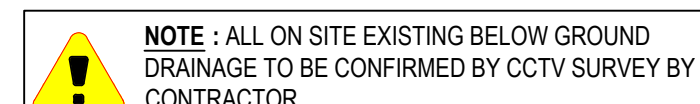


1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.
2. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE. TBC ON SITE
4. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM. TBC ON SITE
5. DRAWINGS ARE NOT TO BE SCALED.
6. ALL TEMPORARY WORKS TO CONTRACTORS DETAILS.
7. CONTRACTOR TO APPROVE ALL SET OUT INFORMATION PRIOR TO CONSTRUCTION.

 SITE BOUNDARY
 EXISTING THAMES FOUL WATER SEWER
 EXISTING THAMES FOUL WATER SEWER TO BE ABANDONED
 EXISTING THAMES SURFACE WATER SEWER
 EXISTING THAMES SURFACE WATER SEWER ABANDONED
 EXISTING PRIVATE FOUL WATER PIPE
 EXISTING PRIVATE SURFACE WATER SEWER
 NEW SURFACE WATER SEWER



 **NOTE: ALL EXISTING THAMES WATER ASSETS ARE SHOWN APPROXIMATELY AND NEED TO BE CONFIRMED ON SITE BY CONTRACTOR**

P01	05.03.26	issued for information	DO	

Tangmere

TITLE:

SEWER ABANDONMENT

CLIENT: Formation D&B Ltd

MWP
ENGINEERING AND ENVIRONMENTAL CONSULTANTS
CORIE | TRALEE | LONDON | LIMERICK

DRAWN: VH	CHECKED: SZ	APPROVED: RS
PROJECT NUMBER: 26015	DATE: 02/02/26	SCALE @ A: As indicated
STATUS DESCRIPTION: FOR INFORMATION		STATUS: S2
DRAWING NUMBER: TAN-MWP-XX-00-DR-CV-2300		REV: P01

SCALE1 : 150

Appendix E

MWP – Existing Runoff Rates Calculation

Tangmere Town Block

Project No.	26015
Date	Mar-26
Design By	DO
Checked By	RS
Calc Pg No.	1

Surface Water Run-off Calculation:

SW run-off from pre-developed site:

Impermeable area =	1910	m ²
Permeable area =	814	m ²
Proposed Discharge from Site =	1	l/s

Formula for calculating run-off from impermeable areas:

$$Q = 2.78 C i A$$

C = Run-off Coefficient =	0.9
i = rainfall intensity (50mm/hr)	50 mm/h for an average 1 in 2 year storm event
A = impermeable area	0.191 hectares

Hydrological Growth Curve Factors:

1 year factor =	0.85
30 year factor =	2.3
100 year factor =	3.19

Run-off from impermeable Surfaces:

Surface	Area (ha) (ha)	Coefficient © ©	Storm Event (1 in x yr)	Growth Curve Factor	Surface Water Run-off Discharge Rate (l/s)
Hard Standing	0.191	0.9	1	0.85	20.31
	0.191	0.9	30	2.3	54.96
	0.191	0.9	100	3.19	76.22
	0.191	0.9	100 + 40% CC	3.19	106.71

Summary of Existing Run-off:

Storm Event (1 in x yr)	Discharge from permeable area of site (l/s)	Discharge from impermeable area of site (l/s)	Total Discharge from Site (l/s)
1	0	20.31	20.31
30	0	54.96	54.96
100	0	76.22	76.22
100+40%CC	0	106.71	106.71

Existing vs Proposed Runoff rates:

Storm Event (1 in x yr)	Existing Discharge from Site (l/s)	Proposed Discharge from Site (l/s)	Reduction (l/s)
1	20.31	1.00	95%
30	54.96	1.00	98%
100	76.22	1.00	99%
100+40%CC	106.71	1.00	99%

Appendix F

MWP – Greenfield Runoff Rate

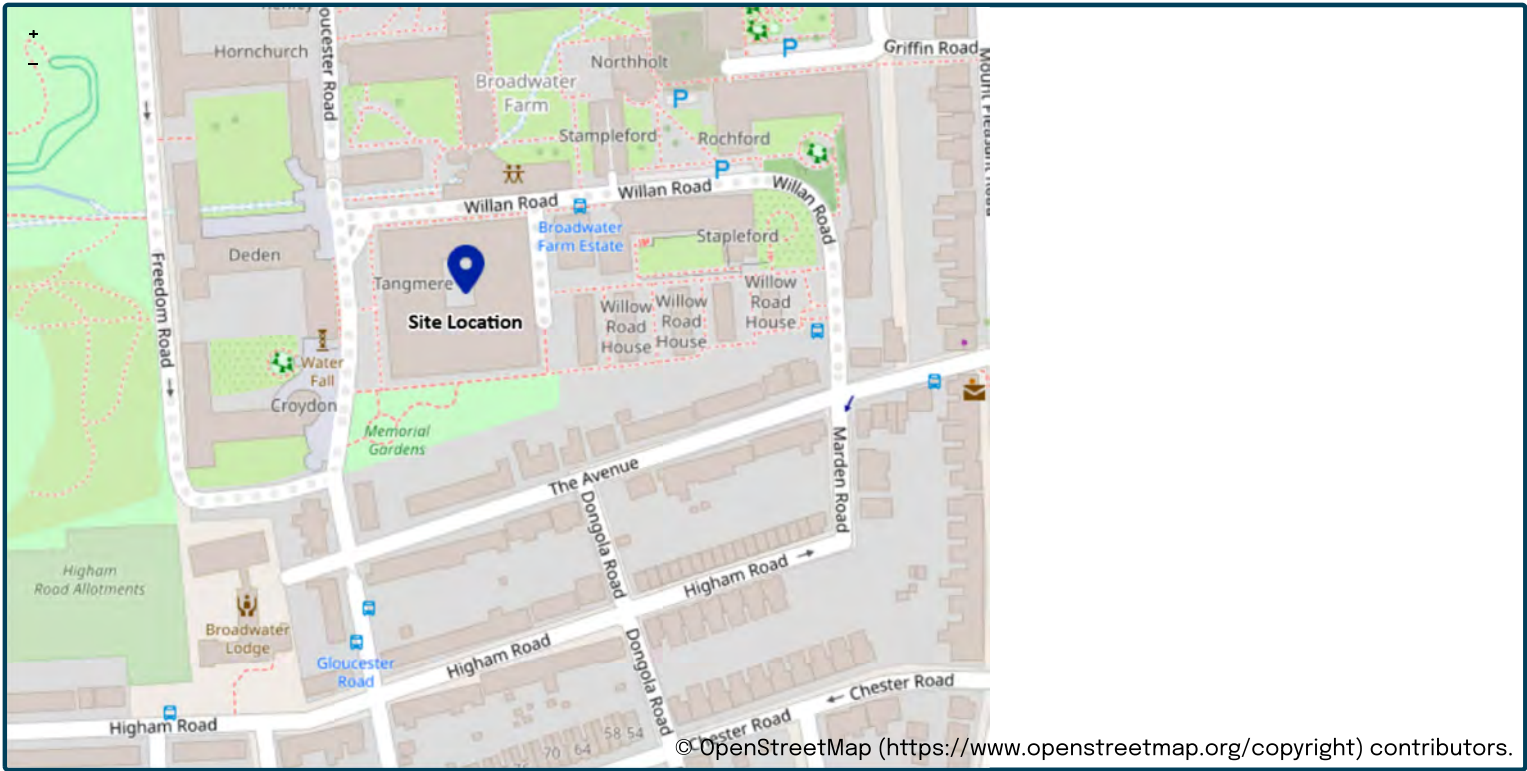
This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013), the SuDS Manual C753 (CIRIA, 2015) and the non-statutory standards for SuDS (Defra, 2015).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

Project details

Date	17/03/2026
Calculated by	D.O
Reference	
Model version	2.2.3

Location

Site name	Tangmere
Site location	Haringey



Site easting (British National Grid)	532952
Site northing (British National Grid)	190088

Site details

Total site area (ha)	0.2724	ha
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Greenfield runoff

Method

Method	IH124
--------	-------

IH124

	<u>My value</u>		<u>Map value</u>
SAAR (mm)	631	mm	631
How should SPR be derived?	WRAP soil type		
WRAP soil type	2		2
SPR	0.3		
QBar (IH124) (l/s)	0.4	l/s	

Growth curve factors

	<u>My value</u>		<u>Map value</u>
Hydrological region	6		6
1 year growth factor	0.85		
2 year growth factor	0.88		
10 year growth factor	1.62		
30 year growth factor	2.3		
100 year growth factor	3.19		
200 year growth factor	3.74		

Results

Method	IH124	
Flow rate 1 year (l/s)	0.4	l/s
Flow rate 2 year (l/s)	0.4	l/s
Flow rate 10 years (l/s)	0.7	l/s
Flow rate 30 years (l/s)	1.0	l/s
Flow rate 100 years (l/s)	1.4	l/s
Flow rate 200 years (l/s)	1.6	l/s

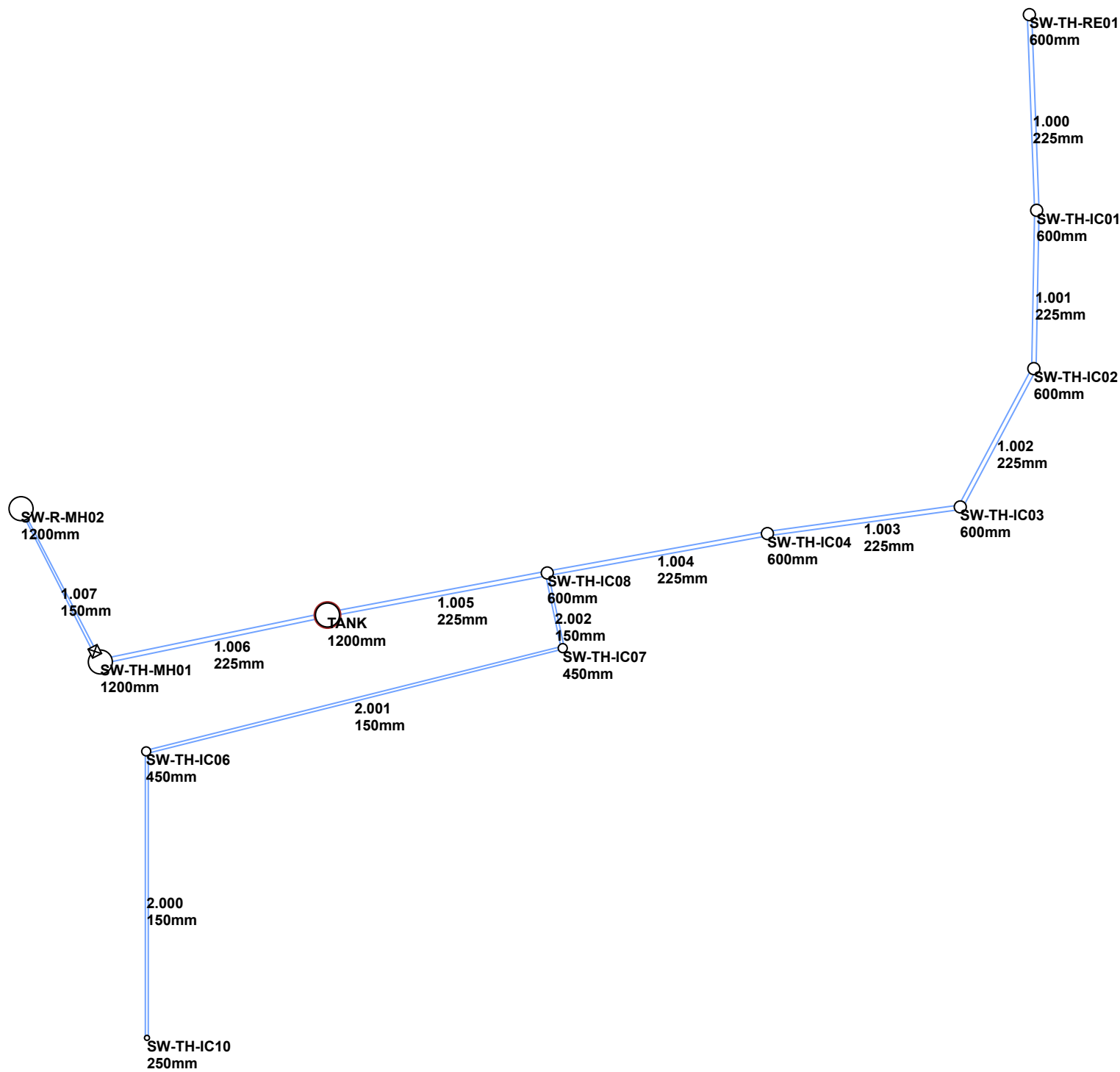
Please note runoff estimation is subject to significant uncertainty. Results are therefore normally reported to only 1 decimal place. Where 2 decimal places are provided, this does not indicate accuracy to this level, it has been adopted to prevent 'zero' figures from being reported. Outputs less than 0.01 l/s are reported as 0.01 l/s.

Disclaimer

This report was produced using the Greenfield runoff rate estimation tool (2.2.3) developed by HR Wallingford and available at [uksuds.com](https://www.uksuds.com) (<https://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 [uksuds.com/terms-conditions](https://www.uksuds.com/terms-conditions) (<https://www.uksuds.com/terms-conditions>). The outputs from this tool have been used to estimate 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, Centre for Ecology and Hydrology, Wallingford Hydrosolutions or any other organisation for the use of these data in the design or operational characteristics of any drainage scheme.

Appendix G

MWP – Causeway Flow Calculation



Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	100	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	0.750	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	x
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
SW-TH-IC10		5.00	17.730	250	18.634	48.209	1.256	16.474
SW-TH-IC06	0.016	5.00	17.300	450	18.595	62.564	1.835	15.465
SW-TH-IC07	0.036	5.00	16.435	450	39.388	67.736	1.275	15.160
SW-TH-RE01	0.009	5.00	16.330	600	62.682	99.477	0.643	15.687
SW-TH-IC01	0.012	5.00	16.490	600	63.046	89.673	0.875	15.615
SW-TH-IC02	0.003	5.00	16.640	600	62.905	81.741	1.175	15.465
SW-TH-IC03	0.026	5.00	16.690	600	59.232	74.812	1.330	15.360
SW-TH-IC04	0.045	5.00	16.460	600	49.605	73.476	1.250	15.210
SW-TH-IC08			16.200	600	38.616	71.504	1.195	15.005
TANK			16.175	1200	27.645	69.396	1.190	14.985
SW-TH-MH01			16.585	1200	16.306	67.043	1.640	14.945
SW-R-MH02			16.250	1200	12.348	74.724	1.425	14.825

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)
2.000	SW-TH-IC10	SW-TH-IC06	16.148	0.600	16.474	16.025	0.449	36.0	150	5.16	50.0
1.003	SW-TH-IC03	SW-TH-IC04	25.540	0.600	15.360	15.210	0.150	170.3	225	6.07	50.0
1.000	SW-TH-RE01	SW-TH-IC01	11.700	0.600	15.687	15.615	0.072	162.5	225	5.19	50.0
1.001	SW-TH-IC01	SW-TH-IC02	22.100	0.600	15.615	15.465	0.150	147.3	225	5.53	50.0
1.002	SW-TH-IC02	SW-TH-IC03	9.427	0.600	15.465	15.360	0.105	89.8	225	5.65	50.0
2.001	SW-TH-IC06	SW-TH-IC07	30.554	0.600	15.465	15.160	0.305	100.2	150	5.67	50.0
1.004	SW-TH-IC04	SW-TH-IC08	34.813	0.600	15.210	15.005	0.205	169.8	225	6.65	50.0
2.002	SW-TH-IC07	SW-TH-IC08	2.500	0.600	15.160	15.135	0.025	100.0	150	5.71	50.0
1.005	SW-TH-IC08	TANK	1.300	0.600	15.005	14.985	0.020	65.0	225	6.67	50.0
1.006	TANK	SW-TH-MH01	1.000	0.600	14.985	14.945	0.040	25.0	225	6.67	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)
2.000	1.684	29.8	0.0	1.106	1.125	0.000	0.0	0	0.000
1.003	0.999	39.7	6.8	1.105	1.025	0.050	0.0	63	0.750
1.000	1.023	40.7	1.2	0.418	0.650	0.009	0.0	27	0.460
1.001	1.075	42.7	2.8	0.650	0.950	0.021	0.0	39	0.613
1.002	1.380	54.9	3.3	0.950	1.105	0.024	0.0	37	0.767
2.001	1.004	17.7	2.2	1.685	1.125	0.016	0.0	35	0.682
1.004	1.000	39.8	12.9	1.025	0.970	0.095	0.0	88	0.897
2.002	1.005	17.8	7.0	1.125	0.915	0.052	0.0	66	0.949
1.005	1.624	64.6	19.9	0.970	0.965	0.147	0.0	86	1.436
1.006	2.627	104.5	19.9	0.965	1.415	0.147	0.0	66	2.037

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)
1.007	SW-TH-MH01	SW-R-MH02	8.132	0.600	14.945	14.825	0.120	67.8	225	6.76	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)
1.007	1.591	63.2	19.9	1.415	1.200	0.147	0.0	87	1.413

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)
2.000	16.148	36.0	150	Circular	17.730	16.474	1.106	17.300	16.025	1.125
1.003	25.540	170.3	225	Circular	16.690	15.360	1.105	16.460	15.210	1.025
1.000	11.700	162.5	225	Circular	16.330	15.687	0.418	16.490	15.615	0.650
1.001	22.100	147.3	225	Circular	16.490	15.615	0.650	16.640	15.465	0.950
1.002	9.427	89.8	225	Circular	16.640	15.465	0.950	16.690	15.360	1.105
2.001	30.554	100.2	150	Circular	17.300	15.465	1.685	16.435	15.160	1.125
1.004	34.813	169.8	225	Circular	16.460	15.210	1.025	16.200	15.005	0.970
2.002	2.500	100.0	150	Circular	16.435	15.160	1.125	16.200	15.135	0.915
1.005	1.300	65.0	225	Circular	16.200	15.005	0.970	16.175	14.985	0.965
1.006	1.000	25.0	225	Circular	16.175	14.985	0.965	16.585	14.945	1.415
1.007	8.132	67.8	225	Circular	16.585	14.945	1.415	16.250	14.825	1.200

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
2.000	SW-TH-IC10	250	Manhole	Adoptable	SW-TH-IC06	450	Manhole	Adoptable
1.003	SW-TH-IC03	600	Manhole	Adoptable	SW-TH-IC04	600	Manhole	Adoptable
1.000	SW-TH-RE01	600	Manhole	Adoptable	SW-TH-IC01	600	Manhole	Adoptable
1.001	SW-TH-IC01	600	Manhole	Adoptable	SW-TH-IC02	600	Manhole	Adoptable
1.002	SW-TH-IC02	600	Manhole	Adoptable	SW-TH-IC03	600	Manhole	Adoptable
2.001	SW-TH-IC06	450	Manhole	Adoptable	SW-TH-IC07	450	Manhole	Adoptable
1.004	SW-TH-IC04	600	Manhole	Adoptable	SW-TH-IC08	600	Manhole	Adoptable
2.002	SW-TH-IC07	450	Manhole	Adoptable	SW-TH-IC08	600	Manhole	Adoptable
1.005	SW-TH-IC08	600	Manhole	Adoptable	TANK	1200	Manhole	Adoptable
1.006	TANK	1200	Manhole	Adoptable	SW-TH-MH01	1200	Manhole	Adoptable
1.007	SW-TH-MH01	1200	Manhole	Adoptable	SW-R-MH02	1200	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW-TH-IC10	18.634	48.209	17.730	1.256	250				
						0	2.000	16.474	150
SW-TH-IC06	18.595	62.564	17.300	1.835	450		1	2.000	16.025
						0	2.001	15.465	150
SW-TH-IC07	39.388	67.736	16.435	1.275	450		1	2.001	15.160
						0	2.002	15.160	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
SW-TH-RE01	62.682	99.477	16.330	0.643	600		0	1.000	15.687	225
SW-TH-IC01	63.046	89.673	16.490	0.875	600		1	1.000	15.615	225
SW-TH-IC02	62.905	81.741	16.640	1.175	600		1	1.001	15.615	225
SW-TH-IC03	59.232	74.812	16.690	1.330	600		0	1.001	15.465	225
SW-TH-IC04	49.605	73.476	16.460	1.250	600		1	1.002	15.465	225
SW-TH-IC08	38.616	71.504	16.200	1.195	600		1	1.002	15.360	225
TANK	27.645	69.396	16.175	1.190	1200		0	1.003	15.360	225
SW-TH-MH01	16.306	67.043	16.585	1.640	1200		1	1.003	15.210	225
SW-TH-MH02	12.348	74.724	16.250	1.425	1200		0	1.004	15.210	225
SW-TH-MH03	12.348	74.724	16.250	1.425	1200		1	2.002	15.135	150
SW-TH-MH04	12.348	74.724	16.250	1.425	1200		2	1.004	15.005	225
SW-TH-MH05	12.348	74.724	16.250	1.425	1200		0	1.005	15.005	225
SW-TH-MH06	12.348	74.724	16.250	1.425	1200		1	1.005	14.985	225
SW-TH-MH07	12.348	74.724	16.250	1.425	1200		0	1.006	14.985	225
SW-TH-MH08	12.348	74.724	16.250	1.425	1200		1	1.006	14.945	225
SW-TH-MH09	12.348	74.724	16.250	1.425	1200		0	1.007	14.945	225
SW-TH-MH10	12.348	74.724	16.250	1.425	1200		1	1.007	14.825	225

Simulation Settings

Rainfall Methodology	FEH-13	Analysis Speed	Normal	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	0.750	Drain Down Time (mins)	240	Check Discharge Volume	x
Winter CV	0.840	Additional Storage (m³/ha)	20.0		

Storm Durations

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

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
30	0	0	0
100	40	0	0



Node SW-TH-MH01 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	14.945	Product Number	CTL-SHE-0049-1000-0800-1000
Design Depth (m)	0.800	Min Outlet Diameter (m)	0.075
Design Flow (l/s)	1.0	Min Node Diameter (mm)	1200

Node TANK Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	14.985
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.97	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	89.8	89.8	0.800	89.8	116.7	0.801	0.0	116.7

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
15 minute winter	SW-TH-IC06	10	15.492	0.027	1.3	0.0090	0.0000	OK
15 minute winter	SW-TH-IC07	10	15.214	0.054	4.2	0.0394	0.0000	OK
15 minute winter	SW-TH-RE01	11	15.708	0.021	0.7	0.0115	0.0000	OK
15 minute winter	SW-TH-IC01	10	15.646	0.031	1.7	0.0171	0.0000	OK
15 minute winter	SW-TH-IC02	11	15.493	0.028	1.8	0.0094	0.0000	OK
15 minute winter	SW-TH-IC03	11	15.407	0.047	3.9	0.0317	0.0000	OK
15 minute winter	SW-TH-IC04	11	15.274	0.064	7.3	0.0646	0.0000	OK
15 minute winter	SW-TH-IC08	9	15.181	0.176	11.3	0.0497	0.0000	OK
240 minute winter	TANK	188	15.111	0.126	5.9	11.1083	0.0000	OK
240 minute winter	SW-TH-MH01	176	15.113	0.168	4.5	0.1897	0.0000	OK
240 minute winter	SW-R-MH02	188	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
15 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.3	0.326	0.071	0.1209	
15 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	4.0	0.755	0.227	0.0133	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.7	0.289	0.017	0.0294	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.6	0.544	0.038	0.0673	
15 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.9	0.425	0.034	0.0418	
15 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	3.9	0.505	0.097	0.1964	
15 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	7.2	0.658	0.182	0.7145	
15 minute winter	SW-TH-IC08	1.005	TANK	14.2	1.614	0.220	0.0218	
240 minute winter	TANK	1.006	SW-TH-MH01	4.5	0.410	0.043	0.0272	
240 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.567	0.014	0.0130	19.3

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute winter	SW-TH-IC06	352	15.589	0.124	1.0	0.0414	0.0000	OK
360 minute winter	SW-TH-IC07	344	15.589	0.429	3.2	0.3108	0.0000	SURCHARGED
15 minute winter	SW-TH-RE01	10	15.732	0.045	3.7	0.0255	0.0000	OK
15 minute winter	SW-TH-IC01	10	15.685	0.070	8.7	0.0392	0.0000	OK
360 minute winter	SW-TH-IC02	344	15.591	0.126	1.4	0.0419	0.0000	OK
360 minute winter	SW-TH-IC03	344	15.590	0.230	3.0	0.1551	0.0000	SURCHARGED
360 minute winter	SW-TH-IC04	344	15.589	0.379	5.7	0.3801	0.0000	SURCHARGED
360 minute winter	SW-TH-IC08	360	15.590	0.585	8.1	0.1655	0.0000	SURCHARGED
360 minute winter	TANK	352	15.588	0.603	13.0	53.2377	0.0000	SURCHARGED
360 minute winter	SW-TH-MH01	360	15.587	0.642	4.3	0.7264	0.0000	SURCHARGED
15 minute summer	SW-R-MH02	112	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.0	0.284	0.056	0.5075	
360 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	3.0	0.659	0.169	0.0440	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	3.7	0.455	0.090	0.0954	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	8.5	0.863	0.199	0.2182	
360 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.4	0.397	0.026	0.2947	
360 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	3.0	0.459	0.075	1.0158	
360 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	5.2	0.397	0.132	1.3846	
360 minute winter	SW-TH-IC08	1.005	TANK	8.2	0.916	0.128	0.0517	
360 minute winter	TANK	1.006	SW-TH-MH01	-7.4	0.263	-0.071	0.0398	
360 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	28.8

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 66.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
120 minute winter	SW-TH-IC06	82	15.957	0.492	4.0	0.1640	0.0000	SURCHARGED
120 minute winter	SW-TH-IC07	82	15.959	0.799	12.6	0.5786	0.0000	SURCHARGED
15 minute winter	SW-TH-RE01	12	16.133	0.446	6.9	0.2513	0.0000	FLOOD RISK
15 minute winter	SW-TH-IC01	12	16.131	0.516	15.0	0.2874	0.0000	SURCHARGED
15 minute winter	SW-TH-IC02	12	16.113	0.648	16.8	0.2164	0.0000	SURCHARGED
15 minute winter	SW-TH-IC03	12	16.101	0.741	30.4	0.4991	0.0000	SURCHARGED
15 minute winter	SW-TH-IC04	12	15.992	0.781	59.5	0.7838	0.0000	SURCHARGED
600 minute summer	SW-TH-IC08	345	15.816	0.811	13.5	0.2296	0.0000	SURCHARGED
240 minute winter	TANK	140	15.875	0.890	25.9	70.7348	0.0000	SURCHARGED
120 minute winter	SW-TH-MH01	82	15.946	1.001	9.6	1.1322	0.0000	SURCHARGED
120 minute winter	SW-R-MH02	82	14.846	0.021	1.1	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
120 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	3.9	0.375	0.218	0.5379	
120 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	28.8	1.637	1.623	0.0440	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	6.3	0.549	0.156	0.4653	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	14.6	0.928	0.342	0.8789	
15 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	17.2	0.695	0.314	0.3749	
15 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	31.1	0.782	0.783	1.0158	
15 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	58.2	1.463	1.463	1.3846	
600 minute summer	SW-TH-IC08	1.005	TANK	13.4	0.894	0.207	0.0517	
240 minute winter	TANK	1.006	SW-TH-MH01	-9.2	0.301	-0.088	0.0398	
120 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.1	0.595	0.017	0.0150	18.9

Appendix H

MWP – Exceedance Plan