	0.988	0.4081	
180 minute summer	PP5	31.000	S3	4.4	0.707	0.939	0.2410	



Results for 100 year +20% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S3	124	0.534	0.184	11.1	0.1982	0.0000	OK
180 minute winter	S4	112	0.487	0.167	13.9	0.2952	0.0000	OK
180 minute winter	Pond In 1	420	0.315	0.310	13.9	0.0000	0.0000	OK
180 minute winter	S10	112	0.584	0.154	2.5	0.1667	0.0000	OK
180 minute winter	S11	112	0.584	0.164	2.8	0.1776	0.0000	OK
180 minute winter	S12	112	0.584	0.174	3.6	0.2491	0.0000	OK
180 minute winter	S13	112	0.584	0.174	0.2	0.1882	0.0000	OK
180 minute winter	S14	112	0.584	0.184	3.3	0.2549	0.0000	OK
180 minute winter	S15	112	0.584	0.194	5.3	0.3135	0.0000	OK
180 minute winter	S16	112	0.583	0.203	5.5	0.2197	0.0000	OK
180 minute winter	S17	112	0.583	0.213	7.0	0.2881	0.0000	OK
180 minute winter	S18	112	0.583	0.223	8.6	0.3005	0.0000	OK
180 minute winter	S19	112	0.582	0.232	8.6	0.2504	0.0000	OK
180 minute winter	S1	124	0.537	0.147	0.4	0.1584	0.0000	OK
180 minute winter	S2	124	0.537	0.157	6.8	0.1692	0.0000	OK

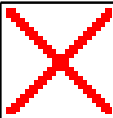
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S3	28.002	S4	11.1	0.199	0.395	2.4129	
180 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute winter	S4	28.003	Pond In 1	13.9	0.394	0.346	0.5049	
180 minute winter	Pond In 1	Flow through pond	Pond Out	40.8	0.027	0.005	416.9509	
180 minute winter	S10	2.001	S11	-2.5	-0.079	-0.018	0.2506	
180 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute winter	S11	1.001	S12	1.8	0.075	0.029	1.4995	
180 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute winter	S12	1.002	S14	2.9	0.113	0.027	0.5127	
180 minute winter	S13	8.000	S14	-0.2	-0.063	-0.002	0.7725	
180 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute winter	S14	1.003	S15	3.6	0.105	0.059	1.7067	
180 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute winter	S15	1.004	S16	5.5	0.167	0.106	2.4272	
180 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute winter	S16	1.005	S17	5.8	0.146	0.060	0.7909	
180 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute winter	S17	1.006	S18	7.1	0.149	0.068	0.7235	
180 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute winter	S18	1.007	S19	8.6	0.149	0.136	1.9943	
180 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute winter	S19	1.008	S20	8.8	0.109	0.189	3.7966	
180 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute winter	S1	30.000	S2	-0.4	-0.065	-0.011	2.9454	
180 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute winter	S2	18.000	S6	-4.0	-0.513	-2.168	0.0783	
180 minute winter	S2	32.000	S3	6.5	0.119	0.104	4.1664	



Results for 100 year +20% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S6	112	0.582	0.212	4.4	0.2292	0.0000	OK
180 minute winter	S9	112	0.584	0.144	4.5	0.1557	0.0000	OK
180 minute winter	S5	112	0.584	0.214	8.5	0.2312	0.0000	OK
180 minute winter	S7	112	0.582	0.222	8.6	0.2399	0.0000	OK
180 minute winter	S8	112	0.581	0.231	9.1	0.2500	0.0000	OK
180 minute winter	S20	112	0.581	0.241	26.6	0.7057	0.0000	OK
180 minute winter	S21	108	0.549	0.219	28.1	0.2905	0.0000	OK
180 minute winter	S22	104	0.536	0.206	1.2	0.2950	0.0000	OK
180 minute winter	S23	104	0.536	0.216	51.2	0.9653	0.0000	OK
180 minute winter	S24	104	0.497	0.187	58.3	0.3799	0.0000	OK
180 minute winter	Pond In 2	420	0.334	0.330	58.3	0.0000	0.0000	OK
180 minute winter	Pond Out	416	0.312	0.312	60.6	0.0000	0.0000	SURCHARGED
180 minute winter	Control MH	416	0.311	0.461	32.3	0.8152	0.0000	SURCHARGED
180 minute winter	Outfall 1	172	-0.645	0.045	6.9	0.0000	0.0000	OK
180 minute winter	PP1	120	0.917	0.087	4.8	8.4272	0.0000	OK
180 minute winter	PP2	140	1.039	0.089	18.0	51.5207	0.0000	OK

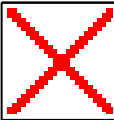
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S6	17.001	S7	4.1	0.126	0.086	3.3243	
180 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute winter	S9	16.000	S5	4.3	0.075	0.016	0.5629	
180 minute winter	S9	5.000	S12	-2.1	-0.082	-0.026	2.3035	
180 minute winter	S9	2.000	S10	-2.4	-0.102	-0.030	0.7318	
180 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute winter	S5	15.001	S7	8.6	0.115	0.206	4.2574	
180 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute winter	S7	15.002	S8	9.1	0.181	0.127	1.5653	
180 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute winter	S8	15.003	S20	9.4	0.171	0.170	2.7076	
180 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute winter	S20	1.009	S21	26.8	0.340	0.949	9.5984	
180 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
180 minute winter	S21	1.010	S23	28.6	0.410	0.509	2.3725	
180 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
180 minute winter	S22	25.000	S23	-1.2	-0.109	-0.038	7.3570	
180 minute winter	S23	1.011	S24	51.2	0.748	0.573	0.8727	
180 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
180 minute winter	S24	1.012	Pond In 2	58.3	1.012	0.453	0.3578	
180 minute winter	Pond In 2	Flow through pond	Pond Out	40.8	0.027	0.005	416.9509	
180 minute winter	Pond Out	34.000	Control MH	32.3	0.697	0.225	0.6338	
180 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	143.7
180 minute winter	PP1	1.000	S11	2.8	0.473	0.992	0.1801	
180 minute winter	PP2	15.000	S5	4.7	0.699	1.005	0.2552	



Results for 100 year +20% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP3	140	0.919	0.119	13.6	39.5906	0.0000	SURCHARGED
180 minute winter	PP4	180	1.039	0.101	51.5	201.6017	0.0000	SURCHARGED
180 minute winter	PP5	144	1.027	0.089	22.4	69.8955	0.0000	OK

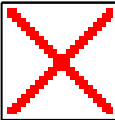
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP3	17.000	S6	3.2	0.453	1.311	0.2978	
180 minute winter	PP4	28.000	S2	3.5	0.521	1.053	0.4236	
180 minute winter	PP5	31.000	S3	4.7	0.709	1.004	0.2558	



Results for 100 year +20% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S3	216	0.523	0.173	9.8	0.1866	0.0000	OK
360 minute summer	S4	208	0.477	0.157	11.9	0.2770	0.0000	OK
360 minute summer	Pond In 1	560	0.321	0.316	11.9	0.0000	0.0000	OK
360 minute summer	S10	200	0.557	0.127	1.8	0.1369	0.0000	OK
360 minute summer	S11	200	0.557	0.137	2.3	0.1478	0.0000	OK
360 minute summer	S12	200	0.557	0.147	2.5	0.2097	0.0000	OK
360 minute summer	S13	200	0.557	0.147	0.1	0.1585	0.0000	OK
360 minute summer	S14	200	0.557	0.157	2.8	0.2168	0.0000	OK
360 minute summer	S15	200	0.557	0.167	4.4	0.2689	0.0000	OK
360 minute summer	S16	200	0.556	0.176	4.5	0.1897	0.0000	OK
360 minute summer	S17	200	0.555	0.185	5.6	0.2507	0.0000	OK
360 minute summer	S18	200	0.555	0.195	6.8	0.2631	0.0000	OK
360 minute summer	S19	200	0.554	0.204	6.8	0.2206	0.0000	OK
360 minute summer	S1	216	0.526	0.136	0.3	0.1466	0.0000	OK
360 minute summer	S2	216	0.526	0.146	5.9	0.1574	0.0000	OK

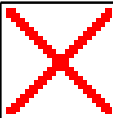
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S3	28.002	S4	9.8	0.190	0.349	2.2196	
360 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
360 minute summer	S4	28.003	Pond In 1	11.9	0.374	0.297	0.4590	
360 minute summer	Pond In 1	Flow through pond	Pond Out	32.0	0.019	0.004	426.3622	
360 minute summer	S10	2.001	S11	-1.8	-0.065	-0.013	0.1928	
360 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
360 minute summer	S11	1.001	S12	1.4	0.080	0.024	1.1760	
360 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
360 minute summer	S12	1.002	S14	2.3	0.098	0.022	0.4089	
360 minute summer	S13	8.000	S14	-0.1	-0.054	-0.002	0.6161	
360 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
360 minute summer	S14	1.003	S15	2.9	0.097	0.048	1.3812	
360 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
360 minute summer	S15	1.004	S16	4.5	0.141	0.087	1.9884	
360 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
360 minute summer	S16	1.005	S17	4.7	0.140	0.049	0.6552	
360 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
360 minute summer	S17	1.006	S18	5.7	0.139	0.055	0.6059	
360 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
360 minute summer	S18	1.007	S19	6.8	0.136	0.107	1.6865	
360 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
360 minute summer	S19	1.008	S20	6.9	0.100	0.149	3.2395	
360 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
360 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
360 minute summer	S1	30.000	S2	-0.3	-0.038	-0.009	2.6568	
360 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
360 minute summer	S2	18.000	S6	-3.3	-0.423	-1.790	0.0783	
360 minute summer	S2	32.000	S3	5.6	0.113	0.089	3.8117	



Results for 100 year +20% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S6	200	0.555	0.185	3.6	0.1995	0.0000	OK
360 minute summer	S9	200	0.557	0.117	3.2	0.1259	0.0000	OK
360 minute summer	S5	200	0.557	0.187	6.8	0.2015	0.0000	OK
360 minute summer	S7	200	0.555	0.195	7.3	0.2102	0.0000	OK
360 minute summer	S8	200	0.554	0.204	7.7	0.2203	0.0000	OK
360 minute summer	S20	200	0.553	0.213	21.1	0.6250	0.0000	OK
360 minute summer	S21	192	0.522	0.192	22.2	0.2545	0.0000	OK
360 minute summer	S22	192	0.511	0.181	0.8	0.2585	0.0000	OK
360 minute summer	S23	192	0.510	0.190	40.2	0.8503	0.0000	OK
360 minute summer	S24	192	0.475	0.165	45.6	0.3348	0.0000	OK
360 minute summer	Pond In 2	472	0.333	0.329	45.6	0.0000	0.0000	OK
360 minute summer	Pond Out	568	0.318	0.318	47.4	0.0000	0.0000	SURCHARGED
360 minute summer	Control MH	568	0.318	0.468	28.4	0.8270	0.0000	SURCHARGED
360 minute summer	Outfall	296	-0.645	0.045	6.9	0.0000	0.0000	OK
360 minute summer	1							
360 minute summer	PP1	208	0.904	0.074	3.9	6.5618	0.0000	OK
360 minute summer	PP2	232	1.030	0.080	14.6	43.4280	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	S6	17.001	S7	3.6	0.126	0.076	2.7854	
360 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
360 minute summer	S9	16.000	S5	3.0	0.066	0.011	0.4509	
360 minute summer	S9	5.000	S12	-1.5	0.070	-0.019	1.7742	
360 minute summer	S9	2.000	S10	-1.7	0.086	-0.022	0.5508	
360 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
360 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
360 minute summer	S5	15.001	S7	6.8	0.109	0.164	3.5702	
360 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
360 minute summer	S7	15.002	S8	7.7	0.173	0.108	1.3243	
360 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
360 minute summer	S8	15.003	S20	7.9	0.162	0.143	2.3106	
360 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
360 minute summer	S20	1.009	S21	21.2	0.316	0.750	8.1472	
360 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
360 minute summer	S21	1.010	S23	22.5	0.381	0.400	2.0068	
360 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
360 minute summer	S22	25.000	S23	-0.8	-0.070	-0.027	6.2073	
360 minute summer	S23	1.011	S24	40.1	0.692	0.448	0.7381	
360 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
360 minute summer	S24	1.012	Pond In 2	45.6	0.940	0.354	0.3013	
360 minute summer	Pond In 2	Flow through pond	Pond Out	32.0	0.019	0.004	426.3622	
360 minute summer	Pond Out	34.000	Control MH	28.4	0.666	0.197	0.6338	
360 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	195.3
360 minute summer	PP1	1.000	S11	2.3	0.451	0.803	0.1551	
360 minute summer	PP2	15.000	S5	4.3	0.695	0.922	0.2368	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

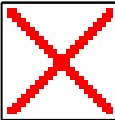
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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10/01/2024

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Results for 100 year +20% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	PP3	232	0.909	0.109	11.1	33.2966	0.0000	SURCHARGED
360 minute summer	PP4	360	1.035	0.097	41.8	189.4282	0.0000	OK
360 minute summer	PP5	240	1.018	0.080	18.2	61.1606	0.0000	OK

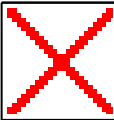
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	PP3	17.000	S6	3.0	0.438	1.255	0.2947	
360 minute summer	PP4	28.000	S2	3.4	0.521	1.020	0.4177	
360 minute summer	PP5	31.000	S3	4.4	0.706	0.930	0.2391	



Results for 100 year +20% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S3	232	0.523	0.173	9.9	0.1874	0.0000	OK
360 minute winter	S4	216	0.477	0.157	11.9	0.2769	0.0000	OK
360 minute winter	Pond In 1	592	0.367	0.362	11.9	0.0000	0.0000	OK
360 minute winter	S10	208	0.548	0.118	1.4	0.1270	0.0000	OK
360 minute winter	S11	208	0.548	0.128	2.2	0.1379	0.0000	OK
360 minute winter	S12	208	0.548	0.138	2.3	0.1966	0.0000	OK
360 minute winter	S13	208	0.548	0.138	0.1	0.1486	0.0000	OK
360 minute winter	S14	208	0.548	0.148	2.8	0.2041	0.0000	OK
360 minute winter	S15	208	0.547	0.157	4.3	0.2541	0.0000	OK
360 minute winter	S16	208	0.546	0.166	4.3	0.1798	0.0000	OK
360 minute winter	S17	208	0.546	0.176	5.3	0.2382	0.0000	OK
360 minute winter	S18	208	0.546	0.186	6.4	0.2506	0.0000	OK
360 minute winter	S19	208	0.545	0.195	6.4	0.2105	0.0000	OK
360 minute winter	S1	224	0.526	0.136	0.2	0.1471	0.0000	OK
360 minute winter	S2	224	0.526	0.146	5.6	0.1579	0.0000	OK

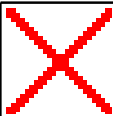
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S3	28.002	S4	9.9	0.191	0.353	2.2315	
360 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
360 minute winter	S4	28.003	Pond In 1	11.9	0.373	0.297	0.4588	
360 minute winter	Pond In 1	Flow through pond	Pond Out	30.0	0.020	0.004	492.7925	
360 minute winter	S10	2.001	S11	-1.4	-0.059	-0.010	0.1744	
360 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
360 minute winter	S11	1.001	S12	1.3	0.083	0.022	1.0718	
360 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
360 minute winter	S12	1.002	S14	2.5	0.103	0.023	0.3753	
360 minute winter	S13	8.000	S14	-0.1	-0.051	-0.001	0.5653	
360 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
360 minute winter	S14	1.003	S15	3.0	0.094	0.049	1.2753	
360 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
360 minute winter	S15	1.004	S16	4.3	0.146	0.083	1.8449	
360 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
360 minute winter	S16	1.005	S17	4.4	0.139	0.046	0.6106	
360 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
360 minute winter	S17	1.006	S18	5.4	0.132	0.052	0.5670	
360 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
360 minute winter	S18	1.007	S19	6.4	0.124	0.101	1.5842	
360 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
360 minute winter	S19	1.008	S20	6.5	0.097	0.139	3.0532	
360 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
360 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
360 minute winter	S1	30.000	S2	-0.2	-0.043	-0.005	2.6698	
360 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
360 minute winter	S2	18.000	S6	-2.8	-0.352	-1.488	0.0783	
360 minute winter	S2	32.000	S3	5.5	0.110	0.087	3.8304	



Results for 100 year +20% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S6	208	0.546	0.176	3.9	0.1897	0.0000	OK
360 minute winter	S9	208	0.547	0.107	2.5	0.1161	0.0000	OK
360 minute winter	S5	208	0.547	0.177	6.3	0.1917	0.0000	OK
360 minute winter	S7	208	0.546	0.186	7.3	0.2004	0.0000	OK
360 minute winter	S8	208	0.545	0.195	7.5	0.2103	0.0000	OK
360 minute winter	S20	208	0.544	0.204	19.8	0.5979	0.0000	OK
360 minute winter	S21	200	0.511	0.181	20.7	0.2407	0.0000	OK
360 minute winter	S22	200	0.498	0.168	0.5	0.2403	0.0000	OK
360 minute winter	S23	200	0.498	0.178	35.3	0.7949	0.0000	OK
360 minute winter	S24	200	0.463	0.153	39.6	0.3120	0.0000	OK
360 minute winter	Pond In 2	560	0.365	0.360	39.6	0.0000	0.0000	OK
360 minute winter	Pond Out	600	0.365	0.365	40.5	0.0000	0.0000	SURCHARGED
360 minute winter	Control MH	600	0.364	0.514	21.8	0.9088	0.0000	SURCHARGED
360 minute winter	Outfall 1	256	-0.645	0.045	6.9	0.0000	0.0000	OK
360 minute winter	PP1	216	0.902	0.072	2.9	6.2368	0.0000	OK
360 minute winter	PP2	248	1.034	0.084	10.7	46.9086	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	S6	17.001	S7	3.9	0.129	0.083	2.6090	
360 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
360 minute winter	S9	16.000	S5	2.3	-0.066	0.008	0.4149	
360 minute winter	S9	5.000	S12	-1.2	0.072	-0.014	1.6051	
360 minute winter	S9	2.000	S10	-1.3	0.088	-0.017	0.4935	
360 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
360 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
360 minute winter	S5	15.001	S7	6.3	0.106	0.152	3.3454	
360 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
360 minute winter	S7	15.002	S8	7.5	0.177	0.105	1.2449	
360 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
360 minute winter	S8	15.003	S20	7.7	0.166	0.138	2.1784	
360 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
360 minute winter	S20	1.009	S21	19.8	0.312	0.702	7.6367	
360 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
360 minute winter	S21	1.010	S23	20.8	0.373	0.370	1.8490	
360 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
360 minute winter	S22	25.000	S23	-0.5	-0.080	-0.017	5.6516	
360 minute winter	S23	1.011	S24	35.3	0.667	0.395	0.6727	
360 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
360 minute winter	S24	1.012	Pond In 2	39.6	0.900	0.308	0.2733	
360 minute winter	Pond In 2	Flow through pond	Pond Out	30.0	0.020	0.004	492.7925	
360 minute winter	Pond Out	34.000	Control MH	21.8	0.510	0.152	0.6338	
360 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	198.5
360 minute winter	PP1	1.000	S11	2.2	0.446	0.768	0.1501	
360 minute winter	PP2	15.000	S5	4.5	0.698	0.962	0.2454	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

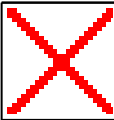
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +20% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	PP3	256	0.914	0.114	8.1	36.2383	0.0000	SURCHARGED
360 minute winter	PP4	352	1.045	0.107	30.5	215.7321	0.0000	SURCHARGED
360 minute winter	PP5	256	1.024	0.086	13.3	67.1586	0.0000	OK

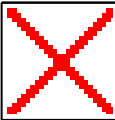
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	PP3	17.000	S6	3.1	0.445	1.284	0.2963	
360 minute winter	PP4	28.000	S2	3.7	0.522	1.101	0.4283	
360 minute winter	PP5	31.000	S3	4.6	0.709	0.984	0.2511	



Results for 100 year +20% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S3	280	0.518	0.168	9.3	0.1818	0.0000	OK
480 minute summer	S4	272	0.472	0.152	11.1	0.2690	0.0000	OK
480 minute summer	Pond In 1	640	0.336	0.331	11.1	0.0000	0.0000	OK
480 minute summer	S10	264	0.543	0.113	1.5	0.1223	0.0000	OK
480 minute summer	S11	264	0.543	0.123	2.0	0.1332	0.0000	OK
480 minute summer	S12	264	0.543	0.133	2.1	0.1903	0.0000	OK
480 minute summer	S13	264	0.543	0.133	0.1	0.1438	0.0000	OK
480 minute summer	S14	264	0.543	0.143	2.7	0.1980	0.0000	OK
480 minute summer	S15	264	0.543	0.153	4.0	0.2469	0.0000	OK
480 minute summer	S16	264	0.542	0.162	4.1	0.1749	0.0000	OK
480 minute summer	S17	264	0.542	0.172	5.0	0.2321	0.0000	OK
480 minute summer	S18	264	0.541	0.181	6.0	0.2446	0.0000	OK
480 minute summer	S19	264	0.540	0.190	6.0	0.2057	0.0000	OK
480 minute summer	S1	280	0.521	0.131	0.3	0.1416	0.0000	OK
480 minute summer	S2	280	0.521	0.141	5.5	0.1524	0.0000	OK

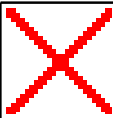
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S3	28.002	S4	9.3	0.186	0.330	2.1431	
480 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
480 minute summer	S4	28.003	Pond In 1	11.1	0.364	0.277	0.4393	
480 minute summer	Pond In 1	Flow through pond	Pond Out	29.1	0.016	0.004	448.7038	
480 minute summer	S10	2.001	S11	-1.5	-0.057	-0.010	0.1657	
480 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
480 minute summer	S11	1.001	S12	1.3	0.088	0.021	1.0229	
480 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
480 minute summer	S12	1.002	S14	2.2	0.094	0.021	0.3594	
480 minute summer	S13	8.000	S14	-0.1	-0.028	-0.001	0.5413	
480 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
480 minute summer	S14	1.003	S15	2.8	0.096	0.046	1.2247	
480 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
480 minute summer	S15	1.004	S16	4.1	0.131	0.078	1.7760	
480 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
480 minute summer	S16	1.005	S17	4.2	0.133	0.044	0.5891	
480 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
480 minute summer	S17	1.006	S18	5.1	0.121	0.049	0.5483	
480 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
480 minute summer	S18	1.007	S19	6.0	0.106	0.095	1.5350	
480 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
480 minute summer	S19	1.008	S20	6.2	0.095	0.132	2.9639	
480 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
480 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
480 minute summer	S1	30.000	S2	-0.3	-0.030	-0.006	2.5355	
480 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
480 minute summer	S2	18.000	S6	-2.8	-0.358	-1.512	0.0783	
480 minute summer	S2	32.000	S3	5.2	0.110	0.083	3.6628	



Results for 100 year +20% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S6	264	0.541	0.171	3.4	0.1849	0.0000	OK
480 minute summer	S9	264	0.543	0.103	2.6	0.1113	0.0000	OK
480 minute summer	S5	264	0.543	0.173	6.1	0.1869	0.0000	OK
480 minute summer	S7	264	0.541	0.181	6.9	0.1956	0.0000	OK
480 minute summer	S8	264	0.540	0.190	7.2	0.2055	0.0000	OK
480 minute summer	S20	264	0.539	0.199	18.7	0.5848	0.0000	OK
480 minute summer	S21	256	0.509	0.179	19.7	0.2372	0.0000	OK
480 minute summer	S22	256	0.496	0.166	0.6	0.2379	0.0000	OK
480 minute summer	S23	256	0.496	0.176	34.6	0.7867	0.0000	OK
480 minute summer	S24	256	0.462	0.152	38.8	0.3090	0.0000	OK
480 minute summer	Pond In 2	648	0.340	0.335	38.9	0.0000	0.0000	OK
480 minute summer	Pond Out	672	0.334	0.334	41.9	0.0000	0.0000	SURCHARGED
480 minute summer	Control MH	672	0.334	0.484	27.4	0.8546	0.0000	SURCHARGED
480 minute summer	Outfall	352	-0.645	0.045	6.9	0.0000	0.0000	OK
480 minute summer	1							
480 minute summer	PP1	272	0.899	0.069	3.1	5.8452	0.0000	OK
480 minute summer	PP2	296	1.027	0.077	11.4	40.9913	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	S6	17.001	S7	3.4	0.128	0.072	2.5233	
480 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
480 minute summer	S9	16.000	S5	2.3	0.060	0.008	0.3977	
480 minute summer	S9	5.000	S12	-1.2	0.066	-0.015	1.5252	
480 minute summer	S9	2.000	S10	-1.4	0.082	-0.017	0.4664	
480 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
480 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
480 minute summer	S5	15.001	S7	6.1	0.105	0.145	3.2366	
480 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
480 minute summer	S7	15.002	S8	7.2	0.170	0.100	1.2064	
480 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
480 minute summer	S8	15.003	S20	7.3	0.158	0.131	2.1147	
480 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
480 minute summer	S20	1.009	S21	18.8	0.306	0.666	7.4302	
480 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
480 minute summer	S21	1.010	S23	19.9	0.367	0.354	1.8180	
480 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
480 minute summer	S22	25.000	S23	-0.6	-0.063	-0.019	5.5745	
480 minute summer	S23	1.011	S24	34.5	0.662	0.387	0.6636	
480 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
480 minute summer	S24	1.012	Pond In 2	38.9	0.896	0.302	0.2697	
480 minute summer	Pond In 2	Flow through pond	Pond Out	29.1	0.016	0.004	448.7038	
480 minute summer	Pond Out	34.000	Control MH	27.4	0.695	0.191	0.6338	
480 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	231.9
480 minute summer	PP1	1.000	S11	2.0	0.440	0.725	0.1439	
480 minute summer	PP2	15.000	S5	4.1	0.691	0.890	0.2302	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

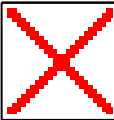
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +20% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	PP3	304	0.906	0.106	8.6	31.5972	0.0000	SURCHARGED
480 minute summer	PP4	416	1.035	0.097	32.5	190.8714	0.0000	OK
480 minute summer	PP5	304	1.016	0.078	14.1	59.1739	0.0000	OK

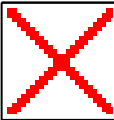
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	PP3	17.000	S6	2.9	0.435	1.218	0.2926	
480 minute summer	PP4	28.000	S2	3.4	0.521	1.024	0.4187	
480 minute summer	PP5	31.000	S3	4.3	0.703	0.908	0.2346	



Results for 100 year +20% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S3	296	0.518	0.168	9.3	0.1817	0.0000	OK
480 minute winter	S4	280	0.472	0.152	11.0	0.2679	0.0000	OK
480 minute winter	Pond In 1	664	0.386	0.381	11.0	0.0000	0.0000	OK
480 minute winter	S10	272	0.534	0.104	1.1	0.1124	0.0000	OK
480 minute winter	S11	272	0.534	0.114	1.9	0.1233	0.0000	OK
480 minute winter	S12	272	0.534	0.124	2.2	0.1773	0.0000	OK
480 minute winter	S13	272	0.534	0.124	0.1	0.1339	0.0000	OK
480 minute winter	S14	272	0.534	0.134	2.7	0.1853	0.0000	OK
480 minute winter	S15	272	0.534	0.144	3.9	0.2321	0.0000	OK
480 minute winter	S16	272	0.533	0.153	3.9	0.1650	0.0000	OK
480 minute winter	S17	272	0.532	0.162	4.7	0.2196	0.0000	OK
480 minute winter	S18	272	0.532	0.172	5.6	0.2321	0.0000	OK
480 minute winter	S19	272	0.531	0.181	5.6	0.1958	0.0000	OK
480 minute winter	S1	296	0.521	0.131	0.2	0.1413	0.0000	OK
480 minute winter	S2	296	0.521	0.141	5.1	0.1521	0.0000	OK

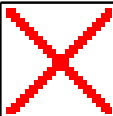
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S3	28.002	S4	9.3	0.186	0.331	2.1376	
480 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
480 minute winter	S4	28.003	Pond In 1	11.0	0.363	0.274	0.4365	
480 minute winter	Pond In 1	Flow through pond	Pond Out	26.5	0.019	0.003	521.5250	
480 minute winter	S10	2.001	S11	-1.1	0.056	-0.007	0.1480	
480 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
480 minute winter	S11	1.001	S12	1.2	0.080	0.020	0.9223	
480 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
480 minute winter	S12	1.002	S14	2.3	0.096	0.021	0.3267	
480 minute winter	S13	8.000	S14	-0.1	-0.036	-0.001	0.4921	
480 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
480 minute winter	S14	1.003	S15	2.7	0.098	0.045	1.1210	
480 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
480 minute winter	S15	1.004	S16	3.9	0.141	0.075	1.6351	
480 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
480 minute winter	S16	1.005	S17	4.0	0.138	0.041	0.5453	
480 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
480 minute winter	S17	1.006	S18	4.7	0.132	0.046	0.5100	
480 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
480 minute winter	S18	1.007	S19	5.6	0.122	0.088	1.4340	
480 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
480 minute winter	S19	1.008	S20	5.6	0.092	0.120	2.7796	
480 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
480 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
480 minute winter	S1	30.000	S2	-0.2	-0.038	-0.004	2.5285	
480 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
480 minute winter	S2	18.000	S6	-2.2	-0.287	-1.212	0.0783	
480 minute winter	S2	32.000	S3	5.0	0.106	0.080	3.6576	



Results for 100 year +20% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S6	272	0.532	0.162	3.6	0.1751	0.0000	OK
480 minute winter	S9	272	0.534	0.094	1.9	0.1015	0.0000	OK
480 minute winter	S5	272	0.534	0.164	5.5	0.1771	0.0000	OK
480 minute winter	S7	272	0.532	0.172	7.0	0.1859	0.0000	OK
480 minute winter	S8	272	0.531	0.181	7.2	0.1957	0.0000	OK
480 minute winter	S20	272	0.530	0.190	17.4	0.5578	0.0000	OK
480 minute winter	S21	264	0.498	0.168	18.1	0.2226	0.0000	OK
480 minute winter	S22	264	0.484	0.154	0.4	0.2200	0.0000	OK
480 minute winter	S23	264	0.484	0.164	30.0	0.7317	0.0000	OK
480 minute winter	S24	264	0.451	0.141	33.5	0.2867	0.0000	OK
480 minute winter	Pond In 2	672	0.385	0.380	33.5	0.0000	0.0000	OK
480 minute winter	Pond Out	680	0.385	0.385	41.2	0.0000	0.0000	SURCHARGED
480 minute winter	Control MH	680	0.384	0.534	24.3	0.9437	0.0000	SURCHARGED
480 minute winter	Outfall 1	320	-0.645	0.045	6.9	0.0000	0.0000	OK
480 minute winter	PP1	280	0.895	0.065	2.3	5.3227	0.0000	OK
480 minute winter	PP2	320	1.029	0.079	8.5	43.2554	0.0000	OK

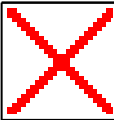
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S6	17.001	S7	3.6	0.130	0.077	2.3510	
480 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
480 minute winter	S9	16.000	S5	1.7	-0.059	0.006	0.3630	
480 minute winter	S9	5.000	S12	-0.9	0.069	-0.011	1.3634	
480 minute winter	S9	2.000	S10	-1.0	0.085	-0.013	0.4118	
480 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
480 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
480 minute winter	S5	15.001	S7	5.5	0.102	0.132	3.0162	
480 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
480 minute winter	S7	15.002	S8	7.2	0.173	0.100	1.1284	
480 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
480 minute winter	S8	15.003	S20	7.2	0.161	0.130	1.9840	
480 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
480 minute winter	S20	1.009	S21	17.4	0.301	0.617	6.9220	
480 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
480 minute winter	S21	1.010	S23	18.2	0.362	0.324	1.6588	
480 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
480 minute winter	S22	25.000	S23	-0.4	-0.070	-0.012	5.0341	
480 minute winter	S23	1.011	S24	30.0	0.636	0.336	0.6002	
480 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
480 minute winter	S24	1.012	Pond In 2	33.5	0.858	0.261	0.2426	
480 minute winter	Pond In 2	Flow through pond	Pond Out	26.5	0.019	0.003	521.5250	
480 minute winter	Pond Out	34.000	Control MH	24.3	0.462	0.169	0.6338	
480 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	236.6
480 minute winter	PP1	1.000	S11	1.9	0.431	0.666	0.1355	
480 minute winter	PP2	15.000	S5	4.3	0.695	0.919	0.2363	



Results for 100 year +20% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	PP3	320	0.910	0.110	6.4	33.4905	0.0000	SURCHARGED
480 minute winter	PP4	456	1.045	0.107	24.2	216.9155	0.0000	SURCHARGED
480 minute winter	PP5	328	1.021	0.083	10.5	63.7558	0.0000	OK

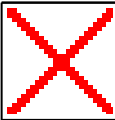
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	PP3	17.000	S6	3.0	0.439	1.259	0.2949	
480 minute winter	PP4	28.000	S2	3.7	0.522	1.105	0.4286	
480 minute winter	PP5	31.000	S3	4.5	0.708	0.955	0.2445	



Results for 100 year +20% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S3	345	0.514	0.164	8.8	0.1772	0.0000	OK
600 minute summer	S4	345	0.468	0.148	10.4	0.2622	0.0000	OK
600 minute summer	Pond In 1	735	0.346	0.341	10.4	0.0000	0.0000	OK
600 minute summer	S10	330	0.533	0.103	1.2	0.1113	0.0000	OK
600 minute summer	S11	330	0.533	0.113	1.8	0.1222	0.0000	OK
600 minute summer	S12	330	0.533	0.123	2.0	0.1758	0.0000	OK
600 minute summer	S13	330	0.533	0.123	0.1	0.1328	0.0000	OK
600 minute summer	S14	330	0.533	0.133	2.4	0.1839	0.0000	OK
600 minute summer	S15	330	0.533	0.143	3.6	0.2304	0.0000	OK
600 minute summer	S16	330	0.532	0.152	3.7	0.1639	0.0000	OK
600 minute summer	S17	330	0.531	0.161	4.6	0.2183	0.0000	OK
600 minute summer	S18	330	0.531	0.171	5.5	0.2308	0.0000	OK
600 minute summer	S19	330	0.530	0.180	5.5	0.1947	0.0000	OK
600 minute summer	S1	345	0.517	0.127	0.2	0.1370	0.0000	OK
600 minute summer	S2	345	0.517	0.137	5.1	0.1478	0.0000	OK

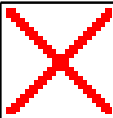
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S3	28.002	S4	8.8	0.182	0.313	2.0740	
600 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
600 minute summer	S4	28.003	Pond In 1	10.4	0.356	0.260	0.4229	
600 minute summer	Pond In 1	Flow through pond	Pond Out	24.4	0.015	0.003	463.3995	
600 minute summer	S10	2.001	S11	-1.2	-0.050	-0.008	0.1460	
600 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
600 minute summer	S11	1.001	S12	1.1	0.092	0.019	0.9109	
600 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
600 minute summer	S12	1.002	S14	2.1	0.095	0.019	0.3230	
600 minute summer	S13	8.000	S14	-0.1	-0.024	-0.001	0.4866	
600 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
600 minute summer	S14	1.003	S15	2.5	0.095	0.042	1.1095	
600 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
600 minute summer	S15	1.004	S16	3.7	0.123	0.071	1.6197	
600 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
600 minute summer	S16	1.005	S17	3.8	0.131	0.039	0.5406	
600 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
600 minute summer	S17	1.006	S18	4.6	0.120	0.044	0.5059	
600 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
600 minute summer	S18	1.007	S19	5.5	0.112	0.087	1.4234	
600 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
600 minute summer	S19	1.008	S20	5.5	0.091	0.118	2.7602	
600 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
600 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
600 minute summer	S1	30.000	S2	-0.2	-0.025	-0.005	2.4259	
600 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
600 minute summer	S2	18.000	S6	-2.4	-0.309	-1.306	0.0783	
600 minute summer	S2	32.000	S3	4.8	0.107	0.077	3.5271	



Results for 100 year +20% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S6	330	0.531	0.161	3.3	0.1740	0.0000	OK
600 minute summer	S9	330	0.533	0.093	2.1	0.1003	0.0000	OK
600 minute summer	S5	330	0.533	0.163	5.4	0.1760	0.0000	OK
600 minute summer	S7	330	0.531	0.171	6.6	0.1847	0.0000	OK
600 minute summer	S8	330	0.530	0.180	6.8	0.1946	0.0000	OK
600 minute summer	S20	330	0.529	0.189	17.0	0.5549	0.0000	OK
600 minute summer	S21	330	0.497	0.167	17.8	0.2218	0.0000	OK
600 minute summer	S22	315	0.484	0.154	0.4	0.2210	0.0000	OK
600 minute summer	S23	315	0.484	0.164	30.5	0.7346	0.0000	OK
600 minute summer	S24	315	0.452	0.142	34.0	0.2889	0.0000	OK
600 minute summer	Pond In 2	690	0.350	0.345	34.0	0.0000	0.0000	OK
600 minute summer	Pond Out	720	0.344	0.344	30.4	0.0000	0.0000	SURCHARGED
600 minute summer	Control MH	720	0.344	0.494	25.1	0.8724	0.0000	SURCHARGED
600 minute summer	Outfall	420	-0.645	0.045	6.9	0.0000	0.0000	OK
600 minute summer	1							
600 minute summer	PP1	330	0.894	0.064	2.5	5.1650	0.0000	OK
600 minute summer	PP2	375	1.024	0.074	9.2	38.5632	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	S6	17.001	S7	3.3	0.129	0.071	2.3304	
600 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
600 minute summer	S9	16.000	S5	1.9	0.057	0.007	0.3589	
600 minute summer	S9	5.000	S12	-1.0	0.058	-0.012	1.3447	
600 minute summer	S9	2.000	S10	-1.1	0.075	-0.014	0.4056	
600 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
600 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
600 minute summer	S5	15.001	S7	5.4	0.102	0.131	2.9901	
600 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
600 minute summer	S7	15.002	S8	6.8	0.168	0.094	1.1194	
600 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
600 minute summer	S8	15.003	S20	6.9	0.155	0.124	1.9698	
600 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
600 minute summer	S20	1.009	S21	17.1	0.297	0.604	6.8894	
600 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
600 minute summer	S21	1.010	S23	17.9	0.357	0.319	1.6527	
600 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
600 minute summer	S22	25.000	S23	-0.4	-0.057	-0.014	5.0627	
600 minute summer	S23	1.011	S24	30.0	0.636	0.336	0.6049	
600 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
600 minute summer	S24	1.012	Pond In 2	34.0	0.862	0.265	0.2452	
600 minute summer	Pond In 2	Flow through pond	Pond Out	24.4	0.015	0.003	463.3995	
600 minute summer	Pond Out	34.000	Control MH	25.1	0.589	0.175	0.6338	
600 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	267.1
600 minute summer	PP1	1.000	S11	1.8	0.428	0.648	0.1328	
600 minute summer	PP2	15.000	S5	4.0	0.686	0.855	0.2230	



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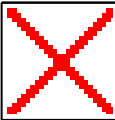
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +20% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.73%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	PP3	375	0.903	0.103	7.0	29.8051	0.0000	SURCHARGED
600 minute summer	PP4	480	1.035	0.097	26.3	190.5949	0.0000	OK
600 minute summer	PP5	375	1.014	0.076	11.4	56.9796	0.0000	OK

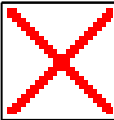
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	PP3	17.000	S6	2.8	0.430	1.176	0.2902	
600 minute summer	PP4	28.000	S2	3.4	0.521	1.024	0.4185	
600 minute summer	PP5	31.000	S3	4.2	0.700	0.883	0.2295	



Results for 100 year +20% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S3	375	0.513	0.163	8.7	0.1761	0.0000	OK
600 minute winter	S4	360	0.467	0.147	10.2	0.2598	0.0000	OK
600 minute winter	Pond In 1	750	0.396	0.391	10.2	0.0000	0.0000	OK
600 minute winter	S10	345	0.524	0.094	0.8	0.1017	0.0000	OK
600 minute winter	S11	345	0.524	0.104	1.6	0.1125	0.0000	OK
600 minute winter	S12	345	0.524	0.114	2.0	0.1630	0.0000	OK
600 minute winter	S13	345	0.524	0.114	0.0	0.1231	0.0000	OK
600 minute winter	S14	345	0.524	0.124	2.5	0.1715	0.0000	OK
600 minute winter	S15	345	0.524	0.134	3.5	0.2157	0.0000	OK
600 minute winter	S16	345	0.522	0.142	3.6	0.1538	0.0000	OK
600 minute winter	S17	345	0.522	0.152	4.2	0.2056	0.0000	OK
600 minute winter	S18	345	0.522	0.162	4.9	0.2182	0.0000	OK
600 minute winter	S19	345	0.521	0.171	4.9	0.1846	0.0000	OK
600 minute winter	S1	360	0.516	0.126	0.1	0.1356	0.0000	OK
600 minute winter	S2	360	0.516	0.136	4.7	0.1464	0.0000	OK

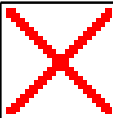
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S3	28.002	S4	8.7	0.182	0.311	2.0520	
600 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
600 minute winter	S4	28.003	Pond In 1	10.2	0.353	0.255	0.4172	
600 minute winter	Pond In 1	Flow through pond	Pond Out	23.5	0.017	0.003	535.8882	
600 minute winter	S10	2.001	S11	-0.8	0.052	-0.006	0.1292	
600 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
600 minute winter	S11	1.001	S12	1.1	0.075	0.018	0.8151	
600 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
600 minute winter	S12	1.002	S14	2.1	0.092	0.019	0.2917	
600 minute winter	S13	8.000	S14	0.0	-0.027	0.000	0.4393	
600 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
600 minute winter	S14	1.003	S15	2.6	0.098	0.042	1.0094	
600 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
600 minute winter	S15	1.004	S16	3.6	0.143	0.068	1.4812	
600 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
600 minute winter	S16	1.005	S17	3.6	0.138	0.037	0.4969	
600 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
600 minute winter	S17	1.006	S18	4.2	0.120	0.041	0.4677	
600 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
600 minute winter	S18	1.007	S19	4.9	0.108	0.078	1.3223	
600 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
600 minute winter	S19	1.008	S20	5.0	0.087	0.106	2.5757	
600 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
600 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
600 minute winter	S1	30.000	S2	-0.1	-0.030	-0.003	2.3932	
600 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
600 minute winter	S2	18.000	S6	-1.8	0.278	-0.985	0.0783	
600 minute winter	S2	32.000	S3	4.6	0.102	0.073	3.4896	



Results for 100 year +20% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S6	345	0.522	0.152	3.5	0.1644	0.0000	OK
600 minute winter	S9	345	0.524	0.084	1.4	0.0907	0.0000	OK
600 minute winter	S5	345	0.524	0.154	4.9	0.1664	0.0000	OK
600 minute winter	S7	345	0.522	0.162	6.8	0.1751	0.0000	OK
600 minute winter	S8	345	0.521	0.171	6.9	0.1848	0.0000	OK
600 minute winter	S20	345	0.520	0.180	15.6	0.5277	0.0000	OK
600 minute winter	S21	330	0.487	0.157	16.2	0.2088	0.0000	OK
600 minute winter	S22	330	0.473	0.143	0.3	0.2049	0.0000	OK
600 minute winter	S23	330	0.473	0.153	26.3	0.6846	0.0000	OK
600 minute winter	S24	330	0.442	0.132	29.2	0.2677	0.0000	OK
600 minute winter	Pond In 2	780	0.395	0.390	29.2	0.0000	0.0000	OK
600 minute winter	Pond Out	765	0.394	0.394	36.2	0.0000	0.0000	SURCHARGED
600 minute winter	Control MH	765	0.394	0.544	35.2	0.9610	0.0000	SURCHARGED
600 minute winter	Outfall 1	390	-0.645	0.045	6.9	0.0000	0.0000	OK
600 minute winter	PP1	345	0.890	0.060	1.9	4.5761	0.0000	OK
600 minute winter	PP2	390	1.025	0.075	7.0	39.6945	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	S6	17.001	S7	3.6	0.129	0.075	2.1633	
600 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
600 minute winter	S9	16.000	S5	1.3	-0.052	0.005	0.3257	
600 minute winter	S9	5.000	S12	0.7	0.066	0.009	1.1911	
600 minute winter	S9	2.000	S10	-0.8	0.081	-0.010	0.3541	
600 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
600 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
600 minute winter	S5	15.001	S7	4.9	0.099	0.118	2.7763	
600 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
600 minute winter	S7	15.002	S8	6.9	0.169	0.096	1.0431	
600 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
600 minute winter	S8	15.003	S20	6.9	0.157	0.125	1.8400	
600 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
600 minute winter	S20	1.009	S21	15.6	0.292	0.554	6.3872	
600 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
600 minute winter	S21	1.010	S23	16.3	0.352	0.290	1.5180	
600 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
600 minute winter	S22	25.000	S23	-0.3	-0.061	-0.009	4.5817	
600 minute winter	S23	1.011	S24	26.3	0.611	0.294	0.5471	
600 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
600 minute winter	S24	1.012	Pond In 2	29.2	0.823	0.227	0.2203	
600 minute winter	Pond In 2	Flow through pond	Pond Out	23.5	0.017	0.003	535.8882	
600 minute winter	Pond Out	34.000	Control MH	35.2	0.708	0.245	0.6338	
600 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	271.9
600 minute winter	PP1	1.000	S11	1.6	0.416	0.582	0.1228	
600 minute winter	PP2	15.000	S5	4.0	0.688	0.872	0.2264	



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13 Gostwick
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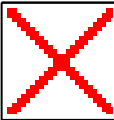
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +20% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	PP3	390	0.905	0.105	5.3	30.8703	0.0000	SURCHARGED
600 minute winter	PP4	495	1.045	0.107	20.1	215.7845	0.0000	SURCHARGED
600 minute winter	PP5	405	1.017	0.079	8.7	60.2123	0.0000	OK

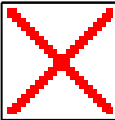
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	PP3	17.000	S6	2.9	0.433	1.201	0.2916	
600 minute winter	PP4	28.000	S2	3.7	0.522	1.101	0.4283	
600 minute winter	PP5	31.000	S3	4.3	0.705	0.920	0.2370	



Results for 100 year +20% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S3	405	0.510	0.160	8.4	0.1729	0.0000	OK
720 minute summer	S4	405	0.465	0.145	9.9	0.2562	0.0000	OK
720 minute summer	Pond In 1	825	0.352	0.347	9.9	0.0000	0.0000	OK
720 minute summer	S10	390	0.525	0.095	1.0	0.1025	0.0000	OK
720 minute summer	S11	390	0.525	0.105	1.7	0.1134	0.0000	OK
720 minute summer	S12	390	0.525	0.115	1.9	0.1641	0.0000	OK
720 minute summer	S13	390	0.525	0.115	0.1	0.1240	0.0000	OK
720 minute summer	S14	390	0.525	0.125	2.4	0.1726	0.0000	OK
720 minute summer	S15	390	0.524	0.134	3.4	0.2172	0.0000	OK
720 minute summer	S16	390	0.523	0.143	3.5	0.1550	0.0000	OK
720 minute summer	S17	390	0.523	0.153	4.2	0.2071	0.0000	OK
720 minute summer	S18	390	0.523	0.163	5.0	0.2197	0.0000	OK
720 minute summer	S19	390	0.522	0.172	5.0	0.1858	0.0000	OK
720 minute summer	S1	405	0.513	0.123	0.2	0.1327	0.0000	OK
720 minute summer	S2	405	0.513	0.133	4.8	0.1434	0.0000	OK

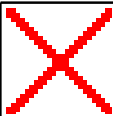
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S3	28.002	S4	8.4	0.179	0.299	2.0074	
720 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
720 minute summer	S4	28.003	Pond In 1	9.9	0.349	0.247	0.4089	
720 minute summer	Pond In 1	Flow through pond	Pond Out	24.3	0.014	0.003	471.6702	
720 minute summer	S10	2.001	S11	-1.0	-0.048	-0.007	0.1306	
720 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
720 minute summer	S11	1.001	S12	1.1	0.092	0.017	0.8235	
720 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
720 minute summer	S12	1.002	S14	2.0	0.096	0.018	0.2945	
720 minute summer	S13	8.000	S14	-0.1	-0.024	-0.001	0.4436	
720 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
720 minute summer	S14	1.003	S15	2.5	0.092	0.040	1.0189	
720 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
720 minute summer	S15	1.004	S16	3.5	0.124	0.066	1.4959	
720 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
720 minute summer	S16	1.005	S17	3.5	0.132	0.037	0.5019	
720 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
720 minute summer	S17	1.006	S18	4.2	0.122	0.041	0.4721	
720 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
720 minute summer	S18	1.007	S19	5.0	0.119	0.079	1.3342	
720 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
720 minute summer	S19	1.008	S20	5.0	0.088	0.108	2.5977	
720 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
720 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
720 minute summer	S1	30.000	S2	-0.2	-0.024	-0.004	2.3239	
720 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
720 minute summer	S2	18.000	S6	-2.1	0.277	-1.143	0.0783	
720 minute summer	S2	32.000	S3	4.6	0.104	0.073	3.3997	



Results for 100 year +20% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S6	390	0.523	0.153	3.3	0.1652	0.0000	OK
720 minute summer	S9	390	0.525	0.085	1.7	0.0915	0.0000	OK
720 minute summer	S5	390	0.525	0.155	4.9	0.1672	0.0000	OK
720 minute summer	S7	390	0.523	0.163	6.4	0.1759	0.0000	OK
720 minute summer	S8	390	0.522	0.172	6.5	0.1858	0.0000	OK
720 minute summer	S20	390	0.521	0.181	15.6	0.5309	0.0000	OK
720 minute summer	S21	390	0.490	0.160	16.3	0.2119	0.0000	OK
720 minute summer	S22	375	0.477	0.147	0.3	0.2098	0.0000	OK
720 minute summer	S23	375	0.477	0.157	27.6	0.6997	0.0000	OK
720 minute summer	S24	375	0.445	0.135	30.8	0.2750	0.0000	OK
720 minute summer	Pond In 2	930	0.357	0.352	30.7	0.0000	0.0000	OK
720 minute summer	Pond Out	825	0.350	0.350	41.2	0.0000	0.0000	SURCHARGED
720 minute summer	Control MH	825	0.350	0.500	14.9	0.8829	0.0000	SURCHARGED
720 minute summer	Outfall	480	-0.645	0.045	6.9	0.0000	0.0000	OK
720 minute summer	1							
720 minute summer	PP1	390	0.890	0.060	2.2	4.6513	0.0000	OK
720 minute summer	PP2	435	1.021	0.071	8.1	36.4482	0.0000	OK

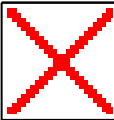
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S6	17.001	S7	3.3	0.130	0.070	2.1770	
720 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
720 minute summer	S9	16.000	S5	1.6	0.050	0.006	0.3284	
720 minute summer	S9	5.000	S12	-0.8	0.050	-0.010	1.2042	
720 minute summer	S9	2.000	S10	-0.9	-0.068	-0.012	0.3584	
720 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
720 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
720 minute summer	S5	15.001	S7	4.9	0.099	0.119	2.7943	
720 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
720 minute summer	S7	15.002	S8	6.5	0.164	0.091	1.0501	
720 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
720 minute summer	S8	15.003	S20	6.6	0.151	0.118	1.8543	
720 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
720 minute summer	S20	1.009	S21	15.6	0.289	0.552	6.4853	
720 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
720 minute summer	S21	1.010	S23	16.4	0.349	0.291	1.5487	
720 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
720 minute summer	S22	25.000	S23	-0.3	-0.052	-0.011	4.7259	
720 minute summer	S23	1.011	S24	27.3	0.617	0.305	0.5656	
720 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
720 minute summer	S24	1.012	Pond In 2	30.7	0.835	0.239	0.2289	
720 minute summer	Pond In 2	Flow through pond	Pond Out	24.3	0.014	0.003	471.6702	
720 minute summer	Pond Out	34.000	Control MH	-18.5	-0.391	-0.129	0.6338	
720 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	304.9
720 minute summer	PP1	1.000	S11	1.7	0.418	0.591	0.1241	
720 minute summer	PP2	15.000	S5	3.8	0.680	0.822	0.2163	



Results for 100 year +20% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	PP3	435	0.900	0.100	6.1	28.0473	0.0000	SURCHARGED
720 minute summer	PP4	540	1.035	0.097	23.1	190.0228	0.0000	OK
720 minute summer	PP5	450	1.012	0.074	10.1	54.6988	0.0000	OK

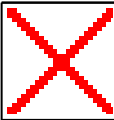
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	PP3	17.000	S6	2.7	0.425	1.132	0.2876	
720 minute summer	PP4	28.000	S2	3.4	0.521	1.022	0.4182	
720 minute summer	PP5	31.000	S3	4.0	0.696	0.855	0.2238	



Results for 100 year +20% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S3	435	0.509	0.159	8.3	0.1715	0.0000	OK
720 minute winter	S4	420	0.463	0.143	9.6	0.2529	0.0000	OK
720 minute winter	Pond In 1	825	0.403	0.398	9.6	0.0000	0.0000	OK
720 minute winter	S10	405	0.516	0.086	0.7	0.0933	0.0000	OK
720 minute winter	S11	405	0.516	0.096	1.5	0.1041	0.0000	OK
720 minute winter	S12	405	0.516	0.106	1.9	0.1518	0.0000	OK
720 minute winter	S13	405	0.516	0.106	0.0	0.1146	0.0000	OK
720 minute winter	S14	405	0.516	0.116	2.4	0.1606	0.0000	OK
720 minute winter	S15	405	0.516	0.126	3.3	0.2030	0.0000	OK
720 minute winter	S16	405	0.515	0.135	3.3	0.1453	0.0000	OK
720 minute winter	S17	405	0.514	0.144	3.9	0.1949	0.0000	OK
720 minute winter	S18	405	0.514	0.154	4.5	0.2075	0.0000	OK
720 minute winter	S19	405	0.513	0.163	4.5	0.1761	0.0000	OK
720 minute winter	S1	435	0.511	0.121	0.1	0.1308	0.0000	OK
720 minute winter	S2	435	0.511	0.131	4.3	0.1416	0.0000	OK

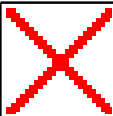
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S3	28.002	S4	8.3	0.178	0.294	1.9739	
720 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
720 minute winter	S4	28.003	Pond In 1	9.6	0.345	0.239	0.4012	
720 minute winter	Pond In 1	Flow through pond	Pond Out	22.0	0.016	0.003	546.1192	
720 minute winter	S10	2.001	S11	-0.7	0.046	-0.005	0.1150	
720 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
720 minute winter	S11	1.001	S12	1.0	0.094	0.017	0.7338	
720 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
720 minute winter	S12	1.002	S14	2.0	0.098	0.018	0.2651	
720 minute winter	S13	8.000	S14	0.0	-0.025	0.000	0.3991	
720 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
720 minute winter	S14	1.003	S15	2.4	0.092	0.039	0.9242	
720 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
720 minute winter	S15	1.004	S16	3.3	0.125	0.063	1.3645	
720 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
720 minute winter	S16	1.005	S17	3.3	0.131	0.035	0.4603	
720 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
720 minute winter	S17	1.006	S18	3.9	0.120	0.038	0.4356	
720 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
720 minute winter	S18	1.007	S19	4.5	0.106	0.071	1.2378	
720 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
720 minute winter	S19	1.008	S20	4.5	0.084	0.097	2.4219	
720 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
720 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
720 minute winter	S1	30.000	S2	-0.1	-0.029	-0.002	2.2805	
720 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
720 minute winter	S2	18.000	S6	1.7	0.280	0.894	0.0783	
720 minute winter	S2	32.000	S3	4.3	0.099	0.068	3.3505	



Results for 100 year +20% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S6	405	0.515	0.145	3.4	0.1562	0.0000	OK
720 minute winter	S9	405	0.516	0.076	1.1	0.0824	0.0000	OK
720 minute winter	S5	405	0.516	0.146	4.4	0.1580	0.0000	OK
720 minute winter	S7	405	0.514	0.154	6.4	0.1668	0.0000	OK
720 minute winter	S8	405	0.513	0.163	6.5	0.1764	0.0000	OK
720 minute winter	S20	405	0.512	0.172	14.3	0.5048	0.0000	OK
720 minute winter	S21	405	0.480	0.150	14.9	0.1986	0.0000	OK
720 minute winter	S22	390	0.465	0.135	0.2	0.1935	0.0000	OK
720 minute winter	S23	390	0.465	0.145	23.6	0.6490	0.0000	OK
720 minute winter	S24	390	0.435	0.125	26.2	0.2535	0.0000	OK
720 minute winter	Pond In 2	750	0.402	0.398	26.2	0.0000	0.0000	OK
720 minute winter	Pond Out	840	0.401	0.401	30.2	0.0000	0.0000	SURCHARGED
720 minute winter	Control MH	840	0.401	0.551	30.8	0.9736	0.0000	SURCHARGED
720 minute winter	Outfall 1	450	-0.645	0.045	6.9	0.0000	0.0000	OK
720 minute winter	PP1	405	0.886	0.056	1.6	4.0415	0.0000	OK
720 minute winter	PP2	465	1.022	0.072	6.1	36.7608	0.0000	OK

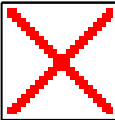
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S6	17.001	S7	3.5	0.127	0.074	2.0196	
720 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
720 minute winter	S9	16.000	S5	1.1	-0.048	0.004	0.2973	
720 minute winter	S9	5.000	S12	0.7	0.058	0.008	1.0608	
720 minute winter	S9	2.000	S10	-0.7	0.072	-0.008	0.3106	
720 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
720 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
720 minute winter	S5	15.001	S7	4.4	0.095	0.106	2.5917	
720 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
720 minute winter	S7	15.002	S8	6.5	0.166	0.091	0.9779	
720 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
720 minute winter	S8	15.003	S20	6.6	0.153	0.118	1.7310	
720 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
720 minute winter	S20	1.009	S21	14.3	0.285	0.508	6.0029	
720 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
720 minute winter	S21	1.010	S23	14.9	0.347	0.265	1.4130	
720 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
720 minute winter	S22	25.000	S23	-0.2	-0.057	-0.007	4.2449	
720 minute winter	S23	1.011	S24	23.6	0.592	0.264	0.5076	
720 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
720 minute winter	S24	1.012	Pond In 2	26.2	0.800	0.204	0.2036	
720 minute winter	Pond In 2	Flow through pond	Pond Out	22.0	0.016	0.003	546.1192	
720 minute winter	Pond Out	34.000	Control MH	30.8	0.590	0.214	0.6338	
720 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	310.6
720 minute winter	PP1	1.000	S11	1.5	0.404	0.522	0.1135	
720 minute winter	PP2	15.000	S5	3.8	0.681	0.827	0.2173	



Results for 100 year +20% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	PP3	465	0.901	0.101	4.6	28.4869	0.0000	SURCHARGED
720 minute winter	PP4	570	1.044	0.106	17.4	214.3772	0.0000	SURCHARGED
720 minute winter	PP5	480	1.014	0.076	7.6	56.9352	0.0000	OK

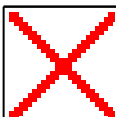
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	PP3	17.000	S6	2.8	0.426	1.143	0.2883	
720 minute winter	PP4	28.000	S2	3.7	0.521	1.097	0.4278	
720 minute winter	PP5	31.000	S3	4.2	0.700	0.883	0.2294	



Results for 100 year +20% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S3	540	0.504	0.154	7.7	0.1659	0.0000	OK
960 minute summer	S4	525	0.459	0.139	8.9	0.2456	0.0000	OK
960 minute summer	Pond In 1	1005	0.355	0.350	8.9	0.0000	0.0000	OK
960 minute summer	S10	510	0.513	0.083	0.7	0.0900	0.0000	OK
960 minute summer	S11	510	0.513	0.093	1.4	0.1009	0.0000	OK
960 minute summer	S12	510	0.513	0.103	1.7	0.1475	0.0000	OK
960 minute summer	S13	510	0.513	0.103	0.0	0.1114	0.0000	OK
960 minute summer	S14	510	0.513	0.113	2.2	0.1565	0.0000	OK
960 minute summer	S15	510	0.513	0.123	3.0	0.1983	0.0000	OK
960 minute summer	S16	510	0.512	0.132	3.1	0.1423	0.0000	OK
960 minute summer	S17	510	0.511	0.141	3.7	0.1912	0.0000	OK
960 minute summer	S18	510	0.511	0.151	4.4	0.2039	0.0000	OK
960 minute summer	S19	510	0.510	0.160	4.4	0.1732	0.0000	OK
960 minute summer	S1	540	0.506	0.116	0.1	0.1254	0.0000	OK
960 minute summer	S2	540	0.506	0.126	4.3	0.1362	0.0000	OK

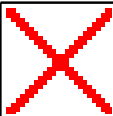
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S3	28.002	S4	7.7	0.173	0.273	1.8929	
960 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
960 minute summer	S4	28.003	Pond In 1	8.9	0.336	0.223	0.3845	
960 minute summer	Pond In 1	Flow through pond	Pond Out	20.0	0.013	0.003	476.0253	
960 minute summer	S10	2.001	S11	-0.7	-0.042	-0.005	0.1095	
960 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
960 minute summer	S11	1.001	S12	0.9	0.091	0.015	0.7029	
960 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
960 minute summer	S12	1.002	S14	1.8	0.095	0.016	0.2550	
960 minute summer	S13	8.000	S14	0.0	-0.017	0.000	0.3841	
960 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
960 minute summer	S14	1.003	S15	2.2	0.092	0.036	0.8930	
960 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
960 minute summer	S15	1.004	S16	3.1	0.117	0.058	1.3235	
960 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
960 minute summer	S16	1.005	S17	3.1	0.123	0.032	0.4478	
960 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
960 minute summer	S17	1.006	S18	3.7	0.114	0.036	0.4247	
960 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
960 minute summer	S18	1.007	S19	4.4	0.113	0.069	1.2088	
960 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
960 minute summer	S19	1.008	S20	4.3	0.083	0.093	2.3682	
960 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
960 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
960 minute summer	S1	30.000	S2	-0.1	-0.019	-0.003	2.1539	
960 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
960 minute summer	S2	18.000	S6	-1.6	0.276	-0.892	0.0783	
960 minute summer	S2	32.000	S3	4.1	0.101	0.066	3.1899	



Results for 100 year +20% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S6	510	0.511	0.141	3.1	0.1527	0.0000	OK
960 minute summer	S9	510	0.513	0.073	1.3	0.0790	0.0000	OK
960 minute summer	S5	510	0.513	0.143	4.3	0.1546	0.0000	OK
960 minute summer	S7	510	0.511	0.151	6.0	0.1634	0.0000	OK
960 minute summer	S8	510	0.510	0.160	6.1	0.1732	0.0000	OK
960 minute summer	S20	510	0.509	0.169	13.7	0.4967	0.0000	OK
960 minute summer	S21	510	0.478	0.148	14.3	0.1966	0.0000	OK
960 minute summer	S22	495	0.464	0.134	0.2	0.1919	0.0000	OK
960 minute summer	S23	495	0.464	0.144	23.4	0.6439	0.0000	OK
960 minute summer	S24	495	0.434	0.124	25.9	0.2521	0.0000	OK
960 minute summer	Pond In 2	1020	0.360	0.355	25.9	0.0000	0.0000	OK
960 minute summer	Pond Out	1005	0.353	0.353	25.3	0.0000	0.0000	SURCHARGED
960 minute summer	Control MH	1005	0.353	0.503	30.0	0.8881	0.0000	SURCHARGED
960 minute summer	Outfall	600	-0.645	0.045	6.9	0.0000	0.0000	OK
960 minute summer	1							
960 minute summer	PP1	510	0.885	0.055	1.8	3.9194	0.0000	OK
960 minute summer	PP2	555	1.017	0.067	6.5	32.5020	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	S6	17.001	S7	3.2	0.129	0.067	1.9607	
960 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
960 minute summer	S9	16.000	S5	1.2	-0.044	0.004	0.2861	
960 minute summer	S9	5.000	S12	0.6	0.049	0.007	1.0109	
960 minute summer	S9	2.000	S10	-0.7	-0.063	-0.009	0.2938	
960 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
960 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
960 minute summer	S5	15.001	S7	4.3	0.095	0.103	2.5180	
960 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
960 minute summer	S7	15.002	S8	6.1	0.155	0.085	0.9523	
960 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
960 minute summer	S8	15.003	S20	6.1	0.143	0.110	1.6910	
960 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
960 minute summer	S20	1.009	S21	13.7	0.279	0.485	5.8945	
960 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
960 minute summer	S21	1.010	S23	14.3	0.338	0.255	1.3958	
960 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
960 minute summer	S22	25.000	S23	-0.2	-0.047	-0.007	4.1966	
960 minute summer	S23	1.011	S24	23.2	0.589	0.260	0.5029	
960 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
960 minute summer	S24	1.012	Pond In 2	25.9	0.798	0.202	0.2020	
960 minute summer	Pond In 2	Flow through pond	Pond Out	20.0	0.013	0.003	476.0253	
960 minute summer	Pond Out	34.000	Control MH	30.0	0.603	0.209	0.6338	
960 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	380.8
960 minute summer	PP1	1.000	S11	1.4	0.401	0.508	0.1114	
960 minute summer	PP2	15.000	S5	3.5	0.667	0.758	0.2033	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

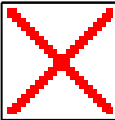
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +20% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	PP3	570	0.894	0.094	4.9	24.8990	0.0000	OK
960 minute summer	PP4	675	1.034	0.096	18.6	188.1018	0.0000	OK
960 minute summer	PP5	570	1.008	0.070	8.1	50.5439	0.0000	OK

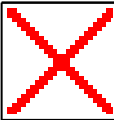
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	PP3	17.000	S6	2.5	0.416	1.048	0.2786	
960 minute summer	PP4	28.000	S2	3.4	0.521	1.016	0.4166	
960 minute summer	PP5	31.000	S3	3.8	0.685	0.800	0.2126	



Results for 100 year +20% CC 960 minute winter. 1200 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	S3	570	0.501	0.151	7.4	0.1630	0.0000	OK
960 minute winter	S4	540	0.456	0.136	8.5	0.2406	0.0000	OK
960 minute winter	Pond In 1	1005	0.410	0.405	8.5	0.0000	0.0000	OK
960 minute winter	S10	540	0.505	0.075	0.5	0.0815	0.0000	OK
960 minute winter	S11	540	0.506	0.086	1.2	0.0924	0.0000	OK
960 minute winter	S12	540	0.505	0.095	1.7	0.1362	0.0000	OK
960 minute winter	S13	540	0.505	0.095	0.0	0.1028	0.0000	OK
960 minute winter	S14	540	0.505	0.105	2.1	0.1454	0.0000	OK
960 minute winter	S15	540	0.505	0.115	2.9	0.1851	0.0000	OK
960 minute winter	S16	540	0.503	0.123	3.0	0.1333	0.0000	OK
960 minute winter	S17	540	0.503	0.133	3.4	0.1799	0.0000	OK
960 minute winter	S18	540	0.503	0.143	3.9	0.1925	0.0000	OK
960 minute winter	S19	540	0.502	0.152	3.9	0.1641	0.0000	OK
960 minute winter	S1	570	0.503	0.113	0.1	0.1222	0.0000	OK
960 minute winter	S2	570	0.503	0.123	3.9	0.1330	0.0000	OK

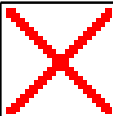
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S3	28.002	S4	7.4	0.172	0.264	1.8443	
960 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
960 minute winter	S4	28.003	Pond In 1	8.5	0.330	0.212	0.3923	
960 minute winter	Pond In 1	Flow through pond	Pond Out	19.1	0.014	0.002	555.5181	
960 minute winter	S10	2.001	S11	-0.5	-0.038	-0.003	0.0958	
960 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
960 minute winter	S11	1.001	S12	0.9	0.089	0.014	0.6238	
960 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
960 minute winter	S12	1.002	S14	1.7	0.091	0.016	0.2288	
960 minute winter	S13	8.000	S14	0.0	-0.026	0.000	0.3445	
960 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
960 minute winter	S14	1.003	S15	2.1	0.086	0.035	0.8078	
960 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
960 minute winter	S15	1.004	S16	3.0	0.124	0.056	1.2047	
960 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
960 minute winter	S16	1.005	S17	3.0	0.130	0.031	0.4100	
960 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
960 minute winter	S17	1.006	S18	3.4	0.117	0.033	0.3913	
960 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
960 minute winter	S18	1.007	S19	3.9	0.106	0.061	1.1203	
960 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
960 minute winter	S19	1.008	S20	3.9	0.079	0.083	2.2067	
960 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
960 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
960 minute winter	S1	30.000	S2	-0.1	-0.025	-0.002	2.0805	
960 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
960 minute winter	S2	18.000	S6	1.6	0.279	0.883	0.0783	
960 minute winter	S2	32.000	S3	3.8	0.095	0.060	3.1009	



Results for 100 year +20% CC 960 minute winter. 1200 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	S6	540	0.504	0.134	3.2	0.1448	0.0000	OK
960 minute winter	S9	540	0.505	0.065	0.8	0.0706	0.0000	OK
960 minute winter	S5	540	0.505	0.135	3.8	0.1462	0.0000	OK
960 minute winter	S7	540	0.504	0.144	6.0	0.1552	0.0000	OK
960 minute winter	S8	540	0.502	0.152	6.0	0.1647	0.0000	OK
960 minute winter	S20	540	0.501	0.161	12.5	0.4723	0.0000	OK
960 minute winter	S21	525	0.469	0.139	12.9	0.1841	0.0000	OK
960 minute winter	S22	525	0.454	0.124	0.7	0.1770	0.0000	OK
960 minute winter	S23	525	0.454	0.134	20.0	0.5975	0.0000	OK
960 minute winter	S24	510	0.424	0.114	22.0	0.2329	0.0000	OK
960 minute winter	Pond In 2	945	0.411	0.406	22.0	0.0000	0.0000	OK
960 minute winter	Pond Out	1005	0.408	0.408	28.7	0.0000	0.0000	SURCHARGED
960 minute winter	Control MH	1005	0.407	0.557	30.4	0.9848	0.0000	SURCHARGED
960 minute winter	Outfall 1	570	-0.645	0.045	6.9	0.0000	0.0000	OK
960 minute winter	PP1	525	0.880	0.050	1.3	3.2702	0.0000	OK
960 minute winter	PP2	585	1.016	0.066	4.8	31.5037	0.0000	OK

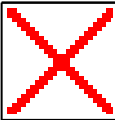
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S6	17.001	S7	3.3	0.123	0.069	1.8236	
960 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
960 minute winter	S9	16.000	S5	0.7	-0.043	0.003	0.2587	
960 minute winter	S9	5.000	S12	0.5	0.049	0.007	0.8858	
960 minute winter	S9	2.000	S10	-0.5	-0.063	-0.006	0.2524	
960 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
960 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
960 minute winter	S5	15.001	S7	3.8	0.091	0.090	2.3379	
960 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
960 minute winter	S7	15.002	S8	6.0	0.156	0.084	0.8878	
960 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
960 minute winter	S8	15.003	S20	6.0	0.143	0.109	1.5788	
960 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
960 minute winter	S20	1.009	S21	12.5	0.275	0.444	5.4466	
960 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
960 minute winter	S21	1.010	S23	13.0	0.335	0.231	1.2667	
960 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
960 minute winter	S22	25.000	S23	-0.7	-0.043	-0.022	3.7672	
960 minute winter	S23	1.011	S24	20.0	0.563	0.224	0.4516	
960 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
960 minute winter	S24	1.012	Pond In 2	22.0	0.759	0.171	0.1804	
960 minute winter	Pond In 2	Flow through pond	Pond Out	19.1	0.014	0.002	555.5181	
960 minute winter	Pond Out	34.000	Control MH	30.4	0.545	0.211	0.6338	
960 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	387.8
960 minute winter	PP1	1.000	S11	1.2	0.384	0.434	0.0994	
960 minute winter	PP2	15.000	S5	3.4	0.663	0.740	0.1998	



Results for 100 year +20% CC 960 minute winter. 1200 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	PP3	585	0.894	0.094	3.7	24.4667	0.0000	OK
960 minute winter	PP4	720	1.043	0.105	13.8	210.6389	0.0000	SURCHARGED
960 minute winter	PP5	600	1.008	0.070	6.0	51.1868	0.0000	OK

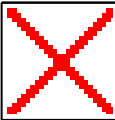
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	PP3	17.000	S6	2.5	0.414	1.037	0.2770	
960 minute winter	PP4	28.000	S2	3.6	0.521	1.084	0.4267	
960 minute winter	PP5	31.000	S3	3.8	0.687	0.809	0.2144	



Results for 100 year +20% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.33%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S3	780	0.492	0.142	6.5	0.1533	0.0000	OK
1440 minute summer	S4	780	0.449	0.129	7.5	0.2282	0.0000	OK
1440 minute summer	Pond In 1	1380	0.336	0.331	7.5	0.0000	0.0000	OK
1440 minute summer	S10	780	0.497	0.067	0.4	0.0726	0.0000	OK
1440 minute summer	S11	780	0.497	0.077	1.1	0.0835	0.0000	OK
1440 minute summer	S12	780	0.497	0.087	1.4	0.1244	0.0000	OK
1440 minute summer	S13	780	0.497	0.087	0.0	0.0939	0.0000	OK
1440 minute summer	S14	780	0.497	0.097	1.8	0.1340	0.0000	OK
1440 minute summer	S15	780	0.496	0.106	2.6	0.1717	0.0000	OK
1440 minute summer	S16	780	0.495	0.115	2.6	0.1242	0.0000	OK
1440 minute summer	S17	780	0.495	0.125	3.0	0.1685	0.0000	OK
1440 minute summer	S18	780	0.494	0.134	3.4	0.1811	0.0000	OK
1440 minute summer	S19	780	0.494	0.144	3.4	0.1550	0.0000	OK
1440 minute summer	S1	780	0.494	0.104	0.1	0.1128	0.0000	OK
1440 minute summer	S2	780	0.494	0.114	3.5	0.1236	0.0000	OK

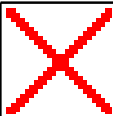
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S3	28.002	S4	6.5	0.164	0.232	1.7048	
1440 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
1440 minute summer	S4	28.003	Pond In 1	7.5	0.315	0.187	0.3453	
1440 minute summer	Pond In 1	Flow through pond	Pond Out	18.2	0.011	0.002	449.0401	
1440 minute summer	S10	2.001	S11	-0.4	-0.036	-0.003	0.0820	
1440 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
1440 minute summer	S11	1.001	S12	0.7	0.088	0.012	0.5437	
1440 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
1440 minute summer	S12	1.002	S14	1.5	0.093	0.013	0.2024	
1440 minute summer	S13	8.000	S14	0.0	0.007	0.000	0.3046	
1440 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
1440 minute summer	S14	1.003	S15	1.8	0.088	0.029	0.7226	
1440 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
1440 minute summer	S15	1.004	S16	2.6	0.115	0.049	1.0867	
1440 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
1440 minute summer	S16	1.005	S17	2.6	0.144	0.027	0.3727	
1440 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
1440 minute summer	S17	1.006	S18	3.0	0.121	0.029	0.3584	
1440 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
1440 minute summer	S18	1.007	S19	3.4	0.105	0.054	1.0327	
1440 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
1440 minute summer	S19	1.008	S20	3.4	0.076	0.073	2.0461	
1440 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
1440 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
1440 minute summer	S1	30.000	S2	-0.1	-0.014	-0.002	1.8689	
1440 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
1440 minute summer	S2	18.000	S6	1.4	0.263	0.756	0.0783	
1440 minute summer	S2	32.000	S3	3.4	0.098	0.055	2.8284	



Results for 100 year +20% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.33%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S6	780	0.496	0.126	2.9	0.1357	0.0000	OK
1440 minute summer	S9	780	0.497	0.057	0.7	0.0617	0.0000	OK
1440 minute summer	S5	780	0.497	0.127	3.4	0.1373	0.0000	OK
1440 minute summer	S7	780	0.495	0.135	5.3	0.1462	0.0000	OK
1440 minute summer	S8	780	0.494	0.144	5.4	0.1556	0.0000	OK
1440 minute summer	S20	780	0.493	0.153	11.1	0.4478	0.0000	OK
1440 minute summer	S21	750	0.461	0.131	11.6	0.1736	0.0000	OK
1440 minute summer	S22	750	0.447	0.117	0.1	0.1680	0.0000	OK
1440 minute summer	S23	750	0.447	0.127	18.1	0.5693	0.0000	OK
1440 minute summer	S24	750	0.419	0.109	20.0	0.2222	0.0000	OK
1440 minute summer	Pond In 2	1350	0.342	0.337	20.0	0.0000	0.0000	OK
1440 minute summer	Pond Out	1440	0.334	0.334	34.7	0.0000	0.0000	SURCHARGED
1440 minute summer	Control MH	1440	0.334	0.484	18.6	0.8551	0.0000	SURCHARGED
1440 minute summer	Outfall 1	900	-0.645	0.045	6.9	0.0000	0.0000	OK
1440 minute summer	PP1	780	0.877	0.047	1.2	2.8439	0.0000	OK
1440 minute summer	PP2	810	1.010	0.060	4.6	26.4461	0.0000	OK

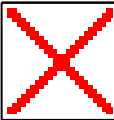
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S6	17.001	S7	2.9	0.124	0.061	1.6728	
1440 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
1440 minute summer	S9	16.000	S5	0.6	-0.036	0.002	0.2305	
1440 minute summer	S9	5.000	S12	0.4	0.046	0.005	0.7591	
1440 minute summer	S9	2.000	S10	-0.4	-0.060	-0.005	0.2105	
1440 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
1440 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
1440 minute summer	S5	15.001	S7	3.4	0.088	0.081	2.1465	
1440 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
1440 minute summer	S7	15.002	S8	5.4	0.149	0.075	0.8193	
1440 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
1440 minute summer	S8	15.003	S20	5.4	0.137	0.097	1.4644	
1440 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
1440 minute summer	S20	1.009	S21	11.2	0.264	0.395	5.0439	
1440 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
1440 minute summer	S21	1.010	S23	11.6	0.321	0.206	1.1755	
1440 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
1440 minute summer	S22	25.000	S23	-0.1	-0.034	-0.004	3.5110	
1440 minute summer	S23	1.011	S24	18.0	0.543	0.202	0.4223	
1440 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
1440 minute summer	S24	1.012	Pond In 2	20.0	0.739	0.156	0.1684	
1440 minute summer	Pond In 2	Flow through pond	Pond Out	18.2	0.011	0.002	449.0401	
1440 minute summer	Pond Out	34.000	Control MH	18.6	0.368	0.129	0.6338	
1440 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	522.9
1440 minute summer	PP1	1.000	S11	1.1	0.371	0.382	0.0907	
1440 minute summer	PP2	15.000	S5	3.0	0.641	0.650	0.1814	



Results for 100 year +20% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.33%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	PP3	810	0.885	0.085	3.4	20.1986	0.0000	OK
1440 minute summer	PP4	960	1.031	0.093	13.0	179.3513	0.0000	OK
1440 minute summer	PP5	840	1.001	0.063	5.7	43.3532	0.0000	OK

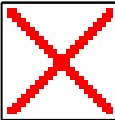
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	PP3	17.000	S6	2.2	0.402	0.916	0.2568	
1440 minute summer	PP4	28.000	S2	3.3	0.521	0.990	0.4087	
1440 minute summer	PP5	31.000	S3	3.3	0.662	0.695	0.1915	



Results for 100 year +20% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S3	840	0.488	0.138	6.1	0.1488	0.0000	OK
1440 minute winter	S4	840	0.445	0.125	6.9	0.2210	0.0000	OK
1440 minute winter	Pond In 1	1410	0.397	0.392	6.9	0.0000	0.0000	OK
1440 minute winter	S10	810	0.491	0.061	0.3	0.0656	0.0000	OK
1440 minute winter	S11	810	0.491	0.071	0.9	0.0764	0.0000	OK
1440 minute winter	S12	810	0.491	0.081	1.3	0.1151	0.0000	OK
1440 minute winter	S13	810	0.490	0.080	0.0	0.0867	0.0000	OK
1440 minute winter	S14	810	0.490	0.090	1.7	0.1249	0.0000	OK
1440 minute winter	S15	810	0.490	0.100	2.3	0.1609	0.0000	OK
1440 minute winter	S16	810	0.488	0.108	2.3	0.1169	0.0000	OK
1440 minute winter	S17	810	0.488	0.118	2.7	0.1594	0.0000	OK
1440 minute winter	S18	810	0.488	0.128	3.1	0.1721	0.0000	OK
1440 minute winter	S19	810	0.487	0.137	3.1	0.1479	0.0000	OK
1440 minute winter	S1	840	0.490	0.100	0.0	0.1079	0.0000	OK
1440 minute winter	S2	840	0.490	0.110	3.5	0.1187	0.0000	OK

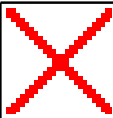
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S3	28.002	S4	6.1	0.159	0.217	1.6326	
1440 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
1440 minute winter	S4	28.003	Pond In 1	6.9	0.306	0.173	0.3315	
1440 minute winter	Pond In 1	Flow through pond	Pond Out	18.0	0.013	0.002	537.0605	
1440 minute winter	S10	2.001	S11	-0.3	-0.030	-0.002	0.0714	
1440 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
1440 minute winter	S11	1.001	S12	0.7	0.087	0.011	0.4822	
1440 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
1440 minute winter	S12	1.002	S14	1.3	0.096	0.012	0.1819	
1440 minute winter	S13	8.000	S14	0.0	-0.015	0.000	0.2736	
1440 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
1440 minute winter	S14	1.003	S15	1.7	0.093	0.028	0.6560	
1440 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
1440 minute winter	S15	1.004	S16	2.3	0.113	0.045	0.9942	
1440 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
1440 minute winter	S16	1.005	S17	2.3	0.110	0.024	0.3436	
1440 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
1440 minute winter	S17	1.006	S18	2.7	0.105	0.026	0.3327	
1440 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
1440 minute winter	S18	1.007	S19	3.1	0.091	0.049	0.9643	
1440 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
1440 minute winter	S19	1.008	S20	3.1	0.072	0.066	1.9201	
1440 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
1440 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
1440 minute winter	S1	30.000	S2	0.0	-0.017	-0.001	1.7587	
1440 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
1440 minute winter	S2	18.000	S6	1.5	0.274	0.795	0.0783	
1440 minute winter	S2	32.000	S3	3.0	0.101	0.048	2.6939	



Results for 100 year +20% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S6	810	0.490	0.120	2.8	0.1293	0.0000	OK
1440 minute winter	S9	810	0.491	0.051	0.5	0.0546	0.0000	OK
1440 minute winter	S5	810	0.491	0.121	2.8	0.1302	0.0000	OK
1440 minute winter	S7	810	0.489	0.129	5.1	0.1394	0.0000	OK
1440 minute winter	S8	810	0.488	0.138	5.2	0.1487	0.0000	OK
1440 minute winter	S20	810	0.486	0.146	10.3	0.4283	0.0000	OK
1440 minute winter	S21	810	0.453	0.123	10.5	0.1638	0.0000	OK
1440 minute winter	S22	780	0.438	0.108	0.1	0.1544	0.0000	OK
1440 minute winter	S23	780	0.438	0.118	15.4	0.5268	0.0000	OK
1440 minute winter	S24	780	0.410	0.100	16.8	0.2040	0.0000	OK
1440 minute winter	Pond In 2	1530	0.397	0.392	16.8	0.0000	0.0000	OK
1440 minute winter	Pond Out	1440	0.395	0.395	21.9	0.0000	0.0000	SURCHARGED
1440 minute winter	Control MH	1440	0.395	0.545	21.6	0.9624	0.0000	SURCHARGED
1440 minute winter	Outfall	870	-0.645	0.045	6.9	0.0000	0.0000	OK
1440 minute winter	1							
1440 minute winter	PP1	780	0.872	0.042	0.9	2.3146	0.0000	OK
1440 minute winter	PP2	840	1.007	0.057	3.4	24.0883	0.0000	OK

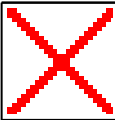
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S6	17.001	S7	2.9	0.127	0.061	1.5646	
1440 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
1440 minute winter	S9	16.000	S5	-0.5	-0.035	-0.002	0.2090	
1440 minute winter	S9	5.000	S12	0.4	0.045	0.005	0.6628	
1440 minute winter	S9	2.000	S10	-0.3	-0.054	-0.004	0.1790	
1440 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
1440 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
1440 minute winter	S5	15.001	S7	2.8	0.082	0.068	2.0020	
1440 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
1440 minute winter	S7	15.002	S8	5.2	0.147	0.072	0.7680	
1440 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
1440 minute winter	S8	15.003	S20	5.2	0.135	0.093	1.3760	
1440 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
1440 minute winter	S20	1.009	S21	10.2	0.258	0.363	4.7051	
1440 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
1440 minute winter	S21	1.010	S23	10.5	0.315	0.187	1.0677	
1440 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
1440 minute winter	S22	25.000	S23	-0.1	-0.029	-0.004	3.1330	
1440 minute winter	S23	1.011	S24	15.4	0.522	0.173	0.3768	
1440 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
1440 minute winter	S24	1.012	Pond In 2	16.8	0.704	0.131	0.1487	
1440 minute winter	Pond In 2	Flow through pond	Pond Out	18.0	0.013	0.002	537.0605	
1440 minute winter	Pond Out	34.000	Control MH	21.6	0.387	0.150	0.6338	
1440 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	538.2
1440 minute winter	PP1	1.000	S11	0.9	0.351	0.315	0.0790	
1440 minute winter	PP2	15.000	S5	2.8	0.629	0.605	0.1723	



Results for 100 year +20% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	PP3	870	0.881	0.081	2.6	18.4561	0.0000	OK
1440 minute winter	PP4	1020	1.037	0.099	9.8	196.8604	0.0000	OK
1440 minute winter	PP5	870	0.999	0.061	4.3	41.7455	0.0000	OK

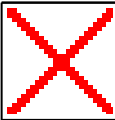
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	PP3	17.000	S6	2.1	0.396	0.861	0.2464	
1440 minute winter	PP4	28.000	S2	3.5	0.521	1.040	0.4221	
1440 minute winter	PP5	31.000	S3	3.2	0.655	0.671	0.1865	



Results for 100 year +20% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S3	1560	0.471	0.121	4.6	0.1303	0.0000	OK
2880 minute summer	S4	1560	0.432	0.112	5.2	0.1972	0.0000	OK
2880 minute summer	Pond In 1	2100	0.264	0.259	5.2	0.0000	0.0000	OK
2880 minute summer	S10	1560	0.473	0.043	0.2	0.0470	0.0000	OK
2880 minute summer	S11	1560	0.474	0.054	0.7	0.0578	0.0000	OK
2880 minute summer	S12	1560	0.473	0.063	0.9	0.0901	0.0000	OK
2880 minute summer	S13	1560	0.473	0.063	0.0	0.0678	0.0000	OK
2880 minute summer	S14	1560	0.473	0.073	1.2	0.1006	0.0000	OK
2880 minute summer	S15	1560	0.472	0.082	1.7	0.1321	0.0000	OK
2880 minute summer	S16	1560	0.470	0.090	1.7	0.0974	0.0000	OK
2880 minute summer	S17	1560	0.470	0.100	2.0	0.1349	0.0000	OK
2880 minute summer	S18	1560	0.470	0.110	2.2	0.1477	0.0000	OK
2880 minute summer	S19	1560	0.469	0.119	2.2	0.1284	0.0000	OK
2880 minute summer	S1	1560	0.473	0.083	0.0	0.0896	0.0000	OK
2880 minute summer	S2	1560	0.473	0.093	2.9	0.1004	0.0000	OK

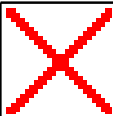
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S3	28.002	S4	4.6	0.142	0.164	1.3725	
2880 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
2880 minute summer	S4	28.003	Pond In 1	5.2	0.276	0.130	0.2753	
2880 minute summer	Pond In 1	Flow through pond	Pond Out	12.4	0.008	0.002	345.5099	
2880 minute summer	S10	2.001	S11	-0.2	-0.028	-0.001	0.0458	
2880 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
2880 minute summer	S11	1.001	S12	0.5	0.083	0.008	0.3306	
2880 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
2880 minute summer	S12	1.002	S14	0.9	0.089	0.009	0.1308	
2880 minute summer	S13	8.000	S14	0.0	0.003	0.000	0.1964	
2880 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
2880 minute summer	S14	1.003	S15	1.2	0.084	0.020	0.4884	
2880 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
2880 minute summer	S15	1.004	S16	1.7	0.106	0.033	0.7588	
2880 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
2880 minute summer	S16	1.005	S17	1.8	0.120	0.018	0.2683	
2880 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
2880 minute summer	S17	1.006	S18	2.0	0.094	0.019	0.2656	
2880 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
2880 minute summer	S18	1.007	S19	2.2	0.070	0.035	0.7851	
2880 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
2880 minute summer	S19	1.008	S20	2.2	0.062	0.047	1.5904	
2880 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
2880 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
2880 minute summer	S1	30.000	S2	0.0	-0.005	-0.001	1.3696	
2880 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
2880 minute summer	S2	18.000	S6	1.2	0.230	0.655	0.0771	
2880 minute summer	S2	32.000	S3	2.3	0.092	0.037	2.1912	



Results for 100 year +20% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S6	1560	0.473	0.103	2.3	0.1109	0.0000	OK
2880 minute summer	S9	1560	0.473	0.033	0.3	0.0359	0.0000	OK
2880 minute summer	S5	1560	0.473	0.103	2.2	0.1115	0.0000	OK
2880 minute summer	S7	1560	0.472	0.112	4.0	0.1206	0.0000	OK
2880 minute summer	S8	1560	0.470	0.120	4.1	0.1297	0.0000	OK
2880 minute summer	S20	1560	0.468	0.128	7.7	0.3761	0.0000	OK
2880 minute summer	S21	1500	0.438	0.108	7.9	0.1428	0.0000	OK
2880 minute summer	S22	1500	0.423	0.093	0.0	0.1332	0.0000	OK
2880 minute summer	S23	1500	0.423	0.103	11.7	0.4607	0.0000	OK
2880 minute summer	S24	1500	0.398	0.088	12.7	0.1785	0.0000	OK
2880 minute summer	Pond In 2	2160	0.274	0.269	12.7	0.0000	0.0000	OK
2880 minute summer	Pond Out	2100	0.261	0.261	16.5	0.0000	0.0000	OK
2880 minute summer	Control MH	2100	0.261	0.411	19.2	0.7258	0.0000	SURCHARGED
2880 minute summer	Outfall	2460	-0.645	0.045	6.9	0.0000	0.0000	OK
2880 minute summer	1							
2880 minute summer	PP1	1500	0.867	0.037	0.7	1.7723	0.0000	OK
2880 minute summer	PP2	1560	0.997	0.047	2.5	16.6964	0.0000	OK

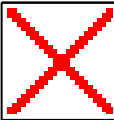
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S6	17.001	S7	2.3	0.112	0.049	1.2684	
2880 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
2880 minute summer	S9	16.000	S5	0.2	0.025	0.001	0.1554	
2880 minute summer	S9	5.000	S12	0.2	0.038	0.003	0.4286	
2880 minute summer	S9	2.000	S10	-0.2	-0.050	-0.003	0.1038	
2880 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
2880 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
2880 minute summer	S5	15.001	S7	2.1	0.075	0.051	1.6209	
2880 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
2880 minute summer	S7	15.002	S8	4.1	0.139	0.057	0.6308	
2880 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
2880 minute summer	S8	15.003	S20	4.1	0.125	0.073	1.1429	
2880 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
2880 minute summer	S20	1.009	S21	7.7	0.235	0.274	3.8933	
2880 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
2880 minute summer	S21	1.010	S23	8.0	0.290	0.141	0.8830	
2880 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
2880 minute summer	S22	25.000	S23	0.0	-0.017	-0.002	2.5680	
2880 minute summer	S23	1.011	S24	11.6	0.475	0.130	0.3115	
2880 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
2880 minute summer	S24	1.012	Pond In 2	12.7	0.648	0.099	0.1222	
2880 minute summer	Pond In 2	Flow through pond	Pond Out	12.4	0.008	0.002	345.5099	
2880 minute summer	Pond Out	34.000	Control MH	19.2	0.517	0.134	0.6098	
2880 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	915.1
2880 minute summer	PP1	1.000	S11	0.7	0.326	0.242	0.0657	
2880 minute summer	PP2	15.000	S5	2.1	0.580	0.449	0.1388	



Results for 100 year +20% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	PP3	1560	0.867	0.067	1.9	12.7295	0.0000	OK
2880 minute summer	PP4	1800	1.019	0.081	7.1	149.9511	0.0000	OK
2880 minute summer	PP5	1620	0.988	0.050	3.1	30.0590	0.0000	OK

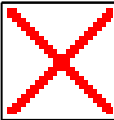
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	PP3	17.000	S6	1.6	0.369	0.652	0.2031	
2880 minute summer	PP4	28.000	S2	2.9	0.517	0.876	0.3710	
2880 minute summer	PP5	31.000	S3	2.3	0.600	0.486	0.1477	



Results for 100 year +20% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S3	1680	0.465	0.115	4.1	0.1237	0.0000	OK
2880 minute winter	S4	1620	0.426	0.106	4.6	0.1873	0.0000	OK
2880 minute winter	Pond In 1	2220	0.298	0.293	4.6	0.0000	0.0000	OK
2880 minute winter	S10	1620	0.466	0.036	0.1	0.0384	0.0000	OK
2880 minute winter	S11	1620	0.466	0.046	0.5	0.0492	0.0000	OK
2880 minute winter	S12	1620	0.465	0.055	0.8	0.0785	0.0000	OK
2880 minute winter	S13	1620	0.465	0.055	0.0	0.0589	0.0000	OK
2880 minute winter	S14	1620	0.465	0.065	1.0	0.0893	0.0000	OK
2880 minute winter	S15	1620	0.464	0.074	1.4	0.1189	0.0000	OK
2880 minute winter	S16	1620	0.462	0.082	1.4	0.0887	0.0000	OK
2880 minute winter	S17	1620	0.462	0.092	1.6	0.1241	0.0000	OK
2880 minute winter	S18	1620	0.462	0.102	1.8	0.1370	0.0000	OK
2880 minute winter	S19	1620	0.461	0.111	1.8	0.1199	0.0000	OK
2880 minute winter	S1	1680	0.467	0.077	0.0	0.0831	0.0000	OK
2880 minute winter	S2	1680	0.467	0.087	3.0	0.0939	0.0000	OK

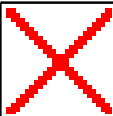
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S3	28.002	S4	4.1	0.138	0.147	1.2742	
2880 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
2880 minute winter	S4	28.003	Pond In 1	4.6	0.264	0.115	0.2553	
2880 minute winter	Pond In 1	Flow through pond	Pond Out	11.9	0.009	0.002	393.7632	
2880 minute winter	S10	2.001	S11	-0.1	-0.021	-0.001	0.0352	
2880 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
2880 minute winter	S11	1.001	S12	0.4	0.087	0.007	0.2659	
2880 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
2880 minute winter	S12	1.002	S14	0.8	0.090	0.007	0.1086	
2880 minute winter	S13	8.000	S14	0.0	0.003	0.000	0.1629	
2880 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
2880 minute winter	S14	1.003	S15	1.0	0.086	0.016	0.4156	
2880 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
2880 minute winter	S15	1.004	S16	1.4	0.100	0.026	0.6582	
2880 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
2880 minute winter	S16	1.005	S17	1.4	0.112	0.014	0.2366	
2880 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
2880 minute winter	S17	1.006	S18	1.6	0.082	0.015	0.2374	
2880 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
2880 minute winter	S18	1.007	S19	1.8	0.063	0.028	0.7094	
2880 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
2880 minute winter	S19	1.008	S20	1.8	0.056	0.038	1.4506	
2880 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
2880 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
2880 minute winter	S1	30.000	S2	0.0	-0.006	0.000	1.2361	
2880 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
2880 minute winter	S2	18.000	S6	1.2	0.231	0.673	0.0746	
2880 minute winter	S2	32.000	S3	2.1	0.096	0.034	2.0166	



Results for 100 year +20% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S6	1620	0.466	0.096	2.2	0.1032	0.0000	OK
2880 minute winter	S9	1620	0.465	0.025	0.2	0.0274	0.0000	OK
2880 minute winter	S5	1620	0.465	0.095	1.8	0.1030	0.0000	OK
2880 minute winter	S7	1620	0.464	0.104	3.7	0.1124	0.0000	OK
2880 minute winter	S8	1620	0.462	0.112	3.7	0.1214	0.0000	OK
2880 minute winter	S20	1620	0.460	0.120	6.7	0.3532	0.0000	OK
2880 minute winter	S21	1620	0.430	0.100	6.9	0.1322	0.0000	OK
2880 minute winter	S22	1560	0.414	0.084	0.0	0.1205	0.0000	OK
2880 minute winter	S23	1560	0.414	0.094	9.6	0.4209	0.0000	OK
2880 minute winter	S24	1560	0.390	0.080	10.4	0.1620	0.0000	OK
2880 minute winter	Pond In 2	2340	0.308	0.303	10.5	0.0000	0.0000	OK
2880 minute winter	Pond Out	2220	0.295	0.295	25.4	0.0000	0.0000	OK
2880 minute winter	Control MH	2220	0.295	0.445	29.0	0.7863	0.0000	SURCHARGED
2880 minute winter	Outfall	2880	-0.645	0.045	6.9	0.0000	0.0000	OK
2880 minute winter	1							
2880 minute winter	PP1	1620	0.861	0.031	0.5	1.3073	0.0000	OK
2880 minute winter	PP2	1560	0.993	0.043	1.9	13.7989	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S6	17.001	S7	2.2	0.112	0.047	1.1463	
2880 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
2880 minute winter	S9	16.000	S5	-0.2	-0.018	-0.001	0.1332	
2880 minute winter	S9	5.000	S12	0.2	0.035	0.002	0.3324	
2880 minute winter	S9	2.000	S10	-0.1	-0.043	-0.001	0.0739	
2880 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
2880 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
2880 minute winter	S5	15.001	S7	1.7	0.069	0.041	1.4581	
2880 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
2880 minute winter	S7	15.002	S8	3.7	0.135	0.052	0.5729	
2880 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
2880 minute winter	S8	15.003	S20	3.7	0.122	0.067	1.0442	
2880 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
2880 minute winter	S20	1.009	S21	6.7	0.225	0.238	3.5422	
2880 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
2880 minute winter	S21	1.010	S23	6.9	0.280	0.123	0.7826	
2880 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
2880 minute winter	S22	25.000	S23	0.0	-0.018	-0.001	2.2416	
2880 minute winter	S23	1.011	S24	9.6	0.450	0.108	0.2725	
2880 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
2880 minute winter	S24	1.012	Pond In 2	10.4	0.614	0.081	0.1055	
2880 minute winter	Pond In 2	Flow through pond	Pond Out	11.9	0.009	0.002	393.7632	
2880 minute winter	Pond Out	34.000	Control MH	29.0	0.575	0.202	0.6328	
2880 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	957.0
2880 minute winter	PP1	1.000	S11	0.5	0.298	0.178	0.0528	
2880 minute winter	PP2	15.000	S5	1.8	0.554	0.381	0.1231	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

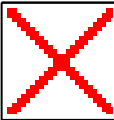
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +20% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	PP3	1620	0.861	0.061	1.4	10.3831	0.0000	OK
2880 minute winter	PP4	1860	1.021	0.083	5.4	155.4158	0.0000	OK
2880 minute winter	PP5	1620	0.984	0.046	2.3	26.3688	0.0000	OK

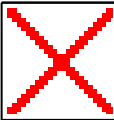
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	PP3	17.000	S6	1.3	0.354	0.551	0.1802	
2880 minute winter	PP4	28.000	S2	3.0	0.518	0.899	0.3790	
2880 minute winter	PP5	31.000	S3	2.0	0.580	0.428	0.1347	



Results for 100 year +20% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.16%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S3	3000	0.450	0.100	3.1	0.1075	0.0000	OK
5760 minute summer	S4	3000	0.413	0.093	3.4	0.1645	0.0000	OK
5760 minute summer	Pond In 1	3540	0.157	0.152	3.4	0.0000	0.0000	OK
5760 minute summer	S10	3000	0.453	0.023	0.1	0.0246	0.0000	OK
5760 minute summer	S11	3000	0.453	0.033	0.4	0.0355	0.0000	OK
5760 minute summer	S12	3000	0.452	0.042	0.5	0.0597	0.0000	OK
5760 minute summer	S13	3000	0.451	0.041	0.0	0.0447	0.0000	OK
5760 minute summer	S14	3000	0.451	0.051	0.7	0.0711	0.0000	OK
5760 minute summer	S15	3000	0.450	0.060	1.0	0.0974	0.0000	OK
5760 minute summer	S16	3000	0.449	0.069	1.0	0.0741	0.0000	OK
5760 minute summer	S17	3000	0.448	0.078	1.2	0.1059	0.0000	OK
5760 minute summer	S18	3000	0.448	0.088	1.4	0.1188	0.0000	OK
5760 minute summer	S19	3000	0.448	0.098	1.4	0.1053	0.0000	OK
5760 minute summer	S1	3000	0.452	0.062	0.0	0.0672	0.0000	OK
5760 minute summer	S2	3000	0.452	0.072	2.3	0.0780	0.0000	OK

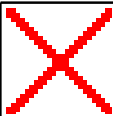
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S3	28.002	S4	3.1	0.124	0.109	1.0523	
5760 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
5760 minute summer	S4	28.003	Pond In 1	3.4	0.234	0.084	0.2108	
5760 minute summer	Pond In 1	Flow through pond	Pond Out	9.8	0.007	0.001	198.4560	
5760 minute summer	S10	2.001	S11	-0.1	-0.018	0.000	0.0202	
5760 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
5760 minute summer	S11	1.001	S12	0.3	0.085	0.005	0.1715	
5760 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
5760 minute summer	S12	1.002	S14	0.5	0.092	0.005	0.0754	
5760 minute summer	S13	8.000	S14	0.0	0.003	0.000	0.1129	
5760 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
5760 minute summer	S14	1.003	S15	0.7	0.087	0.011	0.3045	
5760 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
5760 minute summer	S15	1.004	S16	1.0	0.105	0.019	0.5000	
5760 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
5760 minute summer	S16	1.005	S17	1.0	0.091	0.010	0.1854	
5760 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
5760 minute summer	S17	1.006	S18	1.2	0.066	0.012	0.1914	
5760 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
5760 minute summer	S18	1.007	S19	1.4	0.061	0.022	0.5846	
5760 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
5760 minute summer	S19	1.008	S20	1.4	0.052	0.030	1.2168	
5760 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
5760 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
5760 minute summer	S1	30.000	S2	0.0	-0.002	0.000	0.9290	
5760 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
5760 minute summer	S2	18.000	S6	0.9	0.205	0.494	0.0645	
5760 minute summer	S2	32.000	S3	1.6	0.085	0.026	1.6084	



Results for 100 year +20% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.16%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S6	3000	0.452	0.082	1.6	0.0882	0.0000	OK
5760 minute summer	S9	3000	0.452	0.012	0.1	0.0128	0.0000	OK
5760 minute summer	S5	3000	0.452	0.082	1.4	0.0884	0.0000	OK
5760 minute summer	S7	3000	0.450	0.090	2.9	0.0976	0.0000	OK
5760 minute summer	S8	3000	0.449	0.099	2.9	0.1066	0.0000	OK
5760 minute summer	S20	3000	0.447	0.107	5.2	0.3136	0.0000	OK
5760 minute summer	S21	3000	0.418	0.088	5.3	0.1163	0.0000	OK
5760 minute summer	S22	2940	0.403	0.073	0.0	0.1044	0.0000	OK
5760 minute summer	S23	2940	0.403	0.083	7.3	0.3707	0.0000	OK
5760 minute summer	S24	2940	0.380	0.070	7.9	0.1429	0.0000	OK
5760 minute summer	Pond In 2	3660	0.159	0.154	7.9	0.0000	0.0000	OK
5760 minute summer	Pond Out	3540	0.154	0.154	18.3	0.0000	0.0000	OK
5760 minute summer	Control MH	4140	0.183	0.333	24.0	0.5889	0.0000	SURCHARGED
5760 minute summer	Outfall	3600	-0.645	0.045	6.8	0.0000	0.0000	OK
5760 minute summer	1							
5760 minute summer	PP1	2940	0.858	0.028	0.4	1.0251	0.0000	OK
5760 minute summer	PP2	3000	0.986	0.036	1.4	9.8072	0.0000	OK

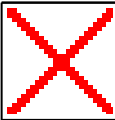
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S6	17.001	S7	1.7	0.103	0.035	0.9260	
5760 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
5760 minute summer	S9	16.000	S5	0.1	0.012	0.000	0.0986	
5760 minute summer	S9	5.000	S12	0.1	0.020	0.001	0.1927	
5760 minute summer	S9	2.000	S10	-0.1	-0.039	-0.001	0.0322	
5760 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
5760 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
5760 minute summer	S5	15.001	S7	1.3	0.065	0.032	1.1809	
5760 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
5760 minute summer	S7	15.002	S8	2.9	0.128	0.040	0.4723	
5760 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
5760 minute summer	S8	15.003	S20	2.9	0.114	0.052	0.8756	
5760 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
5760 minute summer	S20	1.009	S21	5.2	0.205	0.183	2.9755	
5760 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
5760 minute summer	S21	1.010	S23	5.3	0.253	0.094	0.6523	
5760 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
5760 minute summer	S22	25.000	S23	0.0	-0.012	-0.001	1.8476	
5760 minute summer	S23	1.011	S24	7.3	0.409	0.082	0.2272	
5760 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
5760 minute summer	S24	1.012	Pond In 2	7.9	0.561	0.061	0.0876	
5760 minute summer	Pond In 2	Flow through pond	Pond Out	9.8	0.007	0.001	198.4560	
5760 minute summer	Pond Out	34.000	Control MH	24.0	0.474	0.167	0.4806	
5760 minute summer	Control MH	34.001	Outfall	6.8	1.024	0.049	0.2299	1172.4
5760 minute summer	PP1	1.000	S11	0.4	0.277	0.138	0.0440	
5760 minute summer	PP2	15.000	S5	1.3	0.508	0.279	0.0984	



Results for 100 year +20% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.16%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	PP3	3000	0.851	0.051	1.1	7.4835	0.0000	OK
5760 minute summer	PP4	3300	1.004	0.066	4.0	112.5255	0.0000	OK
5760 minute summer	PP5	3060	0.977	0.039	1.7	18.7695	0.0000	OK

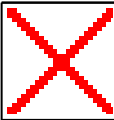
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	PP3	17.000	S6	1.0	0.326	0.413	0.1469	
5760 minute summer	PP4	28.000	S2	2.3	0.495	0.686	0.3062	
5760 minute summer	PP5	31.000	S3	1.5	0.533	0.313	0.1069	



Results for 100 year +20% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S3	3180	0.442	0.092	2.6	0.0992	0.0000	OK
5760 minute winter	S4	3120	0.408	0.088	2.9	0.1548	0.0000	OK
5760 minute winter	Pond In 1	3720	0.138	0.133	2.9	0.0000	0.0000	OK
5760 minute winter	S10	3120	0.445	0.015	0.0	0.0158	0.0000	OK
5760 minute winter	S11	3120	0.445	0.025	0.3	0.0266	0.0000	OK
5760 minute winter	S12	3120	0.441	0.031	0.4	0.0443	0.0000	OK
5760 minute winter	S13	3120	0.440	0.030	0.0	0.0328	0.0000	OK
5760 minute winter	S14	3120	0.440	0.040	0.5	0.0558	0.0000	OK
5760 minute winter	S15	3120	0.439	0.049	0.7	0.0791	0.0000	OK
5760 minute winter	S16	3120	0.437	0.057	0.7	0.0618	0.0000	OK
5760 minute winter	S17	3120	0.437	0.067	0.8	0.0904	0.0000	OK
5760 minute winter	S18	3120	0.437	0.077	0.9	0.1035	0.0000	OK
5760 minute winter	S19	3120	0.436	0.086	0.9	0.0933	0.0000	OK
5760 minute winter	S1	3180	0.445	0.055	0.0	0.0591	0.0000	OK
5760 minute winter	S2	3180	0.445	0.065	2.2	0.0699	0.0000	OK

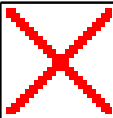
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S3	28.002	S4	2.6	0.116	0.092	0.9498	
5760 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
5760 minute winter	S4	28.003	Pond In 1	2.9	0.222	0.072	0.1907	
5760 minute winter	Pond In 1	Flow through pond	Pond Out	8.6	0.007	0.001	174.6920	
5760 minute winter	S10	2.001	S11	0.0	-0.008	0.000	0.0121	
5760 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
5760 minute winter	S11	1.001	S12	0.3	0.085	0.005	0.1106	
5760 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
5760 minute winter	S12	1.002	S14	0.4	0.092	0.004	0.0507	
5760 minute winter	S13	8.000	S14	0.0	0.004	0.000	0.0753	
5760 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
5760 minute winter	S14	1.003	S15	0.5	0.087	0.008	0.2187	
5760 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
5760 minute winter	S15	1.004	S16	0.7	0.096	0.013	0.3763	
5760 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
5760 minute winter	S16	1.005	S17	0.7	0.091	0.007	0.1451	
5760 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
5760 minute winter	S17	1.006	S18	0.8	0.064	0.008	0.1548	
5760 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
5760 minute winter	S18	1.007	S19	0.9	0.058	0.014	0.4857	
5760 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
5760 minute winter	S19	1.008	S20	0.9	0.045	0.019	1.0338	
5760 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
5760 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
5760 minute winter	S1	30.000	S2	0.0	-0.003	0.000	0.7820	
5760 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
5760 minute winter	S2	18.000	S6	0.8	0.195	0.458	0.0571	
5760 minute winter	S2	32.000	S3	1.4	0.084	0.022	1.4098	



Results for 100 year +20% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S6	3120	0.442	0.072	1.5	0.0781	0.0000	OK
5760 minute winter	S9	3120	0.443	0.003	0.0	0.0028	0.0000	OK
5760 minute winter	S5	3120	0.442	0.072	1.0	0.0773	0.0000	OK
5760 minute winter	S7	3120	0.440	0.080	2.5	0.0866	0.0000	OK
5760 minute winter	S8	3120	0.438	0.088	2.5	0.0952	0.0000	OK
5760 minute winter	S20	3120	0.436	0.096	4.0	0.2815	0.0000	OK
5760 minute winter	S21	3120	0.408	0.078	4.1	0.1036	0.0000	OK
5760 minute winter	S22	2940	0.394	0.064	0.0	0.0912	0.0000	OK
5760 minute winter	S23	2940	0.394	0.074	5.7	0.3296	0.0000	OK
5760 minute winter	S24	2940	0.372	0.062	6.1	0.1258	0.0000	OK
5760 minute winter	Pond In 2	3720	0.141	0.136	6.1	0.0000	0.0000	OK
5760 minute winter	Pond Out	3780	0.136	0.136	16.5	0.0000	0.0000	OK
5760 minute winter	Control MH	4260	0.178	0.328	27.7	0.5792	0.0000	SURCHARGED
5760 minute winter	Outfall 1	3780	-0.645	0.045	6.8	0.0000	0.0000	OK
5760 minute winter	PP1	3120	0.854	0.024	0.3	0.8095	0.0000	OK
5760 minute winter	PP2	3120	0.982	0.032	1.0	7.4564	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S6	17.001	S7	1.5	0.101	0.032	0.7785	
5760 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
5760 minute winter	S9	16.000	S5	0.0	0.002	0.000	0.0777	
5760 minute winter	S9	5.000	S12	0.0	0.002	0.000	0.1108	
5760 minute winter	S9	2.000	S10	0.0	-0.029	0.000	0.0129	
5760 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
5760 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
5760 minute winter	S5	15.001	S7	1.0	0.061	0.024	0.9839	
5760 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
5760 minute winter	S7	15.002	S8	2.5	0.123	0.034	0.3998	
5760 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
5760 minute winter	S8	15.003	S20	2.5	0.108	0.044	0.7482	
5760 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
5760 minute winter	S20	1.009	S21	4.0	0.188	0.143	2.5374	
5760 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
5760 minute winter	S21	1.010	S23	4.1	0.237	0.073	0.5514	
5760 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
5760 minute winter	S22	25.000	S23	0.0	-0.015	-0.001	1.5410	
5760 minute winter	S23	1.011	S24	5.7	0.380	0.064	0.1904	
5760 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
5760 minute winter	S24	1.012	Pond In 2	6.1	0.527	0.047	0.0718	
5760 minute winter	Pond In 2	Flow through pond	Pond Out	8.6	0.007	0.001	174.6920	
5760 minute winter	Pond Out	34.000	Control MH	27.7	0.538	0.192	0.4565	
5760 minute winter	Control MH	34.001	Outfall	6.8	1.023	0.049	0.2292	1323.9
5760 minute winter	PP1	1.000	S11	0.3	0.256	0.107	0.0369	
5760 minute winter	PP2	15.000	S5	1.0	0.472	0.215	0.0814	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

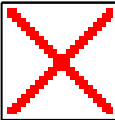
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
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10/01/2024

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Results for 100 year +20% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.05%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	PP3	3000	0.845	0.045	0.8	5.7395	0.0000	OK
5760 minute winter	PP4	3420	1.002	0.064	2.9	107.6268	0.0000	OK
5760 minute winter	PP5	3180	0.973	0.035	1.3	15.0423	0.0000	OK

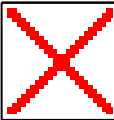
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	PP3	17.000	S6	0.8	0.304	0.321	0.1232	
5760 minute winter	PP4	28.000	S2	2.2	0.490	0.657	0.2965	
5760 minute winter	PP5	31.000	S3	1.2	0.503	0.254	0.0920	



Results for 100 year +20% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S3	4500	0.438	0.088	2.3	0.0945	0.0000	OK
8640 minute summer	S4	4440	0.404	0.084	2.6	0.1489	0.0000	OK
8640 minute summer	Pond In 1	4920	0.089	0.084	2.6	0.0000	0.0000	OK
8640 minute summer	S10	4440	0.444	0.014	0.0	0.0148	0.0000	OK
8640 minute summer	S11	4440	0.444	0.024	0.3	0.0256	0.0000	OK
8640 minute summer	S12	4440	0.439	0.029	0.4	0.0415	0.0000	OK
8640 minute summer	S13	4440	0.438	0.028	0.0	0.0304	0.0000	OK
8640 minute summer	S14	4440	0.438	0.038	0.5	0.0528	0.0000	OK
8640 minute summer	S15	4440	0.436	0.046	0.7	0.0750	0.0000	OK
8640 minute summer	S16	4500	0.434	0.054	0.7	0.0587	0.0000	OK
8640 minute summer	S17	4500	0.434	0.064	0.8	0.0865	0.0000	OK
8640 minute summer	S18	4500	0.434	0.074	0.9	0.0996	0.0000	OK
8640 minute summer	S19	4500	0.433	0.083	0.9	0.0901	0.0000	OK
8640 minute summer	S1	4500	0.440	0.050	0.0	0.0544	0.0000	OK
8640 minute summer	S2	4500	0.440	0.060	1.9	0.0652	0.0000	OK

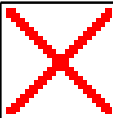
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S3	28.002	S4	2.3	0.111	0.083	0.8888	
8640 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
8640 minute summer	S4	28.003	Pond In 1	2.6	0.214	0.065	0.1790	
8640 minute summer	Pond In 1	Flow through pond	Pond Out	7.8	0.006	0.001	108.1639	
8640 minute summer	S10	2.001	S11	0.0	-0.006	0.000	0.0112	
8640 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
8640 minute summer	S11	1.001	S12	0.3	0.085	0.005	0.1019	
8640 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
8640 minute summer	S12	1.002	S14	0.4	0.091	0.004	0.0464	
8640 minute summer	S13	8.000	S14	0.0	0.005	0.000	0.0688	
8640 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
8640 minute summer	S14	1.003	S15	0.5	0.086	0.008	0.2023	
8640 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
8640 minute summer	S15	1.004	S16	0.7	0.104	0.013	0.3487	
8640 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
8640 minute summer	S16	1.005	S17	0.7	0.091	0.007	0.1355	
8640 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
8640 minute summer	S17	1.006	S18	0.8	0.066	0.008	0.1459	
8640 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
8640 minute summer	S18	1.007	S19	0.9	0.059	0.014	0.4609	
8640 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
8640 minute summer	S19	1.008	S20	0.9	0.045	0.019	0.9862	
8640 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
8640 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
8640 minute summer	S1	30.000	S2	0.0	-0.001	0.000	0.6989	
8640 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
8640 minute summer	S2	18.000	S6	0.7	0.187	0.392	0.0534	
8640 minute summer	S2	32.000	S3	1.2	0.082	0.019	1.2993	



Results for 100 year +20% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S6	4500	0.439	0.069	1.3	0.0743	0.0000	OK
8640 minute summer	S9	4440	0.442	0.002	0.0	0.0024	0.0000	OK
8640 minute summer	S5	4500	0.438	0.068	0.9	0.0737	0.0000	OK
8640 minute summer	S7	4500	0.437	0.077	2.2	0.0830	0.0000	OK
8640 minute summer	S8	4500	0.435	0.085	2.2	0.0918	0.0000	OK
8640 minute summer	S20	4500	0.433	0.093	3.7	0.2728	0.0000	OK
8640 minute summer	S21	4500	0.406	0.076	3.9	0.1003	0.0000	OK
8640 minute summer	S22	4440	0.392	0.062	0.0	0.0881	0.0000	OK
8640 minute summer	S23	4440	0.392	0.072	5.3	0.3198	0.0000	OK
8640 minute summer	S24	4440	0.370	0.060	5.7	0.1222	0.0000	OK
8640 minute summer	Pond In 2	4920	0.089	0.084	5.7	0.0000	0.0000	OK
8640 minute summer	Pond Out	4920	0.086	0.086	17.8	0.0000	0.0000	OK
8640 minute summer	Control MH	5040	0.159	0.309	23.6	0.5457	0.0000	SURCHARGED
8640 minute summer	Outfall 1	4980	-0.646	0.044	6.7	0.0000	0.0000	OK
8640 minute summer	PP1	4440	0.854	0.024	0.3	0.8077	0.0000	OK
8640 minute summer	PP2	4440	0.980	0.030	1.0	6.9434	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S6	17.001	S7	1.3	0.098	0.027	0.7285	
8640 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
8640 minute summer	S9	16.000	S5	0.0	0.002	0.000	0.0723	
8640 minute summer	S9	5.000	S12	0.0	0.002	0.000	0.1000	
8640 minute summer	S9	2.000	S10	0.0	-0.024	0.000	0.0116	
8640 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
8640 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
8640 minute summer	S5	15.001	S7	0.9	0.058	0.022	0.9224	
8640 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
8640 minute summer	S7	15.002	S8	2.2	0.116	0.031	0.3780	
8640 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
8640 minute summer	S8	15.003	S20	2.2	0.101	0.040	0.7130	
8640 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
8640 minute summer	S20	1.009	S21	3.8	0.183	0.133	2.4251	
8640 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
8640 minute summer	S21	1.010	S23	3.9	0.230	0.068	0.5275	
8640 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
8640 minute summer	S22	25.000	S23	0.0	-0.009	0.000	1.4697	
8640 minute summer	S23	1.011	S24	5.3	0.371	0.060	0.1823	
8640 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
8640 minute summer	S24	1.012	Pond In 2	5.7	0.518	0.044	0.0686	
8640 minute summer	Pond In 2	Flow through pond	Pond Out	7.8	0.006	0.001	108.1639	
8640 minute summer	Pond Out	34.000	Control MH	23.6	0.610	0.164	0.3901	
8640 minute summer	Control MH	34.001	Outfall	6.7	1.018	0.048	0.2270	1230.2
8640 minute summer	PP1	1.000	S11	0.3	0.256	0.107	0.0368	
8640 minute summer	PP2	15.000	S5	0.9	0.463	0.200	0.0775	



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13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

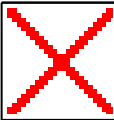
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Network: Holbeach
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10/01/2024

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Results for 100 year +20% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	PP3	4440	0.844	0.044	0.8	5.4006	0.0000	OK
8640 minute summer	PP4	4800	0.996	0.058	2.8	91.4710	0.0000	OK
8640 minute summer	PP5	4500	0.971	0.033	1.2	13.8636	0.0000	OK

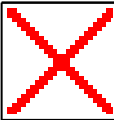
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	PP3	17.000	S6	0.7	0.299	0.303	0.1183	
8640 minute summer	PP4	28.000	S2	1.9	0.473	0.563	0.2638	
8640 minute summer	PP5	31.000	S3	1.1	0.493	0.235	0.0869	



Results for 100 year +20% CC 8640 minute winter. 8880 minute analysis at 60 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
8640 minute winter	S3	4620	0.431	0.081	1.9	0.0870	0.0000	OK
8640 minute winter	S4	4620	0.398	0.078	2.1	0.1386	0.0000	OK
8640 minute winter	Pond In 1	4920	0.062	0.058	2.1	0.0000	0.0000	OK
8640 minute winter	S10	4680	0.439	0.009	0.0	0.0100	0.0000	OK
8640 minute winter	S11	4680	0.439	0.019	0.2	0.0208	0.0000	OK
8640 minute winter	S12	4680	0.434	0.024	0.3	0.0337	0.0000	OK
8640 minute winter	S13	4680	0.432	0.022	0.0	0.0243	0.0000	OK
8640 minute winter	S14	4680	0.432	0.032	0.4	0.0449	0.0000	OK
8640 minute winter	S15	4680	0.430	0.040	0.6	0.0650	0.0000	OK
8640 minute winter	S16	4680	0.427	0.047	0.6	0.0509	0.0000	OK
8640 minute winter	S17	4680	0.427	0.057	0.7	0.0766	0.0000	OK
8640 minute winter	S18	4680	0.426	0.066	0.8	0.0896	0.0000	OK
8640 minute winter	S19	4680	0.426	0.076	0.8	0.0820	0.0000	OK
8640 minute winter	S1	4680	0.434	0.044	0.0	0.0474	0.0000	OK
8640 minute winter	S2	4680	0.434	0.054	1.7	0.0582	0.0000	OK

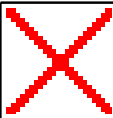
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S3	28.002	S4	1.9	0.104	0.069	0.7982	
8640 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
8640 minute winter	S4	28.003	Pond In 1	2.1	0.200	0.054	0.1592	
8640 minute winter	Pond In 1	Flow through pond	Pond Out	6.6	0.006	0.001	66.7008	
8640 minute winter	S10	2.001	S11	0.0	-0.012	0.000	0.0075	
8640 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
8640 minute winter	S11	1.001	S12	0.2	0.085	0.003	0.0744	
8640 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
8640 minute winter	S12	1.002	S14	0.3	0.090	0.003	0.0357	
8640 minute winter	S13	8.000	S14	0.0	0.005	0.000	0.0522	
8640 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
8640 minute winter	S14	1.003	S15	0.4	0.085	0.007	0.1615	
8640 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
8640 minute winter	S15	1.004	S16	0.6	0.103	0.011	0.2822	
8640 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
8640 minute winter	S16	1.005	S17	0.6	0.091	0.006	0.1118	
8640 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
8640 minute winter	S17	1.006	S18	0.7	0.063	0.007	0.1238	
8640 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
8640 minute winter	S18	1.007	S19	0.8	0.056	0.013	0.3991	
8640 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
8640 minute winter	S19	1.008	S20	0.8	0.044	0.017	0.8671	
8640 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
8640 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
8640 minute winter	S1	30.000	S2	0.0	-0.001	0.000	0.5833	
8640 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
8640 minute winter	S2	18.000	S6	0.6	0.177	0.346	0.0467	
8640 minute winter	S2	32.000	S3	1.1	0.080	0.017	1.1334	



Results for 100 year +20% CC 8640 minute winter. 8880 minute analysis at 60 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
8640 minute winter	S6	4680	0.431	0.061	1.1	0.0663	0.0000	OK
8640 minute winter	S9	60	0.440	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	S5	4680	0.430	0.060	0.7	0.0652	0.0000	OK
8640 minute winter	S7	4680	0.429	0.069	1.8	0.0746	0.0000	OK
8640 minute winter	S8	4680	0.427	0.077	1.8	0.0835	0.0000	OK
8640 minute winter	S20	4680	0.425	0.085	3.1	0.2505	0.0000	OK
8640 minute winter	S21	4620	0.399	0.069	3.2	0.0915	0.0000	OK
8640 minute winter	S22	4620	0.385	0.055	0.0	0.0784	0.0000	OK
8640 minute winter	S23	4620	0.385	0.065	4.3	0.2897	0.0000	OK
8640 minute winter	S24	4620	0.364	0.054	4.6	0.1105	0.0000	OK
8640 minute winter	Pond In 2	4860	0.063	0.059	4.6	0.0000	0.0000	OK
8640 minute winter	Pond Out	4980	0.054	0.054	6.6	0.0000	0.0000	OK
8640 minute winter	Control MH	5100	0.075	0.225	10.4	0.3977	0.0000	OK
8640 minute winter	Outfall	4500	-0.647	0.043	6.3	0.0000	0.0000	OK
8640 minute winter	1							
8640 minute winter	PP1	4320	0.850	0.020	0.2	0.5621	0.0000	OK
8640 minute winter	PP2	4740	0.976	0.026	0.7	5.2063	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S6	17.001	S7	1.1	0.094	0.024	0.6208	
8640 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
8640 minute winter	S9	16.000	S5	0.0	0.000	0.000	0.0601	
8640 minute winter	S9	5.000	S12	0.0	0.000	0.000	0.0721	
8640 minute winter	S9	2.000	S10	0.0	0.000	0.000	0.0058	
8640 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
8640 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
8640 minute winter	S5	15.001	S7	0.7	0.055	0.017	0.7814	
8640 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
8640 minute winter	S7	15.002	S8	1.8	0.113	0.025	0.3267	
8640 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
8640 minute winter	S8	15.003	S20	1.8	0.095	0.033	0.6263	
8640 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
8640 minute winter	S20	1.009	S21	3.1	0.171	0.109	2.1335	
8640 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
8640 minute winter	S21	1.010	S23	3.2	0.219	0.057	0.4593	
8640 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
8640 minute winter	S22	25.000	S23	0.0	-0.011	0.000	1.2587	
8640 minute winter	S23	1.011	S24	4.3	0.346	0.048	0.1577	
8640 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
8640 minute winter	S24	1.012	Pond In 2	4.6	0.486	0.036	0.0589	
8640 minute winter	Pond In 2	Flow through pond	Pond Out	6.6	0.006	0.001	66.7008	
8640 minute winter	Pond Out	34.000	Control MH	10.4	0.375	0.073	0.2935	
8640 minute winter	Control MH	34.001	Outfall	6.3	1.002	0.045	0.2179	1402.2
8640 minute winter	PP1	1.000	S11	0.2	0.227	0.071	0.0278	
8640 minute winter	PP2	15.000	S5	0.7	0.428	0.151	0.0632	



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13 Gostwick
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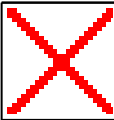
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Network: Holbeach
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Results for 100 year +20% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	PP3	4920	0.836	0.036	0.5	3.6870	0.0000	OK
8640 minute winter	PP4	4920	0.992	0.054	2.0	82.8223	0.0000	OK
8640 minute winter	PP5	4560	0.967	0.029	0.9	10.9656	0.0000	OK

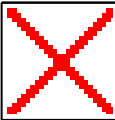
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	PP3	17.000	S6	0.5	0.267	0.207	0.0906	
8640 minute winter	PP4	28.000	S2	1.7	0.462	0.512	0.2454	
8640 minute winter	PP5	31.000	S3	0.9	0.463	0.187	0.0738	



Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S3	50	0.543	0.193	12.4	0.2081	0.0000	OK
60 minute summer	S4	38	0.499	0.179	16.5	0.3169	0.0000	OK
60 minute summer	Pond In 1	300	0.244	0.239	16.4	0.0000	0.0000	OK
60 minute summer	S10	39	0.677	0.247	5.9	0.2663	0.0000	OK
60 minute summer	S11	39	0.677	0.257	8.9	0.2772	0.0000	OK
60 minute summer	S12	39	0.676	0.266	20.2	0.3807	0.0000	OK
60 minute summer	S13	39	0.676	0.266	1.6	0.2876	0.0000	OK
60 minute summer	S14	39	0.676	0.276	19.1	0.3822	0.0000	OK
60 minute summer	S15	39	0.676	0.286	17.2	0.4621	0.0000	OK
60 minute summer	S16	39	0.676	0.296	8.8	0.3191	0.0000	OK
60 minute summer	S17	39	0.675	0.305	11.5	0.4127	0.0000	OK
60 minute summer	S18	39	0.675	0.315	13.8	0.4248	0.0000	OK
60 minute summer	S19	39	0.674	0.324	14.4	0.3495	0.0000	OK
60 minute summer	S1	50	0.546	0.156	2.9	0.1689	0.0000	OK
60 minute summer	S2	49	0.546	0.166	9.2	0.1796	0.0000	OK

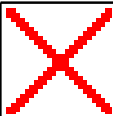
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S3	28.002	S4	12.4	0.211	0.440	2.5477	
60 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute summer	S4	28.003	Pond In 1	16.4	0.420	0.408	0.5582	
60 minute summer	Pond In 1	Flow through pond	Pond Out	90.7	0.070	0.011	317.2181	
60 minute summer	S10	2.001	S11	-5.9	-0.151	-0.041	0.4549	
60 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute summer	S11	1.001	S12	-6.4	-0.133	-0.107	2.6279	
60 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute summer	S12	1.002	S14	-12.8	-0.206	-0.118	0.8700	
60 minute summer	S13	8.000	S14	-1.6	-0.115	-0.018	1.3106	
60 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute summer	S14	1.003	S15	-11.7	-0.162	-0.192	2.8120	
60 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute summer	S15	1.004	S16	8.8	0.195	0.167	3.8962	
60 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute summer	S16	1.005	S17	9.9	0.146	0.103	1.2396	
60 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute summer	S17	1.006	S18	11.9	0.168	0.115	1.1080	
60 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute summer	S18	1.007	S19	14.4	0.195	0.228	2.9881	
60 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute summer	S19	1.008	S20	15.8	0.138	0.339	5.5689	
60 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute summer	S1	30.000	S2	-2.9	-0.147	-0.074	3.2046	
60 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute summer	S2	18.000	S6	-6.6	-0.843	-3.566	0.0783	
60 minute summer	S2	32.000	S3	7.9	0.136	0.126	4.4760	



Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S6	39	0.674	0.304	10.2	0.3288	0.0000	OK
60 minute summer	S9	40	0.676	0.236	9.9	0.2551	0.0000	OK
60 minute summer	S5	38	0.676	0.306	14.7	0.3309	0.0000	OK
60 minute summer	S7	39	0.674	0.314	19.6	0.3391	0.0000	OK
60 minute summer	S8	39	0.673	0.323	24.0	0.3489	0.0000	OK
60 minute summer	S20	39	0.671	0.331	44.2	0.9721	0.0000	OK
60 minute summer	S21	38	0.632	0.302	48.5	0.4009	0.0000	OK
60 minute summer	S22	35	0.620	0.290	8.4	0.4154	0.0000	OK
60 minute summer	S23	36	0.619	0.299	91.2	1.3370	0.0000	OK
60 minute summer	S24	35	0.572	0.262	110.5	0.5335	0.0000	OK
60 minute summer	Pond In 2	35	0.361	0.356	110.5	0.0000	0.0000	OK
60 minute summer	Pond Out	300	0.241	0.241	90.7	0.0000	0.0000	OK
60 minute summer	Control MH	300	0.240	0.390	36.1	0.6900	0.0000	SURCHARGED
60 minute summer	Outfall 1	244	-0.645	0.045	6.9	0.0000	0.0000	OK
60 minute summer	PP1	44	0.934	0.104	15.8	10.8018	0.0000	SURCHARGED
60 minute summer	PP2	61	1.040	0.090	58.8	52.0572	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	S6	17.001	S7	-7.7	0.118	-0.164	5.0976	
60 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute summer	S9	16.000	S5	10.2	0.119	0.037	0.9491	
60 minute summer	S9	5.000	S12	-6.1	-0.140	-0.075	4.1720	
60 minute summer	S9	2.000	S10	-5.4	-0.162	-0.069	1.3797	
60 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute summer	S5	15.001	S7	14.9	0.133	0.356	6.5139	
60 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute summer	S7	15.002	S8	-19.6	-0.240	-0.274	2.3458	
60 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute summer	S8	15.003	S20	-24.0	-0.274	-0.432	3.9718	
60 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute summer	S20	1.009	S21	46.6	0.414	1.650	14.0541	
60 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute summer	S21	1.010	S23	51.3	0.508	0.912	3.5082	
60 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute summer	S22	25.000	S23	-8.4	-0.163	-0.273	11.0788	
60 minute summer	S23	1.011	S24	91.4	0.904	1.023	1.3189	
60 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute summer	S24	1.012	Pond In 2	110.5	1.240	0.860	0.5534	
60 minute summer	Pond In 2	Flow through pond	Pond Out	90.7	0.070	0.011	317.2181	
60 minute summer	Pond Out	34.000	Control MH	36.1	0.749	0.252	0.5896	
60 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	109.4
60 minute summer	PP1	1.000	S11	3.4	0.492	1.199	0.1978	
60 minute summer	PP2	15.000	S5	4.7	0.699	1.009	0.2562	



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13 Gostwick
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Peterborough PE2 5XF

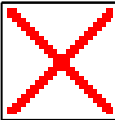
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Network: Holbeach
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Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	PP3	61	0.919	0.119	44.5	39.7045	0.0000	SURCHARGED
60 minute summer	PP4	64	1.027	0.089	168.0	171.0455	0.0000	OK
60 minute summer	PP5	62	1.024	0.086	73.1	67.7031	0.0000	OK

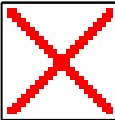
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	PP3	17.000	S6	3.2	0.453	1.311	0.2978	
60 minute summer	PP4	28.000	S2	3.2	0.521	0.961	0.3996	
60 minute summer	PP5	31.000	S3	4.7	0.709	0.988	0.2521	



Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S3	51	0.549	0.199	13.2	0.2154	0.0000	OK
60 minute winter	S4	40	0.506	0.186	17.8	0.3283	0.0000	OK
60 minute winter	Pond In 1	299	0.277	0.272	17.8	0.0000	0.0000	OK
60 minute winter	S10	41	0.680	0.250	5.5	0.2701	0.0000	OK
60 minute winter	S11	41	0.680	0.260	7.0	0.2808	0.0000	OK
60 minute winter	S12	41	0.680	0.270	14.2	0.3858	0.0000	OK
60 minute winter	S13	41	0.680	0.270	1.1	0.2915	0.0000	OK
60 minute winter	S14	41	0.680	0.280	12.5	0.3871	0.0000	OK
60 minute winter	S15	41	0.679	0.289	10.8	0.4675	0.0000	OK
60 minute winter	S16	41	0.679	0.299	9.0	0.3227	0.0000	OK
60 minute winter	S17	41	0.679	0.309	11.7	0.4171	0.0000	OK
60 minute winter	S18	41	0.678	0.318	14.4	0.4291	0.0000	OK
60 minute winter	S19	41	0.677	0.327	14.9	0.3533	0.0000	OK
60 minute winter	S1	50	0.553	0.163	2.5	0.1764	0.0000	OK
60 minute winter	S2	50	0.553	0.173	9.3	0.1871	0.0000	OK

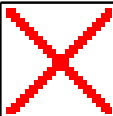
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S3	28.002	S4	13.3	0.218	0.471	2.6910	
60 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
60 minute winter	S4	28.003	Pond In 1	17.8	0.432	0.443	0.5869	
60 minute winter	Pond In 1	Flow through pond	Pond Out	79.9	0.065	0.010	364.3302	
60 minute winter	S10	2.001	S11	-5.5	-0.148	-0.038	0.4626	
60 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
60 minute winter	S11	1.001	S12	-4.5	-0.108	-0.074	2.6696	
60 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
60 minute winter	S12	1.002	S14	-8.3	-0.149	-0.076	0.8834	
60 minute winter	S13	8.000	S14	-1.1	-0.125	-0.012	1.3309	
60 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
60 minute winter	S14	1.003	S15	-6.5	0.110	-0.108	2.8522	
60 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
60 minute winter	S15	1.004	S16	9.0	0.205	0.172	3.9477	
60 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
60 minute winter	S16	1.005	S17	10.1	0.143	0.105	1.2549	
60 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
60 minute winter	S17	1.006	S18	12.2	0.173	0.118	1.1207	
60 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
60 minute winter	S18	1.007	S19	14.9	0.209	0.235	3.0218	
60 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
60 minute winter	S19	1.008	S20	16.0	0.138	0.343	5.6364	
60 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
60 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
60 minute winter	S1	30.000	S2	-2.5	-0.163	-0.065	3.3930	
60 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
60 minute winter	S2	18.000	S6	-6.4	-0.822	-3.475	0.0783	
60 minute winter	S2	32.000	S3	8.4	0.136	0.134	4.7056	



Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S6	41	0.678	0.308	8.5	0.3326	0.0000	OK
60 minute winter	S9	41	0.681	0.241	9.9	0.2598	0.0000	OK
60 minute winter	S5	42	0.680	0.310	14.7	0.3344	0.0000	OK
60 minute winter	S7	41	0.678	0.318	14.8	0.3432	0.0000	OK
60 minute winter	S8	41	0.677	0.327	15.4	0.3529	0.0000	OK
60 minute winter	S20	41	0.675	0.335	45.4	0.9840	0.0000	OK
60 minute winter	S21	40	0.640	0.310	49.4	0.4118	0.0000	OK
60 minute winter	S22	38	0.628	0.298	5.0	0.4263	0.0000	OK
60 minute winter	S23	38	0.627	0.307	97.2	1.3712	0.0000	OK
60 minute winter	S24	38	0.575	0.265	112.4	0.5385	0.0000	OK
60 minute winter	Pond In 2	38	0.367	0.362	112.4	0.0000	0.0000	OK
60 minute winter	Pond Out	300	0.275	0.275	84.7	0.0000	0.0000	OK
60 minute winter	Control MH	300	0.274	0.424	40.6	0.7495	0.0000	SURCHARGED
60 minute winter	Outfall 1	147	-0.645	0.045	6.9	0.0000	0.0000	OK
60 minute winter	PP1	47	0.943	0.113	12.8	12.0553	0.0000	SURCHARGED
60 minute winter	PP2	60	1.048	0.098	47.6	59.1675	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	S6	17.001	S7	-6.2	0.123	-0.131	5.1638	
60 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
60 minute winter	S9	16.000	S5	10.1	0.145	0.036	0.9650	
60 minute winter	S9	5.000	S12	-5.0	-0.152	-0.062	4.2545	
60 minute winter	S9	2.000	S10	-5.3	-0.183	-0.066	1.4086	
60 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
60 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
60 minute winter	S5	15.001	S7	14.8	0.133	0.354	6.5930	
60 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
60 minute winter	S7	15.002	S8	15.4	-0.250	0.215	2.3756	
60 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
60 minute winter	S8	15.003	S20	16.6	-0.216	0.299	4.0217	
60 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
60 minute winter	S20	1.009	S21	47.5	0.417	1.680	14.3371	
60 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
60 minute winter	S21	1.010	S23	52.1	0.511	0.927	3.6293	
60 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
60 minute winter	S22	25.000	S23	-5.0	-0.186	-0.163	11.4157	
60 minute winter	S23	1.011	S24	96.9	0.918	1.084	1.3475	
60 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
60 minute winter	S24	1.012	Pond In 2	112.4	1.247	0.875	0.5597	
60 minute winter	Pond In 2	Flow through pond	Pond Out	79.9	0.065	0.010	364.3302	
60 minute winter	Pond Out	34.000	Control MH	40.6	0.751	0.283	0.6209	
60 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	110.1
60 minute winter	PP1	1.000	S11	3.6	0.507	1.289	0.2013	
60 minute winter	PP2	15.000	S5	4.8	0.699	1.044	0.2658	



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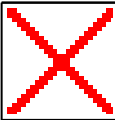
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
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Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	PP3	61	0.927	0.127	36.0	45.1579	0.0000	SURCHARGED
60 minute winter	PP4	63	1.036	0.098	136.0	192.0122	0.0000	OK
60 minute winter	PP5	61	1.033	0.095	59.2	76.5670	0.0000	OK

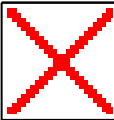
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	PP3	17.000	S6	3.3	0.465	1.351	0.2999	
60 minute winter	PP4	28.000	S2	3.4	0.521	1.027	0.4194	
60 minute winter	PP5	31.000	S3	4.9	0.710	1.038	0.2646	



Results for 100 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S3	116	0.540	0.190	11.9	0.2054	0.0000	OK
180 minute summer	S4	108	0.494	0.174	15.3	0.3073	0.0000	OK
180 minute summer	Pond In 1	408	0.329	0.324	15.2	0.0000	0.0000	OK
180 minute summer	S10	104	0.614	0.184	3.3	0.1992	0.0000	OK
180 minute summer	S11	104	0.615	0.195	3.9	0.2101	0.0000	OK
180 minute summer	S12	104	0.614	0.204	6.2	0.2921	0.0000	OK
180 minute summer	S13	104	0.614	0.204	0.4	0.2207	0.0000	OK
180 minute summer	S14	104	0.614	0.214	4.5	0.2964	0.0000	OK
180 minute summer	S15	104	0.614	0.224	6.2	0.3618	0.0000	OK
180 minute summer	S16	104	0.613	0.233	6.5	0.2520	0.0000	OK
180 minute summer	S17	104	0.613	0.243	8.3	0.3287	0.0000	OK
180 minute summer	S18	104	0.613	0.253	10.2	0.3410	0.0000	OK
180 minute summer	S19	104	0.612	0.262	10.4	0.2828	0.0000	OK
180 minute summer	S1	116	0.544	0.154	0.7	0.1658	0.0000	OK
180 minute summer	S2	116	0.544	0.164	7.7	0.1766	0.0000	OK

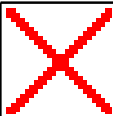
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	S3	28.002	S4	12.0	0.205	0.425	2.5321	
180 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute summer	S4	28.003	Pond In 1	15.2	0.409	0.380	0.5344	
180 minute summer	Pond In 1	Flow through pond	Pond Out	49.9	0.026	0.006	437.6714	
180 minute summer	S10	2.001	S11	-3.3	-0.082	-0.023	0.3162	
180 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute summer	S11	1.001	S12	1.9	0.075	0.032	1.8644	
180 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute summer	S12	1.002	S14	2.9	0.114	0.027	0.6289	
180 minute summer	S13	8.000	S14	-0.4	-0.067	-0.005	0.9474	
180 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute summer	S14	1.003	S15	4.0	0.105	0.066	2.0678	
180 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute summer	S15	1.004	S16	6.5	0.165	0.124	2.9095	
180 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute summer	S16	1.005	S17	7.0	0.147	0.073	0.9391	
180 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute summer	S17	1.006	S18	8.5	0.146	0.083	0.8513	
180 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute summer	S18	1.007	S19	10.4	0.156	0.164	2.3274	
180 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute summer	S19	1.008	S20	10.9	0.118	0.233	4.3992	
180 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute summer	S1	30.000	S2	-0.7	-0.062	-0.018	3.1295	
180 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute summer	S2	18.000	S6	-4.8	-0.620	-2.620	0.0783	
180 minute summer	S2	32.000	S3	7.2	0.125	0.115	4.3893	



Results for 100 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S6	104	0.612	0.242	5.6	0.2618	0.0000	OK
180 minute summer	S9	104	0.614	0.174	5.7	0.1882	0.0000	OK
180 minute summer	S5	104	0.614	0.244	10.1	0.2637	0.0000	OK
180 minute summer	S7	104	0.612	0.252	10.4	0.2725	0.0000	OK
180 minute summer	S8	104	0.612	0.262	10.7	0.2825	0.0000	OK
180 minute summer	S20	104	0.611	0.271	32.1	0.7939	0.0000	OK
180 minute summer	S21	104	0.578	0.248	34.5	0.3294	0.0000	OK
180 minute summer	S22	100	0.567	0.237	2.3	0.3395	0.0000	OK
180 minute summer	S23	100	0.567	0.247	65.6	1.1037	0.0000	OK
180 minute summer	S24	100	0.524	0.214	75.5	0.4351	0.0000	OK
180 minute summer	Pond In 2	372	0.347	0.342	75.5	0.0000	0.0000	OK
180 minute summer	Pond Out	420	0.326	0.326	60.1	0.0000	0.0000	SURCHARGED
180 minute summer	Control MH	420	0.326	0.476	29.8	0.8410	0.0000	SURCHARGED
180 minute summer	Outfall	172	-0.645	0.045	6.9	0.0000	0.0000	OK
180 minute summer	1							
180 minute summer	PP1	112	0.926	0.096	7.3	9.6711	0.0000	OK
180 minute summer	PP2	132	1.042	0.092	27.3	54.5178	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	S6	17.001	S7	4.2	0.127	0.089	3.9174	
180 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute summer	S9	16.000	S5	5.5	0.077	0.020	0.6887	
180 minute summer	S9	5.000	S12	-2.7	-0.076	-0.033	2.9046	
180 minute summer	S9	2.000	S10	-3.1	-0.097	-0.039	0.9389	
180 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute summer	S5	15.001	S7	10.4	0.121	0.249	5.0114	
180 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute summer	S7	15.002	S8	10.7	0.182	0.149	1.8286	
180 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute summer	S8	15.003	S20	11.2	0.172	0.202	3.1386	
180 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute summer	S20	1.009	S21	33.0	0.363	1.168	11.1612	
180 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
180 minute summer	S21	1.010	S23	35.6	0.440	0.633	2.7977	
180 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
180 minute summer	S22	25.000	S23	-2.3	-0.104	-0.076	8.7599	
180 minute summer	S23	1.011	S24	65.4	0.806	0.732	1.0377	
180 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
180 minute summer	S24	1.012	Pond In 2	75.5	1.097	0.588	0.4281	
180 minute summer	Pond In 2	Flow through pond	Pond Out	49.9	0.026	0.006	437.6714	
180 minute summer	Pond Out	34.000	Control MH	29.8	0.691	0.207	0.6338	
180 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	143.0
180 minute summer	PP1	1.000	S11	3.1	0.482	1.103	0.1924	
180 minute summer	PP2	15.000	S5	4.8	0.699	1.026	0.2604	



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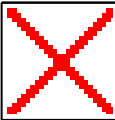
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	PP3	136	0.923	0.123	20.6	41.8303	0.0000	SURCHARGED
180 minute summer	PP4	184	1.043	0.105	78.0	209.6305	0.0000	SURCHARGED
180 minute summer	PP5	140	1.030	0.092	34.0	73.1895	0.0000	OK

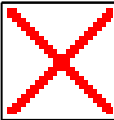
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	PP3	17.000	S6	3.2	0.458	1.327	0.2986	
180 minute summer	PP4	28.000	S2	3.6	0.521	1.081	0.4264	
180 minute summer	PP5	31.000	S3	4.8	0.710	1.024	0.2606	



Results for 100 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S3	120	0.543	0.193	12.2	0.2079	0.0000	OK
180 minute winter	S4	112	0.496	0.176	15.7	0.3113	0.0000	OK
180 minute winter	Pond In 1	420	0.373	0.369	15.7	0.0000	0.0000	OK
180 minute winter	S10	108	0.606	0.176	3.0	0.1899	0.0000	OK
180 minute winter	S11	108	0.606	0.186	3.4	0.2008	0.0000	OK
180 minute winter	S12	108	0.606	0.196	4.3	0.2799	0.0000	OK
180 minute winter	S13	108	0.606	0.196	0.2	0.2115	0.0000	OK
180 minute winter	S14	108	0.606	0.206	3.5	0.2847	0.0000	OK
180 minute winter	S15	108	0.606	0.216	6.0	0.3484	0.0000	OK
180 minute winter	S16	108	0.605	0.225	6.3	0.2431	0.0000	OK
180 minute winter	S17	108	0.605	0.235	8.1	0.3175	0.0000	OK
180 minute winter	S18	108	0.604	0.244	9.9	0.3298	0.0000	OK
180 minute winter	S19	108	0.604	0.254	9.9	0.2739	0.0000	OK
180 minute winter	S1	120	0.546	0.156	0.5	0.1683	0.0000	OK
180 minute winter	S2	120	0.546	0.166	7.5	0.1790	0.0000	OK

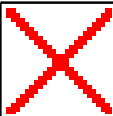
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S3	28.002	S4	12.2	0.206	0.434	2.5815	
180 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
180 minute winter	S4	28.003	Pond In 1	15.7	0.413	0.392	0.5442	
180 minute winter	Pond In 1	Flow through pond	Pond Out	45.7	0.028	0.006	500.8015	
180 minute winter	S10	2.001	S11	-3.0	-0.080	-0.021	0.2974	
180 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
180 minute winter	S11	1.001	S12	2.0	0.077	0.033	1.7602	
180 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
180 minute winter	S12	1.002	S14	3.2	0.117	0.030	0.5960	
180 minute winter	S13	8.000	S14	-0.2	-0.064	-0.003	0.8979	
180 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
180 minute winter	S14	1.003	S15	3.9	0.108	0.064	1.9663	
180 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
180 minute winter	S15	1.004	S16	6.3	0.172	0.120	2.7752	
180 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
180 minute winter	S16	1.005	S17	6.6	0.149	0.069	0.8981	
180 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
180 minute winter	S17	1.006	S18	8.2	0.148	0.079	0.8161	
180 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
180 minute winter	S18	1.007	S19	9.9	0.146	0.157	2.2356	
180 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
180 minute winter	S19	1.008	S20	10.2	0.114	0.220	4.2333	
180 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
180 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
180 minute winter	S1	30.000	S2	-0.5	-0.071	-0.013	3.1905	
180 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
180 minute winter	S2	18.000	S6	-4.4	-0.562	-2.376	0.0783	
180 minute winter	S2	32.000	S3	7.3	0.124	0.116	4.4663	



Results for 100 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S6	108	0.604	0.234	4.8	0.2525	0.0000	OK
180 minute winter	S9	108	0.606	0.166	5.4	0.1789	0.0000	OK
180 minute winter	S5	108	0.606	0.236	9.9	0.2545	0.0000	OK
180 minute winter	S7	108	0.604	0.244	9.9	0.2633	0.0000	OK
180 minute winter	S8	108	0.603	0.253	10.2	0.2734	0.0000	OK
180 minute winter	S20	108	0.602	0.262	31.1	0.7695	0.0000	OK
180 minute winter	S21	108	0.569	0.239	33.0	0.3172	0.0000	OK
180 minute winter	S22	104	0.556	0.226	1.3	0.3231	0.0000	OK
180 minute winter	S23	104	0.556	0.236	60.4	1.0531	0.0000	OK
180 minute winter	S24	104	0.513	0.203	68.6	0.4138	0.0000	OK
180 minute winter	Pond In 2	420	0.374	0.369	68.6	0.0000	0.0000	OK
180 minute winter	Pond Out	420	0.370	0.370	56.4	0.0000	0.0000	SURCHARGED
180 minute winter	Control MH	420	0.370	0.520	40.6	0.9182	0.0000	SURCHARGED
180 minute winter	Outfall 1	144	-0.645	0.045	6.9	0.0000	0.0000	OK
180 minute winter	PP1	120	0.929	0.099	5.7	10.0079	0.0000	OK
180 minute winter	PP2	140	1.050	0.100	21.0	61.4685	0.0000	SURCHARGED

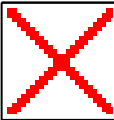
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	S6	17.001	S7	4.4	0.131	0.094	3.7490	
180 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
180 minute winter	S9	16.000	S5	5.2	0.078	0.019	0.6528	
180 minute winter	S9	5.000	S12	-2.5	-0.081	-0.031	2.7326	
180 minute winter	S9	2.000	S10	-2.9	-0.103	-0.036	0.8792	
180 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
180 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
180 minute winter	S5	15.001	S7	9.9	0.119	0.237	4.7979	
180 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
180 minute winter	S7	15.002	S8	10.2	0.187	0.142	1.7545	
180 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
180 minute winter	S8	15.003	S20	10.6	0.177	0.191	3.0190	
180 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
180 minute winter	S20	1.009	S21	31.4	0.356	1.112	10.7029	
180 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
180 minute winter	S21	1.010	S23	33.5	0.427	0.596	2.6551	
180 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
180 minute winter	S22	25.000	S23	-1.3	-0.117	-0.042	8.2462	
180 minute winter	S23	1.011	S24	60.4	0.788	0.676	0.9758	
180 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
180 minute winter	S24	1.012	Pond In 2	68.6	1.063	0.534	0.4010	
180 minute winter	Pond In 2	Flow through pond	Pond Out	45.7	0.028	0.006	500.8015	
180 minute winter	Pond Out	34.000	Control MH	40.6	0.708	0.282	0.6338	
180 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	144.5
180 minute winter	PP1	1.000	S11	3.2	0.484	1.130	0.1947	
180 minute winter	PP2	15.000	S5	4.8	0.699	1.045	0.2666	



Results for 100 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	PP3	144	0.931	0.131	15.9	47.4957	0.0000	SURCHARGED
180 minute winter	PP4	180	1.053	0.115	60.1	236.4538	0.0000	SURCHARGED
180 minute winter	PP5	152	1.039	0.101	26.2	82.9110	0.0000	SURCHARGED

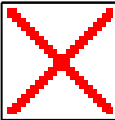
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	PP3	17.000	S6	3.3	0.469	1.367	0.3007	
180 minute winter	PP4	28.000	S2	3.8	0.529	1.139	0.4317	
180 minute winter	PP5	31.000	S3	4.9	0.710	1.044	0.2676	



Results for 100 year +40% CC 360 minute summer. 600 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	S3	216	0.532	0.182	10.9	0.1969	0.0000	OK
360 minute summer	S4	208	0.485	0.165	13.6	0.2921	0.0000	OK
360 minute summer	Pond In 1	584	0.385	0.380	13.5	0.0000	0.0000	OK
360 minute summer	S10	200	0.575	0.145	2.2	0.1565	0.0000	OK
360 minute summer	S11	200	0.575	0.155	2.6	0.1673	0.0000	OK
360 minute summer	S12	200	0.575	0.165	3.2	0.2356	0.0000	OK
360 minute summer	S13	200	0.575	0.165	0.2	0.1780	0.0000	OK
360 minute summer	S14	200	0.575	0.175	3.1	0.2418	0.0000	OK
360 minute summer	S15	200	0.575	0.185	5.0	0.2982	0.0000	OK
360 minute summer	S16	200	0.574	0.194	5.2	0.2094	0.0000	OK
360 minute summer	S17	200	0.574	0.204	6.5	0.2753	0.0000	OK
360 minute summer	S18	200	0.573	0.213	7.9	0.2877	0.0000	OK
360 minute summer	S19	200	0.572	0.222	7.9	0.2402	0.0000	OK
360 minute summer	S1	216	0.535	0.145	0.4	0.1569	0.0000	OK
360 minute summer	S2	216	0.535	0.155	6.6	0.1677	0.0000	OK

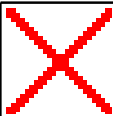
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S3	28.002	S4	11.0	0.197	0.390	2.3914	
360 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
360 minute summer	S4	28.003	Pond In 1	13.5	0.391	0.338	0.4973	
360 minute summer	Pond In 1	Flow through pond	Pond Out	36.4	0.020	0.005	518.9801	
360 minute summer	S10	2.001	S11	-2.2	-0.063	-0.016	0.2305	
360 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
360 minute summer	S11	1.001	S12	1.6	0.082	0.027	1.3873	
360 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
360 minute summer	S12	1.002	S14	2.6	0.103	0.024	0.4768	
360 minute summer	S13	8.000	S14	-0.2	-0.054	-0.002	0.7183	
360 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
360 minute summer	S14	1.003	S15	3.3	0.094	0.054	1.5941	
360 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
360 minute summer	S15	1.004	S16	5.2	0.146	0.099	2.2758	
360 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
360 minute summer	S16	1.005	S17	5.4	0.140	0.056	0.7442	
360 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
360 minute summer	S17	1.006	S18	6.6	0.132	0.064	0.6830	
360 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
360 minute summer	S18	1.007	S19	7.9	0.139	0.125	1.8884	
360 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
360 minute summer	S19	1.008	S20	8.1	0.104	0.174	3.6056	
360 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
360 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
360 minute summer	S1	30.000	S2	-0.4	-0.042	-0.009	2.9080	
360 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
360 minute summer	S2	18.000	S6	-3.7	-0.467	-1.973	0.0783	
360 minute summer	S2	32.000	S3	6.3	0.117	0.101	4.1227	



Results for 100 year +40% CC 360 minute summer. 600 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	S6	200	0.573	0.203	4.0	0.2190	0.0000	OK
360 minute summer	S9	200	0.575	0.135	3.9	0.1454	0.0000	OK
360 minute summer	S5	200	0.575	0.205	7.9	0.2211	0.0000	OK
360 minute summer	S7	200	0.573	0.213	8.1	0.2298	0.0000	OK
360 minute summer	S8	200	0.572	0.222	8.6	0.2398	0.0000	OK
360 minute summer	S20	200	0.571	0.231	24.7	0.6780	0.0000	OK
360 minute summer	S21	192	0.539	0.209	26.1	0.2776	0.0000	OK
360 minute summer	S22	192	0.527	0.197	0.9	0.2824	0.0000	OK
360 minute summer	S23	192	0.527	0.207	47.2	0.9249	0.0000	OK
360 minute summer	S24	192	0.489	0.179	53.6	0.3643	0.0000	OK
360 minute summer	Pond In 2	600	0.383	0.378	53.6	0.0000	0.0000	OK
360 minute summer	Pond Out	600	0.383	0.383	59.0	0.0000	0.0000	SURCHARGED
360 minute summer	Control MH	600	0.382	0.532	21.6	0.9405	0.0000	SURCHARGED
360 minute summer	Outfall	248	-0.645	0.045	6.9	0.0000	0.0000	OK
360 minute summer	1							
360 minute summer	PP1	208	0.913	0.083	4.6	7.8361	0.0000	OK
360 minute summer	PP2	232	1.039	0.089	17.1	51.5899	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	S6	17.001	S7	4.0	0.130	0.085	3.1393	
360 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
360 minute summer	S9	16.000	S5	3.6	0.068	0.013	0.5241	
360 minute summer	S9	5.000	S12	-1.9	0.072	-0.023	2.1188	
360 minute summer	S9	2.000	S10	-2.1	0.088	-0.026	0.6684	
360 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
360 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
360 minute summer	S5	15.001	S7	7.9	0.112	0.190	4.0217	
360 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
360 minute summer	S7	15.002	S8	8.6	0.178	0.120	1.4827	
360 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
360 minute summer	S8	15.003	S20	8.8	0.167	0.159	2.5716	
360 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
360 minute summer	S20	1.009	S21	24.9	0.332	0.881	9.0659	
360 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
360 minute summer	S21	1.010	S23	26.4	0.396	0.470	2.2442	
360 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
360 minute summer	S22	25.000	S23	-0.9	-0.078	-0.031	6.9548	
360 minute summer	S23	1.011	S24	47.1	0.727	0.527	0.8254	
360 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
360 minute summer	S24	1.012	Pond In 2	53.6	0.985	0.417	0.3381	
360 minute summer	Pond In 2	Flow through pond	Pond Out	36.4	0.020	0.005	518.9801	
360 minute summer	Pond Out	34.000	Control MH	-22.7	0.605	-0.158	0.6338	
360 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	197.3
360 minute summer	PP1	1.000	S11	2.6	0.467	0.935	0.1729	
360 minute summer	PP2	15.000	S5	4.7	0.699	1.005	0.2553	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

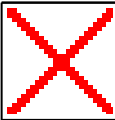
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +40% CC 360 minute summer. 600 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	PP3	240	0.920	0.120	12.9	39.8652	0.0000	SURCHARGED
360 minute summer	PP4	360	1.048	0.110	48.8	223.1401	0.0000	SURCHARGED
360 minute summer	PP5	240	1.029	0.091	21.2	72.0544	0.0000	OK

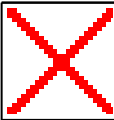
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	PP3	17.000	S6	3.2	0.454	1.313	0.2979	
360 minute summer	PP4	28.000	S2	3.8	0.524	1.126	0.4305	
360 minute summer	PP5	31.000	S3	4.8	0.709	1.018	0.2591	



Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S3	224	0.532	0.182	10.9	0.1967	0.0000	OK
360 minute winter	S4	216	0.485	0.165	13.4	0.2909	0.0000	OK
360 minute winter	Pond In 1	600	0.434	0.429	13.4	0.0000	0.0000	OK
360 minute winter	S10	208	0.563	0.133	1.7	0.1436	0.0000	OK
360 minute winter	S11	208	0.563	0.143	2.5	0.1545	0.0000	OK
360 minute winter	S12	208	0.563	0.153	2.5	0.2186	0.0000	OK
360 minute winter	S13	208	0.563	0.153	0.1	0.1652	0.0000	OK
360 minute winter	S14	208	0.563	0.163	3.1	0.2253	0.0000	OK
360 minute winter	S15	208	0.563	0.173	4.9	0.2789	0.0000	OK
360 minute winter	S16	208	0.562	0.182	5.0	0.1964	0.0000	OK
360 minute winter	S17	208	0.562	0.192	6.1	0.2590	0.0000	OK
360 minute winter	S18	208	0.561	0.201	7.3	0.2714	0.0000	OK
360 minute winter	S19	208	0.560	0.210	7.3	0.2271	0.0000	OK
360 minute winter	S1	224	0.535	0.145	0.2	0.1566	0.0000	OK
360 minute winter	S2	224	0.535	0.155	6.3	0.1674	0.0000	OK

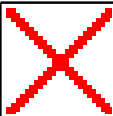
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S3	28.002	S4	11.0	0.197	0.389	2.3831	
360 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
360 minute winter	S4	28.003	Pond In 1	13.4	0.390	0.334	0.5096	
360 minute winter	Pond In 1	Flow through pond	Pond Out	34.2	0.022	0.004	590.1255	
360 minute winter	S10	2.001	S11	-1.7	-0.060	-0.012	0.2056	
360 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
360 minute winter	S11	1.001	S12	1.5	0.070	0.025	1.2476	
360 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
360 minute winter	S12	1.002	S14	2.7	0.107	0.025	0.4320	
360 minute winter	S13	8.000	S14	-0.1	-0.049	-0.001	0.6508	
360 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
360 minute winter	S14	1.003	S15	3.3	0.099	0.054	1.4534	
360 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
360 minute winter	S15	1.004	S16	5.0	0.156	0.095	2.0853	
360 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
360 minute winter	S16	1.005	S17	5.0	0.149	0.053	0.6851	
360 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
360 minute winter	S17	1.006	S18	6.2	0.139	0.059	0.6317	
360 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
360 minute winter	S18	1.007	S19	7.3	0.131	0.115	1.7541	
360 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
360 minute winter	S19	1.008	S20	7.4	0.101	0.159	3.3619	
360 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
360 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
360 minute winter	S1	30.000	S2	-0.2	-0.051	-0.006	2.9013	
360 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
360 minute winter	S2	18.000	S6	-3.1	-0.390	-1.651	0.0783	
360 minute winter	S2	32.000	S3	6.1	0.113	0.097	4.1162	



Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S6	208	0.561	0.191	4.3	0.2062	0.0000	OK
360 minute winter	S9	208	0.563	0.123	3.0	0.1326	0.0000	OK
360 minute winter	S5	208	0.563	0.193	7.2	0.2083	0.0000	OK
360 minute winter	S7	208	0.561	0.201	7.9	0.2170	0.0000	OK
360 minute winter	S8	208	0.560	0.210	8.3	0.2269	0.0000	OK
360 minute winter	S20	208	0.559	0.219	22.7	0.6428	0.0000	OK
360 minute winter	S21	200	0.526	0.196	23.9	0.2607	0.0000	OK
360 minute winter	S22	200	0.512	0.182	0.6	0.2610	0.0000	OK
360 minute winter	S23	200	0.512	0.192	41.2	0.8596	0.0000	OK
360 minute winter	S24	200	0.476	0.166	46.2	0.3372	0.0000	OK
360 minute winter	Pond In 2	600	0.432	0.427	46.2	0.0000	0.0000	OK
360 minute winter	Pond Out	600	0.431	0.431	45.9	0.0000	0.0000	SURCHARGED
360 minute winter	Control MH	600	0.431	0.581	22.7	1.0263	0.0000	SURCHARGED
360 minute winter	Outfall 1	232	-0.645	0.045	6.9	0.0000	0.0000	OK
360 minute winter	PP1	216	0.910	0.080	3.3	7.4375	0.0000	OK
360 minute winter	PP2	256	1.044	0.094	12.4	56.1543	0.0000	OK

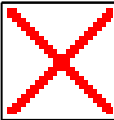
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S6	17.001	S7	4.4	0.131	0.092	2.9069	
360 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
360 minute winter	S9	16.000	S5	2.8	-0.073	0.010	0.4759	
360 minute winter	S9	5.000	S12	-1.4	0.072	-0.017	1.8912	
360 minute winter	S9	2.000	S10	-1.6	-0.085	-0.020	0.5906	
360 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
360 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
360 minute winter	S5	15.001	S7	7.3	0.110	0.174	3.7257	
360 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
360 minute winter	S7	15.002	S8	8.3	0.182	0.116	1.3784	
360 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
360 minute winter	S8	15.003	S20	8.4	0.172	0.152	2.3986	
360 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
360 minute winter	S20	1.009	S21	22.8	0.324	0.807	8.4245	
360 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
360 minute winter	S21	1.010	S23	24.0	0.385	0.427	2.0535	
360 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
360 minute winter	S22	25.000	S23	-0.6	-0.082	-0.021	6.2933	
360 minute winter	S23	1.011	S24	41.2	0.701	0.461	0.7471	
360 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
360 minute winter	S24	1.012	Pond In 2	46.2	0.944	0.359	0.3042	
360 minute winter	Pond In 2	Flow through pond	Pond Out	34.2	0.022	0.004	590.1255	
360 minute winter	Pond Out	34.000	Control MH	22.7	0.489	0.158	0.6338	
360 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	200.0
360 minute winter	PP1	1.000	S11	2.5	0.463	0.895	0.1676	
360 minute winter	PP2	15.000	S5	4.8	0.699	1.034	0.2627	



Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	PP3	256	0.926	0.126	9.4	43.9694	0.0000	SURCHARGED
360 minute winter	PP4	352	1.060	0.122	35.5	254.7798	0.0000	SURCHARGED
360 minute winter	PP5	264	1.036	0.098	15.5	79.6756	0.0000	OK

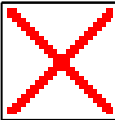
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	PP3	17.000	S6	3.2	0.462	1.343	0.2994	
360 minute winter	PP4	28.000	S2	3.9	0.535	1.155	0.4332	
360 minute winter	PP5	31.000	S3	4.9	0.709	1.044	0.2670	



Results for 100 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S3	280	0.528	0.178	10.4	0.1923	0.0000	OK
480 minute summer	S4	264	0.481	0.161	12.7	0.2846	0.0000	OK
480 minute summer	Pond In 1	672	0.404	0.399	12.7	0.0000	0.0000	OK
480 minute summer	S10	264	0.560	0.130	1.8	0.1406	0.0000	OK
480 minute summer	S11	264	0.560	0.140	2.4	0.1515	0.0000	OK
480 minute summer	S12	264	0.560	0.150	2.4	0.2146	0.0000	OK
480 minute summer	S13	264	0.560	0.150	0.1	0.1621	0.0000	OK
480 minute summer	S14	264	0.560	0.160	3.0	0.2215	0.0000	OK
480 minute summer	S15	264	0.560	0.170	4.6	0.2744	0.0000	OK
480 minute summer	S16	264	0.559	0.179	4.8	0.1934	0.0000	OK
480 minute summer	S17	264	0.559	0.189	5.9	0.2552	0.0000	OK
480 minute summer	S18	264	0.558	0.198	7.1	0.2676	0.0000	OK
480 minute summer	S19	264	0.557	0.207	7.2	0.2241	0.0000	OK
480 minute summer	S1	280	0.531	0.141	0.3	0.1522	0.0000	OK
480 minute summer	S2	280	0.531	0.151	6.1	0.1630	0.0000	OK

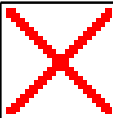
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	S3	28.002	S4	10.5	0.194	0.372	2.3144	
480 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
480 minute summer	S4	28.003	Pond In 1	12.7	0.382	0.317	0.4781	
480 minute summer	Pond In 1	Flow through pond	Pond Out	32.8	0.018	0.004	547.1973	
480 minute summer	S10	2.001	S11	-1.8	-0.057	-0.013	0.1998	
480 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
480 minute summer	S11	1.001	S12	1.5	0.079	0.025	1.2152	
480 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
480 minute summer	S12	1.002	S14	2.5	0.096	0.023	0.4215	
480 minute summer	S13	8.000	S14	-0.1	-0.035	-0.001	0.6350	
480 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
480 minute summer	S14	1.003	S15	3.1	0.097	0.051	1.4207	
480 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
480 minute summer	S15	1.004	S16	4.8	0.144	0.091	2.0411	
480 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
480 minute summer	S16	1.005	S17	4.9	0.152	0.051	0.6714	
480 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
480 minute summer	S17	1.006	S18	5.9	0.136	0.057	0.6199	
480 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
480 minute summer	S18	1.007	S19	7.2	0.114	0.113	1.7229	
480 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
480 minute summer	S19	1.008	S20	7.2	0.101	0.155	3.3048	
480 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
480 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
480 minute summer	S1	30.000	S2	-0.3	-0.036	-0.007	2.7926	
480 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
480 minute summer	S2	18.000	S6	-3.1	-0.400	-1.690	0.0783	
480 minute summer	S2	32.000	S3	5.9	0.114	0.094	3.9817	



Results for 100 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S6	264	0.558	0.188	3.8	0.2032	0.0000	OK
480 minute summer	S9	264	0.560	0.120	3.2	0.1296	0.0000	OK
480 minute summer	S5	264	0.560	0.190	7.1	0.2052	0.0000	OK
480 minute summer	S7	264	0.558	0.198	7.6	0.2139	0.0000	OK
480 minute summer	S8	264	0.557	0.207	8.0	0.2239	0.0000	OK
480 minute summer	S20	264	0.556	0.216	22.1	0.6344	0.0000	OK
480 minute summer	S21	256	0.525	0.195	23.2	0.2585	0.0000	OK
480 minute summer	S22	256	0.511	0.181	0.7	0.2597	0.0000	OK
480 minute summer	S23	256	0.511	0.191	40.8	0.8549	0.0000	OK
480 minute summer	S24	256	0.475	0.165	45.7	0.3355	0.0000	OK
480 minute summer	Pond In 2	680	0.403	0.398	45.7	0.0000	0.0000	OK
480 minute summer	Pond Out	688	0.402	0.402	54.1	0.0000	0.0000	SURCHARGED
480 minute summer	Control MH	688	0.402	0.552	21.4	0.9748	0.0000	SURCHARGED
480 minute summer	Outfall	304	-0.645	0.045	6.9	0.0000	0.0000	OK
480 minute summer	1							
480 minute summer	PP1	272	0.906	0.076	3.6	6.9169	0.0000	OK
480 minute summer	PP2	304	1.036	0.086	13.3	48.9913	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	S6	17.001	S7	3.8	0.129	0.080	2.8518	
480 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
480 minute summer	S9	16.000	S5	3.0	0.064	0.011	0.4646	
480 minute summer	S9	5.000	S12	-1.5	0.070	-0.019	1.8381	
480 minute summer	S9	2.000	S10	-1.7	0.085	-0.021	0.5726	
480 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
480 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
480 minute summer	S5	15.001	S7	7.1	0.110	0.171	3.6555	
480 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
480 minute summer	S7	15.002	S8	8.0	0.173	0.111	1.3537	
480 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
480 minute summer	S8	15.003	S20	8.1	0.162	0.147	2.3577	
480 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
480 minute summer	S20	1.009	S21	22.2	0.321	0.787	8.3097	
480 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
480 minute summer	S21	1.010	S23	23.5	0.382	0.417	2.0348	
480 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
480 minute summer	S22	25.000	S23	-0.7	-0.067	-0.022	6.2490	
480 minute summer	S23	1.011	S24	40.7	0.698	0.456	0.7419	
480 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
480 minute summer	S24	1.012	Pond In 2	45.7	0.941	0.356	0.3022	
480 minute summer	Pond In 2	Flow through pond	Pond Out	32.8	0.018	0.004	547.1973	
480 minute summer	Pond Out	34.000	Control MH	-23.2	0.543	-0.161	0.6338	
480 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	235.1
480 minute summer	PP1	1.000	S11	2.4	0.456	0.840	0.1603	
480 minute summer	PP2	15.000	S5	4.6	0.699	0.983	0.2501	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

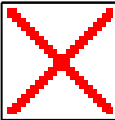
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	PP3	304	0.917	0.117	10.0	37.8663	0.0000	SURCHARGED
480 minute summer	PP4	424	1.049	0.111	37.9	224.8156	0.0000	SURCHARGED
480 minute summer	PP5	312	1.027	0.089	16.5	69.8501	0.0000	OK

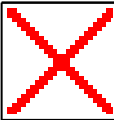
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	PP3	17.000	S6	3.1	0.449	1.297	0.2971	
480 minute summer	PP4	28.000	S2	3.8	0.524	1.128	0.4307	
480 minute summer	PP5	31.000	S3	4.7	0.709	1.004	0.2557	



Results for 100 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S3	296	0.527	0.177	10.4	0.1912	0.0000	OK
480 minute winter	S4	280	0.479	0.159	12.4	0.2818	0.0000	OK
480 minute winter	Pond In 1	704	0.454	0.450	12.4	0.0000	0.0000	OK
480 minute winter	S10	272	0.549	0.119	1.2	0.1280	0.0000	OK
480 minute winter	S11	272	0.549	0.129	2.2	0.1389	0.0000	OK
480 minute winter	S12	272	0.548	0.138	2.4	0.1979	0.0000	OK
480 minute winter	S13	272	0.548	0.138	0.1	0.1495	0.0000	OK
480 minute winter	S14	272	0.548	0.148	2.9	0.2053	0.0000	OK
480 minute winter	S15	272	0.548	0.158	4.4	0.2554	0.0000	OK
480 minute winter	S16	272	0.547	0.167	4.4	0.1806	0.0000	OK
480 minute winter	S17	272	0.547	0.177	5.4	0.2391	0.0000	OK
480 minute winter	S18	272	0.547	0.187	6.4	0.2516	0.0000	OK
480 minute winter	S19	272	0.546	0.196	6.5	0.2113	0.0000	OK
480 minute winter	S1	288	0.530	0.140	0.2	0.1509	0.0000	OK
480 minute winter	S2	288	0.530	0.150	5.7	0.1617	0.0000	OK

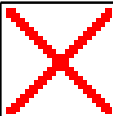
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S3	28.002	S4	10.4	0.194	0.369	2.2904	
480 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
480 minute winter	S4	28.003	Pond In 1	12.4	0.379	0.310	0.6217	
480 minute winter	Pond In 1	Flow through pond	Pond Out	29.8	0.020	0.004	621.3880	
480 minute winter	S10	2.001	S11	-1.2	0.054	-0.009	0.1762	
480 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
480 minute winter	S11	1.001	S12	1.3	0.083	0.022	1.0819	
480 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
480 minute winter	S12	1.002	S14	2.5	0.100	0.023	0.3785	
480 minute winter	S13	8.000	S14	-0.1	-0.040	-0.001	0.5701	
480 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
480 minute winter	S14	1.003	S15	3.0	0.093	0.050	1.2849	
480 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
480 minute winter	S15	1.004	S16	4.4	0.145	0.085	1.8570	
480 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
480 minute winter	S16	1.005	S17	4.5	0.137	0.047	0.6141	
480 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
480 minute winter	S17	1.006	S18	5.4	0.129	0.053	0.5700	
480 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
480 minute winter	S18	1.007	S19	6.5	0.126	0.102	1.5920	
480 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
480 minute winter	S19	1.008	S20	6.5	0.096	0.139	3.0674	
480 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
480 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
480 minute winter	S1	30.000	S2	-0.2	-0.042	-0.004	2.7615	
480 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
480 minute winter	S2	18.000	S6	-2.5	-0.319	-1.351	0.0783	
480 minute winter	S2	32.000	S3	5.6	0.109	0.090	3.9460	



Results for 100 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	S6	272	0.547	0.177	4.0	0.1907	0.0000	OK
480 minute winter	S9	272	0.548	0.108	2.2	0.1171	0.0000	OK
480 minute winter	S5	272	0.548	0.178	6.4	0.1927	0.0000	OK
480 minute winter	S7	272	0.546	0.186	7.6	0.2014	0.0000	OK
480 minute winter	S8	272	0.546	0.196	7.7	0.2112	0.0000	OK
480 minute winter	S20	272	0.544	0.204	20.1	0.5999	0.0000	OK
480 minute winter	S21	264	0.511	0.181	21.0	0.2405	0.0000	OK
480 minute winter	S22	264	0.497	0.167	0.5	0.2387	0.0000	OK
480 minute winter	S23	264	0.497	0.177	34.9	0.7901	0.0000	OK
480 minute winter	S24	256	0.462	0.152	39.0	0.3096	0.0000	OK
480 minute winter	Pond In 2	688	0.454	0.449	39.0	0.0000	0.0000	OK
480 minute winter	Pond Out	720	0.452	0.452	43.4	0.0000	0.0000	SURCHARGED
480 minute winter	Control MH	720	0.452	0.602	33.1	1.0636	0.0000	SURCHARGED
480 minute winter	Outfall 1	288	-0.645	0.045	6.9	0.0000	0.0000	OK
480 minute winter	PP1	280	0.902	0.072	2.7	6.3187	0.0000	OK
480 minute winter	PP2	320	1.039	0.089	9.9	51.9337	0.0000	OK

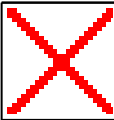
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	S6	17.001	S7	4.1	0.126	0.086	2.6270	
480 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
480 minute winter	S9	16.000	S5	2.1	-0.068	0.008	0.4186	
480 minute winter	S9	5.000	S12	-1.0	0.067	-0.012	1.6216	
480 minute winter	S9	2.000	S10	-1.2	-0.077	-0.015	0.4992	
480 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
480 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
480 minute winter	S5	15.001	S7	6.4	0.106	0.153	3.3685	
480 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
480 minute winter	S7	15.002	S8	7.7	0.174	0.108	1.2526	
480 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
480 minute winter	S8	15.003	S20	7.8	0.164	0.141	2.1894	
480 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
480 minute winter	S20	1.009	S21	20.1	0.313	0.712	7.6477	
480 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
480 minute winter	S21	1.010	S23	21.1	0.373	0.375	1.8405	
480 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
480 minute winter	S22	25.000	S23	-0.5	-0.075	-0.015	5.6036	
480 minute winter	S23	1.011	S24	35.0	0.667	0.391	0.6663	
480 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
480 minute winter	S24	1.012	Pond In 2	39.0	0.897	0.303	0.2843	
480 minute winter	Pond In 2	Flow through pond	Pond Out	29.8	0.020	0.004	621.3880	
480 minute winter	Pond Out	34.000	Control MH	33.1	0.710	0.231	0.6338	
480 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	237.6
480 minute winter	PP1	1.000	S11	2.2	0.448	0.777	0.1514	
480 minute winter	PP2	15.000	S5	4.7	0.699	1.008	0.2560	



Results for 100 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	PP3	328	0.921	0.121	7.5	40.8578	0.0000	SURCHARGED
480 minute winter	PP4	456	1.062	0.124	28.2	257.5988	0.0000	SURCHARGED
480 minute winter	PP5	336	1.033	0.095	12.3	75.9817	0.0000	OK

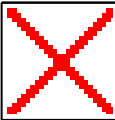
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	PP3	17.000	S6	3.2	0.456	1.320	0.2983	
480 minute winter	PP4	28.000	S2	3.9	0.536	1.158	0.4335	
480 minute winter	PP5	31.000	S3	4.9	0.709	1.036	0.2640	



Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S3	345	0.524	0.174	10.0	0.1877	0.0000	OK
600 minute summer	S4	330	0.477	0.157	11.9	0.2768	0.0000	OK
600 minute summer	Pond In 1	765	0.416	0.411	11.9	0.0000	0.0000	OK
600 minute summer	S10	330	0.548	0.118	1.4	0.1273	0.0000	OK
600 minute summer	S11	330	0.548	0.128	2.1	0.1381	0.0000	OK
600 minute summer	S12	330	0.548	0.138	2.3	0.1969	0.0000	OK
600 minute summer	S13	330	0.548	0.138	0.1	0.1488	0.0000	OK
600 minute summer	S14	330	0.548	0.148	2.8	0.2044	0.0000	OK
600 minute summer	S15	330	0.547	0.157	4.3	0.2543	0.0000	OK
600 minute summer	S16	330	0.547	0.167	4.3	0.1799	0.0000	OK
600 minute summer	S17	330	0.546	0.176	5.3	0.2383	0.0000	OK
600 minute summer	S18	330	0.546	0.186	6.3	0.2508	0.0000	OK
600 minute summer	S19	330	0.545	0.195	6.4	0.2107	0.0000	OK
600 minute summer	S1	345	0.527	0.137	0.2	0.1475	0.0000	OK
600 minute summer	S2	345	0.527	0.147	5.7	0.1583	0.0000	OK

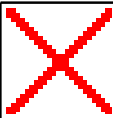
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S3	28.002	S4	10.0	0.190	0.354	2.2326	
600 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
600 minute summer	S4	28.003	Pond In 1	11.9	0.373	0.297	0.4585	
600 minute summer	Pond In 1	Flow through pond	Pond Out	28.3	0.016	0.004	564.3067	
600 minute summer	S10	2.001	S11	-1.4	-0.051	-0.010	0.1748	
600 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
600 minute summer	S11	1.001	S12	1.3	0.090	0.022	1.0742	
600 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
600 minute summer	S12	1.002	S14	2.4	0.095	0.022	0.3760	
600 minute summer	S13	8.000	S14	-0.1	-0.024	-0.001	0.5664	
600 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
600 minute summer	S14	1.003	S15	2.9	0.096	0.047	1.2772	
600 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
600 minute summer	S15	1.004	S16	4.3	0.129	0.083	1.8469	
600 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
600 minute summer	S16	1.005	S17	4.4	0.132	0.046	0.6111	
600 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
600 minute summer	S17	1.006	S18	5.3	0.119	0.051	0.5674	
600 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
600 minute summer	S18	1.007	S19	6.4	0.105	0.100	1.5852	
600 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
600 minute summer	S19	1.008	S20	6.4	0.096	0.137	3.0552	
600 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
600 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
600 minute summer	S1	30.000	S2	-0.2	-0.029	-0.005	2.6775	
600 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
600 minute summer	S2	18.000	S6	-2.7	-0.344	-1.454	0.0783	
600 minute summer	S2	32.000	S3	5.5	0.111	0.087	3.8402	



Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S6	330	0.546	0.176	3.7	0.1899	0.0000	OK
600 minute summer	S9	330	0.548	0.108	2.5	0.1163	0.0000	OK
600 minute summer	S5	330	0.548	0.178	6.3	0.1919	0.0000	OK
600 minute summer	S7	330	0.546	0.186	7.2	0.2006	0.0000	OK
600 minute summer	S8	330	0.545	0.195	7.5	0.2105	0.0000	OK
600 minute summer	S20	330	0.544	0.204	19.7	0.5981	0.0000	OK
600 minute summer	S21	330	0.511	0.181	20.8	0.2402	0.0000	OK
600 minute summer	S22	315	0.498	0.168	0.5	0.2408	0.0000	OK
600 minute summer	S23	315	0.498	0.178	35.8	0.7964	0.0000	OK
600 minute summer	S24	315	0.464	0.154	40.0	0.3134	0.0000	OK
600 minute summer	Pond In 2	795	0.417	0.412	39.9	0.0000	0.0000	OK
600 minute summer	Pond Out	765	0.414	0.414	28.3	0.0000	0.0000	SURCHARGED
600 minute summer	Control MH	765	0.413	0.563	26.4	0.9954	0.0000	SURCHARGED
600 minute summer	Outfall	375	-0.645	0.045	6.9	0.0000	0.0000	OK
600 minute summer	1							
600 minute summer	PP1	330	0.900	0.070	2.9	6.0633	0.0000	OK
600 minute summer	PP2	375	1.033	0.083	10.7	46.0046	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	S6	17.001	S7	3.7	0.126	0.079	2.6135	
600 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
600 minute summer	S9	16.000	S5	2.4	0.058	0.008	0.4158	
600 minute summer	S9	5.000	S12	-1.2	0.065	-0.015	1.6089	
600 minute summer	S9	2.000	S10	-1.4	0.080	-0.017	0.4949	
600 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
600 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
600 minute summer	S5	15.001	S7	6.3	0.106	0.152	3.3512	
600 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
600 minute summer	S7	15.002	S8	7.5	0.167	0.104	1.2467	
600 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
600 minute summer	S8	15.003	S20	7.6	0.156	0.137	2.1803	
600 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
600 minute summer	S20	1.009	S21	19.9	0.311	0.703	7.6329	
600 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
600 minute summer	S21	1.010	S23	20.9	0.370	0.372	1.8448	
600 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
600 minute summer	S22	25.000	S23	-0.5	-0.061	-0.015	5.6663	
600 minute summer	S23	1.011	S24	35.3	0.667	0.395	0.6755	
600 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
600 minute summer	S24	1.012	Pond In 2	39.9	0.902	0.310	0.2750	
600 minute summer	Pond In 2	Flow through pond	Pond Out	28.3	0.016	0.004	564.3067	
600 minute summer	Pond Out	34.000	Control MH	26.4	0.441	0.183	0.6338	
600 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	270.8
600 minute summer	PP1	1.000	S11	2.1	0.444	0.749	0.1474	
600 minute summer	PP2	15.000	S5	4.4	0.698	0.952	0.2433	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

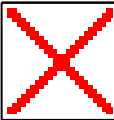
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	PP3	375	0.913	0.113	8.1	35.6541	0.0000	SURCHARGED
600 minute summer	PP4	495	1.049	0.111	30.6	224.9916	0.0000	SURCHARGED
600 minute summer	PP5	375	1.024	0.086	13.3	67.0106	0.0000	OK

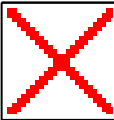
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	PP3	17.000	S6	3.1	0.444	1.279	0.2961	
600 minute summer	PP4	28.000	S2	3.8	0.524	1.128	0.4307	
600 minute summer	PP5	31.000	S3	4.6	0.709	0.983	0.2508	



Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S3	360	0.522	0.172	9.8	0.1860	0.0000	OK
600 minute winter	S4	345	0.475	0.155	11.5	0.2732	0.0000	OK
600 minute winter	Pond In 1	795	0.467	0.462	11.5	0.0000	0.0000	OK
600 minute winter	S10	345	0.537	0.107	1.0	0.1154	0.0000	OK
600 minute winter	S11	345	0.537	0.117	1.9	0.1262	0.0000	OK
600 minute winter	S12	345	0.537	0.127	2.3	0.1811	0.0000	OK
600 minute winter	S13	345	0.537	0.127	0.0	0.1368	0.0000	OK
600 minute winter	S14	345	0.537	0.137	2.7	0.1890	0.0000	OK
600 minute winter	S15	345	0.536	0.146	4.0	0.2362	0.0000	OK
600 minute winter	S16	345	0.535	0.155	4.1	0.1676	0.0000	OK
600 minute winter	S17	345	0.535	0.165	4.9	0.2229	0.0000	OK
600 minute winter	S18	345	0.534	0.174	5.7	0.2354	0.0000	OK
600 minute winter	S19	345	0.534	0.184	5.7	0.1984	0.0000	OK
600 minute winter	S1	360	0.525	0.135	0.1	0.1456	0.0000	OK
600 minute winter	S2	360	0.525	0.145	5.3	0.1564	0.0000	OK

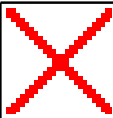
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S3	28.002	S4	9.8	0.190	0.349	2.2037	
600 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
600 minute winter	S4	28.003	Pond In 1	11.5	0.369	0.287	0.6943	
600 minute winter	Pond In 1	Flow through pond	Pond Out	26.8	0.018	0.003	639.8555	
600 minute winter	S10	2.001	S11	-1.0	-0.048	-0.007	0.1531	
600 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
600 minute winter	S11	1.001	S12	1.2	0.080	0.020	0.9513	
600 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
600 minute winter	S12	1.002	S14	2.4	0.093	0.022	0.3360	
600 minute winter	S13	8.000	S14	0.0	-0.027	0.000	0.5061	
600 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
600 minute winter	S14	1.003	S15	2.8	0.097	0.046	1.1501	
600 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
600 minute winter	S15	1.004	S16	4.1	0.141	0.078	1.6733	
600 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
600 minute winter	S16	1.005	S17	4.1	0.143	0.042	0.5568	
600 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
600 minute winter	S17	1.006	S18	4.9	0.129	0.047	0.5200	
600 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
600 minute winter	S18	1.007	S19	5.7	0.110	0.090	1.4604	
600 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
600 minute winter	S19	1.008	S20	5.8	0.093	0.123	2.8279	
600 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
600 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
600 minute winter	S1	30.000	S2	-0.1	-0.038	-0.003	2.6324	
600 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
600 minute winter	S2	18.000	S6	-2.1	-0.263	-1.112	0.0783	
600 minute winter	S2	32.000	S3	5.2	0.105	0.083	3.7872	



Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S6	345	0.535	0.165	3.8	0.1781	0.0000	OK
600 minute winter	S9	345	0.537	0.097	1.7	0.1044	0.0000	OK
600 minute winter	S5	345	0.537	0.167	5.6	0.1800	0.0000	OK
600 minute winter	S7	345	0.535	0.175	7.3	0.1888	0.0000	OK
600 minute winter	S8	345	0.534	0.184	7.4	0.1985	0.0000	OK
600 minute winter	S20	345	0.533	0.193	17.9	0.5649	0.0000	OK
600 minute winter	S21	330	0.500	0.170	18.7	0.2251	0.0000	OK
600 minute winter	S22	330	0.485	0.155	0.4	0.2219	0.0000	OK
600 minute winter	S23	330	0.485	0.165	30.5	0.7375	0.0000	OK
600 minute winter	S24	810	0.468	0.158	33.9	0.3204	0.0000	OK
600 minute winter	Pond In 2	780	0.467	0.462	33.9	0.0000	0.0000	OK
600 minute winter	Pond Out	810	0.465	0.465	32.0	0.0000	0.0000	SURCHARGED
600 minute winter	Control MH	810	0.464	0.614	27.2	1.0855	0.0000	SURCHARGED
600 minute winter	Outfall 1	360	-0.645	0.045	6.9	0.0000	0.0000	OK
600 minute winter	PP1	345	0.896	0.066	2.2	5.4192	0.0000	OK
600 minute winter	PP2	390	1.034	0.084	8.2	47.6574	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	S6	17.001	S7	3.9	0.116	0.082	2.4035	
600 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
600 minute winter	S9	16.000	S5	1.6	-0.061	0.006	0.3733	
600 minute winter	S9	5.000	S12	0.8	0.059	0.010	1.4106	
600 minute winter	S9	2.000	S10	-0.9	-0.071	-0.012	0.4279	
600 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
600 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
600 minute winter	S5	15.001	S7	5.6	0.102	0.135	3.0825	
600 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
600 minute winter	S7	15.002	S8	7.4	0.162	0.104	1.1513	
600 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
600 minute winter	S8	15.003	S20	7.5	0.152	0.135	2.0198	
600 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
600 minute winter	S20	1.009	S21	18.0	0.305	0.637	7.0374	
600 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
600 minute winter	S21	1.010	S23	18.8	0.365	0.334	1.6807	
600 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
600 minute winter	S22	25.000	S23	0.8	-0.064	0.028	5.0901	
600 minute winter	S23	1.011	S24	30.5	0.640	0.342	0.6061	
600 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
600 minute winter	S24	1.012	Pond In 2	33.9	0.862	0.264	0.3208	
600 minute winter	Pond In 2	Flow through pond	Pond Out	26.8	0.018	0.003	639.8555	
600 minute winter	Pond Out	34.000	Control MH	27.2	0.657	0.189	0.6338	
600 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	274.5
600 minute winter	PP1	1.000	S11	1.9	0.433	0.677	0.1371	
600 minute winter	PP2	15.000	S5	4.5	0.699	0.970	0.2471	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

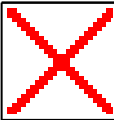
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Network: Holbeach
Terry Stafford
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Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	PP3	405	0.916	0.116	6.2	37.4564	0.0000	SURCHARGED
600 minute winter	PP4	555	1.061	0.123	23.4	256.0980	0.0000	SURCHARGED
600 minute winter	PP5	405	1.028	0.090	10.2	71.5560	0.0000	OK

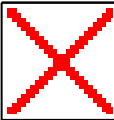
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	PP3	17.000	S6	3.1	0.448	1.294	0.2969	
600 minute winter	PP4	28.000	S2	3.9	0.536	1.157	0.4333	
600 minute winter	PP5	31.000	S3	4.8	0.709	1.015	0.2584	



Results for 100 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S3	405	0.520	0.170	9.5	0.1836	0.0000	OK
720 minute summer	S4	390	0.473	0.153	11.3	0.2704	0.0000	OK
720 minute summer	Pond In 1	840	0.422	0.417	11.2	0.0000	0.0000	OK
720 minute summer	S10	390	0.539	0.109	1.2	0.1175	0.0000	OK
720 minute summer	S11	390	0.539	0.119	1.9	0.1284	0.0000	OK
720 minute summer	S12	390	0.539	0.129	2.2	0.1840	0.0000	OK
720 minute summer	S13	390	0.539	0.129	0.1	0.1390	0.0000	OK
720 minute summer	S14	390	0.539	0.139	2.7	0.1918	0.0000	OK
720 minute summer	S15	390	0.538	0.148	3.9	0.2397	0.0000	OK
720 minute summer	S16	390	0.537	0.157	4.0	0.1701	0.0000	OK
720 minute summer	S17	390	0.537	0.167	4.9	0.2260	0.0000	OK
720 minute summer	S18	390	0.537	0.177	5.8	0.2385	0.0000	OK
720 minute summer	S19	390	0.536	0.186	5.8	0.2009	0.0000	OK
720 minute summer	S1	405	0.523	0.133	0.2	0.1433	0.0000	OK
720 minute summer	S2	405	0.523	0.143	5.4	0.1541	0.0000	OK

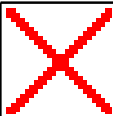
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	S3	28.002	S4	9.5	0.188	0.338	2.1694	
720 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
720 minute summer	S4	28.003	Pond In 1	11.2	0.366	0.280	0.4513	
720 minute summer	Pond In 1	Flow through pond	Pond Out	25.9	0.015	0.003	574.0941	
720 minute summer	S10	2.001	S11	-1.2	-0.047	-0.008	0.1570	
720 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
720 minute summer	S11	1.001	S12	1.2	0.093	0.020	0.9735	
720 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
720 minute summer	S12	1.002	S14	2.3	0.097	0.021	0.3433	
720 minute summer	S13	8.000	S14	-0.1	-0.024	-0.001	0.5172	
720 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
720 minute summer	S14	1.003	S15	2.8	0.093	0.045	1.1739	
720 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
720 minute summer	S15	1.004	S16	4.0	0.123	0.076	1.7068	
720 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
720 minute summer	S16	1.005	S17	4.0	0.131	0.042	0.5676	
720 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
720 minute summer	S17	1.006	S18	4.9	0.120	0.047	0.5294	
720 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
720 minute summer	S18	1.007	S19	5.8	0.112	0.091	1.4854	
720 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
720 minute summer	S19	1.008	S20	5.8	0.093	0.125	2.8737	
720 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
720 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
720 minute summer	S1	30.000	S2	-0.2	-0.025	-0.005	2.5777	
720 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
720 minute summer	S2	18.000	S6	-2.4	-0.301	-1.275	0.0783	
720 minute summer	S2	32.000	S3	5.2	0.108	0.083	3.7167	



Results for 100 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	S6	390	0.537	0.167	3.7	0.1802	0.0000	OK
720 minute summer	S9	390	0.539	0.099	2.1	0.1066	0.0000	OK
720 minute summer	S5	390	0.539	0.169	5.7	0.1822	0.0000	OK
720 minute summer	S7	390	0.537	0.177	7.1	0.1909	0.0000	OK
720 minute summer	S8	390	0.536	0.186	7.2	0.2008	0.0000	OK
720 minute summer	S20	390	0.535	0.195	18.1	0.5716	0.0000	OK
720 minute summer	S21	390	0.502	0.172	19.0	0.2287	0.0000	OK
720 minute summer	S22	375	0.489	0.159	0.4	0.2277	0.0000	OK
720 minute summer	S23	375	0.489	0.169	32.2	0.7557	0.0000	OK
720 minute summer	S24	375	0.456	0.146	35.9	0.2969	0.0000	OK
720 minute summer	Pond In 2	750	0.421	0.416	35.9	0.0000	0.0000	OK
720 minute summer	Pond Out	855	0.420	0.420	25.9	0.0000	0.0000	SURCHARGED
720 minute summer	Control MH	855	0.420	0.570	32.1	1.0071	0.0000	SURCHARGED
720 minute summer	Outfall	435	-0.645	0.045	6.9	0.0000	0.0000	OK
720 minute summer	1							
720 minute summer	PP1	390	0.896	0.066	2.5	5.4022	0.0000	OK
720 minute summer	PP2	435	1.030	0.080	9.4	43.5252	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	S6	17.001	S7	3.7	0.123	0.078	2.4404	
720 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
720 minute summer	S9	16.000	S5	1.9	0.052	0.007	0.3808	
720 minute summer	S9	5.000	S12	-1.0	0.057	-0.012	1.4459	
720 minute summer	S9	2.000	S10	-1.1	0.073	-0.014	0.4396	
720 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
720 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
720 minute summer	S5	15.001	S7	5.8	0.103	0.138	3.1302	
720 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
720 minute summer	S7	15.002	S8	7.2	0.160	0.101	1.1688	
720 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
720 minute summer	S8	15.003	S20	7.3	0.150	0.131	2.0511	
720 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
720 minute summer	S20	1.009	S21	18.2	0.303	0.643	7.1715	
720 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
720 minute summer	S21	1.010	S23	19.1	0.363	0.339	1.7214	
720 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
720 minute summer	S22	25.000	S23	-0.4	-0.057	-0.012	5.2672	
720 minute summer	S23	1.011	S24	31.8	0.648	0.357	0.6283	
720 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
720 minute summer	S24	1.012	Pond In 2	35.9	0.876	0.279	0.2548	
720 minute summer	Pond In 2	Flow through pond	Pond Out	25.9	0.015	0.003	574.0941	
720 minute summer	Pond Out	34.000	Control MH	32.1	0.659	0.223	0.6338	
720 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	308.5
720 minute summer	PP1	1.000	S11	1.9	0.432	0.675	0.1368	
720 minute summer	PP2	15.000	S5	4.3	0.695	0.923	0.2370	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

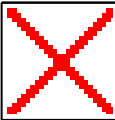
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	PP3	435	0.910	0.110	7.1	33.4969	0.0000	SURCHARGED
720 minute summer	PP4	555	1.048	0.110	27.0	224.2921	0.0000	SURCHARGED
720 minute summer	PP5	450	1.021	0.083	11.8	64.6575	0.0000	OK

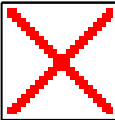
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	PP3	17.000	S6	3.0	0.439	1.259	0.2949	
720 minute summer	PP4	28.000	S2	3.8	0.524	1.127	0.4307	
720 minute summer	PP5	31.000	S3	4.5	0.709	0.963	0.2464	



Results for 100 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S3	435	0.518	0.168	9.3	0.1816	0.0000	OK
720 minute winter	S4	855	0.478	0.158	10.9	0.2800	0.0000	OK
720 minute winter	Pond In 1	870	0.476	0.471	10.9	0.0000	0.0000	OK
720 minute winter	S10	405	0.529	0.099	0.8	0.1068	0.0000	OK
720 minute winter	S11	405	0.529	0.109	1.7	0.1177	0.0000	OK
720 minute winter	S12	405	0.529	0.119	2.2	0.1698	0.0000	OK
720 minute winter	S13	405	0.529	0.119	0.1	0.1282	0.0000	OK
720 minute winter	S14	405	0.529	0.129	2.7	0.1781	0.0000	OK
720 minute winter	S15	405	0.528	0.138	3.8	0.2235	0.0000	OK
720 minute winter	S16	405	0.527	0.147	3.8	0.1591	0.0000	OK
720 minute winter	S17	405	0.527	0.157	4.5	0.2122	0.0000	OK
720 minute winter	S18	405	0.527	0.167	5.3	0.2248	0.0000	OK
720 minute winter	S19	405	0.526	0.176	5.3	0.1899	0.0000	OK
720 minute winter	S1	435	0.521	0.131	0.1	0.1410	0.0000	OK
720 minute winter	S2	435	0.521	0.141	4.9	0.1518	0.0000	OK

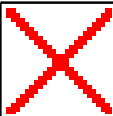
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S3	28.002	S4	9.3	0.187	0.332	2.1326	
720 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
720 minute winter	S4	28.003	Pond In 1	10.9	0.362	0.271	0.7491	
720 minute winter	Pond In 1	Flow through pond	Pond Out	24.4	0.017	0.003	653.6730	
720 minute winter	S10	2.001	S11	-0.8	-0.043	-0.005	0.1380	
720 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
720 minute winter	S11	1.001	S12	1.1	0.076	0.019	0.8655	
720 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
720 minute winter	S12	1.002	S14	2.2	0.092	0.021	0.3082	
720 minute winter	S13	8.000	S14	0.1	-0.027	0.001	0.4641	
720 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
720 minute winter	S14	1.003	S15	2.7	0.098	0.045	1.0618	
720 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
720 minute winter	S15	1.004	S16	3.8	0.139	0.073	1.5535	
720 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
720 minute winter	S16	1.005	S17	3.8	0.134	0.040	0.5196	
720 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
720 minute winter	S17	1.006	S18	4.5	0.121	0.043	0.4876	
720 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
720 minute winter	S18	1.007	S19	5.3	0.112	0.084	1.3747	
720 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
720 minute winter	S19	1.008	S20	5.3	0.089	0.114	2.6711	
720 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
720 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
720 minute winter	S1	30.000	S2	-0.1	-0.030	-0.003	2.5219	
720 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
720 minute winter	S2	18.000	S6	-1.7	-0.220	-0.931	0.0783	
720 minute winter	S2	32.000	S3	4.9	0.103	0.077	3.6520	



Results for 100 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	S6	405	0.527	0.157	3.7	0.1697	0.0000	OK
720 minute winter	S9	405	0.529	0.089	1.3	0.0959	0.0000	OK
720 minute winter	S5	405	0.529	0.159	5.1	0.1715	0.0000	OK
720 minute winter	S7	405	0.527	0.167	7.1	0.1803	0.0000	OK
720 minute winter	S8	405	0.526	0.176	7.2	0.1900	0.0000	OK
720 minute winter	S20	405	0.525	0.185	16.6	0.5417	0.0000	OK
720 minute winter	S21	405	0.491	0.161	17.2	0.2137	0.0000	OK
720 minute winter	S22	900	0.482	0.152	1.8	0.2175	0.0000	OK
720 minute winter	S23	900	0.477	0.157	27.4	0.7031	0.0000	OK
720 minute winter	S24	945	0.478	0.168	30.3	0.3420	0.0000	OK
720 minute winter	Pond In 2	960	0.480	0.475	30.3	0.0000	0.0000	OK
720 minute winter	Pond Out	885	0.474	0.474	31.9	0.0000	0.0000	SURCHARGED
720 minute winter	Control MH	885	0.474	0.624	35.2	1.1018	0.0000	SURCHARGED
720 minute winter	Outfall 1	420	-0.645	0.045	6.9	0.0000	0.0000	OK
720 minute winter	PP1	405	0.891	0.061	1.9	4.7215	0.0000	OK
720 minute winter	PP2	465	1.030	0.080	7.1	44.0537	0.0000	OK

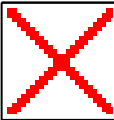
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	S6	17.001	S7	3.8	0.106	0.080	2.2548	
720 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
720 minute winter	S9	16.000	S5	1.2	-0.052	0.004	0.3434	
720 minute winter	S9	5.000	S12	0.8	0.048	0.009	1.2724	
720 minute winter	S9	2.000	S10	-0.8	-0.066	-0.010	0.3813	
720 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
720 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
720 minute winter	S5	15.001	S7	5.1	0.099	0.123	2.8920	
720 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
720 minute winter	S7	15.002	S8	7.2	0.160	0.101	1.0841	
720 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
720 minute winter	S8	15.003	S20	7.3	0.150	0.131	1.9080	
720 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
720 minute winter	S20	1.009	S21	16.6	0.298	0.586	6.6165	
720 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
720 minute winter	S21	1.010	S23	17.2	0.358	0.306	1.5624	
720 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
720 minute winter	S22	25.000	S23	-1.8	-0.059	-0.059	4.8570	
720 minute winter	S23	1.011	S24	27.3	0.619	0.306	0.6518	
720 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
720 minute winter	S24	1.012	Pond In 2	30.3	0.832	0.236	0.3467	
720 minute winter	Pond In 2	Flow through pond	Pond Out	24.4	0.017	0.003	653.6730	
720 minute winter	Pond Out	34.000	Control MH	35.2	0.690	0.245	0.6338	
720 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	313.2
720 minute winter	PP1	1.000	S11	1.7	0.419	0.599	0.1253	
720 minute winter	PP2	15.000	S5	4.3	0.696	0.929	0.2384	



Results for 100 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	PP3	465	0.912	0.112	5.4	34.7759	0.0000	SURCHARGED
720 minute winter	PP4	585	1.060	0.122	20.3	254.0925	0.0000	SURCHARGED
720 minute winter	PP5	480	1.024	0.086	8.8	67.4950	0.0000	OK

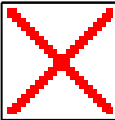
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	PP3	17.000	S6	3.1	0.442	1.272	0.2957	
720 minute winter	PP4	28.000	S2	3.9	0.535	1.155	0.4332	
720 minute winter	PP5	31.000	S3	4.7	0.709	0.987	0.2517	



Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S3	540	0.513	0.163	8.8	0.1765	0.0000	OK
960 minute summer	S4	525	0.468	0.148	10.3	0.2610	0.0000	OK
960 minute summer	Pond In 1	1020	0.430	0.425	10.3	0.0000	0.0000	OK
960 minute summer	S10	510	0.526	0.096	0.9	0.1034	0.0000	OK
960 minute summer	S11	510	0.526	0.106	1.7	0.1143	0.0000	OK
960 minute summer	S12	510	0.526	0.116	2.0	0.1653	0.0000	OK
960 minute summer	S13	510	0.526	0.116	0.0	0.1249	0.0000	OK
960 minute summer	S14	510	0.526	0.126	2.5	0.1737	0.0000	OK
960 minute summer	S15	510	0.525	0.135	3.5	0.2185	0.0000	OK
960 minute summer	S16	510	0.524	0.144	3.5	0.1558	0.0000	OK
960 minute summer	S17	510	0.524	0.154	4.3	0.2082	0.0000	OK
960 minute summer	S18	510	0.524	0.164	5.0	0.2208	0.0000	OK
960 minute summer	S19	510	0.523	0.173	5.0	0.1867	0.0000	OK
960 minute summer	S1	540	0.516	0.126	0.1	0.1360	0.0000	OK
960 minute summer	S2	540	0.516	0.136	4.9	0.1468	0.0000	OK

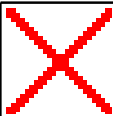
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S3	28.002	S4	8.8	0.182	0.312	2.0605	
960 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
960 minute summer	S4	28.003	Pond In 1	10.3	0.355	0.258	0.4876	
960 minute summer	Pond In 1	Flow through pond	Pond Out	24.0	0.014	0.003	585.0231	
960 minute summer	S10	2.001	S11	-0.9	-0.042	-0.006	0.1321	
960 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
960 minute summer	S11	1.001	S12	1.1	0.092	0.018	0.8321	
960 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
960 minute summer	S12	1.002	S14	2.1	0.093	0.019	0.2973	
960 minute summer	S13	8.000	S14	0.0	-0.023	-0.001	0.4478	
960 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
960 minute summer	S14	1.003	S15	2.5	0.086	0.042	1.0278	
960 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
960 minute summer	S15	1.004	S16	3.5	0.125	0.067	1.5079	
960 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
960 minute summer	S16	1.005	S17	3.6	0.133	0.037	0.5056	
960 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
960 minute summer	S17	1.006	S18	4.3	0.123	0.041	0.4754	
960 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
960 minute summer	S18	1.007	S19	5.0	0.113	0.079	1.3428	
960 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
960 minute summer	S19	1.008	S20	5.1	0.088	0.108	2.6135	
960 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
960 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
960 minute summer	S1	30.000	S2	-0.1	-0.022	-0.003	2.4028	
960 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
960 minute summer	S2	18.000	S6	-1.9	0.258	-1.012	0.0783	
960 minute summer	S2	32.000	S3	4.7	0.104	0.075	3.5023	



Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S6	510	0.524	0.154	3.5	0.1662	0.0000	OK
960 minute summer	S9	510	0.526	0.086	1.6	0.0925	0.0000	OK
960 minute summer	S5	510	0.526	0.156	4.9	0.1681	0.0000	OK
960 minute summer	S7	510	0.524	0.164	6.7	0.1769	0.0000	OK
960 minute summer	S8	510	0.523	0.173	6.8	0.1867	0.0000	OK
960 minute summer	S20	510	0.522	0.182	15.8	0.5333	0.0000	OK
960 minute summer	S21	510	0.490	0.160	16.5	0.2121	0.0000	OK
960 minute summer	S22	495	0.476	0.146	1.0	0.2085	0.0000	OK
960 minute summer	S23	495	0.476	0.156	27.3	0.6959	0.0000	OK
960 minute summer	S24	495	0.444	0.134	30.3	0.2731	0.0000	OK
960 minute summer	Pond In 2	1155	0.432	0.427	30.3	0.0000	0.0000	OK
960 minute summer	Pond Out	1020	0.428	0.428	36.0	0.0000	0.0000	SURCHARGED
960 minute summer	Control MH	1020	0.427	0.577	20.9	1.0201	0.0000	SURCHARGED
960 minute summer	Outfall	555	-0.645	0.045	6.9	0.0000	0.0000	OK
960 minute summer	1							
960 minute summer	PP1	525	0.890	0.060	2.0	4.6281	0.0000	OK
960 minute summer	PP2	570	1.024	0.074	7.6	38.8492	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	S6	17.001	S7	3.5	0.113	0.075	2.1942	
960 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
960 minute summer	S9	16.000	S5	1.5	-0.048	0.005	0.3316	
960 minute summer	S9	5.000	S12	-0.7	0.051	-0.009	1.2184	
960 minute summer	S9	2.000	S10	-0.9	-0.062	-0.011	0.3631	
960 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
960 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
960 minute summer	S5	15.001	S7	4.9	0.098	0.118	2.8153	
960 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
960 minute summer	S7	15.002	S8	6.8	0.159	0.094	1.0576	
960 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
960 minute summer	S8	15.003	S20	6.8	0.148	0.123	1.8660	
960 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
960 minute summer	S20	1.009	S21	15.8	0.292	0.560	6.5112	
960 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
960 minute summer	S21	1.010	S23	16.6	0.352	0.295	1.5493	
960 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
960 minute summer	S22	25.000	S23	1.4	0.053	0.045	4.6895	
960 minute summer	S23	1.011	S24	27.1	0.617	0.303	0.5608	
960 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
960 minute summer	S24	1.012	Pond In 2	30.3	0.831	0.236	0.2266	
960 minute summer	Pond In 2	Flow through pond	Pond Out	24.0	0.014	0.003	585.0231	
960 minute summer	Pond Out	34.000	Control MH	20.9	0.416	0.145	0.6338	
960 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	386.1
960 minute summer	PP1	1.000	S11	1.7	0.417	0.588	0.1237	
960 minute summer	PP2	15.000	S5	4.0	0.686	0.859	0.2238	



Stafford Infrastructure Eng.
13 Gostwick
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Peterborough PE2 5XF

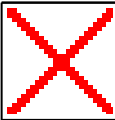
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Network: Holbeach
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Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	PP3	570	0.904	0.104	5.7	30.0890	0.0000	SURCHARGED
960 minute summer	PP4	675	1.047	0.109	21.7	221.8839	0.0000	SURCHARGED
960 minute summer	PP5	570	1.016	0.078	9.5	59.5216	0.0000	OK

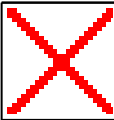
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	PP3	17.000	S6	2.9	0.431	1.183	0.2906	
960 minute summer	PP4	28.000	S2	3.8	0.523	1.122	0.4301	
960 minute summer	PP5	31.000	S3	4.3	0.704	0.912	0.2354	



Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S3	570	0.511	0.161	8.5	0.1735	0.0000	OK
960 minute winter	S4	1005	0.487	0.167	9.8	0.2951	0.0000	OK
960 minute winter	Pond In 1	1020	0.485	0.480	9.8	0.0000	0.0000	OK
960 minute winter	S10	540	0.516	0.086	0.6	0.0932	0.0000	OK
960 minute winter	S11	540	0.516	0.096	1.4	0.1040	0.0000	OK
960 minute winter	S12	540	0.516	0.106	1.9	0.1516	0.0000	OK
960 minute winter	S13	540	0.516	0.106	0.1	0.1145	0.0000	OK
960 minute winter	S14	540	0.516	0.116	2.4	0.1604	0.0000	OK
960 minute winter	S15	540	0.515	0.125	3.4	0.2026	0.0000	OK
960 minute winter	S16	540	0.514	0.134	3.4	0.1451	0.0000	OK
960 minute winter	S17	540	0.514	0.144	3.9	0.1947	0.0000	OK
960 minute winter	S18	540	0.514	0.154	4.5	0.2072	0.0000	OK
960 minute winter	S19	540	0.513	0.163	4.5	0.1759	0.0000	OK
960 minute winter	S1	570	0.513	0.123	0.1	0.1328	0.0000	OK
960 minute winter	S2	570	0.513	0.133	4.4	0.1436	0.0000	OK

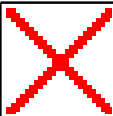
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S3	28.002	S4	8.5	0.181	0.302	2.0801	
960 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
960 minute winter	S4	28.003	Pond In 1	9.8	0.347	0.243	0.8015	
960 minute winter	Pond In 1	Flow through pond	Pond Out	21.2	0.015	0.003	666.8434	
960 minute winter	S10	2.001	S11	-0.6	-0.038	-0.004	0.1147	
960 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
960 minute winter	S11	1.001	S12	1.0	0.095	0.016	0.7324	
960 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
960 minute winter	S12	1.002	S14	2.0	0.098	0.018	0.2646	
960 minute winter	S13	8.000	S14	0.1	-0.024	0.001	0.3983	
960 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
960 minute winter	S14	1.003	S15	2.5	0.090	0.040	0.9222	
960 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
960 minute winter	S15	1.004	S16	3.4	0.123	0.064	1.3616	
960 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
960 minute winter	S16	1.005	S17	3.4	0.128	0.035	0.4594	
960 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
960 minute winter	S17	1.006	S18	3.9	0.116	0.038	0.4348	
960 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
960 minute winter	S18	1.007	S19	4.5	0.111	0.072	1.2356	
960 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
960 minute winter	S19	1.008	S20	4.5	0.085	0.097	2.4175	
960 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
960 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
960 minute winter	S1	30.000	S2	0.2	-0.024	0.004	2.3269	
960 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
960 minute winter	S2	18.000	S6	1.6	0.199	0.841	0.0783	
960 minute winter	S2	32.000	S3	4.3	0.098	0.068	3.4105	



Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S6	540	0.515	0.145	3.5	0.1564	0.0000	OK
960 minute winter	S9	540	0.516	0.076	1.0	0.0823	0.0000	OK
960 minute winter	S5	540	0.516	0.146	4.3	0.1579	0.0000	OK
960 minute winter	S7	540	0.514	0.154	6.6	0.1668	0.0000	OK
960 minute winter	S8	540	0.513	0.163	6.7	0.1764	0.0000	OK
960 minute winter	S20	540	0.512	0.172	14.4	0.5041	0.0000	OK
960 minute winter	S21	1035	0.490	0.160	14.9	0.2128	0.0000	OK
960 minute winter	S22	1035	0.492	0.162	2.0	0.2324	0.0000	OK
960 minute winter	S23	1035	0.488	0.168	23.1	0.7519	0.0000	OK
960 minute winter	S24	1125	0.489	0.179	25.5	0.3636	0.0000	OK
960 minute winter	Pond In 2	975	0.487	0.482	25.5	0.0000	0.0000	OK
960 minute winter	Pond Out	1065	0.483	0.483	32.3	0.0000	0.0000	SURCHARGED
960 minute winter	Control MH	1065	0.482	0.632	23.9	1.1172	0.0000	SURCHARGED
960 minute winter	Outfall 1	540	-0.645	0.045	6.9	0.0000	0.0000	OK
960 minute winter	PP1	525	0.885	0.055	1.5	3.8488	0.0000	OK
960 minute winter	PP2	585	1.023	0.073	5.6	37.7020	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	S6	17.001	S7	3.5	0.107	0.075	2.0218	
960 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
960 minute winter	S9	16.000	S5	-1.0	-0.049	-0.004	0.2969	
960 minute winter	S9	5.000	S12	0.6	0.049	0.008	1.0590	
960 minute winter	S9	2.000	S10	-0.6	-0.059	-0.007	0.3100	
960 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
960 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
960 minute winter	S5	15.001	S7	4.3	0.093	0.103	2.5913	
960 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
960 minute winter	S7	15.002	S8	6.7	0.155	0.093	0.9778	
960 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
960 minute winter	S8	15.003	S20	6.7	0.144	0.121	1.7288	
960 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
960 minute winter	S20	1.009	S21	14.4	0.288	0.510	5.9593	
960 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
960 minute winter	S21	1.010	S23	14.9	0.348	0.265	1.6393	
960 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
960 minute winter	S22	25.000	S23	-2.0	-0.046	-0.064	5.3196	
960 minute winter	S23	1.011	S24	23.1	0.589	0.258	0.7059	
960 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
960 minute winter	S24	1.012	Pond In 2	25.5	0.794	0.198	0.3701	
960 minute winter	Pond In 2	Flow through pond	Pond Out	21.2	0.015	0.003	666.8434	
960 minute winter	Pond Out	34.000	Control MH	23.9	0.370	0.166	0.6338	
960 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	390.8
960 minute winter	PP1	1.000	S11	1.4	0.400	0.500	0.1101	
960 minute winter	PP2	15.000	S5	3.9	0.684	0.842	0.2203	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

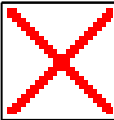
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Network: Holbeach
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10/01/2024

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Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	PP3	600	0.903	0.103	4.3	29.7264	0.0000	SURCHARGED
960 minute winter	PP4	735	1.059	0.121	16.1	249.9060	0.0000	SURCHARGED
960 minute winter	PP5	615	1.017	0.079	7.0	60.4356	0.0000	OK

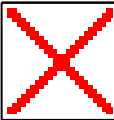
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	PP3	17.000	S6	2.8	0.430	1.174	0.2901	
960 minute winter	PP4	28.000	S2	3.8	0.533	1.151	0.4328	
960 minute winter	PP5	31.000	S3	4.4	0.705	0.922	0.2375	



Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S3	780	0.502	0.152	7.5	0.1641	0.0000	OK
1440 minute summer	S4	780	0.457	0.137	8.7	0.2430	0.0000	OK
1440 minute summer	Pond In 1	1440	0.420	0.415	8.7	0.0000	0.0000	OK
1440 minute summer	S10	780	0.508	0.078	0.5	0.0842	0.0000	OK
1440 minute summer	S11	780	0.508	0.088	1.3	0.0951	0.0000	OK
1440 minute summer	S12	780	0.508	0.098	1.6	0.1398	0.0000	OK
1440 minute summer	S13	780	0.508	0.098	0.0	0.1055	0.0000	OK
1440 minute summer	S14	780	0.508	0.108	2.1	0.1489	0.0000	OK
1440 minute summer	S15	780	0.507	0.117	3.0	0.1891	0.0000	OK
1440 minute summer	S16	780	0.506	0.126	3.0	0.1359	0.0000	OK
1440 minute summer	S17	780	0.506	0.136	3.5	0.1832	0.0000	OK
1440 minute summer	S18	780	0.505	0.145	4.0	0.1958	0.0000	OK
1440 minute summer	S19	780	0.504	0.154	4.0	0.1668	0.0000	OK
1440 minute summer	S1	780	0.504	0.114	0.1	0.1236	0.0000	OK
1440 minute summer	S2	780	0.504	0.124	4.0	0.1344	0.0000	OK

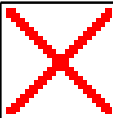
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S3	28.002	S4	7.5	0.172	0.267	1.8671	
1440 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
1440 minute summer	S4	28.003	Pond In 1	8.7	0.333	0.217	0.4355	
1440 minute summer	Pond In 1	Flow through pond	Pond Out	19.4	0.012	0.002	571.5636	
1440 minute summer	S10	2.001	S11	-0.5	-0.036	-0.004	0.1001	
1440 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
1440 minute summer	S11	1.001	S12	0.9	0.089	0.015	0.6484	
1440 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
1440 minute summer	S12	1.002	S14	1.7	0.095	0.016	0.2369	
1440 minute summer	S13	8.000	S14	0.0	0.009	0.000	0.3567	
1440 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
1440 minute summer	S14	1.003	S15	2.1	0.091	0.035	0.8338	
1440 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
1440 minute summer	S15	1.004	S16	3.0	0.112	0.057	1.2400	
1440 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
1440 minute summer	S16	1.005	S17	3.0	0.122	0.031	0.4211	
1440 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
1440 minute summer	S17	1.006	S18	3.5	0.114	0.034	0.4010	
1440 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
1440 minute summer	S18	1.007	S19	4.0	0.109	0.063	1.1462	
1440 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
1440 minute summer	S19	1.008	S20	4.0	0.080	0.086	2.2540	
1440 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
1440 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
1440 minute summer	S1	30.000	S2	-0.1	-0.017	-0.002	2.1138	
1440 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
1440 minute summer	S2	18.000	S6	1.5	0.261	0.816	0.0783	
1440 minute summer	S2	32.000	S3	3.9	0.099	0.063	3.1388	



Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S6	780	0.506	0.136	3.2	0.1473	0.0000	OK
1440 minute summer	S9	780	0.508	0.068	0.9	0.0733	0.0000	OK
1440 minute summer	S5	780	0.508	0.138	3.9	0.1489	0.0000	OK
1440 minute summer	S7	780	0.506	0.146	5.9	0.1578	0.0000	OK
1440 minute summer	S8	780	0.505	0.155	6.0	0.1673	0.0000	OK
1440 minute summer	S20	780	0.503	0.163	12.9	0.4794	0.0000	OK
1440 minute summer	S21	750	0.471	0.141	13.3	0.1871	0.0000	OK
1440 minute summer	S22	750	0.457	0.127	0.3	0.1820	0.0000	OK
1440 minute summer	S23	750	0.457	0.137	21.1	0.6131	0.0000	OK
1440 minute summer	S24	750	0.428	0.118	23.3	0.2393	0.0000	OK
1440 minute summer	Pond In 2	1500	0.418	0.413	23.3	0.0000	0.0000	OK
1440 minute summer	Pond Out	1440	0.419	0.419	27.8	0.0000	0.0000	SURCHARGED
1440 minute summer	Control MH	1440	0.418	0.568	31.4	1.0041	0.0000	SURCHARGED
1440 minute summer	Outfall 1	810	-0.645	0.045	6.9	0.0000	0.0000	OK
1440 minute summer	PP1	780	0.881	0.051	1.4	3.3967	0.0000	OK
1440 minute summer	PP2	810	1.016	0.066	5.3	31.4924	0.0000	OK

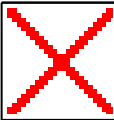
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S6	17.001	S7	3.2	0.111	0.068	1.8672	
1440 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
1440 minute summer	S9	16.000	S5	0.8	-0.042	0.003	0.2673	
1440 minute summer	S9	5.000	S12	0.6	0.048	0.007	0.9247	
1440 minute summer	S9	2.000	S10	-0.5	-0.057	-0.007	0.2652	
1440 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
1440 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
1440 minute summer	S5	15.001	S7	3.9	0.091	0.093	2.3948	
1440 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
1440 minute summer	S7	15.002	S8	6.0	0.153	0.084	0.9078	
1440 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
1440 minute summer	S8	15.003	S20	6.0	0.142	0.109	1.6124	
1440 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
1440 minute summer	S20	1.009	S21	12.9	0.276	0.458	5.5525	
1440 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
1440 minute summer	S21	1.010	S23	13.4	0.336	0.238	1.3042	
1440 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
1440 minute summer	S22	25.000	S23	0.6	-0.038	0.019	3.9107	
1440 minute summer	S23	1.011	S24	21.0	0.570	0.235	0.4687	
1440 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
1440 minute summer	S24	1.012	Pond In 2	23.3	0.773	0.181	0.1963	
1440 minute summer	Pond In 2	Flow through pond	Pond Out	19.4	0.012	0.002	571.5636	
1440 minute summer	Pond Out	34.000	Control MH	31.4	0.694	0.219	0.6338	
1440 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	532.9
1440 minute summer	PP1	1.000	S11	1.3	0.388	0.449	0.1019	
1440 minute summer	PP2	15.000	S5	3.4	0.663	0.740	0.1997	



Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	PP3	840	0.893	0.093	4.0	24.2414	0.0000	OK
1440 minute summer	PP4	960	1.044	0.106	15.2	212.1420	0.0000	SURCHARGED
1440 minute summer	PP5	840	1.008	0.070	6.6	51.0360	0.0000	OK

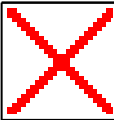
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	PP3	17.000	S6	2.5	0.414	1.030	0.2761	
1440 minute summer	PP4	28.000	S2	3.6	0.521	1.090	0.4272	
1440 minute summer	PP5	31.000	S3	3.8	0.687	0.807	0.2140	



Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S3	810	0.497	0.147	7.0	0.1589	0.0000	OK
1440 minute winter	S4	1440	0.481	0.161	8.0	0.2849	0.0000	OK
1440 minute winter	Pond In 1	1440	0.480	0.475	8.0	0.0000	0.0000	OK
1440 minute winter	S10	810	0.500	0.070	0.4	0.0761	0.0000	OK
1440 minute winter	S11	810	0.500	0.080	1.0	0.0869	0.0000	OK
1440 minute winter	S12	810	0.500	0.090	1.6	0.1290	0.0000	OK
1440 minute winter	S13	810	0.500	0.090	0.0	0.0973	0.0000	OK
1440 minute winter	S14	810	0.500	0.100	1.9	0.1384	0.0000	OK
1440 minute winter	S15	810	0.499	0.109	2.7	0.1766	0.0000	OK
1440 minute winter	S16	810	0.498	0.118	2.7	0.1275	0.0000	OK
1440 minute winter	S17	810	0.498	0.128	3.1	0.1726	0.0000	OK
1440 minute winter	S18	810	0.497	0.137	3.6	0.1853	0.0000	OK
1440 minute winter	S19	810	0.497	0.147	3.6	0.1584	0.0000	OK
1440 minute winter	S1	810	0.499	0.109	0.1	0.1181	0.0000	OK
1440 minute winter	S2	810	0.499	0.119	3.8	0.1289	0.0000	OK

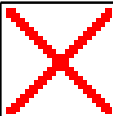
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S3	28.002	S4	7.0	0.171	0.250	1.9609	
1440 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
1440 minute winter	S4	28.003	Pond In 1	8.0	0.323	0.201	0.7677	
1440 minute winter	Pond In 1	Flow through pond	Pond Out	17.2	0.013	0.002	659.3256	
1440 minute winter	S10	2.001	S11	-0.4	-0.030	-0.003	0.0872	
1440 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
1440 minute winter	S11	1.001	S12	0.8	0.090	0.013	0.5741	
1440 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
1440 minute winter	S12	1.002	S14	1.6	0.091	0.015	0.2124	
1440 minute winter	S13	8.000	S14	0.1	-0.016	0.001	0.3196	
1440 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
1440 minute winter	S14	1.003	S15	1.9	0.087	0.032	0.7541	
1440 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
1440 minute winter	S15	1.004	S16	2.7	0.121	0.052	1.1291	
1440 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
1440 minute winter	S16	1.005	S17	2.7	0.112	0.028	0.3861	
1440 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
1440 minute winter	S17	1.006	S18	3.1	0.106	0.030	0.3701	
1440 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
1440 minute winter	S18	1.007	S19	3.6	0.091	0.057	1.0642	
1440 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
1440 minute winter	S19	1.008	S20	3.6	0.077	0.077	2.1045	
1440 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
1440 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
1440 minute winter	S1	30.000	S2	-0.1	-0.018	-0.003	1.9879	
1440 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
1440 minute winter	S2	18.000	S6	1.5	0.197	0.834	0.0783	
1440 minute winter	S2	32.000	S3	3.5	0.092	0.056	2.9842	



Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S6	810	0.499	0.129	3.1	0.1398	0.0000	OK
1440 minute winter	S9	810	0.500	0.060	0.6	0.0652	0.0000	OK
1440 minute winter	S5	810	0.500	0.130	3.3	0.1408	0.0000	OK
1440 minute winter	S7	810	0.499	0.139	5.7	0.1499	0.0000	OK
1440 minute winter	S8	810	0.497	0.147	5.8	0.1592	0.0000	OK
1440 minute winter	S20	810	0.496	0.156	11.7	0.4568	0.0000	OK
1440 minute winter	S21	1500	0.482	0.152	12.2	0.2016	0.0000	OK
1440 minute winter	S22	1500	0.485	0.155	1.4	0.2220	0.0000	OK
1440 minute winter	S23	1500	0.482	0.162	17.9	0.7255	0.0000	OK
1440 minute winter	S24	1500	0.483	0.173	19.6	0.3516	0.0000	OK
1440 minute winter	Pond In 2	1590	0.481	0.476	19.6	0.0000	0.0000	OK
1440 minute winter	Pond Out	1440	0.478	0.478	21.6	0.0000	0.0000	SURCHARGED
1440 minute winter	Control MH	1440	0.477	0.627	23.8	1.1083	0.0000	SURCHARGED
1440 minute winter	Outfall 1	810	-0.645	0.045	6.9	0.0000	0.0000	OK
1440 minute winter	PP1	780	0.876	0.046	1.1	2.7520	0.0000	OK
1440 minute winter	PP2	840	1.013	0.063	4.0	28.7116	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	S6	17.001	S7	3.1	0.104	0.066	1.7369	
1440 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
1440 minute winter	S9	16.000	S5	-0.6	-0.040	-0.002	0.2413	
1440 minute winter	S9	5.000	S12	0.5	0.045	0.006	0.8074	
1440 minute winter	S9	2.000	S10	-0.4	-0.053	-0.005	0.2264	
1440 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
1440 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
1440 minute winter	S5	15.001	S7	3.3	0.085	0.080	2.2228	
1440 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
1440 minute winter	S7	15.002	S8	5.8	0.148	0.081	0.8467	
1440 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
1440 minute winter	S8	15.003	S20	5.8	0.137	0.105	1.5077	
1440 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
1440 minute winter	S20	1.009	S21	11.8	0.271	0.416	5.2884	
1440 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
1440 minute winter	S21	1.010	S23	12.2	0.330	0.216	1.5433	
1440 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
1440 minute winter	S22	25.000	S23	-1.4	-0.032	-0.045	5.0348	
1440 minute winter	S23	1.011	S24	17.9	0.546	0.201	0.6773	
1440 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
1440 minute winter	S24	1.012	Pond In 2	19.6	0.735	0.153	0.3515	
1440 minute winter	Pond In 2	Flow through pond	Pond Out	17.2	0.013	0.002	659.3256	
1440 minute winter	Pond Out	34.000	Control MH	23.8	0.445	0.166	0.6338	
1440 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	543.3
1440 minute winter	PP1	1.000	S11	1.0	0.368	0.371	0.0887	
1440 minute winter	PP2	15.000	S5	3.2	0.651	0.691	0.1898	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

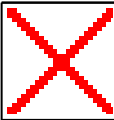
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Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	PP3	870	0.889	0.089	3.0	22.2029	0.0000	OK
1440 minute winter	PP4	1050	1.052	0.114	11.4	233.4361	0.0000	SURCHARGED
1440 minute winter	PP5	870	1.006	0.068	5.0	48.9694	0.0000	OK

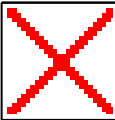
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	PP3	17.000	S6	2.4	0.408	0.975	0.2672	
1440 minute winter	PP4	28.000	S2	3.8	0.527	1.136	0.4314	
1440 minute winter	PP5	31.000	S3	3.7	0.681	0.779	0.2082	



Results for 100 year +40% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S3	1560	0.479	0.129	5.3	0.1392	0.0000	OK
2880 minute summer	S4	1560	0.437	0.117	5.9	0.2076	0.0000	OK
2880 minute summer	Pond In 1	2160	0.340	0.335	5.9	0.0000	0.0000	OK
2880 minute summer	S10	1560	0.481	0.051	0.2	0.0553	0.0000	OK
2880 minute summer	S11	1560	0.481	0.061	0.8	0.0662	0.0000	OK
2880 minute summer	S12	1560	0.481	0.071	1.1	0.1013	0.0000	OK
2880 minute summer	S13	1560	0.481	0.071	0.0	0.0763	0.0000	OK
2880 minute summer	S14	1560	0.481	0.081	1.4	0.1115	0.0000	OK
2880 minute summer	S15	1560	0.480	0.090	2.0	0.1450	0.0000	OK
2880 minute summer	S16	1560	0.478	0.098	2.0	0.1063	0.0000	OK
2880 minute summer	S17	1560	0.478	0.108	2.3	0.1461	0.0000	OK
2880 minute summer	S18	1560	0.478	0.118	2.5	0.1589	0.0000	OK
2880 minute summer	S19	1560	0.477	0.127	2.5	0.1374	0.0000	OK
2880 minute summer	S1	1560	0.481	0.091	0.0	0.0984	0.0000	OK
2880 minute summer	S2	1560	0.481	0.101	3.3	0.1092	0.0000	OK

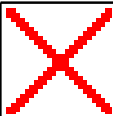
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S3	28.002	S4	5.3	0.151	0.189	1.4910	
2880 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
2880 minute summer	S4	28.003	Pond In 1	5.9	0.290	0.148	0.2978	
2880 minute summer	Pond In 1	Flow through pond	Pond Out	16.8	0.009	0.002	455.6591	
2880 minute summer	S10	2.001	S11	-0.2	-0.025	-0.002	0.0569	
2880 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
2880 minute summer	S11	1.001	S12	0.5	0.085	0.009	0.3966	
2880 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
2880 minute summer	S12	1.002	S14	1.1	0.089	0.010	0.1531	
2880 minute summer	S13	8.000	S14	0.0	0.003	0.000	0.2301	
2880 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
2880 minute summer	S14	1.003	S15	1.4	0.084	0.023	0.5619	
2880 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
2880 minute summer	S15	1.004	S16	2.0	0.105	0.038	0.8632	
2880 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
2880 minute summer	S16	1.005	S17	2.0	0.116	0.020	0.3021	
2880 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
2880 minute summer	S17	1.006	S18	2.2	0.097	0.022	0.2959	
2880 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
2880 minute summer	S18	1.007	S19	2.5	0.073	0.040	0.8663	
2880 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
2880 minute summer	S19	1.008	S20	2.5	0.066	0.055	1.7402	
2880 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
2880 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
2880 minute summer	S1	30.000	S2	0.0	-0.005	-0.001	1.5537	
2880 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
2880 minute summer	S2	18.000	S6	1.4	0.239	0.755	0.0782	
2880 minute summer	S2	32.000	S3	2.7	0.096	0.043	2.4291	



Results for 100 year +40% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S6	1560	0.481	0.111	2.5	0.1196	0.0000	OK
2880 minute summer	S9	1560	0.481	0.041	0.3	0.0444	0.0000	OK
2880 minute summer	S5	1560	0.481	0.111	2.5	0.1200	0.0000	OK
2880 minute summer	S7	1560	0.480	0.120	4.6	0.1293	0.0000	OK
2880 minute summer	S8	1560	0.478	0.128	4.6	0.1385	0.0000	OK
2880 minute summer	S20	1560	0.476	0.136	8.8	0.4001	0.0000	OK
2880 minute summer	S21	1500	0.445	0.115	9.1	0.1529	0.0000	OK
2880 minute summer	S22	1500	0.431	0.101	0.1	0.1439	0.0000	OK
2880 minute summer	S23	1500	0.431	0.111	13.5	0.4940	0.0000	OK
2880 minute summer	S24	1500	0.404	0.094	14.8	0.1918	0.0000	OK
2880 minute summer	Pond In 2	2100	0.348	0.343	22.1	0.0000	0.0000	OK
2880 minute summer	Pond Out	2220	0.339	0.339	16.8	0.0000	0.0000	SURCHARGED
2880 minute summer	Control MH	2220	0.339	0.489	14.0	0.8634	0.0000	SURCHARGED
2880 minute summer	Outfall 1	3120	-0.645	0.045	6.9	0.0000	0.0000	OK
2880 minute summer	PP1	1500	0.869	0.039	0.8	1.9960	0.0000	OK
2880 minute summer	PP2	1560	1.002	0.052	2.9	19.6846	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S6	17.001	S7	2.6	0.114	0.054	1.4048	
2880 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
2880 minute summer	S9	16.000	S5	-0.3	-0.027	-0.001	0.1791	
2880 minute summer	S9	5.000	S12	0.3	0.041	0.004	0.5302	
2880 minute summer	S9	2.000	S10	-0.2	-0.047	-0.003	0.1362	
2880 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
2880 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
2880 minute summer	S5	15.001	S7	2.5	0.078	0.059	1.7938	
2880 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
2880 minute summer	S7	15.002	S8	4.6	0.142	0.064	0.6936	
2880 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
2880 minute summer	S8	15.003	S20	4.6	0.129	0.083	1.2491	
2880 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
2880 minute summer	S20	1.009	S21	8.9	0.247	0.314	4.2686	
2880 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
2880 minute summer	S21	1.010	S23	9.1	0.301	0.162	0.9735	
2880 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
2880 minute summer	S22	25.000	S23	-0.1	-0.015	-0.002	2.8486	
2880 minute summer	S23	1.011	S24	13.5	0.497	0.151	0.3445	
2880 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
2880 minute summer	S24	1.012	Pond In 2	14.8	0.676	0.115	0.1359	
2880 minute summer	Pond In 2	Flow through pond	Pond Out	16.8	0.009	0.002	455.6591	
2880 minute summer	Pond Out	34.000	Control MH	14.0	0.259	0.097	0.6338	
2880 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	942.4
2880 minute summer	PP1	1.000	S11	0.8	0.338	0.273	0.0713	
2880 minute summer	PP2	15.000	S5	2.4	0.602	0.516	0.1534	



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13 Gostwick
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Peterborough PE2 5XF

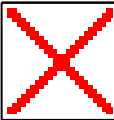
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +40% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	PP3	1560	0.873	0.073	2.2	14.8616	0.0000	OK
2880 minute summer	PP4	1800	1.030	0.092	8.3	177.3164	0.0000	OK
2880 minute summer	PP5	1620	0.993	0.055	3.6	35.1683	0.0000	OK

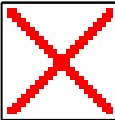
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	PP3	17.000	S6	1.8	0.381	0.735	0.2210	
2880 minute summer	PP4	28.000	S2	3.3	0.521	0.983	0.4066	
2880 minute summer	PP5	31.000	S3	2.7	0.626	0.568	0.1651	



Results for 100 year +40% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S3	1620	0.472	0.122	4.8	0.1322	0.0000	OK
2880 minute winter	S4	1560	0.433	0.113	5.3	0.1990	0.0000	OK
2880 minute winter	Pond In 1	2340	0.392	0.387	5.3	0.0000	0.0000	OK
2880 minute winter	S10	1560	0.474	0.044	0.2	0.0475	0.0000	OK
2880 minute winter	S11	1560	0.474	0.054	0.6	0.0583	0.0000	OK
2880 minute winter	S12	1560	0.474	0.064	1.0	0.0909	0.0000	OK
2880 minute winter	S13	1560	0.473	0.063	0.0	0.0684	0.0000	OK
2880 minute winter	S14	1560	0.473	0.073	1.2	0.1014	0.0000	OK
2880 minute winter	S15	1560	0.472	0.082	1.7	0.1330	0.0000	OK
2880 minute winter	S16	1560	0.471	0.091	1.7	0.0981	0.0000	OK
2880 minute winter	S17	1560	0.470	0.100	1.9	0.1358	0.0000	OK
2880 minute winter	S18	1560	0.470	0.110	2.2	0.1486	0.0000	OK
2880 minute winter	S19	1560	0.470	0.120	2.2	0.1292	0.0000	OK
2880 minute winter	S1	1620	0.475	0.085	0.0	0.0915	0.0000	OK
2880 minute winter	S2	1620	0.475	0.095	3.4	0.1023	0.0000	OK

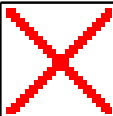
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S3	28.002	S4	4.8	0.145	0.169	1.3945	
2880 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
2880 minute winter	S4	28.003	Pond In 1	5.3	0.279	0.133	0.3092	
2880 minute winter	Pond In 1	Flow through pond	Pond Out	15.2	0.009	0.002	530.8478	
2880 minute winter	S10	2.001	S11	-0.2	-0.021	-0.001	0.0465	
2880 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
2880 minute winter	S11	1.001	S12	0.5	0.086	0.008	0.3347	
2880 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
2880 minute winter	S12	1.002	S14	1.0	0.089	0.009	0.1322	
2880 minute winter	S13	8.000	S14	0.0	0.003	0.000	0.1987	
2880 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
2880 minute winter	S14	1.003	S15	1.2	0.085	0.020	0.4935	
2880 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
2880 minute winter	S15	1.004	S16	1.7	0.104	0.033	0.7666	
2880 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
2880 minute winter	S16	1.005	S17	1.7	0.115	0.018	0.2709	
2880 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
2880 minute winter	S17	1.006	S18	1.9	0.090	0.019	0.2680	
2880 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
2880 minute winter	S18	1.007	S19	2.2	0.071	0.035	0.7918	
2880 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
2880 minute winter	S19	1.008	S20	2.2	0.063	0.048	1.6033	
2880 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
2880 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
2880 minute winter	S1	30.000	S2	0.0	-0.008	-0.001	1.4078	
2880 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
2880 minute winter	S2	18.000	S6	1.4	0.241	0.750	0.0775	
2880 minute winter	S2	32.000	S3	2.4	0.099	0.038	2.2412	



Results for 100 year +40% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S6	1560	0.474	0.104	2.4	0.1120	0.0000	OK
2880 minute winter	S9	1560	0.474	0.034	0.3	0.0365	0.0000	OK
2880 minute winter	S5	1560	0.474	0.104	2.0	0.1121	0.0000	OK
2880 minute winter	S7	1560	0.472	0.112	4.2	0.1215	0.0000	OK
2880 minute winter	S8	1560	0.471	0.121	4.2	0.1305	0.0000	OK
2880 minute winter	S20	1560	0.469	0.129	7.8	0.3782	0.0000	OK
2880 minute winter	S21	1560	0.437	0.107	8.0	0.1424	0.0000	OK
2880 minute winter	S22	1500	0.421	0.091	0.1	0.1309	0.0000	OK
2880 minute winter	S23	1500	0.421	0.101	11.3	0.4534	0.0000	OK
2880 minute winter	S24	1500	0.396	0.086	12.3	0.1752	0.0000	OK
2880 minute winter	Pond In 2	2400	0.391	0.386	12.6	0.0000	0.0000	OK
2880 minute winter	Pond Out	2340	0.391	0.391	20.8	0.0000	0.0000	SURCHARGED
2880 minute winter	Control MH	2340	0.390	0.540	25.9	0.9550	0.0000	SURCHARGED
2880 minute winter	Outfall 1	1620	-0.645	0.045	6.9	0.0000	0.0000	OK
2880 minute winter	PP1	1560	0.864	0.034	0.6	1.5615	0.0000	OK
2880 minute winter	PP2	1620	0.997	0.047	2.2	16.2909	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S6	17.001	S7	2.5	0.115	0.052	1.2831	
2880 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
2880 minute winter	S9	16.000	S5	-0.2	-0.022	-0.001	0.1571	
2880 minute winter	S9	5.000	S12	0.3	0.038	0.003	0.4355	
2880 minute winter	S9	2.000	S10	-0.2	-0.041	-0.002	0.1059	
2880 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
2880 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
2880 minute winter	S5	15.001	S7	2.0	0.071	0.048	1.6355	
2880 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
2880 minute winter	S7	15.002	S8	4.2	0.138	0.058	0.6368	
2880 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
2880 minute winter	S8	15.003	S20	4.2	0.125	0.075	1.1526	
2880 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
2880 minute winter	S20	1.009	S21	7.8	0.237	0.278	3.9146	
2880 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
2880 minute winter	S21	1.010	S23	8.0	0.290	0.143	0.8703	
2880 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
2880 minute winter	S22	25.000	S23	0.1	-0.021	0.002	2.5066	
2880 minute winter	S23	1.011	S24	11.3	0.473	0.126	0.3040	
2880 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
2880 minute winter	S24	1.012	Pond In 2	12.3	0.642	0.095	0.1341	
2880 minute winter	Pond In 2	Flow through pond	Pond Out	15.2	0.009	0.002	530.8478	
2880 minute winter	Pond Out	34.000	Control MH	25.9	0.588	0.180	0.6338	
2880 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2317	978.5
2880 minute winter	PP1	1.000	S11	0.6	0.315	0.213	0.0599	
2880 minute winter	PP2	15.000	S5	2.0	0.577	0.440	0.1367	



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13 Gostwick
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Peterborough PE2 5XF

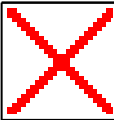
File: 9078 Holbeach Drove Gate - SW 10-01
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Results for 100 year +40% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	PP3	1560	0.867	0.067	1.7	12.4651	0.0000	OK
2880 minute winter	PP4	1920	1.033	0.095	6.2	184.4968	0.0000	OK
2880 minute winter	PP5	1680	0.989	0.051	2.7	31.2824	0.0000	OK

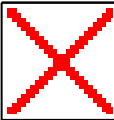
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	PP3	17.000	S6	1.6	0.368	0.641	0.2007	
2880 minute winter	PP4	28.000	S2	3.4	0.521	1.006	0.4137	
2880 minute winter	PP5	31.000	S3	2.4	0.607	0.506	0.1519	



Results for 100 year +40% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S3	3060	0.456	0.106	3.5	0.1148	0.0000	OK
5760 minute summer	S4	3060	0.419	0.099	3.9	0.1752	0.0000	OK
5760 minute summer	Pond In 1	3600	0.216	0.211	3.9	0.0000	0.0000	OK
5760 minute summer	S10	3000	0.458	0.028	0.1	0.0299	0.0000	OK
5760 minute summer	S11	3000	0.458	0.038	0.4	0.0407	0.0000	OK
5760 minute summer	S12	3000	0.457	0.047	0.6	0.0670	0.0000	OK
5760 minute summer	S13	3000	0.457	0.047	0.0	0.0503	0.0000	OK
5760 minute summer	S14	3000	0.457	0.057	0.8	0.0782	0.0000	OK
5760 minute summer	S15	3000	0.455	0.065	1.1	0.1057	0.0000	OK
5760 minute summer	S16	3000	0.454	0.074	1.1	0.0799	0.0000	OK
5760 minute summer	S17	3000	0.454	0.084	1.3	0.1131	0.0000	OK
5760 minute summer	S18	3000	0.453	0.093	1.5	0.1260	0.0000	OK
5760 minute summer	S19	3000	0.453	0.103	1.5	0.1111	0.0000	OK
5760 minute summer	S1	3060	0.459	0.069	0.0	0.0743	0.0000	OK
5760 minute summer	S2	3060	0.459	0.079	2.6	0.0851	0.0000	OK

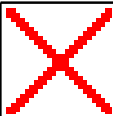
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S3	28.002	S4	3.5	0.130	0.125	1.1529	
5760 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
5760 minute summer	S4	28.003	Pond In 1	3.9	0.248	0.098	0.2312	
5760 minute summer	Pond In 1	Flow through pond	Pond Out	9.4	0.007	0.001	279.2169	
5760 minute summer	S10	2.001	S11	-0.1	-0.018	-0.001	0.0256	
5760 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
5760 minute summer	S11	1.001	S12	0.3	0.084	0.005	0.2063	
5760 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
5760 minute summer	S12	1.002	S14	0.6	0.089	0.006	0.0879	
5760 minute summer	S13	8.000	S14	0.0	0.003	0.000	0.1317	
5760 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
5760 minute summer	S14	1.003	S15	0.8	0.083	0.014	0.3466	
5760 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
5760 minute summer	S15	1.004	S16	1.1	0.095	0.022	0.5606	
5760 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
5760 minute summer	S16	1.005	S17	1.1	0.089	0.012	0.2052	
5760 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
5760 minute summer	S17	1.006	S18	1.3	0.064	0.013	0.2093	
5760 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
5760 minute summer	S18	1.007	S19	1.5	0.061	0.024	0.6334	
5760 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
5760 minute summer	S19	1.008	S20	1.5	0.053	0.033	1.3086	
5760 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
5760 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
5760 minute summer	S1	30.000	S2	0.0	-0.002	0.000	1.0610	
5760 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
5760 minute summer	S2	18.000	S6	1.1	0.214	0.571	0.0693	
5760 minute summer	S2	32.000	S3	1.8	0.087	0.029	1.7871	



Results for 100 year +40% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S6	3060	0.457	0.087	1.9	0.0944	0.0000	OK
5760 minute summer	S9	3000	0.457	0.017	0.1	0.0186	0.0000	OK
5760 minute summer	S5	3000	0.457	0.087	1.5	0.0942	0.0000	OK
5760 minute summer	S7	3000	0.456	0.096	3.2	0.1035	0.0000	OK
5760 minute summer	S8	3000	0.454	0.104	3.2	0.1125	0.0000	OK
5760 minute summer	S20	3000	0.452	0.112	5.7	0.3294	0.0000	OK
5760 minute summer	S21	3000	0.423	0.093	5.9	0.1233	0.0000	OK
5760 minute summer	S22	2940	0.408	0.078	0.0	0.1116	0.0000	OK
5760 minute summer	S23	2940	0.408	0.088	8.3	0.3932	0.0000	OK
5760 minute summer	S24	2940	0.384	0.074	9.0	0.1514	0.0000	OK
5760 minute summer	Pond In 2	3600	0.220	0.215	9.0	0.0000	0.0000	OK
5760 minute summer	Pond Out	3660	0.213	0.213	12.3	0.0000	0.0000	OK
5760 minute summer	Control MH	3600	0.229	0.379	33.0	0.6698	0.0000	SURCHARGED
5760 minute summer	Outfall	3660	-0.645	0.045	6.9	0.0000	0.0000	OK
5760 minute summer	1							
5760 minute summer	PP1	3060	0.858	0.028	0.4	1.0588	0.0000	OK
5760 minute summer	PP2	3000	0.989	0.039	1.6	11.3090	0.0000	OK

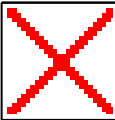
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S6	17.001	S7	1.9	0.107	0.040	1.0139	
5760 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
5760 minute summer	S9	16.000	S5	0.1	0.012	0.000	0.1117	
5760 minute summer	S9	5.000	S12	0.1	0.028	0.001	0.2436	
5760 minute summer	S9	2.000	S10	-0.1	-0.040	-0.001	0.0469	
5760 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
5760 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
5760 minute summer	S5	15.001	S7	1.5	0.066	0.035	1.2900	
5760 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
5760 minute summer	S7	15.002	S8	3.2	0.131	0.045	0.5121	
5760 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
5760 minute summer	S8	15.003	S20	3.2	0.117	0.058	0.9421	
5760 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
5760 minute summer	S20	1.009	S21	5.7	0.214	0.203	3.2091	
5760 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
5760 minute summer	S21	1.010	S23	5.9	0.264	0.106	0.7090	
5760 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
5760 minute summer	S22	25.000	S23	0.0	-0.012	-0.001	2.0207	
5760 minute summer	S23	1.011	S24	8.3	0.428	0.093	0.2472	
5760 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
5760 minute summer	S24	1.012	Pond In 2	9.0	0.588	0.070	0.0955	
5760 minute summer	Pond In 2	Flow through pond	Pond Out	9.4	0.007	0.001	279.2169	
5760 minute summer	Pond Out	34.000	Control MH	33.0	0.653	0.229	0.5580	
5760 minute summer	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2316	1359.0
5760 minute summer	PP1	1.000	S11	0.4	0.280	0.142	0.0451	
5760 minute summer	PP2	15.000	S5	1.5	0.527	0.318	0.1082	



Results for 100 year +40% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	PP3	3000	0.854	0.054	1.2	8.3107	0.0000	OK
5760 minute summer	PP4	3300	1.012	0.074	4.7	131.8826	0.0000	OK
5760 minute summer	PP5	3060	0.980	0.042	2.0	22.1926	0.0000	OK

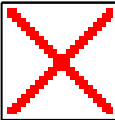
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	PP3	17.000	S6	1.1	0.335	0.454	0.1570	
5760 minute summer	PP4	28.000	S2	2.6	0.508	0.789	0.3416	
5760 minute summer	PP5	31.000	S3	1.7	0.555	0.364	0.1196	



Results for 100 year +40% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.45%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S3	3120	0.448	0.098	3.0	0.1063	0.0000	OK
5760 minute winter	S4	3120	0.412	0.092	3.3	0.1631	0.0000	OK
5760 minute winter	Pond In 1	3840	0.211	0.207	3.3	0.0000	0.0000	OK
5760 minute winter	S10	3060	0.448	0.018	0.0	0.0199	0.0000	OK
5760 minute winter	S11	3060	0.448	0.028	0.3	0.0307	0.0000	OK
5760 minute winter	S12	3060	0.447	0.037	0.4	0.0525	0.0000	OK
5760 minute winter	S13	3060	0.446	0.036	0.0	0.0392	0.0000	OK
5760 minute winter	S14	3060	0.446	0.046	0.5	0.0641	0.0000	OK
5760 minute winter	S15	3060	0.445	0.055	0.8	0.0895	0.0000	OK
5760 minute winter	S16	3060	0.444	0.064	0.8	0.0690	0.0000	OK
5760 minute winter	S17	3060	0.444	0.074	0.9	0.0995	0.0000	OK
5760 minute winter	S18	3060	0.443	0.083	1.0	0.1125	0.0000	OK
5760 minute winter	S19	3060	0.443	0.093	1.0	0.1005	0.0000	OK
5760 minute winter	S1	3120	0.451	0.061	0.0	0.0661	0.0000	OK
5760 minute winter	S2	3120	0.451	0.071	2.5	0.0769	0.0000	OK

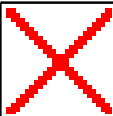
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S3	28.002	S4	3.0	0.123	0.106	1.0381	
5760 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
5760 minute winter	S4	28.003	Pond In 1	3.3	0.233	0.082	0.2080	
5760 minute winter	Pond In 1	Flow through pond	Pond Out	9.1	0.006	0.001	270.7166	
5760 minute winter	S10	2.001	S11	0.0	-0.010	0.000	0.0156	
5760 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
5760 minute winter	S11	1.001	S12	0.3	0.084	0.005	0.1402	
5760 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
5760 minute winter	S12	1.002	S14	0.4	0.092	0.004	0.0637	
5760 minute winter	S13	8.000	S14	0.0	0.003	0.000	0.0953	
5760 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
5760 minute winter	S14	1.003	S15	0.5	0.087	0.009	0.2657	
5760 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
5760 minute winter	S15	1.004	S16	0.8	0.103	0.016	0.4469	
5760 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
5760 minute winter	S16	1.005	S17	0.8	0.088	0.009	0.1685	
5760 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
5760 minute winter	S17	1.006	S18	0.9	0.065	0.009	0.1761	
5760 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
5760 minute winter	S18	1.007	S19	1.0	0.058	0.016	0.5442	
5760 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
5760 minute winter	S19	1.008	S20	1.0	0.046	0.022	1.1442	
5760 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
5760 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
5760 minute winter	S1	30.000	S2	0.0	-0.002	0.000	0.9078	
5760 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
5760 minute winter	S2	18.000	S6	1.0	0.204	0.536	0.0629	
5760 minute winter	S2	32.000	S3	1.6	0.087	0.026	1.5802	



Results for 100 year +40% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.45%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S6	3060	0.449	0.079	1.7	0.0852	0.0000	OK
5760 minute winter	S9	3060	0.448	0.008	0.0	0.0087	0.0000	OK
5760 minute winter	S5	3060	0.448	0.078	1.2	0.0843	0.0000	OK
5760 minute winter	S7	3060	0.447	0.087	2.8	0.0937	0.0000	OK
5760 minute winter	S8	3060	0.445	0.095	2.8	0.1025	0.0000	OK
5760 minute winter	S20	3060	0.443	0.103	4.7	0.3012	0.0000	OK
5760 minute winter	S21	3060	0.414	0.084	4.8	0.1114	0.0000	OK
5760 minute winter	S22	3060	0.399	0.069	0.0	0.0988	0.0000	OK
5760 minute winter	S23	3060	0.399	0.079	6.6	0.3534	0.0000	OK
5760 minute winter	S24	3060	0.377	0.067	7.1	0.1356	0.0000	OK
5760 minute winter	Pond In 2	3780	0.217	0.212	7.1	0.0000	0.0000	OK
5760 minute winter	Pond Out	3900	0.207	0.207	15.9	0.0000	0.0000	OK
5760 minute winter	Control MH	3900	0.207	0.357	30.3	0.6308	0.0000	SURCHARGED
5760 minute winter	Outfall 1	3900	-0.645	0.045	6.9	0.0000	0.0000	OK
5760 minute winter	PP1	3060	0.854	0.024	0.3	0.8095	0.0000	OK
5760 minute winter	PP2	3000	0.984	0.034	1.2	8.8373	0.0000	OK

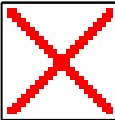
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S6	17.001	S7	1.7	0.104	0.037	0.8772	
5760 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
5760 minute winter	S9	16.000	S5	0.0	0.002	0.000	0.0902	
5760 minute winter	S9	5.000	S12	0.0	0.014	0.000	0.1527	
5760 minute winter	S9	2.000	S10	0.0	-0.034	0.000	0.0217	
5760 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
5760 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
5760 minute winter	S5	15.001	S7	1.2	0.061	0.028	1.1096	
5760 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
5760 minute winter	S7	15.002	S8	2.8	0.128	0.040	0.4462	
5760 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
5760 minute winter	S8	15.003	S20	2.8	0.114	0.051	0.8274	
5760 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
5760 minute winter	S20	1.009	S21	4.7	0.199	0.167	2.8042	
5760 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
5760 minute winter	S21	1.010	S23	4.8	0.247	0.085	0.6115	
5760 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
5760 minute winter	S22	25.000	S23	0.0	-0.013	0.000	1.7143	
5760 minute winter	S23	1.011	S24	6.6	0.398	0.074	0.2113	
5760 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
5760 minute winter	S24	1.012	Pond In 2	7.1	0.548	0.055	0.0808	
5760 minute winter	Pond In 2	Flow through pond	Pond Out	9.1	0.006	0.001	270.7166	
5760 minute winter	Pond Out	34.000	Control MH	30.3	0.644	0.211	0.5503	
5760 minute winter	Control MH	34.001	Outfall	6.9	1.028	0.049	0.2315	1556.4
5760 minute winter	PP1	1.000	S11	0.3	0.256	0.107	0.0369	
5760 minute winter	PP2	15.000	S5	1.2	0.494	0.253	0.0916	



Results for 100 year +40% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.45%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	PP3	3060	0.848	0.048	0.9	6.6117	0.0000	OK
5760 minute winter	PP4	3480	1.010	0.072	3.4	126.3787	0.0000	OK
5760 minute winter	PP5	3060	0.976	0.038	1.5	17.9445	0.0000	OK

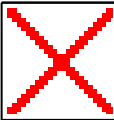
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	PP3	17.000	S6	0.9	0.316	0.368	0.1354	
5760 minute winter	PP4	28.000	S2	2.5	0.505	0.761	0.3318	
5760 minute winter	PP5	31.000	S3	1.4	0.527	0.300	0.1037	



Results for 100 year +40% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.16%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S3	4500	0.444	0.094	2.7	0.1011	0.0000	OK
8640 minute summer	S4	4560	0.409	0.089	3.0	0.1571	0.0000	OK
8640 minute summer	Pond In 1	5100	0.135	0.130	3.0	0.0000	0.0000	OK
8640 minute summer	S10	4380	0.446	0.016	0.0	0.0170	0.0000	OK
8640 minute summer	S11	4380	0.446	0.026	0.3	0.0278	0.0000	OK
8640 minute summer	S12	4380	0.443	0.033	0.4	0.0472	0.0000	OK
8640 minute summer	S13	4380	0.443	0.033	0.0	0.0352	0.0000	OK
8640 minute summer	S14	4380	0.443	0.043	0.5	0.0589	0.0000	OK
8640 minute summer	S15	4380	0.442	0.052	0.8	0.0832	0.0000	OK
8640 minute summer	S16	4380	0.440	0.060	0.8	0.0644	0.0000	OK
8640 minute summer	S17	4380	0.439	0.069	0.9	0.0937	0.0000	OK
8640 minute summer	S18	4380	0.439	0.079	1.0	0.1068	0.0000	OK
8640 minute summer	S19	4440	0.439	0.089	1.0	0.0959	0.0000	OK
8640 minute summer	S1	4560	0.446	0.056	0.0	0.0608	0.0000	OK
8640 minute summer	S2	4560	0.446	0.066	2.2	0.0716	0.0000	OK

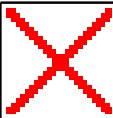
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S3	28.002	S4	2.7	0.118	0.095	0.9741	
8640 minute summer	S3	33.000	S4	0.0	0.000	0.000	0.0006	
8640 minute summer	S4	28.003	Pond In 1	3.0	0.225	0.074	0.1954	
8640 minute summer	Pond In 1	Flow through pond	Pond Out	8.8	0.006	0.001	170.8217	
8640 minute summer	S10	2.001	S11	0.0	-0.010	0.000	0.0131	
8640 minute summer	S10	4.000	S11	0.0	0.000	0.000	0.0001	
8640 minute summer	S11	1.001	S12	0.3	0.084	0.005	0.1205	
8640 minute summer	S11	7.000	S12	0.0	0.000	0.000	0.0004	
8640 minute summer	S12	1.002	S14	0.4	0.091	0.004	0.0554	
8640 minute summer	S13	8.000	S14	0.0	0.004	0.000	0.0827	
8640 minute summer	S13	9.000	S14	0.0	0.000	0.000	0.0002	
8640 minute summer	S14	1.003	S15	0.5	0.086	0.008	0.2366	
8640 minute summer	S14	10.000	S15	0.0	0.000	0.000	0.0004	
8640 minute summer	S15	1.004	S16	0.8	0.103	0.015	0.4025	
8640 minute summer	S15	11.000	S16	0.0	0.000	0.000	0.0005	
8640 minute summer	S16	1.005	S17	0.8	0.088	0.008	0.1533	
8640 minute summer	S16	12.000	S17	0.0	0.000	0.000	0.0002	
8640 minute summer	S17	1.006	S18	0.9	0.065	0.008	0.1622	
8640 minute summer	S17	13.000	S18	0.0	0.000	0.000	0.0001	
8640 minute summer	S18	1.007	S19	1.0	0.058	0.015	0.5062	
8640 minute summer	S18	14.000	S19	0.0	0.000	0.000	0.0004	
8640 minute summer	S19	1.008	S20	1.0	0.045	0.021	1.0731	
8640 minute summer	S19	23.000	S20	0.0	0.000	0.000	0.0007	
8640 minute summer	S1	29.000	S2	0.0	0.000	0.000	0.0010	
8640 minute summer	S1	30.000	S2	0.0	-0.001	0.000	0.8119	
8640 minute summer	S2	28.001	S3	0.0	0.000	0.000	0.0012	
8640 minute summer	S2	18.000	S6	0.8	0.195	0.456	0.0588	
8640 minute summer	S2	32.000	S3	1.4	0.083	0.022	1.4528	



Results for 100 year +40% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.16%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	S6	4500	0.444	0.074	1.5	0.0805	0.0000	OK
8640 minute summer	S9	4440	0.444	0.004	0.0	0.0044	0.0000	OK
8640 minute summer	S5	4440	0.444	0.074	1.1	0.0800	0.0000	OK
8640 minute summer	S7	4440	0.443	0.083	2.6	0.0891	0.0000	OK
8640 minute summer	S8	4440	0.441	0.091	2.6	0.0978	0.0000	OK
8640 minute summer	S20	4440	0.438	0.098	4.3	0.2887	0.0000	OK
8640 minute summer	S21	4440	0.411	0.081	4.4	0.1068	0.0000	OK
8640 minute summer	S22	4380	0.396	0.066	0.0	0.0951	0.0000	OK
8640 minute summer	S23	4380	0.396	0.076	6.1	0.3417	0.0000	OK
8640 minute summer	S24	4380	0.374	0.064	6.6	0.1311	0.0000	OK
8640 minute summer	Pond In 2	5100	0.138	0.133	6.6	0.0000	0.0000	OK
8640 minute summer	Pond Out	5100	0.133	0.133	20.2	0.0000	0.0000	OK
8640 minute summer	Control MH	5700	0.166	0.316	24.3	0.5582	0.0000	SURCHARGED
8640 minute summer	Outfall 1	5100	-0.645	0.045	6.8	0.0000	0.0000	OK
8640 minute summer	PP1	4560	0.854	0.024	0.3	0.8095	0.0000	OK
8640 minute summer	PP2	4440	0.984	0.034	1.2	8.3881	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	S6	17.001	S7	1.5	0.099	0.032	0.8121	
8640 minute summer	S6	19.000	S7	0.0	0.000	0.000	0.0007	
8640 minute summer	S9	16.000	S5	0.0	0.002	0.000	0.0821	
8640 minute summer	S9	5.000	S12	0.0	0.005	0.000	0.1235	
8640 minute summer	S9	2.000	S10	0.0	-0.033	0.000	0.0151	
8640 minute summer	S9	3.000	S10	0.0	0.000	0.000	0.0002	
8640 minute summer	S9	6.000	S12	0.0	0.000	0.000	0.0007	
8640 minute summer	S5	15.001	S7	1.1	0.061	0.027	1.0303	
8640 minute summer	S5	20.000	S7	0.0	0.000	0.000	0.0009	
8640 minute summer	S7	15.002	S8	2.6	0.124	0.036	0.4163	
8640 minute summer	S7	21.000	S8	0.0	0.000	0.000	0.0003	
8640 minute summer	S8	15.003	S20	2.6	0.110	0.047	0.7765	
8640 minute summer	S8	22.000	S20	0.0	0.000	0.000	0.0003	
8640 minute summer	S20	1.009	S21	4.3	0.192	0.151	2.6391	
8640 minute summer	S20	24.000	S21	0.0	0.000	0.000	0.0018	
8640 minute summer	S21	1.010	S23	4.4	0.239	0.078	0.5791	
8640 minute summer	S21	26.000	S23	0.0	0.000	0.000	0.0005	
8640 minute summer	S22	25.000	S23	0.0	-0.009	0.000	1.6292	
8640 minute summer	S23	1.011	S24	6.1	0.388	0.069	0.2013	
8640 minute summer	S23	27.000	S24	0.0	0.000	0.000	0.0002	
8640 minute summer	S24	1.012	Pond In 2	6.6	0.540	0.052	0.0767	
8640 minute summer	Pond In 2	Flow through pond	Pond Out	8.8	0.006	0.001	170.8217	
8640 minute summer	Pond Out	34.000	Control MH	24.3	0.609	0.169	0.4506	
8640 minute summer	Control MH	34.001	Outfall	6.8	1.022	0.049	0.2291	1450.2
8640 minute summer	PP1	1.000	S11	0.3	0.256	0.107	0.0369	
8640 minute summer	PP2	15.000	S5	1.1	0.487	0.240	0.0884	



Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

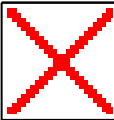
File: 9078 Holbeach Drove Gate - SW 10-01
Network: Holbeach
Terry Stafford
10/01/2024

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Results for 100 year +40% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 99.16%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	PP3	4440	0.846	0.046	0.9	6.1535	0.0000	OK
8640 minute summer	PP4	4800	1.002	0.064	3.3	107.1840	0.0000	OK
8640 minute summer	PP5	4500	0.974	0.036	1.4	16.2857	0.0000	OK

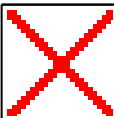
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	PP3	17.000	S6	0.8	0.310	0.344	0.1290	
8640 minute summer	PP4	28.000	S2	2.2	0.490	0.655	0.2956	
8640 minute summer	PP5	31.000	S3	1.3	0.514	0.274	0.0971	



Results for 100 year +40% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.35%

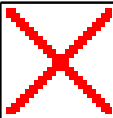
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S3	4740	0.436	0.086	2.3	0.0932	0.0000	OK
8640 minute winter	S4	4800	0.403	0.083	2.5	0.1460	0.0000	OK
8640 minute winter	Pond In 1	5280	0.102	0.097	2.5	0.0000	0.0000	OK
8640 minute winter	S10	4800	0.440	0.010	0.0	0.0109	0.0000	OK
8640 minute winter	S11	4800	0.440	0.020	0.2	0.0217	0.0000	OK
8640 minute winter	S12	4800	0.436	0.026	0.3	0.0372	0.0000	OK
8640 minute winter	S13	4800	0.435	0.025	0.0	0.0273	0.0000	OK
8640 minute winter	S14	4800	0.435	0.035	0.4	0.0488	0.0000	OK
8640 minute winter	S15	4740	0.434	0.044	0.6	0.0706	0.0000	OK
8640 minute winter	S16	4740	0.432	0.052	0.6	0.0557	0.0000	OK
8640 minute winter	S17	4740	0.431	0.061	0.7	0.0828	0.0000	OK
8640 minute winter	S18	4740	0.431	0.071	0.8	0.0958	0.0000	OK
8640 minute winter	S19	4740	0.431	0.081	0.8	0.0871	0.0000	OK
8640 minute winter	S1	4800	0.440	0.050	0.0	0.0535	0.0000	OK
8640 minute winter	S2	4800	0.440	0.060	2.0	0.0643	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S3	28.002	S4	2.3	0.110	0.080	0.8721	
8640 minute winter	S3	33.000	S4	0.0	0.000	0.000	0.0006	
8640 minute winter	S4	28.003	Pond In 1	2.5	0.210	0.061	0.1734	
8640 minute winter	Pond In 1	Flow through pond	Pond Out	7.8	0.006	0.001	125.6945	
8640 minute winter	S10	2.001	S11	0.0	0.004	0.000	0.0081	
8640 minute winter	S10	4.000	S11	0.0	0.000	0.000	0.0001	
8640 minute winter	S11	1.001	S12	0.2	0.084	0.003	0.0834	
8640 minute winter	S11	7.000	S12	0.0	0.000	0.000	0.0004	
8640 minute winter	S12	1.002	S14	0.3	0.090	0.003	0.0407	
8640 minute winter	S13	8.000	S14	0.0	0.005	0.000	0.0603	
8640 minute winter	S13	9.000	S14	0.0	0.000	0.000	0.0002	
8640 minute winter	S14	1.003	S15	0.4	0.084	0.007	0.1831	
8640 minute winter	S14	10.000	S15	0.0	0.000	0.000	0.0004	
8640 minute winter	S15	1.004	S16	0.6	0.102	0.012	0.3212	
8640 minute winter	S15	11.000	S16	0.0	0.000	0.000	0.0005	
8640 minute winter	S16	1.005	S17	0.6	0.091	0.006	0.1262	
8640 minute winter	S16	12.000	S17	0.0	0.000	0.000	0.0002	
8640 minute winter	S17	1.006	S18	0.7	0.064	0.007	0.1373	
8640 minute winter	S17	13.000	S18	0.0	0.000	0.000	0.0001	
8640 minute winter	S18	1.007	S19	0.8	0.057	0.013	0.4373	
8640 minute winter	S18	14.000	S19	0.0	0.000	0.000	0.0004	
8640 minute winter	S19	1.008	S20	0.8	0.045	0.017	0.9417	
8640 minute winter	S19	23.000	S20	0.0	0.000	0.000	0.0007	
8640 minute winter	S1	29.000	S2	0.0	0.000	0.000	0.0010	
8640 minute winter	S1	30.000	S2	0.0	-0.002	0.000	0.6836	
8640 minute winter	S2	28.001	S3	0.0	0.000	0.000	0.0012	
8640 minute winter	S2	18.000	S6	0.7	0.184	0.405	0.0520	
8640 minute winter	S2	32.000	S3	1.3	0.082	0.020	1.2733	



Results for 100 year +40% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	S6	4740	0.437	0.067	1.3	0.0721	0.0000	OK
8640 minute winter	S9	4800	0.440	0.000	0.0	0.0001	0.0000	OK
8640 minute winter	S5	4740	0.435	0.065	0.8	0.0707	0.0000	OK
8640 minute winter	S7	4740	0.434	0.074	2.1	0.0802	0.0000	OK
8640 minute winter	S8	4740	0.432	0.082	2.1	0.0889	0.0000	OK
8640 minute winter	S20	4740	0.430	0.090	3.5	0.2647	0.0000	OK
8640 minute winter	S21	4740	0.403	0.073	3.6	0.0969	0.0000	OK
8640 minute winter	S22	4500	0.389	0.059	0.0	0.0839	0.0000	OK
8640 minute winter	S23	4500	0.389	0.069	4.8	0.3066	0.0000	OK
8640 minute winter	S24	4500	0.368	0.058	5.2	0.1174	0.0000	OK
8640 minute winter	Pond In 2	5280	0.102	0.097	5.2	0.0000	0.0000	OK
8640 minute winter	Pond Out	5280	0.099	0.099	16.8	0.0000	0.0000	OK
8640 minute winter	Control MH	5460	0.192	0.342	31.4	0.6049	0.0000	SURCHARGED
8640 minute winter	Outfall 1	5220	-0.645	0.045	6.7	0.0000	0.0000	OK
8640 minute winter	PP1	4080	0.850	0.020	0.2	0.5621	0.0000	OK
8640 minute winter	PP2	4740	0.978	0.028	0.8	5.9555	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	S6	17.001	S7	1.3	0.096	0.028	0.6951	
8640 minute winter	S6	19.000	S7	0.0	0.000	0.000	0.0007	
8640 minute winter	S9	16.000	S5	0.0	0.000	0.000	0.0678	
8640 minute winter	S9	5.000	S12	0.0	0.000	0.000	0.0836	
8640 minute winter	S9	2.000	S10	0.0	0.000	0.000	0.0066	
8640 minute winter	S9	3.000	S10	0.0	0.000	0.000	0.0002	
8640 minute winter	S9	6.000	S12	0.0	0.000	0.000	0.0007	
8640 minute winter	S5	15.001	S7	0.8	0.055	0.019	0.8743	
8640 minute winter	S5	20.000	S7	0.0	0.000	0.000	0.0009	
8640 minute winter	S7	15.002	S8	2.1	0.116	0.029	0.3605	
8640 minute winter	S7	21.000	S8	0.0	0.000	0.000	0.0003	
8640 minute winter	S8	15.003	S20	2.1	0.100	0.038	0.6817	
8640 minute winter	S8	22.000	S20	0.0	0.000	0.000	0.0003	
8640 minute winter	S20	1.009	S21	3.5	0.179	0.124	2.3140	
8640 minute winter	S20	24.000	S21	0.0	0.000	0.000	0.0018	
8640 minute winter	S21	1.010	S23	3.6	0.229	0.064	0.4977	
8640 minute winter	S21	26.000	S23	0.0	0.000	0.000	0.0005	
8640 minute winter	S22	25.000	S23	0.0	-0.008	0.000	1.3748	
8640 minute winter	S23	1.011	S24	4.8	0.360	0.054	0.1716	
8640 minute winter	S23	27.000	S24	0.0	0.000	0.000	0.0002	
8640 minute winter	S24	1.012	Pond In 2	5.2	0.506	0.041	0.0645	
8640 minute winter	Pond In 2	Flow through pond	Pond Out	7.8	0.006	0.001	125.6945	
8640 minute winter	Pond Out	34.000	Control MH	31.4	0.633	0.219	0.4083	
8640 minute winter	Control MH	34.001	Outfall	6.7	1.021	0.048	0.2281	1641.3
8640 minute winter	PP1	1.000	S11	0.2	0.227	0.071	0.0278	
8640 minute winter	PP2	15.000	S5	0.8	0.444	0.172	0.0695	



Results for 100 year +40% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 99.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	PP3	4860	0.839	0.039	0.6	4.4161	0.0000	OK
8640 minute winter	PP4	4980	0.998	0.060	2.4	97.2365	0.0000	OK
8640 minute winter	PP5	4740	0.969	0.031	1.0	12.3977	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	PP3	17.000	S6	0.6	0.282	0.248	0.1027	
8640 minute winter	PP4	28.000	S2	2.0	0.479	0.597	0.2756	
8640 minute winter	PP5	31.000	S3	1.0	0.478	0.211	0.0804	

BAG IT & BIN IT

DO NOT FLUSH IT, BAG IT AND BIN IT



Pet Faeces



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Engine Oil



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Cotton Wool



Condoms



Medicines



Nappies/incontinence products



Needles



Rags



Cooking Fat



Kitchen Waste



Razor Blades