

APPENDIX I

SEWER MODELING OUTPUT

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)								
MH-1	132.76	0.001	0.001	0	132.76	Full	No	0	7.187
MH13	164.25	0.007	0.007	0	164.25	Full	No	0	3.167
MH-11	161.68	0.001	0.001	0	155.499	Not Full	No	6.181	-0.814
MH-12	135.5	0.014	0.014	0	123.315	Not Full	No	12.185	-0.531
MH-13	127.9	0.014	0.014	0	124.656	Not Full	Yes	3.244	-0.491
MH-15	144.2	0.014	0.014	0	129.669	Not Full	No	14.531	-0.548
MH-16	141.98	0.007	0.007	0	137.067	Not Full	No	4.913	-0.746
MH-17	145.5	0.014	0.014	0	131.539	Not Full	Yes	13.961	-0.547
MH-18	159.5	0.014	0.014	0	150.132	Not Full	No	9.368	-0.604
MH-184	509.84	0.007	0.007	0	507.779	Not Full	No	2.061	-0.461
MH-19	170.4	0.014	0.014	0	158.704	Not Full	No	11.696	-0.612
MH-1A	104.35	0.014	0.014	0	93.696	Not Full	Yes	10.654	-0.804
MH-2	134.8	0.001	0.001	0	132.76	Not Full	Yes	2.04	5.467
MH-20	171.6	0.014	0.014	0	161.738	Not Full	No	9.862	-0.619
MH-202	451.39	0.007	0.007	0	448.956	Not Full	No	2.434	-0.6
MH-204	460.99	0.007	0.007	0	457.526	Not Full	No	3.464	-0.631
MH-205	467.28	0.007	0.007	0	465.471	Not Full	No	1.809	-0.626
MH-21	157	0.014	0.014	0	148.161	Not Full	No	8.839	-0.605
MH-22	179	0.014	0.014	0	171.031	Not Full	No	7.969	-0.636
MH-22A	143.7	0.014	0.014	0	131.286	Not Full	Yes	12.414	-0.56
MH-23	148.2	0.014	0.014	0	140.358	Not Full	No	7.843	-0.609
MH-24	151.1	0.014	0.014	0	144.477	Not Full	No	6.623	-0.62
MH-290	527.97	0.007	0.007	0	526.442	Not Full	No	1.528	-0.478
MH-2A	103.3	0.014	0.014	0	95.296	Not Full	No	8.004	-0.604
MH-3	138.3	0.001	0.001	0	132.76	Not Full	No	5.54	4.307
MH-36	115.7	0.014	0.014	0	107.878	Not Full	No	7.822	-0.745
MH-3A	103	0.014	0.014	0	97.024	Not Full	No	5.976	-0.209
MH-4	136.5	0.001	0.001	0	132.76	Not Full	No	3.74	2.637
MH-5	138	0.001	0.001	0	132.76	Not Full	Yes	5.24	0.967
MH-6	140.72	0.001	0.001	0	134.325	Not Full	No	6.395	-0.808
MH-7	155	0.001	0.001	0	150.27	Not Full	No	4.73	-0.813
MH-8	159.26	0.001	0.001	0	151.809	Not Full	No	7.451	-0.805
MH-9	161.87	0.001	0.001	0	153.806	Not Full	No	8.064	-0.808
MH-NE24-1A	848.15	0.007	0.007	0	841.159	Not Full	No	6.991	-0.618
MH-NE24-1B	871.26	0.007	0.007	0	864.257	Not Full	No	7.003	-0.629
MH-NE24-1C	871.89	0.007	0.007	0	864.918	Not Full	Yes	6.972	-0.598
MH-NE24-1D	850.34	0.007	0.007	0	840.649	Not Full	No	9.691	-0.608
MH-NE24-1E	857.31	0.007	0.007	0	850.844	Not Full	No	6.466	-0.602
MH-NE24-1F	871.37	0.007	0.007	0	858.978	Not Full	No	12.392	-0.609
MH-NE24-1H	888.02	0.007	0.007	0	879.833	Not Full	No	8.187	-0.624
MH-NE24-1I	889.82	0.007	0.007	0	880.961	Not Full	Yes	8.859	-0.596
MH-NE24-1J	901.32	0.007	0.007	0	894.354	Not Full	No	6.966	-0.633
MH-NE24-1K	919.21	0.007	0.007	0	911.434	Not Full	No	7.776	-0.643
MH-NE24-4A	989.39	0.007	0.007	0	983.933	Not Full	No	5.457	-0.623
MH-NE24-4B	945.75	0.007	0.007	0	939.023	Not Full	No	6.727	-0.614
MH-NE24-4C	931.48	0.007	0.007	0	926.323	Not Full	No	5.157	-0.624
MH-NE24-4D	877.82	0.007	0.007	0	872.23	Not Full	No	5.59	-0.627

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)								
MH-NE24-4E	773.82	0.007	0.007	0	769.686	Not Full	Yes	4.134	-0.5
MH-NE24-4G	903.32	0.007	0.007	0	895.503	Not Full	No	7.817	-0.643
MH-NE24-5A	1,069.17	0.007	0.007	0	1,063.22	Not Full	No	5.955	-0.622
MH-NE24-5B	1,068.35	0.007	0.007	0	1,060.83	Not Full	No	7.517	-0.633
MH-NE24-5C	1,067.40	0.007	0.007	0	1,061.71	Not Full	No	5.686	-0.603
MH-NE24-5D	1,027.11	0.007	0.007	0	1,018.63	Not Full	No	8.477	-0.624
MH-NE24-6C	817.93	0.006	0.006	0	811.1	Not Full	No	6.83	-0.646
MH-NE24-6D	803.58	0.006	0.006	0	798.205	Not Full	No	5.375	-0.641
MH-NE24-6E	783.52	0.006	0.006	0	775.791	Not Full	No	7.729	-0.635
MH-NE24-6F	758.41	0.006	0.006	0	749.35	Not Full	No	9.06	-0.627
MH-NE24-6G	758.34	0.006	0.006	0	752.785	Not Full	No	5.555	-0.642
MH-NE24-6H	766.89	0.006	0.006	0	758.918	Not Full	No	7.972	-0.638
MH-NE24-6I	740.44	0.006	0.006	0	732.061	Not Full	No	8.379	-0.645
MH-NE24-6J	730.28	0.006	0.006	0	725.073	Not Full	No	5.207	-0.624
MH-NE30-1B	427.4	0.007	0.007	0	421.345	Not Full	No	6.055	-0.609
MH-NE30-1D	407.93	0.007	0.007	0	399.067	Not Full	No	8.863	-0.546
MH-NE30-1F	385.92	0.007	0.007	0	382.164	Not Full	No	3.756	-0.399
MH-NE30-1G	388.71	0.007	0.007	0	382.953	Not Full	No	5.757	-0.644
MH-NE30-1H	394.24	0.007	0.007	0	387.714	Not Full	No	6.526	-0.633
MH-NE30-1I	464.17	0.007	0.007	0	459.224	Not Full	No	4.946	-0.513
MH-NE30-2B	461.42	0.007	0.007	0	454.413	Not Full	No	7.007	-0.624
MH-NE30-3A	386.42	0.007	0.007	0	381.481	Not Full	No	4.939	-0.653
MH-NE30-3B	360.52	0.007	0.007	0	353.994	Not Full	Yes	6.526	-0.459
MH-NE30-3C	357.95	0.007	0.007	0	352.719	Not Full	No	5.231	-0.664
MH-NE30-3D	351.31	0.007	0.007	0	344.946	Not Full	No	6.364	-0.697
MH-NE30-3E	316.12	0.007	0.007	0	312.741	Not Full	No	3.379	-0.712
MH-NE30-3F	384.15	0.007	0.007	0	377.347	Not Full	No	6.803	-0.537
MH-NE30-3G	373.52	0.007	0.007	0	368.579	Not Full	No	4.941	-0.408
MH-NE30-4A	482.17	0.007	0.007	0	472.944	Not Full	No	9.226	-0.476
MH-NE30-4B	450	0.007	0.007	0	444.522	Not Full	No	5.478	-0.644
MH-NE30-4C	435	0.007	0.007	0	431.539	Not Full	No	3.461	-0.628
MH-NE30-4D	386.86	0.007	0.007	0	379.988	Not Full	No	6.872	-0.619
MH-NE30-4E	341.32	0.007	0.007	0	333.724	Not Full	No	7.596	-0.613
MH-NE30-4F	456.94	0.007	0.007	0	452.448	Not Full	No	4.492	-0.608
MH-NE30-4G	458.48	0.007	0.007	0	450.32	Not Full	No	8.16	-0.627
MH-NE30-4H	342.14	0.007	0.007	0	336.741	Not Full	No	5.399	-0.416
MH-NE30-4I	310.76	0.007	0.007	0	301.761	Not Full	No	8.999	-0.366
MH-NW19-1A	755.38	0.007	0.007	0	749.764	Not Full	No	5.616	-0.502
MH-NW19-1B	750.45	0.007	0.007	0	745.037	Not Full	No	5.413	-0.5
MH-NW19-1C	745.78	0.007	0.007	0	740.519	Not Full	No	5.261	-0.528
MH-NW19-1D	741.16	0.007	0.007	0	731.665	Not Full	No	9.495	-0.511
MH-NW19-1E	764.37	0.007	0.007	0	758.764	Not Full	No	5.606	-0.642
MH-NW19-3A	774.66	0.007	0.007	0	768.608	Not Full	No	6.052	-0.599
MH-NW19-3B	750	0.007	0.007	0	743.356	Not Full	No	6.644	-0.57
MH-NW19-3C	746.89	0.007	0.007	0	738.112	Not Full	Yes	8.778	-0.495
MH-NW19-3D	745.57	0.007	0.007	0	737.237	Not Full	No	8.333	-0.579
MH-NW19-3E	731.37	0.007	0.007	0	722.722	Not Full	No	8.648	-0.564

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)								
MH-NW19-3F	719.38	0.007	0.007	0	710.056	Not Full	No	9.324	-0.471
MH-NW19-3G	756.97	0.007	0.007	0	750.937	Not Full	No	6.033	-0.64
MH-NW19-3I	754	0.007	0.007	0	748.631	Not Full	No	5.369	-0.635
MH-NW19-3J	747.88	0.007	0.007	0	742.561	Not Full	No	5.319	-0.636
MH-NW19-3K	733.37	0.007	0.007	0	725.635	Not Full	No	7.735	-0.601
MH-NW19-3L	730.78	0.007	0.007	0	722.425	Not Full	No	8.355	-0.502
MH-NW19-3M	716.66	0.007	0.007	0	711.821	Not Full	Yes	4.839	-0.405
MH-NW19-4C	716.17	0.007	0.007	0	707.951	Not Full	Yes	8.219	-0.345
MH-NW19-5A	732.22	0.006	0.006	0	727.151	Not Full	No	5.069	-0.636
MH-NW19-5B	729.36	0.006	0.006	0	724.05	Not Full	No	5.31	-0.626
MH-NW19-5C	726.64	0.006	0.006	0	717.415	Not Full	Yes	9.225	-0.561
MH-NW19-5D	726.64	0.006	0.006	0	716.377	Not Full	No	10.263	-0.6
MH-NW19-5E	712.17	0.006	0.006	0	703.04	Not Full	No	9.13	-0.597
MH-NW19-5F	708.28	0.006	0.006	0	697.745	Not Full	No	10.535	-0.592
MH-NW19-5G	709.66	0.007	0.007	0	701.819	Not Full	No	7.841	-0.627
MH-NW19-5H	732.17	0.007	0.007	0	721.711	Not Full	No	10.459	-0.626
MH-NW19-5I	726.8	0.007	0.007	0	718.341	Not Full	No	8.459	-0.626
MH-NW19-5K	710.41	0.006	0.006	0	701.736	Not Full	No	8.674	-0.641
MH-NW19-5L	701.85	0.007	0.007	0	690.679	Not Full	No	11.171	-0.517
MH-NW19-6A	714.22	0.007	0.007	0	705.99	Not Full	No	8.23	-0.376
MH-NW19-6B	716.98	0.007	0.007	0	704.571	Not Full	No	12.409	-0.376
MH-NW19-6C	707.59	0.007	0.007	0	700.53	Not Full	No	7.06	-0.467
MH-NW30-2B	433.9	0.007	0.007	0	428.464	Not Full	No	5.436	-0.669
MH-NW30-2C	415.15	0.007	0.007	0	410.047	Not Full	No	5.103	-0.636
MH-NW30-2D	397	0.007	0.007	0	392.252	Not Full	No	4.748	-0.602
MH-SE13-4A	814.23	0.007	0.007	0	804.86	Not Full	No	9.37	-0.47
MH-SE13-4C	805.79	0.007	0.007	0	801.703	Not Full	No	4.087	-0.644
MH-SE13-5A	810.69	0.007	0.007	0	803.527	Not Full	No	7.163	-0.619
MH-SE13-5B	805.88	0.007	0.007	0	801.588	Not Full	No	4.292	-0.629
MH-SE13-5C	825.08	0.007	0.007	0	819.55	Not Full	Yes	5.532	-0.499
MH-SE13-5D	825.85	0.007	0.007	0	820.43	Not Full	No	5.425	-0.551
MH-SE13-5E	830.02	0.007	0.007	0	821.44	Not Full	Yes	8.582	-0.549
MH-SE13-6C	773.87	0.007	0.007	0	760.78	Not Full	No	13.09	-0.527
MH-SE13-6D	783.75	0.007	0.007	0	771.473	Not Full	No	12.277	-0.533
MH-SE13-6E	787.12	0.007	0.007	0	780.717	Not Full	No	6.403	-0.559
MH-SE13-6F	789.90	0.007	0.007	0	783.52	Not Full	No	6.382	-0.509
MH-SE13-6G	793.50	0.007	0.007	0	787.23	Not Full	No	6.268	-0.525
MH-SE13-6H	814.38	0.007	0.007	0	808.74	Not Full	No	5.643	-0.58
MH-SE13-6I	824.11	0.007	0.007	0	819.10	Not Full	No	5.008	-0.574
MH-SE13-6J	782.79	0.007	0.007	0	778.913	Not Full	No	3.877	-0.634
MH-SE19-3B	569.27	0.007	0.007	0	564.277	Not Full	No	4.993	-0.639
MH-SE19-5B	557.07	0.007	0.007	0	550.021	Not Full	No	7.049	-0.616
MH-SE19-5C	541.34	0.007	0.007	0	533.368	Not Full	No	7.972	-0.598
MH-SE19-5D	556.2	0.007	0.007	0	547.755	Not Full	No	8.445	-0.482
MH-SE19-5E	540.97	0.007	0.007	0	534.05	Not Full	No	6.922	-0.489
MH-SE19-5F	525.54	0.007	0.007	0	515.48	Not Full	No	10.056	-0.523
MH-SE19-5H	560.40	0.007	0.007	0	553.85	Not Full	No	6.546	-0.632

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)								
MH-SE19-5I	544.40	0.007	0.007	0	537.12	Not Full	No	7.282	-0.609
MH-SE24-2A	721.36	0.006	0.006	0	714.864	Not Full	No	6.496	-0.643
MH-SE24-2C	702.33	0.006	0.006	0	696.953	Not Full	No	5.377	-0.624
MH-SE24-2D	700.68	0.006	0.006	0	692.889	Not Full	No	7.791	-0.618
MH-SE24-2E	694.06	0.006	0.006	0	687.628	Not Full	No	6.432	-0.629
MH-SE24-2F	698.72	0.006	0.006	0	693.642	Not Full	No	5.078	-0.644
MH-SE24-3B	751.88	0.006	0.006	0	744.149	Not Full	No	7.731	-0.648
MH-SE24-4A	691.47	0.006	0.006	0	685.304	Not Full	No	6.166	-0.632
MH-SE24-4B	684.03	0.006	0.006	0	678.205	Not Full	No	5.825	-0.632
MH-SE24-4C	634	0.006	0.006	0	627.638	Not Full	No	6.362	-0.608
MH-SE24-4D	622.85	0.006	0.006	0	615.516	Not Full	Yes	7.334	-0.58
MH-SE24-4E	622.04	0.006	0.006	0	614.284	Not Full	No	7.756	-0.582
MH-SE24-4F	658.34	0.006	0.006	0	652.175	Not Full	No	6.165	-0.622
MH-SE24-4H	673.12	0.006	0.006	0	668.793	Not Full	No	4.327	-0.644
MH-SE24-4I	572.7	0.007	0.007	0	566.854	Not Full	No	5.846	-0.593
MH-SE24-4J	693.68	0.007	0.007	0	688.202	Not Full	Yes	5.478	-0.605
MH-SE24-4K	693.68	0.007	0.007	0	687.553	Not Full	No	6.127	-0.644
MH-SE24-4M	704.23	0.007	0.007	0	696.959	Not Full	No	7.271	-0.638
MH-SE24-6A	570.29	0.007	0.007	0	565.38	Not Full	No	4.91	-0.597
MH-SE24-6B	567.42	0.007	0.007	0	563.478	Not Full	No	3.942	-0.439
MH-SE24-6C	565.6	0.007	0.007	0	561.003	Not Full	No	4.597	-0.444
MH-SE24-6E	557.86	0.007	0.007	0	553.724	Not Full	No	4.136	-0.452
MH-SE24-6F	557.92	0.007	0.007	0	551.446	Not Full	No	6.474	-0.51
MH-SW18-5A	759.98	0.007	0.007	0	752.386	Not Full	No	7.594	-0.46
MH-SW18-5C	760.34	0.007	0.007	0	756.098	Not Full	No	4.242	-0.462
MH-SW18-5E	778.33	0.007	0.007	0	768.378	Not Full	No	9.952	-0.619
MH-SW18-5F	767.8	0.007	0.007	0	755.692	Not Full	Yes	12.108	-0.455
MH-SW19-1A	720.38	0.006	0.006	0	712.656	Not Full	No	7.724	-0.611
MH-SW19-1B	714.85	0.006	0.006	0	706.617	Not Full	No	8.233	-0.599
MH-SW19-1C	706.69	0.006	0.006	0	698.195	Not Full	No	8.495	-0.582
MH-SW19-1D	703.01	0.006	0.006	0	693.502	Not Full	No	9.508	-0.595
MH-SW19-1E	701.95	0.006	0.006	0	689.541	Not Full	No	12.409	-0.595
MH-SW19-1G	704.33	0.006	0.006	0	697.06	Not Full	No	7.27	-0.637
MH-SW19-1H	700.15	0.006	0.006	0	691.889	Not Full	No	8.261	-0.627
MH-SW19-1I	695.37	0.006	0.006	0	686.159	Not Full	No	9.211	-0.577
MH-SW19-1J	685.89	0.006	0.006	0	678.067	Not Full	No	7.823	-0.589
MH-SW19-1J2	645.13	0.007	0.007	0	638.181	Not Full	No	6.949	-0.516
MH-SW19-1L	699.64	0.006	0.006	0	690.968	Not Full	No	8.672	-0.639
MH-SW19-1O	691.59	0.006	0.006	0	683.706	Not Full	No	7.884	-0.641
MH-SW19-1P	684.02	0.006	0.006	0	676.346	Not Full	No	7.674	-0.631
MH-SW19-1Q	670.24	0.006	0.006	0	665.346	Not Full	No	4.894	-0.621
MH-SW19-1R	631.96	0.006	0.006	0	618.005	Not Full	No	13.955	-0.522
MH-SW19-2A	695.9	0.007	0.007	0	691.384	Not Full	Yes	4.516	-0.503
MH-SW19-2B	693.9	0.007	0.007	0	690.183	Not Full	No	3.717	-0.603
MH-SW19-2D	660.58	0.007	0.007	0	656.051	Not Full	No	4.529	-0.575
MH-SW19-2F	651.59	0.007	0.007	0	646.919	Not Full	No	4.671	-0.588
MH-SW19-2H	632.35	0.007	0.007	0	625.987	Not Full	No	6.363	-0.589

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)								
MH-SW19-2I	626.74	0.007	0.007	0	620.017	Not Full	No	6.723	-0.509
MH-SW19-2J	624.68	0.007	0.007	0	617.354	Not Full	No	7.326	-0.563
MH-SW19-2K	634.07	0.007	0.007	0	626.253	Not Full	No	7.817	-0.503
MH-SW19-2L	634.07	0.007	0.007	0	627.086	Not Full	Yes	6.984	0.13
MH-SW19-3A	660.7	0.006	0.006	0	652.496	Not Full	No	8.204	-0.641
MH-SW19-3B	655.51	0.006	0.006	0	646.895	Not Full	No	8.615	-0.632
MH-SW19-3C	642.74	0.006	0.006	0	634.85	Not Full	No	7.89	-0.607
MH-SW19-3E	608.47	0.006	0.006	0	601.69	Not Full	No	6.78	-0.577
MH-SW19-3F	597.09	0.006	0.006	0	590.662	Not Full	No	6.428	-0.555
MH-SW19-3G	585.8	0.006	0.006	0	579.403	Not Full	No	6.397	-0.524
MH-SW19-3H2	617.03	0.006	0.006	0	608.835	Not Full	No	8.195	-0.561
MH-SW19-4B	610.89	0.007	0.007	0	601.489	Not Full	No	9.401	-0.437
MH-SW19-4C	608.74	0.007	0.007	0	598.489	Not Full	No	10.251	-0.517
MH-SW19-4D	603.19	0.007	0.007	0	593.096	Not Full	No	10.094	-0.411
MH-SW19-4E	601.64	0.007	0.007	0	591.692	Not Full	No	9.948	-0.415
MH-SW19-4F	596.71	0.007	0.007	0	587.581	Not Full	No	9.129	-0.346
MH-SW19-4G	593.9	0.007	0.007	0	586.113	Not Full	No	7.787	-0.634
MH-SW19-4H	576.33	0.006	0.006	0	565.409	Not Full	No	10.921	-0.588
MH-SW19-4I	601.83	0.006	0.006	0	596.825	Not Full	No	5.005	-0.592
MH-SW19-4J	593.9	0.007	0.007	0	584.331	Not Full	No	9.569	-0.486
MH-SW19-4K	589.58	0.007	0.007	0	580.806	Not Full	No	8.774	-0.621
MH-SW19-4L	611.51	0.007	0.007	0	603.507	Not Full	No	8.003	-0.519
MH-SW19-5A	585.74	0.007	0.007	0	580.742	Not Full	No	4.998	-0.645
MH-SW19-5AA	583.12	0.007	0.007	0	574.285	Not Full	No	8.835	-0.622
MH-SW19-5B	560.36	0.007	0.007	0	551.4	Not Full	No	8.96	-0.627
MH-SW19-5BA	571.92	0.007	0.007	0	563.339	Not Full	No	8.581	-0.617
MH-SW19-5C	549.29	0.007	0.007	0	541.905	Not Full	No	7.385	-0.622
MH-SW19-5D	537.61	0.007	0.007	0	529.111	Not Full	No	8.499	-0.616
MH-SW19-5E	543.73	0.007	0.007	0	538.837	Not Full	No	4.893	-0.439
MH-SW19-5F	538.45	0.007	0.007	0	533.195	Not Full	No	5.255	-0.492
MH-SW19-5G	523.95	0.007	0.007	0	517.977	Not Full	No	5.973	-0.46
MH-SW19-5H	508.63	0.007	0.007	0	503.511	Not Full	No	5.119	-0.455
MH-SW19-6A	539.56	0.007	0.007	0	534.098	Not Full	No	5.462	-0.629
MH-SW19-6B	522.22	0.007	0.007	0	515.171	Not Full	No	7.049	-0.596
MH-SW19-6BA	568.76	0.007	0.007	0	563.991	Not Full	No	4.769	-0.636
MH-SW19-6C	512.4	0.007	0.007	0	506.461	Not Full	No	5.939	-0.606
MH-SW19-6CA	569.1	0.007	0.007	0	564.287	Not Full	Yes	4.813	-0.58
MH-SW19-6E	593.1	0.003	0.003	0	587.816	Not Full	No	5.284	-0.651
MH-SW19-6EA	560	0.006	0.006	0	554.954	Not Full	No	5.046	-0.513
MH-SW19-6F	544.35	0.007	0.007	0	539.226	Not Full	No	5.124	-0.501
MH-SW19-6G	520.38	0.007	0.007	0	513.302	Not Full	No	7.078	-0.691
MH-SW19-6H	469.5	0.007	0.007	0	462.62	Not Full	No	6.88	-0.653
MH-SW19-6HA	499.71	0.007	0.007	0	481.207	Not Full	No	18.503	-0.637
MH-SW19-6I	481.44	0.007	0.007	0	472.312	Not Full	No	9.128	-0.591
MH-SW19-6J	475.69	0.007	0.007	0	470.85	Not Full	No	4.84	-0.673
MH-SW19-6M	494.35	0.007	0.007	0	488.419	Not Full	No	5.931	-0.664
MH-SW19-6N	540.12	0.007	0.007	0	536.612	Not Full	No	3.508	-0.642

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)								
MH-SW19-6Q	576.68	0.006	0.006	0	569.713	Not Full	No	6.967	-0.633
MH-SW19-6R	576.68	0.007	0.007	0	572.059	Not Full	No	4.621	-0.457
MH-SW191M	692.99	0.006	0.006	0	684.176	Not Full	No	8.814	-0.631
MH-SW191N	684.01	0.006	0.006	0	674.962	Not Full	No	9.048	-0.635
MH-SW24-4G	640.13	0.336	0.336	0	638.703	Not Full	No	1.427	-0.444
MH-SW24-4J	634.8	0.007	0.007	0	633.014	Not Full	No	1.786	-0.502
MH-SW24-4N	618.29	0.007	0.007	0	616.488	Not Full	No	1.802	-0.518
MH-SW24-4Q	599	0.007	0.007	0	597.411	Not Full	No	1.589	-0.505
MH-SW24-4T	586	0.007	0.007	0	584.433	Not Full	No	1.567	-0.484
MH-SW24-4V	579.71	0.007	0.007	0	575.941	Not Full	No	3.769	-0.486
MH-SW24-4W	577.44	0.007	0.007	0	572.637	Not Full	No	4.803	-0.47
MH10	161.83	0.001	0.001	0	154.653	Not Full	No	7.177	-0.81
MH1075	153.63	0.007	0.007	0	141.635	Not Full	No	11.995	-0.628
MH1076	156.28	0.007	0.007	0	151.639	Not Full	No	4.641	-0.674
MH11	122.3	0.014	0.014	0	113.232	Not Full	No	9.068	-0.485
MH12	163.01	0.001	0.001	0	158.023	Not Full	No	4.987	-0.82
MH	314.66	0.007	0.007	0	290.491	Not Full	No	24.169	-0.435
MH14	156.33	0.029	0.029	0	150.367	Not Full	No	5.963	-0.766
MH15	146.2	0.007	0.007	0	141.291	Not Full	No	4.909	-0.762
MH16	151.3	0.014	0.014	0	143.068	Not Full	No	8.232	-0.599
MH17	138.83	0.007	0.007	0	134.431	Not Full	No	4.399	-0.752
MH18	134.92	0.007	0.007	0	130.964	Not Full	No	3.956	-0.759
MH19	131.09	0.007	0.007	0	123.201	Not Full	No	7.889	-0.552
MH20	125.98	0.014	0.014	0	119.897	Not Full	Yes	6.083	-0.366
MH21	123.43	0.014	0.014	0	118.652	Not Full	No	4.778	-0.511
MH22	118.66	0.014	0.014	0	113.857	Not Full	No	4.803	-0.437
MH23	115.77	0.014	0.014	0	112.354	Not Full	Yes	3.416	-0.399
MH24	116.24	0.014	0.014	0	110.529	Not Full	No	5.711	-0.761
MH25	126.5	0.014	0.014	0	118.286	Not Full	Yes	8.214	-0.56
MH26	130.6	0.014	0.014	0	123.125	Not Full	No	7.475	-0.611
MH27	133.2	0.014	0.014	0	127.097	Not Full	No	6.103	-0.619
MH28	119.43	0.014	0.014	0	112.943	Not Full	No	6.487	-0.583
MH29	120.36	0.014	0.014	0	114.089	Not Full	No	6.271	-0.577
MH30	126.67	0.014	0.014	0	114.839	Not Full	No	11.831	-0.441
MH31	103.7	0.014	0.014	0	94.526	Not Full	Yes	9.174	-0.591
MH32	112.5	0.014	0.014	0	99.726	Not Full	No	12.774	-0.62
MH33	102.5	0.014	0.014	0	96.246	Not Full	Yes	6.254	-0.688
MH34	107.4	0.014	0.014	0	100.274	Not Full	No	7.126	-0.739
MH35	112.6	0.014	0.014	0	105.849	Not Full	No	6.751	-0.754
MH36	106.7	0.014	0.014	0	105.446	Not Full	No	1.254	3.162
MH37	115.7	0.014	0.014	0	108.945	Not Full	No	6.755	-0.759
MH38	115.4	0.014	0.014	0	110.116	Not Full	No	5.284	-0.777
MH39	116.7	0.014	0.014	0	109.827	Not Full	No	6.873	-0.609
MH4	109.1	0.014	0.014	0	103.357	Not Full	Yes	5.743	3.114
MH40	120	0.014	0.014	0	112.77	Not Full	No	7.23	-0.627
MH42	118.5	0.014	0.014	0	106.978	Not Full	No	11.522	-0.489
MH43	135.9	0.014	0.014	0	127.251	Not Full	No	8.649	-0.576

ID	Rim Elevation (ft)	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
MH44	161.5	0.014	0.014	0	147.122	Not Full	No	14.378	-0.614
MH45	126.7	0.014	0.014	0	119.516	Not Full	No	7.184	-0.61
MH46	132.2	0.014	0.014	0	121.681	Not Full	No	10.519	-0.615
MH47	140	0.014	0.014	0	129.093	Not Full	Yes	10.907	-0.574
MH48	151	0.014	0.014	0	140.061	Not Full	No	10.939	-0.626
MH49	146.8	0.014	0.014	0	134.071	Not Full	No	12.729	-0.596
MH5	110.55	0.014	0.014	0	103.357	Not Full	No	7.193	-0.693
MH50	164.18	0.014	0.014	0	151.048	Not Full	No	13.132	-0.619
MH51	168.7	0.014	0.014	0	160.981	Not Full	No	7.719	-0.626
MH52	162.85	0.014	0.014	0	147.618	Not Full	Yes	15.232	-0.548
MH53	173	0.014	0.014	0	165.234	Not Full	No	7.766	-0.633
MH54	198.91	0.014	0.014	0	193.129	Not Full	No	5.781	-0.397
MH55	121.7	0.014	0.014	0	110.336	Not Full	No	11.364	-0.56
MH56	129.1	0.014	0.014	0	111.293	Not Full	Yes	17.807	-0.533
MH57	137.6	0.014	0.014	0	127.627	Not Full	No	9.973	-0.609
MH58	156	0.014	0.014	0	141.223	Not Full	No	14.777	-0.614
MH59	151.7	0.014	0.014	0	142.835	Not Full	No	8.865	-0.601
MH6	107.1	0.014	0.014	0	104.397	Not Full	No	2.703	3.044
MH60	159.4	0.014	0.014	0	154.765	Not Full	No	4.635	-0.402
MH61	134.8	0.014	0.014	0	129.827	Not Full	No	4.973	-0.34
MH62	116.22	0.014	0.014	0	110.377	Not Full	No	5.843	-0.29
MH63	109	0.014	0.014	0	103.399	Not Full	No	5.601	1.365
MH64	102.4	0.014	0.014	0	98.006	Not Full	No	4.394	-0.61
MH65	111	0.014	0.014	0	108.025	Not Full	Yes	2.975	2.018
MH66	114.75	0.014	0.014	0	107.559	Not Full	Yes	7.191	2.802
MH67	110.37	0.014	0.014	0	107.936	Not Full	No	2.434	-0.734
MH68	221.77	0.014	0.014	0	211.011	Not Full	No	10.759	-0.376
MH69	234.91	0.014	0.014	0	227.89	Not Full	No	7.02	-0.387
MH7	107.5	0.014	0.014	0	106.373	Not Full	No	1.127	3.15
MH70	257.1	0.014	0.014	0	251.709	Not Full	No	5.391	-0.407
MH71	278.14	0.014	0.014	0	273.661	Not Full	No	4.479	-0.395
MH73	110.76	0.014	0.014	0	97.726	Not Full	No	13.034	-1.084
MH74	108.38	0.014	0.014	0	96.52	Not Full	No	11.86	-1.16
MH75	97.1	0.014	0.014	0	93.381	Not Full	Yes	3.719	-0.769
MH76	95	0.014	0.014	0	92.423	Not Full	No	2.577	-1.207
MH8	107.5	0.014	0.014	0	107.287	Not Full	Yes	0.213	3.084
MH9	115.92	0.014	0.014	0	109.453	Not Full	No	6.467	-0.613
MHSW24-4R	590.81	0.007	0.007	0	589.452	Not Full	No	1.358	-0.475
MH_W-1	116.28	0.014	0.014	0	110.228	Not Full	No	6.052	-0.519
SURVEYED	435.43	0.007	0.007	0	429.461	Not Full	No	5.969	-0.586

ID	From ID	To ID	Diameter		Slope	Total Flow (cfs)	Unpeakable Flow (cfs)	Peakable Flow (cfs)	Coverage Flow (cfs)	Infiltration Flow (cfs)	Storm Flow (cfs)	Flow Type	Velocity			Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Coverage Count	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
			(in)	Length (ft)									(ft/s)	d/D	q/Q								
363	MH-NE24-6H	MH-NE24-6G	8	289.15	0.021	0.006	0.006	0	0	0	0	Free Surface	1.162	0.043	0.003	0.028	0.035	1.48	1.75	0	No	0.028	1.162
44	MH-2	MH-1	10	172.04	0.009	0.007	0.007	0	0	0	0	Pressurized	0.872	0.042	0.003	0.035	0.035	0.998	2.065	0	Yes	0.833	0.013
156	MH-SW19-1L	MH-SW191M	8	282.52	0.024	0.006	0.006	0	0	0	0	Free Surface	1.215	0.041	0.003	0.028	0.035	1.571	1.866	0	No	0.028	1.215
164	MH-SE19-3B	MH-SE19-5H	8	280.616	0.037	0.007	0.007	0	0	0	0	Free Surface	1.507	0.041	0.003	0.027	0.038	1.955	2.325	0	No	0.027	1.507
99	MH-NW19-3G	MH-NW19-3B	8	195.199	0.039	0.007	0.007	0	0	0	0	Free Surface	1.533	0.041	0.003	0.027	0.038	2	2.383	0	No	0.027	1.533
130	MH-SW19-3A	MH-SW19-3B	8	180.166	0.031	0.006	0.006	0	0	0	0	Free Surface	1.327	0.039	0.003	0.026	0.035	1.768	2.119	0	No	0.026	1.327
42	MH-3	MH-2	10	92.66	0.01	0.006	0.006	0	0	0	0	Pressurized	0.895	0.039	0.003	0.032	0.034	1.068	2.236	0	Yes	0.833	0.012
125	MH-SW19-1O	MH-SW19-1P	8	229.53	0.032	0.006	0.006	0	0	0	0	Free Surface	1.343	0.039	0.003	0.026	0.035	1.797	2.156	0	No	0.026	1.343
90	MH-NW19-5K	MH-NW19-1D	8	249.456	0.033	0.006	0.006	0	0	0	0	Free Surface	1.36	0.038	0.003	0.026	0.035	1.826	2.194	0	No	0.026	1.36
572	MH-NE24-6D	MH-NE24-6E	8	166.051	0.134	0.012	0.012	0	0	0	0	Free Surface	2.743	0.038	0.003	0.025	0.049	3.695	4.442	0	No	0.025	2.743
364	MH-NE24-6G	MH-NW19-5C	8	227.423	0.155	0.012	0.012	0	0	0	0	Free Surface	2.884	0.037	0.003	0.025	0.049	3.952	4.777	0	No	0.025	2.884
187	MH-SW19-6N	MH-NE30-1I	8	1,311.53	0.059	0.007	0.007	0	0	0	0	Free Surface	1.775	0.037	0.003	0.025	0.038	2.435	2.944	0	Yes	0.039	0.892
86	MH-NW19-1E	MH-NW19-1D	8	394.504	0.062	0.007	0.007	0	0	0	0	Free Surface	1.807	0.036	0.002	0.024	0.038	2.493	3.019	0	No	0.024	1.807
370	MH-SE24-2A	MH-SE24-2C	8	400.305	0.045	0.006	0.006	0	0	0	0	Free Surface	1.512	0.036	0.002	0.024	0.035	2.106	2.557	0	No	0.024	1.512
232	MH-NE24-1K	MH-NE24-1J	8	247.909	0.069	0.007	0.007	0	0	0	0	Free Surface	1.875	0.036	0.002	0.024	0.038	2.619	3.184	0	Yes	0.044	0.752
224	MH-NE24-4G	MH-NE24-1C	8	403.256	0.076	0.007	0.007	0	0	0	0	Free Surface	1.935	0.035	0.002	0.023	0.038	2.732	3.332	0	No	0.023	1.935
408	MH-SE24-4H	MH-SE24-4F	8	324.115	0.051	0.006	0.006	0	0	0	0	Free Surface	1.585	0.035	0.002	0.023	0.035	2.243	2.737	0	No	0.023	1.585
566	MH-8	MH-7	10	306.09	0.004	0.003	0.003	0	0	0	0	Free Surface	0.536	0.035	0.002	0.029	0.024	0.679	1.448	0	No	0.029	0.536
109	MH-NE30-1G	MH-NE30-3C	8	388.631	0.078	0.007	0.007	0	0	0	0	Free Surface	1.953	0.035	0.002	0.023	0.038	2.77	3.382	0	Yes	0.046	0.693
361	MH-SE13-4C	MH-SE13-6J	8	288.088	0.079	0.007	0.007	0	0	0	0	Free Surface	1.962	0.034	0.002	0.023	0.038	2.785	3.401	0	No	0.023	1.962
289	MH-SE24-4K	MH-SE24-4I	8	158.136	0.763	0.022	0.022	0	0	0	0	Free Surface	6.033	0.034	0.002	0.023	0.067	8.641	10.583	0	No	0.023	6.033
282	MH-SE24-2F	MH-SE24-4B	8	267.793	0.058	0.006	0.006	0	0	0	0	Free Surface	1.66	0.034	0.002	0.022	0.035	2.384	2.923	0	Yes	0.099	0.187
114	MH-NE30-4B	MH-NE30-4C	8	34.751	0.36	0.015	0.015	0	0	0	0	Free Surface	4.109	0.033	0.002	0.022	0.054	5.922	7.267	0	No	0.022	4.109
139	MH-SW19-5A	MH-SW19-5B	8	308.913	0.095	0.007	0.007	0	0	0	0	Free Surface	2.09	0.033	0.002	0.022	0.038	3.032	3.729	0	No	0.022	2.09
368	MH-NE24-6I	MH-NW19-5B	8	113.814	0.07	0.006	0.006	0	0	0	0	Free Surface	1.766	0.032	0.002	0.021	0.035	2.592	3.198	0	No	0.021	1.766
570	MH-1	WW-SR14	10	172.04	0.035	0.008	0.008	0	0	0	0	Pressurized	1.446	0.032	0.002	0.027	0.037	1.907	4.116	0	Yes	0.833	0.014
51	MH-9	MH-8	10	400.61	0.004	0.003	0.003	0	0	0	0	Free Surface	0.506	0.031	0.002	0.026	0.021	0.679	1.473	0	No	0.026	0.506
19	MH-NE24-6C	MH-NE24-6D	8	143.734	0.089	0.006	0.006	0	0	0	0	Free Surface	1.924	0.03	0.002	0.02	0.035	2.905	3.616	0	No	0.02	1.924
568	MH-6	MH-5	10	200	0.016	0.004	0.004	0	0	0	0	Free Surface	0.927	0.03	0.002	0.025	0.028	1.263	2.753	0	Yes	0.813	0.008
296	MH-SE24-3B	MH-SE24-4A	8	514.47	0.114	0.006	0.006	0	0	0	0	Free Surface	2.097	0.029	0.001	0.019	0.035	3.26	4.095	0	No	0.019	2.097
50	MH10	MH-9	10	169.79	0.004	0.002	0.002	0	0	0	0	Free Surface	0.438	0.028	0.001	0.023	0.018	0.617	1.359	0	No	0.023	0.438
567	MH-7	MH-6	10	554.13	0.028	0.004	0.004	0	0	0	0	Free Surface	1.087	0.024	0.001	0.02	0.026	1.645	3.704	0	No	0.02	1.087
146	MH-SW19-6E	MH-SW19-6CA	8	380.415	0.062	0.003	0.003	0	0	0	0	Free Surface	1.37	0.024	0.001	0.016	0.024	2.332	3.011	0	No	0.016	1.37
49	MH-11	MH10	10	169.79	0.004	0.001	0.001	0	0	0	0	Free Surface	0.387	0.023	0.001	0.019	0.015	0.599	1.359	0	No	0.019	0.387
48	MH12	MH-11	10	465.06	0.005	0.001	0.001	0	0	0	0	Free Surface	0.344	0.016	0	0.013	0.011	0.645	1.555	0	No	0.013	0.344
456	MH4	MH5	10	162.028	0.003	0	0	0	0	0	0	Pressurized	0	0	0	0	0	0	1.145	0	Yes	0.833	0

ID	Rim Elevation (ft)	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
MH8	107.5	0.014	0.014	0	107.5	Full	Yes	0	3.297
MH-1	132.76	0.005	0.005	0	132.76	Full	No	0	7.187
MH13	164.25	0.007	0.007	0	164.25	Full	No	0	3.167
MH-12	135.5	0.014	0.014	0	123.318	Not Full	No	12.182	-0.529
MH-13	127.9	0.014	0.014	0	124.659	Not Full	Yes	3.241	-0.487
MH-15	144.2	0.014	0.014	0	129.671	Not Full	No	14.529	-0.546
MH-16	141.98	0.007	0.007	0	137.127	Not Full	No	4.853	-0.686
MH-17	145.5	0.014	0.014	0	131.542	Not Full	Yes	13.958	-0.545
MH-18	159.5	0.014	0.014	0	150.134	Not Full	No	9.366	-0.603
MH-184	509.84	0.007	0.007	0	507.779	Not Full	No	2.061	-0.461
MH-19	170.4	0.014	0.014	0	158.705	Not Full	No	11.695	-0.611
MH-1A	104.35	0.014	0.014	0	93.708	Not Full	Yes	10.642	-0.792
MH-2	134.8	0.005	0.005	0	132.764	Not Full	No	2.036	5.47
MH-20	171.6	0.014	0.014	0	161.739	Not Full	No	9.861	-0.618
MH-202	451.39	0.007	0.007	0	448.955	Not Full	No	2.435	-0.602
MH-204	460.99	0.007	0.007	0	457.525	Not Full	No	3.465	-0.631
MH-205	467.28	0.007	0.007	0	465.47	Not Full	No	1.81	-0.626
MH-21	157	0.014	0.014	0	148.163	Not Full	No	8.837	-0.604
MH-22	179	0.014	0.014	0	171.032	Not Full	No	7.968	-0.635
MH-22A	143.7	0.014	0.014	0	131.288	Not Full	Yes	12.412	-0.558
MH-23	148.2	0.014	0.014	0	140.359	Not Full	No	7.841	-0.608
MH-24	151.1	0.014	0.014	0	144.478	Not Full	No	6.622	-0.619
MH-290	527.97	0.007	0.007	0	526.442	Not Full	No	1.528	-0.478
MH-2A	103.3	0.014	0.014	0	95.302	Not Full	No	7.998	-0.598
MH-3	138.3	0.005	0.005	0	132.765	Not Full	No	5.535	4.312
MH-36	115.7	0.014	0.014	0	107.88	Not Full	No	7.82	-0.743
MH-3A	103	0.014	0.014	0	97.04	Not Full	No	5.96	-0.193
MH-4	136.5	0.005	0.005	0	132.771	Not Full	No	3.729	2.647
MH-5	138	0.005	0.005	0	132.776	Not Full	Yes	5.224	0.982
MH-6	140.72	0.005	0.005	0	134.396	Not Full	No	6.324	-0.737
MH-7	155	0.005	0.005	0	150.331	Not Full	No	4.669	-0.753
MH-8	159.26	0.045	0.045	0	151.902	Not Full	No	7.358	-0.711
MH-9	161.87	0.005	0.005	0	153.851	Not Full	No	8.019	-0.762
MH-NE24-1A	848.15	0.008	0.008	0	841.159	Not Full	No	6.991	-0.617
MH-NE24-1B	871.26	0.008	0.008	0	864.258	Not Full	No	7.002	-0.629
MH-NE24-1C	871.89	0.008	0.008	0	864.919	Not Full	Yes	6.971	-0.597
MH-NE24-1D	850.34	0.008	0.008	0	840.65	Not Full	No	9.69	-0.607
MH-NE24-1E	857.31	0.008	0.008	0	850.845	Not Full	No	6.465	-0.601
MH-NE24-1F	871.37	0.008	0.008	0	858.979	Not Full	No	12.391	-0.608
MH-NE24-1H	888.02	0.008	0.008	0	879.834	Not Full	No	8.186	-0.623
MH-NE24-1I	889.82	0.008	0.008	0	880.962	Not Full	Yes	8.858	-0.595
MH-NE24-1J	901.32	0.008	0.008	0	894.354	Not Full	No	6.966	-0.632
MH-NE24-1K	919.21	0.008	0.008	0	911.434	Not Full	No	7.776	-0.643
MH-NE24-4A	989.39	0.008	0.008	0	983.934	Not Full	No	5.456	-0.623
MH-NE24-4B	945.75	0.008	0.008	0	939.024	Not Full	No	6.726	-0.613
MH-NE24-4C	931.48	0.008	0.008	0	926.324	Not Full	No	5.156	-0.623

ID	Rim Elevation (ft)	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
MH-NE24-4D	877.82	0.008	0.008	0	872.23	Not Full	No	5.59	-0.626
MH-NE24-4E	773.82	0.008	0.008	0	769.689	Not Full	Yes	4.131	-0.497
MH-NE24-4G	903.32	0.008	0.008	0	895.504	Not Full	No	7.816	-0.643
MH-NE24-5A	1,069.17	0.008	0.008	0	1,063.22	Not Full	No	5.954	-0.621
MH-NE24-5B	1,068.35	0.008	0.008	0	1,060.83	Not Full	No	7.516	-0.633
MH-NE24-5C	1,067.40	0.008	0.008	0	1,061.72	Not Full	No	5.685	-0.602
MH-NE24-5D	1,027.11	0.008	0.008	0	1,018.63	Not Full	No	8.476	-0.623
MH-NE24-6C	817.93	0.006	0.006	0	811.10	Not Full	No	6.83	-0.646
MH-NE24-6D	803.58	0.006	0.006	0	798.21	Not Full	No	5.374	-0.641
MH-NE24-6E	783.52	0.006	0.006	0	775.79	Not Full	No	7.729	-0.635
MH-NE24-6F	758.41	0.006	0.006	0	749.35	Not Full	No	9.06	-0.627
MH-NE24-6G	758.34	0.006	0.006	0	752.785	Not Full	No	5.555	-0.642
MH-NE24-6H	766.89	0.006	0.006	0	758.919	Not Full	No	7.971	-0.638
MH-NE24-6I	740.44	0.006	0.006	0	732.06	Not Full	No	8.378	-0.645
MH-NE24-6J	730.28	0.006	0.006	0	725.07	Not Full	No	5.207	-0.623
MH-NE30-1B	427.40	0.008	0.008	0	421.35	Not Full	No	6.053	-0.606
MH-NE30-1D	407.93	0.008	0.008	0	399.07	Not Full	No	8.859	-0.542
MH-NE30-1F	385.92	0.008	0.008	0	382.171	Not Full	No	3.749	-0.392
MH-NE30-1G	388.71	0.007	0.007	0	382.952	Not Full	No	5.758	-0.644
MH-NE30-1H	394.24	0.007	0.007	0	387.713	Not Full	No	6.527	-0.633
MH-NE30-1I	464.17	0.008	0.008	0	459.226	Not Full	No	4.944	-0.511
MH-NE30-2B	461.42	0.008	0.008	0	454.414	Not Full	No	7.006	-0.623
MH-NE30-3A	386.42	0.007	0.007	0	381.48	Not Full	No	4.94	-0.653
MH-NE30-3B	360.52	0.007	0.007	0	353.99	Not Full	Yes	6.526	-0.46
MH-NE30-3C	357.95	0.007	0.007	0	352.72	Not Full	No	5.231	-0.664
MH-NE30-3D	351.31	0.007	0.007	0	344.95	Not Full	No	6.364	-0.697
MH-NE30-3E	316.12	0.007	0.007	0	312.741	Not Full	No	3.379	-0.713
MH-NE30-3F	384.15	0.008	0.008	0	377.35	Not Full	No	6.8	-0.533
MH-NE30-3G	373.52	0.008	0.008	0	368.582	Not Full	No	4.938	-0.404
MH-NE30-4A	482.17	0.008	0.008	0	472.944	Not Full	No	9.226	-0.476
MH-NE30-4B	450	0.008	0.008	0	444.523	Not Full	No	5.477	-0.644
MH-NE30-4C	435	0.008	0.008	0	431.539	Not Full	No	3.461	-0.627
MH-NE30-4D	386.86	0.008	0.008	0	379.989	Not Full	No	6.871	-0.618
MH-NE30-4E	341.32	0.008	0.008	0	333.725	Not Full	No	7.595	-0.612
MH-NE30-4F	456.94	0.008	0.008	0	452.449	Not Full	No	4.491	-0.607
MH-NE30-4G	458.48	0.008	0.008	0	450.32	Not Full	No	8.16	-0.626
MH-NE30-4H	342.14	0.008	0.008	0	336.744	Not Full	No	5.396	-0.412
MH-NE30-4I	310.76	0.008	0.008	0	301.765	Not Full	No	8.995	-0.362
MH-NW19-1A	755.38	0.008	0.008	0	749.767	Not Full	No	5.613	-0.499
MH-NW19-1B	750.45	0.008	0.008	0	745.04	Not Full	No	5.41	-0.497
MH-NW19-1C	745.78	0.008	0.008	0	740.521	Not Full	No	5.259	-0.526
MH-NW19-1D	741.16	0.008	0.008	0	731.668	Not Full	No	9.492	-0.509
MH-NW19-1E	764.37	0.008	0.008	0	758.765	Not Full	No	5.605	-0.642
MH-NW19-3A	774.66	0.008	0.008	0	768.609	Not Full	No	6.051	-0.598
MH-NW19-3B	750	0.008	0.008	0	743.358	Not Full	No	6.642	-0.569
MH-NW19-3C	746.89	0.008	0.008	0	738.115	Not Full	Yes	8.775	-0.492

ID	Rim Elevation (ft)	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
MH-NW19-3D	745.57	0.008	0.008	0	737.239	Not Full	No	8.331	-0.578
MH-NW19-3E	731.37	0.008	0.008	0	722.724	Not Full	No	8.646	-0.563
MH-NW19-3F	719.38	0.008	0.008	0	710.06	Not Full	No	9.32	-0.467
MH-NW19-3G	756.97	0.008	0.008	0	750.938	Not Full	No	6.032	-0.639
MH-NW19-3I	754	0.008	0.008	0	748.632	Not Full	No	5.368	-0.635
MH-NW19-3J	747.88	0.008	0.008	0	742.562	Not Full	No	5.318	-0.635
MH-NW19-3K	733.37	0.008	0.008	0	725.636	Not Full	No	7.734	-0.6
MH-NW19-3L	730.78	0.008	0.008	0	722.428	Not Full	No	8.352	-0.499
MH-NW19-3M	716.66	0.008	0.008	0	711.826	Not Full	Yes	4.834	-0.4
MH-NW19-4C	716.17	0.008	0.008	0	707.958	Not Full	Yes	8.212	-0.339
MH-NW19-5A	732.22	0.006	0.006	0	727.151	Not Full	No	5.069	-0.636
MH-NW19-5B	729.36	0.006	0.006	0	724.05	Not Full	No	5.31	-0.626
MH-NW19-5C	726.64	0.006	0.006	0	717.415	Not Full	Yes	9.225	-0.561
MH-NW19-5D	726.64	0.006	0.006	0	716.377	Not Full	No	10.263	-0.6
MH-NW19-5E	712.17	0.006	0.006	0	703.04	Not Full	No	9.13	-0.597
MH-NW19-5F	708.28	0.006	0.006	0	697.745	Not Full	No	10.535	-0.592
MH-NW19-5G	709.66	0.008	0.008	0	701.82	Not Full	No	7.84	-0.627
MH-NW19-5H	732.17	0.008	0.008	0	721.711	Not Full	No	10.459	-0.625
MH-NW19-5I	726.8	0.008	0.008	0	718.342	Not Full	No	8.458	-0.625
MH-NW19-5K	710.41	0.006	0.006	0	701.736	Not Full	No	8.674	-0.641
MH-NW19-5L	701.85	0.008	0.008	0	690.681	Not Full	No	11.169	-0.515
MH-NW19-6A	714.22	0.008	0.008	0	705.996	Not Full	No	8.224	-0.371
MH-NW19-6B	716.98	0.008	0.008	0	704.577	Not Full	No	12.403	-0.37
MH-NW19-6C	707.59	0.008	0.008	0	700.533	Not Full	No	7.057	-0.463
MH-NW30-2B	433.9	0.007	0.007	0	428.464	Not Full	No	5.436	-0.669
MH-NW30-2C	415.15	0.007	0.007	0	410.047	Not Full	No	5.103	-0.636
MH-NW30-2D	397	0.007	0.007	0	392.252	Not Full	No	4.748	-0.602
MH-SE13-4A	814.23	0.008	0.008	0	804.861	Not Full	No	9.369	-0.469
MH-SE13-4C	805.79	0.008	0.008	0	801.703	Not Full	No	4.087	-0.643
MH-SE13-5A	810.69	0.008	0.008	0	803.528	Not Full	No	7.162	-0.619
MH-SE13-5B	805.88	0.008	0.008	0	801.589	Not Full	No	4.291	-0.628
MH-SE13-5C	825.08	0.008	0.008	0	819.551	Not Full	Yes	5.529	-0.496
MH-SE13-5D	825.85	0.008	0.008	0	820.427	Not Full	No	5.423	-0.55
MH-SE13-5E	830.02	0.008	0.008	0	821.44	Not Full	Yes	8.58	-0.547
MH-SE13-6C	773.87	0.008	0.008	0	760.782	Not Full	No	13.088	-0.524
MH-SE13-6D	783.75	0.008	0.008	0	771.476	Not Full	No	12.274	-0.531
MH-SE13-6E	787.12	0.008	0.008	0	780.719	Not Full	No	6.401	-0.557
MH-SE13-6F	789.9	0.008	0.008	0	783.521	Not Full	No	6.379	-0.506
MH-SE13-6G	793.5	0.008	0.008	0	787.234	Not Full	No	6.266	-0.522
MH-SE13-6H	814.38	0.008	0.008	0	808.738	Not Full	No	5.642	-0.578
MH-SE13-6I	824.11	0.008	0.008	0	819.104	Not Full	No	5.006	-0.573
MH-SE13-6J	782.79	0.008	0.008	0	778.913	Not Full	No	3.877	-0.633
MH-SE19-3B	569.27	0.008	0.008	0	564.278	Not Full	No	4.992	-0.639
MH-SE19-5B	557.07	0.008	0.008	0	550.022	Not Full	No	7.048	-0.615
MH-SE19-5C	541.34	0.008	0.008	0	533.369	Not Full	No	7.971	-0.597
MH-SE19-5D	556.2	0.008	0.008	0	547.758	Not Full	No	8.442	-0.479

ID	Rim Elevation (ft)	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
MH-SE19-5E	540.97	0.008	0.008	0	534.05	Not Full	No	6.92	-0.486
MH-SE19-5F	525.54	0.008	0.008	0	515.486	Not Full	No	10.054	-0.521
MH-SE19-5H	560.4	0.008	0.008	0	553.855	Not Full	No	6.545	-0.632
MH-SE19-5I	544.4	0.008	0.008	0	537.119	Not Full	No	7.281	-0.608
MH-SE24-2A	721.36	0.006	0.006	0	714.864	Not Full	No	6.496	-0.643
MH-SE24-2C	702.33	0.006	0.006	0	696.953	Not Full	No	5.377	-0.623
MH-SE24-2D	700.68	0.006	0.006	0	692.889	Not Full	No	7.791	-0.617
MH-SE24-2E	694.06	0.006	0.006	0	687.628	Not Full	No	6.432	-0.629
MH-SE24-2F	698.72	0.006	0.006	0	693.642	Not Full	No	5.078	-0.644
MH-SE24-3B	751.88	0.006	0.006	0	744.149	Not Full	No	7.731	-0.647
MH-SE24-4A	691.47	0.006	0.006	0	685.304	Not Full	No	6.166	-0.632
MH-SE24-4B	684.03	0.006	0.006	0	678.205	Not Full	No	5.825	-0.632
MH-SE24-4C	634	0.006	0.006	0	627.639	Not Full	No	6.361	-0.608
MH-SE24-4D	622.85	0.006	0.006	0	615.517	Not Full	Yes	7.333	-0.58
MH-SE24-4E	622.04	0.006	0.006	0	614.284	Not Full	No	7.756	-0.582
MH-SE24-4F	658.34	0.006	0.006	0	652.175	Not Full	No	6.165	-0.622
MH-SE24-4H	673.12	0.006	0.006	0	668.793	Not Full	No	4.327	-0.644
MH-SE24-4I	572.7	0.007	0.007	0	566.852	Not Full	No	5.848	-0.594
MH-SE24-4J	693.68	0.007	0.007	0	688.2	Not Full	Yes	5.48	-0.606
MH-SE24-4K	693.68	0.007	0.007	0	687.552	Not Full	No	6.128	-0.645
MH-SE24-4M	704.23	0.007	0.007	0	696.958	Not Full	No	7.272	-0.639
MH-SE24-6A	570.29	0.007	0.007	0	565.378	Not Full	No	4.912	-0.598
MH-11	161.68	0.005	0.005	0	155.533	Not Full	No	6.147	-0.78
MH-SE24-6C	565.6	0.007	0.007	0	561.005	Not Full	No	4.595	-0.442
MH-SE24-6E	557.86	0.007	0.007	0	553.726	Not Full	No	4.134	-0.45
MH-SE24-6F	557.92	0.007	0.007	0	551.447	Not Full	No	6.473	-0.509
MH-SW18-5A	759.98	0.008	0.008	0	752.39	Not Full	No	7.59	-0.457
MH-SW18-5C	760.34	0.008	0.008	0	756.099	Not Full	No	4.241	-0.461
MH-SW18-5E	778.33	0.008	0.008	0	768.378	Not Full	No	9.952	-0.618
MH-SW18-5F	767.8	0.008	0.008	0	755.696	Not Full	Yes	12.104	-0.451
MH-SW19-1A	720.38	0.006	0.006	0	712.656	Not Full	No	7.724	-0.611
MH-SW19-1B	714.85	0.006	0.006	0	706.618	Not Full	No	8.232	-0.599
MH-SW19-1C	706.69	0.006	0.006	0	698.195	Not Full	No	8.495	-0.582
MH-SW19-1D	703.01	0.006	0.006	0	693.502	Not Full	No	9.508	-0.595
MH-SW19-1E	701.95	0.006	0.006	0	689.541	Not Full	No	12.409	-0.595
MH-SW19-1G	704.33	0.006	0.006	0	697.06	Not Full	No	7.27	-0.637
MH-SW19-1H	700.15	0.006	0.006	0	691.889	Not Full	No	8.261	-0.627
MH-SW19-1I	695.37	0.006	0.006	0	686.16	Not Full	No	9.21	-0.577
MH-SW19-1J	685.89	0.006	0.006	0	678.068	Not Full	No	7.822	-0.589
MH-SW19-1J2	645.13	0.008	0.008	0	638.183	Not Full	No	6.947	-0.514
MH-SW19-1L	699.64	0.006	0.006	0	690.968	Not Full	No	8.672	-0.639
MH-SW19-1O	691.59	0.006	0.006	0	683.706	Not Full	No	7.884	-0.641
MH-SW19-1P	684.02	0.006	0.006	0	676.346	Not Full	No	7.674	-0.631
MH-SW19-1Q	670.24	0.006	0.006	0	665.346	Not Full	No	4.894	-0.621
MH-SW19-1R	631.96	0.006	0.006	0	618.005	Not Full	No	13.955	-0.522
MH-SW19-2A	695.9	0.008	0.008	0	691.389	Not Full	Yes	4.511	-0.498

ID	Rim Elevation (ft)	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
MH-SW19-2B	693.9	0.008	0.008	0	690.185	Not Full	No	3.715	-0.601
MH-SW19-2D	660.58	0.008	0.008	0	656.054	Not Full	No	4.526	-0.573
MH-SW19-2F	651.59	0.008	0.008	0	646.921	Not Full	No	4.669	-0.586
MH-SW19-2H	632.35	0.008	0.008	0	625.989	Not Full	No	6.361	-0.587
MH-SW19-2I	626.74	0.008	0.008	0	620.022	Not Full	No	6.718	-0.505
MH-SW19-2J	624.68	0.008	0.008	0	617.357	Not Full	No	7.323	-0.56
MH-SW19-2K	634.07	0.008	0.008	0	626.256	Not Full	No	7.814	-0.501
MH-SW19-2L	634.07	0.008	0.008	0	627.098	Not Full	Yes	6.972	0.141
MH-SW19-3A	660.7	0.006	0.006	0	652.496	Not Full	No	8.204	-0.641
MH-SW19-3B	655.51	0.006	0.006	0	646.895	Not Full	No	8.615	-0.632
MH-SW19-3C	642.74	0.006	0.006	0	634.85	Not Full	No	7.89	-0.607
MH-SW19-3E	608.47	0.006	0.006	0	601.69	Not Full	No	6.78	-0.576
MH-SW19-3F	597.09	0.006	0.006	0	590.662	Not Full	No	6.428	-0.554
MH-SW19-3G	585.8	0.006	0.006	0	579.403	Not Full	No	6.397	-0.524
MH-SW19-3H2	617.03	0.006	0.006	0	608.836	Not Full	No	8.194	-0.561
MH-SW19-4B	610.89	0.008	0.008	0	601.492	Not Full	No	9.398	-0.434
MH-SW19-4C	608.74	0.008	0.008	0	598.493	Not Full	No	10.247	-0.513
MH-SW19-4D	603.19	0.008	0.008	0	593.1	Not Full	No	10.09	-0.407
MH-SW19-4E	601.64	0.008	0.008	0	591.696	Not Full	No	9.944	-0.411
MH-SW19-4F	596.71	0.008	0.008	0	587.586	Not Full	No	9.124	-0.341
MH-SW19-4G	593.9	0.008	0.008	0	586.114	Not Full	No	7.786	-0.633
MH-SW19-4H	576.33	0.006	0.006	0	565.411	Not Full	No	10.919	-0.586
MH-SW19-4I	601.83	0.006	0.006	0	596.826	Not Full	No	5.004	-0.59
MH-SW19-4J	593.9	0.008	0.008	0	584.334	Not Full	No	9.566	-0.483
MH-SW19-4K	589.58	0.008	0.008	0	580.807	Not Full	No	8.773	-0.62
MH-SW19-4L	611.51	0.008	0.008	0	603.511	Not Full	No	7.999	-0.515
MH-SW19-5A	585.74	0.007	0.007	0	580.741	Not Full	No	4.999	-0.645
MH-SW19-5AA	583.12	0.008	0.008	0	574.286	Not Full	No	8.834	-0.621
MH-SW19-5B	560.36	0.007	0.007	0	551.399	Not Full	No	8.961	-0.628
MH-SW19-5BA	571.92	0.008	0.008	0	563.34	Not Full	No	8.58	-0.617
MH-SW19-5C	549.29	0.007	0.007	0	541.904	Not Full	No	7.386	-0.623
MH-SW19-5D	537.61	0.007	0.007	0	529.11	Not Full	No	8.5	-0.617
MH-SW19-5E	543.73	0.007	0.007	0	538.839	Not Full	No	4.891	-0.438
MH-SW19-5F	538.45	0.007	0.007	0	533.196	Not Full	No	5.254	-0.49
MH-SW19-5G	523.95	0.007	0.007	0	517.978	Not Full	No	5.972	-0.459
MH-SW19-5H	508.63	0.007	0.007	0	503.513	Not Full	No	5.117	-0.454
MH-SW19-6A	539.56	0.007	0.007	0	534.097	Not Full	No	5.463	-0.63
MH-SW19-6B	522.22	0.007	0.007	0	515.169	Not Full	No	7.051	-0.598
MH-SW19-6BA	568.76	0.007	0.007	0	563.99	Not Full	No	4.77	-0.637
MH-SW19-6C	512.4	0.007	0.007	0	506.46	Not Full	No	5.94	-0.607
MH-SW19-6CA	569.1	0.007	0.007	0	564.285	Not Full	Yes	4.815	-0.581
MH-SW19-6E	593.1	0.003	0.003	0	587.816	Not Full	No	5.284	-0.651
MH-SW19-6EA	560	0.006	0.006	0	554.955	Not Full	No	5.045	-0.511
MH-SW19-6F	544.35	0.008	0.008	0	539.227	Not Full	No	5.123	-0.499
MH-SW19-6G	520.38	0.008	0.008	0	513.303	Not Full	No	7.077	-0.69
MH-SW19-6H	469.5	0.007	0.007	0	462.621	Not Full	No	6.879	-0.652

ID	Rim Elevation (ft)	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
MH-SW19-6HA	499.71	0.008	0.008	0	481.208	Not Full	No	18.502	-0.635
MH-SW19-6I	481.44	0.008	0.008	0	472.314	Not Full	No	9.126	-0.589
MH-SW19-6J	475.69	0.008	0.008	0	470.851	Not Full	No	4.839	-0.672
MH-SW19-6M	494.35	0.007	0.007	0	488.42	Not Full	No	5.93	-0.664
MH-SW19-6N	540.12	0.008	0.008	0	536.612	Not Full	No	3.508	-0.642
MH-SW19-6Q	576.68	0.006	0.006	0	569.713	Not Full	No	6.967	-0.633
MH-SW19-6R	576.68	0.008	0.008	0	572.063	Not Full	No	4.617	-0.454
MH-SW191M	692.99	0.006	0.006	0	684.176	Not Full	No	8.814	-0.631
MH-SW191N	684.01	0.006	0.006	0	674.962	Not Full	No	9.048	-0.635
MH-SW24-4G	640.13	0.349	0.349	0	638.707	Not Full	No	1.423	-0.44
MH-SW24-4J	634.8	0.007	0.007	0	633.017	Not Full	No	1.783	-0.499
MH-SW24-4N	618.29	0.007	0.007	0	616.491	Not Full	No	1.799	-0.516
MH-SW24-4Q	599	0.007	0.007	0	597.414	Not Full	No	1.586	-0.503
MH-SW24-4T	586	0.007	0.007	0	584.436	Not Full	No	1.564	-0.481
MH-SW24-4V	579.71	0.007	0.007	0	575.944	Not Full	No	3.766	-0.483
MH-SW24-4W	577.44	0.007	0.007	0	572.64	Not Full	No	4.8	-0.467
MH10	161.83	0.005	0.005	0	154.694	Not Full	No	7.136	-0.769
MH1075	153.63	0.007	0.007	0	141.635	Not Full	No	11.995	-0.629
MH1076	156.28	0.007	0.007	0	151.639	Not Full	No	4.641	-0.675
MH11	122.3	0.014	0.014	0	113.235	Not Full	No	9.065	-0.481
MH12	163.01	0.005	0.005	0	158.046	Not Full	No	4.964	-0.797
MHSW24-4R	590.81	0.007	0.007	0	589.455	Not Full	No	1.355	-0.472
MH14	156.33	0.048	0.048	0	150.425	Not Full	No	5.905	-0.708
MH15	146.2	0.007	0.007	0	141.346	Not Full	No	4.854	-0.707
MH16	151.3	0.014	0.014	0	143.069	Not Full	No	8.231	-0.597
MH17	138.83	0.007	0.007	0	134.481	Not Full	No	4.349	-0.702
MH18	134.92	0.007	0.007	0	131.006	Not Full	No	3.914	-0.717
MH19	131.09	0.007	0.007	0	123.221	Not Full	No	7.869	-0.532
MH20	125.98	0.014	0.014	0	119.938	Not Full	Yes	6.042	-0.325
MH21	123.43	0.014	0.014	0	118.676	Not Full	No	4.754	-0.487
MH22	118.66	0.014	0.014	0	113.888	Not Full	No	4.772	-0.406
MH23	115.77	0.014	0.014	0	112.389	Not Full	Yes	3.381	-0.364
MH24	116.24	0.014	0.014	0	110.543	Not Full	No	5.697	-0.747
MH25	126.5	0.014	0.014	0	118.288	Not Full	Yes	8.212	-0.558
MH26	130.6	0.014	0.014	0	123.126	Not Full	No	7.474	-0.61
MH27	133.2	0.014	0.014	0	127.098	Not Full	No	6.102	-0.619
MH28	119.43	0.014	0.014	0	112.945	Not Full	No	6.485	-0.582
MH29	120.36	0.014	0.014	0	114.091	Not Full	No	6.269	-0.576
MH30	126.67	0.014	0.014	0	114.84	Not Full	No	11.83	-0.44
MH31	103.7	0.014	0.014	0	94.527	Not Full	Yes	9.173	-0.589
MH32	112.5	0.014	0.014	0	99.727	Not Full	No	12.773	-0.619
MH33	102.5	0.014	0.014	0	96.249	Not Full	Yes	6.251	-0.685
MH34	107.4	0.014	0.014	0	100.276	Not Full	No	7.124	-0.738
MH35	112.6	0.014	0.014	0	105.85	Not Full	No	6.75	-0.753
MH36	106.7	0.014	0.014	0	105.918	Not Full	No	0.782	3.635
MH37	115.7	0.014	0.014	0	108.946	Not Full	No	6.754	-0.757

ID	Rim Elevation (ft)	Base Flow (cfs)	Total Flow (cfs)	Storm Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
MH38	115.4	0.014	0.014	0	110.117	Not Full	No	5.283	-0.776
MH39	116.7	0.014	0.014	0	109.828	Not Full	No	6.872	-0.608
MH4	109.1	0.014	0.014	0	103.373	Not Full	Yes	5.727	3.13
MH40	120	0.014	0.014	0	112.771	Not Full	No	7.229	-0.626
MH42	118.5	0.014	0.014	0	106.981	Not Full	No	11.519	-0.486
MH43	135.9	0.014	0.014	0	127.253	Not Full	No	8.647	-0.574
MH44	161.5	0.014	0.014	0	147.123	Not Full	No	14.377	-0.613
MH45	126.7	0.014	0.014	0	119.518	Not Full	No	7.182	-0.609
MH46	132.2	0.014	0.014	0	121.682	Not Full	No	10.518	-0.614
MH47	140	0.014	0.014	0	129.095	Not Full	Yes	10.905	-0.572
MH48	151	0.014	0.014	0	140.062	Not Full	No	10.938	-0.625
MH49	146.8	0.014	0.014	0	134.072	Not Full	No	12.728	-0.595
MH5	110.55	0.014	0.014	0	103.373	Not Full	No	7.177	-0.677
MH50	164.18	0.014	0.014	0	151.048	Not Full	No	13.132	-0.618
MH51	168.7	0.014	0.014	0	160.982	Not Full	No	7.718	-0.625
MH52	162.85	0.014	0.014	0	147.621	Not Full	Yes	15.229	-0.546
MH53	173	0.014	0.014	0	165.234	Not Full	No	7.766	-0.632
MH54	198.91	0.014	0.014	0	193.133	Not Full	No	5.777	-0.394
MH55	121.7	0.014	0.014	0	110.339	Not Full	No	11.361	-0.558
MH56	129.1	0.014	0.014	0	111.296	Not Full	Yes	17.804	-0.531
MH57	137.6	0.014	0.014	0	127.628	Not Full	No	9.972	-0.608
MH58	156	0.014	0.014	0	141.224	Not Full	No	14.776	-0.613
MH59	151.7	0.014	0.014	0	142.837	Not Full	No	8.863	-0.6
MH6	107.1	0.014	0.014	0	104.639	Not Full	No	2.461	3.286
MH60	159.4	0.014	0.014	0	154.769	Not Full	No	4.631	-0.398
MH61	134.8	0.014	0.014	0	129.832	Not Full	No	4.968	-0.335
MH62	116.22	0.014	0.014	0	110.383	Not Full	No	5.837	-0.284
MH63	109	0.014	0.014	0	103.417	Not Full	No	5.583	1.384
MH64	102.4	0.014	0.014	0	98.007	Not Full	No	4.393	-0.609
MH65	111	0.014	0.014	0	108.377	Not Full	Yes	2.623	2.37
MH66	114.75	0.014	0.014	0	107.82	Not Full	Yes	6.93	3.064
MH67	110.37	0.014	0.014	0	107.952	Not Full	No	2.418	-0.718
MH68	221.77	0.014	0.014	0	211.015	Not Full	No	10.755	-0.372
MH69	234.91	0.014	0.014	0	227.894	Not Full	No	7.016	-0.383
MH7	107.5	0.014	0.014	0	107.05	Not Full	No	0.45	3.827
MH70	257.1	0.014	0.014	0	251.713	Not Full	No	5.387	-0.404
MH71	278.14	0.014	0.014	0	273.665	Not Full	No	4.475	-0.392
MH73	110.76	0.014	0.014	0	97.748	Not Full	No	13.012	-1.062
MH74	108.38	0.014	0.014	0	96.537	Not Full	No	11.843	-1.143
MH75	97.1	0.014	0.014	0	93.406	Not Full	Yes	3.694	-0.744
MH76	95	0.014	0.014	0	92.432	Not Full	No	2.568	-1.198
MH9	115.92	0.014	0.014	0	109.454	Not Full	No	6.466	-0.612
SURVEYED	435.43	0.007	0.007	0	429.459	Not Full	No	5.971	-0.588
MH_W-1	116.28	0.014	0.014	0	110.234	Not Full	No	6.046	-0.512
MH-SE24-6B	567.42	0.007	0.007	0	563.48	Not Full	No	3.94	-0.436
MH	314.66	0.008	0.008	0	290.495	Not Full	No	24.165	-0.432

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Unpeakable Flow (cfs)	Peakable Flow (cfs)	Coverage Flow (cfs)	Infiltration Flow (cfs)	Storm Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Coverage Count	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
19	MH-NE24-6C	MH-NE24-6D	8	143.734	0.089	0.006	0.006	0	0	0	0	Free Surface	1.925	0.03	0.002	0.02	0.035	2.906	3.616	0	No	0.02	1.925
296	MH-SE24-3B	MH-SE24-4A	8	514.47	0.114	0.006	0.006	0	0	0	0	Free Surface	2.099	0.029	0.001	0.019	0.035	3.261	4.095	0	No	0.019	2.099
146	MH-SW19-6E	MH-SW19-6CA	8	380.415	0.062	0.003	0.003	0	0	0	0	Free Surface	1.37	0.024	0.001	0.016	0.024	2.332	3.011	0	No	0.016	1.37
456	MH4	MH5	10	162.028	0.003	0	0	0	0	0	0	Pressurized	0	0	0	0	0.004	0	1.145	0	Yes	0.833	0

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)			Flow (cfs)					
MH8	107.5	0.015	0.015	0	107.5	Full	Yes	0	3.297
MH-1	132.76	0.006	0.006	0	132.76	Full	No	0	7.187
MH13	164.25	0.007	0.007	0	164.25	Full	No	0	3.167
MH-12	135.5	0.015	0.015	0	123.321	Not Full	No	12.179	-0.526
MH-13	127.9	0.015	0.015	0	124.663	Not Full	Yes	3.237	-0.484
MH-15	144.2	0.015	0.015	0	129.674	Not Full	No	14.526	-0.543
MH-16	141.98	0.007	0.007	0	137.13	Not Full	No	4.85	-0.684
MH-17	145.5	0.015	0.015	0	131.544	Not Full	Yes	13.956	-0.542
MH-18	159.5	0.015	0.015	0	150.135	Not Full	No	9.365	-0.602
MH-184	509.84	0.007	0.007	0	507.78	Not Full	No	2.06	-0.46
MH-19	170.4	0.015	0.015	0	158.706	Not Full	No	11.694	-0.61
MH-1A	104.35	0.015	0.015	0	93.721	Not Full	Yes	10.629	-0.779
MH-2	134.8	0.006	0.006	0	132.764	Not Full	No	2.036	5.471
MH-20	171.6	0.015	0.015	0	161.74	Not Full	No	9.86	-0.617
MH-202	451.39	0.007	0.007	0	448.957	Not Full	No	2.433	-0.6
MH-204	460.99	0.007	0.007	0	457.526	Not Full	No	3.464	-0.63
MH-205	467.28	0.007	0.007	0	465.472	Not Full	No	1.808	-0.625
MH-21	157	0.015	0.015	0	148.164	Not Full	No	8.836	-0.603
MH-22	179	0.015	0.015	0	171.032	Not Full	No	7.968	-0.634
MH-22A	143.7	0.015	0.015	0	131.291	Not Full	Yes	12.409	-0.556
MH-23	148.2	0.015	0.015	0	140.36	Not Full	No	7.84	-0.607
MH-24	151.1	0.015	0.015	0	144.479	Not Full	No	6.621	-0.618
MH-290	527.97	0.007	0.007	0	526.442	Not Full	No	1.528	-0.478
MH-2A	103.3	0.015	0.015	0	95.309	Not Full	No	7.991	-0.591
MH-3	138.3	0.006	0.006	0	132.766	Not Full	No	5.534	4.313
MH-36	115.7	0.015	0.015	0	107.882	Not Full	No	7.818	-0.742
MH-3A	103	0.015	0.015	0	97.059	Not Full	No	5.941	-0.175
MH-4	136.5	0.006	0.006	0	132.772	Not Full	No	3.728	2.649
MH-5	138	0.006	0.006	0	132.777	Not Full	Yes	5.223	0.984
MH-6	140.72	0.006	0.006	0	134.398	Not Full	No	6.322	-0.735
MH-7	155	0.006	0.006	0	150.332	Not Full	No	4.668	-0.751
MH-8	159.26	0.045	0.045	0	151.904	Not Full	No	7.356	-0.71
MH-9	161.87	0.006	0.006	0	153.854	Not Full	No	8.016	-0.759
MH-NE24-1A	848.15	0.008	0.008	0	841.16	Not Full	No	6.99	-0.617
MH-NE24-1B	871.26	0.008	0.008	0	864.258	Not Full	No	7.002	-0.628
MH-NE24-1C	871.89	0.008	0.008	0	864.92	Not Full	Yes	6.97	-0.596
MH-NE24-1D	850.34	0.008	0.008	0	840.651	Not Full	No	9.689	-0.606
MH-NE24-1E	857.31	0.008	0.008	0	850.846	Not Full	No	6.464	-0.601
MH-NE24-1F	871.37	0.008	0.008	0	858.979	Not Full	No	12.391	-0.607
MH-NE24-1H	888.02	0.008	0.008	0	879.834	Not Full	No	8.186	-0.622
MH-NE24-1I	889.82	0.008	0.008	0	880.963	Not Full	Yes	8.857	-0.594
MH-NE24-1J	901.32	0.008	0.008	0	894.355	Not Full	No	6.965	-0.632
MH-NE24-1K	919.21	0.008	0.008	0	911.434	Not Full	No	7.776	-0.642
MH-NE24-4A	989.39	0.008	0.008	0	983.934	Not Full	No	5.456	-0.622

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)			Flow (cfs)					
MH-NE24-4B	945.75	0.008	0.008	0	939.025	Not Full	No	6.725	-0.612
MH-NE24-4C	931.48	0.008	0.008	0	926.324	Not Full	No	5.156	-0.622
MH-NE24-4D	877.82	0.008	0.008	0	872.231	Not Full	No	5.589	-0.626
MH-NE24-4E	773.82	0.008	0.008	0	769.691	Not Full	Yes	4.129	-0.495
MH-NE24-4G	903.32	0.008	0.008	0	895.504	Not Full	No	7.816	-0.643
MH-NE24-5A	1,069.17	0.008	0.008	0	1,063.22	Not Full	No	5.954	-0.62
MH-NE24-5B	1,068.35	0.008	0.008	0	1,060.83	Not Full	No	7.516	-0.632
MH-NE24-5C	1,067.40	0.008	0.008	0	1,061.72	Not Full	No	5.685	-0.601
MH-NE24-5D	1,027.11	0.008	0.008	0	1,018.63	Not Full	No	8.476	-0.623
MH-NE24-6C	817.93	0.006	0.006	0	811.10	Not Full	No	6.829	-0.646
MH-NE24-6D	803.58	0.006	0.006	0	798.21	Not Full	No	5.374	-0.641
MH-NE24-6E	783.52	0.006	0.006	0	775.79	Not Full	No	7.728	-0.635
MH-NE24-6F	758.41	0.006	0.006	0	749.35	Not Full	No	9.06	-0.626
MH-NE24-6G	758.34	0.006	0.006	0	752.785	Not Full	No	5.555	-0.642
MH-NE24-6H	766.89	0.006	0.006	0	758.919	Not Full	No	7.971	-0.638
MH-NE24-6I	740.44	0.006	0.006	0	732.06	Not Full	No	8.378	-0.645
MH-NE24-6J	730.28	0.006	0.006	0	725.07	Not Full	No	5.206	-0.623
MH-NE30-1B	427.40	0.008	0.008	0	421.35	Not Full	No	6.05	-0.603
MH-NE30-1D	407.93	0.008	0.008	0	399.08	Not Full	No	8.855	-0.538
MH-NE30-1F	385.92	0.008	0.008	0	382.178	Not Full	No	3.742	-0.385
MH-NE30-1G	388.71	0.007	0.007	0	382.953	Not Full	No	5.757	-0.643
MH-NE30-1H	394.24	0.007	0.007	0	387.714	Not Full	No	6.526	-0.632
MH-NE30-1I	464.17	0.008	0.008	0	459.227	Not Full	No	4.943	-0.509
MH-NE30-2B	461.42	0.008	0.008	0	454.414	Not Full	No	7.006	-0.623
MH-NE30-3A	386.42	0.007	0.007	0	381.49	Not Full	No	4.935	-0.648
MH-NE30-3B	360.52	0.007	0.007	0	354.00	Not Full	Yes	6.516	-0.449
MH-NE30-3C	357.95	0.007	0.007	0	352.72	Not Full	No	5.227	-0.66
MH-NE30-3D	351.31	0.007	0.007	0	344.95	Not Full	No	6.361	-0.694
MH-NE30-3E	316.12	0.007	0.007	0	312.744	Not Full	No	3.376	-0.71
MH-NE30-3F	384.15	0.008	0.008	0	377.355	Not Full	No	6.795	-0.529
MH-NE30-3G	373.52	0.008	0.008	0	368.586	Not Full	No	4.934	-0.401
MH-NE30-4A	482.17	0.008	0.008	0	472.944	Not Full	No	9.226	-0.476
MH-NE30-4B	450	0.008	0.008	0	444.523	Not Full	No	5.477	-0.644
MH-NE30-4C	435	0.008	0.008	0	431.54	Not Full	No	3.46	-0.627
MH-NE30-4D	386.86	0.008	0.008	0	379.989	Not Full	No	6.871	-0.617
MH-NE30-4E	341.32	0.008	0.008	0	333.725	Not Full	No	7.595	-0.611
MH-NE30-4F	456.94	0.008	0.008	0	452.45	Not Full	No	4.49	-0.607
MH-NE30-4G	458.48	0.008	0.008	0	450.321	Not Full	No	8.159	-0.626
MH-NE30-4H	342.14	0.008	0.008	0	336.748	Not Full	No	5.392	-0.409
MH-NE30-4I	310.76	0.008	0.008	0	301.77	Not Full	No	8.99	-0.357
MH-NW19-1A	755.38	0.008	0.008	0	749.769	Not Full	No	5.611	-0.497
MH-NW19-1B	750.45	0.008	0.008	0	745.042	Not Full	No	5.408	-0.495
MH-NW19-1C	745.78	0.008	0.008	0	740.523	Not Full	No	5.257	-0.524
MH-NW19-1D	741.16	0.008	0.008	0	731.67	Not Full	No	9.49	-0.507
MH-NW19-1E	764.37	0.008	0.008	0	758.765	Not Full	No	5.605	-0.642
MH-NW19-3A	774.66	0.008	0.008	0	768.61	Not Full	No	6.05	-0.597

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)			Flow (cfs)					
MH-NW19-3B	750	0.008	0.008	0	743.359	Not Full	No	6.641	-0.568
MH-NW19-3C	746.89	0.008	0.008	0	738.117	Not Full	Yes	8.773	-0.49
MH-NW19-3D	745.57	0.008	0.008	0	737.24	Not Full	No	8.33	-0.577
MH-NW19-3E	731.37	0.008	0.008	0	722.725	Not Full	No	8.645	-0.561
MH-NW19-3F	719.38	0.008	0.008	0	710.062	Not Full	No	9.318	-0.465
MH-NW19-3G	756.97	0.008	0.008	0	750.938	Not Full	No	6.032	-0.639
MH-NW19-3I	754	0.008	0.008	0	748.632	Not Full	No	5.368	-0.634
MH-NW19-3J	747.88	0.008	0.008	0	742.562	Not Full	No	5.318	-0.635
MH-NW19-3K	733.37	0.008	0.008	0	725.637	Not Full	No	7.733	-0.6
MH-NW19-3L	730.78	0.008	0.008	0	722.43	Not Full	No	8.35	-0.497
MH-NW19-3M	716.66	0.008	0.008	0	711.83	Not Full	Yes	4.83	-0.397
MH-NW19-4C	716.17	0.008	0.008	0	707.962	Not Full	Yes	8.208	-0.335
MH-NW19-5A	732.22	0.006	0.006	0	727.151	Not Full	No	5.069	-0.635
MH-NW19-5B	729.36	0.006	0.006	0	724.051	Not Full	No	5.309	-0.626
MH-NW19-5C	726.64	0.006	0.006	0	717.417	Not Full	Yes	9.223	-0.559
MH-NW19-5D	726.64	0.006	0.006	0	716.378	Not Full	No	10.262	-0.599
MH-NW19-5E	712.17	0.006	0.006	0	703.041	Not Full	No	9.129	-0.596
MH-NW19-5F	708.28	0.006	0.006	0	697.747	Not Full	No	10.533	-0.591
MH-NW19-5G	709.66	0.008	0.008	0	701.821	Not Full	No	7.839	-0.626
MH-NW19-5H	732.17	0.008	0.008	0	721.712	Not Full	No	10.458	-0.625
MH-NW19-5I	726.8	0.008	0.008	0	718.342	Not Full	No	8.458	-0.625
MH-NW19-5K	710.41	0.006	0.006	0	701.736	Not Full	No	8.674	-0.641
MH-NW19-5L	701.85	0.008	0.008	0	690.683	Not Full	No	11.167	-0.514
MH-NW19-6A	714.22	0.008	0.008	0	706	Not Full	No	8.22	-0.367
MH-NW19-6B	716.98	0.008	0.008	0	704.581	Not Full	No	12.399	-0.366
MH-NW19-6C	707.59	0.008	0.008	0	700.536	Not Full	No	7.054	-0.461
MH-NW30-2B	433.9	0.007	0.007	0	428.468	Not Full	No	5.432	-0.665
MH-NW30-2C	415.15	0.007	0.007	0	410.052	Not Full	No	5.098	-0.631
MH-NW30-2D	397	0.007	0.007	0	392.258	Not Full	No	4.742	-0.596
MH-SE13-4A	814.23	0.008	0.008	0	804.861	Not Full	No	9.369	-0.469
MH-SE13-4C	805.79	0.008	0.008	0	801.704	Not Full	No	4.086	-0.643
MH-SE13-5A	810.69	0.008	0.008	0	803.529	Not Full	No	7.161	-0.618
MH-SE13-5B	805.88	0.008	0.008	0	801.589	Not Full	No	4.291	-0.628
MH-SE13-5C	825.08	0.008	0.008	0	819.553	Not Full	Yes	5.527	-0.494
MH-SE13-5D	825.85	0.008	0.008	0	820.428	Not Full	No	5.422	-0.548
MH-SE13-5E	830.02	0.008	0.008	0	821.441	Not Full	Yes	8.579	-0.546
MH-SE13-6C	773.87	0.008	0.008	0	760.784	Not Full	No	13.086	-0.523
MH-SE13-6D	783.75	0.008	0.008	0	771.477	Not Full	No	12.273	-0.529
MH-SE13-6E	787.12	0.008	0.008	0	780.721	Not Full	No	6.399	-0.556
MH-SE13-6F	789.9	0.008	0.008	0	783.523	Not Full	No	6.377	-0.504
MH-SE13-6G	793.5	0.008	0.008	0	787.236	Not Full	No	6.264	-0.521
MH-SE13-6H	814.38	0.008	0.008	0	808.739	Not Full	No	5.641	-0.577
MH-SE13-6I	824.11	0.008	0.008	0	819.105	Not Full	No	5.005	-0.572
MH-SE13-6J	782.79	0.008	0.008	0	778.914	Not Full	No	3.876	-0.633
MH-SE19-3B	569.27	0.008	0.008	0	564.278	Not Full	No	4.992	-0.638
MH-SE19-5B	557.07	0.008	0.008	0	550.022	Not Full	No	7.048	-0.614

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)			Flow (cfs)					
MH-SE19-5C	541.34	0.008	0.008	0	533.37	Not Full	No	7.97	-0.597
MH-SE19-5D	556.2	0.008	0.008	0	547.76	Not Full	No	8.44	-0.477
MH-SE19-5E	540.97	0.008	0.008	0	534.052	Not Full	No	6.918	-0.484
MH-SE19-5F	525.54	0.008	0.008	0	515.487	Not Full	No	10.053	-0.519
MH-SE19-5H	560.4	0.008	0.008	0	553.855	Not Full	No	6.545	-0.631
MH-SE19-5I	544.4	0.008	0.008	0	537.12	Not Full	No	7.28	-0.607
MH-SE24-2A	721.36	0.006	0.006	0	714.864	Not Full	No	6.496	-0.642
MH-SE24-2C	702.33	0.006	0.006	0	696.954	Not Full	No	5.376	-0.623
MH-SE24-2D	700.68	0.006	0.006	0	692.89	Not Full	No	7.79	-0.617
MH-SE24-2E	694.06	0.006	0.006	0	687.629	Not Full	No	6.431	-0.628
MH-SE24-2F	698.72	0.006	0.006	0	693.643	Not Full	No	5.077	-0.644
MH-SE24-3B	751.88	0.006	0.006	0	744.149	Not Full	No	7.731	-0.647
MH-SE24-4A	691.47	0.006	0.006	0	685.305	Not Full	No	6.165	-0.632
MH-SE24-4B	684.03	0.006	0.006	0	678.205	Not Full	No	5.825	-0.631
MH-SE24-4C	634	0.006	0.006	0	627.64	Not Full	No	6.36	-0.607
MH-SE24-4D	622.85	0.006	0.006	0	615.518	Not Full	Yes	7.332	-0.579
MH-SE24-4E	622.04	0.006	0.006	0	614.286	Not Full	No	7.754	-0.581
MH-SE24-4F	658.34	0.006	0.006	0	652.176	Not Full	No	6.164	-0.621
MH-SE24-4H	673.12	0.006	0.006	0	668.794	Not Full	No	4.326	-0.643
MH-SE24-4I	572.7	0.007	0.007	0	566.855	Not Full	No	5.845	-0.592
MH-SE24-4J	693.68	0.007	0.007	0	688.202	Not Full	Yes	5.478	-0.604
MH-SE24-4K	693.68	0.007	0.007	0	687.553	Not Full	No	6.127	-0.644
MH-SE24-4M	704.23	0.007	0.007	0	696.959	Not Full	No	7.271	-0.638
MH-SE24-6A	570.29	0.007	0.007	0	565.38	Not Full	No	4.91	-0.596
MH-11	161.68	0.006	0.006	0	155.535	Not Full	No	6.145	-0.778
MH-SE24-6C	565.6	0.007	0.007	0	561.01	Not Full	No	4.59	-0.437
MH-SE24-6E	557.86	0.007	0.007	0	553.731	Not Full	No	4.129	-0.446
MH-SE24-6F	557.92	0.007	0.007	0	551.451	Not Full	No	6.469	-0.506
MH-SW18-5A	759.98	0.008	0.008	0	752.393	Not Full	No	7.587	-0.454
MH-SW18-5C	760.34	0.008	0.008	0	756.099	Not Full	No	4.241	-0.461
MH-SW18-5E	778.33	0.008	0.008	0	768.379	Not Full	No	9.951	-0.618
MH-SW18-5F	767.8	0.008	0.008	0	755.698	Not Full	Yes	12.102	-0.448
MH-SW19-1A	720.38	0.006	0.006	0	712.657	Not Full	No	7.723	-0.61
MH-SW19-1B	714.85	0.006	0.006	0	706.619	Not Full	No	8.231	-0.598
MH-SW19-1C	706.69	0.006	0.006	0	698.196	Not Full	No	8.494	-0.58
MH-SW19-1D	703.01	0.006	0.006	0	693.503	Not Full	No	9.507	-0.593
MH-SW19-1E	701.95	0.006	0.006	0	689.543	Not Full	No	12.407	-0.594
MH-SW19-1G	704.33	0.006	0.006	0	697.06	Not Full	No	7.27	-0.637
MH-SW19-1H	700.15	0.006	0.006	0	691.89	Not Full	No	8.26	-0.627
MH-SW19-1I	695.37	0.006	0.006	0	686.161	Not Full	No	9.209	-0.576
MH-SW19-1J	685.89	0.006	0.006	0	678.069	Not Full	No	7.821	-0.588
MH-SW19-1J2	645.13	0.008	0.008	0	638.184	Not Full	No	6.946	-0.512
MH-SW19-1L	699.64	0.006	0.006	0	690.968	Not Full	No	8.672	-0.639
MH-SW19-1O	691.59	0.006	0.006	0	683.706	Not Full	No	7.884	-0.64
MH-SW19-1P	684.02	0.006	0.006	0	676.346	Not Full	No	7.674	-0.63
MH-SW19-1Q	670.24	0.006	0.006	0	665.347	Not Full	No	4.893	-0.62

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)			Flow (cfs)					
MH-SW19-1R	631.96	0.006	0.006	0	618.008	Not Full	No	13.952	-0.519
MH-SW19-2A	695.9	0.008	0.008	0	691.393	Not Full	Yes	4.507	-0.494
MH-SW19-2B	693.9	0.008	0.008	0	690.187	Not Full	No	3.713	-0.6
MH-SW19-2D	660.58	0.008	0.008	0	656.056	Not Full	No	4.524	-0.571
MH-SW19-2F	651.59	0.008	0.008	0	646.923	Not Full	No	4.667	-0.584
MH-SW19-2H	632.35	0.008	0.008	0	625.991	Not Full	No	6.359	-0.586
MH-SW19-2I	626.74	0.008	0.008	0	620.025	Not Full	No	6.715	-0.502
MH-SW19-2J	624.68	0.008	0.008	0	617.359	Not Full	No	7.321	-0.558
MH-SW19-2K	634.07	0.008	0.008	0	626.257	Not Full	No	7.813	-0.5
MH-SW19-2L	634.07	0.008	0.008	0	627.106	Not Full	Yes	6.964	0.15
MH-SW19-3A	660.7	0.006	0.006	0	652.497	Not Full	No	8.203	-0.64
MH-SW19-3B	655.51	0.006	0.006	0	646.896	Not Full	No	8.614	-0.631
MH-SW19-3C	642.74	0.006	0.006	0	634.851	Not Full	No	7.889	-0.606
MH-SW19-3E	608.47	0.006	0.006	0	601.692	Not Full	No	6.778	-0.575
MH-SW19-3F	597.09	0.006	0.006	0	590.664	Not Full	No	6.426	-0.552
MH-SW19-3G	585.8	0.006	0.006	0	579.405	Not Full	No	6.395	-0.521
MH-SW19-3H2	617.03	0.006	0.006	0	608.837	Not Full	No	8.193	-0.559
MH-SW19-4B	610.89	0.008	0.008	0	601.495	Not Full	No	9.395	-0.432
MH-SW19-4C	608.74	0.008	0.008	0	598.496	Not Full	No	10.244	-0.511
MH-SW19-4D	603.19	0.008	0.008	0	593.103	Not Full	No	10.087	-0.404
MH-SW19-4E	601.64	0.008	0.008	0	591.699	Not Full	No	9.941	-0.408
MH-SW19-4F	596.71	0.008	0.008	0	587.59	Not Full	No	9.12	-0.337
MH-SW19-4G	593.9	0.008	0.008	0	586.114	Not Full	No	7.786	-0.633
MH-SW19-4H	576.33	0.006	0.006	0	565.412	Not Full	No	10.918	-0.585
MH-SW19-4I	601.83	0.006	0.006	0	596.828	Not Full	No	5.002	-0.589
MH-SW19-4J	593.9	0.008	0.008	0	584.335	Not Full	No	9.565	-0.481
MH-SW19-4K	589.58	0.008	0.008	0	580.807	Not Full	No	8.773	-0.619
MH-SW19-4L	611.51	0.008	0.008	0	603.514	Not Full	No	7.996	-0.512
MH-SW19-5A	585.74	0.007	0.007	0	580.742	Not Full	No	4.998	-0.644
MH-SW19-5AA	583.12	0.008	0.008	0	574.286	Not Full	No	8.834	-0.621
MH-SW19-5B	560.36	0.007	0.007	0	551.4	Not Full	No	8.96	-0.626
MH-SW19-5BA	571.92	0.008	0.008	0	563.341	Not Full	No	8.579	-0.616
MH-SW19-5C	549.29	0.007	0.007	0	541.905	Not Full	No	7.385	-0.622
MH-SW19-5D	537.61	0.007	0.007	0	529.111	Not Full	No	8.499	-0.615
MH-SW19-5E	543.73	0.007	0.007	0	538.844	Not Full	No	4.886	-0.432
MH-SW19-5F	538.45	0.007	0.007	0	533.2	Not Full	No	5.25	-0.486
MH-SW19-5G	523.95	0.007	0.007	0	517.983	Not Full	No	5.967	-0.454
MH-SW19-5H	508.63	0.007	0.007	0	503.518	Not Full	No	5.112	-0.449
MH-SW19-6A	539.56	0.007	0.007	0	534.098	Not Full	No	5.462	-0.629
MH-SW19-6B	522.22	0.007	0.007	0	515.171	Not Full	No	7.049	-0.595
MH-SW19-6BA	568.76	0.007	0.007	0	563.991	Not Full	No	4.769	-0.636
MH-SW19-6C	512.4	0.007	0.007	0	506.462	Not Full	No	5.938	-0.605
MH-SW19-6CA	569.1	0.007	0.007	0	564.287	Not Full	Yes	4.813	-0.579
MH-SW19-6E	593.1	0.003	0.003	0	587.816	Not Full	No	5.284	-0.651
MH-SW19-6EA	560	0.006	0.006	0	554.958	Not Full	No	5.042	-0.509
MH-SW19-6F	544.35	0.008	0.008	0	539.23	Not Full	No	5.12	-0.496

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)			Flow (cfs)					
MH-SW19-6G	520.38	0.008	0.008	0	513.306	Not Full	No	7.074	-0.688
MH-SW19-6H	469.5	0.007	0.007	0	462.625	Not Full	No	6.875	-0.648
MH-SW19-6HA	499.71	0.008	0.008	0	481.212	Not Full	No	18.498	-0.632
MH-SW19-6I	481.44	0.008	0.008	0	472.319	Not Full	No	9.121	-0.585
MH-SW19-6J	475.69	0.008	0.008	0	470.854	Not Full	No	4.836	-0.669
MH-SW19-6M	494.35	0.007	0.007	0	488.424	Not Full	No	5.926	-0.66
MH-SW19-6N	540.12	0.008	0.008	0	536.612	Not Full	No	3.508	-0.641
MH-SW19-6Q	576.68	0.006	0.006	0	569.714	Not Full	No	6.966	-0.633
MH-SW19-6R	576.68	0.008	0.008	0	572.065	Not Full	No	4.615	-0.452
MH-SW191M	692.99	0.006	0.006	0	684.177	Not Full	No	8.813	-0.63
MH-SW191N	684.01	0.006	0.006	0	674.963	Not Full	No	9.047	-0.634
MH-SW24-4G	640.13	0.361	0.361	0	638.711	Not Full	No	1.419	-0.435
MH-SW24-4J	634.8	0.007	0.007	0	633.02	Not Full	No	1.78	-0.496
MH-SW24-4N	618.29	0.007	0.007	0	616.494	Not Full	No	1.796	-0.513
MH-SW24-4Q	599	0.007	0.007	0	597.417	Not Full	No	1.583	-0.5
MH-SW24-4T	586	0.007	0.007	0	584.439	Not Full	No	1.561	-0.477
MH-SW24-4V	579.71	0.007	0.007	0	575.947	Not Full	No	3.763	-0.48
MH-SW24-4W	577.44	0.007	0.007	0	572.644	Not Full	No	4.796	-0.463
MH10	161.83	0.006	0.006	0	154.697	Not Full	No	7.133	-0.766
MH1075	153.63	0.007	0.007	0	141.64	Not Full	No	11.99	-0.623
MH1076	156.28	0.007	0.007	0	151.643	Not Full	No	4.637	-0.671
MH11	122.3	0.015	0.015	0	113.24	Not Full	No	9.06	-0.477
MH12	163.01	0.006	0.006	0	158.048	Not Full	No	4.962	-0.796
MHSW24-4R	590.81	0.007	0.007	0	589.459	Not Full	No	1.351	-0.468
MH14	156.33	0.048	0.048	0	150.427	Not Full	No	5.903	-0.706
MH15	146.2	0.007	0.007	0	141.348	Not Full	No	4.852	-0.705
MH16	151.3	0.015	0.015	0	143.071	Not Full	No	8.229	-0.596
MH17	138.83	0.007	0.007	0	134.484	Not Full	No	4.346	-0.699
MH18	134.92	0.007	0.007	0	131.008	Not Full	No	3.912	-0.715
MH19	131.09	0.007	0.007	0	123.229	Not Full	No	7.861	-0.524
MH20	125.98	0.015	0.015	0	119.955	Not Full	Yes	6.025	-0.308
MH21	123.43	0.015	0.015	0	118.686	Not Full	No	4.744	-0.478
MH22	118.66	0.015	0.015	0	113.9	Not Full	Yes	4.76	-0.393
MH23	115.77	0.015	0.015	0	112.404	Not Full	No	3.366	-0.35
MH24	116.24	0.015	0.015	0	110.549	Not Full	No	5.691	-0.741
MH25	126.5	0.015	0.015	0	118.291	Not Full	Yes	8.209	-0.556
MH26	130.6	0.015	0.015	0	123.127	Not Full	No	7.473	-0.609
MH27	133.2	0.015	0.015	0	127.099	Not Full	No	6.101	-0.618
MH28	119.43	0.015	0.015	0	112.947	Not Full	No	6.483	-0.58
MH29	120.36	0.015	0.015	0	114.093	Not Full	No	6.267	-0.574
MH30	126.67	0.015	0.015	0	114.842	Not Full	No	11.828	-0.438
MH31	103.7	0.015	0.015	0	94.529	Not Full	Yes	9.171	-0.588
MH32	112.5	0.015	0.015	0	99.728	Not Full	No	12.772	-0.618
MH33	102.5	0.015	0.015	0	96.252	Not Full	Yes	6.248	-0.682
MH34	107.4	0.015	0.015	0	100.278	Not Full	No	7.122	-0.736

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)			Flow (cfs)					
MH35	112.6	0.015	0.015	0	105.852	Not Full	No	6.748	-0.751
MH36	106.7	0.015	0.015	0	106.178	Not Full	No	0.522	3.895
MH37	115.7	0.015	0.015	0	108.948	Not Full	No	6.752	-0.756
MH38	115.4	0.015	0.015	0	110.119	Not Full	No	5.281	-0.775
MH39	116.7	0.015	0.015	0	109.83	Not Full	No	6.87	-0.607
MH4	109.1	0.015	0.015	0	103.381	Not Full	Yes	5.719	3.138
MH40	120	0.015	0.015	0	112.771	Not Full	No	7.229	-0.625
MH42	118.5	0.015	0.015	0	106.985	Not Full	No	11.515	-0.482
MH43	135.9	0.015	0.015	0	127.254	Not Full	No	8.646	-0.572
MH44	161.5	0.015	0.015	0	147.124	Not Full	No	14.376	-0.612
MH45	126.7	0.015	0.015	0	119.519	Not Full	No	7.181	-0.608
MH46	132.2	0.015	0.015	0	121.683	Not Full	No	10.517	-0.613
MH47	140	0.015	0.015	0	129.097	Not Full	Yes	10.903	-0.57
MH48	151	0.015	0.015	0	140.062	Not Full	No	10.938	-0.624
MH49	146.8	0.015	0.015	0	134.074	Not Full	No	12.726	-0.593
MH5	110.55	0.015	0.015	0	103.381	Not Full	No	7.169	-0.669
MH50	164.18	0.015	0.015	0	151.049	Not Full	No	13.131	-0.617
MH51	168.7	0.015	0.015	0	160.983	Not Full	No	7.717	-0.624
MH52	162.85	0.015	0.015	0	147.623	Not Full	Yes	15.227	-0.543
MH53	173	0.015	0.015	0	165.235	Not Full	No	7.765	-0.632
MH54	198.91	0.015	0.015	0	193.137	Not Full	No	5.773	-0.389
MH55	121.7	0.015	0.015	0	110.341	Not Full	No	11.359	-0.556
MH56	129.1	0.015	0.015	0	111.299	Not Full	Yes	17.801	-0.528
MH57	137.6	0.015	0.015	0	127.63	Not Full	No	9.97	-0.607
MH58	156	0.015	0.015	0	141.225	Not Full	No	14.775	-0.612
MH59	151.7	0.015	0.015	0	142.838	Not Full	No	8.862	-0.599
MH6	107.1	0.015	0.015	0	104.773	Not Full	No	2.327	3.42
MH60	159.4	0.015	0.015	0	154.773	Not Full	No	4.627	-0.394
MH61	134.8	0.015	0.015	0	129.837	Not Full	No	4.963	-0.33
MH62	116.22	0.015	0.015	0	110.39	Not Full	No	5.83	-0.277
MH63	109	0.015	0.015	0	103.428	Not Full	No	5.572	1.395
MH64	102.4	0.015	0.015	0	98.009	Not Full	No	4.391	-0.608
MH65	111	0.015	0.015	0	108.469	Not Full	Yes	2.531	2.462
MH66	114.75	0.015	0.015	0	107.854	Not Full	Yes	6.896	3.097
MH67	110.37	0.015	0.015	0	107.958	Not Full	No	2.412	-0.712
MH68	221.77	0.015	0.015	0	211.019	Not Full	No	10.751	-0.367
MH69	234.91	0.015	0.015	0	227.898	Not Full	No	7.012	-0.379
MH7	107.5	0.015	0.015	0	107.423	Not Full	No	0.077	4.2
MH70	257.1	0.015	0.015	0	251.717	Not Full	No	5.383	-0.4
MH71	278.14	0.015	0.015	0	273.669	Not Full	No	4.471	-0.388
MH73	110.76	0.015	0.015	0	97.759	Not Full	No	13.001	-1.051
MH74	108.38	0.015	0.015	0	96.546	Not Full	No	11.834	-1.134
MH75	97.1	0.015	0.015	0	93.424	Not Full	Yes	3.676	-0.726
MH76	95	0.015	0.015	0	92.438	Not Full	No	2.562	-1.192

ID	Rim	Base Flow (cfs)	Total Flow (cfs)	Storm	Grade (ft)	Status	Hydraulic Jump	Unfilled Depth (ft)	Surcharge Depth (ft)
	Elevation (ft)			Flow (cfs)					
MH9	115.92	0.015	0.015	0	109.455	Not Full	No	6.465	-0.611
SURVEYED	435.43	0.007	0.007	0	429.462	Not Full	No	5.968	-0.585
MH_W-1	116.28	0.015	0.015	0	110.238	Not Full	No	6.042	-0.508
MH-SE24-6B	567.42	0.007	0.007	0	563.485	Not Full	No	3.935	-0.431
MH	314.66	0.008	0.008	0	290.498	Not Full	No	24.162	-0.429

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Unpeakable Flow (cfs)	Peakable Flow (cfs)	Coverage Flow (cfs)	Infiltration Flow (cfs)	Storm Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Coverage Count	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
370	MH-SE24-2A	MH-SE24-2C	8	400.305	0.045	0.006	0.006	0	0	0	0	Free Surface	1.53	0.036	0.002	0.024	0.035	2.111	2.557	0	No	0.024	1.53
224	MH-NE24-4G	MH-NE24-1C	8	403.256	0.076	0.008	0.008	0	0	0	0	Free Surface	1.968	0.036	0.002	0.024	0.04	2.743	3.332	0	No	0.024	1.968
361	MH-SE13-4C	MH-SE13-6J	8	288.088	0.079	0.008	0.008	0	0	0	0	Free Surface	1.997	0.035	0.002	0.024	0.04	2.796	3.401	0	No	0.024	1.997
408	MH-SE24-4H	MH-SE24-4F	8	324.115	0.051	0.006	0.006	0	0	0	0	Free Surface	1.604	0.035	0.002	0.024	0.035	2.249	2.737	0	No	0.024	1.604
109	MH-NE30-1G	MH-NE30-3C	8	388.631	0.078	0.007	0.007	0	0	0	0	Free Surface	1.965	0.035	0.002	0.023	0.039	2.773	3.382	0	Yes	0.048	0.663
114	MH-NE30-4B	MH-NE30-4C	8	34.751	0.36	0.016	0.016	0	0	0	0	Free Surface	4.181	0.034	0.002	0.023	0.056	5.946	7.267	0	No	0.023	4.181
282	MH-SE24-2F	MH-SE24-4B	8	267.793	0.058	0.006	0.006	0	0	0	0	Free Surface	1.679	0.034	0.002	0.023	0.035	2.391	2.923	0	Yes	0.099	0.192
289	MH-SE24-4K	MH-SE24-4I	8	158.136	0.763	0.022	0.022	0	0	0	0	Free Surface	6.071	0.034	0.002	0.023	0.067	8.653	10.583	0	No	0.023	6.071
139	MH-SW19-5A	MH-SW19-5B	8	308.913	0.095	0.007	0.007	0	0	0	0	Free Surface	2.103	0.033	0.002	0.022	0.039	3.037	3.729	0	No	0.022	2.103
368	MH-NE24-6I	MH-NW19-5B	8	113.814	0.07	0.006	0.006	0	0	0	0	Free Surface	1.787	0.033	0.002	0.022	0.035	2.599	3.198	0	No	0.022	1.787
19	MH-NE24-6C	MH-NE24-6D	8	143.734	0.089	0.006	0.006	0	0	0	0	Free Surface	1.946	0.031	0.002	0.021	0.035	2.913	3.616	0	No	0.021	1.946
296	MH-SE24-3B	MH-SE24-4A	8	514.47	0.114	0.006	0.006	0	0	0	0	Free Surface	2.121	0.029	0.002	0.019	0.035	3.269	4.095	0	No	0.019	2.121
456	MH4	MH5	10	162.028	0.003	0.001	0.001	0	0	0	0	Pressurized	0.354	0.026	0.001	0.022	0.016	0.515	1.145	0	Yes	0.833	0.003
146	MH-SW19-6E	MH-SW19-6CA	8	380.415	0.062	0.003	0.003	0	0	0	0	Free Surface	1.37	0.024	0.001	0.016	0.024	2.332	3.011	0	No	0.016	1.37