

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
301	0.058	5.00	24.773	2100	341171.755	398261.713	3.009
302	0.059	5.00	24.809	2100	341171.784	398245.774	3.085
303	0.056	5.00	24.709	2100	341170.140	398236.833	3.008
304	0.058	5.00	24.604	2100	341163.691	398217.896	2.953
305	0.083	5.00	24.847	2100	341181.985	398211.666	3.244
306	0.069	5.00	24.108	2100	341164.026	398157.539	2.648
307	0.156	5.00	23.991	2100	341153.363	398126.466	2.613
308	0.031	5.00	24.080	2100	341152.150	398118.838	2.721
309	0.053	5.00	24.142	2100	341153.886	398112.588	2.799
310	0.070	5.00	24.242	2100	341160.001	398108.017	2.918
TANK 1	0.000	5.00	25.373	1200	341231.919	398265.479	3.612
311	0.008	5.00	25.373	2100	341232.605	398252.883	3.687
312	0.097	5.00	25.474	2100	341225.464	398243.698	3.817
313	0.102	5.00	25.195	2100	341209.882	398202.012	3.649
314	0.157	5.00	25.019	2100	341240.137	398191.667	3.553
315	0.194	5.00	24.445	2100	341215.736	398119.536	3.169
TANK 2	0.000	5.00	24.533	1200	341198.382	398087.120	3.279
316	0.025	5.00	24.533	2100	341205.904	398091.765	3.331
TANK 3	0.000	5.00	24.515	1200	341243.621	398071.119	3.382
317	0.094	5.00	24.515	2100	341248.561	398076.627	3.426
318	0.091	5.00	24.708	2100	341260.219	398071.923	3.650
319	0.029	5.00	24.941	2100	341282.632	398125.224	3.929
320	0.110	5.00	24.696	2100	341275.070	398107.098	3.733
321	0.135	5.00	25.124	2100	341314.077	398089.943	4.268
322	0.157	5.00	24.914	2100	341270.297	398253.604	3.412
323	0.069	5.00	24.902	2100	341288.203	398226.386	3.384
324	0.030	5.00	24.778	2100	341290.854	398236.225	3.285
325	0.039	5.00	24.654	2100	341291.059	398253.492	3.204
326	0.099	5.00	24.450	2100	341341.911	398253.141	3.127
TANK 4	0.000	5.00	24.512	1200	341363.892	398263.339	3.092
327	0.138	5.00	24.512	2100	341349.324	398250.030	3.209
328	0.019	5.00	24.618	2100	341353.071	398240.441	3.341
329	0.041	5.00	24.766	2100	341351.591	398225.264	3.527
330	0.168	5.00	25.233	2100	341335.864	398181.211	4.111
331	0.052	5.00	25.041	2100	341267.695	398176.505	3.851
332	0.133	5.00	25.468	2100	341297.165	398158.934	4.364
333	0.076	5.00	25.607	2100	341323.476	398147.260	4.575
334	0.238	5.00	25.125	2100	341360.416	398131.829	4.193
335	0.132	5.00	25.435	2100	341338.177	398079.352	4.645
336	0.000		25.307	1350	341355.981	398071.648	4.582

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	301	302	15.939	0.600	21.764	21.724	0.040	400.0	900	5.17	50.0
1.001	302	303	9.091	0.600	21.724	21.701	0.023	400.0	900	5.27	50.0
1.002	303	304	20.005	0.600	21.701	21.651	0.050	400.0	900	5.48	50.0
1.003	304	305	19.326	0.600	21.651	21.603	0.048	400.0	900	5.69	50.0
1.004	305	306	57.029	0.600	21.603	21.460	0.143	400.0	900	6.30	50.0
1.005	306	307	32.852	0.600	21.460	21.378	0.082	400.0	900	6.65	50.0
1.006	307	308	7.724	0.600	21.378	21.359	0.019	400.0	900	6.73	50.0

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.007	308	309	6.487	0.600	21.359	21.343	0.016	400.0	900	6.80	50.0
1.008	309	310	7.635	0.600	21.343	21.324	0.019	400.0	900	6.88	50.0
1.009	310	316	48.695	0.600	21.324	21.202	0.122	400.0	900	7.40	50.0
2.000	TANK 1	311	12.615	0.600	21.761	23.100	-1.339	-9.4	225	5.21	50.0
2.001	311	312	11.634	0.600	21.686	21.657	0.029	400.0	900	5.33	50.0
2.002	312	313	44.503	0.600	21.657	21.546	0.111	400.0	900	5.81	50.0
2.003	313	314	31.975	0.600	21.546	21.466	0.080	400.0	900	6.15	50.0
2.004	314	315	76.147	0.600	21.466	21.276	0.190	400.0	900	6.97	50.0
2.005	315	316	29.460	0.600	21.276	21.202	0.074	400.0	900	7.28	50.0
8.000	TANK 2	316	8.841	0.600	21.254	23.100	-1.846	-4.8	225	5.15	50.0
1.010	316	317	45.263	0.600	21.202	21.089	0.113	400.0	900	7.88	50.0
9.000	TANK 3	317	7.399	0.600	21.133	23.100	-1.967	-3.8	225	5.12	50.0
1.011	317	318	12.571	0.600	21.089	21.058	0.031	400.0	900	8.02	50.0
1.012	318	320	38.182	0.600	21.058	20.963	0.095	400.0	900	8.43	50.0
3.000	319	320	19.640	0.600	21.012	20.963	0.049	400.0	900	5.21	50.0
1.013	320	321	42.613	0.600	20.963	20.856	0.107	400.0	900	8.88	50.0
1.014	321	335	26.324	0.600	20.856	20.790	0.066	400.0	900	9.16	50.0
4.000	322	325	20.762	0.600	21.502	21.450	0.052	400.0	900	5.22	50.0
5.000	323	324	10.190	0.600	21.518	21.493	0.025	400.0	900	5.11	50.0
5.001	324	325	17.268	0.600	21.493	21.450	0.043	400.0	900	5.29	50.0
4.001	325	326	50.853	0.600	21.450	21.323	0.127	400.0	900	5.84	50.0
4.002	326	327	8.039	0.600	21.323	21.303	0.020	400.0	900	5.92	50.0
7.000	TANK 4	327	19.732	0.600	21.420	23.100	-1.680	-11.7	225	5.33	50.0
4.003	327	328	10.295	0.600	21.303	21.277	0.026	400.0	900	6.03	50.0
4.004	328	329	15.249	0.600	21.277	21.239	0.038	400.0	900	6.20	50.0
4.005	329	330	46.776	0.600	21.239	21.122	0.117	400.0	900	6.70	50.0
4.006	330	333	36.140	0.600	21.122	21.032	0.090	400.0	900	7.08	50.0
6.000	331	332	34.311	0.600	21.190	21.104	0.086	400.0	900	5.37	50.0
6.001	332	333	28.785	0.600	21.104	21.032	0.072	400.0	900	5.67	50.0
4.007	333	334	40.033	0.600	21.032	20.932	0.100	400.0	900	7.51	50.0
4.008	334	335	56.995	0.600	20.932	20.790	0.142	400.0	900	8.12	50.0
1.015	335	336	19.399	0.600	20.790	20.725	0.065	298.4	375	9.47	49.3

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	15.939	400.0	900	Circular_Default Sewer Type	24.773	21.764	2.109	24.809	21.724	2.185
1.001	9.091	400.0	900	Circular_Default Sewer Type	24.809	21.724	2.185	24.709	21.701	2.108
1.002	20.005	400.0	900	Circular_Default Sewer Type	24.709	21.701	2.108	24.604	21.651	2.053
1.003	19.326	400.0	900	Circular_Default Sewer Type	24.604	21.651	2.053	24.847	21.603	2.344
1.004	57.029	400.0	900	Circular_Default Sewer Type	24.847	21.603	2.344	24.108	21.460	1.748
1.005	32.852	400.0	900	Circular_Default Sewer Type	24.108	21.460	1.748	23.991	21.378	1.713

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	301	2100	Manhole	Adoptable	302	2100	Manhole	Adoptable
1.001	302	2100	Manhole	Adoptable	303	2100	Manhole	Adoptable
1.002	303	2100	Manhole	Adoptable	304	2100	Manhole	Adoptable
1.003	304	2100	Manhole	Adoptable	305	2100	Manhole	Adoptable
1.004	305	2100	Manhole	Adoptable	306	2100	Manhole	Adoptable
1.005	306	2100	Manhole	Adoptable	307	2100	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.006	7.724	400.0	900	Circular_Default Sewer Type	23.991	21.378	1.713	24.080	21.359	1.821
1.007	6.487	400.0	900	Circular_Default Sewer Type	24.080	21.359	1.821	24.142	21.343	1.899
1.008	7.635	400.0	900	Circular_Default Sewer Type	24.142	21.343	1.899	24.242	21.324	2.018
1.009	48.695	400.0	900	Circular_Default Sewer Type	24.242	21.324	2.018	24.533	21.202	2.431
2.000	12.615	-9.4	225	Circular_Default Sewer Type	25.373	21.761	3.387	25.373	23.100	2.048
2.001	11.634	400.0	900	Circular_Default Sewer Type	25.373	21.686	2.787	25.474	21.657	2.917
2.002	44.503	400.0	900	Circular_Default Sewer Type	25.474	21.657	2.917	25.195	21.546	2.749
2.003	31.975	400.0	900	Circular_Default Sewer Type	25.195	21.546	2.749	25.019	21.466	2.653
2.004	76.147	400.0	900	Circular_Default Sewer Type	25.019	21.466	2.653	24.445	21.276	2.269
2.005	29.460	400.0	900	Circular_Default Sewer Type	24.445	21.276	2.269	24.533	21.202	2.431
8.000	8.841	-4.8	225	Circular_Default Sewer Type	24.533	21.254	3.054	24.533	23.100	1.208
1.010	45.263	400.0	900	Circular_Default Sewer Type	24.533	21.202	2.431	24.515	21.089	2.526
9.000	7.399	-3.8	225	Circular_Default Sewer Type	24.515	21.133	3.157	24.515	23.100	1.190
1.011	12.571	400.0	900	Circular_Default Sewer Type	24.515	21.089	2.526	24.708	21.058	2.750
1.012	38.182	400.0	900	Circular_Default Sewer Type	24.708	21.058	2.750	24.696	20.963	2.833
3.000	19.640	400.0	900	Circular_Default Sewer Type	24.941	21.012	3.029	24.696	20.963	2.833
1.013	42.613	400.0	900	Circular_Default Sewer Type	24.696	20.963	2.833	25.124	20.856	3.368
1.014	26.324	400.0	900	Circular_Default Sewer Type	25.124	20.856	3.368	25.435	20.790	3.745
4.000	20.762	400.0	900	Circular_Default Sewer Type	24.914	21.502	2.512	24.654	21.450	2.304
5.000	10.190	400.0	900	Circular_Default Sewer Type	24.902	21.518	2.484	24.778	21.493	2.385
5.001	17.268	400.0	900	Circular_Default Sewer Type	24.778	21.493	2.385	24.654	21.450	2.304
4.001	50.853	400.0	900	Circular_Default Sewer Type	24.654	21.450	2.304	24.450	21.323	2.227
4.002	8.039	400.0	900	Circular_Default Sewer Type	24.450	21.323	2.227	24.512	21.303	2.309
7.000	19.732	-11.7	225	Circular_Default Sewer Type	24.512	21.420	2.867	24.512	23.100	1.187
4.003	10.295	400.0	900	Circular_Default Sewer Type	24.512	21.303	2.309	24.618	21.277	2.441

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.006	307	2100	Manhole	Adoptable	308	2100	Manhole	Adoptable
1.007	308	2100	Manhole	Adoptable	309	2100	Manhole	Adoptable
1.008	309	2100	Manhole	Adoptable	310	2100	Manhole	Adoptable
1.009	310	2100	Manhole	Adoptable	316	2100	Manhole	Adoptable
2.000	TANK 1	1200	Manhole	Adoptable	311	2100	Manhole	Adoptable
2.001	311	2100	Manhole	Adoptable	312	2100	Manhole	Adoptable
2.002	312	2100	Manhole	Adoptable	313	2100	Manhole	Adoptable
2.003	313	2100	Manhole	Adoptable	314	2100	Manhole	Adoptable
2.004	314	2100	Manhole	Adoptable	315	2100	Manhole	Adoptable
2.005	315	2100	Manhole	Adoptable	316	2100	Manhole	Adoptable
8.000	TANK 2	1200	Manhole	Adoptable	316	2100	Manhole	Adoptable
1.010	316	2100	Manhole	Adoptable	317	2100	Manhole	Adoptable
9.000	TANK 3	1200	Manhole	Adoptable	317	2100	Manhole	Adoptable
1.011	317	2100	Manhole	Adoptable	318	2100	Manhole	Adoptable
1.012	318	2100	Manhole	Adoptable	320	2100	Manhole	Adoptable
3.000	319	2100	Manhole	Adoptable	320	2100	Manhole	Adoptable
1.013	320	2100	Manhole	Adoptable	321	2100	Manhole	Adoptable
1.014	321	2100	Manhole	Adoptable	335	2100	Manhole	Adoptable
4.000	322	2100	Manhole	Adoptable	325	2100	Manhole	Adoptable
5.000	323	2100	Manhole	Adoptable	324	2100	Manhole	Adoptable
5.001	324	2100	Manhole	Adoptable	325	2100	Manhole	Adoptable
4.001	325	2100	Manhole	Adoptable	326	2100	Manhole	Adoptable
4.002	326	2100	Manhole	Adoptable	327	2100	Manhole	Adoptable
7.000	TANK 4	1200	Manhole	Adoptable	327	2100	Manhole	Adoptable
4.003	327	2100	Manhole	Adoptable	328	2100	Manhole	Adoptable

Pipeline Schedule

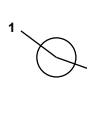
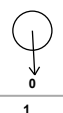
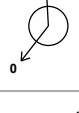
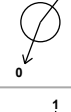
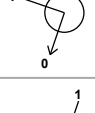
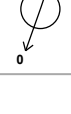
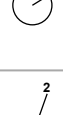
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
4.004	15.249	400.0	900	Circular_Default Sewer Type	24.618	21.277	2.441	24.766	21.239	2.627
4.005	46.776	400.0	900	Circular_Default Sewer Type	24.766	21.239	2.627	25.233	21.122	3.211
4.006	36.140	400.0	900	Circular_Default Sewer Type	25.233	21.122	3.211	25.607	21.032	3.675
6.000	34.311	400.0	900	Circular_Default Sewer Type	25.041	21.190	2.951	25.468	21.104	3.464
6.001	28.785	400.0	900	Circular_Default Sewer Type	25.468	21.104	3.464	25.607	21.032	3.675
4.007	40.033	400.0	900	Circular_Default Sewer Type	25.607	21.032	3.675	25.125	20.932	3.293
4.008	56.995	400.0	900	Circular_Default Sewer Type	25.125	20.932	3.293	25.435	20.790	3.745
1.015	19.399	298.4	375	Circular_Default Sewer Type	25.435	20.790	4.270	25.307	20.725	4.207

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
4.004	328	2100	Manhole	Adoptable	329	2100	Manhole	Adoptable
4.005	329	2100	Manhole	Adoptable	330	2100	Manhole	Adoptable
4.006	330	2100	Manhole	Adoptable	333	2100	Manhole	Adoptable
6.000	331	2100	Manhole	Adoptable	332	2100	Manhole	Adoptable
6.001	332	2100	Manhole	Adoptable	333	2100	Manhole	Adoptable
4.007	333	2100	Manhole	Adoptable	334	2100	Manhole	Adoptable
4.008	334	2100	Manhole	Adoptable	335	2100	Manhole	Adoptable
1.015	335	2100	Manhole	Adoptable	336	1350	Manhole	Adoptable

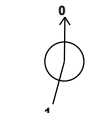
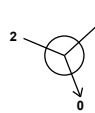
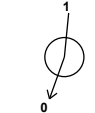
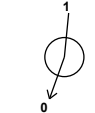
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
301	341171.755	398261.713	24.773	3.009	2100		0	1.000	21.764	900
302	341171.784	398245.774	24.809	3.085	2100		1	1.000	21.724	900
303	341170.140	398236.833	24.709	3.008	2100		0	1.001	21.724	900
304	341163.691	398217.896	24.604	2.953	2100		1	1.001	21.701	900
305	341181.985	398211.666	24.847	3.244	2100		0	1.002	21.701	900
306	341164.026	398157.539	24.108	2.648	2100		1	1.002	21.651	900
307	341153.363	398126.466	23.991	2.613	2100		0	1.003	21.651	900
							1	1.003	21.603	900
							0	1.004	21.603	900
							1	1.004	21.460	900
							0	1.005	21.460	900
							1	1.005	21.378	900
							0	1.006	21.378	900

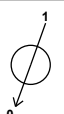
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
308	341152.150	398118.838	24.080	2.721	2100		1	1.006	21.359	900
							0	1.007	21.359	900
309	341153.886	398112.588	24.142	2.799	2100		1	1.007	21.343	900
							0	1.008	21.343	900
310	341160.001	398108.017	24.242	2.918	2100		1	1.008	21.324	900
							0	1.009	21.324	900
TANK 1	341231.919	398265.479	25.373	3.612	1200		0	2.000	21.761	225
311	341232.605	398252.883	25.373	3.687	2100		1	2.000	23.100	225
							0	2.001	21.686	900
312	341225.464	398243.698	25.474	3.817	2100		1	2.001	21.657	900
							0	2.002	21.657	900
313	341209.882	398202.012	25.195	3.649	2100		1	2.002	21.546	900
							0	2.003	21.546	900
314	341240.137	398191.667	25.019	3.553	2100		1	2.003	21.466	900
							0	2.004	21.466	900
315	341215.736	398119.536	24.445	3.169	2100		1	2.004	21.276	900
							0	2.005	21.276	900
TANK 2	341198.382	398087.120	24.533	3.279	1200		0	8.000	21.254	225
316	341205.904	398091.765	24.533	3.331	2100		1	8.000	23.100	225
							2	2.005	21.202	900
							3	1.009	21.202	900
							0	1.010	21.202	900
TANK 3	341243.621	398071.119	24.515	3.382	1200		0	9.000	21.133	225
317	341248.561	398076.627	24.515	3.426	2100		1	9.000	23.100	225
							2	1.010	21.089	900
							0	1.011	21.089	900

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
318	341260.219	398071.923	24.708	3.650	2100		1	1.011	21.058	900
						0	1.012	21.058	900	
319	341282.632	398125.224	24.941	3.929	2100		0	3.000	21.012	900
320	341275.070	398107.098	24.696	3.733	2100		1	3.000	20.963	900
						2	1.012	20.963	900	
321	341314.077	398089.943	25.124	4.268	2100		0	1.013	20.963	900
						1	1.013	20.856	900	
322	341270.297	398253.604	24.914	3.412	2100		0	1.014	20.856	900
						0	4.000	21.502	900	
323	341288.203	398226.386	24.902	3.384	2100		0	5.000	21.518	900
						0	5.000	21.493	900	
324	341290.854	398236.225	24.778	3.285	2100		1	5.001	21.493	900
						0	5.001	21.450	900	
325	341291.059	398253.492	24.654	3.204	2100		2	4.000	21.450	900
						0	4.001	21.450	900	
326	341341.911	398253.141	24.450	3.127	2100		1	4.001	21.323	900
						0	4.002	21.323	900	
TANK 4	341363.892	398263.339	24.512	3.092	1200		0	7.000	21.420	225
327	341349.324	398250.030	24.512	3.209	2100		1	7.000	23.100	225
						2	4.002	21.303	900	
328	341353.071	398240.441	24.618	3.341	2100		0	4.003	21.303	900
						1	4.003	21.277	900	
329	341351.591	398225.264	24.766	3.527	2100		0	4.004	21.277	900
						1	4.004	21.239	900	
							0	4.005	21.239	900

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
330	341335.864	398181.211	25.233	4.111	2100		1 4.005	21.122	900
							0 4.006	21.122	900
331	341267.695	398176.505	25.041	3.851	2100		0 6.000	21.190	900
332	341297.165	398158.934	25.468	4.364	2100		1 6.000	21.104	900
							0 6.001	21.104	900
333	341323.476	398147.260	25.607	4.575	2100		1 6.001	21.032	900
							2 4.006	21.032	900
							0 4.007	21.032	900
334	341360.416	398131.829	25.125	4.193	2100		1 4.007	20.932	900
							0 4.008	20.932	900
335	341338.177	398079.352	25.435	4.645	2100		1 4.008	20.790	900
							2 1.014	20.790	900
							0 1.015	20.790	375
336	341355.981	398071.648	25.307	4.582	1350		1 1.015	20.725	375

Node 335 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	20.790	Product Number	CTL-SHE-0192-2500-2850-2500
Design Depth (m)	2.850	Min Outlet Diameter (m)	0.225
Design Flow (l/s)	25.0	Min Node Diameter (mm)	2100

Node TANK 1 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	21.686	Discharge Coefficient	0.600
Loop to Node	311	Diameter (m)	0.225		

Node TANK 4 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	21.303	Discharge Coefficient	0.600
Loop to Node	327	Diameter (m)	0.225		

Node TANK 2 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	21.202	Discharge Coefficient	0.600
Loop to Node	316	Diameter (m)	0.225		

Node TANK 3 Offline Orifice Control

Flap Valve	✓	Invert Level (m)	21.089	Discharge Coefficient	0.600
Loop to Node	317	Diameter (m)	0.225		

Node TANK 1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.761
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	98.0	0.0	1.600	98.0	0.0	1.601	0.0	0.0

Node TANK 4 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.420
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	84.0	84.0	1.600	84.0	136.0	1.601	0.0	136.0

Node TANK 2 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.254
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	210.0	210.0	1.600	210.0	292.2	1.601	0.0	292.2

Node TANK 3 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	21.133
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	210.0	210.0	1.600	210.0	292.2	1.601	0.0	292.2

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	301	10	21.819	0.055	7.9	0.2125	0.0000	OK
15 minute winter	302	11	21.810	0.086	15.6	0.3318	0.0000	OK
15 minute winter	303	11	21.797	0.096	22.4	0.3684	0.0000	OK
15 minute winter	304	11	21.763	0.112	29.9	0.4316	0.0000	OK
15 minute winter	305	11	21.725	0.122	40.2	0.4837	0.0000	OK
15 minute winter	306	12	21.595	0.135	48.0	0.5371	0.0000	OK
120 minute winter	307	110	21.589	0.211	23.8	0.9808	0.0000	OK
120 minute winter	308	110	21.588	0.229	25.2	0.8465	0.0000	OK
120 minute winter	309	110	21.588	0.245	27.5	0.9418	0.0000	OK
120 minute winter	310	110	21.588	0.264	30.5	1.0406	0.0000	OK
15 minute summer	TANK 1	1	21.686	-0.075	0.0	0.0000	0.0000	OK
15 minute winter	311	11	21.729	0.043	1.1	0.1495	0.0000	OK
15 minute winter	312	11	21.728	0.071	13.7	0.2840	0.0000	OK
15 minute winter	313	11	21.644	0.098	26.4	0.3928	0.0000	OK
15 minute winter	314	12	21.591	0.125	45.9	0.5419	0.0000	OK
120 minute winter	315	110	21.588	0.312	24.8	1.4632	0.0000	OK
15 minute summer	TANK 2	1	21.202	-0.052	0.0	0.0000	0.0000	OK
120 minute winter	316	112	21.587	0.385	52.1	1.3929	0.0000	OK
15 minute summer	TANK 3	1	21.089	-0.044	0.0	0.0000	0.0000	OK
120 minute winter	317	112	21.587	0.498	51.2	1.9984	0.0000	OK
120 minute winter	318	112	21.587	0.529	46.7	2.0962	0.0000	OK
120 minute winter	319	108	21.588	0.576	3.7	2.0792	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	301	1.000	302	7.6	0.338	0.008	0.3710	
15 minute winter	302	1.001	303	15.2	0.456	0.015	0.3037	
15 minute winter	303	1.002	304	22.5	0.555	0.023	0.8125	
15 minute winter	304	1.003	305	29.6	0.616	0.030	0.9302	
15 minute winter	305	1.004	306	39.9	0.740	0.040	3.1135	
15 minute winter	306	1.005	307	46.1	0.610	0.046	2.5151	
120 minute winter	307	1.006	308	23.8	0.535	0.024	0.9258	
120 minute winter	308	1.007	309	25.2	0.558	0.025	0.8651	
120 minute winter	309	1.008	310	27.4	0.637	0.028	1.1237	
120 minute winter	310	1.009	316	30.2	0.565	0.030	10.0743	
15 minute summer	TANK 1	2.000	311	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 1	Orifice	311	0.0				0.0
15 minute winter	311	2.001	312	1.2	0.105	0.001	0.1979	
15 minute winter	312	2.002	313	13.4	0.448	0.013	1.3397	
15 minute winter	313	2.003	314	25.9	0.580	0.026	1.4318	
15 minute winter	314	2.004	315	43.5	0.666	0.044	5.1872	
120 minute winter	315	2.005	316	23.0	0.493	0.023	6.6898	
15 minute summer	TANK 2	8.000	316	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 2	Orifice	316	0.0				0.0
120 minute winter	316	1.010	317	47.3	0.665	0.048	14.0135	
15 minute summer	TANK 3	9.000	317	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 3	Orifice	317	0.0				0.0
120 minute winter	317	1.011	318	42.9	0.648	0.043	4.6986	
120 minute winter	318	1.012	320	40.1	0.566	0.040	16.3606	
120 minute winter	319	3.000	320	-2.7	0.081	-0.003	8.8185	

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	320	108	21.588	0.625	44.5	2.5316	0.0000	OK
120 minute winter	321	108	21.587	0.731	39.7	2.9957	0.0000	OK
15 minute winter	322	10	21.594	0.092	21.3	0.4024	0.0000	OK
120 minute winter	323	104	21.589	0.071	3.1	0.2746	0.0000	OK
120 minute winter	324	104	21.589	0.096	4.4	0.3492	0.0000	OK
120 minute winter	325	104	21.588	0.138	13.1	0.5130	0.0000	OK
120 minute winter	326	106	21.588	0.265	17.4	1.0846	0.0000	OK
15 minute summer	TANK 4	1	21.303	-0.117	0.0	0.0000	0.0000	OK
120 minute winter	327	106	21.588	0.285	23.1	1.2309	0.0000	OK
120 minute winter	328	106	21.588	0.311	23.8	1.1112	0.0000	OK
120 minute winter	329	106	21.588	0.349	24.4	1.2887	0.0000	OK
120 minute winter	330	106	21.588	0.466	29.7	1.9944	0.0000	OK
120 minute winter	331	114	21.588	0.398	5.5	1.4863	0.0000	OK
120 minute winter	332	104	21.587	0.483	10.1	1.9685	0.0000	OK
120 minute winter	333	104	21.587	0.555	24.7	2.1081	0.0000	OK
120 minute winter	334	108	21.588	0.656	21.9	3.0184	0.0000	OK
120 minute winter	335	106	21.588	0.798	36.6	3.2166	0.0000	SURCHARGED
15 minute summer	336	1	20.725	0.000	24.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	320	1.013	321	34.3	0.439	0.035	21.7659	
120 minute winter	321	1.014	335	30.2	0.195	0.030	15.0843	
15 minute winter	322	4.000	325	20.8	0.535	0.021	0.8342	
120 minute winter	323	5.000	324	3.1	0.323	0.003	0.3003	
120 minute winter	324	5.001	325	4.4	0.268	0.004	0.8410	
120 minute winter	325	4.001	326	13.0	0.452	0.013	5.5121	
120 minute winter	326	4.002	327	16.9	0.459	0.017	1.3157	
15 minute summer	TANK 4	7.000	327	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 4	Orifice	327	0.0				0.0
120 minute winter	327	4.003	328	22.9	0.592	0.023	1.8830	
120 minute winter	328	4.004	329	22.6	0.621	0.023	3.2073	
120 minute winter	329	4.005	330	22.6	0.554	0.023	13.0492	
120 minute winter	330	4.006	333	21.5	0.521	0.022	13.4034	
120 minute winter	331	6.000	332	-3.3	0.169	-0.003	10.5724	
120 minute winter	332	6.001	333	-5.0	0.228	-0.005	10.9011	
120 minute winter	333	4.007	334	16.1	0.461	0.016	18.1275	
120 minute winter	334	4.008	335	15.3	0.237	0.015	31.0488	
120 minute winter	335	Hydro-Brake®	336	24.9				404.7

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	301	236	22.884	1.120	4.7	4.3123	0.0000	SURCHARGED
240 minute winter	302	236	22.885	1.161	7.4	4.4648	0.0000	SURCHARGED
240 minute winter	303	236	22.885	1.184	11.1	4.5432	0.0000	SURCHARGED
240 minute winter	304	236	22.887	1.236	14.5	4.7643	0.0000	SURCHARGED
240 minute winter	305	236	22.887	1.284	18.7	5.1047	0.0000	SURCHARGED
240 minute winter	306	236	22.887	1.427	25.2	5.6861	0.0000	SURCHARGED
240 minute winter	307	236	22.888	1.510	26.2	7.0319	0.0000	SURCHARGED
240 minute winter	308	236	22.888	1.529	22.5	5.6433	0.0000	SURCHARGED
240 minute winter	309	236	22.888	1.545	23.6	5.9368	0.0000	SURCHARGED
240 minute winter	310	236	22.889	1.565	25.6	6.1690	0.0000	SURCHARGED
15 minute summer	TANK 1	1	21.686	-0.075	0.0	0.0000	0.0000	OK
240 minute winter	311	236	22.893	1.207	4.2	4.2317	0.0000	SURCHARGED
240 minute winter	312	236	22.893	1.236	12.9	4.9089	0.0000	SURCHARGED
240 minute winter	313	236	22.894	1.348	14.6	5.4238	0.0000	SURCHARGED
240 minute winter	314	236	22.894	1.428	22.0	6.2070	0.0000	SURCHARGED
240 minute winter	315	236	22.891	1.615	28.0	7.5708	0.0000	SURCHARGED
15 minute summer	TANK 2	1	21.202	-0.052	0.0	0.0000	0.0000	OK
240 minute winter	316	236	22.890	1.688	38.9	6.1013	0.0000	SURCHARGED
15 minute summer	TANK 3	1	21.089	-0.044	0.0	0.0000	0.0000	OK
240 minute winter	317	236	22.891	1.802	33.5	7.2285	0.0000	SURCHARGED
240 minute winter	318	236	22.891	1.833	33.2	7.2617	0.0000	SURCHARGED
240 minute winter	319	236	22.892	1.880	4.8	6.7870	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	301	1.000	302	3.7	0.275	0.004	10.1017	
240 minute winter	302	1.001	303	7.3	0.394	0.007	5.7616	
240 minute winter	303	1.002	304	10.9	0.462	0.011	12.6786	
240 minute winter	304	1.003	305	13.7	0.509	0.014	12.2483	
240 minute winter	305	1.004	306	18.4	0.543	0.018	36.1435	
240 minute winter	306	1.005	307	-22.0	0.459	-0.022	20.8207	
240 minute winter	307	1.006	308	21.1	0.511	0.021	4.8953	
240 minute winter	308	1.007	309	21.4	0.528	0.022	4.1113	
240 minute winter	309	1.008	310	22.7	0.599	0.023	4.8389	
240 minute winter	310	1.009	316	23.8	0.487	0.024	30.8616	
15 minute summer	TANK 1	2.000	311	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 1	Orifice	311	0.0				0.0
240 minute winter	311	2.001	312	-4.0	-0.079	-0.004	7.3733	
240 minute winter	312	2.002	313	-10.9	0.340	-0.011	28.2048	
240 minute winter	313	2.003	314	10.8	0.428	0.011	20.2649	
240 minute winter	314	2.004	315	17.5	0.452	0.018	48.2600	
240 minute winter	315	2.005	316	-18.3	0.427	-0.018	18.6710	
15 minute summer	TANK 2	8.000	316	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 2	Orifice	316	0.0				0.0
240 minute winter	316	1.010	317	29.6	0.552	0.030	28.6865	
15 minute summer	TANK 3	9.000	317	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 3	Orifice	317	0.0				0.0
240 minute winter	317	1.011	318	29.4	0.562	0.030	7.9672	
240 minute winter	318	1.012	320	28.7	0.578	0.029	24.1988	
240 minute winter	319	3.000	320	-4.4	0.060	-0.004	12.4473	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	320	236	22.891	1.928	33.3	7.8147	0.0000	SURCHARGED
240 minute winter	321	236	22.890	2.034	29.3	8.3302	0.0000	SURCHARGED
240 minute winter	322	236	22.889	1.387	9.9	6.0784	0.0000	SURCHARGED
240 minute winter	323	236	22.889	1.371	4.4	5.3088	0.0000	SURCHARGED
240 minute winter	324	236	22.889	1.396	5.5	5.0905	0.0000	SURCHARGED
240 minute winter	325	236	22.889	1.439	16.9	5.3327	0.0000	SURCHARGED
240 minute winter	326	236	22.886	1.563	17.7	6.4054	0.0000	SURCHARGED
15 minute summer	TANK 4	1	21.303	-0.117	0.0	0.0000	0.0000	OK
240 minute winter	327	236	22.886	1.583	19.9	6.8452	0.0000	SURCHARGED
240 minute winter	328	236	22.886	1.609	18.7	5.7541	0.0000	SURCHARGED
240 minute winter	329	236	22.885	1.646	17.9	6.0840	0.0000	SURCHARGED
240 minute winter	330	232	22.886	1.764	19.7	7.5503	0.0000	SURCHARGED
240 minute winter	331	236	22.887	1.697	5.5	6.3357	0.0000	SURCHARGED
240 minute winter	332	236	22.886	1.782	10.1	7.2582	0.0000	SURCHARGED
240 minute winter	333	232	22.886	1.854	19.4	7.0388	0.0000	SURCHARGED
240 minute winter	334	232	22.889	1.957	28.3	8.9983	0.0000	SURCHARGED
240 minute winter	335	236	22.889	2.099	33.0	8.4621	0.0000	SURCHARGED
15 minute summer	336	1	20.725	0.000	25.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	320	1.013	321	23.7	0.435	0.024	27.0070	
240 minute winter	321	1.014	335	22.8	0.184	0.023	16.6835	
240 minute winter	322	4.000	325	7.8	0.379	0.008	13.1584	
240 minute winter	323	5.000	324	3.5	0.332	0.003	6.4582	
240 minute winter	324	5.001	325	4.8	0.272	0.005	10.9440	
240 minute winter	325	4.001	326	13.1	0.419	0.013	32.2293	
240 minute winter	326	4.002	327	13.5	0.425	0.014	5.0949	
15 minute summer	TANK 4	7.000	327	0.0	0.000	0.000	0.0000	
15 minute summer	TANK 4	Orifice	327	0.0				0.0
240 minute winter	327	4.003	328	17.8	0.537	0.018	6.5247	
240 minute winter	328	4.004	329	16.0	0.541	0.016	9.6644	
240 minute winter	329	4.005	330	13.9	0.444	0.014	29.6454	
240 minute winter	330	4.006	333	13.5	0.449	0.014	22.9046	
240 minute winter	331	6.000	332	3.6	0.137	0.004	21.7454	
240 minute winter	332	6.001	333	8.6	0.206	0.009	18.2432	
240 minute winter	333	4.007	334	15.6	0.497	0.016	25.3719	
240 minute winter	334	4.008	335	25.2	0.241	0.025	36.1219	
240 minute winter	335	Hydro-Brake®	336	25.0				622.0

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	301	352	23.573	1.809	5.2	6.9629	0.0000	SURCHARGED
360 minute winter	302	352	23.573	1.849	11.3	7.1114	0.0000	SURCHARGED
360 minute winter	303	352	23.573	1.872	16.4	7.1813	0.0000	SURCHARGED
30 minute winter	304	22	23.604	1.953	263.1	7.5327	0.0000	SURCHARGED
30 minute winter	305	22	23.592	1.989	349.3	7.9082	0.0000	SURCHARGED
360 minute winter	306	352	23.575	2.115	50.6	8.4287	0.0000	SURCHARGED
360 minute winter	307	352	23.576	2.198	51.6	10.2406	0.0000	SURCHARGED
360 minute winter	308	352	23.577	2.218	52.0	8.1862	0.0000	SURCHARGED
360 minute winter	309	352	23.577	2.234	57.2	8.5838	0.0000	SURCHARGED
360 minute winter	310	352	23.578	2.253	64.3	8.8855	0.0000	SURCHARGED
360 minute winter	TANK 1	352	23.582	1.821	56.3	151.1137	0.0000	SURCHARGED
360 minute winter	311	352	23.582	1.896	56.0	6.6509	0.0000	SURCHARGED
360 minute winter	312	352	23.582	1.925	55.0	7.6466	0.0000	SURCHARGED
360 minute winter	313	352	23.581	2.035	45.6	8.1857	0.0000	SURCHARGED
360 minute winter	314	352	23.580	2.114	38.2	9.1887	0.0000	SURCHARGED
360 minute winter	315	352	23.579	2.303	32.7	10.7959	0.0000	SURCHARGED
360 minute winter	TANK 2	352	23.579	2.325	69.8	322.0293	0.0000	SURCHARGED
360 minute winter	316	352	23.579	2.377	75.1	8.5896	0.0000	SURCHARGED
360 minute winter	TANK 3	352	23.579	2.446	78.8	322.1669	0.0000	SURCHARGED
360 minute winter	317	352	23.579	2.490	87.8	9.9915	0.0000	SURCHARGED
360 minute winter	318	352	23.580	2.522	79.8	9.9907	0.0000	SURCHARGED
360 minute winter	319	352	23.580	2.568	6.5	9.2747	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	301	1.000	302	6.1	0.268	0.006	10.1017	
360 minute winter	302	1.001	303	11.5	0.373	0.012	5.7616	
360 minute winter	303	1.002	304	16.6	0.449	0.017	12.6786	
30 minute winter	304	1.003	305	-239.2	0.819	-0.241	12.2483	
30 minute winter	305	1.004	306	-315.1	0.825	-0.318	36.1435	
360 minute winter	306	1.005	307	-45.0	0.407	-0.045	20.8207	
360 minute winter	307	1.006	308	49.3	0.459	0.050	4.8953	
360 minute winter	308	1.007	309	52.6	0.468	0.053	4.1113	
360 minute winter	309	1.008	310	58.2	0.520	0.059	4.8389	
360 minute winter	310	1.009	316	65.4	0.429	0.066	30.8616	
360 minute winter	TANK 1	2.000	311	-56.3	-3.141	-1.416	0.5017	
360 minute winter	TANK 1	Orifice	311	8.9				73.8
360 minute winter	311	2.001	312	-55.3	-0.087	-0.056	7.3733	
360 minute winter	312	2.002	313	-46.5	0.305	-0.047	28.2048	
360 minute winter	313	2.003	314	-36.7	0.374	-0.037	20.2649	
360 minute winter	314	2.004	315	-25.6	0.386	-0.026	48.2600	
360 minute winter	315	2.005	316	24.7	0.365	0.025	18.6710	
360 minute winter	TANK 2	8.000	316	-69.8	-4.869	-1.756	0.3516	
360 minute winter	TANK 2	Orifice	316	8.2				51.1
360 minute winter	316	1.010	317	-51.0	0.588	-0.051	28.6865	
360 minute winter	TANK 3	9.000	317	-78.8	-5.226	-1.983	0.2943	
360 minute winter	TANK 3	Orifice	317	5.8				29.2
360 minute winter	317	1.011	318	-79.8	0.602	-0.080	7.9672	
360 minute winter	318	1.012	320	-72.0	0.608	-0.073	24.1988	
360 minute winter	319	3.000	320	-4.0	0.073	-0.004	12.4473	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.79%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	320	352	23.580	2.617	72.0	10.6082	0.0000	SURCHARGED
360 minute winter	321	352	23.581	2.725	60.2	11.1600	0.0000	SURCHARGED
30 minute winter	322	24	23.582	2.080	76.3	9.1182	0.0000	SURCHARGED
360 minute winter	323	352	23.574	2.056	8.7	7.9602	0.0000	SURCHARGED
360 minute winter	324	352	23.575	2.082	11.4	7.5894	0.0000	SURCHARGED
360 minute winter	325	352	23.575	2.125	25.2	7.8781	0.0000	SURCHARGED
360 minute winter	326	352	23.577	2.254	33.7	9.2361	0.0000	SURCHARGED
360 minute winter	TANK 4	352	23.578	2.158	54.0	130.2006	0.0000	SURCHARGED
360 minute winter	327	352	23.578	2.275	53.9	9.8359	0.0000	SURCHARGED
360 minute winter	328	352	23.578	2.301	22.5	8.2305	0.0000	SURCHARGED
360 minute winter	329	352	23.578	2.339	25.6	8.6458	0.0000	SURCHARGED
360 minute winter	330	352	23.579	2.457	34.1	10.5184	0.0000	SURCHARGED
360 minute winter	331	352	23.583	2.393	8.2	8.9348	0.0000	SURCHARGED
360 minute winter	332	352	23.582	2.478	16.5	10.0916	0.0000	SURCHARGED
360 minute winter	333	352	23.580	2.548	43.4	9.6736	0.0000	SURCHARGED
360 minute winter	334	352	23.580	2.648	60.2	12.1790	0.0000	SURCHARGED
360 minute winter	335	352	23.581	2.791	71.6	11.2516	0.0000	SURCHARGED
15 minute summer	336	1	20.725	0.000	24.9	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	320	1.013	321	-60.1	0.428	-0.061	27.0070	
360 minute winter	321	1.014	335	-48.7	0.183	-0.049	16.6835	
30 minute winter	322	4.000	325	88.7	0.662	0.089	13.1584	
360 minute winter	323	5.000	324	6.1	0.290	0.006	6.4582	
360 minute winter	324	5.001	325	-8.8	0.240	-0.009	10.9440	
360 minute winter	325	4.001	326	25.3	0.370	0.025	32.2293	
360 minute winter	326	4.002	327	33.7	0.377	0.034	5.0949	
360 minute winter	TANK 4	7.000	327	-54.0	-2.194	-1.359	0.7848	
360 minute winter	TANK 4	Orifice	327	5.7				39.5
360 minute winter	327	4.003	328	21.7	0.479	0.022	6.5247	
360 minute winter	328	4.004	329	22.9	0.477	0.023	9.6644	
360 minute winter	329	4.005	330	25.4	0.465	0.026	29.6454	
360 minute winter	330	4.006	333	33.0	0.475	0.033	22.9046	
360 minute winter	331	6.000	332	4.8	0.146	0.005	21.7454	
360 minute winter	332	6.001	333	16.6	0.226	0.017	18.2432	
360 minute winter	333	4.007	334	43.0	0.489	0.043	25.3719	
360 minute winter	334	4.008	335	60.3	0.254	0.061	36.1219	
360 minute winter	335	Hydro-Brake®	336	25.0				789.6