

Project:	Date: 21/10/2024		
	Designed by: aaron.topping	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	224.265	1.661	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

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



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	232.505	3.647	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)	Lock
B-SW37	1.500	None
NW2-S14	1.500	None
B-SW40	1.200	None
B-SW42	1.200	None
B-SW13	1.200	None
B-SW10	1.200	None
B-SW9	1.200	None
B-SW5	1.200	None
B-SW11	1.350	None
B-SW14	1.500	None
B-SW19	1.200	None
B-SW3	1.200	All
B-SW20	1.200	None
B-SW4	1.800	None
B-SW21	1.350	None
B-SW38	1.200	None
B-SW43	1.200	None
B-SW6	1.200	None
B-SW39	1.200	None
B-SW16	1.800	None
B-SW8	1.800	None
B-SW18	2.100	None
B-SW7	1.200	None
B-SW26	1.200	None
B-SW22	1.500	None
B-SW57	1.200	None
B-SW49	1.800	None
B-SW27	1.350	None
B-SW58	1.500	None
B-SW28	1.500	None
B-SW59	1.350	None
B-SW23	1.200	None
B-SW29	1.350	None
B-SW24	1.200	None
B-SW25	1.350	None
B-SW31	2.400	None

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



B-SW50	1.800	None
B-SW63	1.800	None
B-SW51	1.500	None
B-SW62	2.100	None
B-SW64	1.800	None
B-SW60	1.800	None
B-SW32	1.800	None
B-SW65	2.100	None
B-SW61	2.100	None
B-SW67	1.350	None
B-SW52	1.800	None
B-SW54	1.800	None
B-SW53	1.800	None
B-SW68	1.200	None
B-SW33	1.800	None
B-SW69	1.800	None
B-SW36	1.800	None
B-SW35	1.200	None
B-SW66	2.100	None
B-SW71	1.500	None
B-SW70	1.200	None
B-SW34	1.200	None
B-SW72	1.500	None
B-SW73	3.000	None
B-CW01	1.500	None
EXMH1	1.200	None
B-SW48	1.500	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**

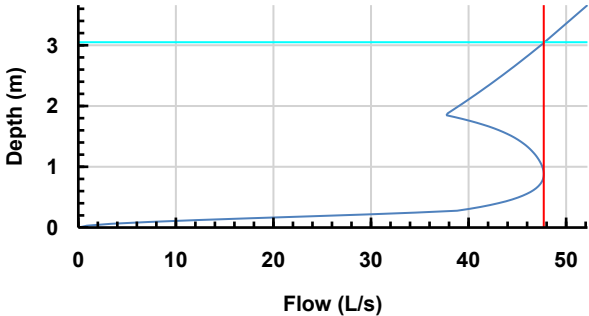
Junction	Outlet Name	Outgoing Connection	Outlet Type
B-SW37	Outlet	10.000	Free Discharge
NW2-S14	Outlet	Pipe	Free Discharge
B-SW40	Outlet	12.000	Free Discharge
B-SW42	Outlet	12.002	Free Discharge
B-SW13	Outlet	4.000	Free Discharge
B-SW10	Outlet	5.001	Free Discharge
B-SW9	Outlet	5.000	Free Discharge
B-SW5	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

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

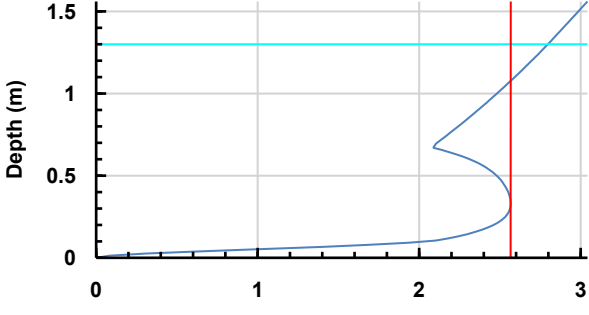


Junction	Outlet Name	Outgoing Connection	Outlet Type
B-SW21	Outlet	6.001	Free Discharge
B-SW38	Outlet	10.001	Free Discharge
B-SW43	Outlet	12.003	Free Discharge
B-SW6	Outlet	3.001	Free Discharge
B-SW39	Outlet	10.002	Free Discharge
B-SW16	Outlet	3.004	Free Discharge
B-SW8	Outlet	3.003	Free Discharge
B-SW18	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®


Project:	Date: 21/10/2024		
	Designed by: aaron.topping	Checked by:	
Report Details: Type: Junctions Storm Phase: S104 SW Network	Company Address:		

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	<input checked="" type="checkbox"/>		
	Unit Reference	SHE-0260-4780-3050-4780		
				
	B-CW01	Outlet	1.010	Free Discharge
	B-SW48	Outlet	12.006	Free Discharge
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	


B-SW30	Outlet	6.000c2	Hydro-Brake®
--------	--------	---------	--------------

Care Home	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	<input checked="" type="checkbox"/>		
	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

Project:	Date: 21/10/2024		
	Designed by: aaron.topping	Checked by:	
Report Details: Type: Junctions Storm Phase: S104 SW Network	Company Address:		

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

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



**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 Length (m)	Circular 60.164
----------------------	--------------------

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



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

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



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (m <sup>2</sup> )	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (m <sup>2</sup> )
1in100yr 15 Winter		VARIES						
1in100yr 15min Winter		VARIES						
1in100yr 30 summer	B-SW37	VARIES						
1in100yr 30min summer	NW2-S14	VARIES						
1in100yr 60 summer		VARIES						
1in100yr 60min summer		VARIES						
1in100yr 120 summer		VARIES						
1in100yr 120min summer		VARIES						
1in100yr 240 summer		VARIES						
1in100yr 240min summer		VARIES						
1in100yr 360 Summer		VARIES						
1in100yr 360min summer		VARIES						
1in100yr 480 summer		VARIES						
1in100yr 480min summer		VARIES						
1in100yr 720 Summer		VARIES						
1in100yr 720min summer		VARIES						
1in100yr 960min summer		VARIES						
1in100yr 960min summer		VARIES						
1in100yr 1440 summer		VARIES						
1in100yr 1440 summer BSW1		VARIES						
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	435.000	100	0	100	435.000
B-SW5	B-SW5		Time of Concentration	911.784	100	0	100	911.784
B-SW6	B-SW6		Time of Concentration	363.784	100	0	100	363.784
B-SW7	B-SW7		Time of Concentration	675.409	100	0	100	675.409

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




B-SW8	B-SW8		Time of Concentration	1429.130	100	0	100	1429.130
B-SW9	B-SW9		Time of Concentration	175.350	100	0	100	175.350
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	915.183	100	0	100	915.183
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	958.000	100	0	100	958.000
B-SW20	B-SW20		Time of Concentration	525.368	100	0	100	525.368
B-SW21	B-SW21		Time of Concentration	351.496	100	0	100	351.496
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	1332.127	100	0	100	1332.127
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	1543.005	100	0	100	1543.005
B-SW29	B-SW29		Time of Concentration	680.337	100	0	100	680.337
B-SW30	B-SW30		Time of Concentration	510.128	100	0	100	510.128
B-SW31	B-SW31		Time of Concentration	1878.247	100	0	100	1878.247
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	1252.185	100	0	100	1252.185
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	288.258	100	0	100	288.258
B-SW41	B-SW41		Time of Concentration	179.000	100	0	100	179.000
B-SW42	B-SW42		Time of Concentration	153.432	100	0	100	153.432

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



B-SW45	B-SW45		Time of Concentration	1126.965	100	0	100	1126.965
B-SW46	B-SW46		Time of Concentration	1410.774	100	0	100	1410.774
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	1778.531	100	0	100	1778.531
B-SW56a	B-SW56a		Time of Concentration	204.328	100	0	100	204.328
B-SW57	B-SW57		Time of Concentration	346.038	100	0	100	346.038
B-SW58	B-SW58		Time of Concentration	347.321	100	0	100	347.321
B-SW59	B-SW59		Time of Concentration	309.140	100	0	100	309.140
B-SW60	B-SW60		Time of Concentration	3368.832	100	0	100	3368.832
B-SW61	B-SW61		Time of Concentration	685.851	100	0	100	685.851
B-SW62	B-SW62		Time of Concentration	1072.523	100	0	100	1072.523
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	344.000	100	0	100	344.000
B-SW69	B-SW69		Time of Concentration	2193.959	100	0	100	2193.959
B-SW70	B-SW70		Time of Concentration	534.109	100	0	100	534.109
B-SW71	B-SW71		Time of Concentration	359.975	100	0	100	359.975
B-SW72	B-SW72		Time of Concentration	1105.118	100	0	100	1105.118
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
<b>TOTAL</b>		<b>VARIES</b>		<b>56442.285</b>				<b>56442.285</b>

Project:	Date: 21/10/2024			
	Designed by: aaron.topping	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	<input type="checkbox"/>
Perform No Discharge Analysis	<input type="checkbox"/>

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



**FSR: 100 years: Increase Rainfall (%): +30: 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: 100 years: +30 %: 30 mins: Winter	233.801	232.130	232.400	0.270	412.2	0.477	0.000	414.7	302.832	OK
NW2-S14	FSR: 100 years: +30 %: 30 mins: Winter	232.894	228.939	231.110	2.171	545.0	3.837	0.000	549.4	385.134	Surcharged
B-SW40	FSR: 100 years: +30 %: 30 mins: Winter	232.558	230.819	230.909	0.090	9.9	0.101	0.000	9.9	9.159	OK
B-SW42	FSR: 100 years: +30 %: 30 mins: Winter	231.707	230.315	230.378	0.063	21.4	0.071	0.000	21.4	19.717	OK
B-SW13	FSR: 100 years: +30 %: 30 mins: Winter	231.347	229.725	229.760	0.035	6.0	0.039	0.000	6.0	5.521	OK
B-SW10	FSR: 100 years: +30 %: 30 mins: Winter	231.780	229.519	229.598	0.079	15.3	0.089	0.000	15.3	14.096	OK
B-SW9	FSR: 100 years: +30 %: 30 mins: Winter	231.523	229.753	229.816	0.063	6.0	0.071	0.000	6.0	5.571	OK
B-SW5	FSR: 100 years: +30 %: 30 mins: Winter	231.602	230.252	230.348	0.096	31.4	0.108	0.000	31.4	28.965	OK
B-SW11	FSR: 100 years: +30 %: 30 mins: Winter	231.020	228.843	229.488	0.645	56.3	0.923	0.000	55.7	51.964	Surcharged
B-SW14	FSR: 100 years: +30 %: 30 mins: Winter	230.494	228.681	228.995	0.314	104.8	0.556	0.000	104.1	97.815	Surcharged
B-SW19	FSR: 100 years: +30 %: 30 mins: Winter	229.981	226.884	227.030	0.146	35.5	0.165	0.000	35.3	37.799	OK
B-SW3	FSR: 100 years: +30 %: 30 mins: Winter	228.827	227.341	227.795	0.454	33.9	0.514	0.000	33.9	31.270	Surcharged
B-SW20	FSR: 100 years: +30 %: 30 mins: Winter	229.182	227.682	227.758	0.076	18.1	0.086	0.000	18.1	16.693	OK
B-SW4	FSR: 100 years: +30 %: 30 mins: Winter	228.765	226.811	227.113	0.302	628.8	0.767	0.000	630.8	453.430	OK
B-SW21	FSR: 100 years: +30 %: 30 mins: Winter	228.796	226.705	226.819	0.114	65.5	0.163	0.000	65.5	65.570	OK
B-SW38	FSR: 100 years: +30 %: 30 mins: Winter	228.562	226.687	227.639	0.952	424.4	1.077	0.000	431.6	311.988	Surcharged
B-SW43	FSR: 100 years: +30 %: 30 mins: Summer	228.947	226.846	226.939	0.093	20.3	0.105	0.000	20.3	17.609	OK
B-SW6	FSR: 100 years: +30 %: 30 mins: Winter	227.941	226.516	226.613	0.097	43.9	0.110	0.000	43.9	40.515	OK
B-SW39	FSR: 100 years: +30 %: 30 mins: Winter	227.372	225.592	226.439	0.847	443.6	0.958	0.000	447.2	323.276	Surcharged
B-SW16	FSR: 100 years: +30 %: 30 mins: Winter	227.575	224.611	225.113	0.502	272.4	1.278	0.000	271.9	253.497	OK

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



B-SW8	FSR: 100 years: +30 %: 30 mins: Winter	227.4 62	224.6 71	225.27 8	0.607	116.4	1.544	0.000	116.1	107.383	Surcharged
B-SW18	FSR: 100 years: +30 %: 30 mins: Winter	226.9 47	224.3 97	224.80 2	0.405	969.5	1.404	0.000	973.6	767.981	OK
B-SW7	FSR: 100 years: +30 %: 30 mins: Winter	226.8 48	225.3 58	225.53 0	0.172	67.2	0.194	0.000	67.2	61.934	OK
B-SW26	FSR: 100 years: +30 %: 30 mins: Winter	226.8 69	225.4 80	225.57 4	0.094	26.1	0.106	0.000	26.1	24.083	OK
B-SW22	FSR: 100 years: +30 %: 30 mins: Winter	226.4 16	224.5 35	224.78 5	0.250	104.4	0.441	0.000	101.7	101.379	Surcharged
B-SW57	FSR: 100 years: +30 %: 30 mins: Winter	225.1 86	223.2 66	224.39 9	1.133	112.3	1.281	0.000	111.5	104.931	Surcharged
B-SW49	FSR: 100 years: +30 %: 30 mins: Winter	226.2 63	223.7 00	224.70 5	1.005	572.7	2.558	0.000	552.8	452.458	Surcharged
B-SW27	FSR: 100 years: +30 %: 30 mins: Winter	225.6 91	224.2 58	224.33 4	0.075	32.2	0.108	0.000	32.2	29.664	OK
B-SW58	FSR: 100 years: +30 %: 30 mins: Winter	224.2 65	222.6 04	223.32 0	0.716	123.4	1.265	0.000	122.8	116.017	Surcharged
B-SW28	FSR: 100 years: +30 %: 30 mins: Winter	225.2 03	223.4 34	224.23 9	0.805	85.3	1.422	0.000	85.3	78.688	Surcharged
B-SW59	FSR: 100 years: +30 %: 30 mins: Winter	223.5 39	222.0 39	222.19 1	0.152	133.4	0.217	0.000	133.3	125.795	OK
B-SW23	FSR: 100 years: +30 %: 30 mins: Winter	223.7 54	222.2 60	223.11 9	0.858	113.8	0.970	0.000	113.5	112.459	Surcharged
B-SW29	FSR: 100 years: +30 %: 30 mins: Winter	225.1 89	222.9 94	223.23 0	0.236	108.7	0.337	0.000	108.7	100.160	OK
B-SW24	FSR: 100 years: +30 %: 30 mins: Winter	223.3 54	221.8 54	222.42 6	0.572	119.4	0.647	0.000	119.4	117.807	Surcharged
B-SW25	FSR: 100 years: +30 %: 30 mins: Winter	223.2 31	221.6 61	222.24 3	0.582	165.2	0.833	0.000	165.2	159.959	Surcharged
B-SW31	FSR: 100 years: +30 %: 30 mins: Winter	222.6 86	220.4 64	220.82 7	0.363	1329.8	1.642	0.000	1330.8	1103.852	OK
B-SW50	FSR: 100 years: +30 %: 30 mins: Winter	222.5 49	220.6 00	222.24 6	1.646	627.4	4.190	0.000	616.0	521.443	Surcharged
B-SW63	FSR: 100 years: +30 %: 30 mins: Winter	222.0 74	218.0 54	219.03 9	0.986	959.1	2.509	0.000	956.4	867.423	Surcharged
B-SW51	FSR: 100 years: +30 %: 30 mins: Winter	222.2 27	220.2 02	221.17 7	0.975	626.6	1.723	0.000	621.2	530.267	Surcharged
B-SW62	FSR: 100 years: +30 %: 30 mins: Winter	221.9 42	218.1 03	219.23 6	1.134	963.0	3.927	0.000	959.1	867.480	Surcharged
B-SW64	FSR: 100 years: +30 %: 30 mins: Winter	221.9 43	217.9 07	218.79 5	0.888	1002.1	2.260	0.000	991.4	909.361	Surcharged
B-SW60	FSR: 100 years: +30 %: 30 mins: Winter	221.4 44	219.6 37	220.61 7	0.980	249.3	2.493	0.000	245.2	232.553	Surcharged
B-SW32	FSR: 100 years: +30 %: 30 mins: Winter	219.4 59	215.7 37	216.22 7	0.490	1427.3	1.246	0.000	1428.7	1192.872	OK

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



B-SW65	FSR: 100 years: +30 %: 30 mins: Winter	221.1 60	217.6 96	218.00 6	0.310	1014.5	1.075	0.000	1010.0	929.990	OK
B-SW61	FSR: 100 years: +30 %: 30 mins: Winter	221.2 23	218.3 44	219.63 0	1.286	930.5	4.455	0.000	926.0	833.436	Surcharged
B-SW67	FSR: 100 years: +30 %: 30 mins: Winter	220.9 89	219.6 02	219.67 7	0.075	23.2	0.108	0.000	23.2	21.372	OK
B-SW52	FSR: 100 years: +30 %: 30 mins: Winter	221.5 97	219.0 78	220.24 2	1.164	639.6	2.962	0.000	635.0	547.701	Surcharged
B-SW54	FSR: 100 years: +30 %: 30 mins: Winter	221.0 54	218.5 36	219.74 3	1.207	665.1	3.071	0.000	661.7	579.100	Surcharged
B-SW53	FSR: 100 years: +30 %: 30 mins: Winter	221.3 64	218.7 29	219.92 5	1.196	650.7	3.043	0.000	646.9	561.630	Surcharged
B-SW68	FSR: 100 years: +30 %: 30 mins: Winter	219.1 75	217.6 79	217.75 1	0.072	35.0	0.081	0.000	35.0	32.295	OK
B-SW33	FSR: 100 years: +30 %: 30 mins: Winter	218.3 08	214.1 39	214.50 8	0.369	1441.8	0.938	0.000	1442.1	1204.658	OK
B-SW69	FSR: 100 years: +30 %: 30 mins: Winter	216.9 73	214.9 05	215.05 1	0.146	110.5	0.371	0.000	110.5	101.959	OK
B-SW36	FSR: 100 years: +30 %: 30 mins: Winter	216.7 93	211.9 78	213.13 2	1.154	1483.2	2.937	0.000	1483.7	1242.268	Surcharged
B-SW35	FSR: 100 years: +30 %: 30 mins: Winter	215.7 55	212.5 49	213.20 2	0.653	31.3	0.739	0.000	31.2	29.453	Surcharged
B-SW66	FSR: 100 years: +30 %: 30 mins: Winter	218.6 05	214.4 92	214.92 8	0.436	1028.2	1.510	0.000	1024.0	946.736	OK
B-SW71	FSR: 100 years: +30 %: 30 mins: Winter	214.2 31	211.6 88	212.52 7	0.839	141.3	1.483	0.000	141.3	130.394	Surcharged
B-SW70	FSR: 100 years: +30 %: 30 mins: Winter	213.3 03	211.9 56	212.66 9	0.713	18.4	0.806	0.000	18.4	16.975	Surcharged
B-SW34	FSR: 100 years: +30 %: 30 mins: Winter	213.5 84	212.7 84	213.26 6	0.482	21.0	0.545	0.000	20.8	19.641	Surcharged
B-SW72	FSR: 100 years: +30 %: 30 mins: Winter	214.3 30	211.5 06	212.14 5	0.639	179.4	1.130	0.000	179.4	165.384	Surcharged
B-SW73	FSR: 100 years: +30 %: 30 mins: Winter	214.3 30	210.1 33	211.57 3	1.440	58.6	10.178	0.000	47.3	130.911	Surcharged
B-CW01	FSR: 100 years: +30 %: 30 mins: Summer	210.6 58	209.2 04	209.35 7	0.153	47.6	0.270	0.000	47.6	129.871	OK
EXMH1	FSR: 100 years: +30 %: 30 mins: Summer	210.1 31	208.4 22	208.42 2	0.000	47.6	0.000	0.000	47.6	129.076	OK
B-SW48	FSR: 100 years: +30 %: 30 mins: Winter	226.0 22	224.2 25	224.87 5	0.650	99.4	1.149	0.000	97.6	105.000	Surcharged
B-SW47	FSR: 100 years: +30 %: 30 mins: Winter	226.8 32	224.7 68	225.69 8	0.930	103.7	1.643	0.000	99.4	103.141	Surcharged
B-SW12	FSR: 100 years: +30 %: 30 mins: Winter	230.5 30	228.7 04	229.20 9	0.505	87.2	0.891	0.000	86.6	81.024	Surcharged
B-SW15	FSR: 100 years: +30 %: 30 mins: Winter	227.7 28	226.2 31	226.98 2	0.751	145.8	1.075	0.000	145.7	136.318	Surcharged

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



B-SW17	FSR: 100 years: +30 %: 30 mins: Winter	226.9 24	224.4 17	224.90 5	0.488	305.6	1.242	0.000	306.2	284.552	OK
B-SW30	FSR: 100 years: +30 %: 30 mins: Winter	223.1 64	221.2 89	221.49 8	0.209	126.3	0.369	0.000	126.3	116.360	OK
Care Home	FSR: 100 years: +30 %: 30 mins: Winter	231.7 00	229.0 88	229.94 4	0.856	4.1	1.513	0.000	2.6	7.474	Surcharged
B-SW1	FSR: 100 years: +30 %: 30 mins: Winter	232.5 05	228.8 58	230.51 4	1.656	564.4	2.926	0.000	567.6	399.001	Surcharged
B-SW2	FSR: 100 years: +30 %: 30 mins: Winter	230.5 66	228.5 94	228.91 9	0.325	577.9	0.574	0.000	579.9	408.489	OK
B-CW02	FSR: 100 years: +30 %: 30 mins: Summer	210.5 76	209.0 15	209.14 8	0.133	47.6	0.190	0.000	47.6	129.076	OK
B-SW41	FSR: 100 years: +30 %: 30 mins: Winter	232.5 94	230.7 40	230.83 3	0.093	16.1	0.105	0.000	16.1	14.844	OK
B-SW44	FSR: 100 years: +30 %: 30 mins: Winter	227.1 71	225.8 19	225.96 1	0.142	21.4	0.161	0.000	18.9	19.714	OK
B-SW45	FSR: 100 years: +30 %: 30 mins: Winter	228.2 17	226.7 84	227.25 6	0.472	38.8	0.534	0.000	38.0	35.788	Surcharged
B-SW46	FSR: 100 years: +30 %: 30 mins: Winter	227.2 21	224.8 74	226.04 0	1.166	86.6	1.669	0.000	82.5	80.642	Surcharged
B-SW55	FSR: 100 years: +30 %: 30 mins: Winter	231.1 05	229.7 55	230.37 1	0.616	33.6	0.697	0.000	33.3	30.974	Surcharged
B-SW56	FSR: 100 years: +30 %: 30 mins: Winter	230.5 33	228.6 89	228.82 7	0.138	94.6	0.198	0.000	94.6	87.490	OK
B-SW56b	FSR: 100 years: +30 %: 30 mins: Winter	225.6 52	223.8 00	225.31 9	1.519	101.6	2.174	0.000	100.4	93.936	Surcharged
B-SW56a	FSR: 100 years: +30 %: 30 mins: Winter	230.2 93	227.5 96	227.73 2	0.136	101.6	0.153	0.000	101.6	93.922	OK

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



**FSR: 100 years: Increase Rainfall (%): +30: 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: 100 years: +30 %: 30 mins: Winter	211.574	211.574	1.368	1.368	2687.1	2253.490	0.000	0.000	58.6	141.571	54.417	OK
Care Home Tank	FSR: 100 years: +30 %: 30 mins: Winter	229.944	229.944	0.644	0.644	99.4	85.704	0.000	0.000	4.1	9.349	46.702	OK