

Project:	Date: 04/04/2024			
	Designed by: AHunt	Checked by:	Approved By:	
	Company Address:			
Report Details: Type: Junctions Storm Phase: SW				

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S11	Manhole	474471.080	106546.602	8.513	1.013	7.500	Circular	1.200
S4	Manhole	474472.681	106560.738	8.539	1.339	7.200	Circular	1.200
S12	Manhole	474471.676	106527.485	8.454	1.204	7.250	Circular	1.200
S20	Manhole	474474.428	106511.640	8.350	1.350	7.000	Circular	1.200
S5	Manhole	474503.293	106559.449	8.300	1.700	6.600	Circular	1.200
S13	Manhole	474473.459	106495.965	8.149	1.399	6.750	Circular	1.200
S6	Manhole	474525.865	106558.215	8.024	1.674	6.350	Circular	1.200
S14	Manhole	474480.579	106483.950	7.919	1.319	6.600	Circular	1.200
S19	Manhole	474542.022	106554.599	7.768	1.618	6.150	Circular	1.200
S7	Manhole	474548.190	106546.828	7.612	1.562	6.050	Circular	1.200
S15	Manhole	474508.442	106478.643	7.500	1.250	6.250	Circular	1.200
S8	Manhole	474552.278	106524.998	7.345	1.545	5.800	Circular	1.200
S16	Manhole	474540.327	106474.963	7.150	1.250	5.900	Circular	1.200
S9	Manhole	474566.351	106510.271	7.139	1.539	5.600	Circular	1.200
S10	Manhole	474567.625	106495.753	7.009	1.609	5.400	Circular	1.350
S17	Manhole	474567.406	106476.896	6.959	1.359	5.600	Circular	1.200
Manhole	Manhole	474613.862	106509.307	5.500	0.900	4.600	Circular	1.350

Name	Lock
S11	None
S4	None
S12	None
S20	None
S5	None
S13	None
S6	None
S14	None
S19	None
S7	None
S15	None
S8	None
S16	None
S9	None
S10	None
S17	None
Manhole	None

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Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S11	Inlet	Catchment Area (35)	(None)	No Restriction
	Inlet (1)	Catchment Area (4)	(None)	No Restriction
S4	Inlet	Catchment Area (20)	(None)	No Restriction
	Inlet (1)	Catchment Area	(None)	No Restriction
	Inlet (2)	Catchment Area (1)	(None)	No Restriction
S12	Inlet	Pipe009	(None)	No Restriction
	Inlet (1)	Catchment Area (34)	(None)	No Restriction
	Inlet (2)	Catchment Area (7)	(None)	No Restriction
S20	Inlet	Pipe019	(None)	No Restriction
	Inlet (1)	Catchment Area (33)	(None)	No Restriction
	Inlet (2)	Catchment Area (9)	(None)	No Restriction
S5	Inlet	Pipe003	(None)	No Restriction
	Inlet (1)	Catchment Area (21)	(None)	No Restriction
	Inlet (2)	Catchment Area (5)	(None)	No Restriction
	Inlet (3)	Catchment Area (2)	(None)	No Restriction
S13	Inlet	Pipe020	(None)	No Restriction
	Inlet (1)	Catchment Area (32)	(None)	No Restriction
	Inlet (2)	Catchment Area (8)	(None)	No Restriction
S6	Inlet	Pipe004	(None)	No Restriction
	Inlet (1)	Catchment Area (22)	(None)	No Restriction
	Inlet (2)	Catchment Area (6)	(None)	No Restriction
	Inlet (3)	Catchment Area (3)	(None)	No Restriction
S14	Inlet	Pipe011	(None)	No Restriction
	Inlet (1)	Catchment Area (31)	(None)	No Restriction
	Inlet (2)	Catchment Area (10)	(None)	No Restriction
S19	Inlet	Pipe017	(None)	No Restriction
	Inlet (1)	Catchment Area (23)	(None)	No Restriction
S7	Inlet	Pipe018	(None)	No Restriction
	Inlet (1)	Catchment Area (24)	(None)	No Restriction
	Inlet (2)	Catchment Area (19)	(None)	No Restriction
S15	Inlet	Pipe012	(None)	No Restriction
	Inlet (1)	Catchment Area (30)	(None)	No Restriction
	Inlet (2)	Catchment Area (11)	(None)	No Restriction
S8	Inlet	Pipe006	(None)	No Restriction
	Inlet (1)	Catchment Area (25)	(None)	No Restriction
	Inlet (2)	Catchment Area (17)	(None)	No Restriction
	Inlet (3)	Catchment Area (18)	(None)	No Restriction
S16	Inlet	Pipe013	(None)	No Restriction
	Inlet (1)	Catchment Area (29)	(None)	No Restriction
	Inlet (2)	Catchment Area (12)	(None)	No Restriction
S9	Inlet	Pipe007	(None)	No Restriction
	Inlet (1)	Catchment Area (26)	(None)	No Restriction
	Inlet (2)	Catchment Area (15)	(None)	No Restriction
	Inlet (3)	Catchment Area (16)	(None)	No Restriction
S10	Inlet	Pipe008	(None)	No Restriction
	Inlet (1)	Pipe015	(None)	No Restriction
	Inlet (2)	Catchment Area (27)	(None)	No Restriction
	Inlet (3)	Catchment Area (14)	(None)	No Restriction
S17	Inlet	Pipe014	(None)	No Restriction
	Inlet (1)	Catchment Area (28)	(None)	No Restriction
	Inlet (2)	Catchment Area (13)	(None)	No Restriction
Manhole	Inlet	Pipe (1)	(None)	No Restriction

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Report Details: Type: Junctions Storm Phase: SW	Company Address:			

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S11	Outlet	Pipe009	Free Discharge
S4	Outlet	Pipe003	Free Discharge
S12	Outlet	Pipe019	Free Discharge
S20	Outlet	Pipe020	Free Discharge
S5	Outlet	Pipe004	Free Discharge
S13	Outlet	Pipe011	Free Discharge
S6	Outlet	Pipe017	Free Discharge
S14	Outlet	Pipe012	Free Discharge
S19	Outlet	Pipe018	Free Discharge
S7	Outlet	Pipe006	Free Discharge
S15	Outlet	Pipe013	Free Discharge
S8	Outlet	Pipe007	Free Discharge
S16	Outlet	Pipe014	Free Discharge
S9	Outlet	Pipe008	Free Discharge
S10	Outlet	Pipe	Free Discharge
S17	Outlet	Pipe015	Free Discharge

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: SW	Company Address:		





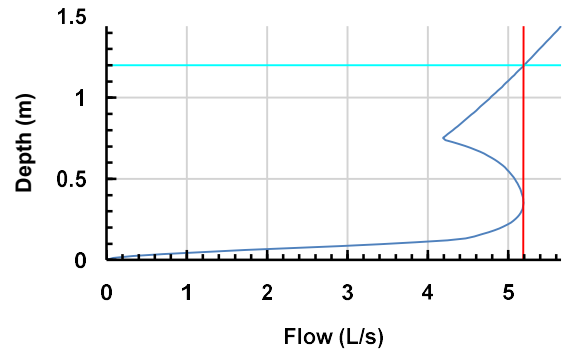
Cellular Storage

Type : Cellular Storage

Dimensions	
Exceedance Level (m)	6.800
Depth (m)	0.900
Base Level (m)	4.800
Number of Crates Long	20
Number of Crates Wide	40
Number of Crates High	2
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.45
Total Volume (m³)	343.100

Inlets	
Inlet (1)	
Inlet Type	Point Inflow
Incoming Item(s)	Pipe
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Pipe (1)
Outlet Type	Hydro-Brake®
Invert Level (m)	5.022
Design Depth (m)	1.200
Design Flow (L/s)	5.2
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☒
Unit Reference	SHE-0104-5200-1200-5200



Project:	Date: 04/04/2024		
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Report Details: Type: Connections Storm Phase: SW	Company Address:		



Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe003	30.639	Pipe	51.065		0.6	150	8.539	7.200
Pipe004	22.606	Pipe	90.423		0.6	225	8.300	6.600
Pipe006	22.210	Pipe	88.838		0.6	300	7.612	6.050
Pipe007	20.370	Pipe	101.851		0.6	300	7.345	5.800
Pipe008	14.574	Pipe	72.870		0.6	300	7.139	5.600
Pipe009	19.127	Pipe	76.506		0.6	100	8.513	7.500
Pipe011	13.966	Pipe	93.109		0.6	225	8.149	6.750
Pipe012	28.364	Pipe	81.040		0.6	225	7.919	6.600
Pipe013	32.096	Pipe	91.704		0.6	300	7.500	6.250
Pipe014	27.148	Pipe	90.493		0.6	300	7.150	5.900
Pipe015	18.858	Pipe	94.288		0.6	300	6.959	5.600
Pipe017	16.557	Pipe	82.785		0.6	300	8.024	6.350
Pipe018	9.920	Pipe	99.201		0.6	300	7.768	6.150
Pipe019	16.082	Pipe	64.329		0.6	150	8.454	7.250
Pipe020	15.704	Pipe	62.817		0.6	225	8.350	7.000
Pipe (1)	24.248	Pipe	57.516		0.6	375	6.800	5.022
Pipe	24.005	Pipe	160.036		0.6	375	7.009	5.400

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)
Pipe003	8.300	6.600		None	
Pipe004	8.024	6.350		None	
Pipe006	7.345	5.800		None	
Pipe007	7.139	5.600		None	
Pipe008	7.009	5.400		None	
Pipe009	8.454	7.250		None	
Pipe011	7.919	6.600		None	
Pipe012	7.500	6.250		None	
Pipe013	7.150	5.900		None	
Pipe014	6.959	5.600		None	
Pipe015	7.009	5.400		None	
Pipe017	7.768	6.150		None	
Pipe018	7.612	6.050		None	
Pipe019	8.350	7.000		None	
Pipe020	8.149	6.750		None	
Pipe (1)	5.500	4.600		All	5.2
Pipe	6.800	5.250		All	

Project:	Date: 04/04/2024		
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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (m²)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (m²)
Catchment Area	S4		Time of Concentration	111.128	100	0	100	111.128
Catchment Area (1)	S4		Time of Concentration	168.497	100	0	100	168.497
Catchment Area (2)	S5		Time of Concentration	223.114	100	0	100	223.114
Catchment Area (3)	S6		Time of Concentration	218.512	100	0	100	218.512
Catchment Area (4)	S11		Time of Concentration	115.399	100	0	100	115.399
Catchment Area (5)	S5		Time of Concentration	226.160	100	0	100	226.160
Catchment Area (6)	S6		Time of Concentration	159.724	100	0	100	159.724
Catchment Area (7)	S12		Time of Concentration	154.426	100	0	100	154.426
Catchment Area (8)	S13		Time of Concentration	220.390	100	0	100	220.390
Catchment Area (9)	S20		Time of Concentration	146.491	100	0	100	146.491
Catchment Area (10)	S14		Time of Concentration	151.466	100	0	100	151.466
Catchment Area (11)	S15		Time of Concentration	151.466	100	0	100	151.466
Catchment Area (12)	S16		Time of Concentration	151.693	100	0	100	151.693
Catchment Area (13)	S17		Time of Concentration	75.451	100	0	100	75.451
Catchment Area (14)	S10		Time of Concentration	69.487	100	0	100	69.487
Catchment Area (15)	S9		Time of Concentration	82.713	100	0	100	82.713
Catchment Area (16)	S9		Time of Concentration	76.124	100	0	100	76.124
Catchment Area (17)	S8		Time of Concentration	80.918	100	0	100	80.918
Catchment Area (18)	S8		Time of Concentration	85.474	100	0	100	85.474
Catchment Area (19)	S7		Time of Concentration	173.621	100	0	100	173.621
Catchment Area (20)	S4		Time of Concentration	331.042	100	0	100	331.042
Catchment Area (21)	S5		Time of Concentration	286.787	100	0	100	286.787
Catchment Area (22)	S6		Time of Concentration	91.737	100	0	100	91.737
Catchment Area (23)	S19		Time of Concentration	51.869	100	0	100	51.869
Catchment Area (24)	S7		Time of Concentration	77.894	100	0	100	77.894
Catchment Area (25)	S8		Time of Concentration	84.324	100	0	100	84.324
Catchment Area (26)	S9		Time of Concentration	71.963	100	0	100	71.963
Catchment Area (27)	S10		Time of Concentration	64.631	100	0	100	64.631
Catchment Area (28)	S17		Time of Concentration	330.428	100	0	100	330.428
Catchment Area (29)	S16		Time of Concentration	150.124	100	0	100	150.124
Catchment Area (30)	S15		Time of Concentration	120.291	100	0	100	120.291
Catchment Area (31)	S14		Time of Concentration	100.777	100	0	100	100.777
Catchment Area (32)	S13		Time of Concentration	201.410	100	0	100	201.410

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AHunt								
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Type: Inflow Summary								
Storm Phase: SW								

Catchment Area (33)	S20		Time of Concentration	174.073	100	0	100	174.073
Catchment Area (34)	S12		Time of Concentration	65.945	100	0	100	65.945
Catchment Area (35)	S11		Time of Concentration	40.781	100	0	100	40.781
TOTAL		0.0		5086.333				5086.333

Project:	Date: 04/04/2024			
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Report Details:	Company Address:			
Type: Network Design Criteria Storm Phase: SW				

Flow Options

Peak Flow Calculation	(UK) Modified Rational Method
Min. Time of Entry (mins)	5
Max. Travel Time (mins)	30

FSR

Type: FSR

Return Period (years)	100.0
Region	England And Wales
M5-60 (mm)	19.2
Ratio R	0.350

Pipe Options

Lock Slope Options	Slopes and Invert Levels
Design Options	Minimise Excavation
Use Flow Restriction	☐
Reduce Channel Depths	☐

Pipe Size Library

Default

Add. Increment (mm)	75
Max. Diameter (mm)	0

Diameter (mm)	Min. Slope (1:X)	Max. Slope (1:X)
100	0.00	0.00
150	0.00	0.00

Project:	Date: 04/04/2024			
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Report Details: Type: Network Design Criteria Storm Phase: SW	Company Address:			

Manhole Options

Apply Offset	☐
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Manhole Size Library

Default

Diameter / Width

Connection (mm)	Diameter / Length (m)	Width (m)
0	1.200	0.000
375	1.350	0.000
500	1.500	0.000
750	1.800	0.000

Additional Sizing

Connection (mm)	900
Diameter / Length (m)	0.900
Width (m)	0.000

Depth

Depth (m)	Diameter / Length (m)	Width (m)
0.000	1.050	0.000
1.500	1.200	0.000

Access

Depth (m)	Ladder Protrusion (mm)
0.000	130
3.000	230

Benching Requirements

Landing Width (mm)	500
Benching Width (mm)	225

Project:	Date: 04/04/2024			
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Report Details:		Company Address:		
Type: Outfall Details				
Storm Phase: SW				

Outfalls

Outfall	Outfall Type	Fixed Surcharged Level (m)	Level Curve
Manhole	Free Discharge		

Project:	Date: 04/04/2024			
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Report Title: Rainfall Analysis Criteria	AHunt Company Address:			

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall	
FSR	Type: FSR
Region	England And Wales
M5-60 (mm)	19.2
Ratio R	0.350
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
100.0	40.000
1.0	0.000
30.0	0.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880

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FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (m²)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FSR: 100 years: +40 %: 15 mins: Winter	111.13	6.3	2.953
Catchment Area (1)	FSR: 100 years: +40 %: 15 mins: Winter	168.50	9.6	4.477
Catchment Area (2)	FSR: 100 years: +40 %: 15 mins: Winter	223.11	12.7	5.931
Catchment Area (3)	FSR: 100 years: +40 %: 15 mins: Winter	218.51	12.4	5.802
Catchment Area (4)	FSR: 100 years: +40 %: 15 mins: Winter	115.40	6.5	3.065
Catchment Area (5)	FSR: 100 years: +40 %: 15 mins: Winter	226.16	12.8	6.006
Catchment Area (6)	FSR: 100 years: +40 %: 15 mins: Winter	159.72	9.1	4.245
Catchment Area (7)	FSR: 100 years: +40 %: 15 mins: Winter	154.43	8.8	4.101
Catchment Area (8)	FSR: 100 years: +40 %: 15 mins: Winter	220.39	12.5	5.853
Catchment Area (9)	FSR: 100 years: +40 %: 15 mins: Winter	146.49	8.3	3.890
Catchment Area (10)	FSR: 100 years: +40 %: 15 mins: Winter	151.47	8.6	4.025
Catchment Area (11)	FSR: 100 years: +40 %: 15 mins: Winter	151.47	8.6	4.025
Catchment Area (12)	FSR: 100 years: +40 %: 15 mins: Winter	151.69	8.6	4.028
Catchment Area (13)	FSR: 100 years: +40 %: 15 mins: Winter	75.45	4.3	2.008
Catchment Area (14)	FSR: 100 years: +40 %: 15 mins: Winter	69.49	3.9	1.846

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Catchment Area (15)	FSR: 100 years: +40 %: 15 mins: Winter	82.71	4.7	2.198
Catchment Area (16)	FSR: 100 years: +40 %: 15 mins: Winter	76.12	4.3	2.026
Catchment Area (17)	FSR: 100 years: +40 %: 15 mins: Winter	80.92	4.6	2.150
Catchment Area (18)	FSR: 100 years: +40 %: 15 mins: Winter	85.47	4.8	2.270
Catchment Area (19)	FSR: 100 years: +40 %: 15 mins: Winter	173.62	9.8	4.612
Catchment Area (20)	FSR: 100 years: +40 %: 15 mins: Winter	331.04	18.8	8.794
Catchment Area (21)	FSR: 100 years: +40 %: 15 mins: Winter	286.79	16.3	7.620
Catchment Area (22)	FSR: 100 years: +40 %: 15 mins: Winter	91.74	5.2	2.439
Catchment Area (23)	FSR: 100 years: +40 %: 15 mins: Winter	51.87	2.9	1.379
Catchment Area (24)	FSR: 100 years: +40 %: 15 mins: Winter	77.89	4.4	2.068
Catchment Area (25)	FSR: 100 years: +40 %: 15 mins: Winter	84.32	4.8	2.240
Catchment Area (26)	FSR: 100 years: +40 %: 15 mins: Winter	71.96	4.1	1.912
Catchment Area (27)	FSR: 100 years: +40 %: 15 mins: Winter	64.63	3.7	1.719
Catchment Area (28)	FSR: 100 years: +40 %: 15 mins: Winter	330.43	18.7	8.776
Catchment Area (29)	FSR: 100 years: +40 %: 15 mins: Winter	150.12	8.5	3.989
Catchment Area (30)	FSR: 100 years: +40 %: 15 mins: Winter	120.29	6.8	3.197
Catchment Area (31)	FSR: 100 years: +40 %: 15 mins: Winter	100.78	5.7	2.680

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Catchment Area (32)	FSR: 100 years: +40 %: 15 mins: Winter	201.41	11.4	5.350
Catchment Area (33)	FSR: 100 years: +40 %: 15 mins: Winter	174.07	9.9	4.627
Catchment Area (34)	FSR: 100 years: +40 %: 15 mins: Winter	65.95	3.7	1.752
Catchment Area (35)	FSR: 100 years: +40 %: 15 mins: Winter	40.78	2.3	1.084

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FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (m²)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FSR: 1 years: +0 %: 15 mins: Winter	111.13	1.4	0.665
Catchment Area (1)	FSR: 1 years: +0 %: 15 mins: Winter	168.50	2.2	1.006
Catchment Area (2)	FSR: 1 years: +0 %: 15 mins: Winter	223.11	2.9	1.330
Catchment Area (3)	FSR: 1 years: +0 %: 15 mins: Winter	218.51	2.8	1.303
Catchment Area (4)	FSR: 1 years: +0 %: 15 mins: Winter	115.40	1.5	0.686
Catchment Area (5)	FSR: 1 years: +0 %: 15 mins: Winter	226.16	2.9	1.348
Catchment Area (6)	FSR: 1 years: +0 %: 15 mins: Winter	159.72	2.1	0.955
Catchment Area (7)	FSR: 1 years: +0 %: 15 mins: Winter	154.43	2.0	0.923
Catchment Area (8)	FSR: 1 years: +0 %: 15 mins: Winter	220.39	2.8	1.315
Catchment Area (9)	FSR: 1 years: +0 %: 15 mins: Winter	146.49	1.9	0.872
Catchment Area (10)	FSR: 1 years: +0 %: 15 mins: Winter	151.47	1.9	0.905
Catchment Area (11)	FSR: 1 years: +0 %: 15 mins: Winter	151.47	1.9	0.905
Catchment Area (12)	FSR: 1 years: +0 %: 15 mins: Winter	151.69	1.9	0.905
Catchment Area (13)	FSR: 1 years: +0 %: 15 mins: Winter	75.45	1.0	0.449
Catchment Area (14)	FSR: 1 years: +0 %: 15 mins: Winter	69.49	0.9	0.413
Catchment Area (15)	FSR: 1 years: +0 %: 15 mins: Winter	82.71	1.1	0.494
Catchment Area (16)	FSR: 1 years: +0 %: 15 mins: Winter	76.12	1.0	0.449
Catchment Area (17)	FSR: 1 years: +0 %: 15 mins: Winter	80.92	1.0	0.482
Catchment Area (18)	FSR: 1 years: +0 %: 15 mins: Winter	85.47	1.1	0.512
Catchment Area (19)	FSR: 1 years: +0 %: 15 mins: Winter	173.62	2.2	1.030

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: SW		Company Address:	



Catchment Area (20)	FSR: 1 years: +0 %: 15 mins: Winter	331.04	4.2	1.971
Catchment Area (21)	FSR: 1 years: +0 %: 15 mins: Winter	286.79	3.7	1.710
Catchment Area (22)	FSR: 1 years: +0 %: 15 mins: Winter	91.74	1.2	0.548
Catchment Area (23)	FSR: 1 years: +0 %: 15 mins: Winter	51.87	0.7	0.309
Catchment Area (24)	FSR: 1 years: +0 %: 15 mins: Winter	77.89	1.0	0.464
Catchment Area (25)	FSR: 1 years: +0 %: 15 mins: Winter	84.32	1.1	0.500
Catchment Area (26)	FSR: 1 years: +0 %: 15 mins: Winter	71.96	0.9	0.428
Catchment Area (27)	FSR: 1 years: +0 %: 15 mins: Winter	64.63	0.8	0.383
Catchment Area (28)	FSR: 1 years: +0 %: 15 mins: Winter	330.43	4.2	1.968
Catchment Area (29)	FSR: 1 years: +0 %: 15 mins: Winter	150.12	1.9	0.893
Catchment Area (30)	FSR: 1 years: +0 %: 15 mins: Winter	120.29	1.5	0.719
Catchment Area (31)	FSR: 1 years: +0 %: 15 mins: Winter	100.78	1.3	0.599
Catchment Area (32)	FSR: 1 years: +0 %: 15 mins: Winter	201.41	2.6	1.198
Catchment Area (33)	FSR: 1 years: +0 %: 15 mins: Winter	174.07	2.2	1.039
Catchment Area (34)	FSR: 1 years: +0 %: 15 mins: Winter	65.95	0.8	0.392
Catchment Area (35)	FSR: 1 years: +0 %: 15 mins: Winter	40.78	0.5	0.243

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: SW	Company Address:		



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (m²)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FSR: 30 years: +0 %: 15 mins: Winter	111.13	3.5	1.624
Catchment Area (1)	FSR: 30 years: +0 %: 15 mins: Winter	168.50	5.3	2.463
Catchment Area (2)	FSR: 30 years: +0 %: 15 mins: Winter	223.11	7.0	3.257
Catchment Area (3)	FSR: 30 years: +0 %: 15 mins: Winter	218.51	6.9	3.188
Catchment Area (4)	FSR: 30 years: +0 %: 15 mins: Winter	115.40	3.6	1.681
Catchment Area (5)	FSR: 30 years: +0 %: 15 mins: Winter	226.16	7.1	3.302
Catchment Area (6)	FSR: 30 years: +0 %: 15 mins: Winter	159.72	5.0	2.331
Catchment Area (7)	FSR: 30 years: +0 %: 15 mins: Winter	154.43	4.9	2.256
Catchment Area (8)	FSR: 30 years: +0 %: 15 mins: Winter	220.39	6.9	3.218
Catchment Area (9)	FSR: 30 years: +0 %: 15 mins: Winter	146.49	4.6	2.139
Catchment Area (10)	FSR: 30 years: +0 %: 15 mins: Winter	151.47	4.8	2.211
Catchment Area (11)	FSR: 30 years: +0 %: 15 mins: Winter	151.47	4.8	2.211
Catchment Area (12)	FSR: 30 years: +0 %: 15 mins: Winter	151.69	4.8	2.211
Catchment Area (13)	FSR: 30 years: +0 %: 15 mins: Winter	75.45	2.4	1.100
Catchment Area (14)	FSR: 30 years: +0 %: 15 mins: Winter	69.49	2.2	1.013

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: SW		Company Address:	



Catchment Area (15)	FSR: 30 years: +0 %: 15 mins: Winter	82.71	2.6	1.211
Catchment Area (16)	FSR: 30 years: +0 %: 15 mins: Winter	76.12	2.4	1.112
Catchment Area (17)	FSR: 30 years: +0 %: 15 mins: Winter	80.92	2.5	1.181
Catchment Area (18)	FSR: 30 years: +0 %: 15 mins: Winter	85.47	2.7	1.249
Catchment Area (19)	FSR: 30 years: +0 %: 15 mins: Winter	173.62	5.5	2.535
Catchment Area (20)	FSR: 30 years: +0 %: 15 mins: Winter	331.04	10.4	4.830
Catchment Area (21)	FSR: 30 years: +0 %: 15 mins: Winter	286.79	9.0	4.189
Catchment Area (22)	FSR: 30 years: +0 %: 15 mins: Winter	91.74	2.9	1.339
Catchment Area (23)	FSR: 30 years: +0 %: 15 mins: Winter	51.87	1.6	0.755
Catchment Area (24)	FSR: 30 years: +0 %: 15 mins: Winter	77.89	2.5	1.136
Catchment Area (25)	FSR: 30 years: +0 %: 15 mins: Winter	84.32	2.7	1.231
Catchment Area (26)	FSR: 30 years: +0 %: 15 mins: Winter	71.96	2.3	1.049
Catchment Area (27)	FSR: 30 years: +0 %: 15 mins: Winter	64.63	2.0	0.944
Catchment Area (28)	FSR: 30 years: +0 %: 15 mins: Winter	330.43	10.4	4.824
Catchment Area (29)	FSR: 30 years: +0 %: 15 mins: Winter	150.12	4.7	2.190
Catchment Area (30)	FSR: 30 years: +0 %: 15 mins: Winter	120.29	3.8	1.759
Catchment Area (31)	FSR: 30 years: +0 %: 15 mins: Winter	100.78	3.2	1.471

Project:	Date: 04/04/2024			
	Designed by: AHunt	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Inflows Summary Storm Phase: SW				

Catchment Area (32)	FSR: 30 years: +0 %: 15 mins: Winter	201.41	6.3	2.942
Catchment Area (33)	FSR: 30 years: +0 %: 15 mins: Winter	174.07	5.5	2.538
Catchment Area (34)	FSR: 30 years: +0 %: 15 mins: Winter	65.95	2.1	0.962
Catchment Area (35)	FSR: 30 years: +0 %: 15 mins: Winter	40.78	1.3	0.596

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW	Company Address:		





FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S11	FSR: 100 years: +40 %: 15 mins: Winter	8.513	7.500	7.654	0.154	8.9	0.175	0.000	7.3	4.165	Surcharged
S4	FSR: 100 years: +40 %: 15 mins: Winter	8.539	7.200	7.804	0.604	34.6	0.683	0.000	27.9	16.280	Surcharged
S12	FSR: 100 years: +40 %: 15 mins: Winter	8.454	7.250	7.368	0.118	19.8	0.134	0.000	19.8	10.028	OK
S20	FSR: 100 years: +40 %: 15 mins: Winter	8.350	7.000	7.165	0.165	38.0	0.187	0.000	29.0	18.619	OK
S5	FSR: 100 years: +40 %: 15 mins: Winter	8.300	6.600	7.030	0.430	69.6	0.487	0.000	63.3	36.055	Surcharged
S13	FSR: 100 years: +40 %: 15 mins: Winter	8.149	6.750	7.111	0.361	52.9	0.408	0.000	50.7	29.835	Surcharged
S6	FSR: 100 years: +40 %: 15 mins: Winter	8.024	6.350	6.658	0.308	89.9	0.348	0.000	76.7	47.653	Surcharged
S14	FSR: 100 years: +40 %: 15 mins: Winter	7.919	6.600	6.943	0.343	65.0	0.388	0.000	63.8	36.549	Surcharged
S19	FSR: 100 years: +40 %: 15 mins: Winter	7.768	6.150	6.556	0.406	79.6	0.459	0.000	74.8	51.725	Surcharged
S7	FSR: 100 years: +40 %: 15 mins: Winter	7.612	6.050	6.492	0.442	89.1	0.499	0.000	86.1	56.042	Surcharged
S15	FSR: 100 years: +40 %: 15 mins: Summer	7.500	6.250	6.436	0.186	75.1	0.210	0.000	76.3	38.963	OK
S8	FSR: 100 years: +40 %: 15 mins: Winter	7.345	5.800	6.324	0.524	100.3	0.592	0.000	95.4	62.641	Surcharged
S16	FSR: 100 years: +40 %: 15 mins: Winter	7.150	5.900	6.342	0.442	91.7	0.500	0.000	80.9	51.953	Surcharged
S9	FSR: 100 years: +40 %: 15 mins: Winter	7.139	5.600	6.123	0.523	108.5	0.591	0.000	104.4	68.821	Surcharged
S10	FSR: 100 years: +40 %: 15 mins: Winter	7.009	5.400	5.937	0.537	208.8	0.769	0.000	202.7	135.087	Surcharged
S17	FSR: 100 years: +40 %: 15 mins: Winter	6.959	5.600	6.144	0.544	103.9	0.615	0.000	96.9	62.699	Surcharged
Manhole	FSR: 100 years: +40 %: 240 mins: Winter	5.500	4.600	4.636	0.036	5.2	0.000	0.000	5.2	113.160	OK

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW	Company Address:		





FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S11	FSR: 1 years: +0 %: 15 mins: Winter	8.513	7.500	7.536	0.036	2.0	0.041	0.000	1.9	0.926	OK
S4	FSR: 1 years: +0 %: 15 mins: Winter	8.539	7.200	7.257	0.057	7.8	0.064	0.000	7.6	3.641	OK
S12	FSR: 1 years: +0 %: 15 mins: Winter	8.454	7.250	7.296	0.046	4.7	0.053	0.000	4.5	2.236	OK
S20	FSR: 1 years: +0 %: 15 mins: Winter	8.350	7.000	7.054	0.054	8.6	0.061	0.000	8.3	4.142	OK
S5	FSR: 1 years: +0 %: 15 mins: Winter	8.300	6.600	6.688	0.088	17.0	0.099	0.000	16.2	8.018	OK
S13	FSR: 1 years: +0 %: 15 mins: Winter	8.149	6.750	6.831	0.081	13.7	0.091	0.000	13.2	6.646	OK
S6	FSR: 1 years: +0 %: 15 mins: Winter	8.024	6.350	6.440	0.090	22.2	0.102	0.000	21.4	10.814	OK
S14	FSR: 1 years: +0 %: 15 mins: Winter	7.919	6.600	6.683	0.083	16.4	0.094	0.000	15.7	8.134	OK
S19	FSR: 1 years: +0 %: 15 mins: Winter	7.768	6.150	6.248	0.098	22.1	0.111	0.000	21.3	11.105	OK
S7	FSR: 1 years: +0 %: 15 mins: Winter	7.612	6.050	6.146	0.096	24.6	0.108	0.000	23.7	12.581	OK
S15	FSR: 1 years: +0 %: 15 mins: Winter	7.500	6.250	6.332	0.082	19.2	0.093	0.000	18.1	9.730	OK
S8	FSR: 1 years: +0 %: 15 mins: Winter	7.345	5.800	5.905	0.105	26.9	0.118	0.000	25.6	14.051	OK
S16	FSR: 1 years: +0 %: 15 mins: Winter	7.150	5.900	5.988	0.088	21.9	0.100	0.000	20.6	11.494	OK
S9	FSR: 1 years: +0 %: 15 mins: Winter	7.139	5.600	5.702	0.102	28.6	0.115	0.000	27.5	15.398	OK
S10	FSR: 1 years: +0 %: 15 mins: Winter	7.009	5.400	5.555	0.155	53.7	0.222	0.000	48.9	29.991	OK
S17	FSR: 1 years: +0 %: 15 mins: Winter	6.959	5.600	5.696	0.096	25.8	0.109	0.000	24.5	13.883	OK
Manhole	FSR: 1 years: +0 %: 1440 mins: Winter	5.500	4.600	4.620	0.020	1.5	0.000	0.000	1.5	57.797	OK

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW	Company Address:		



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S11	FSR: 30 years: +0 %: 15 mins: Winter	8.513	7.500	7.561	0.061	4.9	0.069	0.000	4.7	2.274	OK
S4	FSR: 30 years: +0 %: 15 mins: Winter	8.539	7.200	7.298	0.098	19.2	0.110	0.000	18.7	8.917	OK
S12	FSR: 30 years: +0 %: 15 mins: Winter	8.454	7.250	7.329	0.079	11.6	0.089	0.000	11.2	5.485	OK
S20	FSR: 30 years: +0 %: 15 mins: Winter	8.350	7.000	7.092	0.092	21.3	0.104	0.000	20.6	10.155	OK
S5	FSR: 30 years: +0 %: 15 mins: Winter	8.300	6.600	6.758	0.158	41.8	0.179	0.000	40.4	19.648	OK
S13	FSR: 30 years: +0 %: 15 mins: Winter	8.149	6.750	6.893	0.143	33.9	0.162	0.000	32.7	16.304	OK
S6	FSR: 30 years: +0 %: 15 mins: Winter	8.024	6.350	6.507	0.157	55.2	0.177	0.000	53.5	26.491	OK
S14	FSR: 30 years: +0 %: 15 mins: Winter	7.919	6.600	6.746	0.146	40.6	0.165	0.000	39.0	19.965	OK
S19	FSR: 30 years: +0 %: 15 mins: Winter	7.768	6.150	6.323	0.173	55.2	0.195	0.000	53.5	27.220	OK
S7	FSR: 30 years: +0 %: 15 mins: Winter	7.612	6.050	6.218	0.168	61.4	0.190	0.000	59.5	30.866	OK
S15	FSR: 30 years: +0 %: 15 mins: Winter	7.500	6.250	6.388	0.138	47.6	0.156	0.000	45.5	23.899	OK
S8	FSR: 30 years: +0 %: 15 mins: Winter	7.345	5.800	5.986	0.186	67.4	0.210	0.000	64.6	34.493	OK
S16	FSR: 30 years: +0 %: 15 mins: Winter	7.150	5.900	6.052	0.152	55.0	0.172	0.000	52.1	28.258	OK
S9	FSR: 30 years: +0 %: 15 mins: Winter	7.139	5.600	5.784	0.184	71.8	0.209	0.000	69.3	37.829	OK
S10	FSR: 30 years: +0 %: 15 mins: Winter	7.009	5.400	5.686	0.286	135.2	0.409	0.000	126.0	73.828	OK
S17	FSR: 30 years: +0 %: 15 mins: Winter	6.959	5.600	5.775	0.175	64.9	0.198	0.000	61.6	34.141	OK
Manhole	FSR: 30 years: +0 %: 960 mins: Winter	5.500	4.600	4.635	0.035	4.9	0.000	0.000	4.9	176.523	OK

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: SW	Company Address:		





FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By:
Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Cellular Storage	FSR: 100 years: +40 %: 960 mins: Winter	5.653	5.653	0.853	0.853	21.0	324.028	0.000	0.000	5.2	378.106	557	5.559

Project:	Date: 04/04/2024			
	Designed by:	Checked by:	Approved By:	
	AHunt			
Report Details:	Company Address:			
Type: Stormwater Controls Summary				
Storm Phase: SW				

Status
OK

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: SW	Company Address:		





FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max.
Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Cellular Storage	FSR: 1 years: +0 %: 1440 mins: Winter	5.098	5.098	0.298	0.298	4.3	113.147	0.000	0.000	1.5	57.801	1263	67.022

Project:	Date: 04/04/2024			
	Designed by:	Checked by:	Approved By:	
	AHunt			
Report Details: Type: Stormwater Controls Summary Storm Phase: SW	Company Address:			

Status

OK

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: SW	Company Address:		





FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max.
Avg. Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Cellular Storage	FSR: 30 years: +0 %: 960 mins: Winter	5.254	5.254	0.454	0.454	11.8	172.531	0.000	0.000	4.9	176.530	600	49.714

Project:	Date: 04/04/2024			
	Designed by:	Checked by:	Approved By:	
	AHunt			
Report Details:	Company Address:			
Type: Stormwater Controls Summary				
Storm Phase: SW				

Status
OK

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: SW	Company Address:		





FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe003	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S4	S5	8.539	7.804	0.150	16.280	1.6	1.12	27.9	Surcharged
Pipe004	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	S5	S6	8.300	6.969	0.225	31.897	1.6	1.16	63.6	Surcharged
Pipe006	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S7	S8	7.612	6.492	0.300	55.936	1.2	0.73	86.1	Surcharged
Pipe007	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S8	S9	7.345	6.324	0.300	62.641	1.3	0.87	95.4	Surcharged
Pipe008	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S9	S10	7.139	6.123	0.300	68.821	1.5	0.8	104.4	Surcharged
Pipe009	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S11	S12	8.513	7.654	0.100	4.165	0.9	1.05	7.3	Surcharged
Pipe011	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	S13	S14	8.149	7.075	0.225	26.521	1.3	0.96	51.6	Surcharged
Pipe012	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S14	S15	7.919	6.943	0.225	36.549	1.6	1.1	63.8	Surcharged
Pipe013	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	S15	S16	7.500	6.436	0.237	38.963	1.3	0.66	76.3	OK
Pipe014	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S16	S17	7.150	6.342	0.300	51.953	1.1	0.69	80.9	Surcharged
Pipe015	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S17	S10	6.959	6.144	0.300	62.699	1.4	0.85	96.9	Surcharged
Pipe017	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	S6	S19	8.024	6.576	0.265	42.680	1.3	0.73	89.0	OK
Pipe018	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S19	S7	7.768	6.556	0.300	51.619	1.1	0.67	74.8	Surcharged
Pipe019	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S12	S20	8.454	7.368	0.142	10.028	1.1	0.89	19.8	OK

Project:					Date: 04/04/2024					I DRN				
					Designed by:		Checked by:		Approved By:					
					AHunt									
Report Details: Type: Connections Summary Storm Phase: SW					Company Address:									
Pipe020	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	S20	S13	8.350	7.117	0.221	16.522	0.9	0.52	34.1	OK		
Pipe (1)	FSR: 100 years: +40 %: 240 mins: Winter	Pipe	Cellular Storage	Manhole	6.800	5.595	0.036	113.160	0.9	0.02	5.2	Surcharged		
Pipe	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	S10	Cellular Storage	7.009	5.937	0.375	135.087	1.8	1.28	202.7	Surcharged		

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: SW	Company Address:		





FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S4	S5	8.539	7.257	0.072	3.641	0.9	0.3	7.6	OK
Pipe004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S5	S6	8.300	6.688	0.089	8.018	1.1	0.3	16.2	OK
Pipe006	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S7	S8	7.612	6.146	0.100	12.581	1.1	0.2	23.7	OK
Pipe007	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S8	S9	7.345	5.905	0.103	14.051	1.2	0.23	25.6	OK
Pipe008	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S9	S10	7.139	5.702	0.128	15.398	1.0	0.21	27.5	OK
Pipe009	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S11	S12	8.513	7.536	0.041	0.926	0.6	0.27	1.9	OK
Pipe011	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S13	S14	8.149	6.831	0.082	6.646	1.0	0.24	13.2	OK
Pipe012	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S14	S15	7.919	6.683	0.083	8.134	1.2	0.27	15.7	OK
Pipe013	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S15	S16	7.500	6.332	0.085	9.730	1.1	0.16	18.1	OK
Pipe014	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S16	S17	7.150	5.988	0.092	11.494	1.1	0.18	20.6	OK
Pipe015	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S17	S10	6.959	5.696	0.126	13.883	0.9	0.21	24.5	OK
Pipe017	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S6	S19	8.024	6.440	0.094	10.814	1.1	0.18	21.4	OK
Pipe018	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S19	S7	7.768	6.248	0.097	11.105	1.1	0.19	21.3	OK
Pipe019	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S12	S20	8.454	7.296	0.050	2.236	0.9	0.2	4.5	OK
Pipe020	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S20	S13	8.350	7.054	0.067	4.142	0.8	0.13	8.3	OK
Pipe (1)	FSR: 1 years: +0 %: 1440 mins: Winter	Pipe	Cellular Storage	Manhole	6.800	5.098	0.020	57.797	0.6	0.01	1.5	OK
Pipe	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	S10	Cellular Storage	7.009	5.555	0.149	29.991	1.2	0.31	48.9	OK

Project:	Date: 04/04/2024		
	Designed by: AHunt	Checked by:	Approved By:
Report Details: Type: Connections Summary Storm Phase: SW	Company Address:		





FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S4	S5	8.539	7.298	0.128	8.917	1.2	0.75	18.7	OK
Pipe004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S5	S6	8.300	6.758	0.158	19.648	1.4	0.74	40.4	OK
Pipe006	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S7	S8	7.612	6.218	0.177	30.866	1.4	0.5	59.5	OK
Pipe007	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S8	S9	7.345	5.986	0.185	34.493	1.4	0.59	64.6	OK
Pipe008	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S9	S10	7.139	5.784	0.235	37.829	1.2	0.53	69.3	OK
Pipe009	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S11	S12	8.513	7.561	0.070	2.274	0.8	0.68	4.7	OK
Pipe011	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S13	S14	8.149	6.893	0.144	16.304	1.2	0.61	32.7	OK
Pipe012	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S14	S15	7.919	6.746	0.142	19.965	1.5	0.68	39.0	OK
Pipe013	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S15	S16	7.500	6.388	0.145	23.899	1.3	0.39	45.5	OK
Pipe014	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S16	S17	7.150	6.052	0.164	28.258	1.3	0.45	52.1	OK
Pipe015	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S17	S10	6.959	5.775	0.230	34.141	1.1	0.54	61.6	OK
Pipe017	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S6	S19	8.024	6.507	0.165	26.491	1.3	0.44	53.5	OK
Pipe018	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S19	S7	7.768	6.323	0.170	27.220	1.3	0.48	53.5	OK
Pipe019	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S12	S20	8.454	7.329	0.086	5.485	1.1	0.5	11.2	OK

Project:	Date: 04/04/2024			
	Designed by: AHunt	Checked by:	Approved By:	
Report Details: Type: Connections Summary Storm Phase: SW	Company Address:			

Pipe020	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S20	S13	8.350	7.092	0.117	10.155	1.0	0.31	20.6	OK
Pipe (1)	FSR: 30 years: +0 %: 960 mins: Winter	Pipe	Cellular Storage	Manhole	6.800	5.254	0.035	176.523	0.9	0.02	4.9	OK
Pipe	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	S10	Cellular Storage	7.009	5.686	0.269	73.828	1.5	0.8	126.0	OK

Project:	Date: 04/04/2024			
	Designed by: AHunt	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Phase Management Storm Phase: SW				

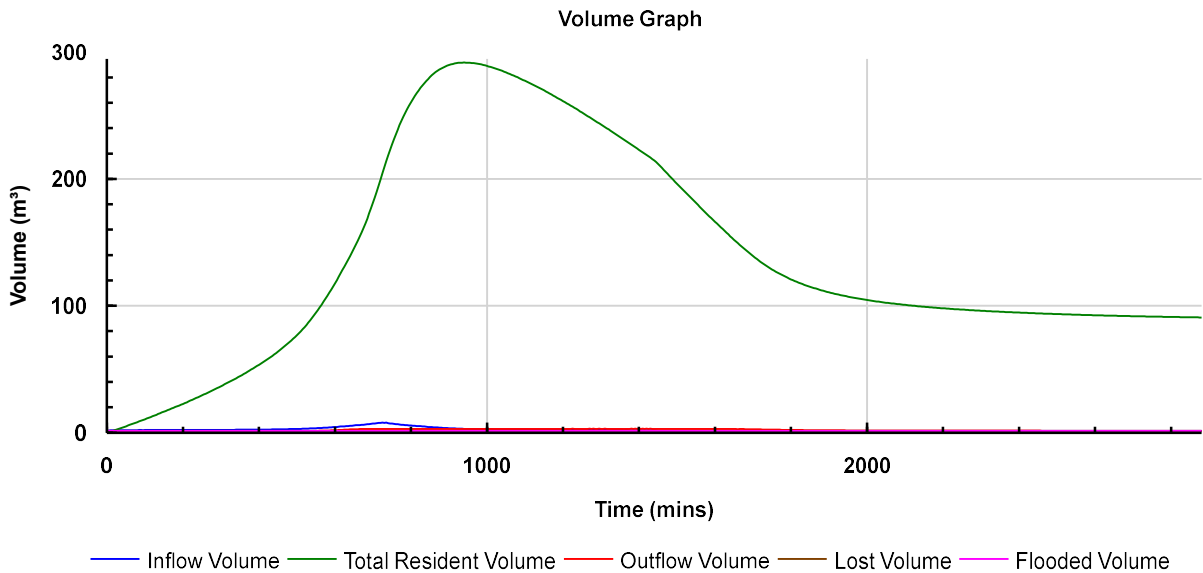
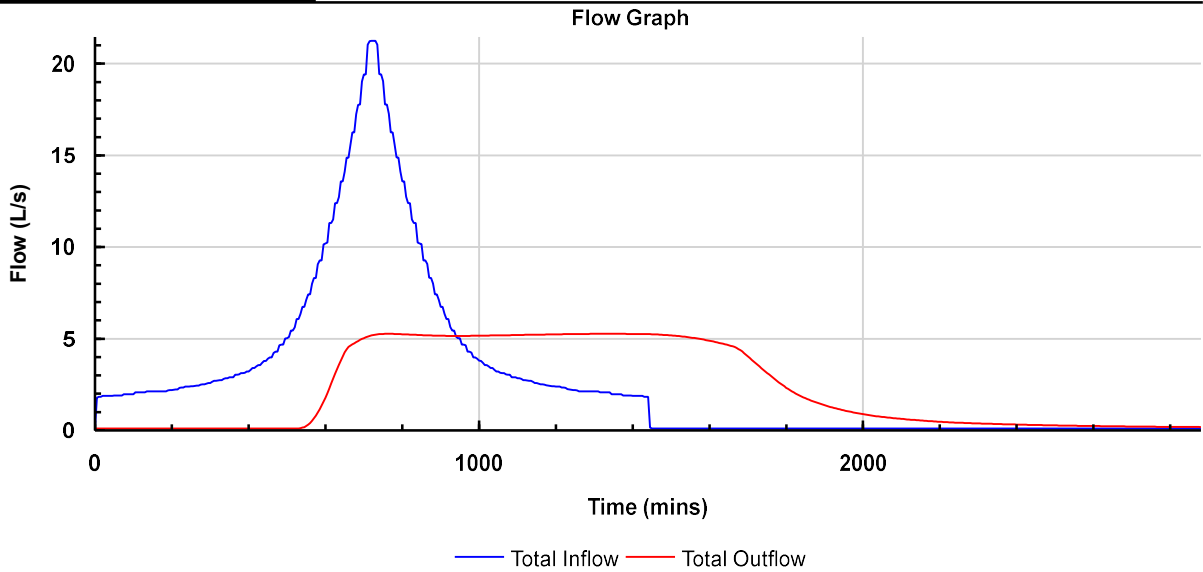


SW
FSR: 100 years: Increase Rainfall (%): +40: 1440 mins: Summer

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Manhole			5.2	377.120
TOTAL	21.2	468.165	5.2	377.120

Graphs



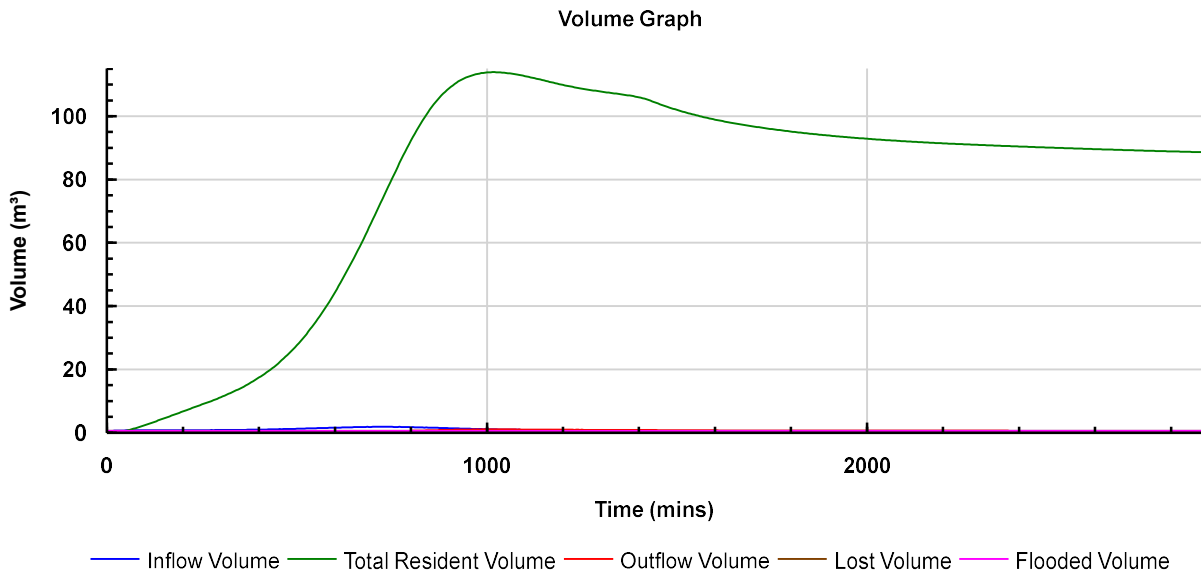
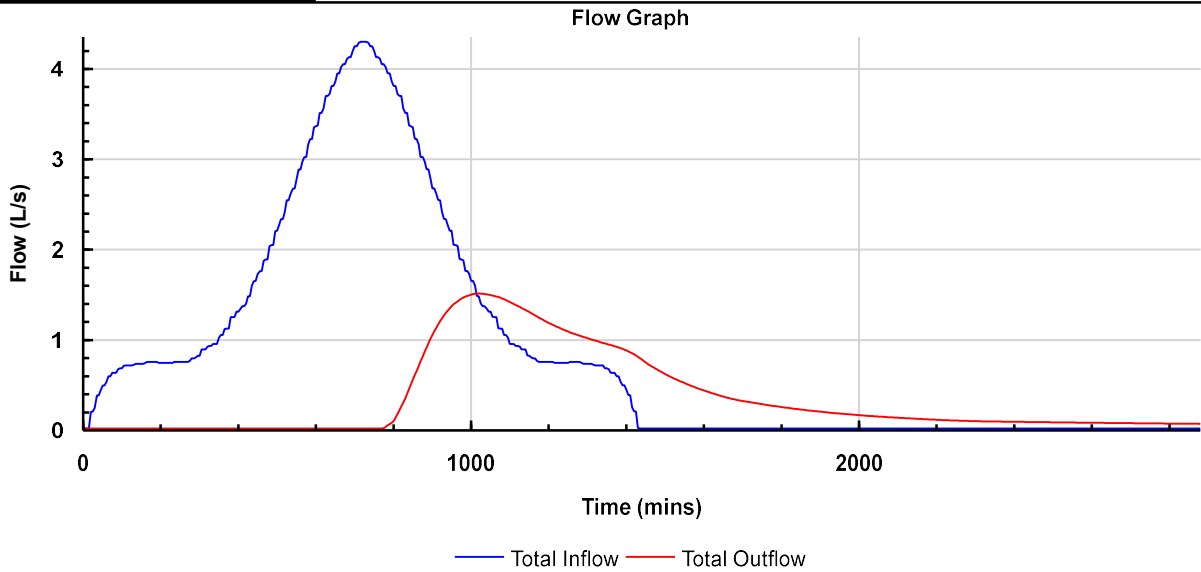
Project:	Date: 04/04/2024			
	Designed by: AHunt	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Phase Management Storm Phase: SW				

 **SW**
FSR: 1 years: Increase Rainfall (%): +0: 1440 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Manhole			1.5	57.797
TOTAL	4.3	146.430	1.5	57.797

Graphs



Project:	Date: 04/04/2024			
	Designed by: AHunt	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Phase Management Storm Phase: SW				



SW
FSR: 30 years: Increase Rainfall (%): +0: 960 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Manhole			4.9	176.523
TOTAL	11.8	268.475	4.9	176.523

Graphs

