

SUBJECT

PROJECT	DATE	BY	REFERENCE
5015560 – One Horton heath- Lower Acre	03/05/2023	BT	5015560 - TN-0001
TITLE	REV		
Outstanding Condition 16 queries			

CONDITION 16

- J) Confirmation that the SuDS infrastructure is in place or will be in place prior to the development of the related plot.
- A. SuDS maintenance and management trains are being used to their full potential, including SuDS Ponds on Tier 1, work will be undertaken during Phase 1 work. Permeable paving and Bio retention is included throughout the development area and will be constructed as per design and completed in phases. Layout designs will include for rainwater gardens, swales and water butts.**
- K) Confirmation that sufficient water quality measures have been included to satisfy the methodology in the CIRIA SuDS Manual C753.
- A. Water treatment quality is incorporated in line with CIRIA SuDS Manual C753. Section 26 of CIRIA C753 has been fully implemented to evaluate and safeguard water quality via best management practice methodology. Water quality treatment measures are included within the SuDS permeable paving, bio retention and ponds. Ponds are implemented as final polishing elements downstream of components that deliver both sediment removal and further treatment (e.g., permeable paving, swales and bioretention systems).**
- L) Sustainable drainage elements with attenuation, storage and treatment capacities incorporated as set out in the CIRIA SuDS Manual C697, CIRIA SuDS Manual C753, or equivalent and updated local or national design guidance where available. If SuDS are proposed as part of the open space provision on a site, gradient should not exceed 1:4;
- A. SuDS Manual C753 together with updated National design guidance will result in SuDS site gradients not exceeding 1 in 4. Exceedance flow paths are fully accommodated. Attenuation storage has been designed using Infodrainage Software for ponds, bio retention and permeable paving provisions. The detailed results of the attenuation storage including ponds, bio retention and permeable paving is provided within Appendix A of this report.**

5015560: One Horton Heath		Date: 29/09/2022			
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Report Details: Type: Manhole Schedule Storm Phase: Main Surface Water		Ridge:			

Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW8	28.179 26.679	Diameter / Length: 1.200					Manhole - Access not Required
E:449042.923 N:116194.848	1.500						
			{a} SW3.000 (1)	Pipe	26.679	Diam/Width:375	Not Applicable
SW119	27.936 26.636	Diameter / Length: 1.200					Manhole - Access not Required
E:449009.030 N:116164.357	1.300						
			{a} SW78.000	Pipe	26.636	Diam/Width:225	Not Applicable
SW10	27.557 25.957	Diameter / Length: 1.200	{1} SW4.000 (1)	Pipe	25.957	Diam/Width:150	Manhole - Access not Required
E:449013.326 N:116194.234	1.600						
			{a} SW4.001	Pipe	25.957	Diam/Width:300	Not Applicable
SW9	27.504 25.754	Diameter / Length: 2.500	{1} SW3.000 (1)	Pipe	25.754	Diam/Width:375	Manhole - Access not Required
E:449020.943 N:116207.484	1.750		{2} SW4.001	Pipe	25.754	Diam/Width:300	
			{3} SW5.000 (1)	Pipe	25.754	Diam/Width:150	
			{a} SW3.001	Pipe	25.754	Diam/Width:375	Not Applicable
			{b} SW6.000	Pipe	26.955	Diam/Width:150	

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			Outgoing Connections				Cover
SW121	26.931 25.631	Diameter / Length: 1.200					Manhole - Access not Required
E:448981.509	1.300						
N:116118.823							
			{a} SW79.000	Pipe	25.631	Diam/Width:225	Not Applicable
SW127	24.308 22.815	Diameter / Length: 1.200	{1} SW77.003	Pipe	22.815	Diam/Width:450	Manhole - Access not Required
E:448913.877	1.493		{2} SW81.001	Pipe	22.815	Diam/Width:225	
N:116153.749							
			{a} SW77.004	Pipe	22.815	Diam/Width:525	Not Applicable
SW122	26.664 25.364	Diameter / Length: 1.200					Manhole - Access not Required
E:448931.567	1.300						
N:116084.361							
			{a} SW80.000	Pipe	25.364	Diam/Width:300	Not Applicable
SW123	26.208 24.908	Diameter / Length: 1.200	{1} SW80.000	Pipe	24.908	Diam/Width:300	Manhole - Access not Required
E:448926.368	1.300						
N:116102.938							
			{a} SW80.001	Pipe	24.908	Diam/Width:300	Not Applicable
SW124	25.983 24.633	Diameter / Length: 1.200	{1} SW80.001	Pipe	24.633	Diam/Width:300	Manhole - Access not Required
E:448926.798	1.350						
N:116114.740							
			{a} SW80.002	Pipe	24.633	Diam/Width:300	Not Applicable

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			Outgoing Connections				Cover
SW125	25.821 24.420	Diameter / Length: 1.200	{1} SW80.002	Pipe	24.420	Diam/Width:300	Manhole - Access not Required
E:448929.718	1.402						
N:116124.345			{a} SW80.003	Pipe	24.420	Diam/Width:300	Not Applicable
SW128	25.093 23.643	Diameter / Length: 1.200					Manhole - Access not Required
E:448935.709	1.450						
N:116199.888			{a} SW81.000	Pipe	23.643	Diam/Width:225	Not Applicable
SW11	26.573 25.223	Diameter / Length: 1.200	{1} SW3.001	Pipe	25.223	Diam/Width:375	Manhole - Access not Required
E:448987.942	1.350		{2} SW6.000	Pipe	25.900	Diam/Width:150	
N:116226.457			{a} SW3.002	Pipe	25.223	Diam/Width:375	Not Applicable
SW117	26.527 25.227	Diameter / Length: 1.200					Manhole - Access not Required
E:448985.479	1.300						
N:116222.172			{a} SW77.000	Pipe	25.227	Diam/Width:225	Not Applicable
SW12	26.264 24.881	Diameter / Length: 1.200	{1} SW3.002	Pipe	24.881	Diam/Width:375	Manhole - Access not Required
E:448995.924	1.383						
N:116240.341			{a} SW3.003	Pipe	24.881	Diam/Width:375	Not Applicable

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			Outgoing Connections				Cover
SW118	26.163 24.813	Diameter / Length: 1.200	{1} SW77.000	Pipe	24.813	Diam/Width:225	Manhole - Access not Required
E:448966.351 N:116188.902	1.350		{2} SW78.000	Pipe	24.863	Diam/Width:225	
			{a} SW77.001	Pipe	24.813	Diam/Width:300	Not Applicable
SW13	26.109 24.754	Diameter / Length: 1.200	{1} SW3.003	Pipe	24.754	Diam/Width:375	Manhole - Access not Required
E:448996.673 N:116246.108	1.355						
			{a} SW3.004	Pipe	24.754	Diam/Width:375	Not Applicable
SW17	26.026 23.926	Diameter / Length: 1.200	{1} SW7.001	Pipe	24.250	Diam/Width:300	Manhole - Access not Required
E:449071.538 N:116241.402	2.100						
			{a} SW7.002	Pipe	23.926	Diam/Width:375	Not Applicable
SW16	26.012 24.632	Diameter / Length: 1.200	{1} SW7.000	Pipe	24.632	Diam/Width:150	Manhole - Access not Required
E:449077.674 N:116252.062	1.380						
			{a} SW7.001	Pipe	24.632	Diam/Width:300	Not Applicable
SW14	25.943 24.593	Diameter / Length: 1.200	{1} SW3.004	Pipe	24.593	Diam/Width:375	Manhole - Access not Required
E:448992.771 N:116251.037	1.350						
			{a} SW3.005	Pipe	24.593	Diam/Width:375	Not Applicable

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			Outgoing Connections				Cover
SW18	25.806 23.806	Diameter / Length: 2.100	{1} SW7.002	Pipe	23.806	Diam/Width:375	Manhole - Access not Required
E:449056.618	2.000		{2} SW8.001	Pipe	24.000	Diam/Width:300	
N:116249.979			{3} SW9.000	Pipe	23.806	Diam/Width:150	
			{a} SW7.003	Pipe	23.806	Diam/Width:375	Not Applicable
SW19	25.757 24.257	Diameter / Length: 1.200	{1} SW8.000	Pipe	24.257	Diam/Width:150	Manhole - Access not Required
E:449062.816	1.500						
N:116260.759			{a} SW8.001	Pipe	24.257	Diam/Width:300	Not Applicable
SW20	25.463 23.680	Diameter / Length: 1.200	{1} SW7.003	Pipe	23.680	Diam/Width:375	Manhole - Access not Required
E:449033.460	1.783						
N:116266.413			{a} SW7.004	Pipe	23.680	Diam/Width:375	Not Applicable
SW2	25.377 24.751	Diameter / Length: 1.200	{1} SW1.000	Pipe	24.751	Diam/Width:225	Manhole - Access not Required
E:449141.107	0.626						
N:116345.776			{a} SW1.001	Pipe	24.751	Diam/Width:225	Not Applicable

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			Outgoing Connections				Cover
SW1	25.232 24.878	Diameter / Length: 1.200					Manhole - Access not Required
E:449131.816 N:116327.692	0.354						
			{a} SW1.000	Pipe	24.878	Diam/Width:225	Not Applicable
SW120	25.227 23.802	Diameter / Length: 1.200	{1} SW77.001	Pipe	23.802	Diam/Width:300	Manhole - Access not Required
E:448939.836 N:116142.782	1.425		{2} SW79.000	Pipe	23.877	Diam/Width:225	
			{3} SW80.003	Pipe	23.877	Diam/Width:300	
			{a} SW77.002	Pipe	23.802	Diam/Width:450	Not Applicable
SW110	25.212 23.941	Diameter / Length: 1.200					Manhole - Access not Required
E:448953.713 N:116237.146	1.271						
			{a} SW63.000	Pipe	23.941	Diam/Width:225	Not Applicable
SW15	25.153 23.358	Diameter / Length: 1.200	{1} SW3.005	Pipe	23.358	Diam/Width:375	Manhole - Access not Required
E:449010.814 N:116279.437	1.795		{2} SW7.004	Pipe	23.564	Diam/Width:375	
			{3} SW10.000	Pipe	23.358	Diam/Width:150	
			{a} SW3.006	Pipe	23.358	Diam/Width:450	Not Applicable

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			Outgoing Connections				Cover
SW111	25.096 23.546	Diameter / Length: 1.200	{1} SW63.000	Pipe	23.546	Diam/Width:225	Manhole - Access not Required
E:448969.391 N:116264.379	1.550		{2} SW64.000	Pipe	23.546	Diam/Width:150	
			{a} SW63.001	Pipe	23.546	Diam/Width:225	Not Applicable
SW112	25.015 23.500	Diameter / Length: 1.200	{1} SW63.001	Pipe	23.500	Diam/Width:225	Manhole - Access not Required
E:448967.396 N:116266.664	1.515		{2} SW65.000	Pipe	23.500	Diam/Width:150	
			{a} SW63.002	Pipe	23.500	Diam/Width:225	Not Applicable
SW21	24.933 21.832	Diameter / Length: 1.200	{1} SW3.006	Pipe	23.000	Diam/Width:450	Manhole - Access not Required
E:449014.092 N:116285.798	3.101		{2} SW12.000	Pipe	21.832	Diam/Width:150	
			{3} SW11.002	Pipe	21.832	Diam/Width:375	
			{4} SW13.000	Pipe	21.832	Diam/Width:150	
			{a} SW3.007	Pipe	21.832	Diam/Width:450	Not Applicable
SW27	24.847 22.997	Diameter / Length: 1.800	{1} SW14.000	Pipe	22.997	Diam/Width:150	Manhole - Access not Required
E:449106.087 N:116289.632	1.850		{2} SW15.000	Pipe	22.997	Diam/Width:150	
			{a} SW14.001	Pipe	22.997	Diam/Width:375	Not Applicable

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			Outgoing Connections				Cover	
SW126	24.566 23.141	Diameter / Length: 1.200	{1} SW77.002	Pipe	23.141	Diam/Width:450	Manhole - Access not Required	
E:448922.441 N:116152.782	1.425							
			{a} SW77.003	Pipe	23.141	Diam/Width:450	Not Applicable	
SW109	24.563 21.877	Diameter / Length: 1.350	{1} SW51.007	Pipe	21.877	Diam/Width:450	Manhole - Access not Required	
E:448961.724	2.686		{2} SW63.002	Pipe	23.167	Diam/Width:225		
N:116281.349			{3} SW67.000	Pipe	21.877	Diam/Width:150		
			{4} SW66.000	Pipe	21.877	Diam/Width:150		
			{a} SW51.008	Pipe	21.877	Diam/Width:450	Not Applicable	
SW95	24.471 23.200	Diameter / Length: 1.200					Manhole - Access not Required	
E:448905.929 N:116174.141	1.271							
			{a} SW51.000	Pipe	23.200	Diam/Width:300	Not Applicable	
SW6	24.466 22.617	Diameter / Length: 1.200	{1} SW2.001	Pipe	22.617	Diam/Width:225	Manhole - Access not Required	
E:449113.956 N:116349.323	1.850							
			{a} SW2.002	Pipe	22.617	Diam/Width:300	Not Applicable	

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SW130	24.409 23.109	Diameter / Length: 1.200					Manhole - Access not Required
E:448912.449 N:116166.050	1.300						
			{a} SW82.000	Pipe	23.109	Diam/Width:225	Not Applicable
SW97	24.406 23.045	Diameter / Length: 1.200	{1} SW52.000	Pipe	23.045	Diam/Width:150	Manhole - Access not Required
E:448893.971	1.361		{2} SW53.000	Pipe	23.045	Diam/Width:150	
N:116191.009			{3} SW54.000	Pipe	23.045	Diam/Width:150	
			{4} SW55.000	Pipe	23.045	Diam/Width:150	
			{a} SW52.001	Pipe	23.045	Diam/Width:300	Not Applicable
SW25	24.396 21.745	Diameter / Length: 1.200	{1} SW3.007	Pipe	21.745	Diam/Width:450	Manhole - Access not Required
E:449021.778	2.651						
N:116304.213			{a} SW3.008	Pipe	21.745	Diam/Width:450	Not Applicable

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SW108	24.373 23.021	Diameter / Length: 1.200	{1} SW61.000	Pipe	23.021	Diam/Width:150	Manhole - Access not Required
E:448943.112	1.352		{2} SW62.000	Pipe	23.021	Diam/Width:150	
N:116270.122			{3} SW60.000	Pipe	23.021	Diam/Width:150	
			{a} SW60.001	Pipe	23.021	Diam/Width:150	Not Applicable
SW129	24.367 22.953	Diameter / Length: 1.200	{1} SW81.000	Pipe	22.953	Diam/Width:225	Manhole - Access not Required
E:448913.151	1.415		{2} SW82.000	Pipe	22.953	Diam/Width:225	
N:116159.995			{a} SW81.001	Pipe	22.953	Diam/Width:225	Not Applicable
SW107	24.345 21.972	Diameter / Length: 1.200	{1} SW51.006	Pipe	21.972	Diam/Width:450	Manhole - Access not Required
E:448941.568	2.372		{2} SW60.001	Pipe	22.916	Diam/Width:150	
N:116275.672			{a} SW51.007	Pipe	21.972	Diam/Width:450	Not Applicable
SW96	24.306 22.951	Diameter / Length: 1.200	{1} SW51.000	Pipe	22.951	Diam/Width:300	Manhole - Access not Required
E:448889.659	1.354		{2} SW52.001	Pipe	22.951	Diam/Width:300	
N:116183.555			{a} SW51.001	Pipe	22.951	Diam/Width:300	Not Applicable

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SW24	24.284 21.999	Diameter / Length: 1.200	{1} SW11.001	Pipe	21.999	Diam/Width:375	Manhole - Access not Required
E:448990.855 N:116299.163	2.284						
			{a} SW11.002	Pipe	21.999	Diam/Width:375	Not Applicable
SW28	24.224 22.024	Diameter / Length: 2.500	{1} SW14.001	Pipe	22.024	Diam/Width:375	Manhole - Access not Required
E:449071.926 N:116309.168	2.200		{2} SW17.000	Pipe	22.024	Diam/Width:150	
			{3} SW16.000	Pipe	22.024	Diam/Width:150	
			{4} SW18.000	Pipe	22.024	Diam/Width:150	
					22.024		
			{a} SW14.002	Pipe	22.024	Diam/Width:375	Not Applicable
SW105	24.188 22.040	Diameter / Length: 1.200	{1} SW51.005	Pipe	22.040	Diam/Width:450	Manhole - Access not Required
E:448926.722 N:116271.385	2.148		{2} SW59.000	Pipe	22.040	Diam/Width:225	
			{a} SW51.006	Pipe	22.040	Diam/Width:450	Not Applicable
SW131	24.166 22.666	Diameter / Length: 1.200	{1} SW77.004	Pipe	22.666	Diam/Width:525	Manhole - Access not Required
E:448907.705 N:116148.876	1.500						
			{a} SW77.005	Pipe	22.666	Diam/Width:525	Not Applicable

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SW132	24.112 22.612	Diameter / Length: 1.200	{1} SW77.005	Pipe	22.612	Diam/Width:525	Manhole - Access not Required
E:448905.718 N:116145.493	1.500		{a} SW77.006	Pipe	22.612	Diam/Width:525	Not Applicable
SW98	24.089 22.710	Diameter / Length: 1.200	{1} SW51.001	Pipe	22.710	Diam/Width:300	Manhole - Access not Required
E:448873.175 N:116193.093	1.379		{a} SW51.002	Pipe	22.710	Diam/Width:375	Not Applicable
SW103	24.014 22.150	Diameter / Length: 1.200	{1} SW51.004	Pipe	22.150	Diam/Width:450	Manhole - Access not Required
E:448910.622 N:116266.135	1.864		{2} SW58.000	Pipe	22.300	Diam/Width:225	
			{a} SW51.005	Pipe	22.150	Diam/Width:450	Not Applicable
SW23	23.992 22.136	Diameter / Length: 1.200	{1} SW11.000	Pipe	22.136	Diam/Width:375	Manhole - Access not Required
E:448985.944 N:116311.940	1.855		{a} SW11.001	Pipe	22.136	Diam/Width:375	Not Applicable
SW99	23.976 22.431	Diameter / Length: 1.200	{1} SW51.002	Pipe	22.431	Diam/Width:375	Manhole - Access not Required
E:448880.047 N:116236.254	1.544		{2} SW56.000	Pipe	22.431	Diam/Width:300	
			{a} SW51.003	Pipe	22.431	Diam/Width:450	Not Applicable

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SW133	23.963 22.463	Diameter / Length: 1.200	{1} SW77.006	Pipe	22.463	Diam/Width:525	Manhole - Access not Required
E:448892.980 N:116138.643	1.500		{a} SW77.007	Pipe	22.463	Diam/Width:525	Not Applicable
SW106	23.940 22.140	Diameter / Length: 1.200					Manhole - Access not Required
E:448924.767 N:116278.007	1.800		{a} SW59.000	Pipe	22.140	Diam/Width:225	Not Applicable
SW100	23.867 22.596	Diameter / Length: 1.200					Manhole - Access not Required
E:448871.148 N:116237.454	1.271		{a} SW56.000	Pipe	22.596	Diam/Width:300	Not Applicable
SW101	23.849 22.238	Diameter / Length: 1.800	{1} SW51.003	Pipe	22.238	Diam/Width:450	Manhole - Access not Required
E:448893.350 N:116254.268	1.611		{2} SW57.000	Pipe	22.238	Diam/Width:300	
			{a} SW51.004	Pipe	22.238	Diam/Width:450	Not Applicable
SW102	23.761 22.311	Diameter / Length: 1.800					Manhole - Access not Required
E:448885.768 N:116261.173	1.450		{a} SW57.000	Pipe	22.311	Diam/Width:300	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW104	23.730 22.459	Diameter / Length: 1.200					Manhole - Access not Required
E:448908.492	1.271						
N:116273.681							
			{a} SW58.000	Pipe	22.459	Diam/Width:225	Not Applicable
SW114	23.705 21.605	Diameter / Length: 1.200	{1} SW69.000	Pipe	21.605	Diam/Width:150	Manhole - Access not Required
E:448939.169	2.100		{2} SW70.001	Pipe	21.605	Diam/Width:150	
N:116313.345			{3} SW71.001	Pipe	21.605	Diam/Width:450	
			{4} SW51.009	Pipe	21.605	Diam/Width:150	
			{5} SW72.000	Pipe	21.605		
					21.605		
			{a} SW51.010	Pipe	21.605	Diam/Width:525	Not Applicable
SW113	23.685 21.761	Diameter / Length: 1.350	{1} SW51.008	Pipe	21.761	Diam/Width:450	Manhole - Access not Required
E:448948.489	1.924		{2} SW68.000	Pipe	21.761	Diam/Width:150	
N:116315.967							
			{a} SW51.009	Pipe	21.761	Diam/Width:450	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW5	23.668 22.782	Diameter / Length: 1.200	{1} SW2.000	Pipe	22.782	Diam/Width:150	Manhole - Access not Required
E:449089.813	0.886		{2} SW3.000	Pipe	22.782	Diam/Width:150	
N:116360.148			{3} SW4.000	Pipe	22.782	Diam/Width:150	
			{4} SW5.000	Pipe	22.782		
			{a} SW2.001	Pipe	22.782	Diam/Width:225	Not Applicable
SW22	23.609 22.309	Diameter / Length: 1.200					Manhole - Access not Required
E:448992.712	1.300						
N:116327.879			{a} SW11.000	Pipe	22.309	Diam/Width:375	Not Applicable
SW26	23.602 21.583	Diameter / Length: 1.350	{1} SW3.008	Pipe	21.583	Diam/Width:450	Manhole - Access not Required
E:449036.613	2.020		{2} SW14.002	Pipe	21.583	Diam/Width:375	
N:116329.377			{3} SW19.001	Pipe	21.583	Diam/Width:375	
			{a} SW3.009	Pipe	21.583	Diam/Width:450	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW30	23.506 21.849	Diameter / Length: 1.200	{1} SW19.000	Pipe	21.849	Diam/Width:375	Manhole - Access not Required
E:449023.071 N:116330.523	1.657						
			{a} SW19.001	Pipe	21.849	Diam/Width:375	Not Applicable
SW115	23.447 21.421	Diameter / Length: 1.200	{1} SW51.010	Pipe	21.421	Diam/Width:525	Manhole - Access not Required
E:448859.651 N:116290.974	2.026		{2} SW75.000	Pipe	21.421	Diam/Width:150	
			{3} SW76.000	Pipe	21.421	Diam/Width:150	
			{4} SW73.000	Pipe	21.421	Diam/Width:150	
			{5} SW74.000	Pipe	21.421		
					21.421		
			{a} SW51.011	Pipe	21.421	Diam/Width:525	Not Applicable
SW135	23.400 21.600	Diameter / Length: 1.200	{1} SW77.008	Pipe	21.600	Diam/Width:525	Manhole - Access not Required
E:448831.542 N:116138.594	1.800						
							Not Applicable
SW29	23.339 22.000	Diameter / Length: 1.200					Manhole - Access not Required
E:448995.061 N:116342.418	1.339						
			{a} SW19.000	Pipe	22.000	Diam/Width:375	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW43	23.266 21.686	Diameter / Length: 1.350	{1} SW25.000 (1)	Pipe	21.686	Diam/Width:150	Manhole - Access not Required
E:448954.377 N:116331.862	1.581		{2} SW26.001 (1)	Pipe	21.686	Diam/Width:150	
			{a} SW25.001	Pipe	21.686	Diam/Width:375	Not Applicable
SW55	23.133 21.862	Diameter / Length: 1.200					Manhole - Access not Required
E:448913.047 N:116341.003	1.271		{a} SW33.000	Pipe	21.862	Diam/Width:150	Not Applicable
SW31	23.131 21.523	Diameter / Length: 1.350	{1} SW3.009	Pipe	21.523	Diam/Width:450	Manhole - Access not Required
E:449045.466 N:116346.481	1.608		{a} SW3.010	Pipe	21.523	Diam/Width:450	Not Applicable
SW81	23.122 21.906	Diameter / Length: 1.200					Manhole - Access not Required
E:448906.802 N:116339.197	1.216		{a} SW45.000	Pipe	21.906	Diam/Width:150	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW56	23.065 21.770	Diameter / Length: 1.200	{1} SW33.000	Pipe	21.770	Diam/Width:150	Manhole - Access not Required
E:448917.966 N:116342.425	1.295						
			{a} SW33.001	Pipe	21.770	Diam/Width:150	Not Applicable
SW58	22.989 21.718	Diameter / Length: 1.200					Manhole - Access not Required
E:448935.831 N:116365.257	1.271						
			{a} SW34.000	Pipe	21.718	Diam/Width:150	Not Applicable
SW82	22.986 21.720	Diameter / Length: 1.200	{1} SW45.000	Pipe	21.720	Diam/Width:150	Manhole - Access not Required
E:448894.627 N:116335.678	1.266						
			{a} SW45.001	Pipe	21.720	Diam/Width:150	Not Applicable
SW45	22.971 21.621	Diameter / Length: 1.200					Manhole - Access not Required
E:448943.048 N:116362.186	1.350						
			{a} SW27.000	Pipe	21.621	Diam/Width:150	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW34	22.936 21.490	Diameter / Length: 2.100	{1} SW21.001	Pipe	21.490	Diam/Width:150	Manhole - Access not Required
E:449071.504	1.446		{2} SW23.000	Pipe	21.490	Diam/Width:150	
N:116367.443			{3} SW20.000	Pipe	21.490	Diam/Width:150	
			{4} SW22.000	Pipe	21.490		
			{a} SW20.001	Pipe	21.490	Diam/Width:300	Not Applicable
SW84	22.908 21.619	Diameter / Length: 1.200	{1} SW46.000	Pipe	21.619	Diam/Width:150	Manhole - Access not Required
E:448880.281	1.289						
N:116327.636			{a} SW46.001	Pipe	21.619	Diam/Width:150	Not Applicable
SW83	22.882 21.489	Diameter / Length: 1.200	{1} SW45.001	Pipe	21.489	Diam/Width:150	Manhole - Access not Required
E:448885.174	1.393		{2} SW46.001	Pipe	21.489	Diam/Width:150	
N:116339.693			{a} SW45.002	Pipe	21.489	Diam/Width:150	Not Applicable
SW57	22.871 21.540	Diameter / Length: 1.200	{1} SW33.001	Pipe	21.540	Diam/Width:150	Manhole - Access not Required
E:448928.930	1.331		{2} SW34.000	Pipe	21.590	Diam/Width:150	
N:116368.193			{a} SW33.002	Pipe	21.540	Diam/Width:225	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW32	22.849 21.274	Diameter / Length: 1.350	{1} SW3.010	Pipe	21.274	Diam/Width:450	Manhole - Access not Required
E:449051.914 N:116356.481	1.575						
			{a} SW3.011	Pipe	21.274	Diam/Width:450	Not Applicable
SW44	22.821 21.275	Diameter / Length: 1.350	{1} SW25.001	Pipe	21.275	Diam/Width:375	Manhole - Access not Required
E:448964.500 N:116353.123	1.546		{2} SW27.000	Pipe	21.275	Diam/Width:150	
			{a} SW25.002	Pipe	21.275	Diam/Width:375	Not Applicable
SW86	22.728 21.332	Diameter / Length: 1.200	{1} SW47.000	Pipe	21.332	Diam/Width:150	Manhole - Access not Required
E:448865.759 N:116333.991	1.396		{2} SW48.000	Pipe	21.332	Diam/Width:150	
			{a} SW47.001	Pipe	21.332	Diam/Width:150	Not Applicable
SW85	22.669 21.203	Diameter / Length: 1.200	{1} SW45.002	Pipe	21.203	Diam/Width:150	Manhole - Access not Required
E:448870.587 N:116345.890	1.466		{2} SW47.001	Pipe	21.203	Diam/Width:150	
			{a} SW45.003	Pipe	21.203	Diam/Width:150	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW59	22.626 20.715	Diameter / Length: 1.200	{1} SW33.002	Pipe	21.305	Diam/Width:225	Manhole - Access not Required
E:448927.856 N:116374.214	1.911		{2} SW35.001	Pipe	20.715	Diam/Width:225	
			{a} SW33.003	Pipe	20.715	Diam/Width:300	Not Applicable
SW87	22.540 21.117	Diameter / Length: 1.200	{1} SW45.003	Pipe	21.117	Diam/Width:150	Manhole - Access not Required
E:448862.610 N:116349.300	1.423		{a} SW45.004	Pipe	21.117	Diam/Width:225	Not Applicable
SW61	22.538 20.759	Diameter / Length: 1.200	{1} SW35.000	Pipe	20.759	Diam/Width:225	Manhole - Access not Required
E:448921.223 N:116371.798	1.779		{a} SW35.001	Pipe	20.759	Diam/Width:225	Not Applicable
SW48	22.533 20.782	Diameter / Length: 1.200	{1} SW28.000	Pipe	20.782	Diam/Width:225	Manhole - Access not Required
E:449012.300 N:116369.431	1.751		{a} SW28.001	Pipe	20.782	Diam/Width:225	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW33	22.408 20.833	Diameter / Length: 1.350	{1} SW3.011	Pipe	20.833	Diam/Width:450	Manhole - Access not Required
E:449056.406	1.575		{2} SW20.001	Pipe	21.058	Diam/Width:300	
N:116373.937			{3} SW24.001	Pipe	20.833	Diam/Width:150	
			{a} SW3.012	Pipe	20.833	Diam/Width:450	Not Applicable
SW60	22.175 20.904	Diameter / Length: 1.200					Manhole - Access not Required
E:448899.792	1.271						
N:116380.916			{a} SW35.000	Pipe	20.904	Diam/Width:225	Not Applicable
SW47	22.263 20.992	Diameter / Length: 1.200					Manhole - Access not Required
E:449018.595	1.271						
N:116384.260			{a} SW28.000	Pipe	20.992	Diam/Width:225	Not Applicable
SW35	22.199 20.624	Diameter / Length: 1.350	{1} SW3.012	Pipe	20.624	Diam/Width:450	Manhole - Access not Required
E:449061.250	1.575						
N:116387.428			{a} SW3.013	Pipe	20.624	Diam/Width:450	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW88	22.184 20.843	Diameter / Length: 1.200	{1} SW45.004	Pipe	20.843	Diam/Width:225	Manhole - Access not Required
E:448852.734 N:116376.422	1.341		{a} SW45.005	Pipe	20.843	Diam/Width:300	Not Applicable
SW52	22.114 20.843	Diameter / Length: 1.200					Manhole - Access not Required
E:449010.252 N:116397.753	1.271		{a} SW32.000	Pipe	20.843	Diam/Width:150	Not Applicable
SW46	22.094 20.509	Diameter / Length: 1.350	{1} SW25.002	Pipe	20.509	Diam/Width:375	Manhole - Access not Required
E:448977.403 N:116384.244	1.585		{2} SW28.001	Pipe	20.509	Diam/Width:225	
			{3} SW29.000	Pipe	20.509	Diam/Width:150	
			{a} SW25.003	Pipe	20.509	Diam/Width:375	Not Applicable
SW36	22.089 20.514	Diameter / Length: 1.350	{1} SW3.013	Pipe	20.514	Diam/Width:450	Manhole - Access not Required
E:449061.000 N:116395.770	1.575		{2} SW25.000	Pipe	20.514	Diam/Width:150	
			{3} SW26.001	Pipe	20.514	Diam/Width:150	
			{a} SW3.014	Pipe	20.514	Diam/Width:450	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW39	22.069 20.112	Diameter / Length: 1.200	{1} SW24.000 (1)	Pipe	20.112	Diam/Width:300	Manhole - Access not Required
E:449057.219 N:116396.595	1.957		{a} SW24.001 (1)	Pipe	20.112	Diam/Width:300	Not Applicable
SW63	21.976 20.705	Diameter / Length: 1.200					Manhole - Access not Required
E:448923.802 N:116407.410	1.271		{a} SW36.000	Pipe	20.705	Diam/Width:300	Not Applicable
SW62	21.968 20.463	Diameter / Length: 1.200	{1} SW33.003	Pipe	20.463	Diam/Width:300	Manhole - Access not Required
E:448939.219 N:116401.038	1.506		{2} SW36.000	Pipe	20.538	Diam/Width:300	
			{a} SW33.004	Pipe	20.463	Diam/Width:375	Not Applicable
SW94	21.900 19.566	Diameter / Length: 1.200	{1} SW45.006	Pipe	19.566	Diam/Width:300	Manhole - Access not Required
E:448799.690 N:116404.345	2.334						Not Applicable
SW90	21.866 20.650	Diameter / Length: 1.200					Manhole - Access not Required
E:448877.861 N:116408.393	1.216		{a} SW49.000	Pipe	20.650	Diam/Width:100	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW91	21.815 20.030	Diameter / Length: 1.200	{1} SW49.000	Pipe	20.155	Diam/Width:100	Manhole - Access not Required
E:448870.883 N:116411.362	1.785		{2} SW50.001	Pipe	20.030	Diam/Width:225	
			{a} SW49.001	Pipe	20.030	Diam/Width:225	Not Applicable
SW50	21.766 20.416	Diameter / Length: 1.200					Manhole - Access not Required
E:448954.625 N:116417.912	1.350						
			{a} SW30.000	Pipe	20.416	Diam/Width:225	Not Applicable
SW49	21.678 20.131	Diameter / Length: 1.350	{1} SW25.003	Pipe	20.131	Diam/Width:375	Manhole - Access not Required
E:448982.777 N:116405.690	1.546		{2} SW30.000	Pipe	20.131	Diam/Width:225	
			{3} SW31.000	Pipe	20.131	Diam/Width:150	
			{a} SW25.004	Pipe	20.131	Diam/Width:375	Not Applicable
SW93	21.574 19.818	Diameter / Length: 1.200	{1} SW49.001	Pipe	19.818	Diam/Width:225	Manhole - Access not Required
E:448839.745 N:116424.610	1.756						
			{a} SW49.002	Pipe	19.818	Diam/Width:225	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW51	21.575 20.029	Diameter / Length: 1.350	{1} SW25.004	Pipe	20.029	Diam/Width:375	Manhole - Access not Required
E:448983.661 N:116409.705	1.546		{2} SW32.000	Pipe	20.304	Diam/Width:150	
			{a} SW25.005	Pipe	20.029	Diam/Width:450	Not Applicable
SW89	21.565 19.734	Diameter / Length: 1.200	{1} SW45.005	Pipe	19.775	Diam/Width:300	Manhole - Access not Required
E:448837.488 N:116418.146	1.832		{2} SW49.002	Pipe	19.775	Diam/Width:225	
			{a} SW45.006	Pipe	19.734	Diam/Width:300	Not Applicable
SW68	21.558 20.208	Diameter / Length: 1.200					Manhole - Access not Required
E:448833.139 N:116430.090	1.350						
			{a} SW38.000	Pipe	20.208	Diam/Width:300	Not Applicable
SW38	21.551 20.280	Diameter / Length: 1.200					Manhole - Access not Required
E:449020.071 N:116412.372	1.271						
			{a} SW24.000 (1)	Pipe	20.280	Diam/Width:300	Not Applicable

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Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW92	21.529 20.202	Diameter / Length: 1.200	{1} SW50.000	Pipe	20.202	Diam/Width:150	Manhole - Access not Required
E:448881.205 N:116436.956	1.327		{a} SW50.001	Pipe	20.202	Diam/Width:225	Not Applicable
SW71	21.496 20.224	Diameter / Length: 1.200					Manhole - Access not Required
E:448822.480 N:116445.202	1.271		{a} SW39.000	Pipe	20.224	Diam/Width:225	Not Applicable
SW69	21.441 20.120	Diameter / Length: 1.200	{1} SW38.000	Pipe	20.120	Diam/Width:300	Manhole - Access not Required
E:448829.667 N:116439.627	1.321		{a} SW38.001	Pipe	20.120	Diam/Width:300	Not Applicable
SW70	21.410 19.989	Diameter / Length: 1.200	{1} SW38.001	Pipe	19.989	Diam/Width:300	Manhole - Access not Required
E:448833.806	1.422		{2} SW39.000	Pipe	19.989	Diam/Width:225	
N:116449.339			{3} SW40.000	Pipe	19.989	Diam/Width:225	
			{a} SW38.002	Pipe	19.989	Diam/Width:300	Not Applicable

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Report Details: Type: Manhole Schedule Storm Phase: Main Surface Water	Ridge:		



Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW64	21.379 19.983	Diameter / Length: 1.200	{1} SW33.004	Pipe	19.983	Diam/Width:375	Manhole - Access not Required
E:448955.025 N:116438.864	1.396		{a} SW33.005	Pipe	19.983	Diam/Width:375	Not Applicable
SW72	21.371 20.071	Diameter / Length: 1.200					Manhole - Access not Required
E:448844.059 N:116444.970	1.300		{a} SW40.000	Pipe	20.071	Diam/Width:225	Not Applicable
SW66	21.369 20.019	Diameter / Length: 1.200					Manhole - Access not Required
E:448895.073 N:116463.981	1.350		{a} SW37.000	Pipe	20.019	Diam/Width:225	Not Applicable
SW79	21.365 20.094	Diameter / Length: 1.200					Manhole - Access not Required
E:448889.485 N:116466.359	1.271		{a} SW44.000	Pipe	20.094	Diam/Width:225	Not Applicable
SW74	21.359 20.009	Diameter / Length: 1.200	{1} SW41.000	Pipe	20.009	Diam/Width:150	Manhole - Access not Required
E:448801.642 N:116468.714	1.350		{a} SW41.001	Pipe	20.009	Diam/Width:150	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW75	21.321 19.921	Diameter / Length: 1.200	{1} SW41.001	Pipe	19.921	Diam/Width:150	Manhole - Access not Required
E:448813.373	1.400		{2} SW42.000	Pipe	19.921	Diam/Width:150	
N:116472.344			{3} SW43.000	Pipe	19.921	Diam/Width:150	
			{a} SW41.002	Pipe	19.921	Diam/Width:150	Not Applicable
SW78	21.231 19.461	Diameter / Length: 1.200	{1} SW38.005	Pipe	19.461	Diam/Width:300	Manhole - Access not Required
E:448869.566	1.770		{2} SW44.000	Pipe	19.586	Diam/Width:225	
N:116474.834			{a} SW38.006	Pipe	19.461	Diam/Width:300	Not Applicable
SW73	21.193 19.732	Diameter / Length: 1.200	{1} SW38.002	Pipe	19.732	Diam/Width:300	Manhole - Access not Required
E:448839.153	1.461		{2} SW41.002	Pipe	19.732	Diam/Width:150	
N:116461.885			{a} SW38.003	Pipe	19.732	Diam/Width:300	Not Applicable
SW65	21.192 19.727	Diameter / Length: 1.200	{1} SW33.005	Pipe	19.727	Diam/Width:375	Manhole - Access not Required
E:448916.514	1.465		{2} SW37.000	Pipe	19.802	Diam/Width:225	
N:116454.834			{a} SW33.006	Pipe	19.727	Diam/Width:375	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW77	21.134 19.570	Diameter / Length: 1.200	{1} SW38.004	Pipe	19.570	Diam/Width:300	Manhole - Access not Required
E:448853.632 N:116481.613	1.565		{a} SW38.005	Pipe	19.570	Diam/Width:300	Not Applicable
SW76	21.077 19.622	Diameter / Length: 1.200	{1} SW38.003	Pipe	19.622	Diam/Width:300	Manhole - Access not Required
E:448846.057 N:116478.083	1.455		{a} SW38.004	Pipe	19.622	Diam/Width:300	Not Applicable
SW40	22.299 20.047	Diameter / Length: 1.200	{1} SW24.001 (1)	Pipe	20.047	Diam/Width:300	Manhole - Access not Required
E:449062.706 N:116411.140	2.252		{a} SW24.002	Pipe	20.047	Diam/Width:300	Not Applicable
SW42	21.150 19.604	Diameter / Length: 1.350	{1} SW25.005	Pipe	19.604	Diam/Width:450	Manhole - Access not Required
E:448996.718 N:116438.875	1.546		{2} SW24.003	Pipe	19.679	Diam/Width:300	
			{a} SW24.004	Pipe	19.604	Diam/Width:525	Not Applicable
SW53	21.400 19.518	Diameter / Length: 1.350	{1} SW24.004	Pipe	19.518	Diam/Width:525	Manhole - Access not Required
E:448964.113 N:116449.142	1.882		{a} SW24.005	Pipe	19.518	Diam/Width:525	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW54	21.104 19.403	Diameter / Length: 1.350	{1} SW24.005	Pipe	19.403	Diam/Width:525	Manhole - Access not Required
E:448920.532 N:116464.336	1.701		{2} SW33.006	Pipe	19.628	Diam/Width:375	
			{a} SW24.006	Pipe	19.403	Diam/Width:525	Not Applicable
SW67	21.078 19.175	Diameter / Length: 1.500	{1} SW24.006	Pipe	19.175	Diam/Width:525	Manhole - Access not Required
E:448873.433 N:116483.926	1.903		{2} SW38.006	Pipe	19.400	Diam/Width:300	
			{a} SW24.007	Pipe	19.175	Diam/Width:525	Not Applicable
SW80	21.111 19.048	Diameter / Length: 1.500	{1} SW24.007	Pipe	19.048	Diam/Width:525	Manhole - Access not Required
E:448815.996 N:116506.943	2.063						
			{a} SW24.008	Pipe	19.048	Diam/Width:525	Not Applicable
SW37	22.602 20.456	Diameter / Length: 1.350	{1} SW3.014	Pipe	20.456	Diam/Width:450	Manhole - Access not Required
E:449066.588 N:116409.712	2.146						
			{a} SW3.015	Pipe	20.456	Diam/Width:450	Not Applicable
SW41	21.841 19.900	Diameter / Length: 1.200	{1} SW24.002	Pipe	19.900	Diam/Width:300	Manhole - Access not Required
E:449030.068 N:116424.525	1.941						
			{a} SW24.003	Pipe	19.900	Diam/Width:300	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
SW3	25.267 24.565	Diameter / Length: 1.200	{1} SW1.001	Pipe	24.565	Diam/Width:225	Manhole - Access not Required
E:449152.529 N:116373.238	0.702						
			{a} SW1.002	Pipe	24.565	Diam/Width:225	Not Applicable
SW4	24.231 22.463	Diameter / Length: 1.200	{1} SW1.002	Pipe	23.752	Diam/Width:225	Manhole - Access not Required
E:449128.031 N:116383.298	1.768		{2} SW2.002	Pipe	22.463	Diam/Width:300	
			{a} SW1.003	Pipe	22.463	Diam/Width:300	Not Applicable
SW7	23.530 22.336	Diameter / Length: 1.200	{1} SW1.003	Pipe	22.336	Diam/Width:300	Manhole - Access not Required
E:449099.783 N:116394.897	1.194						
			{a} SW1.004	Pipe	22.336	Diam/Width:300	Not Applicable
SW116	23.600 21.176	Diameter / Length: 1.200	{1} SW51.011	Pipe	21.176	Diam/Width:525	Manhole - Access not Required
E:448846.042 N:116290.092	2.424						
							Not Applicable
SW134	23.755 22.255	Diameter / Length: 1.350	{1} SW77.007	Pipe	22.255	Diam/Width:525	Manhole - Access not Required
E:448871.594 N:116138.626	1.500						
			{a} SW77.008	Pipe	22.255	Diam/Width:525	Not Applicable

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Name	Cover Level (m) Invert Level (m)		Connection Details				Type
Coordinates (m)	Depth (m)	Manhole Size (m)	Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
Manhole (2)	22.500 21.075	Diameter / Length: 1.200	{1} Pipe (19)	Pipe	21.075	Diam/Width:225	Manhole - Access not Required
E:449084.658 N:116437.007	1.425		{a} Pipe (46)	Pipe	21.075	Diam/Width:225	Not Applicable
Manhole (3)	21.000 20.050	Diameter / Length: 1.200	{1} Pipe (47)	Pipe	20.050	Diam/Width:450	Manhole - Access not Required
E:449008.336 N:116456.987	0.950						Not Applicable
Manhole (4)	19.600 18.550	Diameter / Length: 1.200	{1} Pipe (48)	Pipe	18.550	Diam/Width:450	Manhole - Access not Required
E:448799.565 N:116567.122	1.050						Not Applicable

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
BC1	SW80		Time of Concentration	0.007	100	10	110	0.008
BC2	SW80		Time of Concentration	0.006	100	10	110	0.006
BC3	SW80		Time of Concentration	0.006	100	10	110	0.006
BC4	SW80		Time of Concentration	0.007	100	10	110	0.008
BC5	SW80		Time of Concentration	0.006	100	10	110	0.007
BC6	SW80		Time of Concentration	0.005	100	10	110	0.006
BC7	SW80		Time of Concentration	0.006	100	10	110	0.006
BC8	SW71		Time of Concentration	0.006	100	10	110	0.007
BC9	SW71		Time of Concentration	0.006	100	10	110	0.007
BC10	SW71		Time of Concentration	0.007	100	10	110	0.007
BC11	SW71		Time of Concentration	0.006	100	10	110	0.007
BC12	SW71		Time of Concentration	0.006	100	10	110	0.007
BC13	SW71		Time of Concentration	0.006	100	10	110	0.007
BC14	SW68		Time of Concentration	0.006	100	10	110	0.007
BC15	SW68		Time of Concentration	0.006	100	10	110	0.007
BC16	SW71		Time of Concentration	0.010	100	10	110	0.011
BC17	SW76		Time of Concentration	0.013	100	10	110	0.015
BC18	SW78		Time of Concentration	0.013	100	10	110	0.015
BC19	SW78		Time of Concentration	0.013	100	10	110	0.015
BC20	SW78		Time of Concentration	0.013	100	10	110	0.015
BC21	SW79		Time of Concentration	0.013	100	10	110	0.015
BC22	SW66		Time of Concentration	0.014	100	10	110	0.015
BC23	SW72		Time of Concentration	0.007	100	10	110	0.007
BC24	SW72		Time of Concentration	0.006	100	10	110	0.007
BC25	SW93		Time of Concentration	0.007	100	10	110	0.008
BC26	SW93		Time of Concentration	0.009	100	10	110	0.010
BC27	SW91		Time of Concentration	0.010	100	10	110	0.011
BC28	SW90		Time of Concentration	0.006	100	10	110	0.006
BC29	SW90		Time of Concentration	0.006	100	10	110	0.006
BC30	SW90		Time of Concentration	0.006	100	10	110	0.007
BC31	SW89		Time of Concentration	0.007	100	10	110	0.008
BC32	SW89		Time of Concentration	0.007	100	10	110	0.008
BC33	SW88		Time of Concentration	0.007	100	10	110	0.007

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BC34	SW88		Time of Concentration	0.007	100	10	110	0.008
BC35	SW88		Time of Concentration	0.007	100	10	110	0.007
BC36	SW88		Time of Concentration	0.009	100	10	110	0.010
BC37	SW88		Time of Concentration	0.007	100	10	110	0.007
BC38	SW88		Time of Concentration	0.007	100	10	110	0.007
BC39	SW87		Time of Concentration	0.008	100	10	110	0.009
BC40	SW87		Time of Concentration	0.006	100	10	110	0.007
BC41	SW87		Time of Concentration	0.006	100	10	110	0.007
BC42	SW87		Time of Concentration	0.006	100	10	110	0.007
BC43	SW89		Time of Concentration	0.013	100	10	110	0.015
BC44	SW88		Time of Concentration	0.012	100	10	110	0.013
BC45	SW90		Time of Concentration	0.003	100	10	110	0.004
BC45.1	SW90		Time of Concentration	0.003	100	10	110	0.003
BC46	SW88		Time of Concentration	0.006	100	10	110	0.006
BC47	SW88		Time of Concentration	0.005	100	10	110	0.006
BC48	SW65		Time of Concentration	0.012	100	10	110	0.013
BC49	SW65		Time of Concentration	0.012	100	10	110	0.013
BC50	SW65		Time of Concentration	0.012	100	10	110	0.013
BC51	SW63		Time of Concentration	0.006	100	10	110	0.007
BC52	SW63		Time of Concentration	0.011	100	10	110	0.012
BC53	SW63		Time of Concentration	0.005	100	10	110	0.006
BC54	SW63		Time of Concentration	0.005	100	10	110	0.006
BC55	SW60		Time of Concentration	0.004	100	10	110	0.004
BC55.1	SW60		Time of Concentration	0.003	100	10	110	0.003
BC56	SW60		Time of Concentration	0.007	100	10	110	0.008
BC57	SW60		Time of Concentration	0.009	100	10	110	0.010
BC58	SW60		Time of Concentration	0.007	100	10	110	0.008
BC59	SW85		Time of Concentration	0.012	100	10	110	0.013
BC60	SW85		Time of Concentration	0.014	100	10	110	0.015
BC61	SW55		Time of Concentration	0.004	100	10	110	0.004
BC61.1	SW81		Time of Concentration	0.003	100	10	110	0.004
BC62	SW114		Time of Concentration	0.018	100	10	110	0.020
BC63	SW114		Time of Concentration	0.006	100	10	110	0.006
BC64	SW114		Time of Concentration	0.016	100	10	110	0.018
BC65	SW114		Time of Concentration	0.008	100	10	110	0.009

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BC66	SW45		Time of Concentration	0.008	100	10	110	0.009
BC67	SW45		Time of Concentration	0.006	100	10	110	0.006
BC68	SW45		Time of Concentration	0.006	100	10	110	0.006
BC69	SW45		Time of Concentration	0.007	100	10	110	0.008
BC70	SW44		Time of Concentration	0.008	100	10	110	0.008
BC71	SW44		Time of Concentration	0.007	100	10	110	0.008
BC72	SW49		Time of Concentration	0.009	100	10	110	0.010
BC73	SW49		Time of Concentration	0.008	100	10	110	0.009
BC74	SW49		Time of Concentration	0.008	100	10	110	0.009
BC75	SW64		Time of Concentration	0.006	100	10	110	0.006
BC76	SW64		Time of Concentration	0.006	100	10	110	0.007
BC77	SW64		Time of Concentration	0.006	100	10	110	0.006
BC78	SW64		Time of Concentration	0.008	100	10	110	0.009
BC79	SW42		Time of Concentration	0.008	100	10	110	0.008
BC80	SW38		Time of Concentration	0.007	100	10	110	0.007
BC81	SW38		Time of Concentration	0.007	100	10	110	0.008
BC82	SW38		Time of Concentration	0.006	100	10	110	0.007
BC83	SW38		Time of Concentration	0.006	100	10	110	0.006
BC84	SW38		Time of Concentration	0.006	100	10	110	0.007
BC85	SW39		Time of Concentration	0.008	100	10	110	0.009
BC86	SW39		Time of Concentration	0.006	100	10	110	0.006
BC87	SW35		Time of Concentration	0.008	100	10	110	0.008
BC88	SW52		Time of Concentration	0.026	100	10	110	0.029
BC89	SW49		Time of Concentration	0.006	100	10	110	0.007
BC90	SW49		Time of Concentration	0.006	100	10	110	0.007
BC91	SW33		Time of Concentration	0.006	100	10	110	0.007
BC92	SW32		Time of Concentration	0.008	100	10	110	0.009
BC93	SW32		Time of Concentration	0.007	100	10	110	0.007
BC94	SW31		Time of Concentration	0.008	100	10	110	0.009
BC95	SW31		Time of Concentration	0.007	100	10	110	0.007
BC96	SW31		Time of Concentration	0.008	100	10	110	0.008
BC97	SW48		Time of Concentration	0.010	100	10	110	0.011
BC98	SW46		Time of Concentration	0.007	100	10	110	0.007
BC99	SW46		Time of Concentration	0.007	100	10	110	0.008
BC100	SW46		Time of Concentration	0.006	100	10	110	0.007

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BC101	SW46		Time of Concentration	0.006	100	10	110	0.007
BC102	SW29		Time of Concentration	0.010	100	10	110	0.011
BC103	SW44		Time of Concentration	0.006	100	10	110	0.006
BC104	SW44		Time of Concentration	0.006	100	10	110	0.006
BC105	SW44		Time of Concentration	0.006	100	10	110	0.006
BC106	SW22		Time of Concentration	0.010	100	10	110	0.011
BC107	SW25		Time of Concentration	0.007	100	10	110	0.007
BC108	SW25		Time of Concentration	0.007	100	10	110	0.008
BC109	SW25		Time of Concentration	0.007	100	10	110	0.008
BC110	SW25		Time of Concentration	0.007	100	10	110	0.007
BC111	BR16		Time of Concentration	0.007	100	10	110	0.007
BC112	BR14		Time of Concentration	0.006	100	10	110	0.007
BC113	BR14		Time of Concentration	0.006	100	10	110	0.006
BC114	SW113		Time of Concentration	0.006	100	10	110	0.006
BC115	SW113		Time of Concentration	0.006	100	10	110	0.006
BC116	SW113		Time of Concentration	0.006	100	10	110	0.006
BC117	SW115		Time of Concentration	0.013	100	10	110	0.014
BC118	SW115		Time of Concentration	0.012	100	10	110	0.013
BC119	SW115		Time of Concentration	0.012	100	10	110	0.014
BC120	SW115		Time of Concentration	0.013	100	10	110	0.014
BC121	SW100		Time of Concentration	0.009	100	10	110	0.009
BC122	SW100		Time of Concentration	0.006	100	10	110	0.007
BC123	SW100		Time of Concentration	0.006	100	10	110	0.007
BC124	SW100		Time of Concentration	0.006	100	10	110	0.006
BC125	SW100		Time of Concentration	0.006	100	10	110	0.007
BC126	SW100		Time of Concentration	0.006	100	10	110	0.007
BC127	SW98		Time of Concentration	0.006	100	10	110	0.007
BC128	SW98		Time of Concentration	0.006	100	10	110	0.006
BC129	SW98		Time of Concentration	0.007	100	10	110	0.008
BC130	SW98		Time of Concentration	0.006	100	10	110	0.007
BC131	SW98		Time of Concentration	0.006	100	10	110	0.007
BC132	SW98		Time of Concentration	0.005	100	10	110	0.006
BC133	SW133		Time of Concentration	0.010	100	10	110	0.011
BC134	SW132		Time of Concentration	0.006	100	10	110	0.007
BC135	SW131		Time of Concentration	0.006	100	10	110	0.007

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BC136	SW127		Time of Concentration	0.009	100	10	110	0.010
BC137	SW98		Time of Concentration	0.008	100	10	110	0.009
BC138	SW98		Time of Concentration	0.006	100	10	110	0.006
BC139	SW95		Time of Concentration	0.008	100	10	110	0.008
BC140	SW95		Time of Concentration	0.007	100	10	110	0.008
BC141	SW128		Time of Concentration	0.006	100	10	110	0.007
BC142	SW128		Time of Concentration	0.006	100	10	110	0.007
BC143	SW128		Time of Concentration	0.006	100	10	110	0.007
BC144	SW128		Time of Concentration	0.009	100	10	110	0.010
BC145	SW128		Time of Concentration	0.007	100	10	110	0.008
BC146	SW128		Time of Concentration	0.007	100	10	110	0.008
BC147	SW128		Time of Concentration	0.006	100	10	110	0.007
BC148	SW110		Time of Concentration	0.007	100	10	110	0.008
BC149	SW110		Time of Concentration	0.006	100	10	110	0.006
BC150	SW99		Time of Concentration	0.006	100	10	110	0.007
BC151	SW99		Time of Concentration	0.006	100	10	110	0.007
BC152	SW99		Time of Concentration	0.007	100	10	110	0.007
BC153	PP8		Time of Concentration	0.010	100	10	110	0.011
BC154	SW103		Time of Concentration	0.006	100	10	110	0.007
BC155	SW103		Time of Concentration	0.006	100	10	110	0.006
BC156	SW103		Time of Concentration	0.006	100	10	110	0.006
BC157	SW110		Time of Concentration	0.006	100	10	110	0.007
BC158	SW110		Time of Concentration	0.006	100	10	110	0.007
BC159	SW112		Time of Concentration	0.007	100	10	110	0.008
BC160	SW112		Time of Concentration	0.006	100	10	110	0.007
BC161	SW95		Time of Concentration	0.006	100	10	110	0.006
BC162	SW95		Time of Concentration	0.006	100	10	110	0.006
BC163	SW7		Time of Concentration	0.007	100	10	110	0.008
BC164	SW7		Time of Concentration	0.007	100	10	110	0.008
BC165	SW7		Time of Concentration	0.006	100	10	110	0.007
BC166	SW7		Time of Concentration	0.006	100	10	110	0.007
BC167	SW7		Time of Concentration	0.008	100	10	110	0.008
BC168	SW4		Time of Concentration	0.006	100	10	110	0.007
BC169	SW4		Time of Concentration	0.006	100	10	110	0.007
BC170	SW4		Time of Concentration	0.006	100	10	110	0.007

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BC171	SW4		Time of Concentration	0.014	100	10	110	0.015
BC172	SW4		Time of Concentration	0.008	100	10	110	0.009
BC173	SW2		Time of Concentration	0.006	100	10	110	0.006
BC174	SW2		Time of Concentration	0.006	100	10	110	0.006
BC175	SW1		Time of Concentration	0.006	100	10	110	0.006
BC176	SW1		Time of Concentration	0.006	100	10	110	0.006
BC177	SW6		Time of Concentration	0.010	100	10	110	0.011
BC178	SW6		Time of Concentration	0.010	100	10	110	0.011
BC179	SW5		Time of Concentration	0.006	100	10	110	0.006
BC180	SW5		Time of Concentration	0.006	100	10	110	0.006
BC181	SW5		Time of Concentration	0.006	100	10	110	0.006
BC182	SW32		Time of Concentration	0.011	100	10	110	0.013
BC183	SW32		Time of Concentration	0.012	100	10	110	0.014
BC184	SW31		Time of Concentration	0.014	100	10	110	0.016
BC185	SW31		Time of Concentration	0.010	100	10	110	0.011
BC186	SW28		Time of Concentration	0.012	100	10	110	0.013
BC187	SW28		Time of Concentration	0.011	100	10	110	0.013
BC188	SW28		Time of Concentration	0.006	100	10	110	0.007
BC189	SW28		Time of Concentration	0.006	100	10	110	0.006
BC190	SW27		Time of Concentration	0.005	100	10	110	0.005
BC191	SW27		Time of Concentration	0.006	100	10	110	0.007
BC192	SW27		Time of Concentration	0.005	100	10	110	0.006
BC193	SW27		Time of Concentration	0.007	100	10	110	0.008
BC194	SW27		Time of Concentration	0.006	100	10	110	0.006
BC195	SW27		Time of Concentration	0.006	100	10	110	0.007
BC196	SW28		Time of Concentration	0.006	100	10	110	0.007
BC197	SW28		Time of Concentration	0.011	100	10	110	0.012
BC198	SW28		Time of Concentration	0.012	100	10	110	0.013
BC199	SW26		Time of Concentration	0.012	100	10	110	0.013
BC200	SW26		Time of Concentration	0.011	100	10	110	0.012
BC201	SW25		Time of Concentration	0.014	100	10	110	0.015
BC202	SW25		Time of Concentration	0.011	100	10	110	0.012
BC203	SW21		Time of Concentration	0.011	100	10	110	0.012
BC204	SW20		Time of Concentration	0.013	100	10	110	0.015
BC205	SW18		Time of Concentration	0.012	100	10	110	0.013

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BC206	SW18		Time of Concentration	0.007	100	10	110	0.007
BC207	SW18		Time of Concentration	0.006	100	10	110	0.006
BC208	SW17		Time of Concentration	0.005	100	10	110	0.006
BC209	SW17		Time of Concentration	0.007	100	10	110	0.008
BC210	SW17		Time of Concentration	0.007	100	10	110	0.007
BC211	SW18		Time of Concentration	0.006	100	10	110	0.006
BC212	SW18		Time of Concentration	0.010	100	10	110	0.011
BC213	SW20		Time of Concentration	0.010	100	10	110	0.011
BC214	SW20		Time of Concentration	0.006	100	10	110	0.006
BC215	SW20		Time of Concentration	0.012	100	10	110	0.013
BC216	SW14		Time of Concentration	0.016	100	10	110	0.017
BC217	SW13		Time of Concentration	0.013	100	10	110	0.014
BC218	SW12		Time of Concentration	0.013	100	10	110	0.014
BC219	SW11		Time of Concentration	0.012	100	10	110	0.014
BC220	SW9		Time of Concentration	0.006	100	10	110	0.006
BC221	SW9		Time of Concentration	0.006	100	10	110	0.006
BC222	SW9		Time of Concentration	0.007	100	10	110	0.008
BC223	SW9		Time of Concentration	0.006	100	10	110	0.006
BC224	SW8		Time of Concentration	0.006	100	10	110	0.006
BC225	SW17		Time of Concentration	0.010	100	10	110	0.011
BC226	SW17		Time of Concentration	0.009	100	10	110	0.010
BC227	SW8		Time of Concentration	0.008	100	10	110	0.009
BC228	SW8		Time of Concentration	0.005	100	10	110	0.006
BC229	SW8		Time of Concentration	0.006	100	10	110	0.007
BC230	SW11		Time of Concentration	0.007	100	10	110	0.008
BC231	SW117		Time of Concentration	0.008	100	10	110	0.009
BC232	SW117		Time of Concentration	0.011	100	10	110	0.012
BC233	SW118		Time of Concentration	0.011	100	10	110	0.012
BC234	SW119		Time of Concentration	0.010	100	10	110	0.010
BC235	SW119		Time of Concentration	0.009	100	10	110	0.010
BC236	SW119		Time of Concentration	0.012	100	10	110	0.013
BC237	SW119		Time of Concentration	0.008	100	10	110	0.008
BC238	SW119		Time of Concentration	0.011	100	10	110	0.012
BC239	SW119		Time of Concentration	0.014	100	10	110	0.015
BC240	SW119		Time of Concentration	0.012	100	10	110	0.013

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BC241	SW118		Time of Concentration	0.013	100	10	110	0.014
BC242	SW118		Time of Concentration	0.013	100	10	110	0.014
BC243	SW118		Time of Concentration	0.013	100	10	110	0.014
BC244	SW120		Time of Concentration	0.013	100	10	110	0.014
BC245	SW120		Time of Concentration	0.011	100	10	110	0.012
BC246	SW121		Time of Concentration	0.015	100	10	110	0.016
BC247	SW121		Time of Concentration	0.014	100	10	110	0.015
BC248	SW121		Time of Concentration	0.006	100	10	110	0.007
BC249	SW121		Time of Concentration	0.006	100	10	110	0.006
BC250	SW121		Time of Concentration	0.006	100	10	110	0.006
BC251	SW125		Time of Concentration	0.006	100	10	110	0.007
BC252	SW125		Time of Concentration	0.006	100	10	110	0.007
BC253	SW120		Time of Concentration	0.006	100	10	110	0.006
BC254	SW120		Time of Concentration	0.006	100	10	110	0.006
BC255	SW121		Time of Concentration	0.010	100	10	110	0.011
BC256	SW121		Time of Concentration	0.006	100	10	110	0.007
BC257	SW121		Time of Concentration	0.006	100	10	110	0.007
BC258	SW122		Time of Concentration	0.008	100	10	110	0.009
BC259	SW122		Time of Concentration	0.006	100	10	110	0.006
BC260	SW133		Time of Concentration	0.012	100	10	110	0.014
FCA.1_1	SW123		Time of Concentration	0.005	100	0	100	0.005
FCA.1_2	SW123		Time of Concentration	0.006	100	0	100	0.006
FCA.1_3	SW133		Time of Concentration	0.006	100	0	100	0.006
FCA.1_4	SW132		Time of Concentration	0.006	100	0	100	0.006
FCA.1_5	SW132		Time of Concentration	0.006	100	0	100	0.006
FCA.1_6	SW132		Time of Concentration	0.006	100	0	100	0.006
FCA.1_7	SW125		Time of Concentration	0.004	100	0	100	0.004
FCA.1_8	SW125		Time of Concentration	0.004	100	0	100	0.004
FCA.1_9	SW124		Time of Concentration	0.005	100	0	100	0.005
FCA.1_10	SW124		Time of Concentration	0.005	100	0	100	0.005
FCA.2_1	SW123		Time of Concentration	0.010	100	0	100	0.010
FCA.2_2	SW122		Time of Concentration	0.005	100	0	100	0.005
FCA.2_3	SW122		Time of Concentration	0.004	100	0	100	0.004
FCA.2_4	SW122		Time of Concentration	0.006	100	0	100	0.006
FCA.2_5	SW122		Time of Concentration	0.006	100	0	100	0.006

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FCA.3_1	SW134		Time of Concentration	0.007	100	0	100	0.007
FCA.3_2	SW134		Time of Concentration	0.006	100	0	100	0.006
FCA.3_3	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.3_4	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.3_5	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.3_6	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.3_7	SW134		Time of Concentration	0.007	100	0	100	0.007
FCA.3_8	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.3_9	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.3_10	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.3_11	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.3_12	SW134		Time of Concentration	0.005	100	0	100	0.005
FCA.4_1	SW135		Time of Concentration	0.005	100	0	100	0.005
FCA.4_2	SW135		Time of Concentration	0.005	100	0	100	0.005
FCA.4_3	SW135		Time of Concentration	0.005	100	0	100	0.005
FCA.4_4	SW135		Time of Concentration	0.006	100	0	100	0.006
FCA.4_5	SW135		Time of Concentration	0.007	100	0	100	0.007
FCA.4_6	SW135		Time of Concentration	0.004	100	0	100	0.004
FCA.4_7	SW135		Time of Concentration	0.003	100	0	100	0.003
FCA.4_8	SW135		Time of Concentration	0.003	100	0	100	0.003
FCA.4_9	SW135		Time of Concentration	0.002	100	0	100	0.002
FCB1	SW135		Time of Concentration	0.007	100	0	100	0.007
FCB2	SW135		Time of Concentration	0.004	100	0	100	0.004
FCB3	SW135		Time of Concentration	0.005	100	0	100	0.005
FCB4	SW135		Time of Concentration	0.004	100	0	100	0.004
FCB5	SW135		Time of Concentration	0.005	100	0	100	0.005
FCB6	SW135		Time of Concentration	0.004	100	0	100	0.004
FCB7	SW135		Time of Concentration	0.004	100	0	100	0.004
FCB8	SW135		Time of Concentration	0.003	100	0	100	0.003
FCB9	SW135		Time of Concentration	0.005	100	0	100	0.005
FCB10	SW135		Time of Concentration	0.005	100	0	100	0.005
FCB11	SW133		Time of Concentration	0.007	100	0	100	0.007
FCC1	SW115		Time of Concentration	0.013	100	0	100	0.013
FCC2	SW115		Time of Concentration	0.012	100	0	100	0.012
FCC3	SW115		Time of Concentration	0.007	100	0	100	0.007

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FCC4	SW115		Time of Concentration	0.011	100	0	100	0.011
FCD1	SW114		Time of Concentration	0.007	100	0	100	0.007
FCD2	SW114		Time of Concentration	0.006	100	0	100	0.006
FCD3	BR10		Time of Concentration	0.006	100	0	100	0.006
FCD4	SW106		Time of Concentration	0.005	100	0	100	0.005
FCD5	BR10		Time of Concentration	0.006	100	0	100	0.006
FCD6	SW107		Time of Concentration	0.008	100	0	100	0.008
FCE1	SW24		Time of Concentration	0.012	100	0	100	0.012
FCE2	BR15		Time of Concentration	0.010	100	0	100	0.010
FCE3	SW112		Time of Concentration	0.007	100	0	100	0.007
FCE4	SW111		Time of Concentration	0.006	100	0	100	0.006
FCF1	SW115		Time of Concentration	0.014	100	0	100	0.014
FCF2	BR06		Time of Concentration	0.009	100	0	100	0.009
FCF3	BR06		Time of Concentration	0.013	100	0	100	0.013
FCF4	BR06		Time of Concentration	0.011	100	0	100	0.011
FCF5	BR06		Time of Concentration	0.007	100	0	100	0.007
FPC1	SW80		Time of Concentration	0.005	100	0	100	0.005
FPC2	SW80		Time of Concentration	0.006	100	0	100	0.006
FPC3	SW77		Time of Concentration	0.001	100	0	100	0.001
FPC4	SW65		Time of Concentration	0.010	100	0	100	0.010
FPC5	SW90		Time of Concentration	0.006	100	0	100	0.006
FPC6	SW60		Time of Concentration	0.023	100	0	100	0.023
FPC7	SW85		Time of Concentration	0.008	100	0	100	0.008
FPC8	SW64		Time of Concentration	0.008	100	0	100	0.008
FPC9	SW53		Time of Concentration	0.004	100	0	100	0.004
FPC10	SW42		Time of Concentration	0.012	100	0	100	0.012
FPC11	SW46		Time of Concentration	0.014	100	0	100	0.014
FPC12	BR02		Time of Concentration	0.012	100	0	100	0.012
FPC13	BR04		Time of Concentration	0.014	100	0	100	0.014
FPC14	BR05		Time of Concentration	0.007	100	0	100	0.007
FPC15	SW115		Time of Concentration	0.006	100	0	100	0.006
FPC16	SW38		Time of Concentration	0.004	100	0	100	0.004
FPC17	SW33		Time of Concentration	0.025	100	0	100	0.025
FPC18	SW29		Time of Concentration	0.005	100	0	100	0.005
FPC19	SW43		Time of Concentration	0.007	100	0	100	0.007

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FPC20	SW113		Time of Concentration	0.006	100	0	100	0.006
FPC21	SW109		Time of Concentration	0.009	100	0	100	0.009
FPC22	SW101		Time of Concentration	0.002	100	0	100	0.002
FPC23	SW103		Time of Concentration	0.005	100	0	100	0.005
FPC24	SW103		Time of Concentration	0.002	100	0	100	0.002
FPC25	PP10		Time of Concentration	0.009	100	0	100	0.009
FPC26	SW36		Time of Concentration	0.005	100	0	100	0.005
FPC27	SW4		Time of Concentration	0.002	100	0	100	0.002
FPC28	SW4		Time of Concentration	0.003	100	0	100	0.003
FPC29	SW110		Time of Concentration	0.005	100	0	100	0.005
FPC30	SW128		Time of Concentration	0.006	100	0	100	0.006
FPC31	SW130		Time of Concentration	0.005	100	0	100	0.005
FPC32	SW36		Time of Concentration	0.004	100	0	100	0.004
FPC33	PP19		Time of Concentration	0.005	100	0	100	0.005
FPC34	PP21		Time of Concentration	0.004	100	0	100	0.004
FPC35	SW4		Time of Concentration	0.002	100	0	100	0.002
FPC36	PP21		Time of Concentration	0.002	100	0	100	0.002
FPC37	PP37		Time of Concentration	0.007	100	0	100	0.007
FPC37.1	PP37.1		Time of Concentration	0.005	100	0	100	0.005
FPC38	PP23		Time of Concentration	0.005	100	0	100	0.005
FPC39	SW128		Time of Concentration	0.013	100	0	100	0.013
FPC40	SW128		Time of Concentration	0.015	100	0	100	0.015
FPC41	SW126		Time of Concentration	0.007	100	0	100	0.007
FPC42	SW25		Time of Concentration	0.012	100	0	100	0.012
FPC43	BR12		Time of Concentration	0.011	100	0	100	0.011
FPC44	SW111		Time of Concentration	0.004	100	0	100	0.004
FPC45	BR11		Time of Concentration	0.006	100	0	100	0.006
FPC46	SW13		Time of Concentration	0.002	100	0	100	0.002
FPC47	SW8		Time of Concentration	0.007	100	0	100	0.007
FPC48	SW9		Time of Concentration	0.006	100	0	100	0.006
FPC49	PP25		Time of Concentration	0.004	100	0	100	0.004
FPC50	SW117		Time of Concentration	0.006	100	0	100	0.006
FPC51	SW119		Time of Concentration	0.002	100	0	100	0.002
FPC52	SW119		Time of Concentration	0.002	100	0	100	0.002
FPC53	SW119		Time of Concentration	0.001	100	0	100	0.001

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FPC54	SW121		Time of Concentration	0.007	100	0	100	0.007
FPC55	SW132		Time of Concentration	0.011	100	0	100	0.011
FPC56	SW126		Time of Concentration	0.017	100	0	100	0.017
FPC57	SW123		Time of Concentration	0.008	100	0	100	0.008
FPC58	SW133		Time of Concentration	0.013	100	0	100	0.013
FPC59	SW132		Time of Concentration	0.005	100	0	100	0.005
FPC60	SW135		Time of Concentration	0.008	100	0	100	0.008
FPC61	SW135		Time of Concentration	0.011	100	0	100	0.011
FPC62	SW87		Time of Concentration	0.008	100	0	100	0.008
FPC63	SW84		Time of Concentration	0.003	100	0	100	0.003
FPC64	SW82		Time of Concentration	0.003	100	0	100	0.003
FPC65	PP16		Time of Concentration	0.005	100	0	100	0.005
FPC66	PP15		Time of Concentration	0.001	100	0	100	0.001
PPC1	PP1		Time of Concentration	0.018	100	0	100	0.018
PPC2	PP2		Time of Concentration	0.022	100	0	100	0.022
PPC3	PP3		Time of Concentration	0.027	100	0	100	0.027
PPC4	PP4		Time of Concentration	0.020	100	0	100	0.020
PPC5	PP5		Time of Concentration	0.011	100	0	100	0.011
PPC6	PP6		Time of Concentration	0.010	100	0	100	0.010
PPC7	PP7		Time of Concentration	0.012	100	0	100	0.012
PPC8	PP8		Time of Concentration	0.004	100	0	100	0.004
PPC9	PP9		Time of Concentration	0.007	100	0	100	0.007
PPC10	PP10		Time of Concentration	0.011	100	0	100	0.011
PPC11	PP11		Time of Concentration	0.005	100	0	100	0.005
PPC12	PP12		Time of Concentration	0.004	100	0	100	0.004
PPC13	PP13		Time of Concentration	0.005	100	0	100	0.005
PPC14	PP14		Time of Concentration	0.004	100	0	100	0.004
PPC15	PP15		Time of Concentration	0.005	100	0	100	0.005
PPC16	PP16		Time of Concentration	0.004	100	0	100	0.004
PPC17	PP17		Time of Concentration	0.005	100	0	100	0.005
PPC18	PP18		Time of Concentration	0.002	100	0	100	0.002
PPC19	PP19		Time of Concentration	0.003	100	0	100	0.003
PPC20	PP20		Time of Concentration	0.004	100	0	100	0.004
PPC21	PP21		Time of Concentration	0.005	100	0	100	0.005
PPC22	PP22		Time of Concentration	0.005	100	0	100	0.005

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PPC23	SW16		Time of Concentration	0.013	100	0	100	0.013
PPC24	PP24		Time of Concentration	0.012	100	0	100	0.012
PPC25	SW10		Time of Concentration	0.024	100	0	100	0.024
RC1	SW78		Time of Concentration	0.027	100	0	100	0.027
RC2	SW73		Time of Concentration	0.026	100	0	100	0.026
RC3	SW65		Time of Concentration	0.038	100	0	100	0.038
RC4	SW73		Time of Concentration	0.014	100	0	100	0.014
RC5	SW68		Time of Concentration	0.033	100	0	100	0.033
RC6	SW72		Time of Concentration	0.014	100	0	100	0.014
RC7	SW94		Time of Concentration	0.029	100	0	100	0.029
RC8	SW93		Time of Concentration	0.040	100	0	100	0.040
RC9	SW88		Time of Concentration	0.055	100	0	100	0.055
RC10	SW87		Time of Concentration	0.049	100	0	100	0.049
RC11	SW83		Time of Concentration	0.019	100	0	100	0.019
RC12	SW55		Time of Concentration	0.022	100	0	100	0.022
RC13	SW59		Time of Concentration	0.017	100	0	100	0.017
RC14	SW57		Time of Concentration	0.049	100	0	100	0.049
RC15	SW60		Time of Concentration	0.024	100	0	100	0.024
RC16	SW62		Time of Concentration	0.053	100	0	100	0.053
RC17	SW63		Time of Concentration	0.020	100	0	100	0.020
RC18	SW50		Time of Concentration	0.034	100	0	100	0.034
RC19	SW38		Time of Concentration	0.054	100	0	100	0.054
RC20	SW51		Time of Concentration	0.030	100	0	100	0.030
RC21	SW44		Time of Concentration	0.060	100	0	100	0.060
RC22	SW48		Time of Concentration	0.082	100	0	100	0.082
RC23	SW30		Time of Concentration	0.037	100	0	100	0.037
RC24	SW43		Time of Concentration	0.034	100	0	100	0.034
RC25	SW22		Time of Concentration	0.036	100	0	100	0.036
RC26	SW24		Time of Concentration	0.039	100	0	100	0.039
RC27	SW113		Time of Concentration	0.053	100	0	100	0.053
RC28	SW114		Time of Concentration	0.079	100	0	100	0.079
RC29	SW98		Time of Concentration	0.039	100	0	100	0.039
RC30	SW98		Time of Concentration	0.042	100	0	100	0.042
RC31	SW95		Time of Concentration	0.031	100	0	100	0.031
RC32	SW99		Time of Concentration	0.049	100	0	100	0.049

5015560: One Horton Heath	Date: 29/09/2022		
	Designed by:	Checked by:	Approved By:
	BT		
Report Details: Type: Inflow Summary Storm Phase: Main Surface Water		Ridge:	

RC33	SW100		Time of Concentration	0.017	100	0	100	0.017
RC34	SW101		Time of Concentration	0.034	100	0	100	0.034
RC35	SW102		Time of Concentration	0.036	100	0	100	0.036
RC36	SW104		Time of Concentration	0.014	100	0	100	0.014
RC37	SW105		Time of Concentration	0.017	100	0	100	0.017
RC38	SW106		Time of Concentration	0.012	100	0	100	0.012
RC39	SW97		Time of Concentration	0.017	100	0	100	0.017
RC40	SW97		Time of Concentration	0.013	100	0	100	0.013
RC41	PP10		Time of Concentration	0.014	100	0	100	0.014
RC42	SW110		Time of Concentration	0.019	100	0	100	0.019
RC43	SW108		Time of Concentration	0.017	100	0	100	0.017
RC44	SW107		Time of Concentration	0.026	100	0	100	0.026
RC45	SW106		Time of Concentration	0.004	100	0	100	0.004
RC46	BR08		Time of Concentration	0.009	100	0	100	0.009
RC47	SW102		Time of Concentration	0.010	100	0	100	0.010
RC48	SW100		Time of Concentration	0.001	100	0	100	0.001
RC49	SW98		Time of Concentration	0.003	100	0	100	0.003
RC50	SW133		Time of Concentration	0.005	100	0	100	0.005
RC51	SW96		Time of Concentration	0.002	100	0	100	0.002
RC52	SW95		Time of Concentration	0.003	100	0	100	0.003
RC53	SW95		Time of Concentration	0.003	100	0	100	0.003
RC54	PP9		Time of Concentration	0.006	100	0	100	0.006
RC55	SW98		Time of Concentration	0.002	100	0	100	0.002
RC56	SW6		Time of Concentration	0.047	100	0	100	0.047
RC57	SW5		Time of Concentration	0.046	100	0	100	0.046
RC58	SW35		Time of Concentration	0.009	100	0	100	0.009
RC59	SW32		Time of Concentration	0.029	100	0	100	0.029
RC60	SW27		Time of Concentration	0.038	100	0	100	0.038
RC61	SW28		Time of Concentration	0.031	100	0	100	0.031
RC62	SW26		Time of Concentration	0.017	100	0	100	0.017
RC63	SW25		Time of Concentration	0.028	100	0	100	0.028
RC64	SW17		Time of Concentration	0.023	100	0	100	0.023
RC65	SW18		Time of Concentration	0.028	100	0	100	0.028
RC66	SW20		Time of Concentration	0.016	100	0	100	0.016
RC67	SW15		Time of Concentration	0.023	100	0	100	0.023

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Report Details: Type: Inflow Summary Storm Phase: Main Surface Water		Ridge:			

RC68	SW112		Time of Concentration	0.021	100	0	100	0.021
RC69	SW11		Time of Concentration	0.021	100	0	100	0.021
RC70	SW8		Time of Concentration	0.046	100	0	100	0.046
RC71	SW11		Time of Concentration	0.019	100	0	100	0.019
RC72	SW117		Time of Concentration	0.022	100	0	100	0.022
RC73	SW118		Time of Concentration	0.027	100	0	100	0.027
RC74	SW118		Time of Concentration	0.020	100	0	100	0.020
RC75	SW120		Time of Concentration	0.024	100	0	100	0.024
RC76	SW121		Time of Concentration	0.022	100	0	100	0.022
RC77	SW120		Time of Concentration	0.031	100	0	100	0.031
RC78	SW122		Time of Concentration	0.022	100	0	100	0.022
RC79	SW123		Time of Concentration	0.018	100	0	100	0.018
RC80	SW123		Time of Concentration	0.031	100	0	100	0.031
RC81	SW123		Time of Concentration	0.046	100	0	100	0.046
RC82	SW126		Time of Concentration	0.022	100	0	100	0.022
RC83	SW130		Time of Concentration	0.043	100	0	100	0.043
RC84	SW134		Time of Concentration	0.060	100	0	100	0.060
RC85	SW134		Time of Concentration	0.046	100	0	100	0.046
RC86	SW135		Time of Concentration	0.014	100	0	100	0.014
TOTAL		0.0		5.625				5.835

5015560: One Horton Heath	Date: 29/09/2022		
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Report Details: Type: Network Design Criteria Storm Phase: Main Surface Water	Ridge:		



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)	1.0
Region	England and Wales
M5-60 (mm)	19.8
Ratio R	0.350

Pipe Options

Lock Slope Options	None
Design Level	Level Soffits
Min. Cover Depth (m)	1.200
Min. Slope (1:x)	500.00
Max. Slope (1:x)	5.00
Min. Backdrop (m)	0.500
Max. Backdrop (m)	1.500
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☐
Reduce Channel Depths	☐

Pipe Size Library

Default

Add. Increment (mm)	75
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Diameter (mm)	Min. Slope (1:x)	Max. Slope (1:x)
100	80.00	5.00
150	150.00	5.00
225	225.00	5.00

5015560: One Horton Heath	Date: 29/09/2022		
	Designed by: BT	Checked by:	Approved By:
Report Details: Type: Network Design Criteria Storm Phase: Main Surface Water	Ridge:		



Manhole Options

Apply Offset	☐
Synchronise Manhole Invert Levels	☒

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

5015560: One Horton Heath	Date: 29/09/2022			
	Designed by: BT	Checked by:	Approved By:	
Report Details: Type: Outfall Details Storm Phase: Main Surface Water	Ridge:			

Outfalls

Outfall	Outfall Type	Fixed Surcharged Level (m)	Level Curve
BR02	Free Discharge		
BR07	Free Discharge		
BR15	Free Discharge		
BR19	Free Discharge		
BASIN J	Free Discharge		
SW135	Free Discharge		
SW94	Free Discharge		
SW116	Free Discharge		
Manhole (3)	Free Discharge		
Manhole (4)	Free Discharge		

5015560: One Horton Heath	Date: 29/09/2022			
	Designed by: BT	Checked by:	Approved By:	
Report Title: Rainfall Analysis Criteria	Ridge:			

Runoff Type	Dynamic
Output Interval (mins)	1
Time Step	Default
Urban Creep	Use Catchment Values
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall	
FSR	Type: FSR

Region	England and Wales
M5-60 (mm)	19.8
Ratio R	0.350
Summer	☒
Winter	☒

Return Period	
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Return Period (years)	Increase Rainfall (%)
1.0	0
30.0	0
100.0	0
100.0	40

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

5015560: One Horton Heath	Date: 29/09/2022		
	Designed by: BT	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Main Surface Water	Ridge:		



FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item

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
SW8	FSR: 1 years: +0 %: 15 mins: Winter	28.17 9	26.67 9	26.719	0.040	10.9	0.045	0.000	10.8	5.042	OK
SW119	FSR: 1 years: +0 %: 15 mins: Winter	27.93 6	26.63 6	26.688	0.052	11.8	0.059	0.000	11.5	5.455	OK
SW10	FSR: 1 years: +0 %: 30 mins: Winter	27.55 7	25.95 7	26.296	0.339	3.4	0.383	0.000	2.1	2.092	Surcharged
SW9	FSR: 1 years: +0 %: 30 mins: Winter	27.50 4	25.75 4	26.295	0.541	12.0	2.658	0.000	4.5	11.038	Surcharged
SW121	FSR: 1 years: +0 %: 15 mins: Winter	26.93 1	25.63 1	25.687	0.056	13.8	0.064	0.000	13.5	6.376	OK
SW127	FSR: 1 years: +0 %: 15 mins: Winter	24.30 8	22.81 5	22.997	0.182	109.1	0.206	0.000	109.5	51.566	OK
SW122	FSR: 1 years: +0 %: 15 mins: Winter	26.66 4	25.36 4	25.407	0.043	7.7	0.049	0.000	7.7	3.566	OK
SW123	FSR: 1 years: +0 %: 15 mins: Winter	26.20 8	24.90 8	24.989	0.081	24.3	0.091	0.000	24.1	11.240	OK
SW124	FSR: 1 years: +0 %: 15 mins: Winter	25.98 3	24.63 3	24.720	0.086	25.3	0.098	0.000	25.1	11.831	OK
SW125	FSR: 1 years: +0 %: 15 mins: Winter	25.82 1	24.42 0	24.503	0.083	28.1	0.094	0.000	27.9	13.197	OK
SW128	FSR: 1 years: +0 %: 15 mins: Winter	25.09 3	23.64 3	23.706	0.064	11.4	0.072	0.000	11.2	5.252	OK
SW11	FSR: 1 years: +0 %: 15 mins: Winter	26.57 3	25.22 3	25.275	0.052	12.3	0.059	0.000	12.1	9.642	OK
SW117	FSR: 1 years: +0 %: 15 mins: Winter	26.52 7	25.22 7	25.279	0.052	6.5	0.059	0.000	6.4	3.012	OK
SW12	FSR: 1 years: +0 %: 15 mins: Winter	26.26 4	24.88 1	24.940	0.060	13.9	0.068	0.000	13.9	10.409	OK
SW118	FSR: 1 years: +0 %: 15 mins: Winter	26.16 3	24.81 3	24.904	0.091	31.2	0.102	0.000	30.6	14.598	OK
SW13	FSR: 1 years: +0 %: 15 mins: Winter	26.10 9	24.75 4	24.815	0.062	16.0	0.070	0.000	16.0	11.355	OK
SW17	FSR: 1 years: +0 %: 15 mins: Winter	26.02 6	23.92 6	24.235	0.309	10.5	0.349	0.000	6.7	4.860	OK
SW16	FSR: 1 years: +0 %: 15 mins: Winter	26.01 2	24.63 2	24.652	0.020	1.8	0.023	0.000	1.7	0.815	OK
SW14	FSR: 1 years: +0 %: 15 mins: Winter	25.94 3	24.59 3	24.648	0.055	18.2	0.062	0.000	18.3	12.320	OK
SW18	FSR: 1 years: +0 %: 15 mins: Winter	25.80 6	23.80 6	24.234	0.429	16.0	1.485	0.000	9.5	9.168	Surcharged
SW19	FSR: 1 years: +0 %: 60 mins: Winter	25.75 7	24.25 7	24.270	0.012	0.5	0.014	0.000	0.5	1.139	OK
SW20	FSR: 1 years: +0 %: 15 mins: Winter	25.46 3	23.68 0	23.772	0.092	16.6	0.104	0.000	16.5	12.718	OK
SW2	FSR: 1 years: +0 %: 15 mins: Winter	25.37 7	24.75 1	24.797	0.046	3.4	0.052	0.000	3.3	1.584	OK
SW1	FSR: 1 years: +0 %: 15 mins: Winter	25.23 2	24.87 8	24.909	0.031	1.7	0.035	0.000	1.7	0.790	OK
SW120	FSR: 1 years: +0 %: 15 mins: Winter	25.22 7	23.80 2	23.922	0.121	84.2	0.136	0.000	84.4	39.956	OK
SW110	FSR: 1 years: +0 %: 15 mins: Winter	25.21 2	23.94 1	23.993	0.052	6.9	0.059	0.000	6.8	3.191	OK
SW15	FSR: 1 years: +0 %: 15 mins: Winter	25.15 3	23.35 8	23.434	0.076	37.7	0.086	0.000	37.7	26.372	OK
SW111	FSR: 1 years: +0 %: 15 mins: Winter	25.09 6	23.54 6	23.615	0.069	9.5	0.078	0.000	9.4	4.454	OK
SW112	FSR: 1 years: +0 %: 15 mins: Winter	25.01 5	23.50 0	23.572	0.072	15.3	0.081	0.000	15.3	7.241	OK
SW21	FSR: 1 years: +0 %: 15 mins: Winter	24.93 3	21.83 2	22.002	0.170	54.0	0.192	0.000	53.9	33.818	OK

5015560: One Horton Heath		Date: 29/09/2022			
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SW27	FSR: 1 years: +0 %: 15 mins: Winter	24.84 7	22.99 7	23.040	0.043	10.3	0.109	0.000	10.1	4.801	OK
SW126	FSR: 1 years: +0 %: 15 mins: Winter	24.56 6	23.14 1	23.274	0.133	90.2	0.151	0.000	90.6	42.806	OK
SW109	FSR: 1 years: +0 %: 15 mins: Winter	24.56 3	21.87 7	22.104	0.227	86.1	0.325	0.000	86.9	44.611	OK
SW95	FSR: 1 years: +0 %: 15 mins: Winter	24.47 1	23.20 0	23.254	0.054	8.8	0.061	0.000	8.7	4.051	OK
SW6	FSR: 1 years: +0 %: 15 mins: Winter	24.46 6	22.61 7	22.698	0.082	12.1	0.092	0.000	11.8	6.791	OK
SW130	FSR: 1 years: +0 %: 15 mins: Winter	24.40 9	23.10 9	23.152	0.043	6.4	0.049	0.000	6.3	2.943	OK
SW97	FSR: 1 years: +0 %: 60 mins: Winter	24.40 6	23.04 5	23.772	0.727	6.4	0.822	0.000	2.7	10.793	Surcharged
SW25	FSR: 1 years: +0 %: 15 mins: Winter	24.39 6	21.74 5	21.918	0.173	66.2	0.196	0.000	66.0	39.563	OK
SW108	FSR: 1 years: +0 %: 30 mins: Winter	24.37 3	23.02 1	23.267	0.246	2.4	0.278	0.000	1.1	2.208	Surcharged
SW129	FSR: 1 years: +0 %: 15 mins: Winter	24.36 7	22.95 3	23.026	0.073	17.5	0.083	0.000	17.3	8.183	OK
SW107	FSR: 1 years: +0 %: 15 mins: Winter	24.34 5	21.97 2	22.172	0.200	69.3	0.226	0.000	69.7	36.224	OK
SW96	FSR: 1 years: +0 %: 15 mins: Winter	24.30 6	22.95 1	23.010	0.059	10.8	0.067	0.000	10.8	7.170	OK
SW24	FSR: 1 years: +0 %: 15 mins: Winter	24.28 4	21.99 9	22.069	0.070	12.9	0.079	0.000	12.7	6.072	OK
SW28	FSR: 1 years: +0 %: 15 mins: Winter	24.22 4	22.02 4	22.405	0.381	23.9	1.871	0.000	13.7	11.011	Surcharged
SW105	FSR: 1 years: +0 %: 15 mins: Winter	24.18 8	22.04 0	22.234	0.195	64.8	0.220	0.000	64.6	32.920	OK
SW131	FSR: 1 years: +0 %: 15 mins: Winter	24.16 6	22.66 6	22.876	0.210	110.3	0.238	0.000	110.5	51.955	OK
SW132	FSR: 1 years: +0 %: 15 mins: Winter	24.11 2	22.61 2	22.811	0.199	115.7	0.225	0.000	116.0	54.456	OK
SW98	FSR: 1 years: +0 %: 15 mins: Winter	24.08 9	22.71 0	22.820	0.110	29.2	0.124	0.000	29.1	15.729	OK
SW103	FSR: 1 years: +0 %: 15 mins: Winter	24.01 4	22.15 0	22.318	0.168	61.0	0.190	0.000	60.3	30.722	OK
SW23	FSR: 1 years: +0 %: 15 mins: Winter	23.99 2	22.13 6	22.181	0.044	6.2	0.050	0.000	6.1	2.885	OK
SW99	FSR: 1 years: +0 %: 15 mins: Winter	23.97 6	22.43 1	22.559	0.127	45.8	0.144	0.000	46.2	23.620	OK
SW133	FSR: 1 years: +0 %: 15 mins: Winter	23.96 3	22.46 3	22.663	0.199	123.0	0.225	0.000	123.2	57.874	OK
SW106	FSR: 1 years: +0 %: 15 mins: Winter	23.94 0	22.14 0	22.235	0.095	2.9	0.108	0.000	2.4	1.314	OK
SW100	FSR: 1 years: +0 %: 15 mins: Winter	23.86 7	22.59 6	22.642	0.046	8.2	0.052	0.000	8.1	3.785	OK
SW101	FSR: 1 years: +0 %: 15 mins: Winter	23.84 9	22.23 8	22.411	0.173	56.4	0.440	0.000	56.0	28.439	OK
SW102	FSR: 1 years: +0 %: 15 mins: Winter	23.76 1	22.31 1	22.414	0.103	6.1	0.262	0.000	5.6	2.821	OK
SW104	FSR: 1 years: +0 %: 15 mins: Winter	23.73 0	22.45 9	22.483	0.025	1.8	0.028	0.000	1.8	0.831	OK
SW114	FSR: 1 years: +0 %: 15 mins: Winter	23.70 5	21.60 5	21.866	0.261	113.6	0.295	0.000	113.3	59.305	OK
SW113	FSR: 1 years: +0 %: 15 mins: Winter	23.68 5	21.76 1	21.953	0.192	96.2	0.275	0.000	96.2	49.950	OK
SW5	FSR: 1 years: +0 %: 15 mins: Winter	23.66 8	22.78 2	22.977	0.195	8.6	0.221	0.000	2.9	4.332	OK
SW22	FSR: 1 years: +0 %: 15 mins: Winter	23.60 9	22.30 9	22.356	0.046	6.3	0.052	0.000	6.2	2.892	OK
SW26	FSR: 1 years: +0 %: 15 mins: Winter	23.60 2	21.58 3	21.798	0.215	90.8	0.308	0.000	89.8	55.676	OK
SW30	FSR: 1 years: +0 %: 15 mins: Winter	23.50 6	21.84 9	21.887	0.038	7.0	0.043	0.000	6.8	3.269	OK
SW115	FSR: 1 years: +0 %: 15 mins: Winter	23.44 7	21.42 1	21.600	0.179	130.2	0.202	0.000	128.6	69.007	OK
SW135	FSR: 1 years: +0 %: 15 mins: Winter	23.40 0	21.60 0	21.756	0.156	160.1	0.000	0.000	160.1	75.914	OK

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SW29	FSR: 1 years: +0 %: 15 mins: Winter	23.33 9	22.00 0	22.031	0.031	2.1	0.035	0.000	2.0	0.968	OK
SW43	FSR: 1 years: +0 %: 15 mins: Winter	23.26 6	21.68 6	21.726	0.040	6.6	0.057	0.000	6.5	3.090	OK
SW55	FSR: 1 years: +0 %: 15 mins: Winter	23.13 3	21.86 2	21.903	0.041	3.5	0.046	0.000	3.4	1.600	OK
SW31	FSR: 1 years: +0 %: 15 mins: Winter	23.13 1	21.52 3	21.678	0.156	95.2	0.223	0.000	95.7	58.636	OK
SW81	FSR: 1 years: +0 %: 120 mins: Winter	23.12 2	21.90 6	21.938	0.032	0.2	0.036	0.000	0.2	0.491	OK
SW56	FSR: 1 years: +0 %: 15 mins: Winter	23.06 5	21.77 0	21.817	0.047	3.4	0.053	0.000	3.4	1.593	OK
SW58	FSR: 1 years: +0 %: 15 mins: Summer	22.98 9	21.71 8	21.718	0.000	0.0	0.000	0.000	0.0	0.000	OK
SW82	FSR: 1 years: +0 %: 120 mins: Winter	22.98 6	21.72 0	21.938	0.218	1.2	0.247	0.000	0.4	1.150	Surcharged
SW45	FSR: 1 years: +0 %: 15 mins: Winter	22.97 1	21.62 1	21.664	0.043	4.0	0.049	0.000	3.9	1.827	OK
SW34	FSR: 1 years: +0 %: 15 mins: Winter	22.93 6	21.49 0	21.660	0.170	8.2	0.590	0.000	6.1	3.023	OK
SW84	FSR: 1 years: +0 %: 120 mins: Winter	22.90 8	21.61 9	21.938	0.319	1.2	0.361	0.000	0.4	1.730	Surcharged
SW83	FSR: 1 years: +0 %: 120 mins: Winter	22.88 2	21.48 9	21.938	0.449	1.9	0.508	0.000	1.4	5.817	Surcharged
SW57	FSR: 1 years: +0 %: 15 mins: Winter	22.87 1	21.54 0	21.590	0.050	9.9	0.057	0.000	9.8	4.626	OK
SW32	FSR: 1 years: +0 %: 15 mins: Winter	22.84 9	21.27 4	21.423	0.149	103.2	0.213	0.000	103.7	62.888	OK
SW44	FSR: 1 years: +0 %: 15 mins: Winter	22.82 1	21.27 5	21.343	0.069	23.1	0.099	0.000	22.6	10.805	OK
SW86	FSR: 1 years: +0 %: 120 mins: Winter	22.72 8	21.33 2	21.938	0.606	1.5	0.685	0.000	0.8	3.907	Surcharged
SW85	FSR: 1 years: +0 %: 120 mins: Winter	22.66 9	21.20 3	21.938	0.735	2.7	0.831	0.000	1.1	13.542	Surcharged
SW59	FSR: 1 years: +0 %: 15 mins: Winter	22.62 6	20.71 5	20.813	0.098	22.4	0.111	0.000	22.6	10.648	OK
SW87	FSR: 1 years: +0 %: 15 mins: Winter	22.54 0	21.11 7	21.194	0.077	12.5	0.087	0.000	12.3	6.685	OK
SW61	FSR: 1 years: +0 %: 15 mins: Winter	22.53 8	20.75 9	20.848	0.089	10.7	0.101	0.000	10.6	4.980	OK
SW48	FSR: 1 years: +0 %: 15 mins: Winter	22.53 3	20.78 2	20.863	0.081	12.4	0.091	0.000	12.1	5.704	OK
SW33	FSR: 1 years: +0 %: 15 mins: Winter	22.40 8	20.83 3	21.027	0.194	110.1	0.278	0.000	110.2	67.631	OK
SW60	FSR: 1 years: +0 %: 15 mins: Winter	22.17 5	20.90 4	20.986	0.081	10.8	0.092	0.000	10.7	4.992	OK
SW47	FSR: 1 years: +0 %: 15 mins: Summer	22.26 3	20.99 2	20.992	0.000	0.0	0.000	0.000	0.0	0.000	OK
SW35	FSR: 1 years: +0 %: 15 mins: Winter	22.19 9	20.62 4	20.857	0.234	112.0	0.334	0.000	111.8	68.531	OK
SW88	FSR: 1 years: +0 %: 15 mins: Winter	22.18 4	20.84 3	20.925	0.083	29.3	0.093	0.000	28.8	14.370	OK
SW52	FSR: 1 years: +0 %: 15 mins: Winter	22.11 4	20.84 3	20.883	0.040	3.9	0.046	0.000	3.7	1.775	OK
SW46	FSR: 1 years: +0 %: 15 mins: Winter	22.09 4	20.50 9	20.611	0.102	40.4	0.146	0.000	40.4	19.104	OK
SW36	FSR: 1 years: +0 %: 15 mins: Winter	22.08 9	20.51 4	20.798	0.284	112.7	0.406	0.000	112.0	68.760	OK
SW39	FSR: 1 years: +0 %: 15 mins: Winter	22.06 9	20.11 2	20.207	0.096	14.3	0.108	0.000	14.2	6.677	OK
SW63	FSR: 1 years: +0 %: 15 mins: Winter	21.97 6	20.70 5	20.755	0.051	6.7	0.058	0.000	6.6	3.109	OK
SW62	FSR: 1 years: +0 %: 15 mins: Winter	21.96 8	20.46 3	20.566	0.103	35.7	0.116	0.000	36.0	16.991	OK
SW94	FSR: 1 years: +0 %: 15 mins: Winter	21.90 0	19.56 6	19.716	0.150	45.2	0.000	0.000	45.1	23.350	OK
SW90	FSR: 1 years: +0 %: 15 mins: Winter	21.86 6	20.65 0	20.686	0.036	4.3	0.041	0.000	4.2	1.955	OK
SW91	FSR: 1 years: +0 %: 60 mins: Winter	21.81 5	20.03 0	20.477	0.448	3.1	0.506	0.000	1.4	6.888	Surcharged

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SW50	FSR: 1 years: +0 %: 15 mins: Winter	21.76 6	20.41 6	20.460	0.044	4.5	0.050	0.000	4.4	2.092	OK
SW49	FSR: 1 years: +0 %: 15 mins: Winter	21.67 8	20.13 1	20.257	0.125	50.0	0.179	0.000	50.2	23.745	OK
SW93	FSR: 1 years: +0 %: 15 mins: Winter	21.57 4	19.81 8	19.912	0.094	9.0	0.106	0.000	8.7	5.393	OK
SW51	FSR: 1 years: +0 %: 15 mins: Winter	21.57 5	20.02 9	20.150	0.121	57.7	0.173	0.000	57.9	27.364	OK
SW89	FSR: 1 years: +0 %: 15 mins: Winter	21.56 5	19.73 4	19.905	0.171	41.0	0.193	0.000	41.5	21.562	OK
SW68	FSR: 1 years: +0 %: 15 mins: Winter	21.55 8	20.20 8	20.260	0.052	6.2	0.059	0.000	6.2	2.881	OK
SW38	FSR: 1 years: +0 %: 15 mins: Winter	21.55 1	20.28 0	20.365	0.085	12.4	0.096	0.000	12.2	5.732	OK
SW92	FSR: 1 years: +0 %: 60 mins: Winter	21.52 9	20.20 2	20.478	0.276	1.2	0.312	0.000	1.1	2.315	Surcharged
SW71	FSR: 1 years: +0 %: 15 mins: Winter	21.49 6	20.22 4	20.271	0.047	7.0	0.053	0.000	7.0	3.244	OK
SW69	FSR: 1 years: +0 %: 15 mins: Winter	21.44 1	20.12 0	20.166	0.046	6.2	0.052	0.000	6.1	2.877	OK
SW70	FSR: 1 years: +0 %: 15 mins: Winter	21.41 0	19.98 9	20.056	0.068	16.9	0.077	0.000	16.6	7.886	OK
SW64	FSR: 1 years: +0 %: 15 mins: Winter	21.37 9	19.98 3	20.118	0.135	40.6	0.152	0.000	40.4	19.162	OK
SW72	FSR: 1 years: +0 %: 15 mins: Winter	21.37 1	20.07 1	20.115	0.044	3.8	0.050	0.000	3.8	1.773	OK
SW66	FSR: 1 years: +0 %: 15 mins: Winter	21.36 9	20.01 9	20.049	0.030	2.0	0.034	0.000	2.0	0.904	OK
SW79	FSR: 1 years: +0 %: 15 mins: Winter	21.36 5	20.09 4	20.118	0.024	2.0	0.027	0.000	1.9	0.902	OK
SW74	FSR: 1 years: +0 %: 240 mins: Winter	21.35 9	20.00 9	20.374	0.365	0.2	0.413	0.000	0.2	2.517	Surcharged
SW75	FSR: 1 years: +0 %: 240 mins: Winter	21.32 1	19.92 1	20.374	0.453	0.7	0.513	0.000	0.5	8.426	Surcharged
SW78	FSR: 1 years: +0 %: 15 mins: Winter	21.23 1	19.46 1	19.606	0.144	34.8	0.163	0.000	34.6	16.541	OK
SW73	FSR: 1 years: +0 %: 15 mins: Winter	21.19 3	19.73 2	19.842	0.110	21.9	0.124	0.000	22.0	10.342	OK
SW65	FSR: 1 years: +0 %: 15 mins: Winter	21.19 2	19.72 7	19.875	0.147	53.1	0.167	0.000	52.3	25.345	OK
SW77	FSR: 1 years: +0 %: 15 mins: Winter	21.13 4	19.57 0	19.685	0.115	24.0	0.130	0.000	23.9	11.280	OK
SW76	FSR: 1 years: +0 %: 15 mins: Winter	21.07 7	19.62 2	19.741	0.119	23.8	0.135	0.000	23.8	11.218	OK
SW40	FSR: 1 years: +0 %: 15 mins: Winter	22.29 9	20.04 7	20.140	0.093	14.2	0.105	0.000	14.0	6.669	OK
SW42	FSR: 1 years: +0 %: 15 mins: Winter	21.15 0	19.60 4	19.813	0.209	73.6	0.299	0.000	71.8	35.112	OK
SW53	FSR: 1 years: +0 %: 15 mins: Winter	21.40 0	19.51 8	19.725	0.206	72.2	0.295	0.000	70.5	35.118	OK
SW54	FSR: 1 years: +0 %: 15 mins: Winter	21.10 4	19.40 3	19.631	0.228	122.0	0.327	0.000	119.3	60.284	OK
SW67	FSR: 1 years: +0 %: 15 mins: Winter	21.07 8	19.17 5	19.505	0.331	152.3	0.584	0.000	149.4	76.302	OK
SW80	FSR: 1 years: +0 %: 15 mins: Winter	21.111	19.04 8	19.328	0.279	153.9	0.493	0.000	153.4	79.382	OK
SW37	FSR: 1 years: +0 %: 15 mins: Winter	22.60 2	20.45 6	20.731	0.275	112.0	0.394	0.000	111.6	67.979	OK
SW41	FSR: 1 years: +0 %: 15 mins: Winter	21.84 1	19.90 0	19.980	0.080	14.0	0.091	0.000	13.8	6.702	OK
SW3	FSR: 1 years: +0 %: 15 mins: Winter	25.26 7	24.56 5	24.594	0.029	3.3	0.033	0.000	3.3	1.572	OK
SW4	FSR: 1 years: +0 %: 15 mins: Winter	24.23 1	22.46 3	22.580	0.117	21.4	0.132	0.000	21.4	11.397	OK
SW7	FSR: 1 years: +0 %: 15 mins: Winter	23.53 0	22.33 6	22.461	0.125	26.1	0.142	0.000	26.0	13.670	OK
SW116	FSR: 1 years: +0 %: 15 mins: Winter	23.60 0	21.17 6	21.334	0.158	128.6	0.000	0.000	128.7	69.007	OK
SW134	FSR: 1 years: +0 %: 15 mins: Winter	23.75 5	22.25 5	22.439	0.184	144.8	0.263	0.000	144.8	68.396	OK

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Manhole (2)	FSR: 1 years: +0 %: 120 mins: Summer	22.50 0	21.07 5	22.303	1.228	5.8	1.389	0.000	0.9	9.057	Flood Risk
Manhole (3)	FSR: 1 years: +0 %: 120 mins: Winter	21.00 0	20.05 0	20.406	0.356	32.4	0.403	0.000	29.5	156.090	OK
Manhole (4)	FSR: 1 years: +0 %: 240 mins: Winter	19.60 0	18.55 0	19.097	0.547	18.2	0.619	0.000	13.6	205.192	OK

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FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item

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
SW8	FSR: 30 years: +0 %: 15 mins: Winter	28.17 9	26.67 9	26.912	0.233	26.6	0.264	0.000	26.5	12.196	OK
SW119	FSR: 30 years: +0 %: 15 mins: Winter	27.93 6	26.63 6	26.719	0.083	29.0	0.094	0.000	28.7	13.321	OK
SW10	FSR: 30 years: +0 %: 15 mins: Winter	27.55 7	25.95 7	26.921	0.963	7.9	1.090	0.000	6.4	2.749	Surcharged
SW9	FSR: 30 years: +0 %: 15 mins: Winter	27.50 4	25.75 4	26.917	1.163	38.7	5.709	0.000	4.4	16.088	Surcharged
SW121	FSR: 30 years: +0 %: 15 mins: Winter	26.93 1	25.63 1	25.721	0.090	33.9	0.102	0.000	33.6	15.582	OK
SW127	FSR: 30 years: +0 %: 15 mins: Winter	24.30 8	22.81 5	23.163	0.348	266.9	0.394	0.000	267.7	126.419	OK
SW122	FSR: 30 years: +0 %: 15 mins: Winter	26.66 4	25.36 4	25.431	0.067	18.9	0.076	0.000	18.8	8.746	OK
SW123	FSR: 30 years: +0 %: 15 mins: Winter	26.20 8	24.90 8	25.046	0.137	59.6	0.155	0.000	59.1	27.560	OK
SW124	FSR: 30 years: +0 %: 15 mins: Winter	25.98 3	24.63 3	24.781	0.147	62.2	0.167	0.000	61.8	29.008	OK
SW125	FSR: 30 years: +0 %: 15 mins: Winter	25.82 1	24.42 0	24.559	0.139	69.1	0.158	0.000	68.7	32.363	OK
SW128	FSR: 30 years: +0 %: 15 mins: Winter	25.09 3	23.64 3	23.745	0.102	27.9	0.115	0.000	27.6	12.863	OK
SW11	FSR: 30 years: +0 %: 15 mins: Winter	26.57 3	25.22 3	25.296	0.074	23.9	0.084	0.000	23.9	15.236	OK
SW117	FSR: 30 years: +0 %: 15 mins: Winter	26.52 7	25.22 7	25.310	0.083	16.0	0.094	0.000	15.8	7.392	OK
SW12	FSR: 30 years: +0 %: 15 mins: Winter	26.26 4	24.88 1	24.970	0.089	28.4	0.101	0.000	28.3	17.233	OK
SW118	FSR: 30 years: +0 %: 15 mins: Winter	26.16 3	24.81 3	24.962	0.149	77.1	0.168	0.000	75.3	35.787	OK
SW13	FSR: 30 years: +0 %: 15 mins: Winter	26.10 9	24.75 4	24.846	0.092	33.6	0.104	0.000	33.5	19.638	OK
SW17	FSR: 30 years: +0 %: 15 mins: Winter	26.02 6	23.92 6	25.172	1.246	24.1	1.409	0.000	18.7	9.280	Surcharged
SW16	FSR: 30 years: +0 %: 15 mins: Winter	26.01 2	24.63 2	25.173	0.541	10.9	0.612	0.000	4.0	2.047	Surcharged
SW14	FSR: 30 years: +0 %: 15 mins: Winter	25.94 3	24.59 3	24.672	0.080	39.2	0.090	0.000	38.9	22.137	OK
SW18	FSR: 30 years: +0 %: 15 mins: Winter	25.80 6	23.80 6	25.172	1.366	37.9	4.732	0.000	9.8	18.874	Surcharged
SW19	FSR: 30 years: +0 %: 15 mins: Winter	25.75 7	24.25 7	25.173	0.916	9.5	1.036	0.000	3.4	3.567	Surcharged
SW20	FSR: 30 years: +0 %: 15 mins: Winter	25.46 3	23.68 0	23.804	0.124	29.4	0.140	0.000	28.7	21.018	OK
SW2	FSR: 30 years: +0 %: 15 mins: Winter	25.37 7	24.75 1	24.823	0.072	8.3	0.081	0.000	8.2	3.883	OK
SW1	FSR: 30 years: +0 %: 15 mins: Winter	25.23 2	24.87 8	24.926	0.048	4.2	0.054	0.000	4.1	1.939	OK
SW120	FSR: 30 years: +0 %: 15 mins: Winter	25.22 7	23.80 2	24.006	0.205	208.3	0.232	0.000	206.2	97.921	OK
SW110	FSR: 30 years: +0 %: 15 mins: Winter	25.21 2	23.94 1	24.024	0.083	16.9	0.093	0.000	16.7	7.819	OK
SW15	FSR: 30 years: +0 %: 15 mins: Winter	25.15 3	23.35 8	23.470	0.112	75.3	0.126	0.000	74.8	46.483	OK
SW111	FSR: 30 years: +0 %: 15 mins: Winter	25.09 6	23.54 6	23.667	0.121	23.1	0.137	0.000	22.9	10.927	OK
SW112	FSR: 30 years: +0 %: 15 mins: Winter	25.01 5	23.50 0	23.621	0.121	37.2	0.136	0.000	37.2	17.781	OK
SW21	FSR: 30 years: +0 %: 15 mins: Winter	24.93 3	21.83 2	22.113	0.281	114.3	0.318	0.000	114.6	65.009	OK

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SW27	FSR: 30 years: +0 %: 30 mins: Winter	24.84 7	22.99 7	23.748	0.751	22.1	1.912	0.000	18.3	17.205	Surcharged
SW126	FSR: 30 years: +0 %: 15 mins: Winter	24.56 6	23.14 1	23.396	0.255	220.9	0.288	0.000	221.8	104.921	OK
SW109	FSR: 30 years: +0 %: 15 mins: Winter	24.56 3	21.87 7	22.344	0.467	200.3	0.669	0.000	195.8	105.419	Surcharged
SW95	FSR: 30 years: +0 %: 15 mins: Winter	24.47 1	23.20 0	23.287	0.086	21.5	0.098	0.000	21.3	9.911	OK
SW6	FSR: 30 years: +0 %: 15 mins: Winter	24.46 6	22.61 7	22.738	0.121	25.7	0.137	0.000	25.0	13.922	OK
SW130	FSR: 30 years: +0 %: 15 mins: Winter	24.40 9	23.10 9	23.236	0.127	15.6	0.144	0.000	15.0	7.214	OK
SW97	FSR: 30 years: +0 %: 120 mins: Winter	24.40 6	23.04 5	23.962	0.916	8.5	1.036	0.000	2.7	34.845	Surcharged
SW25	FSR: 30 years: +0 %: 15 mins: Winter	24.39 6	21.74 5	22.039	0.294	144.6	0.332	0.000	144.5	79.270	OK
SW108	FSR: 30 years: +0 %: 60 mins: Winter	24.37 3	23.02 1	23.657	0.636	4.1	0.719	0.000	1.1	7.771	Surcharged
SW129	FSR: 30 years: +0 %: 15 mins: Winter	24.36 7	22.95 3	23.230	0.277	41.8	0.313	0.000	42.1	20.067	Surcharged
SW107	FSR: 30 years: +0 %: 15 mins: Winter	24.34 5	21.97 2	22.415	0.443	160.6	0.501	0.000	155.8	84.352	OK
SW96	FSR: 30 years: +0 %: 15 mins: Winter	24.30 6	22.95 1	23.039	0.088	24.2	0.099	0.000	23.9	13.420	OK
SW24	FSR: 30 years: +0 %: 15 mins: Winter	24.28 4	21.99 9	22.140	0.141	31.9	0.159	0.000	31.1	14.869	OK
SW28	FSR: 30 years: +0 %: 30 mins: Winter	24.22 4	22.02 4	23.747	1.723	44.4	8.461	0.000	14.9	39.980	Surcharged
SW105	FSR: 30 years: +0 %: 15 mins: Winter	24.18 8	22.04 0	22.461	0.421	153.8	0.477	0.000	149.1	77.854	OK
SW131	FSR: 30 years: +0 %: 15 mins: Winter	24.16 6	22.66 6	23.057	0.390	269.7	0.442	0.000	270.4	127.391	OK
SW132	FSR: 30 years: +0 %: 15 mins: Winter	24.11 2	22.61 2	22.972	0.360	283.0	0.407	0.000	283.7	133.543	OK
SW98	FSR: 30 years: +0 %: 15 mins: Winter	24.08 9	22.71 0	22.892	0.182	70.4	0.206	0.000	69.3	34.674	OK
SW103	FSR: 30 years: +0 %: 15 mins: Winter	24.01 4	22.15 0	22.498	0.348	146.9	0.393	0.000	142.9	72.246	OK
SW23	FSR: 30 years: +0 %: 15 mins: Winter	23.99 2	22.13 6	22.205	0.069	15.2	0.078	0.000	15.1	7.085	OK
SW99	FSR: 30 years: +0 %: 15 mins: Winter	23.97 6	22.43 1	22.648	0.216	112.1	0.244	0.000	111.0	54.287	OK
SW133	FSR: 30 years: +0 %: 15 mins: Winter	23.96 3	22.46 3	22.814	0.351	301.0	0.396	0.000	301.8	141.962	OK
SW106	FSR: 30 years: +0 %: 15 mins: Winter	23.94 0	22.14 0	22.463	0.323	7.0	0.365	0.000	5.9	3.231	Surcharged
SW100	FSR: 30 years: +0 %: 15 mins: Winter	23.86 7	22.59 6	22.667	0.071	20.1	0.081	0.000	20.0	9.272	OK
SW101	FSR: 30 years: +0 %: 15 mins: Winter	23.84 9	22.23 8	22.554	0.316	136.1	0.805	0.000	134.8	66.450	OK
SW102	FSR: 30 years: +0 %: 15 mins: Winter	23.76 1	22.31 1	22.557	0.246	15.0	0.626	0.000	13.8	6.916	OK
SW104	FSR: 30 years: +0 %: 15 mins: Winter	23.73 0	22.45 9	22.501	0.042	4.4	0.048	0.000	4.4	2.037	OK
SW114	FSR: 30 years: +0 %: 15 mins: Winter	23.70 5	21.60 5	22.090	0.485	267.4	0.549	0.000	264.8	142.873	OK
SW113	FSR: 30 years: +0 %: 15 mins: Winter	23.68 5	21.76 1	22.176	0.414	223.5	0.593	0.000	218.9	118.763	OK
SW5	FSR: 30 years: +0 %: 15 mins: Winter	23.66 8	22.78 2	23.106	0.324	21.2	0.366	0.000	3.0	11.478	Surcharged
SW22	FSR: 30 years: +0 %: 15 mins: Winter	23.60 9	22.30 9	22.382	0.073	15.4	0.082	0.000	15.2	7.094	OK
SW26	FSR: 30 years: +0 %: 15 mins: Winter	23.60 2	21.58 3	21.921	0.338	186.7	0.484	0.000	185.3	110.895	OK
SW30	FSR: 30 years: +0 %: 15 mins: Winter	23.50 6	21.84 9	21.930	0.081	17.2	0.091	0.000	16.1	8.008	OK
SW115	FSR: 30 years: +0 %: 15 mins: Winter	23.44 7	21.42 1	21.726	0.305	308.6	0.345	0.000	310.4	167.555	OK
SW135	FSR: 30 years: +0 %: 15 mins: Winter	23.40 0	21.60 0	21.857	0.257	392.7	0.000	0.000	392.7	186.197	OK

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SW29	FSR: 30 years: +0 %: 15 mins: Winter	23.33 9	22.00 0	22.048	0.048	5.2	0.054	0.000	5.1	2.380	OK
SW43	FSR: 30 years: +0 %: 15 mins: Winter	23.26 6	21.68 6	21.748	0.062	16.4	0.089	0.000	16.2	7.724	OK
SW55	FSR: 30 years: +0 %: 15 mins: Winter	23.13 3	21.86 2	21.932	0.070	8.5	0.079	0.000	8.4	3.926	OK
SW31	FSR: 30 years: +0 %: 15 mins: Winter	23.13 1	21.52 3	21.776	0.254	200.9	0.363	0.000	200.2	118.154	OK
SW81	FSR: 30 years: +0 %: 240 mins: Winter	23.12 2	21.90 6	22.120	0.214	0.3	0.242	0.000	0.2	1.353	Surcharged
SW56	FSR: 30 years: +0 %: 15 mins: Winter	23.06 5	21.77 0	21.849	0.078	8.4	0.089	0.000	8.2	3.917	OK
SW58	FSR: 30 years: +0 %: 15 mins: Summer	22.98 9	21.71 8	21.718	0.000	0.0	0.000	0.000	0.0	0.000	OK
SW82	FSR: 30 years: +0 %: 240 mins: Winter	22.98 6	21.72 0	22.120	0.400	1.0	0.453	0.000	0.3	2.372	Surcharged
SW45	FSR: 30 years: +0 %: 15 mins: Winter	22.97 1	21.62 1	21.691	0.070	9.7	0.079	0.000	9.6	4.478	OK
SW34	FSR: 30 years: +0 %: 30 mins: Winter	22.93 6	21.49 0	22.210	0.720	19.7	2.493	0.000	8.0	18.433	Surcharged
SW84	FSR: 30 years: +0 %: 240 mins: Winter	22.90 8	21.61 9	22.120	0.501	1.0	0.567	0.000	0.5	5.134	Surcharged
SW83	FSR: 30 years: +0 %: 240 mins: Winter	22.88 2	21.48 9	22.120	0.631	1.9	0.714	0.000	1.8	14.217	Surcharged
SW57	FSR: 30 years: +0 %: 15 mins: Winter	22.87 1	21.54 0	21.624	0.084	24.4	0.095	0.000	24.1	11.353	OK
SW32	FSR: 30 years: +0 %: 15 mins: Winter	22.84 9	21.27 4	21.533	0.259	222.2	0.371	0.000	223.6	128.608	OK
SW44	FSR: 30 years: +0 %: 15 mins: Winter	22.82 1	21.27 5	21.384	0.109	57.1	0.156	0.000	56.3	26.635	OK
SW86	FSR: 30 years: +0 %: 240 mins: Winter	22.72 8	21.33 2	22.120	0.788	3.1	0.891	0.000	1.0	23.808	Surcharged
SW85	FSR: 30 years: +0 %: 240 mins: Winter	22.66 9	21.20 3	22.120	0.917	4.2	1.037	0.000	1.2	40.628	Surcharged
SW59	FSR: 30 years: +0 %: 15 mins: Winter	22.62 6	20.71 5	20.882	0.167	55.2	0.189	0.000	55.3	26.138	OK
SW87	FSR: 30 years: +0 %: 15 mins: Winter	22.54 0	21.11 7	21.244	0.128	28.9	0.144	0.000	28.5	14.554	OK
SW61	FSR: 30 years: +0 %: 15 mins: Winter	22.53 8	20.75 9	20.921	0.162	26.1	0.183	0.000	25.8	12.216	OK
SW48	FSR: 30 years: +0 %: 15 mins: Winter	22.53 3	20.78 2	20.920	0.139	30.3	0.157	0.000	29.7	13.983	OK
SW33	FSR: 30 years: +0 %: 15 mins: Winter	22.40 8	20.83 3	21.328	0.495	241.3	0.708	0.000	234.7	142.555	Surcharged
SW60	FSR: 30 years: +0 %: 15 mins: Winter	22.17 5	20.90 4	21.045	0.140	26.5	0.159	0.000	26.1	12.231	OK
SW47	FSR: 30 years: +0 %: 15 mins: Summer	22.26 3	20.99 2	20.992	0.000	0.0	0.000	0.000	0.0	0.000	OK
SW35	FSR: 30 years: +0 %: 15 mins: Winter	22.19 9	20.62 4	21.204	0.580	239.2	0.830	0.000	239.3	144.720	Surcharged
SW88	FSR: 30 years: +0 %: 15 mins: Winter	22.18 4	20.84 3	20.974	0.132	70.2	0.149	0.000	69.7	33.603	OK
SW52	FSR: 30 years: +0 %: 15 mins: Winter	22.11 4	20.84 3	20.909	0.066	9.4	0.075	0.000	9.2	4.356	OK
SW46	FSR: 30 years: +0 %: 15 mins: Winter	22.09 4	20.50 9	20.684	0.175	99.9	0.250	0.000	99.3	47.023	OK
SW36	FSR: 30 years: +0 %: 15 mins: Winter	22.08 9	20.51 4	21.107	0.593	241.5	0.849	0.000	241.4	145.248	Surcharged
SW39	FSR: 30 years: +0 %: 15 mins: Winter	22.06 9	20.11 2	20.273	0.161	35.1	0.182	0.000	34.7	16.405	OK
SW63	FSR: 30 years: +0 %: 15 mins: Winter	21.97 6	20.70 5	20.786	0.081	16.5	0.092	0.000	16.3	7.590	OK
SW62	FSR: 30 years: +0 %: 15 mins: Winter	21.96 8	20.46 3	20.636	0.173	88.0	0.196	0.000	88.5	41.686	OK
SW94	FSR: 30 years: +0 %: 15 mins: Summer	21.90 0	19.56 6	19.849	0.283	94.4	0.000	0.000	94.4	48.084	OK

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SW90	FSR: 30 years: +0 %: 15 mins: Winter	21.86 6	20.65 0	21.125	0.475	10.5	0.537	0.000	9.7	4.476	Surcharged
SW91	FSR: 30 years: +0 %: 15 mins: Winter	21.81 5	20.03 0	21.010	0.980	13.2	1.108	0.000	1.5	5.401	Surcharged
SW50	FSR: 30 years: +0 %: 15 mins: Winter	21.76 6	20.41 6	20.486	0.069	11.1	0.078	0.000	10.9	5.125	OK
SW49	FSR: 30 years: +0 %: 15 mins: Winter	21.67 8	20.13 1	20.352	0.221	122.8	0.316	0.000	124.1	58.432	OK
SW93	FSR: 30 years: +0 %: 15 mins: Winter	21.57 4	19.81 8	20.179	0.361	20.7	0.408	0.000	19.7	10.983	Surcharged
SW51	FSR: 30 years: +0 %: 15 mins: Winter	21.57 5	20.02 9	20.232	0.204	142.4	0.291	0.000	144.5	67.298	OK
SW89	FSR: 30 years: +0 %: 15 mins: Winter	21.56 5	19.73 4	20.160	0.427	96.5	0.482	0.000	91.5	49.018	Surcharged
SW68	FSR: 30 years: +0 %: 15 mins: Winter	21.55 8	20.20 8	20.291	0.083	15.3	0.094	0.000	15.2	7.064	OK
SW38	FSR: 30 years: +0 %: 15 mins: Winter	21.55 1	20.28 0	20.420	0.140	30.4	0.158	0.000	29.9	14.063	OK
SW92	FSR: 30 years: +0 %: 120 mins: Winter	21.52 9	20.20 2	20.996	0.794	3.1	0.898	0.000	1.4	12.427	Surcharged
SW71	FSR: 30 years: +0 %: 15 mins: Winter	21.49 6	20.22 4	20.303	0.078	17.2	0.088	0.000	17.1	7.952	OK
SW69	FSR: 30 years: +0 %: 15 mins: Winter	21.44 1	20.12 0	20.195	0.075	15.2	0.084	0.000	15.1	7.059	OK
SW70	FSR: 30 years: +0 %: 15 mins: Winter	21.41 0	19.98 9	20.107	0.119	41.5	0.134	0.000	41.0	19.348	OK
SW64	FSR: 30 years: +0 %: 15 mins: Winter	21.37 9	19.98 3	20.219	0.236	99.7	0.266	0.000	100.1	47.079	OK
SW72	FSR: 30 years: +0 %: 15 mins: Winter	21.37 1	20.07 1	20.141	0.070	9.4	0.080	0.000	9.3	4.349	OK
SW66	FSR: 30 years: +0 %: 15 mins: Winter	21.36 9	20.01 9	20.064	0.045	4.9	0.051	0.000	4.8	2.233	OK
SW79	FSR: 30 years: +0 %: 15 mins: Winter	21.36 5	20.09 4	20.130	0.035	4.8	0.040	0.000	4.8	2.196	OK
SW74	FSR: 30 years: +0 %: 360 mins: Winter	21.35 9	20.00 9	20.763	0.755	0.6	0.854	0.000	0.6	6.572	Surcharged
SW75	FSR: 30 years: +0 %: 360 mins: Winter	21.32 1	19.92 1	20.764	0.843	1.7	0.953	0.000	0.6	23.412	Surcharged
SW78	FSR: 30 years: +0 %: 15 mins: Winter	21.23 1	19.46 1	19.855	0.394	82.1	0.445	0.000	74.2	40.646	Surcharged
SW73	FSR: 30 years: +0 %: 15 mins: Winter	21.19 3	19.73 2	19.950	0.218	54.0	0.247	0.000	52.6	25.728	OK
SW65	FSR: 30 years: +0 %: 15 mins: Winter	21.19 2	19.72 7	20.029	0.302	131.3	0.342	0.000	122.8	62.029	OK
SW77	FSR: 30 years: +0 %: 15 mins: Winter	21.13 4	19.57 0	19.899	0.329	56.3	0.372	0.000	54.0	27.985	Surcharged
SW76	FSR: 30 years: +0 %: 15 mins: Winter	21.07 7	19.62 2	19.927	0.305	57.4	0.345	0.000	55.9	27.814	Surcharged
SW40	FSR: 30 years: +0 %: 15 mins: Winter	22.29 9	20.04 7	20.200	0.153	34.7	0.173	0.000	34.7	16.400	OK
SW42	FSR: 30 years: +0 %: 15 mins: Winter	21.15 0	19.60 4	20.068	0.464	184.5	0.664	0.000	174.2	86.533	OK
SW53	FSR: 30 years: +0 %: 15 mins: Winter	21.40 0	19.51 8	20.031	0.513	175.3	0.734	0.000	151.4	86.866	OK
SW54	FSR: 30 years: +0 %: 15 mins: Winter	21.10 4	19.40 3	19.974	0.571	264.2	0.818	0.000	255.0	148.859	Surcharged
SW67	FSR: 30 years: +0 %: 15 mins: Winter	21.07 8	19.17 5	19.806	0.632	322.4	1.116	0.000	319.9	189.074	Surcharged
SW80	FSR: 30 years: +0 %: 15 mins: Winter	21.111	19.04 8	19.454	0.405	334.8	0.716	0.000	335.6	196.766	OK
SW37	FSR: 30 years: +0 %: 15 mins: Winter	22.60 2	20.45 6	20.973	0.517	241.4	0.740	0.000	240.3	143.400	Surcharged
SW41	FSR: 30 years: +0 %: 15 mins: Winter	21.84 1	19.90 0	20.111	0.211	34.7	0.239	0.000	33.8	16.454	OK
SW3	FSR: 30 years: +0 %: 15 mins: Winter	25.26 7	24.56 5	24.611	0.046	8.2	0.052	0.000	8.2	3.868	OK
SW4	FSR: 30 years: +0 %: 15 mins: Winter	24.23 1	22.46 3	22.661	0.198	49.2	0.224	0.000	49.0	25.301	OK
SW7	FSR: 30 years: +0 %: 15 mins: Winter	23.53 0	22.33 6	22.533	0.197	60.6	0.223	0.000	60.6	30.924	OK

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SW116	FSR: 30 years: +0 %: 15 mins: Winter	23.60 0	21.17 6	21.431	0.255	310.4	0.000	0.000	310.4	167.555	OK
SW134	FSR: 30 years: +0 %: 15 mins: Winter	23.75 5	22.25 5	22.571	0.316	354.6	0.451	0.000	355.1	167.780	OK
Manhole (2)	FSR: 30 years: +0 %: 30 mins: Winter	22.50 0	21.07 5	22.374	1.299	15.5	1.469	0.000	1.0	2.393	Flood Risk
Manhole (3)	FSR: 30 years: +0 %: 120 mins: Winter	21.00 0	20.05 0	20.613	0.563	33.5	0.637	0.000	29.5	332.475	OK
Manhole (4)	FSR: 30 years: +0 %: 240 mins: Winter	19.60 0	18.55 0	19.256	0.706	18.9	0.799	0.000	13.5	285.758	OK

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FSR: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item

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
SW8	FSR: 100 years: +0 %: 15 mins: Winter	28.17 9	26.67 9	27.067	0.388	34.4	0.438	0.000	32.0	15.814	Surcharged
SW119	FSR: 100 years: +0 %: 15 mins: Winter	27.93 6	26.63 6	26.732	0.096	37.6	0.108	0.000	37.2	17.274	OK
SW10	FSR: 100 years: +0 %: 15 mins: Winter	27.55 7	25.95 7	27.068	1.111	10.3	1.256	0.000	9.6	4.399	Surcharged
SW9	FSR: 100 years: +0 %: 15 mins: Winter	27.50 4	25.75 4	27.063	1.310	48.6	6.429	0.000	11.9	21.530	Surcharged
SW121	FSR: 100 years: +0 %: 15 mins: Winter	26.93 1	25.63 1	25.735	0.104	43.9	0.118	0.000	43.5	20.198	OK
SW127	FSR: 100 years: +0 %: 15 mins: Winter	24.30 8	22.81 5	23.265	0.450	345.4	0.509	0.000	346.6	163.755	OK
SW122	FSR: 100 years: +0 %: 15 mins: Winter	26.66 4	25.36 4	25.440	0.076	24.5	0.086	0.000	24.4	11.324	OK
SW123	FSR: 100 years: +0 %: 15 mins: Winter	26.20 8	24.90 8	25.071	0.163	77.2	0.184	0.000	76.6	35.695	OK
SW124	FSR: 100 years: +0 %: 15 mins: Winter	25.98 3	24.63 3	24.808	0.175	80.6	0.198	0.000	80.1	37.577	OK
SW125	FSR: 100 years: +0 %: 15 mins: Winter	25.82 1	24.42 0	24.582	0.163	89.6	0.184	0.000	89.0	41.912	OK
SW128	FSR: 100 years: +0 %: 15 mins: Winter	25.09 3	23.64 3	23.764	0.122	36.1	0.138	0.000	35.8	16.644	OK
SW11	FSR: 100 years: +0 %: 15 mins: Winter	26.57 3	25.22 3	25.307	0.085	30.3	0.096	0.000	31.0	18.647	OK
SW117	FSR: 100 years: +0 %: 15 mins: Winter	26.52 7	25.22 7	25.322	0.096	20.7	0.108	0.000	20.4	9.575	OK
SW12	FSR: 100 years: +0 %: 15 mins: Winter	26.26 4	24.88 1	24.982	0.102	35.6	0.115	0.000	35.9	21.264	OK
SW118	FSR: 100 years: +0 %: 15 mins: Winter	26.16 3	24.81 3	24.990	0.177	99.9	0.200	0.000	98.0	46.350	OK
SW13	FSR: 100 years: +0 %: 15 mins: Winter	26.10 9	24.75 4	24.858	0.104	41.9	0.118	0.000	41.7	24.397	OK
SW17	FSR: 100 years: +0 %: 15 mins: Winter	26.02 6	23.92 6	25.362	1.437	29.2	1.625	0.000	27.6	12.547	Surcharged
SW16	FSR: 100 years: +0 %: 15 mins: Winter	26.01 2	24.63 2	25.361	0.729	14.8	0.824	0.000	4.9	2.969	Surcharged
SW14	FSR: 100 years: +0 %: 15 mins: Winter	25.94 3	24.59 3	24.682	0.090	49.0	0.101	0.000	48.7	27.668	OK
SW18	FSR: 100 years: +0 %: 15 mins: Winter	25.80 6	23.80 6	25.360	1.554	56.0	5.385	0.000	9.8	24.373	Surcharged
SW19	FSR: 100 years: +0 %: 15 mins: Winter	25.75 7	24.25 7	25.362	1.105	19.1	1.249	0.000	4.5	5.320	Surcharged
SW20	FSR: 100 years: +0 %: 15 mins: Winter	25.46 3	23.68 0	23.816	0.136	34.0	0.153	0.000	33.9	24.212	OK
SW2	FSR: 100 years: +0 %: 15 mins: Winter	25.37 7	24.75 1	24.833	0.082	10.8	0.093	0.000	10.6	5.034	OK
SW1	FSR: 100 years: +0 %: 15 mins: Winter	25.23 2	24.87 8	24.932	0.055	5.4	0.062	0.000	5.4	2.513	Flood Risk
SW120	FSR: 100 years: +0 %: 15 mins: Winter	25.22 7	23.80 2	24.047	0.246	270.3	0.278	0.000	267.6	126.820	OK
SW110	FSR: 100 years: +0 %: 15 mins: Winter	25.21 2	23.94 1	24.036	0.095	21.9	0.108	0.000	21.7	10.121	OK
SW15	FSR: 100 years: +0 %: 15 mins: Winter	25.15 3	23.35 8	23.484	0.126	92.6	0.143	0.000	92.0	56.261	OK
SW111	FSR: 100 years: +0 %: 15 mins: Winter	25.09 6	23.54 6	23.690	0.145	29.5	0.164	0.000	29.3	14.151	OK
SW112	FSR: 100 years: +0 %: 15 mins: Winter	25.01 5	23.50 0	23.643	0.143	47.9	0.162	0.000	47.8	23.037	OK
SW21	FSR: 100 years: +0 %: 15 mins: Winter	24.93 3	21.83 2	22.173	0.341	142.7	0.385	0.000	142.5	80.440	OK

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SW27	FSR: 100 years: +0 %: 15 mins: Winter	24.84 7	22.99 7	23.878	0.881	32.7	2.243	0.000	31.4	15.401	Surcharged
SW126	FSR: 100 years: +0 %: 15 mins: Winter	24.56 6	23.14 1	23.463	0.322	287.3	0.364	0.000	287.1	135.892	OK
SW109	FSR: 100 years: +0 %: 15 mins: Winter	24.56 3	21.87 7	22.571	0.694	229.7	0.993	0.000	230.8	135.821	Surcharged
SW95	FSR: 100 years: +0 %: 15 mins: Winter	24.47 1	23.20 0	23.300	0.100	27.8	0.113	0.000	27.6	12.835	OK
SW6	FSR: 100 years: +0 %: 15 mins: Winter	24.46 6	22.61 7	22.755	0.138	32.3	0.157	0.000	31.6	17.271	OK
SW130	FSR: 100 years: +0 %: 15 mins: Winter	24.40 9	23.10 9	23.394	0.285	20.2	0.322	0.000	19.6	9.343	Surcharged
SW97	FSR: 100 years: +0 %: 120 mins: Winter	24.40 6	23.04 5	24.054	1.008	9.9	1.141	0.000	2.7	40.955	Surcharged
SW25	FSR: 100 years: +0 %: 15 mins: Winter	24.39 6	21.74 5	22.106	0.361	181.4	0.409	0.000	179.0	99.051	OK
SW108	FSR: 100 years: +0 %: 60 mins: Winter	24.37 3	23.02 1	23.709	0.688	4.3	0.778	0.000	1.1	8.976	Surcharged
SW129	FSR: 100 years: +0 %: 15 mins: Winter	24.36 7	22.95 3	23.379	0.426	54.6	0.482	0.000	54.5	26.004	Surcharged
SW107	FSR: 100 years: +0 %: 15 mins: Winter	24.34 5	21.97 2	22.665	0.693	180.1	0.784	0.000	182.4	108.408	Surcharged
SW96	FSR: 100 years: +0 %: 15 mins: Winter	24.30 6	22.95 1	23.051	0.099	30.7	0.112	0.000	30.3	16.569	OK
SW24	FSR: 100 years: +0 %: 15 mins: Winter	24.28 4	21.99 9	22.196	0.197	41.4	0.223	0.000	39.7	19.258	OK
SW28	FSR: 100 years: +0 %: 15 mins: Winter	24.22 4	22.02 4	23.888	1.864	76.8	9.149	0.000	14.6	26.062	Surcharged
SW105	FSR: 100 years: +0 %: 15 mins: Winter	24.18 8	22.04 0	22.731	0.691	168.3	0.782	0.000	170.7	100.326	Surcharged
SW131	FSR: 100 years: +0 %: 15 mins: Winter	24.16 6	22.66 6	23.168	0.502	349.2	0.568	0.000	350.1	165.022	OK
SW132	FSR: 100 years: +0 %: 15 mins: Winter	24.11 2	22.61 2	23.066	0.454	366.4	0.513	0.000	367.6	172.998	OK
SW98	FSR: 100 years: +0 %: 15 mins: Winter	24.08 9	22.71 0	22.932	0.222	90.4	0.251	0.000	89.7	44.127	OK
SW103	FSR: 100 years: +0 %: 15 mins: Winter	24.01 4	22.15 0	22.792	0.641	162.3	0.726	0.000	157.0	93.134	Surcharged
SW23	FSR: 100 years: +0 %: 15 mins: Winter	23.99 2	22.13 6	22.213	0.077	19.7	0.087	0.000	19.6	9.182	OK
SW99	FSR: 100 years: +0 %: 15 mins: Winter	23.97 6	22.43 1	22.882	0.451	144.0	0.510	0.000	139.9	69.613	Surcharged
SW133	FSR: 100 years: +0 %: 15 mins: Winter	23.96 3	22.46 3	22.894	0.430	390.0	0.487	0.000	391.5	183.920	OK
SW106	FSR: 100 years: +0 %: 15 mins: Winter	23.94 0	22.14 0	22.732	0.592	9.1	0.670	0.000	7.5	4.184	Surcharged
SW100	FSR: 100 years: +0 %: 15 mins: Winter	23.86 7	22.59 6	22.886	0.290	26.0	0.328	0.000	25.5	12.012	OK
SW101	FSR: 100 years: +0 %: 15 mins: Winter	23.84 9	22.23 8	22.846	0.609	172.2	1.549	0.000	151.4	85.464	Surcharged
SW102	FSR: 100 years: +0 %: 15 mins: Winter	23.76 1	22.31 1	22.846	0.534	19.4	1.360	0.000	16.8	8.961	Surcharged
SW104	FSR: 100 years: +0 %: 15 mins: Winter	23.73 0	22.45 9	22.792	0.334	14.7	0.377	0.000	5.8	2.756	Surcharged
SW114	FSR: 100 years: +0 %: 15 mins: Winter	23.70 5	21.60 5	22.216	0.611	317.2	0.692	0.000	318.4	184.628	Surcharged
SW113	FSR: 100 years: +0 %: 15 mins: Winter	23.68 5	21.76 1	22.341	0.580	261.0	0.830	0.000	261.7	153.143	Surcharged
SW5	FSR: 100 years: +0 %: 15 mins: Winter	23.66 8	22.78 2	23.172	0.390	27.6	0.441	0.000	3.0	15.518	Surcharged
SW22	FSR: 100 years: +0 %: 15 mins: Winter	23.60 9	22.30 9	22.393	0.083	19.9	0.094	0.000	19.7	9.190	OK
SW26	FSR: 100 years: +0 %: 15 mins: Winter	23.60 2	21.58 3	22.016	0.433	222.1	0.619	0.000	215.9	135.684	OK
SW30	FSR: 100 years: +0 %: 15 mins: Winter	23.50 6	21.84 9	22.019	0.170	22.4	0.192	0.000	20.2	10.374	OK
SW115	FSR: 100 years: +0 %: 15 mins: Winter	23.44 7	21.42 1	21.768	0.347	376.2	0.393	0.000	374.7	216.794	OK
SW135	FSR: 100 years: +0 %: 15 mins: Winter	23.40 0	21.60 0	21.904	0.304	509.8	0.000	0.000	509.8	241.214	OK

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SW29	FSR: 100 years: +0 %: 15 mins: Winter	23.33 9	22.00 0	22.054	0.054	6.7	0.061	0.000	6.6	3.094	OK
SW43	FSR: 100 years: +0 %: 15 mins: Winter	23.26 6	21.68 6	21.755	0.070	20.4	0.100	0.000	20.2	10.031	OK
SW55	FSR: 100 years: +0 %: 15 mins: Winter	23.13 3	21.86 2	21.945	0.083	11.0	0.094	0.000	10.9	5.085	OK
SW31	FSR: 100 years: +0 %: 15 mins: Winter	23.13 1	21.52 3	21.857	0.334	235.6	0.478	0.000	234.3	145.229	OK
SW81	FSR: 100 years: +0 %: 240 mins: Winter	23.12 2	21.90 6	22.227	0.322	0.4	0.364	0.000	0.3	1.573	Surcharged
SW56	FSR: 100 years: +0 %: 15 mins: Winter	23.06 5	21.77 0	21.863	0.093	10.9	0.105	0.000	10.7	5.076	OK
SW58	FSR: 100 years: +0 %: 15 mins: Summer	22.98 9	21.71 8	21.718	0.000	0.0	0.000	0.000	0.0	0.000	OK
SW82	FSR: 100 years: +0 %: 240 mins: Winter	22.98 6	21.72 0	22.227	0.508	1.0	0.574	0.000	0.6	2.761	Surcharged
SW45	FSR: 100 years: +0 %: 15 mins: Winter	22.97 1	21.62 1	21.703	0.082	12.6	0.093	0.000	12.4	5.802	OK
SW34	FSR: 100 years: +0 %: 30 mins: Winter	22.93 6	21.49 0	22.365	0.875	24.1	3.030	0.000	8.0	27.674	Surcharged
SW84	FSR: 100 years: +0 %: 240 mins: Winter	22.90 8	21.61 9	22.227	0.609	1.0	0.688	0.000	0.8	6.658	Surcharged
SW83	FSR: 100 years: +0 %: 240 mins: Winter	22.88 2	21.48 9	22.227	0.739	2.6	0.835	0.000	2.5	18.128	Surcharged
SW57	FSR: 100 years: +0 %: 15 mins: Winter	22.87 1	21.54 0	21.638	0.098	31.6	0.111	0.000	31.2	14.710	OK
SW32	FSR: 100 years: +0 %: 15 mins: Winter	22.84 9	21.27 4	21.773	0.499	262.9	0.714	0.000	263.7	158.836	Surcharged
SW44	FSR: 100 years: +0 %: 15 mins: Winter	22.82 1	21.27 5	21.399	0.124	73.1	0.178	0.000	72.3	34.533	OK
SW86	FSR: 100 years: +0 %: 240 mins: Winter	22.72 8	21.33 2	22.227	0.895	4.3	1.013	0.000	1.0	29.725	Surcharged
SW85	FSR: 100 years: +0 %: 240 mins: Winter	22.66 9	21.20 3	22.228	1.024	5.6	1.159	0.000	1.3	48.561	Surcharged
SW59	FSR: 100 years: +0 %: 15 mins: Winter	22.62 6	20.71 5	20.915	0.200	71.4	0.226	0.000	71.6	33.858	OK
SW87	FSR: 100 years: +0 %: 15 mins: Winter	22.54 0	21.11 7	21.269	0.152	37.2	0.172	0.000	36.7	18.432	OK
SW61	FSR: 100 years: +0 %: 15 mins: Winter	22.53 8	20.75 9	20.962	0.203	33.7	0.230	0.000	33.4	15.817	OK
SW48	FSR: 100 years: +0 %: 15 mins: Winter	22.53 3	20.78 2	20.952	0.170	39.3	0.192	0.000	38.2	18.120	OK
SW33	FSR: 100 years: +0 %: 15 mins: Winter	22.40 8	20.83 3	21.602	0.769	284.9	1.100	0.000	275.4	174.286	Surcharged
SW60	FSR: 100 years: +0 %: 15 mins: Winter	22.17 5	20.90 4	21.078	0.173	34.3	0.196	0.000	33.7	15.831	OK
SW47	FSR: 100 years: +0 %: 15 mins: Summer	22.26 3	20.99 2	20.992	0.000	0.0	0.000	0.000	0.0	0.000	OK
SW35	FSR: 100 years: +0 %: 15 mins: Winter	22.19 9	20.62 4	21.424	0.801	281.2	1.146	0.000	281.0	177.253	Surcharged
SW88	FSR: 100 years: +0 %: 15 mins: Winter	22.18 4	20.84 3	20.997	0.155	90.8	0.175	0.000	90.0	43.105	OK
SW52	FSR: 100 years: +0 %: 15 mins: Winter	22.11 4	20.84 3	20.920	0.077	12.2	0.087	0.000	12.0	5.580	OK
SW46	FSR: 100 years: +0 %: 15 mins: Winter	22.09 4	20.50 9	20.718	0.209	128.6	0.299	0.000	126.2	60.946	OK
SW36	FSR: 100 years: +0 %: 15 mins: Winter	22.08 9	20.51 4	21.284	0.770	283.9	1.103	0.000	282.9	178.188	Surcharged
SW39	FSR: 100 years: +0 %: 15 mins: Winter	22.06 9	20.11 2	20.483	0.371	45.4	0.420	0.000	46.3	21.259	Surcharged
SW63	FSR: 100 years: +0 %: 15 mins: Winter	21.97 6	20.70 5	20.799	0.095	21.4	0.107	0.000	21.3	9.833	OK
SW62	FSR: 100 years: +0 %: 15 mins: Winter	21.96 8	20.46 3	20.668	0.205	114.1	0.232	0.000	118.9	53.922	OK
SW94	FSR: 100 years: +0 %: 15 mins: Summer	21.90 0	19.56 6	19.848	0.282	130.6	0.000	0.000	130.6	61.308	OK

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SW90	FSR: 100 years: +0 %: 15 mins: Winter	21.86 6	20.65 0	21.338	0.688	13.6	0.778	0.000	11.6	5.860	Surcharged
SW91	FSR: 100 years: +0 %: 15 mins: Winter	21.81 5	20.03 0	21.090	1.060	15.3	1.199	0.000	1.5	7.251	Surcharged
SW50	FSR: 100 years: +0 %: 15 mins: Winter	21.76 6	20.41 6	20.548	0.131	14.4	0.148	0.000	15.2	6.638	OK
SW49	FSR: 100 years: +0 %: 15 mins: Winter	21.67 8	20.13 1	20.536	0.405	158.1	0.580	0.000	156.5	75.746	Surcharged
SW93	FSR: 100 years: +0 %: 15 mins: Winter	21.57 4	19.81 8	20.453	0.635	24.3	0.718	0.000	26.1	13.834	Surcharged
SW51	FSR: 100 years: +0 %: 15 mins: Winter	21.57 5	20.02 9	20.480	0.451	181.1	0.645	0.000	180.2	87.152	Surcharged
SW89	FSR: 100 years: +0 %: 15 mins: Winter	21.56 5	19.73 4	20.429	0.695	123.9	0.786	0.000	125.6	62.535	Surcharged
SW68	FSR: 100 years: +0 %: 15 mins: Winter	21.55 8	20.20 8	20.303	0.096	19.8	0.108	0.000	19.7	9.150	OK
SW38	FSR: 100 years: +0 %: 15 mins: Winter	21.55 1	20.28 0	20.511	0.231	39.4	0.261	0.000	38.7	18.218	OK
SW92	FSR: 100 years: +0 %: 120 mins: Winter	21.52 9	20.20 2	21.066	0.864	4.6	0.977	0.000	1.5	17.111	Surcharged
SW71	FSR: 100 years: +0 %: 15 mins: Winter	21.49 6	20.22 4	20.316	0.092	22.3	0.104	0.000	22.2	10.296	OK
SW69	FSR: 100 years: +0 %: 15 mins: Winter	21.44 1	20.12 0	20.244	0.124	19.7	0.140	0.000	19.8	9.144	OK
SW70	FSR: 100 years: +0 %: 15 mins: Winter	21.41 0	19.98 9	20.236	0.248	53.3	0.280	0.000	59.1	25.055	OK
SW64	FSR: 100 years: +0 %: 15 mins: Winter	21.37 9	19.98 3	20.515	0.532	133.4	0.601	0.000	121.3	60.921	Surcharged
SW72	FSR: 100 years: +0 %: 15 mins: Winter	21.37 1	20.07 1	20.240	0.169	12.2	0.191	0.000	11.9	5.635	OK
SW66	FSR: 100 years: +0 %: 15 mins: Winter	21.36 9	20.01 9	20.401	0.382	6.3	0.432	0.000	7.3	3.244	Surcharged
SW79	FSR: 100 years: +0 %: 15 mins: Winter	21.36 5	20.09 4	20.134	0.040	6.2	0.045	0.000	6.1	2.832	OK
SW74	FSR: 100 years: +0 %: 480 mins: Winter	21.35 9	20.00 9	20.820	0.812	0.7	0.918	0.000	0.7	9.528	Surcharged
SW75	FSR: 100 years: +0 %: 480 mins: Winter	21.32 1	19.92 1	20.821	0.900	1.5	1.017	0.000	0.6	33.009	Surcharged
SW78	FSR: 100 years: +0 %: 15 mins: Winter	21.23 1	19.46 1	20.084	0.623	92.2	0.704	0.000	87.2	52.541	Surcharged
SW73	FSR: 100 years: +0 %: 15 mins: Winter	21.19 3	19.73 2	20.214	0.482	76.0	0.545	0.000	59.3	33.538	Surcharged
SW65	FSR: 100 years: +0 %: 15 mins: Winter	21.19 2	19.72 7	20.372	0.645	163.9	0.729	0.000	148.0	80.679	Surcharged
SW77	FSR: 100 years: +0 %: 15 mins: Winter	21.13 4	19.57 0	20.133	0.563	62.2	0.637	0.000	58.2	36.111	Surcharged
SW76	FSR: 100 years: +0 %: 15 mins: Winter	21.07 7	19.62 2	20.165	0.544	65.1	0.615	0.000	61.6	35.878	Surcharged
SW40	FSR: 100 years: +0 %: 15 mins: Winter	22.29 9	20.04 7	20.464	0.417	46.3	0.471	0.000	43.2	21.400	Surcharged
SW42	FSR: 100 years: +0 %: 15 mins: Winter	21.15 0	19.60 4	20.397	0.793	217.9	1.135	0.000	196.0	112.453	Surcharged
SW53	FSR: 100 years: +0 %: 15 mins: Winter	21.40 0	19.51 8	20.335	0.817	197.6	1.169	0.000	182.2	112.806	Surcharged
SW54	FSR: 100 years: +0 %: 15 mins: Winter	21.10 4	19.40 3	20.269	0.866	312.8	1.239	0.000	313.5	193.223	Surcharged
SW67	FSR: 100 years: +0 %: 15 mins: Winter	21.07 8	19.17 5	20.004	0.829	393.2	1.465	0.000	391.5	245.339	Surcharged
SW80	FSR: 100 years: +0 %: 15 mins: Winter	21.111	19.04 8	19.520	0.472	407.3	0.833	0.000	407.7	255.007	OK
SW37	FSR: 100 years: +0 %: 15 mins: Winter	22.60 2	20.45 6	21.095	0.639	282.9	0.914	0.000	282.8	176.205	Surcharged
SW41	FSR: 100 years: +0 %: 15 mins: Winter	21.84 1	19.90 0	20.446	0.546	43.2	0.618	0.000	53.5	21.591	Surcharged
SW3	FSR: 100 years: +0 %: 15 mins: Winter	25.26 7	24.56 5	24.618	0.053	10.6	0.060	0.000	10.6	5.018	OK
SW4	FSR: 100 years: +0 %: 15 mins: Winter	24.23 1	22.46 3	22.704	0.240	63.0	0.272	0.000	62.5	32.040	OK
SW7	FSR: 100 years: +0 %: 15 mins: Winter	23.53 0	22.33 6	22.566	0.230	77.5	0.260	0.000	77.5	39.336	OK

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SW116	FSR: 100 years: +0 %: 15 mins: Winter	23.60 0	21.17 6	21.461	0.285	374.7	0.000	0.000	374.6	216.794	OK
SW134	FSR: 100 years: +0 %: 15 mins: Winter	23.75 5	22.25 5	22.636	0.381	459.8	0.545	0.000	461.1	217.366	OK
Manhole (2)	FSR: 100 years: +0 %: 60 mins: Winter	22.50 0	21.07 5	22.362	1.287	13.1	1.456	0.000	0.9	5.292	Flood Risk
Manhole (3)	FSR: 100 years: +0 %: 120 mins: Winter	21.00 0	20.05 0	20.714	0.664	32.8	0.751	0.000	29.5	330.795	Flood Risk
Manhole (4)	FSR: 100 years: +0 %: 360 mins: Winter	19.60 0	18.55 0	19.345	0.795	16.9	0.899	0.000	13.6	441.607	Flood Risk

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FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item

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
SW8	FSR: 100 years: +40 %: 15 mins: Winter	28.17 9	26.67 9	27.235	0.556	48.2	0.629	0.000	46.4	22.172	Surcharged
SW119	FSR: 100 years: +40 %: 15 mins: Winter	27.93 6	26.63 6	26.753	0.116	52.6	0.132	0.000	52.1	24.201	OK
SW10	FSR: 100 years: +40 %: 15 mins: Winter	27.55 7	25.95 7	27.197	1.240	17.3	1.403	0.000	13.0	7.880	Surcharged
SW9	FSR: 100 years: +40 %: 15 mins: Winter	27.50 4	25.75 4	27.206	1.452	67.8	7.127	0.000	23.7	30.424	Flood Risk
SW121	FSR: 100 years: +40 %: 15 mins: Winter	26.93 1	25.63 1	25.758	0.128	61.4	0.144	0.000	61.1	28.252	OK
SW127	FSR: 100 years: +40 %: 15 mins: Winter	24.30 8	22.81 5	23.765	0.950	457.6	1.074	0.000	456.3	229.608	Surcharged
SW122	FSR: 100 years: +40 %: 15 mins: Winter	26.66 4	25.36 4	25.454	0.090	34.3	0.102	0.000	34.2	15.856	OK
SW123	FSR: 100 years: +40 %: 15 mins: Winter	26.20 8	24.90 8	25.118	0.210	108.1	0.237	0.000	107.1	49.987	OK
SW124	FSR: 100 years: +40 %: 15 mins: Winter	25.98 3	24.63 3	24.859	0.225	112.9	0.255	0.000	112.0	52.625	OK
SW125	FSR: 100 years: +40 %: 15 mins: Winter	25.82 1	24.42 0	24.635	0.216	125.3	0.244	0.000	123.4	58.655	OK
SW128	FSR: 100 years: +40 %: 15 mins: Winter	25.09 3	23.64 3	24.328	0.685	50.6	0.775	0.000	46.4	23.301	Surcharged
SW11	FSR: 100 years: +40 %: 15 mins: Winter	26.57 3	25.22 3	25.344	0.121	57.7	0.137	0.000	58.4	26.777	OK
SW117	FSR: 100 years: +40 %: 15 mins: Winter	26.52 7	25.22 7	25.343	0.116	29.0	0.131	0.000	28.7	13.403	OK
SW12	FSR: 100 years: +40 %: 15 mins: Winter	26.26 4	24.88 1	25.028	0.148	66.2	0.167	0.000	66.5	30.482	OK
SW118	FSR: 100 years: +40 %: 15 mins: Winter	26.16 3	24.81 3	25.089	0.276	140.0	0.312	0.000	140.9	64.897	OK
SW13	FSR: 100 years: +40 %: 15 mins: Winter	26.10 9	24.75 4	24.900	0.147	75.7	0.166	0.000	75.9	34.895	OK
SW17	FSR: 100 years: +40 %: 15 mins: Winter	26.02 6	23.92 6	25.579	1.653	38.9	1.870	0.000	34.5	19.082	Surcharged
SW16	FSR: 100 years: +40 %: 15 mins: Winter	26.01 2	24.63 2	25.576	0.944	20.4	1.068	0.000	5.1	8.407	Surcharged
SW14	FSR: 100 years: +40 %: 15 mins: Winter	25.94 3	24.59 3	24.712	0.120	85.5	0.136	0.000	85.7	39.520	OK
SW18	FSR: 100 years: +40 %: 15 mins: Winter	25.80 6	23.80 6	25.577	1.771	76.7	6.136	0.000	9.8	31.599	Flood Risk

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SW19	FSR: 100 years: +40 %: 15 mins: Winter	25.75 7	24.25 7	25.576	1.318	22.4	1.491	0.000	3.5	6.376	Flood Risk
SW20	FSR: 100 years: +40 %: 15 mins: Winter	25.46 3	23.68 0	23.836	0.156	44.8	0.177	0.000	44.0	29.824	OK
SW2	FSR: 100 years: +40 %: 15 mins: Winter	25.37 7	24.75 1	24.850	0.099	15.1	0.112	0.000	14.8	7.046	OK
SW1	FSR: 100 years: +40 %: 15 mins: Winter	25.23 2	24.87 8	24.943	0.065	7.6	0.073	0.000	7.5	3.516	Flood Risk
SW120	FSR: 100 years: +40 %: 15 mins: Winter	25.22 7	23.80 2	24.376	0.574	381.3	0.650	0.000	356.1	177.679	Surcharged
SW110	FSR: 100 years: +40 %: 15 mins: Winter	25.21 2	23.94 1	24.057	0.116	30.7	0.131	0.000	30.4	14.178	OK
SW15	FSR: 100 years: +40 %: 15 mins: Winter	25.15 3	23.35 8	23.522	0.164	142.7	0.185	0.000	143.2	75.551	OK
SW111	FSR: 100 years: +40 %: 15 mins: Winter	25.09 6	23.54 6	23.739	0.193	41.5	0.218	0.000	40.7	19.829	OK
SW112	FSR: 100 years: +40 %: 15 mins: Winter	25.01 5	23.50 0	23.688	0.188	67.1	0.212	0.000	66.6	32.283	OK
SW21	FSR: 100 years: +40 %: 15 mins: Winter	24.93 3	21.83 2	22.887	1.055	186.6	1.194	0.000	182.9	109.646	Surcharged
SW27	FSR: 100 years: +40 %: 15 mins: Winter	24.84 7	22.99 7	24.103	1.107	45.8	2.817	0.000	44.9	22.374	Surcharged
SW126	FSR: 100 years: +40 %: 15 mins: Winter	24.56 6	23.14 1	24.023	0.882	382.1	0.997	0.000	381.0	190.537	Surcharged
SW109	FSR: 100 years: +40 %: 15 mins: Winter	24.56 3	21.87 7	23.234	1.357	305.1	1.941	0.000	308.6	189.167	Surcharged
SW95	FSR: 100 years: +40 %: 15 mins: Winter	24.47 1	23.20 0	23.911	0.711	38.9	0.804	0.000	41.6	18.080	Surcharged
SW6	FSR: 100 years: +40 %: 15 mins: Winter	24.46 6	22.61 7	22.859	0.242	43.9	0.274	0.000	40.3	23.000	OK
SW130	FSR: 100 years: +40 %: 15 mins: Winter	24.40 9	23.10 9	23.972	0.863	28.3	0.976	0.000	26.0	13.085	Surcharged
SW97	FSR: 100 years: +40 %: 120 mins: Winter	24.40 6	23.04 5	24.222	1.177	10.5	1.331	0.000	2.8	47.652	Flood Risk
SW25	FSR: 100 years: +40 %: 15 mins: Winter	24.39 6	21.74 5	22.794	1.049	228.2	1.186	0.000	223.1	135.821	Surcharged
SW108	FSR: 100 years: +40 %: 120 mins: Winter	24.37 3	23.02 1	23.807	0.786	3.5	0.889	0.000	1.2	18.165	Surcharged
SW129	FSR: 100 years: +40 %: 15 mins: Winter	24.36 7	22.95 3	23.948	0.995	72.4	1.126	0.000	72.3	36.429	Surcharged
SW107	FSR: 100 years: +40 %: 15 mins: Winter	24.34 5	21.97 2	23.394	1.422	242.3	1.608	0.000	245.8	150.910	Surcharged
SW96	FSR: 100 years: +40 %: 15 mins: Winter	24.30 6	22.95 1	23.908	0.956	64.3	1.082	0.000	51.7	23.749	Surcharged
SW24	FSR: 100 years: +40 %: 15 mins: Winter	24.28 4	21.99 9	22.905	0.906	50.2	1.024	0.000	61.9	27.422	Surcharged

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SW28	FSR: 100 years: +40 %: 15 mins: Winter	24.22 4	22.02 4	24.101	2.077	104.0	10.197	0.000	14.5	33.807	Flood Risk
SW105	FSR: 100 years: +40 %: 15 mins: Winter	24.18 8	22.04 0	23.507	1.467	222.9	1.659	0.000	226.3	139.759	Surcharged
SW131	FSR: 100 years: +40 %: 15 mins: Winter	24.16 6	22.66 6	23.586	0.920	460.0	1.041	0.000	458.7	231.401	Surcharged
SW132	FSR: 100 years: +40 %: 15 mins: Winter	24.11 2	22.61 2	23.441	0.829	481.6	0.937	0.000	480.3	242.582	Surcharged
SW98	FSR: 100 years: +40 %: 15 mins: Winter	24.08 9	22.71 0	23.894	1.184	117.0	1.339	0.000	113.6	61.452	Flood Risk
SW103	FSR: 100 years: +40 %: 15 mins: Winter	24.01 4	22.15 0	23.610	1.459	203.1	1.650	0.000	206.7	129.736	Surcharged
SW23	FSR: 100 years: +40 %: 15 mins: Winter	23.99 2	22.13 6	22.911	0.775	33.9	0.876	0.000	38.7	13.300	Surcharged
SW99	FSR: 100 years: +40 %: 15 mins: Winter	23.97 6	22.43 1	23.775	1.343	177.5	1.519	0.000	153.1	96.547	Flood Risk
SW133	FSR: 100 years: +40 %: 15 mins: Winter	23.96 3	22.46 3	23.185	0.722	511.7	0.816	0.000	510.7	257.923	Surcharged
SW106	FSR: 100 years: +40 %: 15 mins: Winter	23.94 0	22.14 0	23.512	1.372	12.7	1.552	0.000	10.9	5.859	Surcharged
SW100	FSR: 100 years: +40 %: 15 mins: Winter	23.86 7	22.59 6	23.779	1.183	36.4	1.337	0.000	33.9	16.838	Flood Risk
SW101	FSR: 100 years: +40 %: 15 mins: Winter	23.84 9	22.23 8	23.708	1.471	188.2	3.743	0.000	186.3	118.909	Flood Risk
SW102	FSR: 100 years: +40 %: 15 mins: Winter	23.76 1	22.31 1	23.718	1.407	29.4	3.580	0.000	25.1	12.635	Flood Risk
SW104	FSR: 100 years: +40 %: 15 mins: Winter	23.73 0	22.45 9	23.610	1.151	9.4	1.302	0.000	9.4	3.973	Flood Risk
SW114	FSR: 100 years: +40 %: 15 mins: Winter	23.70 5	21.60 5	22.596	0.991	424.4	1.120	0.000	425.1	258.007	Surcharged
SW113	FSR: 100 years: +40 %: 15 mins: Winter	23.68 5	21.76 1	22.822	1.061	346.5	1.518	0.000	346.6	213.490	Surcharged
SW5	FSR: 100 years: +40 %: 15 mins: Winter	23.66 8	22.78 2	23.292	0.510	39.2	0.577	0.000	3.0	22.834	Surcharged
SW22	FSR: 100 years: +40 %: 15 mins: Winter	23.60 9	22.30 9	22.919	0.610	27.9	0.690	0.000	28.9	12.902	Surcharged
SW26	FSR: 100 years: +40 %: 15 mins: Winter	23.60 2	21.58 3	22.612	1.029	274.6	1.473	0.000	268.5	181.951	Surcharged
SW30	FSR: 100 years: +40 %: 15 mins: Winter	23.50 6	21.84 9	22.617	0.768	33.0	0.868	0.000	40.6	16.293	Surcharged
SW115	FSR: 100 years: +40 %: 15 mins: Winter	23.44 7	21.42 1	21.854	0.433	497.3	0.490	0.000	498.5	303.269	OK
SW135	FSR: 100 years: +40 %: 15 mins: Winter	23.40 0	21.60 0	21.976	0.376	674.5	0.000	0.000	674.6	338.135	OK
SW29	FSR: 100 years: +40 %: 15 mins: Winter	23.33 9	22.00 0	22.614	0.614	21.1	0.695	0.000	19.2	5.472	Surcharged

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SW43	FSR: 100 years: +40 %: 15 mins: Winter	23.26 6	21.68 6	21.767	0.081	28.0	0.117	0.000	27.7	14.080	OK
SW55	FSR: 100 years: +40 %: 15 mins: Winter	23.13 3	21.86 2	21.970	0.109	15.4	0.123	0.000	15.3	7.123	OK
SW31	FSR: 100 years: +40 %: 15 mins: Winter	23.13 1	21.52 3	22.406	0.883	292.2	1.264	0.000	287.9	194.570	Surcharged
SW81	FSR: 100 years: +40 %: 240 mins: Winter	23.12 2	21.90 6	22.391	0.485	0.4	0.549	0.000	0.4	2.047	Surcharged
SW56	FSR: 100 years: +40 %: 15 mins: Winter	23.06 5	21.77 0	21.892	0.122	15.3	0.138	0.000	15.0	7.114	OK
SW58	FSR: 100 years: +40 %: 15 mins: Summer	22.98 9	21.71 8	21.718	0.000	0.0	0.000	0.000	0.0	0.000	OK
SW82	FSR: 100 years: +40 %: 240 mins: Winter	22.98 6	21.72 0	22.391	0.671	0.9	0.759	0.000	0.7	3.579	Surcharged
SW45	FSR: 100 years: +40 %: 15 mins: Winter	22.97 1	21.62 1	21.725	0.104	17.6	0.117	0.000	17.4	8.126	OK
SW34	FSR: 100 years: +40 %: 60 mins: Winter	22.93 6	21.49 0	22.565	1.075	22.6	3.723	0.000	8.0	52.147	Surcharged
SW84	FSR: 100 years: +40 %: 240 mins: Winter	22.90 8	21.61 9	22.391	0.772	1.0	0.873	0.000	0.9	8.410	Surcharged
SW83	FSR: 100 years: +40 %: 240 mins: Winter	22.88 2	21.48 9	22.391	0.902	3.7	1.021	0.000	3.6	23.958	Surcharged
SW57	FSR: 100 years: +40 %: 15 mins: Winter	22.87 1	21.54 0	21.661	0.121	44.1	0.137	0.000	43.7	20.571	OK
SW32	FSR: 100 years: +40 %: 15 mins: Winter	22.84 9	21.27 4	22.233	0.960	321.1	1.373	0.000	317.9	213.739	Surcharged
SW44	FSR: 100 years: +40 %: 15 mins: Winter	22.82 1	21.27 5	21.424	0.150	101.8	0.215	0.000	101.1	48.268	OK
SW86	FSR: 100 years: +40 %: 240 mins: Winter	22.72 8	21.33 2	22.391	1.059	6.6	1.198	0.000	0.9	36.323	Surcharged
SW85	FSR: 100 years: +40 %: 240 mins: Winter	22.66 9	21.20 3	22.391	1.188	8.0	1.344	0.000	1.3	59.612	Flood Risk
SW59	FSR: 100 years: +40 %: 15 mins: Winter	22.62 6	20.71 5	21.627	0.912	97.2	1.032	0.000	84.6	47.302	Surcharged
SW87	FSR: 100 years: +40 %: 15 mins: Winter	22.54 0	21.11 7	21.631	0.514	50.6	0.581	0.000	47.9	25.459	Surcharged
SW61	FSR: 100 years: +40 %: 15 mins: Winter	22.53 8	20.75 9	21.678	0.919	46.6	1.039	0.000	43.4	22.157	Surcharged
SW48	FSR: 100 years: +40 %: 15 mins: Winter	22.53 3	20.78 2	21.650	0.868	54.9	0.981	0.000	46.5	26.314	Surcharged
SW33	FSR: 100 years: +40 %: 15 mins: Winter	22.40 8	20.83 3	21.979	1.145	338.3	1.639	0.000	335.7	231.878	Surcharged
SW60	FSR: 100 years: +40 %: 15 mins: Winter	22.17 5	20.90 4	21.807	0.903	48.0	1.021	0.000	46.6	22.124	Surcharged
SW47	FSR: 100 years: +40 %: 15 mins: Winter	22.26 3	20.99 2	21.654	0.662	6.7	0.749	0.000	8.1	1.029	Surcharged

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SW35	FSR: 100 years: +40 %: 15 mins: Winter	22.19 9	20.62 4	21.721	1.098	341.9	1.571	0.000	342.9	235.750	Surcharged
SW88	FSR: 100 years: +40 %: 15 mins: Winter	22.18 4	20.84 3	21.380	0.538	117.2	0.608	0.000	115.6	59.773	Surcharged
SW52	FSR: 100 years: +40 %: 15 mins: Winter	22.11 4	20.84 3	21.360	0.517	17.1	0.585	0.000	16.9	7.715	Surcharged
SW46	FSR: 100 years: +40 %: 15 mins: Winter	22.09 4	20.50 9	21.372	0.863	173.0	1.236	0.000	151.7	91.168	Surcharged
SW36	FSR: 100 years: +40 %: 15 mins: Winter	22.08 9	20.51 4	21.517	1.003	345.8	1.435	0.000	339.7	237.608	Surcharged
SW39	FSR: 100 years: +40 %: 15 mins: Winter	22.06 9	20.11 2	21.288	1.177	57.9	1.331	0.000	57.5	30.064	Surcharged
SW63	FSR: 100 years: +40 %: 15 mins: Winter	21.97 6	20.70 5	21.472	0.767	29.9	0.868	0.000	27.7	13.813	Surcharged
SW62	FSR: 100 years: +40 %: 15 mins: Winter	21.96 8	20.46 3	21.461	0.998	141.7	1.129	0.000	134.8	75.469	Surcharged
SW94	FSR: 100 years: +40 %: 15 mins: Summer	21.90 0	19.56 6	19.851	0.285	172.5	0.000	0.000	172.5	84.459	OK
SW90	FSR: 100 years: +40 %: 15 mins: Winter	21.86 6	20.65 0	21.717	1.067	19.0	1.207	0.000	16.6	8.296	Flood Risk
SW91	FSR: 100 years: +40 %: 120 mins: Winter	21.81 5	20.03 0	21.190	1.160	8.6	1.312	0.000	1.6	34.020	Surcharged
SW50	FSR: 100 years: +40 %: 15 mins: Winter	21.76 6	20.41 6	21.311	0.894	27.2	1.012	0.000	18.3	9.487	Surcharged
SW49	FSR: 100 years: +40 %: 15 mins: Winter	21.67 8	20.13 1	21.277	1.146	193.3	1.640	0.000	189.0	108.951	Surcharged
SW93	FSR: 100 years: +40 %: 15 mins: Winter	21.57 4	19.81 8	20.887	1.069	34.0	1.209	0.000	35.2	18.779	Surcharged
SW51	FSR: 100 years: +40 %: 15 mins: Winter	21.57 5	20.02 9	21.217	1.188	220.8	1.700	0.000	218.8	123.778	Surcharged
SW89	FSR: 100 years: +40 %: 15 mins: Winter	21.56 5	19.73 4	20.849	1.115	163.9	1.261	0.000	163.1	86.237	Surcharged
SW68	FSR: 100 years: +40 %: 15 mins: Winter	21.55 8	20.20 8	20.874	0.666	27.7	0.754	0.000	25.6	12.819	Surcharged
SW38	FSR: 100 years: +40 %: 15 mins: Winter	21.55 1	20.28 0	21.349	1.069	55.2	1.209	0.000	49.1	25.501	Flood Risk
SW92	FSR: 100 years: +40 %: 120 mins: Winter	21.52 9	20.20 2	21.191	0.988	6.9	1.118	0.000	1.6	22.825	Surcharged
SW71	FSR: 100 years: +40 %: 15 mins: Winter	21.49 6	20.22 4	20.887	0.663	31.2	0.750	0.000	29.0	14.423	Surcharged
SW69	FSR: 100 years: +40 %: 15 mins: Winter	21.44 1	20.12 0	20.871	0.751	25.6	0.850	0.000	26.5	12.815	Surcharged
SW70	FSR: 100 years: +40 %: 15 mins: Winter	21.41 0	19.98 9	20.866	0.878	69.3	0.993	0.000	53.4	35.116	Surcharged
SW64	FSR: 100 years: +40 %: 15 mins: Winter	21.37 9	19.98 3	21.279	1.295	155.1	1.465	0.000	142.1	85.386	Flood Risk

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SW72	FSR: 100 years: +40 %: 15 mins: Winter	21.37 1	20.07 1	20.873	0.802	17.1	0.907	0.000	13.8	7.893	Surcharged
SW66	FSR: 100 years: +40 %: 15 mins: Winter	21.36 9	20.01 9	21.055	1.036	10.0	1.172	0.000	10.0	4.541	Surcharged
SW79	FSR: 100 years: +40 %: 15 mins: Winter	21.36 5	20.09 4	20.608	0.514	9.2	0.581	0.000	7.9	4.030	Surcharged
SW74	FSR: 100 years: +40 %: 480 mins: Winter	21.35 9	20.00 9	20.909	0.900	1.1	1.018	0.000	1.1	13.243	Surcharged
SW75	FSR: 100 years: +40 %: 480 mins: Winter	21.32 1	19.92 1	20.909	0.988	1.7	1.118	0.000	0.7	36.228	Surcharged
SW78	FSR: 100 years: +40 %: 15 mins: Winter	21.23 1	19.46 1	20.604	1.143	111.7	1.292	0.000	103.5	73.614	Surcharged
SW73	FSR: 100 years: +40 %: 15 mins: Winter	21.19 3	19.73 2	20.829	1.097	72.1	1.241	0.000	64.3	47.373	Surcharged
SW65	FSR: 100 years: +40 %: 15 mins: Winter	21.19 2	19.72 7	21.047	1.320	194.8	1.493	0.000	182.4	113.169	Flood Risk
SW77	FSR: 100 years: +40 %: 15 mins: Winter	21.13 4	19.57 0	20.698	1.128	70.6	1.276	0.000	73.5	50.435	Surcharged
SW76	FSR: 100 years: +40 %: 15 mins: Winter	21.07 7	19.62 2	20.753	1.131	71.0	1.280	0.000	70.1	50.088	Surcharged
SW40	FSR: 100 years: +40 %: 15 mins: Winter	22.29 9	20.04 7	21.249	1.202	57.5	1.359	0.000	48.3	30.262	Surcharged
SW42	FSR: 100 years: +40 %: 15 mins: Winter	21.15 0	19.60 4	21.109	1.505	256.8	2.154	0.000	221.3	159.501	Flood Risk
SW53	FSR: 100 years: +40 %: 15 mins: Winter	21.40 0	19.51 8	21.017	1.499	223.1	2.145	0.000	221.6	159.660	Surcharged
SW54	FSR: 100 years: +40 %: 15 mins: Winter	21.10 4	19.40 3	20.899	1.496	404.0	2.141	0.000	402.1	272.299	Flood Risk
SW67	FSR: 100 years: +40 %: 15 mins: Winter	21.07 8	19.17 5	20.472	1.298	502.9	2.293	0.000	503.3	345.001	Surcharged
SW80	FSR: 100 years: +40 %: 15 mins: Winter	21.111	19.04 8	19.689	0.641	527.3	1.133	0.000	525.3	357.961	Surcharged
SW37	FSR: 100 years: +40 %: 15 mins: Winter	22.60 2	20.45 6	21.243	0.787	339.7	1.126	0.000	340.4	233.219	Surcharged
SW41	FSR: 100 years: +40 %: 15 mins: Winter	21.84 1	19.90 0	21.176	1.276	48.3	1.443	0.000	55.9	30.566	Surcharged
SW3	FSR: 100 years: +40 %: 15 mins: Winter	25.26 7	24.56 5	24.628	0.063	14.8	0.071	0.000	14.9	7.029	OK
SW4	FSR: 100 years: +40 %: 15 mins: Winter	24.23 1	22.46 3	22.816	0.352	80.2	0.398	0.000	79.7	43.707	Surcharged
SW7	FSR: 100 years: +40 %: 15 mins: Winter	23.53 0	22.33 6	22.626	0.290	100.8	0.328	0.000	100.3	53.941	OK
SW116	FSR: 100 years: +40 %: 15 mins: Winter	23.60 0	21.17 6	21.519	0.343	498.5	0.000	0.000	498.5	303.269	OK
SW134	FSR: 100 years: +40 %: 15 mins: Winter	23.75 5	22.25 5	22.825	0.570	606.4	0.816	0.000	606.3	304.730	Surcharged

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Manhole (2)	FSR: 100 years: +40 %: 30 mins: Summer	22.50 0	21.07 5	22.444	1.369	18.9	1.548	0.000	1.0	2.714	Flood Risk
Manhole (3)	FSR: 100 years: +40 %: 240 mins: Winter	21.00 0	20.05 0	20.904	0.854	30.8	0.966	0.000	29.5	702.135	Flood Risk
Manhole (4)	FSR: 100 years: +40 %: 360 mins: Winter	19.60 0	18.55 0	19.499	0.949	16.8	1.074	0.000	13.6	476.179	Flood Risk

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FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item

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. Residual 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 (%)	Status
BR01	FSR: 1 years: +0 %: 15 mins: Summer	21.043	21.043	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR02	FSR: 1 years: +0 %: 15 mins: Winter	22.231	22.184	0.064	0.017	1.6	0.136	0.000	0.000	1.6	0.712	1	99	OK
BR03	FSR: 1 years: +0 %: 15 mins: Winter	22.918	22.931	0.000	0.013	1.3	0.004	0.000	0.000	0.0	0.608		100	OK
BR04	FSR: 1 years: +0 %: 15 mins: Winter	22.962	22.834	0.143	0.015	2.5	0.209	0.000	0.000	0.4	1.051	10	92	OK
BR05	FSR: 1 years: +0 %: 30 mins: Winter	22.850	22.728	0.128	0.007	0.7	0.156	0.000	0.000	0.2	0.489	15	94	OK
BR06	FSR: 1 years: +0 %: 15 mins: Winter	22.656	22.584	0.100	0.028	5.4	0.099	0.000	0.000	5.3	2.489	0	98	OK
BR07	FSR: 1 years: +0 %: 15 mins: Summer	22.337	22.337	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR08	FSR: 1 years: +0 %: 30 mins: Winter	23.074	22.914	0.168	0.009	1.0	0.546	0.000	0.000	0.5	0.506	20	88	OK
BR09	FSR: 1 years: +0 %: 15 mins: Summer	22.805	22.805	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR10	FSR: 1 years: +0 %: 15 mins: Winter	23.721	23.679	0.058	0.016	1.6	0.019	0.000	0.000	1.6	0.738	0	99	OK
BR11	FSR: 1 years: +0 %: 15 mins: Winter	23.798	23.783	0.038	0.022	0.9	0.007	0.000	0.000	0.9	0.396	0	99	OK
BR12	FSR: 1 years: +0 %: 15 mins: Winter	24.257	24.203	0.071	0.017	1.4	0.018	0.000	0.000	1.4	0.656	0	98	OK
BR13	FSR: 1 years: +0 %: 30 mins: Winter	22.672	22.540	0.138	0.006	0.2	0.106	0.000	0.000	0.1	0.138	13	95	OK
BR14	FSR: 1 years: +0 %: 15 mins: Winter	22.845	22.807	0.053	0.016	1.7	0.024	0.000	0.000	1.7	0.795	0	99	OK
BR15	FSR: 1 years: +0 %: 15 mins: Winter	24.066	24.039	0.036	0.009	1.4	0.007	0.000	0.000	1.4	0.638	0	99	OK
BR16	FSR: 1 years: +0 %: 15 mins: Winter	23.873	23.841	0.042	0.009	1.0	0.009	0.000	0.000	1.0	0.445	0	99	OK
BR17	FSR: 1 years: +0 %: 15 mins: Summer	22.332	22.332	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK

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BR18	FSR: 1 years: +0 %: 15 mins: Summer	21.552	21.552	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR19	FSR: 1 years: +0 %: 15 mins: Summer	21.274	21.274	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR20	FSR: 1 years: +0 %: 15 mins: Summer	21.568	21.568	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
PP1	FSR: 1 years: +0 %: 240 mins: Winter	20.917	20.809	0.090	0.005	0.6	2.312	0.000	0.000	0.2	2.452	167	87	OK
PP2	FSR: 1 years: +0 %: 960 mins: Winter	20.803	20.657	0.106	0.004	0.3	3.903	0.000	0.000	0.1	5.237	456	84	OK
PP3	FSR: 1 years: +0 %: 60 mins: Winter	20.749	20.669	0.045	0.016	1.9	2.357	0.000	0.000	1.1	2.268	36	92	OK
PP4	FSR: 1 years: +0 %: 60 mins: Winter	20.928	20.860	0.039	0.012	1.5	1.632	0.000	0.000	1.0	1.777	28	93	OK
PP5	FSR: 1 years: +0 %: 120 mins: Winter	21.949	21.938	0.024	0.044	1.0	1.071	0.000	0.000	0.5	1.581	29	95	OK
PP6	FSR: 1 years: +0 %: 120 mins: Winter	21.939	21.938	0.026	0.045	1.2	1.021	0.000	0.000	0.4	1.537	20	94	OK
PP7	FSR: 1 years: +0 %: 240 mins: Winter	22.273	22.183	0.075	0.006	0.4	1.463	0.000	0.000	0.1	1.589	164	89	OK
PP8	FSR: 1 years: +0 %: 15 mins: Winter	23.898	23.870	0.041	0.023	2.0	0.381	0.000	0.000	1.8	0.858	4	95	OK
PP10	FSR: 1 years: +0 %: 15 mins: Winter	23.921	23.891	0.051	0.031	4.5	1.245	0.000	0.000	2.9	1.697	7	93	OK
PP11	FSR: 1 years: +0 %: 60 mins: Winter	23.789	23.772	0.019	0.029	0.4	0.279	0.000	0.000	0.3	0.487	15	97	OK
PP9	FSR: 1 years: +0 %: 60 mins: Winter	23.773	23.772	0.064	0.099	4.3	1.788	0.000	0.000	1.9	2.128		87	OK
PP12	FSR: 1 years: +0 %: 30 mins: Winter	23.629	23.609	0.020	0.009	0.4	0.155	0.000	0.000	0.3	0.258	9	98	OK
PP13	FSR: 1 years: +0 %: 30 mins: Winter	23.583	23.561	0.021	0.008	0.5	0.207	0.000	0.000	0.4	0.347	9	98	OK
PP14	FSR: 1 years: +0 %: 30 mins: Winter	23.585	23.551	0.022	0.011	0.4	0.187	0.000	0.000	0.3	0.261	10	97	OK
PP17	FSR: 1 years: +0 %: 15 mins: Winter	22.386	22.344	0.072	0.040	7.0	0.787	0.000	0.000	6.6	2.295	2	91	OK
PP15	FSR: 1 years: +0 %: 60 mins: Winter	23.466	23.403	0.060	0.007	0.5	0.470	0.000	0.000	0.2	0.484	50	92	OK
PP16	FSR: 1 years: +0 %: 15 mins: Winter	22.948	22.943	0.035	0.039	6.6	0.387	0.000	0.000	1.4	2.186		91	OK
PP19	FSR: 1 years: +0 %: 60 mins: Winter	23.446	23.346	0.098	0.009	0.6	0.557	0.000	0.000	0.3	0.768	26	87	OK
PP20	FSR: 1 years: +0 %: 30 mins: Winter	23.075	23.050	0.023	0.009	0.4	0.169	0.000	0.000	0.3	0.255	10	96	OK

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PP21	FSR: 1 years: +0 %: 15 mins: Winter	22.344	22.318	0.033	0.017	1.5	0.348	0.000	0.000	1.3	0.610	5	96	OK
PP22	FSR: 1 years: +0 %: 15 mins: Winter	22.006	21.984	0.020	0.008	0.6	0.196	0.000	0.000	0.4	0.207	10	98	OK
PP18	FSR: 1 years: +0 %: 30 mins: Winter	22.185	22.170	0.018	0.013	0.3	0.111	0.000	0.000	0.2	0.187	9	98	OK
PP23	FSR: 1 years: +0 %: 120 mins: Winter	25.356	25.306	0.018	0.006	0.2	0.505	0.000	0.000	0.2	0.580	54	98	OK
PP24	FSR: 1 years: +0 %: 60 mins: Winter	25.056	25.036	0.029	0.024	0.9	0.849	0.000	0.000	0.5	1.146	27	96	OK
PP25	FSR: 1 years: +0 %: 240 mins: Winter	27.014	26.961	0.013	0.003	0.1	0.573	0.000	0.000	0.1	0.557	137	98	OK
BASIN K	FSR: 1 years: +0 %: 240 mins: Winter	19.102	19.099	0.102	0.099	39.9	148.669	0.000	0.000	18.2	205.290	136	90	OK
BASIN I	FSR: 1 years: +0 %: 120 mins: Winter	20.436	20.414	0.136	0.114	54.6	88.780	0.000	0.000	32.4	156.245	48	91	OK
BASIN J	FSR: 1 years: +0 %: 120 mins: Winter	22.303	22.298	0.053	0.048	11.8	19.304	0.000	0.000	7.2	31.691	44	97	OK
PP37	FSR: 1 years: +0 %: 15 mins: Winter	23.583	23.571	0.029	0.026	0.9	0.255	0.000	0.000	0.6	0.354	8	96	OK
PP37.1	FSR: 1 years: +0 %: 30 mins: Winter	23.726	23.714	0.023	0.021	0.5	0.212	0.000	0.000	0.4	0.375	8	97	OK
Porous Paving	FSR: 1 years: +0 %: 15 mins: Summer	26.379	26.369	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
Porous Paving (1)	FSR: 1 years: +0 %: 15 mins: Summer	24.944	24.934	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
Porous Paving (2)	FSR: 1 years: +0 %: 15 mins: Summer	23.648	23.639	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
Porous Paving (3)	FSR: 1 years: +0 %: 15 mins: Summer	24.000	23.991	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK

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FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item

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. Residual 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 (%)	Status
BR01	FSR: 30 years: +0 %: 15 mins: Summer	21.043	21.043	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR02	FSR: 30 years: +0 %: 15 mins: Winter	22.269	22.193	0.101	0.026	3.9	0.211	0.000	0.000	3.7	1.776	0	98	OK
BR03	FSR: 30 years: +0 %: 15 mins: Winter	22.918	22.939	0.000	0.021	3.4	0.006	0.000	0.000	0.0	1.566	99	100	OK
BR04	FSR: 30 years: +0 %: 15 mins: Winter	22.986	22.844	0.166	0.025	6.2	0.292	0.000	0.000	1.1	2.784	4	88	OK
BR05	FSR: 30 years: +0 %: 15 mins: Winter	22.866	22.734	0.145	0.012	2.3	0.217	0.000	0.000	0.5	0.956	9	91	OK
BR06	FSR: 30 years: +0 %: 15 mins: Winter	22.841	22.600	0.285	0.044	13.2	1.058	0.000	0.000	11.8	6.099	1	75	OK
BR07	FSR: 30 years: +0 %: 15 mins: Summer	22.337	22.337	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR08	FSR: 30 years: +0 %: 15 mins: Winter	23.129	22.922	0.223	0.016	3.0	0.921	0.000	0.000	1.9	1.009	10	79	OK
BR09	FSR: 30 years: +0 %: 15 mins: Summer	22.805	22.805	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR10	FSR: 30 years: +0 %: 15 mins: Winter	23.784	23.687	0.121	0.024	3.9	0.061	0.000	0.000	3.6	1.807	0	96	OK
BR11	FSR: 30 years: +0 %: 15 mins: Winter	23.912	23.799	0.152	0.038	2.1	0.046	0.000	0.000	2.0	0.970	0	95	OK
BR12	FSR: 30 years: +0 %: 15 mins: Winter	24.454	24.212	0.267	0.025	3.5	0.150	0.000	0.000	3.3	1.614	0	87	OK
BR13	FSR: 30 years: +0 %: 15 mins: Winter	22.695	22.543	0.161	0.009	0.5	0.152	0.000	0.000	0.4	0.207	7	92	OK
BR14	FSR: 30 years: +0 %: 15 mins: Winter	22.964	22.816	0.172	0.025	4.2	0.128	0.000	0.000	3.9	1.939	0	93	OK

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BR15	FSR: 30 years: +0 %: 15 mins: Winter	24.195	24.044	0.165	0.014	3.4	0.070	0.000	0.000	3.2	1.559	0	95	OK
BR16	FSR: 30 years: +0 %: 15 mins: Winter	23.932	23.846	0.100	0.015	2.4	0.013	0.000	0.000	2.3	1.091	0	99	OK
BR17	FSR: 30 years: +0 %: 15 mins: Summer	22.332	22.332	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR18	FSR: 30 years: +0 %: 15 mins: Summer	21.552	21.552	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR19	FSR: 30 years: +0 %: 15 mins: Summer	21.274	21.274	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR20	FSR: 30 years: +0 %: 15 mins: Summer	21.568	21.568	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
PP1	FSR: 30 years: +0 %: 120 mins: Winter	21.003	20.814	0.175	0.010	2.0	4.446	0.000	0.000	0.7	4.155	104	75	OK
PP2	FSR: 30 years: +0 %: 360 mins: Winter	20.912	20.763	0.215	0.111	2.2	9.040	0.000	0.000	0.3	7.005	522	63	OK
PP3	FSR: 30 years: +0 %: 360 mins: Winter	20.763	20.764	0.060	0.111	1.3	6.483	0.000	0.000	1.3	11.088	65	79	OK
PP4	FSR: 30 years: +0 %: 120 mins: Winter	20.997	20.996	0.109	0.148	5.2	7.530	0.000	0.000	1.4	8.414		68	OK
PP5	FSR: 30 years: +0 %: 240 mins: Winter	22.120	22.120	0.196	0.226	2.6	7.561	0.000	0.000	0.5	8.108		65	OK
PP6	FSR: 30 years: +0 %: 240 mins: Winter	22.120	22.120	0.207	0.227	2.0	6.302	0.000	0.000	0.4	6.901		64	OK
PP7	FSR: 30 years: +0 %: 120 mins: Winter	22.345	22.187	0.147	0.010	1.3	2.808	0.000	0.000	0.5	2.688	101	79	OK
PP8	FSR: 30 years: +0 %: 120 mins: Winter	23.962	23.962	0.105	0.115	1.7	1.301	0.000	0.000	1.7	4.823	10	82	OK
PP10	FSR: 30 years: +0 %: 120 mins: Winter	23.962	23.963	0.093	0.102	3.7	2.989	0.000	0.000	3.6	10.550	8	84	OK
PP11	FSR: 30 years: +0 %: 120 mins: Winter	23.962	23.961	0.192	0.218	3.5	2.946	0.000	0.000	0.8	3.258		66	OK
PP9	FSR: 30 years: +0 %: 120 mins: Winter	23.962	23.961	0.253	0.288	5.3	5.940	0.000	0.000	2.1	6.861		56	OK

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PP12	FSR: 30 years: +0 %: 60 mins: Winter	23.657	23.658	0.047	0.058	0.7	0.575	0.000	0.000	0.6	0.974	18	91	OK
PP13	FSR: 30 years: +0 %: 60 mins: Winter	23.657	23.657	0.095	0.104	2.6	1.409	0.000	0.000	0.6	1.700		83	OK
PP14	FSR: 30 years: +0 %: 60 mins: Winter	23.658	23.657	0.094	0.117	2.4	1.160	0.000	0.000	0.5	1.333		83	OK
PP17	FSR: 30 years: +0 %: 15 mins: Winter	22.547	22.374	0.233	0.070	20.0	2.125	0.000	0.000	18.4	9.270	1	75	OK
PP15	FSR: 30 years: +0 %: 60 mins: Winter	23.523	23.409	0.117	0.013	1.1	0.922	0.000	0.000	0.6	1.359	22	84	OK
PP16	FSR: 30 years: +0 %: 15 mins: Winter	22.978	22.972	0.064	0.068	18.7	0.695	0.000	0.000	2.9	8.746	42	84	OK
PP19	FSR: 30 years: +0 %: 30 mins: Winter	23.536	23.353	0.189	0.016	2.2	1.066	0.000	0.000	1.2	1.394	13	74	OK
PP20	FSR: 30 years: +0 %: 15 mins: Winter	23.113	23.107	0.062	0.066	3.4	0.681	0.000	0.000	3.9	0.783	8	84	OK
PP21	FSR: 30 years: +0 %: 15 mins: Winter	22.363	22.329	0.052	0.027	3.7	0.560	0.000	0.000	3.4	1.615	3	93	OK
PP22	FSR: 30 years: +0 %: 30 mins: Winter	22.211	22.210	0.225	0.233	11.6	3.254	0.000	0.000	5.7	3.437		62	OK
PP18	FSR: 30 years: +0 %: 30 mins: Winter	22.210	22.209	0.044	0.053	0.7	0.356	0.000	0.000	0.8	0.626	5	92	OK
PP23	FSR: 30 years: +0 %: 60 mins: Winter	25.369	25.310	0.032	0.010	0.9	0.883	0.000	0.000	0.6	1.086	25	96	OK
PP24	FSR: 30 years: +0 %: 30 mins: Winter	25.146	25.146	0.120	0.134	7.9	4.376	0.000	0.000	3.5	3.887		79	OK
PP25	FSR: 30 years: +0 %: 120 mins: Winter	27.024	26.963	0.023	0.006	0.4	1.044	0.000	0.000	0.3	1.014	60	96	OK
BASIN K	FSR: 30 years: +0 %: 240 mins: Winter	19.257	19.257	0.257	0.257	88.4	390.773	0.000	0.000	18.9	287.292	204	75	OK
BASIN I	FSR: 30 years: +0 %: 120 mins: Winter	20.615	20.615	0.315	0.315	113.2	238.451	0.000	0.000	33.5	333.419	62	76	OK
BASIN J	FSR: 30 years: +0 %: 120 mins: Winter	22.344	22.341	0.094	0.091	23.0	35.825	0.000	0.000	13.1	69.647	29	94	OK

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PP37	FSR: 30 years: +0 %: 30 mins: Winter	23.752	23.751	0.198	0.206	6.6	1.964	0.000	0.000	3.4	2.590		67	OK
PP37.1	FSR: 30 years: +0 %: 30 mins: Winter	23.750	23.750	0.048	0.057	1.6	0.524	0.000	0.000	1.2	1.040	5	91	OK
Porous Paving	FSR: 30 years: +0 %: 60 mins: Winter	26.574	26.573	0.195	0.205	20.5	10.565	0.000	0.000	3.6	9.913		67	OK
Porous Paving (1)	FSR: 30 years: +0 %: 30 mins: Winter	25.145	25.146	0.201	0.211	17.0	3.518	0.000	0.000	4.0	3.395		66	OK
Porous Paving (2)	FSR: 30 years: +0 %: 30 mins: Winter	23.722	23.728	0.073	0.089	16.9	2.692	0.000	0.000	6.3	2.485		87	OK
Porous Paving (3)	FSR: 30 years: +0 %: 15 mins: Summer	24.000	23.991	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK

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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. Residual 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 (%)	Status
BR01	FSR: 100 years: +0 %: 15 mins: Summer	21.043	21.043	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR02	FSR: 100 years: +0 %: 15 mins: Winter	22.312	22.194	0.145	0.027	5.0	0.401	0.000	0.000	3.9	2.293	0	96	OK
BR03	FSR: 100 years: +0 %: 15 mins: Winter	22.918	22.942	0.000	0.024	4.4	0.007	0.000	0.000	0.0	2.040	67	100	OK
BR04	FSR: 100 years: +0 %: 15 mins: Winter	22.995	22.848	0.175	0.028	8.1	0.324	0.000	0.000	1.4	3.646	4	87	OK
BR05	FSR: 100 years: +0 %: 15 mins: Winter	22.872	22.735	0.151	0.014	2.9	0.239	0.000	0.000	0.6	1.264	7	90	OK
BR06	FSR: 100 years: +0 %: 15 mins: Winter	22.874	22.805	0.318	0.249	17.1	1.641	0.000	0.000	12.8	7.892	1	62	OK
BR07	FSR: 100 years: +0 %: 15 mins: Summer	22.337	22.337	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR08	FSR: 100 years: +0 %: 15 mins: Winter	23.152	22.925	0.246	0.019	3.9	1.073	0.000	0.000	2.7	1.403	7	76	OK
BR09	FSR: 100 years: +0 %: 15 mins: Summer	22.805	22.805	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR10	FSR: 100 years: +0 %: 15 mins: Winter	23.846	23.691	0.183	0.028	5.1	0.156	0.000	0.000	4.7	2.344	0	89	OK
BR11	FSR: 100 years: +0 %: 15 mins: Winter	23.946	23.806	0.185	0.046	2.7	0.071	0.000	0.000	2.6	1.254	0	92	OK
BR12	FSR: 100 years: +0 %: 15 mins: Winter	24.494	24.215	0.308	0.028	4.5	0.251	0.000	0.000	4.1	2.090	0	78	OK
BR13	FSR: 100 years: +0 %: 15 mins: Winter	22.704	22.544	0.170	0.010	0.6	0.167	0.000	0.000	0.5	0.270	6	92	OK
BR14	FSR: 100 years: +0 %: 15 mins: Winter	23.004	22.820	0.212	0.028	5.4	0.184	0.000	0.000	5.2	2.511	0	90	OK

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BR15	FSR: 100 years: +0 %: 15 mins: Winter	24.220	24.047	0.190	0.017	4.4	0.094	0.000	0.000	4.3	2.018	0	93	OK
BR16	FSR: 100 years: +0 %: 15 mins: Winter	23.981	23.848	0.150	0.016	3.1	0.063	0.000	0.000	2.9	1.413	0	95	OK
BR17	FSR: 100 years: +0 %: 15 mins: Summer	22.332	22.332	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR18	FSR: 100 years: +0 %: 15 mins: Summer	21.552	21.552	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR19	FSR: 100 years: +0 %: 15 mins: Winter	21.279	21.280	0.004	0.006	0.1	0.001	0.000	0.000	0.0	0.009	1	100	OK
BR20	FSR: 100 years: +0 %: 15 mins: Summer	21.568	21.568	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
PP1	FSR: 100 years: +0 %: 120 mins: Winter	21.042	20.816	0.215	0.012	2.6	5.530	0.000	0.000	1.1	5.840	84	69	OK
PP2	FSR: 100 years: +0 %: 360 mins: Winter	20.956	20.818	0.259	0.166	2.7	11.737	0.000	0.000	0.3	7.362		51	OK
PP3	FSR: 100 years: +0 %: 480 mins: Winter	20.820	20.821	0.117	0.168	1.4	10.824	0.000	0.000	1.2	15.021	161	65	OK
PP4	FSR: 100 years: +0 %: 120 mins: Winter	21.067	21.066	0.179	0.218	7.4	11.656	0.000	0.000	1.5	11.259		51	OK
PP5	FSR: 100 years: +0 %: 240 mins: Winter	22.228	22.227	0.304	0.333	3.6	11.417	0.000	0.000	0.6	8.281		47	OK
PP6	FSR: 100 years: +0 %: 240 mins: Winter	22.227	22.228	0.314	0.334	2.5	9.427	0.000	0.000	0.5	6.845		46	OK
PP7	FSR: 100 years: +0 %: 120 mins: Winter	22.377	22.214	0.179	0.037	1.7	3.494	0.000	0.000	0.7	3.757	82	74	OK
PP8	FSR: 100 years: +0 %: 120 mins: Winter	24.054	24.054	0.197	0.207	2.2	2.393	0.000	0.000	1.9	6.309	16	67	OK
PP10	FSR: 100 years: +0 %: 120 mins: Winter	24.055	24.055	0.185	0.194	4.9	5.815	0.000	0.000	4.1	13.775	18	68	OK
PP11	FSR: 100 years: +0 %: 120 mins: Winter	24.054	24.053	0.285	0.311	4.1	4.265	0.000	0.000	0.8	4.084		51	OK
PP9	FSR: 100 years: +0 %: 120 mins: Winter	24.054	24.053	0.345	0.380	5.7	7.961	0.000	0.000	1.3	6.796		40	OK

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PP12	FSR: 100 years: +0 %: 60 mins: Winter	23.709	23.710	0.099	0.110	1.7	1.142	0.000	0.000	0.6	1.442		83	OK
PP13	FSR: 100 years: +0 %: 60 mins: Winter	23.709	23.709	0.147	0.156	2.6	2.146	0.000	0.000	0.6	1.770		75	OK
PP14	FSR: 100 years: +0 %: 60 mins: Winter	23.710	23.709	0.146	0.169	2.4	1.733	0.000	0.000	0.4	1.323		74	OK
PP17	FSR: 100 years: +0 %: 15 mins: Winter	22.618	22.422	0.304	0.117	24.5	2.817	0.000	0.000	21.7	12.906	1	67	OK
PP15	FSR: 100 years: +0 %: 30 mins: Winter	23.549	23.412	0.143	0.016	2.1	1.126	0.000	0.000	0.9	1.202	21	80	OK
PP16	FSR: 100 years: +0 %: 15 mins: Winter	22.987	22.982	0.074	0.078	22.9	0.795	0.000	0.000	3.0	12.180	9	81	OK
PP19	FSR: 100 years: +0 %: 30 mins: Winter	23.577	23.357	0.229	0.019	2.9	1.296	0.000	0.000	1.7	1.903	13	69	OK
PP20	FSR: 100 years: +0 %: 15 mins: Winter	23.176	23.173	0.125	0.131	7.1	1.366	0.000	0.000	6.6	1.471	15	68	OK
PP21	FSR: 100 years: +0 %: 30 mins: Winter	22.367	22.366	0.056	0.065	3.8	0.855	0.000	0.000	3.7	3.130	2	90	OK
PP22	FSR: 100 years: +0 %: 30 mins: Winter	22.366	22.365	0.380	0.388	15.8	5.456	0.000	0.000	6.0	5.523		36	OK
PP18	FSR: 100 years: +0 %: 30 mins: Winter	22.366	22.365	0.200	0.208	2.0	1.499	0.000	0.000	2.0	1.676	56	66	OK
PP23	FSR: 100 years: +0 %: 60 mins: Winter	25.374	25.339	0.037	0.039	1.2	1.233	0.000	0.000	1.4	1.575	14	95	OK
PP24	FSR: 100 years: +0 %: 60 mins: Winter	25.339	25.339	0.313	0.327	7.9	11.021	0.000	0.000	4.6	11.085	1173	47	OK
PP25	FSR: 100 years: +0 %: 15 mins: Winter	27.030	26.998	0.029	0.041	8.8	1.355	0.000	0.000	4.5	0.639	20	95	OK
BASIN K	FSR: 100 years: +0 %: 360 mins: Winter	19.346	19.345	0.346	0.345	84.8	534.860	0.000	0.000	16.9	443.223	303	65	OK
BASIN I	FSR: 100 years: +0 %: 120 mins: Winter	20.716	20.716	0.416	0.416	134.5	323.016	0.000	0.000	32.8	332.177	87	68	OK
BASIN J	FSR: 100 years: +0 %: 60 mins: Winter	22.365	22.362	0.115	0.112	45.8	44.299	0.000	0.000	17.6	58.522	31	93	OK

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PP37	FSR: 100 years: +0 %: 30 mins: Winter	23.884	23.883	0.330	0.338	9.1	3.247	0.000	0.000	3.3	3.907		45 OK
PP37.1	FSR: 100 years: +0 %: 30 mins: Winter	23.883	23.883	0.180	0.189	5.2	1.855	0.000	0.000	2.0	2.360		69 OK
Porous Paving	FSR: 100 years: +0 %: 60 mins: Winter	26.710	26.710	0.331	0.341	26.7	17.777	0.000	0.000	3.6	11.155		44 OK
Porous Paving (1)	FSR: 100 years: +0 %: 60 mins: Winter	25.339	25.339	0.395	0.405	18.9	6.818	0.000	0.000	3.9	6.728		34 OK
Porous Paving (2)	FSR: 100 years: +0 %: 30 mins: Winter	23.862	23.861	0.214	0.222	31.4	7.613	0.000	0.000	7.4	7.301		64 OK
Porous Paving (3)	FSR: 100 years: +0 %: 15 mins: Summer	24.000	23.991	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100 OK

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FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item

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. Residual 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 (%)	Status
BR01	FSR: 100 years: +40 %: 15 mins: Winter	21.551	21.710	0.508	0.667	32.8	6.491	0.000	0.000	11.9	6.854		20	Flood Risk
BR02	FSR: 100 years: +40 %: 15 mins: Winter	22.386	22.197	0.219	0.029	7.1	0.808	0.000	0.000	4.7	3.194	1	92	OK
BR03	FSR: 100 years: +40 %: 15 mins: Winter	22.918	22.947	0.000	0.029	6.2	0.009	0.000	0.000	0.0	2.871	23	100	OK
BR04	FSR: 100 years: +40 %: 15 mins: Winter	23.009	22.853	0.189	0.034	11.4	0.374	0.000	0.000	1.9	5.162	3	85	OK
BR05	FSR: 100 years: +40 %: 15 mins: Winter	22.882	22.738	0.160	0.016	4.1	0.270	0.000	0.000	0.9	1.802	5	89	OK
BR06	FSR: 100 years: +40 %: 15 mins: Winter	23.050	23.044	0.494	0.488	24.0	3.522	0.000	0.000	12.8	11.062	2	18	OK
BR07	FSR: 100 years: +40 %: 15 mins: Summer	22.337	22.337	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR08	FSR: 100 years: +40 %: 15 mins: Winter	23.188	22.930	0.282	0.024	5.4	1.317	0.000	0.000	4.1	2.106	5	70	OK
BR09	FSR: 100 years: +40 %: 15 mins: Summer	22.805	22.805	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR10	FSR: 100 years: +40 %: 15 mins: Winter	23.905	23.778	0.242	0.114	7.1	0.269	0.000	0.000	6.6	3.282	0	82	OK
BR11	FSR: 100 years: +40 %: 15 mins: Winter	23.977	23.952	0.216	0.191	3.8	0.151	0.000	0.000	3.3	1.756	0	83	OK
BR12	FSR: 100 years: +40 %: 15 mins: Winter	24.573	24.415	0.387	0.229	6.3	0.452	0.000	0.000	5.2	2.930	1	60	OK
BR13	FSR: 100 years: +40 %: 15 mins: Winter	22.722	22.547	0.188	0.013	1.2	0.203	0.000	0.000	0.8	0.388	4	90	OK
BR14	FSR: 100 years: +40 %: 15 mins: Winter	23.037	22.836	0.246	0.044	7.6	0.329	0.000	0.000	7.2	3.508	0	82	OK

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BR15	FSR: 100 years: +40 %: 15 mins: Winter	24.333	24.332	0.303	0.302	6.1	0.391	0.000	0.000	4.4	2.807	0	70	OK
BR16	FSR: 100 years: +40 %: 15 mins: Winter	24.018	23.851	0.187	0.019	4.3	0.101	0.000	0.000	4.1	1.981	0	91	OK
BR17	FSR: 100 years: +40 %: 15 mins: Summer	22.332	22.332	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
BR18	FSR: 100 years: +40 %: 15 mins: Winter	21.598	21.678	0.046	0.126	1.4	0.076	0.000	0.000	0.3	0.035	9	96	OK
BR19	FSR: 100 years: +40 %: 15 mins: Winter	21.720	21.720	0.445	0.445	7.6	0.289	0.000	0.000	1.9	1.549		51	OK
BR20	FSR: 100 years: +40 %: 15 mins: Summer	21.568	21.568	0.000	0.000	0.0	0.000	0.000	0.000	0.0	0.000		100	OK
PP1	FSR: 100 years: +40 %: 120 mins: Winter	21.101	20.848	0.274	0.044	3.7	7.155	0.000	0.000	1.8	8.000	63	60	OK
PP2	FSR: 100 years: +40 %: 360 mins: Winter	21.031	20.904	0.335	0.251	3.0	16.305	0.000	0.000	0.4	8.067		32	OK
PP3	FSR: 100 years: +40 %: 480 mins: Winter	20.909	20.910	0.205	0.256	2.0	17.565	0.000	0.000	1.3	14.058	300	43	OK
PP4	FSR: 100 years: +40 %: 120 mins: Winter	21.191	21.191	0.303	0.342	10.9	18.963	0.000	0.000	1.5	11.377		20	OK
PP5	FSR: 100 years: +40 %: 240 mins: Winter	22.392	22.391	0.467	0.497	5.3	17.287	0.000	0.000	0.5	7.276		20	OK
PP6	FSR: 100 years: +40 %: 240 mins: Winter	22.391	22.391	0.478	0.498	3.7	14.183	0.000	0.000	0.4	6.020		19	OK
PP7	FSR: 100 years: +40 %: 240 mins: Winter	22.408	22.392	0.210	0.214	1.6	7.173	0.000	0.000	0.6	6.502	96	47	OK
PP8	FSR: 100 years: +40 %: 120 mins: Winter	24.222	24.222	0.365	0.375	3.1	4.392	0.000	0.000	2.0	7.324	26	39	OK
PP10	FSR: 100 years: +40 %: 120 mins: Winter	24.223	24.223	0.353	0.363	6.8	10.987	0.000	0.000	4.3	15.812	37	40	OK
PP11	FSR: 100 years: +40 %: 120 mins: Winter	24.222	24.222	0.453	0.479	4.4	6.682	0.000	0.000	0.5	3.659		24	OK
PP9	FSR: 100 years: +40 %: 120 mins: Winter	24.223	24.222	0.513	0.549	6.2	11.660	0.000	0.000	0.8	6.127		13	OK

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PP12	FSR: 100 years: +40 %: 120 mins: Winter	23.807	23.808	0.197	0.208	1.4	2.210	0.000	0.000	0.5	2.827		66	OK
PP13	FSR: 100 years: +40 %: 120 mins: Winter	23.807	23.807	0.245	0.254	2.0	3.533	0.000	0.000	0.5	3.796		59	OK
PP14	FSR: 100 years: +40 %: 120 mins: Winter	23.808	23.807	0.244	0.267	1.6	2.811	0.000	0.000	0.4	2.896		58	OK
PP17	FSR: 100 years: +40 %: 30 mins: Winter	22.822	22.674	0.508	0.369	30.7	6.084	0.000	0.000	21.4	26.265	2	28	OK
PP15	FSR: 100 years: +40 %: 30 mins: Winter	23.591	23.416	0.185	0.020	2.9	1.453	0.000	0.000	1.5	1.811	15	74	OK
PP16	FSR: 100 years: +40 %: 15 mins: Winter	23.032	23.031	0.118	0.126	31.2	1.289	0.000	0.000	7.5	18.358	2	70	OK
PP19	FSR: 100 years: +40 %: 30 mins: Winter	23.636	23.362	0.289	0.024	4.0	1.632	0.000	0.000	2.7	2.781	9	61	OK
PP20	FSR: 100 years: +40 %: 15 mins: Winter	23.301	23.293	0.249	0.252	13.0	2.646	0.000	0.000	9.7	2.838		38	OK
PP21	FSR: 100 years: +40 %: 60 mins: Winter	22.566	22.566	0.255	0.265	5.4	3.677	0.000	0.000	3.6	6.792	96	57	OK
PP22	FSR: 100 years: +40 %: 60 mins: Winter	22.565	22.564	0.579	0.588	13.2	8.289	0.000	0.000	6.0	8.666		3	OK
PP18	FSR: 100 years: +40 %: 60 mins: Winter	22.565	22.565	0.399	0.408	2.4	2.965	0.000	0.000	1.9	3.317	52	34	OK
PP23	FSR: 100 years: +40 %: 60 mins: Winter	25.505	25.505	0.168	0.205	12.6	7.485	0.000	0.000	3.8	7.249		69	OK
PP24	FSR: 100 years: +40 %: 60 mins: Winter	25.509	25.508	0.482	0.496	11.1	16.850	0.000	0.000	4.6	13.758		19	OK
PP25	FSR: 100 years: +40 %: 30 mins: Winter	27.039	27.049	0.038	0.092	13.3	3.281	0.000	0.000	6.5	2.694		88	OK
BASIN K	FSR: 100 years: +40 %: 360 mins: Winter	19.500	19.500	0.500	0.500	118.5	795.253	0.000	0.000	16.8	478.001	470	48	OK
BASIN I	FSR: 100 years: +40 %: 240 mins: Winter	20.906	20.905	0.606	0.605	116.7	493.889	0.000	0.000	30.8	703.485	141	51	OK
BASIN J	FSR: 100 years: +40 %: 60 mins: Winter	22.399	22.396	0.149	0.146	61.5	58.139	0.000	0.000	25.7	81.531	23	91	OK

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PP37	FSR: 100 years: +40 %: 30 mins: Winter	24.111	24.109	0.557	0.564	10.9	5.441	0.000	0.000	2.7	4.335		7 OK
PP37.1	FSR: 100 years: +40 %: 30 mins: Winter	24.109	24.109	0.407	0.415	8.2	4.128	0.000	0.000	2.5	4.111		32 OK
Porous Paving	FSR: 100 years: +40 %: 120 mins: Winter	26.963	26.963	0.584	0.594	21.3	31.193	0.000	0.000	3.6	23.466		2 OK
Porous Paving (1)	FSR: 100 years: +40 %: 60 mins: Winter	25.506	25.507	0.563	0.572	24.6	9.674	0.000	0.000	2.7	7.212		6 OK
Porous Paving (2)	FSR: 100 years: +40 %: 60 mins: Winter	24.086	24.085	0.437	0.446	34.4	15.426	0.000	0.000	7.4	15.316		27 OK
Porous Paving (3)	FSR: 100 years: +40 %: 60 mins: Winter	24.087	24.086	0.087	0.095	5.5	2.084	0.000	0.000	3.0	2.017		85 OK

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FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item

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
SW77.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW117	SW118	26.5	25.279	0.071	3.012	0.6	0.12	6.4	OK
SW77.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW118	SW120	26.2	24.904	0.106	14.598	1.4	0.2	30.6	OK
SW77.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW120	SW126	25.2	23.922	0.127	39.956	2.3	0.14	84.4	OK
SW77.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW126	SW127	24.6	23.274	0.158	42.806	1.8	0.14	90.6	OK
SW77.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW127	SW131	24.3	22.997	0.196	51.566	1.5	0.16	109.5	OK
SW77.005	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW131	SW132	24.2	22.876	0.205	51.955	1.4	0.19	110.5	OK
SW77.006	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW132	SW133	24.1	22.811	0.199	54.456	1.5	0.24	116.0	OK
SW78.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW119	SW118	27.9	26.688	0.052	5.455	1.7	0.12	11.5	OK
SW79.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW121	SW120	26.9	25.687	0.056	6.376	1.7	0.14	13.5	OK
SW80.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW122	SW123	26.7	25.407	0.062	3.566	0.7	0.04	7.7	OK
SW80.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW123	SW124	26.2	24.989	0.084	11.240	1.5	0.14	24.1	OK

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SW80.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW124	SW125	26.0	24.720	0.085	11.831	1.5	0.15	25.1	OK
SW80.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW125	SW120	25.8	24.503	0.081	13.197	1.8	0.16	27.9	OK
SW81.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW128	SW129	25.1	23.706	0.068	5.252	1.1	0.17	11.2	OK
SW81.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW129	SW127	24.4	23.026	0.128	8.183	0.7	0.22	17.3	OK
SW82.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW130	SW129	24.4	23.152	0.058	2.943	0.8	0.08	6.3	OK
SW51.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW95	SW96	24.5	23.254	0.056	4.051	1.0	0.07	8.7	OK
SW51.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW96	SW98	24.3	23.010	0.085	7.170	0.7	0.09	10.8	OK
SW51.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW98	SW99	24.1	22.820	0.119	15.729	1.0	0.18	29.1	OK
SW51.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW99	SW101	24.0	22.559	0.150	23.620	1.0	0.15	46.2	OK
SW51.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW101	SW103	23.8	22.411	0.170	28.439	1.0	0.27	56.0	OK
SW51.005	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW103	SW105	24.0	22.318	0.180	30.722	1.0	0.23	60.3	OK
SW51.006	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW105	SW107	24.2	22.234	0.197	32.920	1.0	0.3	64.6	OK
SW51.007	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW107	SW109	24.3	22.172	0.214	36.224	0.9	0.32	69.7	OK
SW51.008	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW109	SW113	24.6	22.104	0.210	44.611	1.2	0.48	86.9	OK

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SW25.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW43	SW44	23.3	21.726	0.055	3.090	0.7	0.02	6.5	OK
SW25.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW44	SW46	22.8	21.343	0.085	10.805	1.2	0.07	22.6	OK
SW25.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW46	SW49	22.1	20.611	0.114	19.104	1.4	0.15	40.4	OK
SW25.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW49	SW51	21.7	20.257	0.123	23.745	1.6	0.16	50.2	OK
SW25.005	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW51	SW42	21.6	20.150	0.163	27.364	1.1	0.16	57.9	OK
SW24.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW42	SW53	21.2	19.813	0.208	35.112	0.9	0.3	71.8	OK
SW24.005	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW53	SW54	21.4	19.725	0.217	35.118	0.8	0.29	70.5	OK
SW24.006	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW54	SW67	21.1	19.631	0.278	60.284	1.0	0.37	119.3	OK
SW24.007	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW67	SW80	21.1	19.505	0.305	76.302	1.2	0.69	149.4	OK
SW52.001	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	SW97	SW96	24.4	23.762	0.043	6.508	0.7	0.02	2.7	Surcharged
SW56.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW100	SW99	23.9	22.642	0.086	3.785	0.5	0.05	8.1	OK
SW57.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW102	SW101	23.8	22.414	0.138	2.821	0.3	0.06	5.6	OK
SW58.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW104	SW103	23.7	22.483	0.024	0.831	0.8	0.02	1.8	OK
SW59.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW106	SW105	23.9	22.235	0.145	1.314	0.3	0.04	2.4	OK

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SW60.001	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	SW108	SW107	24.4	23.267	0.023	2.199	0.7	0.05	1.1	Surcharged
SW63.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW110	SW111	25.2	23.993	0.060	3.191	0.8	0.12	6.8	OK
SW63.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW111	SW112	25.1	23.615	0.070	4.454	0.9	0.15	9.4	OK
SW63.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW112	SW109	25.0	23.572	0.070	7.241	1.4	0.2	15.3	OK
SW27.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW45	SW44	23.0	21.664	0.056	1.827	0.6	0.18	3.9	OK
SW28.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	SW47	SW48	22.3	20.992	0.039	0.000	0.0	0	0.0	OK
SW28.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW48	SW46	22.5	20.863	0.091	5.704	0.8	0.27	12.1	OK
SW30.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW50	SW49	21.8	20.460	0.084	2.092	0.3	0.09	4.4	OK
SW32.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW52	SW51	22.1	20.883	0.040	1.775	1.0	0.15	3.7	OK
SW51.010	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW114	SW115	23.7	21.866	0.220	59.305	1.3	0.5	113.3	OK
SW51.011	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW115	SW116	23.4	21.600	0.168	69.007	2.1	0.2	128.6	OK
SW3.000 (1)	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW8	SW9	28.2	26.719	0.249	5.042	0.8	0.03	10.8	OK
SW3.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW9	SW11	27.5	26.229	0.044	6.025	0.9	0.02	4.5	Surcharged
SW3.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW11	SW12	26.6	25.275	0.056	9.642	1.2	0.04	12.1	OK

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SW3.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW12	SW13	26.3	24.940	0.061	10.409	1.2	0.05	13.9	OK
SW3.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW13	SW14	26.1	24.815	0.058	11.355	1.5	0.05	16.0	OK
SW3.005	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW14	SW15	25.9	24.648	0.066	12.320	1.4	0.05	18.3	OK
SW3.006	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW15	SW21	25.2	23.434	0.073	26.372	2.3	0.05	37.7	OK
SW3.007	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW21	SW25	24.9	22.002	0.172	33.818	1.0	0.25	53.9	OK
SW3.008	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW25	SW26	24.4	21.918	0.194	39.563	1.0	0.27	66.0	OK
SW3.009	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW26	SW31	23.6	21.798	0.186	55.676	1.5	0.5	89.8	OK
SW3.010	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW31	SW32	23.1	21.678	0.152	58.636	2.0	0.2	95.7	OK
SW3.011	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW32	SW33	22.8	21.423	0.172	62.888	1.9	0.2	103.7	OK
SW3.012	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW33	SW35	22.4	21.027	0.214	67.631	1.5	0.28	110.2	OK
SW3.013	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW35	SW36	22.2	20.857	0.259	68.531	1.2	0.3	111.8	OK
SW3.014	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW36	SW37	22.1	20.798	0.279	68.760	1.1	0.56	112.0	OK
SW4.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW10	SW9	27.6	26.230	0.300	1.468	0.3	0.02	2.9	OK
SW7.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW16	SW17	26.0	24.652	0.020	0.815	0.9	0.01	1.7	OK

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SW7.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW17	SW18	26.0	24.235	0.369	4.860	0.3	0.04	6.7	OK
SW7.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW20	SW15	25.5	23.772	0.090	12.718	0.8	0.12	16.5	OK
SW8.001	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	SW19	SW18	25.8	24.270	0.057	1.139	0.5	0	0.5	OK
SW11.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW22	SW23	23.6	22.356	0.045	2.892	0.8	0.03	6.2	OK
SW11.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW23	SW24	24.0	22.181	0.057	2.885	0.6	0.03	6.1	OK
SW11.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW24	SW21	24.3	22.069	0.120	6.072	0.4	0.08	12.7	OK
SW14.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW27	SW28	24.8	23.040	0.208	4.801	0.5	0.03	10.1	OK
SW14.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW28	SW26	24.2	22.405	0.138	10.950	0.5	0.07	13.7	Surcharged
SW19.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW29	SW30	23.3	22.031	0.035	0.968	0.4	0.01	2.0	OK
SW19.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW30	SW26	23.5	21.887	0.127	3.269	0.3	0.02	6.8	OK
SW20.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW34	SW33	22.9	21.660	0.038	3.007	1.2	0.03	6.1	OK
SW24.000 (1)	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW38	SW39	21.6	20.365	0.089	5.732	0.7	0.17	12.2	OK
SW24.001 (1)	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW39	SW40	22.1	20.207	0.094	6.677	0.7	0.2	14.2	OK
SW24.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW40	SW41	22.3	20.140	0.086	6.669	0.8	0.2	14.0	OK

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SW24.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW41	SW42	21.8	19.980	0.107	6.702	0.7	0.16	13.8	OK
SW1.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW1	SW2	25.2	24.909	0.038	0.790	0.4	0.04	1.7	OK
SW1.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW2	SW3	25.4	24.797	0.038	1.584	0.8	0.08	3.3	OK
SW1.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW3	SW4	25.3	24.594	0.029	1.572	1.1	0.04	3.3	OK
SW1.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW4	SW7	24.2	22.580	0.121	11.397	0.8	0.3	21.4	OK
SW2.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW5	SW6	23.7	22.977	0.060	2.578	0.5	0.07	2.9	OK
SW2.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW6	SW4	24.5	22.698	0.099	6.791	0.6	0.16	11.8	OK
SW33.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW55	SW56	23.1	21.903	0.044	1.600	0.8	0.14	3.4	OK
SW33.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW56	SW57	23.1	21.817	0.049	1.593	0.7	0.21	3.4	OK
SW33.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW57	SW59	22.9	21.590	0.049	4.626	1.5	0.1	9.8	OK
SW33.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW59	SW62	22.6	20.813	0.101	10.648	1.1	0.22	22.6	OK
SW33.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW62	SW64	22.0	20.566	0.119	16.991	1.2	0.17	36.0	OK
SW33.005	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW64	SW65	21.4	20.118	0.141	19.162	1.1	0.26	40.4	OK
SW33.006	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW65	SW54	21.2	19.875	0.140	25.345	1.4	0.27	52.3	OK

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SW34.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	SW58	SW57	23.0	21.718	0.000	0.000	0.0	0	0.0	OK
SW35.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW60	SW61	22.2	20.986	0.085	4.992	0.8	0.26	10.7	OK
SW35.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW61	SW59	22.5	20.848	0.094	4.980	0.7	0.26	10.6	OK
SW36.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW63	SW62	22.0	20.755	0.050	3.109	0.8	0.06	6.6	OK
SW37.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW66	SW65	21.4	20.049	0.051	0.904	0.5	0.04	2.0	OK
SW45.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW81	SW82	23.1	21.921	0.054	0.216	0.4	0.02	0.5	OK
SW45.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW82	SW83	23.0	21.824	0.150	0.259	0.3	0.03	0.8	OK
SW45.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW83	SW85	22.9	21.824	0.150	0.544	0.2	0.13	3.2	Surcharged
SW45.003	FSR: 1 years: +0 %: 60 mins: Summer	Pipe	SW85	SW87	22.7	21.917	0.044	6.508	0.6	0.06	1.1	Surcharged
SW45.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW87	SW88	22.5	21.194	0.080	6.685	1.0	0.24	12.3	OK
SW45.005	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW88	SW89	22.2	20.925	0.106	14.370	1.4	0.17	28.8	OK
SW45.006	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW89	SW94	21.6	19.905	0.160	21.562	1.1	0.58	41.5	OK
SW49.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW90	SW91	21.9	20.686	0.100	1.955	1.5	0.27	4.2	OK
SW49.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW93	SW89	21.6	19.912	0.112	5.393	0.6	0.21	8.7	OK

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SW38.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW68	SW69	21.6	20.260	0.049	2.881	0.8	0.06	6.2	OK
SW38.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW69	SW70	21.4	20.166	0.057	2.877	0.7	0.05	6.1	OK
SW38.002	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW70	SW73	21.4	20.056	0.089	7.886	1.0	0.11	16.6	OK
SW38.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW73	SW76	21.2	19.842	0.115	10.342	0.9	0.25	22.0	OK
SW38.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW76	SW77	21.1	19.741	0.117	11.218	0.9	0.27	23.8	OK
SW38.005	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW77	SW78	21.1	19.685	0.130	11.280	0.8	0.27	23.9	OK
SW38.006	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW78	SW67	21.2	19.606	0.138	16.541	1.1	0.4	34.6	OK
SW39.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW71	SW70	21.5	20.271	0.057	3.244	0.9	0.1	7.0	OK
SW40.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW72	SW70	21.4	20.115	0.056	1.773	0.5	0.09	3.8	OK
SW41.001	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	SW74	SW75	21.4	20.138	0.150	0.379	0.0	0.02	0.2	OK
SW41.002	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	SW75	SW73	21.3	20.139	0.039	2.228	0.4	0.03	0.5	Surcharged
SW44.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW79	SW78	21.4	20.118	0.024	0.902	0.8	0.02	1.9	OK
SW49.001	FSR: 1 years: +0 %: 60 mins: Summer	Pipe	SW91	SW93	21.8	20.354	0.048	5.593	0.5	0.03	1.4	Surcharged
SW50.001	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	SW92	SW91	21.5	20.402	0.225	0.990	0.0	0.03	1.2	OK

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SW47.001	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	SW86	SW85	22.7	21.919	0.150	0.478	0.1	0.06	1.1	Surcharged
SW46.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW84	SW83	22.9	21.824	0.150	0.101	0.2	0.02	0.4	Surcharged
SW24.008	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW80	BASIN K	21.1	19.328	0.192	79.382	2.6	0.7	153.4	OK
SW3.015	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW37	BASIN I	22.6	20.731	0.254	67.979	1.2	0.65	111.6	OK
SW1.004	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW7	BASIN J	23.5	22.461	0.089	13.670	1.6	0.36	26.0	OK
SW77.007	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW133	SW134	24.0	22.663	0.191	57.874	1.7	0.26	123.2	OK
SW77.008	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW134	SW135	23.8	22.439	0.170	68.396	2.4	0.23	144.8	OK
SW29.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR01	SW46	22.1	21.043	0.050	0.000	0.0	0	0.0	OK
SW25.000 (1)	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR02	SW43	23.3	22.215	0.028	0.540	0.5	0.03	1.2	OK
SW26.001 (1)	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	BR13	SW43	23.5	22.658	0.020	0.138	0.3	0	0.1	OK
SW68.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR14	SW113	23.5	22.828	0.103	0.660	0.2	0.03	1.4	OK
SW69.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR03	SW114	23.6	22.922	0.137	0.608	0.1	0.02	1.3	OK
SW70.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR04	SW114	23.5	22.946	0.138	0.443	0.1	0.02	1.0	OK
SW71.001	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	BR05	SW114	23.4	22.839	0.122	0.123	0.0	0.01	0.2	OK

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SW73.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR06	SW115	23.2	22.656	0.102	2.145	0.6	0.09	4.7	OK
SW74.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR07	SW115	23.1	22.337	0.086	0.000	0.0	0	0.0	OK
SW75.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	BR08	SW115	23.7	23.050	0.084	0.506	0.1	0.01	0.5	OK
SW66.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR10	SW109	24.4	23.700	0.121	0.738	0.4	0.03	1.6	OK
SW64.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR12	SW111	24.9	24.234	0.043	0.656	0.3	0.03	1.4	OK
SW12.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR16	SW21	24.7	23.857	0.090	0.445	0.2	0.01	1.0	OK
SW25.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR20	SW36	22.3	21.568	0.137	0.000	0.0	0	0.0	OK
SW41.000	FSR: 1 years: +0 %: 240 mins: Winter	Pipe	PP1	SW74	21.4	20.855	0.150	2.452	0.4	0	0.2	OK
SW42.000	FSR: 1 years: +0 %: 960 mins: Winter	Pipe	PP2	SW75	21.6	20.717	0.068	5.237	0.1	0	0.1	OK
SW43.000	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	PP3	SW75	21.2	20.684	0.114	2.268	0.6	0.03	1.1	OK
SW50.000	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	PP4	SW92	21.5	20.876	0.143	1.777	0.5	0.02	1.0	OK
SW47.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP5	SW86	22.6	21.917	0.150	0.684	0.0	0.01	0.6	OK
SW46.000	FSR: 1 years: +0 %: 240 mins: Winter	Pipe	PP7	SW84	22.8	22.221	0.150	1.589	0.4	0	0.1	OK
SW48.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP6	SW86	22.7	21.916	0.150	0.647	0.0	0.01	0.5	OK

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SW52.000	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	PP9	SW97	24.4	23.754	0.150	1.022	0.1	0.04	1.9	OK
SW53.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	PP8	SW97	24.6	23.879	0.150	0.858	0.2	0.06	1.8	OK
SW54.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	PP10	SW97	24.6	23.901	0.150	1.697	0.2	0.1	2.9	OK
SW55.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP11	SW97	24.7	23.762	0.150	0.334	0.0	0.02	0.4	OK
SW60.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP14	SW108	24.4	23.557	0.128	0.261	0.0	0.01	0.3	OK
SW61.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	PP13	SW108	24.4	23.567	0.098	0.214	0.0	0.01	0.4	OK
SW62.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP12	SW108	24.6	23.614	0.127	0.258	0.0	0.01	0.3	OK
SW2.000	FSR: 1 years: +0 %: 120 mins: Winter	Pipe	PP15	SW5	24.1	23.429	0.074	0.740	0.1	0	0.2	OK
SW3.000	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	PP19	SW5	23.9	23.391	0.084	0.768	0.1	0.01	0.3	OK
SW4.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP20	SW5	23.8	23.057	0.094	0.255	0.0	0.01	0.3	OK
SW5.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	PP16	SW5	23.5	22.939	0.114	0.000	0.0	0.01	0.3	OK
SW20.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	PP21	SW34	23.4	22.326	0.093	0.610	1.0	0.03	1.3	OK
SW21.001	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	PP17	SW34	23.3	22.360	0.102	2.295	1.5	0.16	6.6	OK
SW7.000	FSR: 1 years: +0 %: 120 mins: Winter	Pipe	PP23	SW16	26.0	25.313	0.008	0.580	0.5	0	0.2	OK

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SW4.000 (1)	FSR: 1 years: +0 %: 360 mins: Winter	Pipe	PP25	SW10	27.7	26.966	0.007	0.711	0.4	0	0.1	OK
Pipe (19)	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	BASIN J	Manhole (2)	23.5	22.297	0.225	6.280	0.7	0.05	6.8	OK
Pipe (46)	FSR: 1 years: +0 %: 120 mins: Winter	Pipe	Manhole (2)	BASIN I	22.5	22.298	0.075	9.337	0.3	0.01	0.9	Flood Risk
Pipe (47)	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	BASIN I	Manhole (3)	21.5	20.422	0.233	102.731	0.7	0.07	34.7	OK
Pipe (48)	FSR: 1 years: +0 %: 120 mins: Winter	Pipe	BASIN K	Manhole (4)	20.0	19.095	0.317	126.132	0.5	0.03	22.4	OK
SW70.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR03	BR04	23.5	22.922	0.027	0.536	0.0	0	0.0	OK
SW71.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR04	BR05	23.4	22.945	0.022	0.241	0.0	0	0.0	OK
SW21.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	PP16	PP17	23.6	22.941	0.055	2.128	1.5	0.15	6.4	OK
SW13.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR15	SW21	24.9	24.052	0.089	0.505	0.5	0.01	1.1	OK
SW26.000 (1)	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR14	BR13	23.5	22.828	0.054	0.131	0.2	0.01	0.2	OK
SW76.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR06	SW115	23.2	22.656	0.094	0.343	0.1	0.01	0.6	OK
SW22.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP22	SW34	23.0	21.990	0.086	0.332	0.2	0.01	0.4	OK
SW67.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR11	SW109	24.5	23.790	0.117	0.212	0.1	0.01	0.4	OK
SW31.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR01	SW49	21.8	21.043	0.061	0.000	0.0	0	0.0	OK

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SW65.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR11	SW112	24.9	23.790	0.042	0.177	0.1	0.01	0.4	OK
SW10.000	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	BR15	SW15	25.0	24.052	0.040	0.060	0.0	0	0.1	OK
SW6.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	SW9	SW11	27.5	26.159	0.000	0.000	0.0	0	0.0	Surcharged
SW51.009	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW113	SW114	23.7	21.953	0.226	49.950	1.2	0.23	96.2	OK
SW24.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR17	BR18	23.0	22.332	0.000	0.000	0.0	0	0.0	OK
SW26.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR18	BR19	22.4	21.552	0.000	0.000	0.0	0	0.0	OK
SW26.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR19	SW36	22.1	21.274	0.137	0.000	0.0	0	0.0	OK
SW72.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR09	SW114	23.6	22.805	0.127	0.000	0.0	0	0.0	OK
SW24.001	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	BR18	SW33	22.5	21.552	0.094	0.000	0.0	0	0.0	OK
SW23.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP18	SW34	22.9	22.172	0.085	0.185	0.0	0	0.2	OK
SW8.000	FSR: 1 years: +0 %: 60 mins: Winter	Pipe	PP24	SW19	25.8	25.037	0.010	1.143	1.0	0.01	0.5	OK
SW5.000 (1)	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	Porous Paving	SW9	27.6	26.369	0.150	0.000	0.0	0	0.0	OK
SW9.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (1)	SW18	25.8	24.934	0.150	0.000	0.0	0	0.0	OK
SW16.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (2)	SW28	24.4	23.639	0.150	0.000	0.0	0	0.0	OK

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SW14.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (2)	SW27	24.7	23.639	0.021	0.000	0.0	0	0.0	OK
SW7.003	FSR: 1 years: +0 %: 15 mins: Winter	Pipe	SW18	SW20	25.8	24.234	0.079	9.128	0.6	0.07	9.5	Surcharged
SW17.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP37.1	SW28	24.5	23.715	0.150	0.372	0.0	0.01	0.4	OK
SW18.000	FSR: 1 years: +0 %: 30 mins: Winter	Pipe	PP37	SW28	24.4	23.571	0.150	0.519	0.0	0.01	0.6	OK
SW15.000	FSR: 1 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (3)	SW27	24.8	23.991	0.021	0.000	0.0	0	0.0	OK

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FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item

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
SW77.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW117	SW118	26.5	25.310	0.116	7.392	0.8	0.29	15.8	OK
SW77.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW118	SW120	26.2	24.962	0.177	35.787	1.7	0.49	75.3	OK
SW77.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW120	SW126	25.2	24.006	0.229	97.921	2.5	0.35	206.2	OK
SW77.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW126	SW127	24.6	23.396	0.302	104.921	2.0	0.35	221.8	OK
SW77.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW127	SW131	24.3	23.163	0.369	126.419	1.6	0.4	267.7	OK
SW77.005	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW131	SW132	24.2	23.057	0.375	127.391	1.6	0.48	270.4	OK
SW77.006	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW132	SW133	24.1	22.972	0.355	133.543	1.8	0.58	283.7	OK
SW78.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW119	SW118	27.9	26.719	0.091	13.321	2.0	0.29	28.7	OK
SW79.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW121	SW120	26.9	25.721	0.110	15.582	1.9	0.34	33.6	OK
SW80.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW122	SW123	26.7	25.431	0.102	8.746	0.9	0.11	18.8	OK
SW80.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW123	SW124	26.2	25.046	0.142	27.560	1.8	0.35	59.1	OK

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SW80.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW124	SW125	26.0	24.781	0.143	29.008	1.9	0.38	61.8	OK
SW80.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW125	SW120	25.8	24.559	0.135	32.363	2.2	0.38	68.7	OK
SW81.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW128	SW129	25.1	23.745	0.188	12.863	1.2	0.43	27.6	OK
SW81.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW129	SW127	24.4	23.230	0.225	20.067	1.1	0.55	42.1	Surcharged
SW82.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW130	SW129	24.4	23.236	0.202	7.214	0.8	0.18	15.0	OK
SW51.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW95	SW96	24.5	23.287	0.087	9.911	1.2	0.17	21.3	OK
SW51.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW96	SW98	24.3	23.039	0.135	13.420	0.8	0.19	23.9	OK
SW51.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW98	SW99	24.1	22.892	0.199	34.674	1.2	0.43	69.3	OK
SW51.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW99	SW101	24.0	22.648	0.266	54.287	1.2	0.37	111.0	OK
SW51.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW101	SW103	23.8	22.554	0.331	66.450	1.2	0.65	134.8	OK
SW51.005	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW103	SW105	24.0	22.498	0.385	72.246	1.1	0.55	142.9	OK
SW51.006	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW105	SW107	24.2	22.461	0.432	77.854	1.1	0.7	149.1	OK
SW51.007	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW107	SW109	24.3	22.415	0.450	84.352	1.0	0.72	155.8	OK
SW51.008	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW109	SW113	24.6	22.344	0.441	105.419	1.3	1.09	195.8	Surcharged

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SW25.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW43	SW44	23.3	21.748	0.086	7.724	0.8	0.06	16.2	OK
SW25.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW44	SW46	22.8	21.384	0.142	26.635	1.5	0.19	56.3	OK
SW25.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW46	SW49	22.1	20.684	0.198	47.023	1.7	0.38	99.3	OK
SW25.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW49	SW51	21.7	20.352	0.212	58.432	2.0	0.39	124.1	OK
SW25.005	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW51	SW42	21.6	20.232	0.314	67.298	1.4	0.39	144.5	OK
SW24.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW42	SW53	21.2	20.068	0.488	86.533	1.1	0.72	174.2	OK
SW24.005	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW53	SW54	21.4	20.031	0.525	86.866	0.9	0.63	151.4	OK
SW24.006	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW54	SW67	21.1	19.974	0.525	148.859	1.2	0.79	255.0	Surcharged
SW24.007	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW67	SW80	21.1	19.806	0.518	189.074	1.5	1.47	319.9	Surcharged
SW52.001	FSR: 30 years: +0 %: 240 mins: Winter	Pipe	SW97	SW96	24.4	23.933	0.038	35.259	0.7	0.02	2.7	Surcharged
SW56.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW100	SW99	23.9	22.667	0.144	9.272	0.6	0.13	20.0	OK
SW57.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW102	SW101	23.8	22.557	0.281	6.916	0.3	0.15	13.8	OK
SW58.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW104	SW103	23.7	22.501	0.120	2.037	0.8	0.06	4.4	OK
SW59.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW106	SW105	23.9	22.463	0.225	3.231	0.4	0.09	5.9	Surcharged

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SW60.001	FSR: 30 years: +0 %: 60 mins: Summer	Pipe	SW108	SW107	24.4	23.641	0.023	6.238	0.7	0.05	1.1	Surcharged
SW63.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW110	SW111	25.2	24.024	0.102	7.819	1.0	0.29	16.7	OK
SW63.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW111	SW112	25.1	23.667	0.121	10.927	1.1	0.36	22.9	OK
SW63.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW112	SW109	25.0	23.621	0.116	17.781	1.8	0.49	37.2	OK
SW27.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW45	SW44	23.0	21.691	0.090	4.478	0.9	0.44	9.6	OK
SW28.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW47	SW48	22.3	20.992	0.067	0.000	0.0	0	0.0	OK
SW28.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW48	SW46	22.5	20.920	0.157	13.983	1.0	0.67	29.7	OK
SW30.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW50	SW49	21.8	20.486	0.145	5.125	0.4	0.22	10.9	OK
SW32.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW52	SW51	22.1	20.909	0.065	4.356	1.3	0.38	9.2	OK
SW51.010	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW114	SW115	23.7	22.090	0.395	142.873	1.6	1.17	264.8	OK
SW51.011	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW115	SW116	23.4	21.726	0.280	167.555	2.6	0.48	310.4	OK
SW3.000 (1)	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW8	SW9	28.2	26.912	0.375	12.196	1.0	0.07	26.5	OK
SW3.001	FSR: 30 years: +0 %: 120 mins: Summer	Pipe	SW9	SW11	27.5	26.611	0.044	36.375	0.9	0.02	4.5	Surcharged
SW3.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW11	SW12	26.6	25.296	0.081	15.236	1.4	0.08	23.9	OK

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SW3.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW12	SW13	26.3	24.970	0.090	17.233	1.4	0.1	28.3	OK
SW3.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW13	SW14	26.1	24.846	0.086	19.638	1.8	0.1	33.5	OK
SW3.005	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW14	SW15	25.9	24.672	0.096	22.137	1.7	0.1	38.9	OK
SW3.006	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW15	SW21	25.2	23.470	0.105	46.483	2.7	0.1	74.8	OK
SW3.007	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW21	SW25	24.9	22.113	0.287	65.009	1.1	0.54	114.6	OK
SW3.008	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW25	SW26	24.4	22.039	0.316	79.270	1.2	0.6	144.5	OK
SW3.009	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW26	SW31	23.6	21.921	0.296	110.895	1.7	1.03	185.3	OK
SW3.010	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW31	SW32	23.1	21.776	0.256	118.154	2.3	0.43	200.2	OK
SW3.011	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW32	SW33	22.8	21.533	0.365	128.608	2.0	0.44	223.6	OK
SW3.012	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW33	SW35	22.4	21.328	0.450	142.555	1.6	0.6	234.7	Surcharged
SW3.013	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW35	SW36	22.2	21.204	0.450	144.720	1.5	0.65	239.3	Surcharged
SW3.014	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW36	SW37	22.1	21.107	0.450	145.248	1.5	1.21	241.4	Surcharged
SW4.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW10	SW9	27.6	26.921	0.300	2.565	0.3	0.05	6.4	Surcharged
SW7.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW16	SW17	26.0	25.118	0.300	1.934	1.0	0.02	4.1	Surcharged

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SW7.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW17	SW18	26.0	25.172	0.375	8.789	0.4	0.11	18.7	Surcharged
SW7.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW20	SW15	25.5	23.804	0.121	21.018	0.9	0.22	28.7	OK
SW8.001	FSR: 30 years: +0 %: 30 mins: Winter	Pipe	SW19	SW18	25.8	25.164	0.300	2.817	0.1	0.03	4.0	Surcharged
SW11.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW22	SW23	23.6	22.382	0.071	7.094	1.1	0.08	15.2	OK
SW11.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW23	SW24	24.0	22.205	0.104	7.085	0.7	0.08	15.1	OK
SW11.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW24	SW21	24.3	22.140	0.211	14.869	0.5	0.2	31.1	OK
SW14.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW27	SW28	24.8	23.653	0.375	10.226	0.5	0.08	23.8	Surcharged
SW14.002	FSR: 30 years: +0 %: 120 mins: Winter	Pipe	SW28	SW26	24.2	23.121	0.137	60.344	0.6	0.07	14.9	Surcharged
SW19.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW29	SW30	23.3	22.048	0.064	2.380	0.5	0.04	5.1	OK
SW19.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW30	SW26	23.5	21.930	0.209	8.008	0.4	0.06	16.1	OK
SW20.001	FSR: 30 years: +0 %: 60 mins: Summer	Pipe	SW34	SW33	22.9	22.146	0.047	15.291	1.3	0.04	8.0	Surcharged
SW24.000 (1)	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW38	SW39	21.6	20.420	0.149	14.063	0.9	0.42	29.9	OK
SW24.001 (1)	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW39	SW40	22.1	20.273	0.157	16.405	0.9	0.49	34.7	OK
SW24.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW40	SW41	22.3	20.200	0.171	16.400	1.1	0.49	34.7	OK

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SW24.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW41	SW42	21.8	20.111	0.300	16.454	0.7	0.39	33.8	OK
SW1.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW1	SW2	25.2	24.926	0.060	1.939	0.5	0.1	4.1	OK
SW1.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW2	SW3	25.4	24.823	0.059	3.883	1.0	0.2	8.2	OK
SW1.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW3	SW4	25.3	24.611	0.046	3.868	1.4	0.09	8.2	OK
SW1.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW4	SW7	24.2	22.661	0.197	25.301	1.0	0.69	49.0	OK
SW2.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW5	SW6	23.7	23.106	0.081	3.554	0.5	0.07	3.0	Surcharged
SW2.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW6	SW4	24.5	22.738	0.159	13.922	0.7	0.35	25.0	OK
SW33.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW55	SW56	23.1	21.932	0.074	3.926	1.0	0.35	8.4	OK
SW33.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW56	SW57	23.1	21.849	0.081	3.917	0.9	0.51	8.2	OK
SW33.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW57	SW59	22.9	21.624	0.079	11.353	1.9	0.24	24.1	OK
SW33.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW59	SW62	22.6	20.882	0.170	26.138	1.3	0.54	55.3	OK
SW33.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW62	SW64	22.0	20.636	0.205	41.686	1.4	0.41	88.5	OK
SW33.005	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW64	SW65	21.4	20.219	0.262	47.079	1.3	0.64	100.1	OK
SW33.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW65	SW54	21.2	20.000	0.284	55.339	1.7	0.64	124.8	OK

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SW34.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW58	SW57	23.0	21.718	0.016	0.000	0.0	0	0.0	OK
SW35.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW60	SW61	22.2	21.045	0.151	12.231	0.9	0.64	26.1	OK
SW35.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW61	SW59	22.5	20.921	0.165	12.216	0.8	0.63	25.8	OK
SW36.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW63	SW62	22.0	20.786	0.089	7.590	1.0	0.15	16.3	OK
SW37.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW66	SW65	21.4	20.064	0.134	2.233	0.5	0.1	4.8	OK
SW45.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW81	SW82	23.1	22.067	0.150	0.351	0.6	0.07	1.4	Surcharged
SW45.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW82	SW83	23.0	22.067	0.150	0.234	0.3	0.09	2.4	Surcharged
SW45.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW83	SW85	22.9	22.097	0.150	2.103	0.4	0.28	6.7	Surcharged
SW45.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW85	SW87	22.7	22.076	0.085	1.740	0.6	0.08	1.4	Surcharged
SW45.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW87	SW88	22.5	21.244	0.130	14.554	1.2	0.56	28.5	OK
SW45.005	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW88	SW89	22.2	20.974	0.257	33.603	1.5	0.4	69.7	OK
SW45.006	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW89	SW94	21.6	20.160	0.300	49.018	1.3	1.28	91.5	Surcharged
SW49.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW90	SW91	21.9	21.125	0.100	4.476	1.6	0.62	9.7	Surcharged
SW49.002	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW93	SW89	21.6	20.135	0.225	9.745	0.6	0.48	19.8	Surcharged

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SW38.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW68	SW69	21.6	20.291	0.079	7.064	1.0	0.15	15.2	OK
SW38.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW69	SW70	21.4	20.195	0.097	7.059	0.8	0.12	15.1	OK
SW38.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW70	SW73	21.4	20.107	0.158	19.348	1.1	0.27	41.0	OK
SW38.003	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW73	SW76	21.2	19.950	0.262	25.657	1.0	0.6	52.6	OK
SW38.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW76	SW77	21.1	19.927	0.300	27.814	1.1	0.64	55.9	Surcharged
SW38.005	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW77	SW78	21.1	19.899	0.300	27.985	0.9	0.62	54.0	Surcharged
SW38.006	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW78	SW67	21.2	19.822	0.300	36.267	1.3	0.85	74.9	Surcharged
SW39.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW71	SW70	21.5	20.303	0.098	7.952	1.0	0.23	17.1	OK
SW40.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW72	SW70	21.4	20.141	0.095	4.349	0.6	0.21	9.3	OK
SW41.001	FSR: 30 years: +0 %: 120 mins: Winter	Pipe	SW74	SW75	21.4	20.738	0.150	3.155	0.0	0.06	0.9	Surcharged
SW41.002	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW75	SW73	21.3	20.393	0.124	0.335	0.4	0.05	0.7	Surcharged
SW44.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW79	SW78	21.4	20.130	0.150	2.196	0.9	0.06	4.8	OK
SW49.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW91	SW93	21.8	20.969	0.223	2.118	0.5	0.12	5.0	Surcharged
SW50.001	FSR: 30 years: +0 %: 60 mins: Winter	Pipe	SW92	SW91	21.5	20.994	0.225	0.509	0.0	0.03	1.4	Surcharged

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SW47.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW86	SW85	22.7	21.989	0.150	0.000	0.1	0.07	1.3	Surcharged
SW46.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW84	SW83	22.9	22.096	0.150	0.079	0.2	0.07	1.3	Surcharged
SW24.008	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW80	BASIN K	21.1	19.454	0.301	196.766	3.1	1.54	335.6	OK
SW3.015	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW37	BASIN I	22.6	20.973	0.431	143.400	1.5	1.4	240.3	Surcharged
SW1.004	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW7	BASIN J	23.5	22.533	0.142	30.924	1.9	0.85	60.6	OK
SW77.007	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW133	SW134	24.0	22.814	0.333	141.962	2.1	0.63	301.8	OK
SW77.008	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW134	SW135	23.8	22.571	0.286	167.780	2.9	0.57	355.1	OK
SW29.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR01	SW46	22.1	21.043	0.085	0.000	0.0	0	0.0	OK
SW25.000 (1)	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR02	SW43	23.3	22.268	0.044	1.431	0.7	0.07	3.1	OK
SW26.001 (1)	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR13	SW43	23.5	22.673	0.034	0.207	0.3	0.01	0.4	OK
SW68.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR14	SW113	23.5	22.916	0.150	1.663	0.3	0.06	3.4	OK
SW69.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR03	SW114	23.6	22.925	0.150	1.566	0.2	0.05	3.4	OK
SW70.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR04	SW114	23.5	22.961	0.150	1.217	0.2	0.06	2.7	OK
SW71.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR05	SW114	23.4	22.850	0.150	0.193	0.0	0.01	0.5	OK

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SW73.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR06	SW115	23.2	22.764	0.150	5.384	0.7	0.2	10.6	Surcharged
SW74.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR07	SW115	23.1	22.337	0.149	0.000	0.0	0	0.0	OK
SW75.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR08	SW115	23.7	23.089	0.150	1.009	0.2	0.03	1.9	Surcharged
SW66.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR10	SW109	24.4	23.774	0.150	1.807	0.6	0.06	3.6	OK
SW64.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR12	SW111	24.9	24.342	0.073	1.614	0.4	0.07	3.3	Surcharged
SW12.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR16	SW21	24.7	23.931	0.148	1.091	0.4	0.02	2.3	OK
SW25.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR20	SW36	22.3	21.568	0.150	0.000	0.0	0	0.0	OK
SW41.000	FSR: 30 years: +0 %: 120 mins: Winter	Pipe	PP1	SW74	21.4	20.902	0.150	4.155	0.1	0.01	0.7	OK
SW42.000	FSR: 30 years: +0 %: 240 mins: Winter	Pipe	PP2	SW75	21.6	20.801	0.150	3.301	0.0	0.01	0.3	OK
SW43.000	FSR: 30 years: +0 %: 30 mins: Winter	Pipe	PP3	SW75	21.2	20.712	0.150	3.494	0.8	0.09	3.6	OK
SW50.000	FSR: 30 years: +0 %: 60 mins: Winter	Pipe	PP4	SW92	21.5	20.974	0.150	1.886	0.1	0.02	1.4	OK
SW47.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP5	SW86	22.6	21.990	0.150	0.000	0.1	0.02	1.0	OK
SW46.000	FSR: 30 years: +0 %: 120 mins: Winter	Pipe	PP7	SW84	22.8	22.260	0.150	2.688	0.0	0.01	0.5	OK
SW48.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP6	SW86	22.7	21.996	0.150	0.001	0.1	0.02	1.0	OK

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SW52.000	FSR: 30 years: +0 %: 120 mins: Winter	Pipe	PP9	SW97	24.4	23.943	0.150	3.057	0.1	0.04	2.1	Surcharged
SW53.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	PP8	SW97	24.6	23.898	0.150	1.973	0.2	0.14	4.4	OK
SW54.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	PP10	SW97	24.6	23.932	0.150	4.109	0.4	0.25	7.5	OK
SW55.000	FSR: 30 years: +0 %: 120 mins: Summer	Pipe	PP11	SW97	24.7	23.919	0.150	0.234	0.0	0.04	0.8	Surcharged
SW60.000	FSR: 30 years: +0 %: 60 mins: Winter	Pipe	PP14	SW108	24.4	23.646	0.150	0.747	0.0	0.02	0.5	OK
SW61.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP13	SW108	24.4	23.623	0.150	0.052	0.0	0.02	0.8	OK
SW62.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP12	SW108	24.6	23.625	0.150	0.450	0.1	0.03	0.9	OK
SW2.000	FSR: 30 years: +0 %: 60 mins: Winter	Pipe	PP15	SW5	24.1	23.461	0.124	1.359	0.1	0.02	0.6	OK
SW3.000	FSR: 30 years: +0 %: 30 mins: Winter	Pipe	PP19	SW5	23.9	23.440	0.150	1.394	0.1	0.03	1.2	OK
SW4.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP20	SW5	23.8	23.105	0.150	0.448	0.2	0.1	3.9	OK
SW5.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP16	SW5	23.5	22.970	0.150	0.000	0.0	0.01	0.2	OK
SW20.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP21	SW34	23.4	22.341	0.150	1.615	1.1	0.08	3.4	OK
SW21.001	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP17	SW34	23.3	22.456	0.150	9.270	1.7	0.44	18.4	Surcharged
SW7.000	FSR: 30 years: +0 %: 60 mins: Winter	Pipe	PP23	SW16	26.0	25.322	0.150	1.086	0.6	0.01	0.6	OK

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SW4.000 (1)	FSR: 30 years: +0 %: 120 mins: Winter	Pipe	PP25	SW10	27.7	26.973	0.150	1.014	0.5	0	0.3	OK
Pipe (19)	FSR: 30 years: +0 %: 30 mins: Summer	Pipe	BASIN J	Manhole (2)	23.5	22.325	0.225	4.008	1.1	0.12	16.3	OK
Pipe (46)	FSR: 30 years: +0 %: 60 mins: Winter	Pipe	Manhole (2)	BASIN I	22.5	22.347	0.146	4.931	0.0	0.01	0.9	Flood Risk
Pipe (47)	FSR: 30 years: +0 %: 30 mins: Summer	Pipe	BASIN I	Manhole (3)	21.5	20.500	0.321	64.685	0.8	0.09	48.8	OK
Pipe (48)	FSR: 30 years: +0 %: 30 mins: Winter	Pipe	BASIN K	Manhole (4)	20.0	19.167	0.391	26.403	0.7	0.05	37.7	OK
SW70.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR03	BR04	23.5	22.925	0.043	1.393	0.0	0	0.0	OK
SW71.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR04	BR05	23.4	22.960	0.034	0.676	0.0	0	0.0	OK
SW21.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP16	PP17	23.6	22.970	0.149	8.702	1.6	0.42	18.6	OK
SW13.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR15	SW21	24.9	24.162	0.148	1.294	0.4	0.02	2.8	OK
SW26.000 (1)	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR14	BR13	23.5	22.916	0.055	0.273	0.3	0.01	0.5	OK
SW76.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR06	SW115	23.2	22.764	0.150	0.714	0.2	0.02	1.2	Surcharged
SW22.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP22	SW34	23.0	22.173	0.150	0.111	0.3	0.09	5.8	Surcharged
SW67.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR11	SW109	24.5	23.886	0.150	0.511	0.1	0.01	1.0	OK
SW31.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR01	SW49	21.8	21.043	0.108	0.000	0.0	0	0.0	OK

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SW65.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR11	SW112	24.9	23.886	0.069	0.449	0.1	0.03	0.9	OK
SW10.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	BR15	SW15	25.0	24.162	0.058	0.122	0.1	0	0.2	OK
SW6.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW9	SW11	27.5	26.859	0.000	0.000	0.0	0	0.0	Surcharged
SW51.009	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	SW113	SW114	23.7	22.176	0.450	118.763	1.4	0.53	218.9	OK
SW24.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR17	BR18	23.0	22.332	0.000	0.000	0.0	0	0.0	OK
SW26.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR18	BR19	22.4	21.552	0.000	0.000	0.0	0	0.0	OK
SW26.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR19	SW36	22.1	21.274	0.150	0.000	0.0	0	0.0	OK
SW72.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR09	SW114	23.6	22.805	0.150	0.000	0.0	0	0.0	OK
SW24.001	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	BR18	SW33	22.5	21.552	0.150	0.000	0.0	0	0.0	OK
SW23.000	FSR: 30 years: +0 %: 30 mins: Winter	Pipe	PP18	SW34	22.9	22.205	0.150	0.565	0.1	0.02	1.0	OK
SW8.000	FSR: 30 years: +0 %: 30 mins: Winter	Pipe	PP24	SW19	25.8	25.139	0.150	2.904	0.4	0.04	3.8	OK
SW5.000 (1)	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	Porous Paving	SW9	27.6	26.498	0.150	0.000	0.2	0.08	3.7	OK
SW9.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (1)	SW18	25.8	25.034	0.150	0.000	0.2	0.06	4.3	OK
SW16.000	FSR: 30 years: +0 %: 30 mins: Winter	Pipe	Porous Paving (2)	SW28	24.4	23.716	0.150	0.000	0.2	0.04	2.8	OK

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SW14.000	FSR: 30 years: +0 %: 30 mins: Winter	Pipe	Porous Paving (2)	SW27	24.7	23.716	0.150	0.000	0.4	0.06	3.6	OK
SW7.003	FSR: 30 years: +0 %: 60 mins: Winter	Pipe	SW18	SW20	25.8	25.134	0.085	41.419	0.7	0.07	9.8	Surcharged
SW17.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP37.1	SW28	24.5	23.739	0.150	0.683	0.1	0.04	1.9	OK
SW18.000	FSR: 30 years: +0 %: 15 mins: Winter	Pipe	PP37	SW28	24.4	23.725	0.150	1.513	0.3	0.07	4.6	Surcharged
SW15.000	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (3)	SW27	24.8	23.991	0.150	0.000	0.0	0	0.0	OK

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FSR: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item

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
SW77.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW117	SW118	26.5	25.322	0.136	9.575	0.8	0.38	20.4	OK
SW77.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW118	SW120	26.2	24.990	0.211	46.350	1.9	0.64	98.0	OK
SW77.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW120	SW126	25.2	24.047	0.284	126.820	2.5	0.45	267.6	OK
SW77.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW126	SW127	24.6	23.463	0.385	135.892	2.0	0.46	287.1	OK
SW77.004	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW127	SW131	24.3	23.265	0.476	163.755	1.7	0.52	346.6	OK
SW77.005	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW131	SW132	24.2	23.168	0.478	165.022	1.7	0.62	350.1	OK
SW77.006	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW132	SW133	24.1	23.066	0.442	172.998	1.9	0.75	367.6	OK
SW78.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW119	SW118	27.9	26.732	0.111	17.274	2.0	0.38	37.2	OK
SW79.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW121	SW120	26.9	25.735	0.137	20.198	1.9	0.44	43.5	OK
SW80.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW122	SW123	26.7	25.440	0.120	11.324	0.9	0.14	24.4	OK
SW80.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW123	SW124	26.2	25.071	0.169	35.695	1.9	0.45	76.6	OK

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SW80.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW124	SW125	26.0	24.808	0.169	37.577	2.0	0.49	80.1	OK
SW80.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW125	SW120	25.8	24.582	0.167	41.912	2.2	0.5	89.0	OK
SW81.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW128	SW129	25.1	23.764	0.225	16.644	1.2	0.56	35.8	OK
SW81.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW129	SW127	24.4	23.379	0.225	26.004	1.4	0.71	54.5	Surcharged
SW82.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW130	SW129	24.4	23.394	0.225	9.343	0.8	0.23	19.6	Surcharged
SW51.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW95	SW96	24.5	23.300	0.100	12.835	1.3	0.22	27.6	OK
SW51.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW96	SW98	24.3	23.051	0.157	16.569	0.8	0.24	30.3	OK
SW51.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW98	SW99	24.1	22.932	0.336	44.127	1.2	0.56	89.7	OK
SW51.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW99	SW101	24.0	22.882	0.450	69.613	1.2	0.47	139.9	Surcharged
SW51.004	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW101	SW103	23.8	22.769	0.450	76.507	1.2	0.76	157.5	Surcharged
SW51.005	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW103	SW105	24.0	22.716	0.450	83.239	1.2	0.61	159.4	Surcharged
SW51.006	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW105	SW107	24.2	22.731	0.450	100.326	1.1	0.8	170.7	Surcharged
SW51.007	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW107	SW109	24.3	22.665	0.450	108.408	1.1	0.84	182.4	Surcharged
SW51.008	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW109	SW113	24.6	22.571	0.450	135.821	1.5	1.28	230.8	Surcharged

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SW25.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW43	SW44	23.3	21.755	0.097	10.031	0.9	0.08	20.2	OK
SW25.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW44	SW46	22.8	21.399	0.166	34.533	1.5	0.24	72.3	OK
SW25.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW46	SW49	22.1	20.718	0.294	60.946	1.7	0.48	126.2	OK
SW25.004	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW49	SW51	21.7	20.536	0.375	75.746	2.0	0.49	156.5	Surcharged
SW25.005	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW51	SW42	21.6	20.480	0.450	87.152	1.5	0.48	180.2	Surcharged
SW24.004	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW42	SW53	21.2	20.298	0.525	100.178	1.2	0.83	200.7	Surcharged
SW24.005	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW53	SW54	21.4	20.335	0.525	112.806	0.9	0.76	182.2	Surcharged
SW24.006	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW54	SW67	21.1	20.269	0.525	193.223	1.4	0.97	313.5	Surcharged
SW24.007	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW67	SW80	21.1	20.004	0.525	245.339	1.8	1.8	391.5	Surcharged
SW52.001	FSR: 100 years: +0 %: 240 mins: Summer	Pipe	SW97	SW96	24.4	23.991	0.044	40.519	0.7	0.02	2.7	Surcharged
SW56.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW100	SW99	23.9	22.886	0.300	12.012	0.6	0.17	25.5	OK
SW57.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW102	SW101	23.8	22.765	0.300	7.999	0.3	0.25	23.4	Surcharged
SW58.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW104	SW103	23.7	22.711	0.225	2.356	0.8	0.08	5.9	Surcharged
SW59.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW106	SW105	23.9	22.662	0.225	3.733	0.4	0.15	9.5	Surcharged

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SW60.001	FSR: 100 years: +0 %: 120 mins: Summer	Pipe	SW108	SW107	24.4	23.684	0.023	10.549	0.7	0.05	1.1	Surcharged
SW63.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW110	SW111	25.2	24.036	0.120	10.121	1.0	0.37	21.7	OK
SW63.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW111	SW112	25.1	23.690	0.144	14.151	1.1	0.46	29.3	OK
SW63.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW112	SW109	25.0	23.643	0.136	23.037	1.9	0.63	47.8	OK
SW27.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW45	SW44	23.0	21.703	0.103	5.802	1.0	0.57	12.4	OK
SW28.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW47	SW48	22.3	20.992	0.082	0.000	0.0	0	0.0	OK
SW28.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW48	SW46	22.5	20.952	0.189	18.120	1.1	0.87	38.2	OK
SW30.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW50	SW49	21.8	20.548	0.225	6.638	0.4	0.3	15.2	OK
SW32.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW52	SW51	22.1	20.920	0.121	5.580	1.3	0.49	12.0	OK
SW51.010	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW114	SW115	23.7	22.216	0.479	184.628	1.6	1.4	318.4	Surcharged
SW51.011	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW115	SW116	23.4	21.768	0.316	216.794	2.8	0.58	374.7	OK
SW3.000 (1)	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW8	SW9	28.2	27.067	0.375	15.814	1.0	0.08	32.0	Surcharged
SW3.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW9	SW11	27.5	27.063	0.059	6.173	0.9	0.02	4.5	Surcharged
SW3.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW11	SW12	26.6	25.307	0.093	18.647	1.4	0.11	31.0	OK

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SW3.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW12	SW13	26.3	24.982	0.103	21.264	1.5	0.12	35.9	OK
SW3.004	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW13	SW14	26.1	24.858	0.097	24.397	1.9	0.13	41.7	OK
SW3.005	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW14	SW15	25.9	24.682	0.108	27.668	1.9	0.13	48.7	OK
SW3.006	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW15	SW21	25.2	23.484	0.117	56.261	2.8	0.13	92.0	OK
SW3.007	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW21	SW25	24.9	22.173	0.350	80.440	1.1	0.67	142.5	OK
SW3.008	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW25	SW26	24.4	22.106	0.397	99.051	1.3	0.74	179.0	OK
SW3.009	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW26	SW31	23.6	22.016	0.383	135.684	1.7	1.2	215.9	OK
SW3.010	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW31	SW32	23.1	21.857	0.417	145.229	2.3	0.5	234.3	OK
SW3.011	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW32	SW33	22.8	21.773	0.450	158.836	2.0	0.52	263.7	Surcharged
SW3.012	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW33	SW35	22.4	21.602	0.450	174.286	1.7	0.7	275.4	Surcharged
SW3.013	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW35	SW36	22.2	21.424	0.450	177.253	1.8	0.76	281.0	Surcharged
SW3.014	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW36	SW37	22.1	21.284	0.450	178.166	1.8	1.42	282.9	Surcharged
SW4.001	FSR: 100 years: +0 %: 30 mins: Summer	Pipe	SW10	SW9	27.6	27.030	0.300	4.757	0.3	0.08	10.2	Surcharged
SW7.001	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW16	SW17	26.0	25.316	0.300	1.778	1.1	0.03	5.0	Surcharged

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SW7.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW17	SW18	26.0	25.362	0.375	11.962	0.4	0.17	27.6	Surcharged
SW7.004	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW20	SW15	25.5	23.816	0.132	24.212	1.0	0.26	33.9	OK
SW8.001	FSR: 100 years: +0 %: 60 mins: Winter	Pipe	SW19	SW18	25.8	25.339	0.300	7.939	0.5	0.03	4.9	Surcharged
SW11.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW22	SW23	23.6	22.393	0.080	9.190	1.1	0.1	19.7	OK
SW11.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW23	SW24	24.0	22.213	0.136	9.182	0.7	0.1	19.6	OK
SW11.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW24	SW21	24.3	22.196	0.269	19.258	0.5	0.25	39.7	OK
SW14.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW27	SW28	24.8	23.878	0.375	10.276	0.6	0.1	31.4	Surcharged
SW14.002	FSR: 100 years: +0 %: 240 mins: Summer	Pipe	SW28	SW26	24.2	23.219	0.140	84.455	0.6	0.07	14.9	Surcharged
SW19.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW29	SW30	23.3	22.054	0.110	3.094	0.5	0.05	6.6	OK
SW19.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW30	SW26	23.5	22.019	0.301	10.374	0.4	0.07	20.2	OK
SW20.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW34	SW33	22.9	22.307	0.300	9.816	1.3	0.05	9.5	Surcharged
SW24.000 (1)	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW38	SW39	21.6	20.511	0.300	18.218	0.9	0.54	38.7	OK
SW24.001 (1)	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW39	SW40	22.1	20.483	0.300	21.256	1.0	0.65	46.3	Surcharged
SW24.002	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW40	SW41	22.3	20.379	0.300	19.066	1.1	0.63	45.2	Surcharged

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SW24.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW41	SW42	21.8	20.446	0.300	21.426	0.8	0.62	53.5	Surcharged
SW1.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW1	SW2	25.2	24.932	0.068	2.513	0.5	0.13	5.4	Flood Risk
SW1.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW2	SW3	25.4	24.833	0.067	5.034	1.1	0.26	10.6	OK
SW1.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW3	SW4	25.3	24.618	0.052	5.018	1.5	0.12	10.6	OK
SW1.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW4	SW7	24.2	22.704	0.235	32.040	1.1	0.87	62.5	OK
SW2.001	FSR: 100 years: +0 %: 30 mins: Summer	Pipe	SW5	SW6	23.7	23.151	0.085	6.274	0.5	0.07	3.0	Surcharged
SW2.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW6	SW4	24.5	22.755	0.189	17.271	0.7	0.44	31.6	OK
SW33.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW55	SW56	23.1	21.945	0.088	5.085	1.0	0.46	10.9	OK
SW33.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW56	SW57	23.1	21.863	0.095	5.076	0.9	0.66	10.7	OK
SW33.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW57	SW59	22.9	21.638	0.091	14.710	2.1	0.3	31.2	OK
SW33.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW59	SW62	22.6	20.915	0.202	33.858	1.4	0.69	71.6	OK
SW33.004	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW62	SW64	22.0	20.668	0.357	53.922	1.5	0.55	118.9	OK
SW33.005	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW64	SW65	21.4	20.515	0.375	60.921	1.3	0.77	121.3	Surcharged
SW33.006	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW65	SW54	21.2	20.243	0.375	71.696	1.8	0.76	149.1	Surcharged

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SW34.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW58	SW57	23.0	21.718	0.023	0.000	0.0	0	0.0	OK
SW35.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW60	SW61	22.2	21.078	0.188	15.831	1.0	0.82	33.7	OK
SW35.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW61	SW59	22.5	20.962	0.202	15.817	0.9	0.81	33.4	OK
SW36.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW63	SW62	22.0	20.799	0.112	9.833	1.0	0.19	21.3	OK
SW37.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW66	SW65	21.4	20.401	0.225	2.928	0.5	0.15	7.3	Surcharged
SW45.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW81	SW82	23.1	22.191	0.150	0.435	0.6	0.08	1.8	Surcharged
SW45.001	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW82	SW83	23.0	22.193	0.150	0.389	0.3	0.12	3.2	Surcharged
SW45.002	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW83	SW85	22.9	22.191	0.150	2.705	0.5	0.37	8.8	Surcharged
SW45.003	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW85	SW87	22.7	22.186	0.110	1.808	0.6	0.09	1.5	Surcharged
SW45.004	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW87	SW88	22.5	21.269	0.153	18.432	1.3	0.72	36.7	OK
SW45.005	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW88	SW89	22.2	20.997	0.300	43.105	1.5	0.52	90.0	OK
SW45.006	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW89	SW94	21.6	20.429	0.300	62.535	1.8	1.76	125.6	Surcharged
SW49.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW90	SW91	21.9	21.338	0.100	5.860	1.5	0.74	11.6	Surcharged
SW49.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW93	SW89	21.6	20.453	0.225	13.289	0.7	0.64	26.1	Surcharged

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SW38.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW68	SW69	21.6	20.303	0.104	9.150	1.1	0.19	19.7	OK
SW38.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW69	SW70	21.4	20.244	0.186	9.144	0.8	0.16	19.8	OK
SW38.002	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW70	SW73	21.4	20.236	0.300	25.055	1.1	0.39	59.1	OK
SW38.003	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW73	SW76	21.2	20.154	0.300	29.566	1.1	0.73	64.4	Surcharged
SW38.004	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW76	SW77	21.1	20.165	0.300	35.878	1.1	0.7	61.6	Surcharged
SW38.005	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW77	SW78	21.1	20.133	0.300	36.111	0.9	0.66	58.2	Surcharged
SW38.006	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW78	SW67	21.2	20.084	0.300	52.541	1.2	0.99	87.2	Surcharged
SW39.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW71	SW70	21.5	20.316	0.159	10.296	1.1	0.3	22.2	OK
SW40.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW72	SW70	21.4	20.240	0.208	5.635	0.6	0.27	11.9	OK
SW41.001	FSR: 100 years: +0 %: 120 mins: Summer	Pipe	SW74	SW75	21.4	20.762	0.150	4.056	0.1	0.07	1.1	Surcharged
SW41.002	FSR: 100 years: +0 %: 30 mins: Summer	Pipe	SW75	SW73	21.3	20.715	0.150	1.179	0.4	0.21	3.0	Surcharged
SW44.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW79	SW78	21.4	20.134	0.225	2.832	0.9	0.08	6.1	OK
SW49.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW91	SW93	21.8	21.090	0.225	2.224	0.5	0.16	6.5	Surcharged
SW50.001	FSR: 100 years: +0 %: 120 mins: Winter	Pipe	SW92	SW91	21.5	21.066	0.225	3.707	0.0	0.04	1.5	Surcharged

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SW47.001	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	SW86	SW85	22.7	22.026	0.150	0.000	0.1	0.06	1.1	Surcharged
SW46.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW84	SW83	22.9	22.215	0.150	0.107	0.2	0.15	2.7	Surcharged
SW24.008	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW80	BASIN K	21.1	19.520	0.344	255.007	3.0	1.87	407.7	OK
SW3.015	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW37	BASIN I	22.6	21.095	0.450	176.205	1.8	1.64	282.8	Surcharged
SW1.004	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW7	BASIN J	23.5	22.566	0.166	39.336	2.0	1.09	77.5	OK
SW77.007	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW133	SW134	24.0	22.894	0.405	183.920	2.2	0.82	391.5	OK
SW77.008	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW134	SW135	23.8	22.636	0.342	217.366	3.1	0.74	461.1	OK
SW29.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR01	SW46	22.1	21.043	0.101	0.000	0.0	0	0.0	OK
SW25.000 (1)	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR02	SW43	23.3	22.278	0.048	1.874	0.9	0.07	3.3	OK
SW26.001 (1)	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR13	SW43	23.5	22.678	0.039	0.270	0.4	0.01	0.5	OK
SW68.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR14	SW113	23.5	22.929	0.150	2.170	0.3	0.09	4.6	OK
SW69.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR03	SW114	23.6	22.926	0.150	2.040	0.2	0.06	4.4	OK
SW70.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR04	SW114	23.5	22.967	0.150	1.606	0.2	0.08	3.5	OK
SW71.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR05	SW114	23.4	22.854	0.150	0.259	0.0	0.02	0.6	OK

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SW73.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR06	SW115	23.2	22.809	0.150	6.248	0.7	0.21	11.4	Surcharged
SW74.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR07	SW115	23.1	22.337	0.150	0.000	0.0	0	0.0	OK
SW75.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR08	SW115	23.7	23.105	0.150	1.403	0.2	0.04	2.7	Surcharged
SW66.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR10	SW109	24.4	23.805	0.150	2.344	0.6	0.08	4.7	OK
SW64.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR12	SW111	24.9	24.387	0.086	2.090	0.5	0.09	4.1	Surcharged
SW12.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR16	SW21	24.7	23.956	0.150	1.413	0.5	0.03	2.9	OK
SW25.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR20	SW36	22.3	21.568	0.150	0.000	0.0	0	0.0	OK
SW41.000	FSR: 100 years: +0 %: 120 mins: Winter	Pipe	PP1	SW74	21.4	20.926	0.150	5.840	0.1	0.02	1.1	OK
SW42.000	FSR: 100 years: +0 %: 120 mins: Winter	Pipe	PP2	SW75	21.6	20.833	0.150	0.635	0.0	0.01	0.4	Surcharged
SW43.000	FSR: 100 years: +0 %: 30 mins: Winter	Pipe	PP3	SW75	21.2	20.725	0.150	3.481	0.4	0.12	4.8	OK
SW50.000	FSR: 100 years: +0 %: 120 mins: Winter	Pipe	PP4	SW92	21.5	21.046	0.150	5.058	0.4	0.02	1.5	Surcharged
SW47.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP5	SW86	22.6	22.031	0.150	0.000	0.1	0.02	1.1	OK
SW46.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP7	SW84	22.8	22.245	0.150	0.094	0.1	0.02	1.2	OK
SW48.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP6	SW86	22.7	22.040	0.150	0.000	0.1	0.03	1.6	OK

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SW52.000	FSR: 100 years: +0 %: 120 mins: Summer	Pipe	PP9	SW97	24.4	23.992	0.150	3.444	0.1	0.04	2.1	Surcharged
SW53.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP8	SW97	24.6	23.940	0.150	2.119	0.3	0.15	4.5	OK
SW54.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	PP10	SW97	24.6	23.963	0.150	4.669	0.4	0.23	6.9	OK
SW55.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP11	SW97	24.7	23.929	0.150	0.000	0.1	0.04	0.9	Surcharged
SW60.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP14	SW108	24.4	23.648	0.150	0.003	0.0	0.02	0.6	OK
SW61.000	FSR: 100 years: +0 %: 30 mins: Summer	Pipe	PP13	SW108	24.4	23.666	0.150	0.127	0.0	0.02	0.8	OK
SW62.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	PP12	SW108	24.6	23.641	0.150	0.383	0.1	0.03	1.1	OK
SW2.000	FSR: 100 years: +0 %: 30 mins: Winter	Pipe	PP15	SW5	24.1	23.476	0.150	1.202	0.1	0.03	0.9	OK
SW3.000	FSR: 100 years: +0 %: 30 mins: Winter	Pipe	PP19	SW5	23.9	23.462	0.150	1.903	0.1	0.04	1.7	OK
SW4.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	PP20	SW5	23.8	23.154	0.150	0.405	0.4	0.17	7.1	OK
SW5.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	PP16	SW5	23.5	22.977	0.150	0.000	0.0	0.01	0.2	OK
SW20.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP21	SW34	23.4	22.347	0.150	2.117	1.0	0.1	4.5	OK
SW21.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP17	SW34	23.3	22.505	0.150	12.906	1.7	0.52	21.7	Surcharged
SW7.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP23	SW16	26.0	25.328	0.150	0.424	0.1	0.03	2.1	OK

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SW4.000 (1)	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP25	SW10	27.7	26.977	0.150	0.000	0.3	0.05	4.5	OK
Pipe (19)	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BASIN J	Manhole (2)	23.5	22.335	0.225	2.784	1.2	0.15	21.1	OK
Pipe (46)	FSR: 100 years: +0 %: 60 mins: Winter	Pipe	Manhole (2)	BASIN I	22.5	22.362	0.184	5.093	0.0	0.01	0.9	Flood Risk
Pipe (47)	FSR: 100 years: +0 %: 30 mins: Summer	Pipe	BASIN I	Manhole (3)	21.5	20.553	0.393	66.708	0.8	0.16	87.2	OK
Pipe (48)	FSR: 100 years: +0 %: 60 mins: Summer	Pipe	BASIN K	Manhole (4)	20.0	19.242	0.450	60.884	0.7	0.06	42.1	OK
SW70.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR03	BR04	23.5	22.926	0.049	1.816	0.0	0	0.0	OK
SW71.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR04	BR05	23.4	22.966	0.039	0.892	0.0	0	0.0	OK
SW21.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	PP16	PP17	23.6	22.980	0.150	12.142	1.7	0.52	23.0	OK
SW13.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR15	SW21	24.9	24.175	0.150	1.692	0.5	0.03	3.7	OK
SW26.000 (1)	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR14	BR13	23.5	22.929	0.056	0.337	0.2	0.01	0.6	OK
SW76.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR06	SW115	23.2	22.831	0.150	0.884	0.2	0.03	1.3	Surcharged
SW22.000	FSR: 100 years: +0 %: 30 mins: Summer	Pipe	PP22	SW34	23.0	22.315	0.150	0.160	0.3	0.09	6.0	Surcharged
SW67.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR11	SW109	24.5	23.903	0.150	0.657	0.2	0.02	1.4	OK
SW31.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR01	SW49	21.8	21.043	0.145	0.000	0.0	0	0.0	OK

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SW65.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR11	SW112	24.9	23.903	0.082	0.584	0.1	0.05	1.2	OK
SW10.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR15	SW15	25.0	24.175	0.066	0.152	0.1	0	0.3	OK
SW6.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW9	SW11	27.5	27.063	0.045	0.677	1.3	0.19	5.8	Surcharged
SW51.009	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	SW113	SW114	23.7	22.341	0.450	153.143	1.6	0.64	261.7	Surcharged
SW24.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR17	BR18	23.0	22.332	0.000	0.000	0.0	0	0.0	OK
SW26.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR18	BR19	22.4	21.552	0.000	0.000	0.0	0	0.0	OK
SW26.001	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	BR19	SW36	22.1	21.278	0.150	0.000	0.0	0	0.1	OK
SW72.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR09	SW114	23.6	22.805	0.150	0.000	0.0	0	0.0	OK
SW24.001	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	BR18	SW33	22.5	21.552	0.150	0.000	0.0	0	0.0	OK
SW23.000	FSR: 100 years: +0 %: 30 mins: Winter	Pipe	PP18	SW34	22.9	22.360	0.150	1.244	0.1	0.04	2.4	Surcharged
SW8.000	FSR: 100 years: +0 %: 60 mins: Winter	Pipe	PP24	SW19	25.8	25.332	0.150	7.954	1.1	0.05	4.8	Surcharged
SW5.000 (1)	FSR: 100 years: +0 %: 120 mins: Winter	Pipe	Porous Paving	SW9	27.6	26.702	0.150	0.000	0.2	0.08	3.7	Surcharged
SW9.000	FSR: 100 years: +0 %: 120 mins: Summer	Pipe	Porous Paving (1)	SW18	25.8	25.219	0.150	0.000	0.2	0.06	4.3	Surcharged
SW16.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	Porous Paving (2)	SW28	24.4	23.800	0.150	0.000	0.2	0.06	3.6	Surcharged

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SW14.000	FSR: 100 years: +0 %: 15 mins: Winter	Pipe	Porous Paving (2)	SW27	24.7	23.800	0.150	0.000	0.2	0.08	4.4	Surcharged
SW7.003	FSR: 100 years: +0 %: 120 mins: Winter	Pipe	SW18	SW20	25.8	25.274	0.082	69.655	0.7	0.07	9.8	Surcharged
SW17.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	PP37.1	SW28	24.5	23.828	0.150	1.200	0.2	0.08	3.8	OK
SW18.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	PP37	SW28	24.4	23.809	0.150	1.854	0.3	0.07	4.4	Surcharged
SW15.000	FSR: 100 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (3)	SW27	24.8	23.991	0.150	0.000	0.0	0	0.0	OK

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FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item

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
SW77.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW117	SW118	26.5	25.343	0.195	13.403	0.9	0.53	28.7	OK
SW77.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW118	SW120	26.2	25.089	0.300	64.897	2.0	0.92	140.9	OK
SW77.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW120	SW126	25.2	24.376	0.450	177.679	2.6	0.61	356.1	Surcharged
SW77.003	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW126	SW127	24.6	24.023	0.450	190.537	2.4	0.6	381.0	Surcharged
SW77.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW127	SW131	24.3	23.765	0.525	229.608	2.1	0.68	456.3	Surcharged
SW77.005	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW131	SW132	24.2	23.586	0.525	231.401	2.1	0.81	458.7	Surcharged
SW77.006	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW132	SW133	24.1	23.441	0.525	242.582	2.2	0.98	480.3	Surcharged
SW78.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW119	SW118	27.9	26.753	0.170	24.201	2.0	0.53	52.1	OK
SW79.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW121	SW120	26.9	25.758	0.225	28.252	1.9	0.61	61.1	OK
SW80.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW122	SW123	26.7	25.454	0.150	15.856	1.0	0.2	34.2	OK
SW80.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW123	SW124	26.2	25.118	0.218	49.987	2.0	0.63	107.1	OK

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SW80.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW124	SW125	26.0	24.859	0.218	52.625	2.1	0.69	112.0	OK
SW80.003	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW125	SW120	25.8	24.635	0.300	58.655	2.4	0.69	123.4	OK
SW81.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW128	SW129	25.1	24.328	0.225	23.301	1.2	0.73	46.4	Surcharged
SW81.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW129	SW127	24.4	23.948	0.225	36.429	1.8	0.94	72.3	Surcharged
SW82.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW130	SW129	24.4	23.972	0.225	13.085	0.8	0.31	26.0	Surcharged
SW51.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW95	SW96	24.5	23.911	0.300	18.030	1.4	0.32	41.6	Surcharged
SW51.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW96	SW98	24.3	23.908	0.300	22.128	0.8	0.41	51.7	Surcharged
SW51.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW98	SW99	24.1	23.894	0.375	60.776	1.2	0.71	113.6	Flood Risk
SW51.003	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW99	SW101	24.0	23.588	0.450	86.506	1.2	0.54	162.0	Surcharged
SW51.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW101	SW103	23.8	23.708	0.450	118.824	1.2	0.9	186.3	Flood Risk
SW51.005	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW103	SW105	24.0	23.610	0.450	129.471	1.3	0.79	206.7	Surcharged
SW51.006	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW105	SW107	24.2	23.507	0.450	139.757	1.4	1.06	226.3	Surcharged
SW51.007	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW107	SW109	24.3	23.394	0.450	150.609	1.5	1.13	245.8	Surcharged
SW51.008	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW109	SW113	24.6	23.234	0.450	189.167	1.9	1.72	308.6	Surcharged

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SW25.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW43	SW44	23.3	21.767	0.116	14.080	1.0	0.1	27.7	OK
SW25.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW44	SW46	22.8	21.424	0.375	48.268	1.6	0.33	101.1	OK
SW25.003	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW46	SW49	22.1	21.253	0.375	76.455	1.7	0.66	172.8	Surcharged
SW25.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW49	SW51	21.7	21.277	0.375	107.879	2.0	0.6	189.0	Surcharged
SW25.005	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW51	SW42	21.6	21.217	0.450	123.778	1.6	0.59	218.8	Surcharged
SW24.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW42	SW53	21.2	21.109	0.525	159.009	1.2	0.92	221.3	Flood Risk
SW24.005	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW53	SW54	21.4	21.017	0.525	159.660	1.0	0.92	221.6	Surcharged
SW24.006	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW54	SW67	21.1	20.899	0.525	272.299	1.9	1.24	402.1	Flood Risk
SW24.007	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW67	SW80	21.1	20.472	0.525	345.001	2.3	2.31	503.3	Surcharged
SW52.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW97	SW96	24.4	24.030	0.300	3.687	0.7	0.1	11.4	Surcharged
SW56.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW100	SW99	23.9	23.591	0.300	15.019	0.7	0.25	38.2	Flood Risk
SW57.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW102	SW101	23.8	23.718	0.300	12.551	0.4	0.27	25.1	Flood Risk
SW58.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW104	SW103	23.7	23.432	0.225	3.306	0.8	0.13	9.4	Flood Risk
SW59.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW106	SW105	23.9	23.512	0.225	5.856	0.5	0.17	10.9	Surcharged

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SW60.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW108	SW107	24.4	23.715	0.150	1.637	0.7	0.25	6.1	Surcharged
SW63.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW110	SW111	25.2	24.057	0.154	14.178	1.1	0.52	30.4	OK
SW63.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW111	SW112	25.1	23.739	0.190	19.829	1.1	0.63	40.7	OK
SW63.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW112	SW109	25.0	23.688	0.175	32.283	2.0	0.88	66.6	OK
SW27.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW45	SW44	23.0	21.725	0.127	8.126	1.1	0.8	17.4	OK
SW28.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW47	SW48	22.3	21.654	0.225	0.001	0.2	0.14	8.1	Surcharged
SW28.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW48	SW46	22.5	21.650	0.225	25.286	1.2	1.06	46.5	Surcharged
SW30.000	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	SW50	SW49	21.8	21.139	0.225	11.181	0.5	0.43	21.5	Surcharged
SW32.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW52	SW51	22.1	21.360	0.150	7.715	1.4	0.7	16.9	Surcharged
SW51.010	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW114	SW115	23.7	22.596	0.525	258.007	2.0	1.87	425.1	Surcharged
SW51.011	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW115	SW116	23.4	21.854	0.388	303.269	2.9	0.77	498.5	OK
SW3.000 (1)	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW8	SW9	28.2	27.235	0.375	22.172	1.0	0.12	46.4	Surcharged
SW3.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW9	SW11	27.5	27.206	0.078	6.154	0.8	0.02	4.5	Flood Risk
SW3.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW11	SW12	26.6	25.344	0.135	26.777	1.6	0.2	58.4	OK

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SW3.003	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW12	SW13	26.3	25.028	0.147	30.482	1.7	0.22	66.5	OK
SW3.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW13	SW14	26.1	24.900	0.133	34.895	2.2	0.24	75.9	OK
SW3.005	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW14	SW15	25.9	24.712	0.142	39.520	2.2	0.22	85.7	OK
SW3.006	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW15	SW21	25.2	23.522	0.149	75.551	3.1	0.2	143.2	OK
SW3.007	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW21	SW25	24.9	22.887	0.450	109.646	1.1	0.86	182.9	Surcharged
SW3.008	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW25	SW26	24.4	22.794	0.450	135.821	1.4	0.93	223.1	Surcharged
SW3.009	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW26	SW31	23.6	22.612	0.450	181.050	1.7	1.49	268.5	Surcharged
SW3.010	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW31	SW32	23.1	22.406	0.450	194.570	2.1	0.61	287.9	Surcharged
SW3.011	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW32	SW33	22.8	22.233	0.450	213.739	2.0	0.63	317.9	Surcharged
SW3.012	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW33	SW35	22.4	21.979	0.450	231.400	2.1	0.86	335.7	Surcharged
SW3.013	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW35	SW36	22.2	21.721	0.450	235.750	2.2	0.92	342.9	Surcharged
SW3.014	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW36	SW37	22.1	21.517	0.450	235.857	2.1	1.7	339.7	Surcharged
SW4.001	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW10	SW9	27.6	27.188	0.300	4.063	0.3	0.11	13.9	Surcharged
SW7.001	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW16	SW17	26.0	25.532	0.300	1.914	1.0	0.04	7.8	Surcharged

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SW7.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW17	SW18	26.0	25.579	0.375	15.947	0.4	0.21	34.5	Surcharged
SW7.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW20	SW15	25.5	23.836	0.152	29.824	1.0	0.33	44.0	OK
SW8.001	FSR: 100 years: +40 %: 120 mins: Summer	Pipe	SW19	SW18	25.8	25.437	0.300	12.089	0.5	0.03	4.9	Surcharged
SW11.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW22	SW23	23.6	22.919	0.375	12.887	1.2	0.14	28.9	Surcharged
SW11.001	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW23	SW24	24.0	22.659	0.375	11.498	0.7	0.21	41.5	Surcharged
SW11.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW24	SW21	24.3	22.905	0.375	27.015	0.6	0.39	61.9	Surcharged
SW14.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW27	SW28	24.8	24.103	0.375	9.966	0.6	0.14	44.9	Surcharged
SW14.002	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW28	SW26	24.2	24.062	0.375	20.277	0.7	0.13	26.1	Flood Risk
SW19.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW29	SW30	23.3	22.614	0.375	4.350	0.5	0.14	19.2	Surcharged
SW19.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW30	SW26	23.5	22.617	0.375	14.546	0.5	0.14	40.6	Surcharged
SW20.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW34	SW33	22.9	22.430	0.300	9.457	1.2	0.06	11.7	Surcharged
SW24.000 (1)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW38	SW39	21.6	21.171	0.300	22.778	1.0	0.73	52.3	Surcharged
SW24.001 (1)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW39	SW40	22.1	21.125	0.300	26.627	1.0	0.85	61.0	Surcharged
SW24.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW40	SW41	22.3	21.249	0.300	29.949	1.1	0.68	48.3	Surcharged

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SW24.003	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	SW41	SW42	21.8	20.990	0.300	36.037	0.8	0.65	56.0	Surcharged
SW1.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW1	SW2	25.2	24.943	0.082	3.516	0.6	0.18	7.5	Flood Risk
SW1.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW2	SW3	25.4	24.850	0.081	7.046	1.2	0.36	14.8	OK
SW1.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW3	SW4	25.3	24.628	0.062	7.029	1.7	0.16	14.9	OK
SW1.003	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW4	SW7	24.2	22.816	0.300	43.707	1.1	1.12	79.7	Surcharged
SW2.001	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW5	SW6	23.7	23.266	0.135	4.047	0.5	0.11	4.4	Surcharged
SW2.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW6	SW4	24.5	22.859	0.297	22.986	0.7	0.56	40.3	OK
SW33.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW55	SW56	23.1	21.970	0.115	7.123	1.1	0.64	15.3	OK
SW33.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW56	SW57	23.1	21.892	0.121	7.114	1.0	0.93	15.0	OK
SW33.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW57	SW59	22.9	21.661	0.213	20.571	2.2	0.43	43.7	OK
SW33.003	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW59	SW62	22.6	21.403	0.300	42.221	1.5	0.92	94.8	Surcharged
SW33.004	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	SW62	SW64	22.0	21.182	0.375	90.643	1.5	0.64	138.0	Surcharged
SW33.005	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW64	SW65	21.4	21.279	0.375	85.386	1.3	0.91	142.1	Flood Risk
SW33.006	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW65	SW54	21.2	21.047	0.375	112.726	1.7	0.93	182.4	Flood Risk

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SW34.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW58	SW57	23.0	21.718	0.034	0.000	0.0	0	0.0	OK
SW35.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW60	SW61	22.2	21.807	0.225	22.124	1.2	1.14	46.6	Surcharged
SW35.001	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW61	SW59	22.5	21.449	0.225	19.786	1.1	1.08	44.1	Surcharged
SW36.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW63	SW62	22.0	21.266	0.300	12.297	1.0	0.26	28.6	Surcharged
SW37.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW66	SW65	21.4	21.055	0.225	4.098	0.5	0.2	10.0	Surcharged
SW45.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW81	SW82	23.1	22.326	0.150	0.591	0.5	0.1	2.2	Surcharged
SW45.001	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW82	SW83	23.0	22.323	0.150	0.673	0.4	0.16	4.2	Surcharged
SW45.002	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW83	SW85	22.9	22.316	0.150	4.476	0.6	0.43	10.4	Surcharged
SW45.003	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW85	SW87	22.7	22.323	0.150	1.874	0.6	0.33	5.9	Surcharged
SW45.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW87	SW88	22.5	21.631	0.225	25.185	1.3	0.95	47.9	Surcharged
SW45.005	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW88	SW89	22.2	21.380	0.300	59.773	1.6	0.67	115.6	Surcharged
SW45.006	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW89	SW94	21.6	20.849	0.300	86.237	2.3	2.28	163.1	Surcharged
SW49.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW90	SW91	21.9	21.717	0.100	8.296	2.1	1.07	16.6	Flood Risk
SW49.002	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW93	SW89	21.6	20.887	0.225	17.872	0.9	0.86	35.2	Surcharged

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SW38.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW68	SW69	21.6	20.698	0.300	11.444	1.1	0.25	26.0	Surcharged
SW38.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW69	SW70	21.4	20.871	0.300	12.815	0.8	0.21	26.5	Surcharged
SW38.002	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW70	SW73	21.4	20.691	0.300	31.343	1.1	0.45	68.8	Surcharged
SW38.003	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	SW73	SW76	21.2	20.641	0.300	56.258	1.0	0.78	68.5	Surcharged
SW38.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW76	SW77	21.1	20.753	0.300	50.088	1.1	0.8	70.1	Surcharged
SW38.005	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW77	SW78	21.1	20.698	0.300	50.435	1.0	0.84	73.5	Surcharged
SW38.006	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW78	SW67	21.2	20.604	0.300	73.548	1.5	1.18	103.5	Surcharged
SW39.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW71	SW70	21.5	20.706	0.225	12.874	1.2	0.41	29.7	Surcharged
SW40.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW72	SW70	21.4	20.696	0.225	7.043	0.6	0.33	14.8	Surcharged
SW41.001	FSR: 100 years: +40 %: 120 mins: Winter	Pipe	SW74	SW75	21.4	20.847	0.150	6.867	0.1	0.12	1.8	Surcharged
SW41.002	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW75	SW73	21.3	20.711	0.150	0.201	0.4	0.36	5.2	Surcharged
SW44.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW79	SW78	21.4	20.479	0.225	3.537	0.9	0.1	8.0	Surcharged
SW49.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW91	SW93	21.8	21.183	0.225	2.344	0.5	0.31	12.8	Surcharged
SW50.001	FSR: 100 years: +40 %: 120 mins: Winter	Pipe	SW92	SW91	21.5	21.191	0.225	0.000	0.0	0.04	1.6	Surcharged

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SW47.001	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	SW86	SW85	22.7	22.095	0.150	0.000	0.1	0.07	1.2	Surcharged
SW46.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW84	SW83	22.9	22.306	0.150	0.367	0.3	0.33	5.9	Surcharged
SW24.008	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW80	BASIN K	21.1	19.689	0.448	357.961	3.3	2.41	525.3	Surcharged
SW3.015	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW37	BASIN I	22.6	21.243	0.450	233.219	2.1	1.98	340.4	Surcharged
SW1.004	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW7	BASIN J	23.5	22.626	0.205	53.941	2.1	1.4	100.3	OK
SW77.007	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW133	SW134	24.0	23.185	0.525	257.923	2.4	1.07	510.7	Surcharged
SW77.008	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW134	SW135	23.8	22.825	0.473	304.730	3.1	0.98	606.3	Surcharged
SW29.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR01	SW46	22.1	21.275	0.150	0.315	0.8	0.17	10.8	Surcharged
SW25.000 (1)	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR02	SW43	23.3	22.301	0.055	2.647	1.1	0.08	4.0	OK
SW26.001 (1)	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR13	SW43	23.5	22.690	0.045	0.388	0.4	0.02	0.8	Surcharged
SW68.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR14	SW113	23.5	22.965	0.150	3.046	0.4	0.12	6.4	Surcharged
SW69.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR03	SW114	23.6	22.928	0.150	2.871	0.3	0.09	6.2	OK
SW70.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR04	SW114	23.5	22.976	0.150	2.291	0.3	0.12	5.0	Surcharged
SW71.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR05	SW114	23.4	22.860	0.150	0.373	0.0	0.03	0.9	OK

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SW73.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR06	SW115	23.2	23.047	0.150	9.859	0.8	0.21	11.5	Surcharged
SW74.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR07	SW115	23.1	22.337	0.150	0.000	0.0	0	0.0	OK
SW75.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR08	SW115	23.7	23.131	0.150	2.106	0.2	0.06	4.1	Surcharged
SW66.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR10	SW109	24.4	23.840	0.150	3.282	0.7	0.11	6.6	Surcharged
SW64.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR12	SW111	24.9	24.477	0.112	2.930	0.6	0.11	5.2	Surcharged
SW12.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR16	SW21	24.7	23.975	0.150	1.981	0.4	0.04	4.1	OK
SW25.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR20	SW36	22.3	21.568	0.150	0.000	0.0	0	0.0	OK
SW41.000	FSR: 100 years: +40 %: 120 mins: Winter	Pipe	PP1	SW74	21.4	20.962	0.150	8.000	0.1	0.02	1.8	Surcharged
SW42.000	FSR: 100 years: +40 %: 120 mins: Winter	Pipe	PP2	SW75	21.6	20.905	0.150	0.754	0.0	0.01	0.6	Surcharged
SW43.000	FSR: 100 years: +40 %: 30 mins: Winter	Pipe	PP3	SW75	21.2	20.749	0.150	3.575	0.4	0.15	6.0	OK
SW50.000	FSR: 100 years: +40 %: 120 mins: Winter	Pipe	PP4	SW92	21.5	21.171	0.150	0.531	0.1	0.02	1.5	Surcharged
SW47.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	PP5	SW86	22.6	22.074	0.150	0.000	0.1	0.02	1.0	Surcharged
SW46.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP7	SW84	22.8	22.305	0.150	0.167	0.3	0.1	5.1	OK
SW48.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP6	SW86	22.7	22.116	0.150	0.000	0.2	0.05	2.7	Surcharged

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SW52.000	FSR: 100 years: +40 %: 360 mins: Summer	Pipe	PP9	SW97	24.4	24.093	0.150	8.098	0.1	0.04	2.1	Surcharged
SW53.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP8	SW97	24.6	24.025	0.150	2.332	0.3	0.16	4.8	Surcharged
SW54.000	FSR: 100 years: +40 %: 30 mins: Winter	Pipe	PP10	SW97	24.6	24.109	0.150	6.332	0.4	0.22	6.6	Surcharged
SW55.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP11	SW97	24.7	24.011	0.150	0.000	0.1	0.05	1.0	Surcharged
SW60.000	FSR: 100 years: +40 %: 240 mins: Summer	Pipe	PP14	SW108	24.4	23.736	0.150	2.042	0.0	0.02	0.5	Surcharged
SW61.000	FSR: 100 years: +40 %: 30 mins: Winter	Pipe	PP13	SW108	24.4	23.760	0.150	0.085	0.0	0.01	0.7	Surcharged
SW62.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP12	SW108	24.6	23.711	0.150	0.076	0.1	0.03	1.2	OK
SW2.000	FSR: 100 years: +40 %: 30 mins: Winter	Pipe	PP15	SW5	24.1	23.499	0.150	1.811	0.1	0.04	1.5	OK
SW3.000	FSR: 100 years: +40 %: 30 mins: Winter	Pipe	PP19	SW5	23.9	23.494	0.150	2.781	0.2	0.06	2.7	Surcharged
SW4.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP20	SW5	23.8	23.290	0.150	0.337	0.5	0.24	9.7	Surcharged
SW5.000	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	PP16	SW5	23.5	22.993	0.150	0.000	0.0	0.01	0.3	OK
SW20.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP21	SW34	23.4	22.428	0.150	2.368	1.1	0.15	6.4	OK
SW21.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP17	SW34	23.3	22.700	0.150	18.534	1.6	0.53	22.2	Surcharged
SW7.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	PP23	SW16	26.0	25.375	0.150	0.000	0.3	0.09	5.8	OK

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SW4.000 (1)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	PP25	SW10	27.7	26.997	0.150	0.000	0.5	0.1	8.8	OK
Pipe (19)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BASIN J	Manhole (2)	23.5	22.353	0.225	2.848	1.3	0.21	29.0	OK
Pipe (46)	FSR: 100 years: +40 %: 120 mins: Winter	Pipe	Manhole (2)	BASIN I	22.5	22.392	0.225	11.410	0.1	0.01	1.0	Flood Risk
Pipe (47)	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	BASIN I	Manhole (3)	21.5	20.640	0.450	68.304	0.8	0.19	98.7	OK
Pipe (48)	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BASIN K	Manhole (4)	20.0	19.206	0.431	9.976	0.9	0.06	46.3	OK
SW70.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR03	BR04	23.5	22.927	0.058	2.560	0.0	0	0.0	OK
SW71.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR04	BR05	23.4	22.975	0.046	1.268	0.0	0	0.0	Surcharged
SW21.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	PP16	PP17	23.6	23.026	0.150	18.334	1.7	0.69	30.4	OK
SW13.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR15	SW21	24.9	24.300	0.150	2.125	0.7	0.03	3.8	Surcharged
SW26.000 (1)	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR14	BR13	23.5	22.965	0.058	0.456	0.2	0.03	1.2	Surcharged
SW76.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR06	SW115	23.2	22.991	0.150	1.074	0.2	0.03	1.3	Surcharged
SW22.000	FSR: 100 years: +40 %: 60 mins: Winter	Pipe	PP22	SW34	23.0	22.560	0.150	0.299	0.3	0.09	6.0	Surcharged
SW67.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR11	SW109	24.5	23.940	0.150	0.818	0.1	0.02	1.7	Surcharged
SW31.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR01	SW49	21.8	21.581	0.150	0.085	0.5	0.13	8.5	Flood Risk

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SW65.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR11	SW112	24.9	23.960	0.106	0.825	0.2	0.06	1.5	Surcharged
SW10.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR15	SW15	25.0	24.300	0.082	0.181	0.1	0	0.3	Surcharged
SW6.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW9	SW11	27.5	27.206	0.088	4.032	1.8	0.64	19.1	Flood Risk
SW51.009	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	SW113	SW114	23.7	22.822	0.450	213.490	2.2	0.84	346.6	Surcharged
SW24.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR17	BR18	23.0	22.332	0.000	0.000	0.0	0	0.0	OK
SW26.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR18	BR19	22.4	21.552	0.003	0.000	0.0	0	0.0	OK
SW26.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR19	SW36	22.1	21.720	0.150	0.000	0.2	0.05	3.0	Surcharged
SW72.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	BR09	SW114	23.6	22.805	0.150	0.000	0.0	0	0.0	OK
SW24.001	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	BR18	SW33	22.5	21.665	0.150	0.077	0.2	0.04	3.5	OK
SW23.000	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	PP18	SW34	22.9	22.465	0.150	1.169	0.1	0.04	2.3	Surcharged
SW8.000	FSR: 100 years: +40 %: 120 mins: Summer	Pipe	PP24	SW19	25.8	25.430	0.150	12.087	1.1	0.05	4.8	Surcharged
SW5.000 (1)	FSR: 100 years: +40 %: 240 mins: Winter	Pipe	Porous Paving	SW9	27.6	26.894	0.150	0.000	0.2	0.08	3.7	Surcharged
SW9.000	FSR: 100 years: +40 %: 240 mins: Winter	Pipe	Porous Paving (1)	SW18	25.8	25.386	0.150	0.000	0.2	0.06	4.1	Surcharged
SW16.000	FSR: 100 years: +40 %: 30 mins: Summer	Pipe	Porous Paving (2)	SW28	24.4	24.012	0.150	0.000	0.2	0.05	3.4	Surcharged

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SW14.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (2)	SW27	24.7	23.929	0.150	0.000	0.2	0.08	4.3	Surcharged
SW7.003	FSR: 100 years: +40 %: 60 mins: Winter	Pipe	SW18	SW20	25.8	25.506	0.093	58.461	0.7	0.07	9.8	Flood Risk
SW17.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	PP37.1	SW28	24.5	24.034	0.150	1.468	0.3	0.09	4.5	Surcharged
SW18.000	FSR: 100 years: +40 %: 15 mins: Summer	Pipe	PP37	SW28	24.4	24.024	0.150	0.902	0.3	0.07	4.5	Surcharged
SW15.000	FSR: 100 years: +40 %: 15 mins: Winter	Pipe	Porous Paving (3)	SW27	24.8	24.039	0.150	0.000	0.3	0.08	5.0	OK