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Gloucester House 66a Church Walk Burgess Hill, BN43 6LB				10768-Sefter Road Simulation Network 2 Revision E							
Date 03/01/2023 File 10768_Network 2_revE - 03.01.23.MDX				Designed by DT Checked by MR							
XP Solutions				Network 2020.1							
<u>Flows and Levels for Pipe 1.009 US/MH Headwall 14 (Surface Network 2)</u> <u>360 minute 10 year Winter</u> <u>Average Rainfall Intensity 7.110 mm/hr</u>											
Time (mins)	Upstream Level (m)	Downstream Level (m)	Surcharged Depth (m)	Total O/F (l/s)	Pipe Flow (l/s)	Time (mins)	Upstream Level (m)	Downstream Level (m)	Surcharged Depth (m)	Total O/F (l/s)	Pipe Flow (l/s)
6	4.185	4.171	-0.600	0.0	0.0	138	4.425	4.428	-0.360	0.0	3.5
12	4.187	4.179	-0.598	0.0	0.1	144	4.436	4.435	-0.349	0.0	3.6
18	4.193	4.189	-0.592	0.0	0.2	150	4.446	4.447	-0.339	0.0	3.7
24	4.204	4.203	-0.581	0.0	0.3	156	4.458	4.459	-0.327	0.0	3.7
30	4.219	4.219	-0.566	0.0	0.2	162	4.468	4.466	-0.317	0.0	3.8
36	4.238	4.238	-0.547	0.0	0.3	168	4.480	4.481	-0.305	0.0	4.0
42	4.257	4.256	-0.528	0.0	0.4	174	4.493	4.495	-0.292	0.0	4.1
48	4.275	4.274	-0.510	0.0	0.6	180	4.506	4.508	-0.279	0.0	4.1
54	4.292	4.292	-0.493	0.0	0.7	186	4.519	4.526	-0.266	0.0	4.3
60	4.307	4.309	-0.478	0.0	0.7	192	4.534	4.537	-0.251	0.0	3.8
66	4.319	4.315	-0.466	0.0	1.0	198	4.547	4.545	-0.238	0.0	4.1
72	4.330	4.330	-0.455	0.0	1.5	204	4.560	4.563	-0.225	0.0	4.3
78	4.340	4.340	-0.445	0.0	1.6	210	4.572	4.587	-0.213	0.0	4.3
84	4.348	4.349	-0.437	0.0	1.9	216	4.584	4.566	-0.201	0.0	3.8
90	4.355	4.353	-0.430	0.0	2.1	222	4.594	4.591	-0.191	0.0	4.5
96	4.362	4.369	-0.423	0.0	2.5	228	4.603	4.600	-0.182	0.0	4.2
102	4.370	4.372	-0.415	0.0	2.4	234	4.611	4.612	-0.174	0.0	4.2
108	4.376	4.380	-0.409	0.0	2.9	240	4.618	4.619	-0.167	0.0	4.2
114	4.385	4.386	-0.400	0.0	2.8	246	4.624	4.622	-0.161	0.0	4.1
120	4.394	4.396	-0.391	0.0	3.2	252	4.628	4.628	-0.157	0.0	4.2
126	4.403	4.399	-0.382	0.0	3.2	258	4.633	4.632	-0.152	0.0	4.1
132	4.414	4.413	-0.371	0.0	3.3	264	4.635	4.634	-0.150	0.0	4.1
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270	4.638	4.639	-0.147	0.0	4.1	402	4.628	4.630	-0.157	0.0	4.1
276	4.640	4.637	-0.145	0.0	4.1	408	4.625	4.624	-0.160	0.0	4.0
282	4.641	4.642	-0.144	0.0	4.1	414	4.623	4.621	-0.162	0.0	4.1
288	4.642	4.642	-0.143	0.0	4.1	420	4.620	4.622	-0.165	0.0	4.1
294	4.643	4.641	-0.142	0.0	4.1	426	4.618	4.617	-0.167	0.0	4.0
300	4.644	4.645	-0.141	0.0	4.1	432	4.615	4.612	-0.170	0.0	4.0
306	4.645	4.645	-0.140	0.0	4.1	438	4.612	4.613	-0.173	0.0	4.1
312	4.645	4.643	-0.140	0.0	4.1	444	4.610	4.611	-0.175	0.0	4.0
318	4.646	4.647	-0.139	0.0	4.1	450	4.607	4.605	-0.178	0.0	4.0
324	4.647	4.647	-0.138	0.0	4.1	456	4.605	4.604	-0.180	0.0	4.1
330	4.647	4.645	-0.138	0.0	4.1	462	4.602	4.604	-0.183	0.0	4.1
336	4.648	4.647	-0.137	0.0	4.1	468	4.600	4.598	-0.185	0.0	4.0
342	4.648	4.650	-0.137	0.0	4.1	474	4.597	4.595	-0.188	0.0	4.1
348	4.648	4.646	-0.137	0.0	4.0	480	4.594	4.597	-0.191	0.0	4.1
354	4.647	4.647	-0.138	0.0	4.1	486	4.592	4.591	-0.193	0.0	4.0
360	4.646	4.647	-0.139	0.0	4.1	492	4.589	4.587	-0.196	0.0	4.0
366	4.643	4.641	-0.142	0.0	4.0	498	4.587	4.589	-0.198	0.0	4.1
372	4.640	4.639	-0.145	0.0	4.0	504	4.584	4.583	-0.201	0.0	4.0
378	4.638	4.639	-0.147	0.0	4.1	510	4.581	4.581	-0.204	0.0	4.1
384	4.636	4.636	-0.149	0.0	4.0	516	4.579	4.580	-0.206	0.0	4.0
390	4.633	4.631	-0.152	0.0	4.0	522	4.576	4.574	-0.209	0.0	4.0
396	4.630	4.630	-0.155	0.0	4.1	528	4.574	4.576	-0.211	0.0	4.1
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534	4.571	4.568	-0.214	0.0	3.9	666	4.513	4.511	-0.272	0.0	3.9
540	4.568	4.570	-0.217	0.0	4.1	672	4.511	4.508	-0.274	0.0	3.9
546	4.566	4.564	-0.219	0.0	3.9	678	4.508	4.506	-0.277	0.0	3.9
552	4.563	4.566	-0.222	0.0	4.1	684	4.505	4.503	-0.280	0.0	3.9
558	4.561	4.558	-0.224	0.0	3.9	690	4.503	4.500	-0.282	0.0	3.9
564	4.558	4.559	-0.227	0.0	4.0	696	4.500	4.498	-0.285	0.0	3.9
570	4.555	4.556	-0.230	0.0	4.0	702	4.497	4.495	-0.288	0.0	3.9
576	4.553	4.551	-0.232	0.0	3.9	708	4.495	4.493	-0.290	0.0	3.9
582	4.550	4.553	-0.235	0.0	4.0	714	4.492	4.490	-0.293	0.0	3.9
588	4.548	4.545	-0.237	0.0	3.9	720	4.489	4.487	-0.296	0.0	3.9
594	4.545	4.546	-0.240	0.0	4.0	726	4.487	4.485	-0.298	0.0	3.8
600	4.542	4.545	-0.243	0.0	4.0	732	4.484	4.482	-0.301	0.0	3.8
606	4.540	4.539	-0.245	0.0	3.9	738	4.481	4.479	-0.304	0.0	3.8
612	4.537	4.535	-0.248	0.0	3.9	744	4.479	4.477	-0.306	0.0	3.8
618	4.535	4.532	-0.250	0.0	3.9	750	4.476	4.474	-0.309	0.0	3.8
624	4.532	4.530	-0.253	0.0	3.9	756	4.472	4.470	-0.313	0.0	3.7
630	4.529	4.527	-0.256	0.0	3.9	762	4.470	4.471	-0.315	0.0	3.8
636	4.527	4.524	-0.258	0.0	3.9	768	4.468	4.469	-0.317	0.0	3.7
642	4.524	4.522	-0.261	0.0	3.9	774	4.465	4.465	-0.320	0.0	3.7
648	4.521	4.519	-0.264	0.0	3.9	780	4.463	4.466	-0.322	0.0	3.7
654	4.519	4.516	-0.266	0.0	3.9	786	4.461	4.458	-0.324	0.0	3.6
660	4.516	4.514	-0.269	0.0	3.9	792	4.458	4.461	-0.327	0.0	3.7
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798	4.456	4.454	-0.329	0.0	3.5	930	4.403	4.402	-0.382	0.0	3.1
804	4.453	4.455	-0.332	0.0	3.6	936	4.401	4.400	-0.384	0.0	3.1
810	4.451	4.452	-0.334	0.0	3.5	942	4.399	4.399	-0.386	0.0	3.1
816	4.448	4.446	-0.337	0.0	3.5	948	4.396	4.398	-0.389	0.0	3.1
822	4.446	4.444	-0.339	0.0	3.5	954	4.394	4.396	-0.391	0.0	3.0
828	4.443	4.444	-0.342	0.0	3.5	960	4.391	4.388	-0.394	0.0	3.0
834	4.441	4.443	-0.344	0.0	3.5	966	4.390	4.391	-0.395	0.0	3.0
840	4.439	4.441	-0.346	0.0	3.4	972	4.387	4.386	-0.398	0.0	3.0
846	4.436	4.436	-0.349	0.0	3.4	978	4.385	4.388	-0.400	0.0	3.0
852	4.433	4.433	-0.352	0.0	3.4	984	4.383	4.382	-0.402	0.0	2.9
858	4.431	4.433	-0.354	0.0	3.4	990	4.380	4.382	-0.405	0.0	2.9
864	4.429	4.431	-0.356	0.0	3.3	996	4.379	4.380	-0.406	0.0	2.8
870	4.427	4.426	-0.358	0.0	3.3	1002	4.376	4.375	-0.409	0.0	2.7
876	4.424	4.422	-0.361	0.0	3.3	1008	4.374	4.377	-0.411	0.0	2.7
882	4.421	4.420	-0.364	0.0	3.3	1014	4.372	4.371	-0.413	0.0	2.6
888	4.419	4.420	-0.366	0.0	3.3	1020	4.370	4.379	-0.415	0.0	2.7
894	4.417	4.419	-0.368	0.0	3.3	1026	4.369	4.371	-0.416	0.0	2.5
900	4.415	4.417	-0.370	0.0	3.2	1032	4.367	4.366	-0.418	0.0	2.5
906	4.412	4.415	-0.373	0.0	3.2	1038	4.365	4.366	-0.420	0.0	2.4
912	4.410	4.412	-0.375	0.0	3.2	1044	4.363	4.365	-0.422	0.0	2.4
918	4.408	4.408	-0.377	0.0	3.1	1050	4.361	4.362	-0.424	0.0	2.3
924	4.405	4.404	-0.380	0.0	3.1	1056	4.360	4.360	-0.425	0.0	2.2
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360 minute 10 year Winter
Average Rainfall Intensity 7.110 mm/hr

Time (mins)	Upstream Level (m)	Downstream Level (m)	Surcharged Depth (m)	Total O/F (l/s)	Pipe Flow (l/s)	Time (mins)	Upstream Level (m)	Downstream Level (m)	Surcharged Depth (m)	Total O/F (l/s)	Pipe Flow (l/s)
1326	4.304	4.305	-0.481	0.0	0.6	1386	4.298	4.298	-0.487	0.0	0.4
1332	4.304	4.304	-0.481	0.0	0.6	1392	4.297	4.298	-0.488	0.0	0.4
1338	4.303	4.303	-0.482	0.0	0.5	1398	4.297	4.297	-0.488	0.0	0.3
1344	4.302	4.302	-0.483	0.0	0.5	1404	4.296	4.296	-0.489	0.0	0.3
1350	4.301	4.301	-0.484	0.0	0.5	1410	4.295	4.296	-0.490	0.0	0.3
1356	4.301	4.301	-0.484	0.0	0.5	1416	4.295	4.295	-0.490	0.0	0.3
1362	4.300	4.302	-0.485	0.0	0.5	1422	4.295	4.295	-0.490	0.0	0.3
1368	4.299	4.299	-0.486	0.0	0.4	1428	4.294	4.294	-0.491	0.0	0.3
1374	4.299	4.300	-0.486	0.0	0.4	1434	4.294	4.294	-0.491	0.0	0.3
1380	4.298	4.298	-0.487	0.0	0.4	1440	4.293	4.294	-0.492	0.0	0.3