APPENDIX E

SEWER INVENTORY

Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W2	4	4	3	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	5	5	4	275	0.417	8	*0.004*	0.500	0.00197	0.00719
W2	6	6	5	240	0.364	8	*0.004*	0.500	0.00172	0.00627
W2	7	7	6	175	0.265	8	*0.004*	0.500	0.00125	0.00458
W2	8	8	7	225	0.341	8	*0.004*	0.500	0.00161	0.00588
W2	9	9	6	188	0.285	8	*0.004*	0.500	0.00135	0.00492
W2	10	10	5	350	0.530	8	*0.004*	0.500	0.00251	0.00915
W2	11	11	4	350	0.530	8	*0.004*	0.500	0.00251	0.00915
W2	12	12	3	350	0.530	8	*0.004*	0.500	0.00251	0.00915
W2	13	13	2	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	14	14	13	180	0.273	8	*0.004*	0.500	0.00129	0.00471
W2	15	15	13	187	0.283	8	*0.004*	0.500	0.00134	0.00489
W2	16	16	15	390	0.591	8	*0.004*	0.500	0.00279	0.01020
W2	17	17	15	190	0.288	8	*0.004*	0.500	0.00136	0.00497
W2	18	18	2	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	19	19	18	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	CO	CO	19		0.000	6	*0.005*	0.260	0.00000	0.00000
W2	20	20	19	360	0.545	8	*0.004*	0.500	0.00258	0.00941
W2	21	21	18	310	0.470	8	*0.004*	0.500	0.00222	0.00811
W2	22	22	21	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	23	23	22	360	0.545	8	*0.004*	0.500	0.00258	0.00941
W2	24	24	23	180	0.273	8	*0.004*	0.500	0.00129	0.00471
W2	25	25	21	155	0.235	8	*0.004*	0.500	0.00111	0.00405
W2	26	26	25	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	27	27	25	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	28	28	27	230	0.348	8	*0.004*	0.500	0.00165	0.00601
W2	29	29	28	60	0.091	8	*0.004*	0.500	0.00043	0.00157
W2	30	30	29	210	0.318	8	*0.004*	0.500	0.00150	0.00549
W2	31	31	30	165	0.250	8	*0.004*	0.500	0.00118	0.00431
W2	32	32	25	140	0.212	8	*0.004*	0.500	0.00100	0.00366
W2	33	33	32	260	0.394	8	*0.004*	0.500	0.00186	0.00680

Note: Italics denote assumed value. Real value unknown.

Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W2	34	34	32	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	35	35	34	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	36	36	32	135	0.205	8	*0.004*	0.500	0.00097	0.00353
W2	37	37	36	75	0.114	8	*0.004*	0.500	0.00054	0.00196
W2	38	38	37	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	39	39	38	260	0.394	8	*0.004*	0.500	0.00186	0.00680
W2	40	40	39	85	0.129	8	*0.004*	0.500	0.00061	0.00222
W2	41	41	39	220	0.333	8	*0.004*	0.500	0.00158	0.00575
W3	2	2	1	56	0.106	10	*0.0028*	0.757	0.00313	0.01154
W3	3	3	2	245	0.464	10	*0.0028*	0.757	0.01369	0.05051
W3	4	4	3	260	0.492	10	*0.0028*	0.757	0.01453	0.05360
W3	5	5	4	245	0.464	10	*0.0028*	0.757	0.01369	0.05051
W3	6	6	5	315	0.597	10	*0.0028*	0.757	0.01761	0.06494
W3	7	7	6	315	0.597	10	*0.0028*	0.757	0.01761	0.06494
W3	8	8	5	355	0.538	8	*0.004*	0.500	0.01587	0.05855
W3	9	9	8	220	0.333	8	*0.004*	0.500	0.00984	0.03628
W3	10	10	4	300	0.455	8	*0.004*	0.500	0.01342	0.04948
W3	11	11	10	245	0.371	8	*0.004*	0.500	0.01096	0.04041
W3	12	12	11	410	0.621	8	*0.004*	0.500	0.01833	0.06762
W3	13	13	12	230	0.348	8	*0.004*	0.500	0.01029	0.03793
W3	14	14	4	295	0.447	8	*0.004*	0.500	0.01319	0.04865
W3	15	15	14	235	0.356	8	*0.004*	0.500	0.01051	0.03876
W3	16	16	3	265	0.402	8	*0.004*	0.500	0.01185	0.04370
W3	17	17	16	280	0.424	8	*0.004*	0.500	0.01252	0.04618
W3	18	18	17	330	0.500	8	*0.004*	0.500	0.01476	0.05442
W3	19	19	3	275	0.417	8	*0.004*	0.500	0.01230	0.04535
W3	20	20	19	190	0.288	8	*0.004*	0.500	0.00850	0.03134
W3	21	21	20	395	0.598	8	*0.004*	0.500	0.01766	0.06514
W3	22	22	2	310	0.470	8	*0.004*	0.500	0.01386	0.05113
W3	23	23	22	245	0.371	8	*0.004*	0.500	0.01096	0.04041
W3	24	24	2	355	0.672	10	*0.0028*	0.757	0.01984	0.07318

Note: Italics denote assumed value. Real value unknown.

Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W3	25	25	24	345	0.653	10	*0.0028*	0.757	0.01928	0.07112
W3	26	26	25	220	0.417	10	*0.0028*	0.757	0.01230	0.04535
W3	27	27	26	150	0.284	10	*0.0028*	0.757	0.00838	0.03092
W3	28	28	27	230	0.436	10	*0.0028*	0.757	0.01286	0.04742
W3	29	29	28	230	0.436	10	*0.0028*	0.757	0.01286	0.04742
W3	30	30	27	30	0.045	8	*0.004*	0.500	0.00134	0.00495
W3	31	31	30	320	0.485	8	*0.004*	0.500	0.01431	0.05278
W3	32	32	31	77	0.117	8	*0.004*	0.500	0.00344	0.01270
W3	33	33	32	190	0.288	8	*0.004*	0.500	0.00850	0.03134
W3	34	34	31	130	0.197	8	*0.004*	0.500	0.00581	0.02144
W4	2	2	1	140	0.398	15	*0.0015*	1.629	0.00147	0.00535
W4	2.1	2.1	2	31	0.047	8	*0.004*	0.500	0.00017	0.00063
W4	2.2	2.2	2.1	224	0.339	8	*0.004*	0.500	0.00125	0.00457
W4	2.3	2.3	2.2	203	0.308	8	*0.004*	0.500	0.00113	0.00414
W4	2.4	2.4	2.3	221	0.335	8	*0.004*	0.500	0.00123	0.00451
W4	2.5	2.5	2.4	403	0.611	8	*0.004*	0.500	0.00225	0.00822
W4	2.6	2.6	2.4	301	0.456	8	*0.004*	0.500	0.00168	0.00614
W4	2.7	2.7	2.2	130	0.197	8	*0.004*	0.500	0.00073	0.00265
W4	3	3	2	272	0.773	15	*0.0015*	1.629	0.00285	0.01040
W4	4	4	3	237	0.673	15	*0.0015*	1.629	0.00248	0.00906
W4	5	5	4	124	0.352	15	*0.0015*	1.629	0.00130	0.00474
W4	6	6	5	211	0.599	15	*0.0015*	1.629	0.00221	0.00807
W4	6.1	6.1	6	85	0.129	8	*0.004*	0.500	0.00047	0.00173
W4	6.2	6.2	6.1	77	0.117	8	*0.004*	0.500	0.00043	0.00157
W4	6.3	6.3	6.2	199	0.302	8	*0.004*	0.500	0.00111	0.00406
W4	CO	CO	6.3	447	0.677	8	*0.004*	0.500	0.00250	0.00912
W4	6.4	6.4	6.3	389	0.589	8	*0.004*	0.500	0.00217	0.00794
W4	6.5	6.5	6.4	307	0.465	8	*0.004*	0.500	0.00171	0.00626
W4	7	7	6	159	0.452	15	*0.0015*	1.629	0.00166	0.00608
W4	8	8	7	189	0.537	15	*0.0015*	1.629	0.00198	0.00723
W4	9	9	8	53	0.151	15	*0.0015*	1.629	0.00055	0.00203

Note: Italics denote assumed value. Real value unknown.

Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W4	10	10	9	405	1.151	15	*0.0015*	1.629	0.00424	0.01549
W4	11	11	10	50	0.142	15	*0.0015*	1.629	0.00052	0.00191
W4	12	12	11	382	1.085	15	*0.0015*	1.629	0.00400	0.01461
W4	13	13	12	410	1.165	15	*0.0015*	1.629	0.00429	0.01568
W4	14	14	13	415	1.179	15	*0.0015*	1.629	0.00434	0.01587
W4	15	15	14	408	1.159	15	*0.0015*	1.629	0.00427	0.01561
W4	16	16	15	300	0.682	12	*0.0022*	1.090	0.00251	0.00918
W4	17	17	16	289	0.657	12	*0.0022*	1.090	0.00242	0.00884
W4	18	18	17	260	0.591	12	*0.0022*	1.090	0.00218	0.00796
W4	19	19	18	481	1.093	12	*0.0022*	1.090	0.00403	0.01472
W4	20	20	19	351	0.798	12	*0.0022*	1.090	0.00294	0.01074
W4	21	21	20	322	0.732	12	*0.0022*	1.090	0.00270	0.00985
W4	22	22	21	158	0.359	12	*0.0022*	1.090	0.00132	0.00483
W4	23	23	22	190	0.432	12	*0.0022*	1.090	0.00159	0.00581
W4	23.1	23.1	23	324	0.491	8	0.004	0.500	0.00181	0.00661
W4	23.2	23.2	23.1	238	0.361	8	0.004	0.500	0.00133	0.00485
W4	24	24	23	280	0.636	12	*0.0022*	1.090	0.00234	0.00857
W4	25	25	24	482	1.095	12	*0.0022*	1.090	0.00404	0.01475
W4	25.1	25.1	25	220	0.333	8	0.0042	0.512	0.00123	0.00449
W4	25.2	25.2	25.1	215	0.326	8	0.0043	0.518	0.00120	0.00439
W4	26	26	25	59	0.134	12	*0.0022*	1.090	0.00049	0.00181
W4	27	27	26	103	0.234	12	*0.0022*	1.090	0.00086	0.00315
W4	28	28	19	500	0.758	8	*0.004*	0.500	0.00279	0.01020
W4	29	29	15	300	0.455	8	*0.004*	0.500	0.00167	0.00612
W4	30	30	29	253	0.383	8	*0.004*	0.500	0.00141	0.00516
W4	31	31	30	402	0.609	8	*0.004*	0.500	0.00224	0.00820
W4	32	32	31	245	0.371	8	*0.004*	0.500	0.00137	0.00500
W4	33	33	32	292	0.442	8	*0.004*	0.500	0.00163	0.00596
W4	33.1	33.1	33	299	0.453	8	0.012	0.865	0.00167	0.00610
W4	33.2	33.2	33.1	236	0.358	8	0.0042	0.512	0.00132	0.00481
W4	34	34	33	208	0.315	8	*0.004*	0.500	0.00116	0.00424

Note: Italics denote assumed value. Real value unknown.

Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W4	35	35	34	359	0.544	8	*0.004*	0.500	0.00200	0.00732
W4	36	36	35	130	0.197	8	*0.004*	0.500	0.00073	0.00265
W5	2	2	1	30	0.045	8	*0.004*	0.500	0.00058	0.00215
W5	3	3	2	145	0.220	8	*0.004*	0.500	0.00279	0.01040
W5	4	4	3	140	0.212	8	*0.004*	0.500	0.00269	0.01004
W5	5	5	4	377	0.571	8	*0.004*	0.500	0.00725	0.02704
W5	6	6	5	378	0.573	8	*0.004*	0.500	0.00727	0.02711
W5	7	7	6	387	0.586	8	*0.004*	0.500	0.00744	0.02775
W5	8	8	7	235	0.356	8	*0.004*	0.500	0.00452	0.01685
W5	8.1	8.1	8	270	0.409	8	*0.004*	0.500	0.00519	0.01936
W5	9	9	6	300	0.455	8	*0.004*	0.500	0.00577	0.02151
W5	10	10	9	300	0.455	8	*0.004*	0.500	0.00577	0.02151
W5	11	11	3	458	0.694	8	*0.004*	0.500	0.00880	0.03285
W5	12	12	11	466	0.706	8	*0.004*	0.500	0.00896	0.03342
W6	2	2	1	29	0.066	12	*0.0022*	1.090	0.00017	0.00062
W6	3	3	2	92	0.209	12	*0.0022*	1.090	0.00054	0.00196
W6	4	4	3	233	0.530	12	*0.0022*	1.090	0.00138	0.00496
W6	4.1	4.1	4	82	0.186	12	0.0022	1.090	0.00049	0.00175
W6	4.2	4.2	4.1	400	0.606	8	0.004	0.500	0.00158	0.00568
W6	4.3	4.3	4.2	199	0.302	8	0.004	0.500	0.00079	0.00283
W6	4.4	4.4	4.3	400	0.606	8	0.004	0.500	0.00158	0.00568
W6	4.5	4.5	4.4	260	0.394	8	0.004	0.500	0.00103	0.00369
W6	4.6	4.6	4.5	210	0.318	8	0.004	0.500	0.00083	0.00298
W6	4.7	4.7	4.4	115	0.174	8	0.004	0.500	0.00045	0.00163
W6	4.8	4.8	4.4	346	0.524	8	0.004	0.500	0.00136	0.00491
W6	5	5	4.1	151	0.343	12	*0.0022*	1.090	0.00089	0.00322
W6	6	6	5	152	0.345	12	*0.0022*	1.090	0.00090	0.00324
W6	6.1	6.1	6	323	0.734	12	0.0022	1.090	0.00191	0.00688
W6	6.2	6.2	6.1	127	0.192	8	0.0058	0.601	0.00050	0.00180
W6	6.3	6.3	6.2	254	0.385	8	0.0048	0.547	0.00100	0.00361
W6	6.4	6.4	6.3	232	0.352	8	0.004	0.500	0.00092	0.00329

Note: Italics denote assumed value. Real value unknown.

Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W6	6.5	6.5	6.4	234	0.355	8	0.004	0.500	0.00092	0.00332
W6	6.6	6.6	6.5	172	0.261	8	0.0048	0.547	0.00068	0.00244
W6	6.7	6.7	6.2	289	0.438	8	0.0048	0.547	0.00114	0.00410
W6	6.8	6.8	6.7	235	0.356	8	0.004	0.500	0.00093	0.00334
W6	6.9	6.9	6.8	253	0.383	8	0.0041	0.506	0.00100	0.00359
W6	6.10	6.10	6.7	113	0.171	8	0.0041	0.506	0.00045	0.00160
W6	6.11	6.11	6.10	152	0.230	8	0.004	0.500	0.00060	0.00216
W6	6.12	6.12	6.11	250	0.379	8	0.004	0.500	0.00099	0.00355
W6	6.13	6.13	6.11	34	0.052	8	0.004	0.500	0.00013	0.00048
W6	6.14	6.14	6.1	101	0.230	12	0.0022	1.090	0.00060	0.00215
W6	6.15	6.15	6.14	253	0.383	8	0.004	0.500	0.00100	0.00359
W6	6.16	6.16	6.15	141	0.214	8	0.004	0.500	0.00056	0.00200
W6	6.17	6.17	6.16	83	0.126	8	0.004	0.500	0.00033	0.00118
W6	6.18	6.18	6.16	187	0.283	8	0.004	0.500	0.00074	0.00266
W6	7	7	6.14	92	0.209	12	*0.0022*	1.090	0.00054	0.00196
W6	8	8	7	486	1.105	12	*0.0022*	1.090	0.00288	0.01035
W6	8.1	8.1	8	121	0.183	8	0.004	0.500	0.00048	0.00172
W6	8.2	8.2	8.1	322	0.488	8	0.004	0.500	0.00127	0.00457
W6	8.3	8.3	8.2	92	0.139	8	0.004	0.500	0.00036	0.00131
W6	8.4	8.4	8.3	49	0.074	8	0.003	0.433	0.00019	0.00070
W6	8.5	8.5	8.4	64	0.097	8	0.005	0.558	0.00025	0.00091
W6	8.6	8.6	8.5	23	0.035	8	0.007	0.661	0.00009	0.00033
W6	8.7	8.7	8.6	130	0.197	8	0.004	0.500	0.00051	0.00185
W6	8.8	8.8	8.7	80	0.121	8	0.004	0.500	0.00032	0.00114
W6	8.9	8.9	8.6	141	0.214	8	0.005	0.558	0.00056	0.00200
W6	8.10	8.10	8.9	140	0.212	8	0.004	0.500	0.00055	0.00199
W6	9	9	8	533	1.211	12	*0.0022*	1.090	0.00315	0.01135
W6	9.1	9.1	9	68	0.103	8	0.0063	0.627	0.00027	0.00097
W6	9.2	9.2	9.1	88	0.133	8	0.0045	0.530	0.00035	0.00125
W6	9.3	9.3	9.2	305	0.462	8	0.0042	0.512	0.00120	0.00433
W6	9.4	9.4	9.2	143	0.163	6	0.004	0.233	0.00042	0.00152

Note: Italics denote assumed value. Real value unknown.

Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W6	10	10	9	500	1.136	12	*0.0022*	1.090	0.00296	0.01065
W6	11	11	1	92	0.139	8	*0.004*	0.500	0.00036	0.00131
W6	12	12	11	202	0.306	8	*0.004*	0.500	0.00080	0.00287
W6	13	13	12	237	0.359	8	*0.004*	0.500	0.00093	0.00337
W6	14	14	13	115	0.174	8	*0.004*	0.500	0.00045	0.00163
W6	15	15	11	39	0.059	8	*0.004*	0.500	0.00015	0.00055
W6	16	16	15	42	0.064	8	*0.004*	0.500	0.00017	0.00060
W6	17	17	16	186	0.282	8	*0.004*	0.500	0.00073	0.00264
W6	18	18	17	152	0.230	8	*0.004*	0.500	0.00060	0.00216
W6	19	19	16	462	0.700	8	*0.004*	0.500	0.00182	0.00656
W6	20	20	19	317	0.480	8	*0.004*	0.500	0.00125	0.00450
W7	2	2	1	35	0.066	10	*0.0028*	0.757	0.00025	0.00092
W7	3	3	2	500	0.947	10	*0.0028*	0.757	0.00356	0.01308
W7	4	4	3	499	0.945	10	*0.0028*	0.757	0.00355	0.01305
W7	5	5	4	390	0.591	8	*0.004*	0.500	0.00222	0.00816
W7	5.2	5.2	L18	173	0.262	*8*	*0.004*	0.500	0.00099	0.00362
W7	5.3	5.3	5.2	144	0.218	*8*	0.004	0.500	0.00082	0.00301
W7	5.4	5.4	5.3	296	0.448	*8*	0.004	0.500	0.00169	0.00619
W7	6	6	5	284	0.430	8	*0.004*	0.500	0.00162	0.00594
W7	7	7	6	516	0.782	8	*0.004*	0.500	0.00294	0.01080
W7	8	8	7	82	0.124	8	*0.004*	0.500	0.00047	0.00172
W7	9	9	8	247	0.374	8	*0.004*	0.500	0.00141	0.00517
W7	10	10	9	252	0.382	8	*0.004*	0.500	0.00144	0.00527
W7	11	11	10	331	0.502	8	*0.004*	0.500	0.00189	0.00693
W7	11.1	11.1	11	133	0.202	8	*0.004*	0.500	0.00076	0.00278
W7	11.2	11.2	11.1	186	0.282	8	0.004	0.500	0.00106	0.00389
W7	11.3	11.3	11.2	222	0.336	8	0.004	0.500	0.00126	0.00464
W7	11.4	11.4	11.3	289	0.438	8	0.004	0.500	0.00165	0.00605
W7	11.5	11.5	11.4	76	0.115	8	0.004	0.500	0.00043	0.00159
W7	11.6	11.6	11.5	123	0.140	6	0.01	0.368	0.00053	0.00193
W7	11.7	11.7	11.3	140	0.212	8	0.004	0.500	0.00080	0.00293

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Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W7	11.8	11.8	11.7	154	0.233	8	0.004	0.500	0.00088	0.00322
W7	11.9	11.9	11.8	275	0.417	8	0.004	0.500	0.00157	0.00575
W7	11.10	11.10	11.9	340	0.515	8	0.004	0.500	0.00194	0.00711
W7	11.11	11.11	11.2	256	0.388	*8*	0.004	0.500	0.00146	0.00536
W7	11.12	11.12	11.8	327	0.495	8	0.006	0.612	0.00186	0.00684
W7	12	12	11	132	0.200	8	*0.004*	0.500	0.00075	0.00276
W7	12.1	12.1	12	134	0.203	8	0.004	0.500	0.00076	0.00280
W7	12.2	12.2	12.1	306	0.464	8	0.005	0.558	0.00174	0.00640
W7	13	13	12.1	290	0.439	8	*0.004*	0.500	0.00165	0.00607
W7	13.1	13.1	13	308	0.467	8	0.0062	0.622	0.00175	0.00644
W7	13.2	13.2	13.1	205	0.311	8	0.004	0.500	0.00117	0.00429
W7	13.3	13.3	13.2	374	0.567	8	0.004	0.500	0.00213	0.00783
W7	14	14	13.1	420	0.636	8	*0.004*	0.500	0.00239	0.00879
W7	15	15	6	310	0.470	8	*0.004*	0.500	0.00177	0.00649
W7	15.1	15.1	15	420	0.636	8	*0.004*	0.500	0.00239	0.00879
W7	15.2	15.2	15.1	273	0.414	8	0.004	0.500	0.00156	0.00571
W7	15.3	15.3	15.2	240	0.364	8	0.004	0.500	0.00137	0.00502
W7	15.4	15.4	15.3	100	0.114	6	0.01	0.368	0.00043	0.00157
W7	15.5	15.5	15.2	166	0.252	8	0.004	0.500	0.00095	0.00347
W7	15.6	15.6	15.5	18	0.027	8	0.004	0.500	0.00010	0.00038
W7	15.7	15.7	15.6	203	0.308	8	0.004	0.500	0.00116	0.00425
W7	15.8	15.8	15.7	327	0.495	8	*0.004*	0.500	0.00186	0.00684
W7	15.9	15.9	15.7	273	0.414	8	0.004	0.500	0.00156	0.00571
W7	16	16	15	160	0.242	8	*0.004*	0.500	0.00091	0.00335
W7	17	17	15.1	20	0.030	*8*	*0.004*	0.500	0.00011	0.00042
W7	18	18	5	400	0.606	8	*0.004*	0.500	0.00228	0.00837
W7	18.1	18.1	18	27	0.041	8	0.004	0.500	0.00015	0.00056
W7	18.2	18.2	18.1	300	0.455	8	0.004	0.500	0.00171	0.00628
W7	18.3	18.3	18.2	281	0.426	8	0.004	0.500	0.00160	0.00588
W7	18.4	18.4	18.3	63	0.095	8	0.004	0.500	0.00036	0.00132
W7	18.5	18.5	18.4	150	0.227	8	0.004	0.500	0.00085	0.00314

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Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W7	19	19	18	225	0.341	8	*0.004*	0.500	0.00128	0.00471
W7	19.1	19.1	19	112	0.170	8	0.004	0.500	0.00064	0.00234
W7	19.2	19.2	19.1	216	0.327	8	0.004	0.500	0.00123	0.00452
W7	19.3	19.3	19.2	115	0.174	8	0.004	0.500	0.00066	0.00241
W7	19.4	19.4	19.3	346	0.524	8	0.004	0.500	0.00197	0.00724
W7	19.5	19.5	19.1	41	0.062	8	0.0021	0.362	0.00023	0.00086
W7	19.6	19.6	19.5	244	0.370	8	0.0045	0.530	0.00139	0.00511
W7	19.7	19.7	19.6	77	0.117	8	0.004	0.500	0.00044	0.00161
W7	19.8	19.8	19.7	46	0.070	*8*	0.004	0.500	0.00026	0.00096
W7	19.9	19.9	19.8	200	0.303	8	0.004	0.500	0.00114	0.00418
W7	19.10	19.10	19.9	93	0.141	8	0.0048	0.547	0.00053	0.00195
W7	19.11	19.11	19.10	168	0.255	8	0.0034	0.461	0.00096	0.00352
W7	19.12	19.12	19.11	56	0.085	8	0.0029	0.425	0.00032	0.00117
W7	19.13	19.13	19.6	76	0.115	*8*	0.0041	0.506	0.00043	0.00159
W7	19.14	19.14	19.13	76	0.115	*8*	0.005	0.558	0.00043	0.00159
W7	19.15	19.15	19.14	116	0.176	*8*	0.0044	0.524	0.00066	0.00243
W7	19.16	19.16	19.15	83	0.126	*8*	0.004	0.500	0.00047	0.00174
W7	19.17	19.17	19.16	36	0.055	*8*	0.004	0.500	0.00021	0.00075
W7	19.18	19.18	19.17	79	0.120	*8*	0.0044	0.524	0.00045	0.00165
W7	19.19	19.19	19.13	188	0.285	8	0.004	0.500	0.00107	0.00393
W7	19.20	19.20	19.15	120	0.182	8	0.014	0.935	0.00068	0.00251
W7	20	20	19.5	385	0.583	8	*0.004*	0.500	0.00219	0.00806
W7	20.1	20.1	20	30	0.045	8	0.015	0.967	0.00017	0.00063
W7	20.2	20.2	20.1	79	0.120	8	0.004	0.500	0.00045	0.00165
W7	20.3	20.3	20.2	69	0.105	8	0.009	0.749	0.00039	0.00144
W7	20.4	20.4	20.3	100	0.152	8	0.012	0.865	0.00057	0.00209
W7	20.5	20.5	20	215	0.326	8	0.004	0.500	0.00122	0.00450
W7	20.5	20.5	20.1	81	0.123	8	0.02	1.117	0.00046	0.00169
W7	20.6	20.6	20.5	265	0.402	8	0.0047	0.541	0.00151	0.00554
W7	20.7	20.7	20.6	271	0.411	8	0.0064	0.632	0.00154	0.00567
W7	20.8	20.8	20.7	126	0.191	8	0.0064	0.632	0.00072	0.00264

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Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W7	20.9	20.9	20.9A	119	0.180	*8*	0.0046	0.536	0.00068	0.00249
W7	20.9A	20.9A	20.5	28	0.042	*8*	0.0046	0.536	0.00016	0.00059
W7	20.10	20.10	20.9	61	0.092	*8*	0.025	1.249	0.00035	0.00128
W7	20.11	20.11	20.5	246	0.373	8	0.004	0.500	0.00140	0.00515
W7	20.12	20.12	20.11	264	0.500	10	0.0028	0.757	0.00188	0.00690
W7	20.13	20.13	20.12	315	0.597	10	0.0029	0.770	0.00224	0.00824
W7	20.14	20.14	20.13	120	0.182	8	0.004	0.500	0.00068	0.00251
W7	20.15	20.15	20.12	345	0.653	10	0.0028	0.757	0.00246	0.00902
W7	20.16	20.16	20.13	159	0.301	10	0.0028	0.757	0.00113	0.00416
W7	20.17	20.17	20.11	300	0.455	8	0.0045	0.530	0.00171	0.00628
W7	20.18	20.18	20.17	152	0.230	8	0.0045	0.530	0.00087	0.00318
W7	20.19	20.19	20.18	229	0.347	8	0.004	0.500	0.00130	0.00479
W7	21	21	4	400	0.606	8	*0.004*	0.500	0.00228	0.00837
W7	21.1	21.1	21	220	0.333	8	0.004	0.500	0.00125	0.00460
W7	21.2	21.2	21.1	316	0.479	8	0.005	0.558	0.00180	0.00661
W7	21.3	21.3	21.2	198	0.300	8	0.02	1.117	0.00113	0.00414
W7	21.4	21.4	21.3	121	0.183	8	0.004	0.500	0.00069	0.00253
W7	21.5	21.5	21.2	200	0.303	8	0.005	0.558	0.00114	0.00418
W7	22	22	21.1	320	0.485	8	*0.004*	0.500	0.00182	0.00670
W7	22.1	22.1	22	145	0.220	8	0.004	0.500	0.00083	0.00303
W7	22.2	22.2	22.1	134	0.203	8	0.005	0.558	0.00076	0.00280
W7	22.3	22.3	22.2	159	0.241	8	0.004	0.500	0.00091	0.00333
W7	22.4	22.4	22.3	101	0.153	8	0.004	0.500	0.00058	0.00211
W7	22.5	22.5	22.2	115	0.174	8	0.004	0.500	0.00066	0.00241
W7	22.6	22.6	22.3	138	0.209	8	0.004	0.500	0.00079	0.00289
W7	23	23	22.1	304	0.461	8	*0.004*	0.500	0.00173	0.00636
W7	24	24	23	241	0.365	8	*0.004*	0.500	0.00137	0.00504
W7	24.1	24.1	24	282	0.427	8	0.004	0.500	0.00161	0.00590
W7	25	25	24	169	0.256	8	*0.004*	0.500	0.00096	0.00354
W7	26	26	25	172	0.261	8	*0.004*	0.500	0.00098	0.00360
W7	27	27	26	504	0.764	8	*0.004*	0.500	0.00287	0.01055

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Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W7	28	28	27	82	0.124	8	*0.004*	0.500	0.00047	0.00172
W7	29	29	28	167	0.253	8	*0.004*	0.500	0.00095	0.00349
W7	30	30	21	428	0.648	8	*0.004*	0.500	0.00244	0.00895
W7	31	31	30	152	0.230	8	*0.004*	0.500	0.00087	0.00318
W7	32	32	31	280	0.424	8	*0.004*	0.500	0.00160	0.00586
W7	33	33	32	228	0.345	8	*0.004*	0.500	0.00130	0.00477
W7	34	34	33	207	0.314	8	*0.004*	0.500	0.00118	0.00433
W7	35	35	34	83	0.126	8	*0.004*	0.500	0.00047	0.00174
W7	36	36	35	186	0.282	8	*0.004*	0.500	0.00106	0.00389
W7	37	37	31	285	0.432	8	*0.004*	0.500	0.00162	0.00596
W7	38	38	37	219	0.332	8	*0.004*	0.500	0.00125	0.00458
W7	39	39	31	377	0.571	8	*0.004*	0.500	0.00215	0.00789
W7	40	40	32	215	0.326	8	*0.004*	0.500	0.00122	0.00450
W7	41	41	2	429	0.650	8	*0.004*	0.500	0.00244	0.00898
W7	42	42	41	400	0.606	8	*0.004*	0.500	0.00228	0.00837
W7	43	43	42	400	0.606	8	*0.004*	0.500	0.00228	0.00837
W7	44	44	43	400	0.606	8	*0.004*	0.500	0.00228	0.00837
W7	45	45	44	59	0.089	8	0.004	0.500	0.00034	0.00123
W7	46	46	45	242	0.367	8	0.004	0.500	0.00138	0.00506
W7	46.1	46.1	46	136	0.206	8	0.0047	0.541	0.00077	0.00285
W7	46.2	46.2	46.1	288	0.436	8	0.004	0.500	0.00164	0.00603
W7	46.3	46.3	46.1	204	0.309	8	0.004	0.500	0.00116	0.00427
W7	47	47	46	93	0.141	8	0.0047	0.541	0.00053	0.00195
W7	48	48	47	60	0.091	8	0.0054	0.580	0.00034	0.00126
W7	48.1	48.1	48	180	0.273	8	0.0049	0.553	0.00103	0.00377
W7	49	49	48	195	0.295	8	0.004	0.500	0.00111	0.00408
W7	49.1	49.1	49	150	0.227	8	0.004	0.500	0.00085	0.00314
W7	END	END	49.1	38	0.058	8	0.004	0.500	0.00022	0.00080
W7	50	50	49	217	0.329	8	0.004	0.500	0.00124	0.00454
W7	50.1	50.1	50	79	0.120	8	0.004	0.500	0.00045	0.00165
W7	50.2	50.2	50	286	0.433	8	0.0049	0.553	0.00163	0.00598

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Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W7	50.3	50.3	50.2	85	0.129	8	0.004	0.500	0.00048	0.00178
W7	50.4	50.4	50.2	150	0.227	8	0.004	0.500	0.00085	0.00314
W7	51	51	50	204	0.309	8	0.0042	0.512	0.00116	0.00427
W7	51.1	51.1	51	79	0.120	8	0.004	0.500	0.00045	0.00165
W7	51.2	51.2	51	229	0.347	8	0.0096	0.774	0.00130	0.00479
W8	1.1	1.1	1	293	0.555	10	0.0032	0.809	0.00375	0.01406
W8	1.2	1.2	1.1	315	0.597	10	0.0033	0.822	0.00403	0.01512
W8	1.3	1.3	1.2	457	0.866	10	0.0032	0.809	0.00585	0.02193
W8	1.4	1.4	1.3	135	0.256	10	0.004	0.905	0.00173	0.00648
W8	1.5	1.5	1.4	400	0.758	10	0.003	0.783	0.00512	0.01919
W8	1.6	1.6	1.5	400	0.758	10	0.0033	0.822	0.00512	0.01919
W8	1.7	1.7	1.6	200	0.379	10	0.00365	0.864	0.00256	0.00960
W8	1.8	1.8	1.7	146	0.277	10	0.003	0.783	0.00187	0.00701
W8	1.9	1.9	1.8	277	0.525	10	0.003	0.783	0.00354	0.01329
W8	1.10	1.10	1.9	58	0.110	10	0.0028	0.757	0.00074	0.00278
W8	2	2	1	285	0.324	6	0.005	0.260	0.00219	0.00821
W8	3	3	2	350	0.398	6	0.005	0.260	0.00269	0.01008
W8	4	4	3	160	0.121	4	*0.0085*	0.115	0.00082	0.00307
W9	2	2	1	27	0.041	*8*	*0.004*	0.500	0.00047	0.00167
W9	3	3	2	249	0.377	*8*	*0.004*	0.500	0.00433	0.01545
W9	4	4	3	270	0.409	*8*	*0.004*	0.500	0.00469	0.01675
W9	5	5	4	260	0.394	*8*	*0.004*	0.500	0.00452	0.01613
W10	2	2	1	180	0.409	12	0.0022	1.090	0.00422	0.01557
W10	2.1	2.1	2	64	0.145	*12*	*0.0022*	1.090	0.00150	0.00554
W10	3	3	2	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	4	4	3	380	0.864	12	0.0022	1.090	0.00891	0.03287
W10	5	5	4	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	6	6	5	61	0.139	12	0.0022	1.090	0.00143	0.00528
W10	7	7	6	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	8	8	7	174	0.395	12	0.0022	1.090	0.00408	0.01505
W10	9	9	8	300	0.682	12	0.0022	1.090	0.00704	0.02595

Note: Italics denote assumed value. Real value unknown.

Basin No.	Line No.	Upstream MH No.	Downstream MH No.	Pipe Length (ft)	Sewer Pipe (in-mi)	Pipe Diameter (in)	Pipe Slope (ft/ft)	Maximum Flow (MGD)	Estimated Existing Flow (MGD)	Estimated 2023 Flow (MGD)
W10	10	10	9	290	0.659	12	0.0022	1.090	0.00680	0.02509
W10	11	11	10	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	12	12	11	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	13	13	12	305	0.693	12	0.0022	1.090	0.00716	0.02639
W10	14	14	13	306	0.695	12	0.0022	1.090	0.00718	0.02647
W10	15	15	14	305	0.693	12	0.0022	1.090	0.00716	0.02639
W10	15.1	15.1	15	250	0.568	12	0.00118	0.798	0.00587	0.02163
W10	15.2	15.2	15.1	276	0.627	12	0.0042	1.505	0.00648	0.02388
W10	15.3	15.3	15.2	190	0.432	12	0.00232	1.119	0.00446	0.01644
W10	15.4	15.4	15.3	208	0.473	12	0.00279	1.227	0.00488	0.01799
W10	16	16	15	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	17	17	16	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	18	18	17	231	0.525	12	0.0022	1.090	0.00542	0.01998
W10	19	19	18	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	20	20	19	300	0.682	12	0.0022	1.090	0.00704	0.02595
W10	21	21	20	200	0.455	12	0.0022	1.090	0.00469	0.01730
W10	22	22	18	220	0.500	12	0.0022	1.090	0.00516	0.01903
W10	23	23	22	180	0.409	12	0.0022	1.090	0.00422	0.01557
W11	2	2	1	195	0.295	8	*0.004*	0.500	0.01324	0.00473
W11	3	3	2	315	0.477	8	*0.004*	0.500	0.02138	0.00764
W11	4	4	3	315	0.477	8	*0.004*	0.500	0.02138	0.00764
OUTFALL	2A	2A	3	786	2.382	16	*0.0014*	1.800	1.21089	4.27054
OUTFALL	3	3	OUT	148	0.448	16	*0.0014*	1.800	1.21068	4.26977

Note: Italics denote assumed value. Real value unknown.