

Project:	Date: 21/10/2024		
	Designed by: will.dawson	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: S104 SW Network		Company Address:	



Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
B-SW37	Manhole	411177.949	414742.102	233.801	1.671	232.130	0.000	Circular
NW2-S14	Manhole	411288.615	414491.053	232.894	3.955	228.939	0.000	Circular
B-SW40	Manhole	411165.000	414764.805	232.558	1.739	230.819	0.000	Circular
B-SW42	Manhole	411152.293	414782.625	231.707	1.392	230.315	0.000	Circular
B-SW13	Manhole	411298.848	414561.501	231.347	1.622	229.725	0.000	Circular
B-SW10	Manhole	411273.721	414637.112	231.780	2.261	229.519	0.000	Circular
B-SW9	Manhole	411271.186	414652.762	231.523	1.770	229.753	0.000	Circular
B-SW5	Manhole	411258.700	414666.928	231.602	1.350	230.252	0.000	Circular
B-SW11	Manhole	411301.675	414588.484	231.020	2.177	228.843	0.000	Circular
B-SW14	Manhole	411310.240	414565.702	230.494	1.813	228.681	0.000	Circular
B-SW19	Manhole	411364.727	414443.615	229.981	3.097	226.884	0.000	Circular
B-SW3	Manhole	411361.861	414501.421	228.827	1.486	227.341	0.000	Circular
B-SW20	Manhole	411373.063	414468.887	229.182	1.500	227.682	0.000	Circular
B-SW4	Manhole	411357.757	414513.330	228.765	1.954	226.811	0.000	Circular
B-SW21	Manhole	411381.174	414450.638	228.796	2.091	226.705	0.000	Circular
B-SW38	Manhole	411245.754	414802.326	228.562	1.875	226.687	0.000	Circular
B-SW43	Manhole	411166.911	414812.148	228.947	2.101	226.846	0.000	Circular
B-SW6	Manhole	411318.174	414667.944	227.941	1.425	226.516	0.000	Circular
B-SW39	Manhole	411261.711	414812.014	227.372	1.780	225.592	0.000	Circular
B-SW16	Manhole	411360.700	414582.593	227.575	2.964	224.611	0.000	Circular
B-SW8	Manhole	411357.631	414591.130	227.462	2.791	224.671	0.000	Circular
B-SW18	Manhole	411382.421	414522.178	226.947	2.550	224.397	0.000	Circular
B-SW7	Manhole	411333.862	414657.239	226.848	1.490	225.358	0.000	Circular
B-SW26	Manhole	411370.552	414597.897	226.869	1.389	225.480	0.000	Circular
B-SW22	Manhole	411414.188	414464.675	226.416	1.881	224.535	0.000	Circular
B-SW57	Manhole	411331.449	414717.972	225.186	1.920	223.266	0.000	Circular
B-SW49	Manhole	411277.459	414817.109	226.263	2.563	223.700	0.000	Circular
B-SW27	Manhole	411392.710	414605.948	225.691	1.433	224.258	0.000	Circular
B-SW58	Manhole	411349.148	414729.566	224.244	1.640	222.604	0.000	Circular
B-SW28	Manhole	411403.734	414614.042	225.203	1.769	223.434	0.000	Circular
B-SW59	Manhole	411361.776	414735.329	223.539	1.500	222.039	0.000	Circular
B-SW23	Manhole	411452.785	414478.580	223.754	1.494	222.260	0.000	Circular
B-SW29	Manhole	411420.428	414591.310	225.189	2.195	222.994	0.101	Circular
B-SW24	Manhole	411459.927	414486.971	223.354	1.500	221.854	0.000	Circular
B-SW25	Manhole	411460.040	414496.870	223.231	1.570	221.661	0.000	Circular
B-SW31	Manhole	411443.549	414543.986	222.686	2.222	220.464	0.000	Circular
B-SW50	Manhole	411350.654	414840.675	222.549	1.949	220.600	0.000	Circular
B-SW63	Manhole	411420.564	414675.720	222.074	4.020	218.054	0.000	Circular
B-SW51	Manhole	411370.523	414836.310	222.227	2.025	220.202	0.000	Circular
B-SW62	Manhole	411419.773	414689.929	221.942	3.839	218.103	0.000	Circular
B-SW64	Manhole	411425.652	414653.361	221.943	4.036	217.907	0.000	Circular
B-SW60	Manhole	411404.579	414741.251	221.444	1.807	219.637	0.000	Circular
B-SW32	Manhole	411488.153	414559.642	219.459	3.722	215.737	0.000	Circular
B-SW65	Manhole	411455.911	414568.896	221.160	3.464	217.696	0.000	Circular
B-SW61	Manhole	411419.685	414741.380	221.223	2.879	218.344	0.000	Circular
B-SW67	Manhole	411448.096	414643.798	220.989	1.387	219.602	0.000	Circular
B-SW52	Manhole	411399.467	414801.520	221.597	2.519	219.078	0.000	Circular
B-SW54	Manhole	411416.496	414761.066	221.054	2.518	218.536	0.000	Circular
B-SW53	Manhole	411409.542	414781.141	221.364	2.635	218.729	0.000	Circular
B-SW68	Manhole	411471.825	414651.035	219.175	1.496	217.679	0.000	Circular
B-SW33	Manhole	411504.861	414564.185	218.308	4.169	214.139	0.000	Circular
B-SW69	Manhole	411502.364	414647.026	216.973	2.068	214.905	0.000	Circular
B-SW36	Manhole	411525.975	414556.944	216.793	4.815	211.978	0.000	Circular
B-SW35	Manhole	411536.594	414545.594	215.755	3.206	212.549	0.000	Circular
B-SW66	Manhole	411498.274	414584.413	218.605	4.113	214.492	0.101	Circular
B-SW71	Manhole	411540.179	414642.953	214.231	2.543	211.688	0.000	Circular
B-SW70	Manhole	411550.256	414649.106	213.303	1.347	211.956	0.000	Circular
B-SW34	Manhole	411559.494	414518.706	213.584	0.800	212.784	0.000	Circular

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B-SW72	Manhole	411544.041	414625.219	214.330	2.824	211.506	0.101	Circular
B-SW73	Manhole	411583.196	414586.315	214.330	4.197	210.133	0.000	Circular
B-CW01	Manhole	411598.962	414580.183	210.658	1.454	209.204	0.029	Circular
EXMH1	Manhole	411614.839	414558.089	210.131	1.709	208.422	0.029	Circular
B-SW48	Manhole	411227.869	414861.809	226.022	1.797	224.225	0.000	Circular
B-SW47	Manhole	411211.663	414851.072	226.832	2.064	224.768	0.000	Circular
B-SW12	Manhole	411309.004	414568.991	230.530	1.826	228.704	0.000	Circular
B-SW15	Manhole	411355.697	414580.919	227.728	1.497	226.231	0.000	Circular
B-SW17	Manhole	411380.428	414527.721	226.924	2.507	224.417	0.000	Circular
B-SW30	Manhole	411434.744	414561.909	223.164	1.875	221.289	0.000	Circular
Care Home	Manhole	411361.247	414422.163	231.700	2.612	229.088	0.000	Circular
B-SW1	Manhole	411299.993	414495.133	232.464	3.606	228.858	0.000	Circular
B-SW2	Manhole	411331.025	414504.909	230.566	1.972	228.594	0.000	Circular
B-CW02	Manhole	411602.031	414577.452	210.576	1.561	209.015	0.000	Circular
B-SW41	Manhole	411157.220	414763.498	232.594	1.854	230.740	0.000	Circular
B-SW44	Manhole	411190.514	414836.931	227.171	1.352	225.819	0.000	Circular
B-SW45	Manhole	411228.652	414817.478	228.217	1.433	226.784	0.000	Circular
B-SW46	Manhole	411217.695	414842.365	227.221	2.347	224.874	0.000	Circular
B-SW55	Manhole	411227.971	414766.190	231.105	1.350	229.755	0.000	Circular
B-SW56	Manhole	411264.651	414748.506	230.533	1.844	228.689	0.000	Circular
B-SW56b	Manhole	411318.207	414737.585	225.652	1.852	223.800	0.000	Circular
B-SW56a	Manhole	411274.373	414743.501	230.293	2.697	227.596	0.000	Circular

Name	Diameter (m)	Part Family	Lock
B-SW37	1.500	Adept MH	None
NW2-S14	1.500	Adept MH	None
B-SW40	1.200	Adept MH	None
B-SW42	1.200	Adept MH	None
B-SW13	1.200	Adept MH	None
B-SW10	1.200	Adept MH	None
B-SW9	1.200	Adept MH	None
B-SW5	1.200	Adept MH	None
B-SW11	1.350	Adept MH	None
B-SW14	1.500	Adept MH	None
B-SW19	1.200	Adept MH	None
B-SW3	1.200	Adept MH	All
B-SW20	1.200	Adept MH	None
B-SW4	1.800	Adept MH	None
B-SW21	1.350	Adept MH	None
B-SW38	1.200	Adept MH	None
B-SW43	1.200	Adept MH	None
B-SW6	1.200	Adept MH	None
B-SW39	1.200	Adept MH	None
B-SW16	1.800	Adept MH	None
B-SW8	1.800	Adept MH	None
B-SW18	2.100	Adept MH	None
B-SW7	1.200	Adept MH	None
B-SW26	1.200	Adept MH	None
B-SW22	1.500	Adept MH	None
B-SW57	1.200	Adept MH	None
B-SW49	1.800	Adept MH	None
B-SW27	1.350	Adept MH	None
B-SW58	1.500	Adept MH	None
B-SW28	1.500	Adept MH	None
B-SW59	1.350	Adept MH	None
B-SW23	1.200	Adept MH	None
B-SW29	1.350	Adept MH	None
B-SW24	1.200	Adept MH	None
B-SW25	1.350	Adept MH	None
B-SW31	2.400	Adept MH	None

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B-SW50	1.800	Adept MH	None
B-SW63	1.800	Adept MH	None
B-SW51	1.500	Adept MH	None
B-SW62	2.100	Adept MH	None
B-SW64	1.800	Adept MH	None
B-SW60	1.800	Adept MH	None
B-SW32	1.800	Adept MH	None
B-SW65	2.100	Adept MH	None
B-SW61	2.100	Adept MH	None
B-SW67	1.350	Adept MH	None
B-SW52	1.800	Adept MH	None
B-SW54	1.800	Adept MH	None
B-SW53	1.800	Adept MH	None
B-SW68	1.200	Adept MH	None
B-SW33	1.800	Adept MH	None
B-SW69	1.800	Adept MH	None
B-SW36	1.800	Adept MH	None
B-SW35	1.200	Adept MH	None
B-SW66	2.100	Adept MH	None
B-SW71	1.500	Adept MH	None
B-SW70	1.200	Adept MH	None
B-SW34	1.200	Adept MH	None
B-SW72	1.500	Adept MH	None
B-SW73	3.000	Adept MH	None
B-CW01	1.500	Adept MH	None
EXMH1	1.200	Adept MH	None
B-SW48	1.500	Adept MH	None
B-SW47	1.500		None
B-SW12	1.500		None
B-SW15	1.350		None
B-SW17	1.800		None
B-SW30	1.500		None
Care Home	1.500		None
B-SW1	1.500		None
B-SW2	1.500		None
B-CW02	1.350		None
B-SW41	1.200		None
B-SW44	1.200		None
B-SW45	1.200		None
B-SW46	1.350		None
B-SW55	1.200		None
B-SW56	1.350		None
B-SW56b	1.350		None
B-SW56a	1.200		None

Outlets

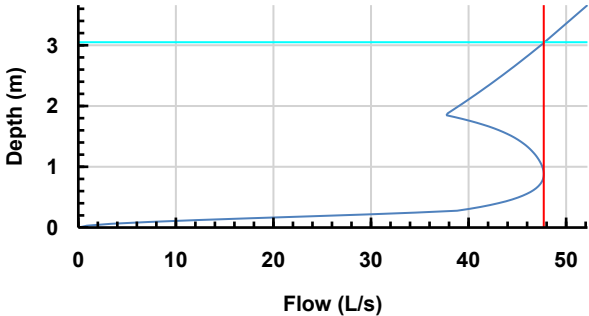
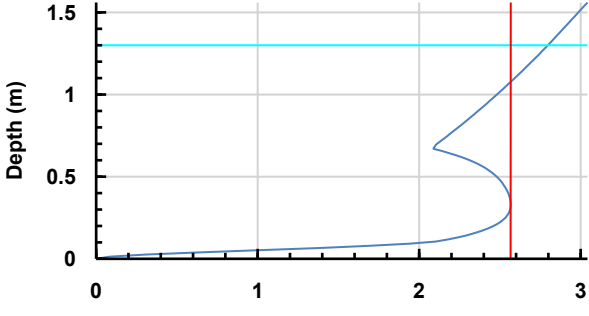
Junction	Outlet Name	Outgoing Connection	Outlet Type
B-SW37	Outlet	10.000	Free Discharge
NW2-S14	Outlet	Pipe	Free Discharge
B-SW40	Outlet	12.000	Free Discharge
B-SW42	Outlet	12.002	Free Discharge
B-SW13	Outlet	4.000	Free Discharge
B-SW10	Outlet	5.001	Free Discharge
B-SW9	Outlet	5.000	Free Discharge
B-SW5	Outlet	3.000	Free Discharge
B-SW11	Outlet	5.002	Free Discharge
B-SW14	Outlet	4.001	Free Discharge
B-SW19	Outlet	6.000	Free Discharge
B-SW3	Outlet	2.000	Free Discharge
B-SW20	Outlet	7.000	Free Discharge
B-SW4	Outlet	1.002	Free Discharge

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Junction	Outlet Name	Outgoing Connection	Outlet Type
B-SW21	Outlet	6.001	Free Discharge
B-SW38	Outlet	10.001	Free Discharge
B-SW43	Outlet	12.003	Free Discharge
B-SW6	Outlet	3.001	Free Discharge
B-SW39	Outlet	10.002	Free Discharge
B-SW16	Outlet	3.004	Free Discharge
B-SW8	Outlet	3.003	Free Discharge
B-SW18	Outlet	1.003	Free Discharge
B-SW7	Outlet	3.002	Free Discharge
B-SW26	Outlet	8.000	Free Discharge
B-SW22	Outlet	6.002	Free Discharge
B-SW57	Outlet	11.004	Free Discharge
B-SW49	Outlet	10.003	Free Discharge
B-SW27	Outlet	8.001	Free Discharge
B-SW58	Outlet	11.005	Free Discharge
B-SW28	Outlet	8.002	Free Discharge
B-SW59	Outlet	11.006	Free Discharge
B-SW23	Outlet	6.003	Free Discharge
B-SW29	Outlet	8.003	Free Discharge
B-SW24	Outlet	6.004	Free Discharge
B-SW25	Outlet	6.005	Free Discharge
B-SW31	Outlet	1.004	Free Discharge
B-SW50	Outlet	10.004	Free Discharge
B-SW63	Outlet	10.011	Free Discharge
B-SW51	Outlet	10.005	Free Discharge
B-SW62	Outlet	10.010	Free Discharge
B-SW64	Outlet	10.0012	Free Discharge
B-SW60	Outlet	11.007	Free Discharge
B-SW32	Outlet	1.005	Free Discharge
B-SW65	Outlet	10.013	Free Discharge
B-SW61	Outlet	10.009	Free Discharge
B-SW67	Outlet	14.000	Free Discharge
B-SW52	Outlet	10.006	Free Discharge
B-SW54	Outlet	10.008	Free Discharge
B-SW53	Outlet	10.007	Free Discharge
B-SW68	Outlet	14.001	Free Discharge
B-SW33	Outlet	1.006	Free Discharge
B-SW69	Outlet	14.002	Free Discharge
B-SW36	Outlet	1.007	Free Discharge
B-SW35	Outlet	9.001	Free Discharge
B-SW66	Outlet	10.014	Free Discharge
B-SW71	Outlet	14.003	Free Discharge
B-SW70	Outlet	15.000	Free Discharge
B-SW34	Outlet	9.000	Free Discharge
B-SW72	Outlet	14.004	Free Discharge
	Outlet (1)	1.009	Hydro-Brake®

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Junction	Outlet Name	Outgoing Connection	Outlet Type
B-SW73	Invert Level (m)	210.133	
	Design Depth (m)	3.050	
	Design Flow (L/s)	47.8	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0260-4780-3050-4780	
			
	B-CW01	Outlet 1.010	Free Discharge
	B-SW48	Outlet 12.006	Free Discharge
Care Home	B-SW47	Outlet 12.005	Free Discharge
	B-SW12	Outlet 5.003	Free Discharge
	B-SW15	Outlet 4.002	Free Discharge
	B-SW17	Outlet 3.005	Free Discharge
	B-SW30	Outlet 8.004	Free Discharge
	Outlet	6.000c2	Hydro-Brake®
	Invert Level (m)	229.088	
	Design Depth (m)	1.300	
	Design Flow (L/s)	2.8	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0075-2800-1300-2800	
			
B-SW1	Outlet	1.000	Free Discharge
B-SW2	Outlet	1.001	Free Discharge
B-CW02	Outlet	1.011	Free Discharge
B-SW41	Outlet	12.001	Free Discharge
B-SW44	Outlet	12.004	Free Discharge
B-SW45	Outlet	13.000	Free Discharge
B-SW46	Outlet	13.001	Free Discharge
B-SW55	Outlet	11.000	Free Discharge
B-SW56	Outlet	11.001	Free Discharge

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Junction	Outlet Name	Outgoing Connection	Outlet Type
B-SW56b	Outlet	11.003	Free Discharge
B-SW56a	Outlet	11.002	Free Discharge

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Type: Stormwater Controls Storm Phase: S104 SW Network				



Tank

Type : Tank

Dimensions

Exceedance Level (m)	213.806
Depth (m)	3.600
Base Level (m)	210.206
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	4943.761

Depth (m)	Area (m²)	Volume (m³)
0.000	1734.442	164.479
3.000	1734.442	164.479

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	10.014
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	1.007
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	14.004
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	1.008
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	60.164

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Care Home Tank

Type : Tank

Dimensions

Exceedance Level (m)	231.700
Depth (m)	2.400
Base Level (m)	229.300
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	95
Average Slope (1:X)	0.00
Total Volume (m³)	160.800

Depth (m)	Area (m²)	Volume (m³)
0.000	140.00	0.000
1.200	140.00	159.600

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Carehome (2)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Carehome (3)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

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

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Carehome
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	6.000c
Outlet Type	Free Discharge

Advanced

Perimeter	Circular
Length (m)	16.411

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (m²)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (m²)
1in1yr 15		VARIES						
1in1yr 15min		VARIES						
1in1yr 30		VARIES						
1in1yr 30min		VARIES						
1in1yr 960		VARIES						
1in1yr 960min		VARIES						
1in1yr 1440	B-SW37	VARIES						
1in1yr 1440min	NW2-S14	VARIES						
1in2yr 15		VARIES						
1in2yr 15min		VARIES						
1in2yr 30		VARIES						
1in2yr 30min		VARIES						
1in2yr 60		VARIES						
1in2yr 60min		VARIES						
1in2yr 120		VARIES						
1in2yr 120min		VARIES						
1in2yr 240		VARIES						
1in2yr 240min		VARIES						
1in2yr 360		VARIES						
1in2yr 360min		VARIES						
1in2yr 480		VARIES						
1in2yr 480min		VARIES						
1in2yr 720		VARIES						
1in2yr 720min		VARIES						
1in2yr 960		VARIES						
1in2yr 960min		VARIES						
1in2yr 1440		VARIES						
1in2yr 1440min		VARIES						
1in5yr 15		VARIES						
1in5yr 15min		VARIES						
1in5yr 30		VARIES						
1in5yr 30min		VARIES						
1in5yr 960		VARIES						
1in5yr 960min		VARIES						
1in5yr 1440		VARIES						
1in5yr 1440min		VARIES						
1in30yr 15		VARIES						
1in30yr 15min		VARIES						
1in30yr 30		VARIES						
1in30yr 30min		VARIES						
1in30yr 60		VARIES						
1in30yr 60min		VARIES						
1in30yr 120		VARIES						
1in30yr 120min		VARIES						
1in30yr 240		VARIES						

Project:	Date: 21/10/2024		
	Designed by: will.dawson	Checked by:	Approved By:
Report Details: Type: Inflow Summary Storm Phase: S104 SW Network	Company Address:		



1in30yr		VARIES						
240min								
1in30yr 360		VARIES						
1in30yr		VARIES						
360min								
1in30yr 480		VARIES						
1in30yr		VARIES						
480min								
1in30yr 720		VARIES						
1in30yr		VARIES						
720min								
1in30yr 960		VARIES						
1in30yr		VARIES						
960min								
1in30yr 1440		VARIES						
1in30yr		VARIES						
1440min								
1in100yr 15		VARIES						
1in100yr		VARIES						
15min								
1in100yr 30		VARIES						
1in100yr		VARIES						
30min								
1in100yr 60		VARIES						
1in100yr		VARIES						
60min								
1in100yr 120		VARIES						
1in100yr		VARIES						
120min								
1in100yr 240		VARIES						
1in100yr		VARIES						
240min								
1in100yr 360		VARIES						
1in100yr		VARIES						
360min								
1in100yr 480		VARIES						
1in100yr		VARIES						
480min								
1in100yr 720		VARIES						
1in100yr		VARIES						
720min								
1in100yr 960min		VARIES						
1in100yr		VARIES						
960min (1)								
1in100yr		VARIES						
1440								
1in100yr		VARIES						
1440 BSW1								
B-SW1	B-SW1		Time of Concentration	435.346	100	0	100	435.346
B-SW2	B-SW2		Time of Concentration	299.241	100	0	100	299.241
B-SW3	B-SW3		Time of Concentration	984.192	100	0	100	984.192
B-SW4	B-SW4		Time of Concentration	434.809	100	0	100	434.809
B-SW5	B-SW5		Time of Concentration	898.116	100	0	100	898.116
B-SW6	B-SW6		Time of Concentration	379.103	100	0	100	379.103
B-SW7	B-SW7		Time of Concentration	675.409	100	0	100	675.409
B-SW8	B-SW8		Time of Concentration	1431.470	100	0	100	1431.470
B-SW9	B-SW9		Time of Concentration	175.350	100	0	100	175.350

Project:	Date: 21/10/2024		
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Report Details: Type: Inflow Summary Storm Phase: S104 SW Network	Company Address:		



B-SW10	B-SW10		Time of Concentration	269.307	100	0	100	269.307
B-SW11	B-SW11		Time of Concentration	1190.561	100	0	100	1190.561
B-SW12	B-SW12		Time of Concentration	917.504	100	0	100	917.504
B-SW13	B-SW13		Time of Concentration	173.899	100	0	100	173.899
B-SW14	B-SW14		Time of Concentration	355.236	100	0	100	355.236
B-SW15	B-SW15		Time of Concentration	1210.925	100	0	100	1210.925
B-SW16	B-SW16		Time of Concentration	308.679	100	0	100	308.679
B-SW17	B-SW17		Time of Concentration	980.346	100	0	100	980.346
B-SW18	B-SW18		Time of Concentration	942.685	100	0	100	942.685
B-SW19	B-SW19		Time of Concentration	945.084	100	0	100	945.084
B-SW20	B-SW20		Time of Concentration	525.368	100	0	100	525.368
B-SW21	B-SW21		Time of Concentration	354.750	100	0	100	354.750
B-SW22	B-SW22		Time of Concentration	1131.163	100	0	100	1131.163
B-SW23	B-SW23		Time of Concentration	351.441	100	0	100	351.441
B-SW24	B-SW24		Time of Concentration	169.810	100	0	100	169.810
B-SW25	B-SW25		Time of Concentration	1363.770	100	0	100	1363.770
B-SW26	B-SW26		Time of Concentration	758.074	100	0	100	758.074
B-SW27	B-SW27		Time of Concentration	175.797	100	0	100	175.797
B-SW28	B-SW28		Time of Concentration	1550.523	100	0	100	1550.523
B-SW29	B-SW29		Time of Concentration	678.952	100	0	100	678.952
B-SW30	B-SW30		Time of Concentration	505.116	100	0	100	505.116
B-SW31	B-SW31		Time of Concentration	1923.827	100	0	100	1923.827
B-SW32	B-SW32		Time of Concentration	771.930	100	0	100	771.930
B-SW33	B-SW33		Time of Concentration	381.363	100	0	100	381.363
B-SW34	B-SW36		Time of Concentration	288.000	100	0	100	288.000
B-SW35	B-SW35		Time of Concentration	304.052	100	0	100	304.052
B-SW36	B-SW34		Time of Concentration	609.000	100	0	100	609.000
B-SW37	B-SW37		Time of Concentration	1284.681	100	0	100	1284.681
B-SW38	B-SW38		Time of Concentration	280.794	100	0	100	280.794
B-SW39	B-SW39		Time of Concentration	348.646	100	0	100	348.646
B-SW40	B-SW40		Time of Concentration	290.814	100	0	100	290.814
B-SW41	B-SW41		Time of Concentration	179.193	100	0	100	179.193
B-SW42	B-SW42		Time of Concentration	153.432	100	0	100	153.432
B-SW45	B-SW45		Time of Concentration	1131.721	100	0	100	1131.721
B-SW46	B-SW46		Time of Concentration	1416.672	100	0	100	1416.672

Project:	Date: 21/10/2024		
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	Company Address:		
Report Details: Type: Inflow Summary Storm Phase: S104 SW Network			



B-SW47	B-SW47		Time of Concentration	87.538	100	0	100	87.538
B-SW49	B-SW49		Time of Concentration	808.801	100	0	100	808.801
B-SW50	B-SW50		Time of Concentration	2167.315	100	0	100	2167.315
B-SW51	B-SW51		Time of Concentration	305.740	100	0	100	305.740
B-SW52	B-SW52		Time of Concentration	535.295	100	0	100	535.295
B-SW53	B-SW53		Time of Concentration	454.118	100	0	100	454.118
B-SW54	B-SW54		Time of Concentration	529.345	100	0	100	529.345
B-SW55	B-SW55		Time of Concentration	974.638	100	0	100	974.638
B-SW56	B-SW56		Time of Concentration	1796.029	100	0	100	1796.029
B-SW56a	B-SW56a		Time of Concentration	204.328	100	0	100	204.328
B-SW57	B-SW57		Time of Concentration	357.524	100	0	100	357.524
B-SW58	B-SW58		Time of Concentration	352.129	100	0	100	352.129
B-SW59	B-SW59		Time of Concentration	337.394	100	0	100	337.394
B-SW60	B-SW60		Time of Concentration	3403.499	100	0	100	3403.499
B-SW61	B-SW61		Time of Concentration	685.851	100	0	100	685.851
B-SW62	B-SW62		Time of Concentration	1077.642	100	0	100	1077.642
B-SW64	B-SW64		Time of Concentration	1325.886	100	0	100	1325.886
B-SW65	B-SW65		Time of Concentration	669.999	100	0	100	669.999
B-SW66	B-SW66		Time of Concentration	527.840	100	0	100	527.840
B-SW67	B-SW67		Time of Concentration	672.505	100	0	100	672.505
B-SW68	B-SW68		Time of Concentration	343.890	100	0	100	343.890
B-SW69	B-SW69		Time of Concentration	2199.094	100	0	100	2199.094
B-SW70	B-SW70		Time of Concentration	530.742	100	0	100	530.742
B-SW71	B-SW71		Time of Concentration	359.975	100	0	100	359.975
B-SW72	B-SW72		Time of Concentration	892.977	100	0	100	892.977
Carehome	Care Home Tank		Time of Concentration	1029.900	100	0	100	1029.900
Carehome (1)	Care Home Tank		Time of Concentration	393.232	100	0	100	393.232
Carehome (2)	Care Home Tank		Time of Concentration	1417.325	100	0	100	1417.325
Carehome (3)	Care Home Tank		Time of Concentration	45.634	100	0	100	45.634
Local Centre	B-SW32		Time of Concentration	2032.000	100	0	100	2032.000
TOTAL		VARIES		56454.336				56454.336

Project:	Date: 21/10/2024			
	Designed by: will.dawson	Checked by:	Approved By:	
	Report Title: Rainfall Analysis Criteria			
Company Address:				

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

Project:	Date: 21/10/2024		
	Designed by: will.dawson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: S104 SW Network	Company Address:		





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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
B-SW37	FSR: 1 years: +0 %: 1440 mins: Summer	233.801	232.130	232.167	0.037	10.1	0.065	0.000	10.1	338.494	OK
NW2-S14	FSR: 1 years: +0 %: 1440 mins: Summer	232.894	228.939	229.009	0.070	12.6	0.123	0.000	12.6	442.436	OK
B-SW40	FSR: 1 years: +0 %: 1440 mins: Summer	232.558	230.819	230.835	0.016	0.4	0.018	0.000	0.4	8.537	OK
B-SW42	FSR: 1 years: +0 %: 1440 mins: Summer	231.707	230.315	230.328	0.013	0.8	0.014	0.000	0.8	18.304	OK
B-SW13	FSR: 1 years: +0 %: 1440 mins: Summer	231.347	229.725	229.732	0.007	0.2	0.008	0.000	0.2	5.069	OK
B-SW10	FSR: 1 years: +0 %: 1440 mins: Summer	231.780	229.519	229.535	0.016	0.6	0.018	0.000	0.6	12.976	OK
B-SW9	FSR: 1 years: +0 %: 1440 mins: Summer	231.523	229.753	229.765	0.012	0.2	0.014	0.000	0.2	5.123	OK
B-SW5	FSR: 1 years: +0 %: 1440 mins: Summer	231.602	230.252	230.269	0.017	1.2	0.019	0.000	1.2	26.428	OK
B-SW11	FSR: 1 years: +0 %: 1440 mins: Summer	231.020	228.843	228.878	0.035	2.2	0.050	0.000	2.2	47.968	OK
B-SW14	FSR: 1 years: +0 %: 1440 mins: Summer	230.494	228.681	228.710	0.029	4.1	0.050	0.000	4.1	90.348	OK
B-SW19	FSR: 1 years: +0 %: 1440 mins: Summer	229.981	226.884	226.927	0.043	3.8	0.049	0.000	3.8	112.613	OK
B-SW3	FSR: 1 years: +0 %: 1440 mins: Summer	228.827	227.341	227.365	0.024	1.3	0.027	0.000	1.3	28.864	OK
B-SW20	FSR: 1 years: +0 %: 1440 mins: Summer	229.182	227.682	227.696	0.014	0.7	0.016	0.000	0.7	15.455	OK
B-SW4	FSR: 1 years: +0 %: 1440 mins: Summer	228.765	226.811	226.850	0.039	15.5	0.100	0.000	15.5	505.601	OK
B-SW21	FSR: 1 years: +0 %: 1440 mins: Summer	228.796	226.705	226.735	0.030	5.0	0.043	0.000	5.0	138.440	OK
B-SW38	FSR: 1 years: +0 %: 1440 mins: Summer	228.562	226.687	226.725	0.038	10.5	0.043	0.000	10.5	346.707	OK
B-SW43	FSR: 1 years: +0 %: 1440 mins: Summer	228.947	226.846	226.863	0.017	0.8	0.019	0.000	0.8	18.304	OK
B-SW6	FSR: 1 years: +0 %: 1440 mins: Summer	227.941	226.516	226.535	0.019	1.7	0.021	0.000	1.7	37.581	OK
B-SW39	FSR: 1 years: +0 %: 1440 mins: Summer	227.372	225.592	225.632	0.040	10.9	0.045	0.000	10.9	356.948	OK
B-SW16	FSR: 1 years: +0 %: 1440 mins: Summer	227.575	224.611	224.681	0.070	10.6	0.178	0.000	10.6	234.423	OK
B-SW8	FSR: 1 years: +0 %: 1440 mins: Summer	227.462	224.671	224.716	0.045	4.5	0.115	0.000	4.5	99.434	OK
B-SW18	FSR: 1 years: +0 %: 1440 mins: Summer	226.947	224.397	224.453	0.056	28.7	0.193	0.000	28.7	796.506	OK
B-SW7	FSR: 1 years: +0 %: 1440 mins: Summer	226.848	225.358	225.390	0.032	2.6	0.036	0.000	2.6	57.412	OK
B-SW26	FSR: 1 years: +0 %: 1440 mins: Summer	226.869	225.480	225.497	0.017	1.0	0.019	0.000	1.0	22.307	OK
B-SW22	FSR: 1 years: +0 %: 1440 mins: Summer	226.416	224.535	224.570	0.035	6.5	0.062	0.000	6.5	171.650	OK
B-SW57	FSR: 1 years: +0 %: 1440 mins: Summer	225.186	223.266	223.300	0.034	4.4	0.038	0.000	4.4	97.909	OK
B-SW49	FSR: 1 years: +0 %: 1440 mins: Summer	226.263	223.700	223.748	0.048	16.4	0.123	0.000	16.4	476.326	OK
B-SW27	FSR: 1 years: +0 %: 1440 mins: Summer	225.691	224.258	224.274	0.016	1.2	0.022	0.000	1.2	27.443	OK
B-SW58	FSR: 1 years: +0 %: 1440 mins: Summer	224.244	222.604	222.639	0.035	4.9	0.062	0.000	4.9	108.222	OK
B-SW28	FSR: 1 years: +0 %: 1440 mins: Summer	225.203	223.434	223.474	0.040	3.3	0.070	0.000	3.3	73.016	OK

Project:	Date: 21/10/2024		
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Report Details: Type: Junctions Summary Storm Phase: S104 SW Network		Company Address:	



B-SW59	FSR: 1 years: +0 %: 1440 mins: Summer	223.5 39	222.0 39	222.06 8	0.029	5.4	0.042	0.000	5.4	118.120	OK
B-SW23	FSR: 1 years: +0 %: 1440 mins: Summer	223.7 54	222.2 60	222.30 4	0.044	6.9	0.049	0.000	6.9	181.944	OK
B-SW29	FSR: 1 years: +0 %: 1440 mins: Summer	225.1 89	222.9 94	223.12 1	0.127	4.2	0.182	0.000	4.2	92.809	OK
B-SW24	FSR: 1 years: +0 %: 1440 mins: Summer	223.3 54	221.8 54	221.89 9	0.045	7.2	0.051	0.000	7.2	186.930	OK
B-SW25	FSR: 1 years: +0 %: 1440 mins: Summer	223.2 31	221.6 61	221.71 1	0.050	9.0	0.072	0.000	9.0	226.984	OK
B-SW31	FSR: 1 years: +0 %: 1440 mins: Summer	222.6 86	220.4 64	220.52 2	0.058	45.1	0.264	0.000	45.1	1187.598	OK
B-SW50	FSR: 1 years: +0 %: 1440 mins: Summer	222.5 49	220.6 00	220.66 8	0.068	19.3	0.174	0.000	19.3	539.977	OK
B-SW63	FSR: 1 years: +0 %: 1440 mins: Summer	222.0 74	218.0 54	218.15 1	0.097	33.9	0.247	0.000	33.9	863.370	OK
B-SW51	FSR: 1 years: +0 %: 1440 mins: Summer	222.2 27	220.2 02	220.26 1	0.059	19.7	0.104	0.000	19.7	548.953	OK
B-SW62	FSR: 1 years: +0 %: 1440 mins: Summer	221.9 42	218.1 03	218.21 5	0.113	33.9	0.390	0.000	33.9	863.367	OK
B-SW64	FSR: 1 years: +0 %: 1440 mins: Summer	221.9 43	217.9 07	218.03 7	0.130	35.7	0.330	0.000	35.7	902.287	OK
B-SW60	FSR: 1 years: +0 %: 1440 mins: Summer	221.4 44	219.6 37	219.67 7	0.040	9.9	0.103	0.000	9.9	218.060	OK
B-SW32	FSR: 1 years: +0 %: 1440 mins: Summer	219.4 59	215.7 37	215.80 1	0.064	48.8	0.164	0.000	48.8	1269.953	OK
B-SW65	FSR: 1 years: +0 %: 1440 mins: Summer	221.1 60	217.6 96	217.75 1	0.055	36.6	0.190	0.000	36.6	921.928	OK
B-SW61	FSR: 1 years: +0 %: 1440 mins: Summer	221.2 23	218.3 44	218.44 5	0.101	32.5	0.348	0.000	32.5	831.713	OK
B-SW67	FSR: 1 years: +0 %: 1440 mins: Summer	220.9 89	219.6 02	219.61 6	0.014	0.9	0.020	0.000	0.9	19.793	OK
B-SW52	FSR: 1 years: +0 %: 1440 mins: Summer	221.5 97	219.0 78	219.14 7	0.069	20.4	0.175	0.000	20.4	564.665	OK
B-SW54	FSR: 1 years: +0 %: 1440 mins: Summer	221.0 54	218.5 36	218.60 6	0.070	21.7	0.177	0.000	21.7	593.504	OK
B-SW53	FSR: 1 years: +0 %: 1440 mins: Summer	221.3 64	218.7 29	218.81 1	0.082	21.0	0.209	0.000	21.0	577.984	OK
B-SW68	FSR: 1 years: +0 %: 1440 mins: Summer	219.1 75	217.6 79	217.69 4	0.015	1.4	0.017	0.000	1.4	29.878	OK
B-SW33	FSR: 1 years: +0 %: 1440 mins: Summer	218.3 08	214.1 39	214.20 3	0.064	49.3	0.163	0.000	49.3	1281.166	OK
B-SW69	FSR: 1 years: +0 %: 1440 mins: Summer	216.9 73	214.9 05	214.93 1	0.026	4.3	0.066	0.000	4.3	94.465	OK
B-SW36	FSR: 1 years: +0 %: 1440 mins: Summer	216.7 93	211.9 78	212.06 6	0.088	50.9	0.223	0.000	50.9	1316.424	OK
B-SW35	FSR: 1 years: +0 %: 1440 mins: Summer	215.7 55	212.5 49	212.57 4	0.025	1.2	0.029	0.000	1.2	26.824	OK
B-SW66	FSR: 1 years: +0 %: 1440 mins: Summer	218.6 05	214.4 92	214.65 0	0.158	37.3	0.548	0.000	37.3	937.084	OK
B-SW71	FSR: 1 years: +0 %: 1440 mins: Summer	214.2 31	211.6 88	211.74 3	0.055	5.5	0.098	0.000	5.5	120.606	OK
B-SW70	FSR: 1 years: +0 %: 1440 mins: Summer	213.3 03	211.9 56	211.97 7	0.021	0.7	0.024	0.000	0.7	15.569	OK
B-SW34	FSR: 1 years: +0 %: 1440 mins: Summer	213.5 84	212.7 84	212.80 6	0.022	0.8	0.024	0.000	0.8	17.874	OK
B-SW72	FSR: 1 years: +0 %: 1440 mins: Summer	214.3 30	211.5 06	211.67 3	0.167	6.7	0.295	0.000	6.7	146.687	OK
B-SW73	FSR: 1 years: +0 %: 1440 mins: Winter	214.3 30	210.1 33	210.72 1	0.588	45.0	4.153	0.000	45.0	2584.099	Surcharged
B-CW01	FSR: 1 years: +0 %: 1440 mins: Winter	210.6 58	209.2 04	209.35 2	0.148	45.0	0.262	0.000	45.0	2584.032	OK
EXMH1	FSR: 1 years: +0 %: 1440 mins: Summer	210.1 31	208.4 22	208.42 2	0.000	44.9	0.000	0.000	44.9	2385.361	OK
B-SW48	FSR: 1 years: +0 %: 1440 mins: Summer	226.0 22	224.2 25	224.26 7	0.042	4.4	0.074	0.000	4.3	95.667	OK
B-SW47	FSR: 1 years: +0 %: 1440 mins: Summer	226.8 32	224.7 68	224.80 6	0.038	4.3	0.066	0.000	4.4	95.668	OK
B-SW12	FSR: 1 years: +0 %: 1440 mins: Summer	230.5 30	228.7 04	228.74 8	0.044	3.4	0.077	0.000	3.4	74.870	OK

Project:		Date: 21/10/2024		
		Designed by: will.dawson	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: S104 SW Network		Company Address:		



B-SW15	FSR: 1 years: +0 %: 1440 mins: Summer	227.7 28	226.2 31	226.26 9	0.038	5.7	0.055	0.000	5.7	125.897	OK
B-SW17	FSR: 1 years: +0 %: 1440 mins: Summer	226.9 24	224.4 17	224.48 9	0.072	11.9	0.183	0.000	12.0	263.199	OK
B-SW30	FSR: 1 years: +0 %: 1440 mins: Summer	223.1 64	221.2 89	221.32 3	0.034	4.9	0.060	0.000	4.9	107.633	OK
Care Home	FSR: 1 years: +0 %: 1440 mins: Summer	231.7 00	229.0 88	229.37 0	0.282	2.7	0.499	0.000	2.5	84.841	Surcharged
B-SW1	FSR: 1 years: +0 %: 1440 mins: Summer	232.4 64	228.8 58	228.92 7	0.069	13.2	0.122	0.000	13.2	455.222	OK
B-SW2	FSR: 1 years: +0 %: 1440 mins: Summer	230.5 66	228.5 94	228.63 4	0.040	13.6	0.071	0.000	13.6	463.987	OK
B-CW02	FSR: 1 years: +0 %: 1440 mins: Winter	210.5 76	209.0 15	209.14 3	0.128	45.0	0.183	0.000	45.0	2584.012	OK
B-SW41	FSR: 1 years: +0 %: 1440 mins: Summer	232.5 94	230.7 40	230.75 7	0.017	0.6	0.019	0.000	0.6	13.763	OK
B-SW44	FSR: 1 years: +0 %: 1440 mins: Summer	227.1 71	225.8 19	225.83 5	0.016	0.8	0.018	0.000	0.8	18.302	OK
B-SW45	FSR: 1 years: +0 %: 1440 mins: Summer	228.2 17	226.7 84	226.80 3	0.019	1.5	0.021	0.000	1.5	33.220	OK
B-SW46	FSR: 1 years: +0 %: 1440 mins: Summer	227.2 21	224.8 74	224.91 4	0.040	3.4	0.058	0.000	3.4	74.812	OK
B-SW55	FSR: 1 years: +0 %: 1440 mins: Summer	231.1 05	229.7 55	229.77 7	0.022	1.3	0.025	0.000	1.3	28.672	OK
B-SW56	FSR: 1 years: +0 %: 1440 mins: Summer	230.5 33	228.6 89	228.71 2	0.023	3.7	0.033	0.000	3.7	81.435	OK
B-SW56b	FSR: 1 years: +0 %: 1440 mins: Summer	225.6 52	223.8 00	223.83 5	0.035	4.0	0.050	0.000	4.0	87.440	OK
B-SW56a	FSR: 1 years: +0 %: 1440 mins: Summer	230.2 93	227.5 96	227.62 1	0.025	4.0	0.028	0.000	4.0	87.442	OK

Project:	Date: 21/10/2024		
	Designed by: will.dawson	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: S104 SW Network	Company Address:		





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

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Residant Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Tank	FSR: 1 years: +0 %: 1440 mins: Winter	210.721	210.721	0.515	0.515	75.1	849.351	0.000	0.000	45.0	2584.163	82.820	OK
Care Home Tank	FSR: 1 years: +0 %: 1440 mins: Summer	229.371	229.371	0.071	0.071	3.8	9.451	0.000	0.000	2.7	84.843	94.122	OK