

Appendix G

Committed Model Results



J-U-B ENGINEERS, INC.

City of Richland - 2015 General Sewer Plan Update

Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
2	8747	Old Model	Old Model	JCT_MP-454	Record Drawings	Record Drawings	35	10	387.34	383.31	383.18	4.03	0.38%	0.001	0.26	0.04	0.48
4	8754	Old Model	Straight Grade	8753	Old Model	Record Drawings	357	15	375.00	366.19	362.00	8.81	1.17%	0.322	3.51	0.18	4.58
5	9018	AsBuilts	AsBuilts	9019	AsBuilts	AsBuilts	399	36	369.74	345.77	345.42	23.97	0.09%	11.013	5.05	0.59	2.41
9	8773	Old Model	Old Model	8780	Old Model	Old Model	373	10	373.50	363.50	360.13	10.00	0.90%	0.006	1.60	0.05	1.39
12	8780	Old Model	Old Model	8781	Old Model	Old Model	400	12	370.13	360.13	357.39	10.00	0.68%	0.024	1.24	0.32	2.12
21	6004	Old Model	Old Model	6003	Inv+10	Straight Grade	103	12	359.96	349.96	348.97	10.00	0.97%	0.015	1.03	0.06	2.44
69	8700	COR Sewer Map Book	COR Sewer Map Book	8699	Assumed	Straight Grade	31	12	374.20	360.24	359.86	13.96	1.24%	0.096	2.37	0.13	2.68
87	7878	COR Sewer Map Book	COR Sewer Map Book	7854	Old Model	Record Drawing	300	12	391.56	383.66	377.11	7.90	2.18%	0.023	1.38	0.06	3.66
115	7888	Old Model	Record Drawings	7890	Old Model	Record Drawings	512	12	389.79	380.25	379.25	9.54	0.20%	0.258	1.76	0.33	0.84
127	7792	Old Model	Record Drawing	7781	Old Model	Record Drawings	354	12	384.23	374.06	368.98	10.17	1.43%	0.050	1.38	0.09	2.94
128	7903	COR Sewer Map Book	COR Sewer Map Book	7792	Old Model	Record Drawing	297	12	383.70	375.55	374.06	8.15	0.50%	0.041	1.56	0.11	1.73
129	7901	Old Model	Record Drawing	7903	COR Sewer Map Book	COR Sewer Map Book	308	12	386.11	375.88	375.55	10.23	0.11%	0.029	0.77	0.14	0.79
130	7855	Old Model	Record Drawing	7901	Old Model	Record Drawing	239	12	386.95	376.63	375.88	10.32	0.31%	0.027	0.79	0.10	1.37
131	7854	Old Model	Record Drawing	7855	Old Model	Record Drawing	140	12	387.44	377.11	376.63	10.33	0.34%	0.025	1.03	0.09	1.44
148	6016	Record Drawing	Old Model	6015	Record Drawing	Old Model	522	42	362.42	348.73	348.26	13.69	0.09%	6.968	2.68	0.42	14.16
149	6008	AsBuilts	AsBuilts	6034	AsBuilts	AsBuilts	84	42	362.02	347.84	347.58	14.18	0.31%	6.970	2.40	0.45	32.32
150	6025	AsBuilts	AsBuilts	9018	AsBuilts	AsBuilts	391	42	369.20	346.15	345.77	23.05	0.10%	9.274	3.15	0.50	11.81
157	6115	Record Drawings	Record Drawings	JCT_MP-382			294	12	369.59	353.97	0.00	15.62	120.40%	0.465	2.78	0.39	0.99
170	6100	Record Drawings	Record Drawings	6089	Record Drawings	Record Drawings	604	12	409.60	398.18	396.01	11.42	0.36%	1.079	3.77	0.88	0.31
171	6095	Record Drawings	Record Drawings	6096	Record Drawings	Record Drawings	402	12	427.27	414.45	410.44	12.82	1.00%	0.863	4.18	0.41	1.61
173	6105	Record Drawings	Record Drawings	6106	Record Drawings	Record Drawings	399	12	444.86	426.92	425.05	17.94	0.47%	0.863	4.17	0.62	0.78
174	6060	Record Drawings	Record Drawings	6124	Record Drawings	Record Drawings	401	12	419.11	408.23	406.19	10.88	0.51%	0.001	0.06	0.02	1.73
175	6065	Old Model	Old Model	6070	Record Drawings	Record Drawings	359	21	377.10	367.10	366.54	10.00	0.16%	1.038	2.25	0.34	3.34
176	6074	Record Drawings	Record Drawings	6075	Record Drawings	Record Drawings	254	14	427.08	396.73	396.18	30.35	0.22%	1.684	3.88	0.78	-0.14
177	6076	Old Model	Old Model	6070	Record Drawings	Record Drawings	311	15	400.56	389.37	366.54	11.19	7.35%	1.148	2.22	0.82	-0.42
178	6080	Record Drawings	Record Drawings	6077	Record Drawings	Record Drawings	616	15	413.82	401.79	400.57	12.03	0.20%	0.937	2.32	0.49	0.99
180	6078	Record Drawings	Record Drawings	6080	Record Drawings	Record Drawings	420	12	417.00	402.85	401.79	14.15	0.25%	0.935	2.78	0.76	0.25



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Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
182	6051	Record Drawing	Old Model	6050	Record Drawing	Record Drawing	465	42	360.00	350.30	349.90	9.70	0.09%	6.799	2.83	0.41	13.87
185	6062	Old Model	Old Model	6064	Old Model	Old Model	516	21	375.40	365.40	364.38	10.00	0.20%	2.121	2.80	0.46	2.81
186	6077	Record Drawings	Record Drawings	6123	Record Drawings	Record Drawings	515	14	406.32	400.57	399.84	5.75	0.14%	0.953	2.16	0.66	0.38
187	6124	Record Drawings	Record Drawings	6944	Record Drawings	Record Drawings	338	12	415.27	406.19	404.55	9.08	0.49%	0.868	3.41	0.52	0.87
190	6089	Record Drawings	Record Drawings	6083	Record Drawings	Record Drawings	400	18	412.57	396.01	395.28	16.56	0.18%	1.274	2.59	0.51	1.60
191	6083	Record Drawings	Record Drawings	6081	Record Drawings	Record Drawings	352	18	417.70	395.28	394.47	22.42	0.23%	1.278	3.52	0.46	2.25
192	6081	Record Drawings	Record Drawings	6082	Record Drawings	Record Drawings	350	18	406.05	394.47	383.12	11.58	3.24%	1.282	7.70	0.25	11.95
193	6082	Record Drawings	Record Drawings	6084	Record Drawings	Record Drawings	479	18	391.72	383.12	371.41	8.60	2.44%	1.282	5.19	0.23	10.18
194	6084	Record Drawings	Record Drawings	6085	Record Drawings	Record Drawings	500	18	384.04	371.41	369.00	12.63	0.48%	1.294	3.92	0.36	3.74
195	6085	Record Drawings	Record Drawings	6086	Record Drawings	Record Drawings	508	18	381.52	369.00	366.50	12.52	0.49%	1.294	3.33	0.34	3.81
196	6086	Record Drawings	Record Drawings	6087	Record Drawings	Record Drawings	50	18	377.70	366.50	366.29	11.20	0.42%	1.295	2.98	0.44	2.86
197	6087	Record Drawings	Record Drawings	6121	Record Drawings	Record Drawings	502	18	377.54	366.29	363.84	11.25	0.49%	1.826	5.10	0.47	3.10
201	6169	Old Model	Old Model	6162	Record Dwg	Old Model	222	18	395.70	385.70	386.20	10.00	-0.23%	0.838	1.33	0.77	2.66
205	6150	Old Model	Old Model	6153	Old Model	Old Model	78	18	393.46	383.46	383.25	10.00	0.27%	0.802	2.37	0.34	3.02
216	6151	Old Model	Old Model	6200	Old Model	Old Model	206	18	393.05	383.05	382.43	10.00	0.30%	0.797	2.51	0.30	3.24
219	6863	Record Drawing	Record Drawing	6186	Old Model	Old Model	111	21	397.54	371.26	371.23	26.28	0.03%	1.033	2.02	0.41	0.79
224	6208	Benton Cnty Z - NGVD29	Default to Legacy	6207	Benton Cnty Z - NGVD29	Default to Legacy	310	12	445.00	436.36	435.68	8.64	0.22%	0.440	2.59	0.48	0.73
252	482	Old Model	Old Model	271	Old Model	Old Model	218	12	396.40	392.76	391.28	3.64	0.68%	0.211	2.10	0.22	1.84
253	464	Old Model	Old Model	456	Old Model	Old Model	272	12	401.00	389.40	388.71	11.60	0.25%	0.238	1.95	0.33	0.96
254	442	Old Model	Old Model	443	Old Model	Old Model	456	12	486.80	466.80	453.08	20.00	3.01%	1.108	5.69	0.35	3.22
256	305	Old Model	Old Model	304	Old Model	Old Model	398	12	405.70	384.72	383.74	20.98	0.25%	0.047	1.19	0.14	1.19
269	466	Old Model	Old Model	449	Old Model	Old Model	335	30	359.74	348.74	348.41	11.00	0.10%	4.983	2.95	0.56	4.04
272	332	Old Model	Old Model	366	Old Model	Old Model	416	21	457.00	444.42	443.85	12.58	0.14%	2.511	2.42	0.59	1.60
273	469	Old Model	Old Model	466	Old Model	Old Model	116	18	362.66	352.66	348.74	10.00	3.38%	0.737	6.70	0.18	10.94
274	471	Old Model	Old Model	469	Old Model	Old Model	396	15	363.58	353.58	352.66	10.00	0.23%	0.432	2.79	0.34	1.75
275	483	Old Model	Old Model	482	Old Model	Old Model	129	12	405.50	392.86	392.76	12.64	0.08%	0.210	1.59	0.40	0.48
276	285	Old Model	Old Model	303	Old Model	Old Model	130	12	393.89	383.89	382.80	10.00	0.84%	0.019	0.94	0.07	2.26
277	281	Old Model	Old Model	282	Old Model	Old Model	361	12	369.18	362.80	360.95	6.38	0.51%	0.073	1.57	0.14	1.71
284	1036	Old Model	Old Model	306	Old Model	Old Model	400	12	402.00	386.60	385.70	15.40	0.22%	0.047	1.17	0.22	1.19
295	342	Old Model	Old Model	396	Old Model	Old Model	206	12	426.33	416.33	397.63	10.00	9.06%	0.664	4.20	0.20	6.86
318	682	Old Model	Old Model	443	Old Model	Old Model	56	15	467.59	453.55	453.08	14.04	0.84%	1.325	4.16	0.45	2.81
327	301	Old Model	Old Model	474	Old Model	Old Model	367	12	400.50	394.00	352.30	6.50	11.35%	0.681	5.51	0.19	7.75
328	302	Old Model	Old Model	484	Old Model	Old Model	25	15	369.96	359.96	357.69	10.00	9.08%	0.008	0.12	0.02	13.65
378	286	Old Model	Old Model	405	Old Model	Old Model	17	12	370.01	360.01	359.15	10.00	5.09%	0.073	2.17	0.08	5.56
405	537	Default to Legacy	Default to Legacy	395	Old Model	Old Model	231	10	408.32	398.32	396.95	10.00	0.59%	0.017	0.17	0.08	1.17



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	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
412	538	Default to Legacy	Default to Legacy	537	Default to Legacy	Default to Legacy	154	10	408.67	398.67	398.32	10.00	0.23%	0.016	0.88	0.11	0.72
413	539	Default to Legacy	Default to Legacy	538	Default to Legacy	Default to Legacy	348	10	409.76	399.76	398.67	10.00	0.31%	0.015	0.79	0.09	0.84
469	592	Default to Legacy	Default to Legacy	643	Old Model	Old Model	315	10	533.82	527.21	525.95	6.61	0.40%	0.003	0.22	0.04	0.97
509	681	Old Model	Old Model	679	Old Model	Old Model	460	10	482.95	472.95	471.53	10.00	0.31%	0.600	2.66	0.66	0.25
510	693	Old Model	Old Model	684	Old Model	Old Model	448	12	477.42	467.42	454.77	10.00	2.83%	0.545	2.32	0.24	3.65
511	632	Old Model	Old Model	652	Old Model	Old Model	420	10	540.23	530.23	529.11	10.00	0.27%	0.007	0.64	0.07	0.79
515	649	Old Model	Old Model	640	Old Model	Old Model	422	10	534.71	524.71	523.56	10.00	0.27%	0.033	0.96	0.14	0.77
516	711	Old Model	Old Model	706	Old Model	Old Model	464	10	510.00	500.00	484.25	10.00	3.39%	0.183	5.05	0.18	2.64
517	646	Old Model	Old Model	644	Old Model	Old Model	424	10	531.27	521.27	520.17	10.00	0.26%	0.064	1.32	0.19	0.72
518	647	Old Model	Old Model	646	Old Model	Old Model	308	10	532.25	522.25	521.27	10.00	0.32%	0.063	1.37	0.18	0.80
519	648	Old Model	Old Model	647	Old Model	Old Model	138	10	532.64	522.64	522.25	10.00	0.28%	0.062	1.36	0.19	0.75
530	689	Default to Legacy	Default to Legacy	685	Default to Legacy	Default to Legacy	221	10	481.22	471.22	470.14	10.00	0.49%	0.013	1.02	0.08	1.06
531	685	Default to Legacy	Default to Legacy	688	Default to Legacy	Default to Legacy	267	10	481.40	470.14	467.72	11.26	0.91%	0.020	1.11	0.08	1.44
534	443	Old Model	Old Model	422	Old Model	Old Model	324	21	477.20	453.08	448.02	24.12	1.56%	2.428	4.29	0.28	11.44
535	440	Old Model	Old Model	442	Old Model	Old Model	228	12	481.19	469.33	466.80	11.86	1.11%	1.108	5.33	0.51	1.52
568	880	Old Model	Old Model	926	Old Model	Old Model	150	10	536.00	519.84	518.50	16.16	0.89%	0.063	2.27	0.15	1.39
583	441	Old Model	Old Model	440	Old Model	Old Model	201	12	483.46	473.46	469.33	10.00	2.05%	1.107	5.04	0.38	2.47
613	4075	Old Model	Old Model	4074	Old Model	Old Model	330	12	531.88	521.88	519.17	10.00	0.82%	0.285	3.01	0.24	1.98
614	4074	Old Model	Old Model	4073	Old Model	Old Model	384	12	529.17	519.17	515.05	10.00	1.07%	0.286	3.83	0.24	2.30
615	3953	Old Model	Old Model	4075	Old Model	Old Model	277	12	533.69	523.69	521.88	10.00	0.65%	0.284	2.85	0.26	1.73
697	4073	Old Model	Old Model	4072	Old Model	Old Model	332	12	525.05	515.05	503.09	10.00	3.60%	0.287	4.94	0.17	4.45
701	926	Old Model	Old Model	927	Old Model	Old Model	185	10	528.50	518.50	514.34	10.00	2.25%	0.063	2.53	0.11	2.24
702	927	Old Model	Old Model	916	Old Model	Old Model	127	10	524.34	514.34	512.08	10.00	1.79%	0.065	3.08	0.13	1.99
703	916	Old Model	Old Model	915	Old Model	Old Model	272	10	522.08	512.08	490.49	10.00	7.95%	0.068	3.70	0.09	4.26
705	915	Old Model	Old Model	914	Old Model	Old Model	317	10	500.49	490.49	481.50	10.00	2.83%	0.069	2.29	0.11	2.51
766	1040	Old Model	Old Model	1039	Old Model	Old Model	303	12	404.80	390.50	389.50	14.30	0.33%	0.025	1.12	0.09	1.32
820	1098	Old Model	Old Model	1101	Old Model	Old Model	355	12	403.60	395.70	395.61	7.90	0.03%	0.003	0.26	0.08	0.39
821	1101	Old Model	Old Model	1100	Old Model	Old Model	427	12	403.40	395.61	393.64	7.79	0.46%	0.004	0.50	0.04	1.69
822	1100	Old Model	Old Model	1099	Old Model	Old Model	425	12	406.20	393.64	392.60	12.56	0.24%	0.009	0.77	0.06	1.19
823	1042	Old Model	Old Model	1041	Old Model	Old Model	260	12	408.00	391.70	391.04	16.30	0.25%	0.022	0.85	0.09	1.24
832	1049	Old Model	Old Model	1047	Old Model	Old Model	388	10	357.48	347.48	345.97	10.00	0.39%	0.354	2.53	0.43	0.60
859	1048	Old Model	Old Model	1049	Old Model	Old Model	223	10	357.50	347.50	347.48	10.00	0.01%	0.342	1.54	0.78	-0.20
864	1047	Old Model	Old Model	1102	Old Model	Old Model	479	10	355.40	345.97	343.30	9.43	0.56%	0.379	3.39	0.43	0.77
866	1102	Old Model	Old Model	1104	Old Model	Old Model	312	10	348.40	343.30	336.50	5.10	2.18%	0.383	3.22	0.28	1.88
874	6353	Old Model	Old Model	6354	Old Model	Old Model	329	12	376.63	366.63	365.71	10.00	0.28%	0.177	2.04	0.27	1.14
884	7104	Old Model	Old Model	7235	Old Model	Old Model	178	10	403.16	393.16	392.74	10.00	0.24%	0.081	0.98	0.22	0.67
893	6313	Old Model	Old Model	6308	Inv+10	Record Drawings	262	10	403.60	393.60	386.28	10.00	2.80%	0.097	0.87	0.13	2.47
898	6303	Record Drawings	Record Drawings	6305	Record Drawings	Record Drawings	507	12	387.61	377.61	376.81	10.00	0.16%	0.537	2.07	0.58	0.45
907	6287	Old Model	Old Model	1197	Record Drawings	Record Drawings	638	54	341.92	331.92	330.42	10.00	0.23%	12.878	4.46	0.32	44.27
921	6346	Inv+10	Record Drawings	6333	COR Sewer Map Book	Straight Grade	48	10	360.16	350.16	349.97	10.00	0.39%	0.020	0.83	0.10	0.94



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	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
923	6336	AsBuilts	AsBuilts	6334	AsBuilts	Old Model	85	12	358.45	347.17	341.90	11.28	6.17%	0.165	3.73	0.14	3.65
929	6342	Inv+10	Record Drawings	6346	Inv+10	Record Drawings	293	10	361.33	351.33	350.16	10.00	0.40%	0.020	1.11	0.10	0.95
931	6339	COR Sewer Map Book	COR Sewer Map Book	6335	Old Model	Old Model	273	10	353.61	348.28	347.57	5.33	0.26%	0.113	2.04	0.28	0.61
943	6390	Old Model	Old Model	6389	Old Model	Old Model	303	12	353.82	343.82	342.96	10.00	0.28%	0.010	0.69	0.06	1.32
946	6288	Old Model	Old Model	6292	Record Drawings	Record Drawings	535	10	400.03	390.03	388.68	10.00	0.25%	0.125	1.60	0.27	0.65
947	6304	Old Model	Record Drawings	8929	Record Drawings	Record Drawings	741	12	386.42	376.42	342.65	10.00	4.55%	0.712	6.33	0.27	3.68
983	6423	Old Model	Old Model	6426	Old Model	Old Model	258	10	366.34	356.34	355.69	10.00	0.25%	0.056	1.01	0.18	0.71
992	6426	Old Model	Old Model	6425	Old Model	Old Model	273	12	365.69	355.69	355.22	10.00	0.17%	0.098	1.20	0.21	0.94
1133	6427	Old Model	Old Model	6422	Old Model	Old Model	183	10	367.61	357.61	356.84	10.00	0.42%	0.043	1.11	0.14	0.95
1134	6575	Inv+10	Min Slope	6427	Old Model	Old Model	213	10	368.21	358.21	357.61	10.00	0.28%	0.009	0.46	0.07	0.81
1135	6460	Inv+10	Min Slope	6427	Old Model	Old Model	294	10	368.43	358.43	357.61	10.00	0.28%	0.033	1.10	0.14	0.78
1138	6425	Old Model	Old Model	6429	Old Model	Old Model	394	12	365.22	355.22	354.69	10.00	0.13%	0.104	1.03	0.23	0.81
1139	6429	Old Model	Old Model	6446	Old Model	Old Model	403	12	364.69	354.69	354.40	10.00	0.07%	0.106	0.99	0.28	0.56
1151	6444	Old Model	Old Model	6686	Old Model	Old Model	371	12	362.87	352.87	352.32	10.00	0.15%	0.253	1.47	0.35	0.71
1154	6443	Old Model	Old Model	6576	Default to Legacy	Default to Legacy	231	12	363.47	353.47	353.12	10.00	0.15%	0.160	1.39	0.28	0.81
1155	6576	Default to Legacy	Default to Legacy	6444	Old Model	Old Model	165	12	363.12	353.12	352.87	10.00	0.15%	0.162	1.19	0.28	0.81
1156	6446	Old Model	Old Model	6534	Default to Legacy	Default to Legacy	230	12	364.40	354.40	353.87	10.00	0.23%	0.156	1.61	0.25	1.04
1162	6422	Old Model	Old Model	6423	Old Model	Old Model	262	10	366.84	356.84	356.34	10.00	0.19%	0.055	1.16	0.20	0.62
1167	6534	Default to Legacy	Default to Legacy	6443	Old Model	Old Model	176	12	363.87	353.87	353.47	10.00	0.23%	0.158	1.48	0.25	1.03
1278	6726	Default to Legacy	Default to Legacy	6692	Old Model	Old Model	237	12	361.41	351.41	351.05	10.00	0.15%	0.298	1.63	0.39	0.68
1280	6702	Old Model	Old Model	6726	Default to Legacy	Default to Legacy	50	12	361.48	351.48	351.41	10.00	0.14%	0.296	1.58	0.41	0.64
1281	6725	Default to Legacy	Default to Legacy	6702	Old Model	Old Model	134	12	361.69	351.69	351.48	10.00	0.16%	0.296	1.58	0.39	0.69
1287	6716	Default to Legacy	Default to Legacy	6684	Old Model	Old Model	143	12	362.11	352.11	351.90	10.00	0.15%	0.273	1.54	0.38	0.68
1288	6715	Default to Legacy	Default to Legacy	6716	Default to Legacy	Default to Legacy	113	12	362.28	352.28	352.11	10.00	0.15%	0.271	1.56	0.38	0.70
1289	6686	Old Model	Old Model	6715	Default to Legacy	Default to Legacy	29	12	362.32	352.32	352.28	10.00	0.14%	0.271	1.50	0.40	0.65
1294	7020	Record Drawings	Record Drawings	6623	Record Drawings	Record Drawings	424	54	355.19	335.39	335.22	19.80	0.04%	11.661	2.39	0.48	15.92
1295	6623	Record Drawings	Record Drawings	6626	Record Drawings	Record Drawings	210	54	355.52	335.22	335.11	20.30	0.05%	11.658	2.42	0.48	19.88
1296	6626	Record Drawings	Record Drawings	6610	Record Drawings	Record Drawings	512	54	355.61	335.11	334.82	20.50	0.06%	11.623	2.36	0.48	21.14
1300	6608	Record Drawings	Record Drawings	JCT_MP-348	Record Drawings	Straight Grade	216	54	355.09	334.84	334.73	20.25	0.05%	11.580	2.47	0.47	19.48
1301	6697	Record Drawings	Record Drawings	JCT_MP-350	Record Drawings	Straight Grade	539	54	357.40	334.30	334.16	23.10	0.03%	11.599	2.78	0.45	10.60



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
1302	6695	Old Model	Record Drawings	JCT_MP-350	Record Drawings	Straight Grade	17	12	360.56	350.14	334.16	10.42	96.57%	0.320	16.04	0.10	33.02
1303	6666	Record Drawings	Record Drawings	6665	Record Drawings	Record Drawings	415	12	356.70	344.83	344.23	11.87	0.14%	0.049	0.89	0.16	0.90
1305	6664	Record Drawings	Record Drawings	6666	Record Drawings	Record Drawings	368	12	357.80	345.63	344.83	12.17	0.22%	0.048	1.06	0.14	1.12
1306	6688	Record Drawings	Record Drawings	6664	Record Drawings	Record Drawings	452	12	357.60	346.25	345.63	11.35	0.14%	0.034	0.86	0.13	0.89
1307	6689	Record Drawings	Record Drawings	6688	Record Drawings	Record Drawings	386	12	357.30	347.02	346.25	10.28	0.20%	0.035	0.99	0.12	1.08
1317	6694	Old Model	Old Model	6695	Old Model	Record Drawings	205	12	360.86	350.86	350.14	10.00	0.35%	0.320	3.28	0.40	1.16
1321	6642	Inv+10	Record Drawings	6648	Inv+10	Record Drawings	446	10	393.03	383.03	381.86	10.00	0.26%	0.179	1.78	0.33	0.61
1387	6862	Record Drawing	Record Drawing	6863	Record Drawing	Record Drawing	113	10	397.21	374.79	371.26	22.42	3.13%	0.132	3.60	0.16	2.26
1389	6850	Record Drawing	Record Drawing	6851	Record Drawing	Record Drawing	222	10	399.76	379.96	378.88	19.80	0.49%	0.067	1.62	0.18	0.89
1390	6851	Record Drawing	Record Drawing	6852	Record Drawing	Record Drawing	238	10	394.93	378.88	377.88	16.05	0.42%	0.067	1.53	0.18	0.90
1391	6852	Record Drawing	Record Drawing	6853	Record Drawing	Record Drawing	242	10	394.17	377.88	376.88	16.29	0.41%	0.095	1.63	0.25	0.72
1392	6853	Record Drawing	Record Drawing	6860	Record Drawing	Record Drawing	246	10	396.23	376.88	376.11	19.35	0.31%	0.096	2.35	0.34	0.69
1393	6860	Record Drawing	Record Drawing	6861	Record Drawing	Record Drawing	136	10	398.56	376.11	375.45	22.45	0.48%	0.096	1.74	0.23	0.82
1395	6854	Record Drawing	Record Drawing	6850	Record Drawing	Record Drawing	222	10	404.17	381.32	379.96	22.85	0.61%	0.066	1.73	0.17	1.04
1396	6861	Record Drawing	Record Drawing	6862	Record Drawing	Record Drawing	194	10	399.57	375.45	374.79	24.12	0.34%	0.131	1.68	0.31	0.60
1445	1846	Default to Legacy	Default to Legacy	1845	Default to Legacy	Default to Legacy	256	10	509.94	506.59	506.02	3.35	0.22%	0.002	0.28	0.04	0.72
1447	1845	Default to Legacy	Default to Legacy	1847	Default to Legacy	Default to Legacy	398	10	516.48	506.02	503.51	10.46	0.63%	0.009	0.60	0.06	1.21
1448	1837	Default to Legacy	Default to Legacy	1836	Default to Legacy	Default to Legacy	192	10	513.22	507.03	506.74	6.19	0.15%	0.002	0.23	0.04	0.59
1449	1836	Default to Legacy	Default to Legacy	1835	Old Model	Old Model	332	10	514.46	506.74	505.56	7.72	0.36%	0.012	0.77	0.08	0.90
1476	7780	COR Sewer Map Book	COR Sewer Map Book	8703	COR Sewer Map Book	COR Sewer Map Book	433	12	385.48	368.48	367.46	17.00	0.24%	0.094	1.83	0.21	1.12
1488	7703	Old Model	Old Model	8783	Old Model	Old Model	134	12	377.67	367.67	359.54	10.00	6.07%	0.009	1.45	0.03	6.14
1515	6935	Inv+10	Straight Grade	8521	Record Drawings	Record Drawings	174	10	394.91	384.91	383.65	10.00	0.72%	0.021	1.79	0.10	1.29
1596	1199	Old Model	Old Model	1194	Old Model	Old Model	487	30	345.19	335.19	334.72	10.00	0.10%	4.230	3.05	0.51	4.69
1602	2122	Old Model	Old Model	2121	Old Model	Old Model	483	10	528.83	518.83	517.47	10.00	0.28%	0.015	0.22	0.09	0.80
1608	2156	Old Model	Old Model	2158	Old Model	Old Model	336	12	398.20	388.20	364.70	10.00	7.00%	1.348	10.02	0.31	5.26
1611	2189	Old Model	Old Model	2187	Old Model	Old Model	105	21	439.07	429.07	428.79	10.00	0.27%	0.697	2.23	0.24	5.04
1612	2195	Old Model	Old Model	2196	Old Model	Old Model	145	21	439.62	429.62	429.45	10.00	0.12%	0.697	1.93	0.30	3.10



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
1614	1193	Old Model	Record Drawings	1197	Record Drawings	Record Drawings	396	36	343.28	333.33	330.42	9.95	0.73%	15.263	5.97	0.81	5.59
1616	2153	Old Model	Old Model	2154	Old Model	Old Model	616	12	476.93	466.93	442.15	10.00	4.02%	1.348	9.53	0.39	3.66
1617	2155	Old Model	Old Model	2156	Old Model	Old Model	161	16	411.12	401.12	388.20	10.00	8.05%	1.348	9.38	0.20	13.92
1618	2162	Old Model	Old Model	2161	Old Model	Old Model	119	24	354.83	344.83	344.37	10.00	0.39%	2.155	3.92	0.36	7.70
1620	2161	Old Model	Old Model	2157	Old Model	Old Model	813	24	354.37	344.37	338.75	10.00	0.69%	2.155	3.79	0.27	11.02
1622	2159	Old Model	Old Model	2160	Old Model	Old Model	442	15	358.92	348.92	347.23	10.00	0.38%	1.348	4.03	0.54	1.45
1623	2158	Old Model	Old Model	2159	Old Model	Old Model	242	12	374.70	364.70	348.92	10.00	6.52%	1.348	5.38	0.31	5.03
1625	2183	Old Model	Old Model	2177	Old Model	Old Model	401	21	437.99	428.04	427.44	9.95	0.15%	0.696	1.75	0.27	3.60
1627	2157	Old Model	Old Model	2179	Old Model	Old Model	683	24	348.75	338.75	337.29	10.00	0.21%	2.154	3.04	0.37	5.17
1636	2129	Asbuilts - Check vs Old Model	Asbuilts	2131	Old Model	Old Model	392	15	526.20	514.30	512.00	11.90	0.59%	0.321	2.90	0.21	3.15
1641	2143	Old Model	Old Model	2182	Old Model	Old Model	394	16	459.78	430.34	429.79	29.44	0.14%	0.687	2.11	0.44	1.32
1685	4049	Old Model	Old Model	316	Old Model	Old Model	326	12	465.53	455.53	446.75	10.00	2.69%	0.058	2.99	0.09	4.04
1687	316	Old Model	Old Model	447	Old Model	Old Model	407	12	456.75	446.75	429.21	10.00	4.31%	0.063	3.53	0.08	5.12
1703	2201	Old Model	Old Model	2202	Asbuilts - Check vs Old Model	Asbuilts	598	16	533.47	523.47	521.60	10.00	0.31%	0.317	2.68	0.24	2.69
1704	2202	Asbuilts - Check vs Old Model	Asbuilts	2129	Asbuilts - Check vs Old Model	Asbuilts	310	15	533.00	521.60	514.30	11.40	2.35%	0.322	3.31	0.15	6.62
1723	2232	Old Model	Old Model	2231	Old Model	Old Model	551	12	507.78	498.33	497.03	9.45	0.24%	0.427	2.29	0.45	0.79
1725	2233	Old Model	Old Model	2232	Old Model	Old Model	600	12	513.46	499.81	498.33	13.65	0.25%	0.342	1.81	0.36	0.90
1726	2235	Old Model	Old Model	2234	Old Model	Old Model	430	12	518.06	502.22	500.63	15.84	0.37%	0.343	2.10	0.32	1.17
1729	2236	Old Model	Old Model	2235	Old Model	Old Model	493	12	517.69	502.79	502.22	14.90	0.12%	0.018	0.23	0.10	0.83
1730	2238	Old Model	Old Model	2237	Old Model	Old Model	329	12	515.30	504.90	503.98	10.40	0.28%	0.001	0.07	0.02	1.32
1732	2234	Old Model	Old Model	2233	Old Model	Old Model	398	12	516.03	500.63	499.81	15.40	0.21%	0.343	1.97	0.39	0.79
1733	2237	Old Model	Old Model	2236	Old Model	Old Model	528	12	516.34	503.98	502.79	12.36	0.23%	0.019	0.80	0.09	1.17
1778	2357	Default to Legacy	Default to Legacy	2320	Default to Legacy	Default to Legacy	58	10	516.40	509.25	508.02	7.15	2.13%	0.088	4.37	0.14	2.06
1780	2320	Default to Legacy	Default to Legacy	2321	Default to Legacy	Default to Legacy	167	10	515.07	508.02	507.26	7.05	0.46%	0.054	1.56	0.16	0.96
1781	2300	Default to Legacy	Default to Legacy	2299	Default to Legacy	Default to Legacy	185	10	513.91	505.34	504.57	8.57	0.42%	0.066	1.46	0.17	0.93
1794	2326	asbuilts	asbuilts	2322	asbuilts	asbuilts	329	10	517.33	509.12	508.08	8.21	0.32%	0.002	0.60	0.05	0.82
1795	2322	asbuilts	asbuilts	2321	Default to Legacy	Default to Legacy	169	10	515.84	508.08	507.26	7.76	0.48%	0.003	0.25	0.04	1.04
1804	2299	Default to Legacy	Default to Legacy	2294	Default to Legacy	Default to Legacy	236	10	514.72	504.57	503.85	10.15	0.31%	0.072	0.43	0.20	0.78
1805	2294	Default to Legacy	Default to Legacy	2293	Default to Legacy	Default to Legacy	235	10	514.69	503.85	504.21	10.84	-0.15%	0.072	0.37	0.77	0.53
1806	2293	Default to Legacy	Default to Legacy	2292	Default to Legacy	Default to Legacy	179	10	515.58	504.21	502.72	11.37	0.83%	0.303	2.47	0.32	1.10
1861	2359	Assumed	Straight Graded	2358	Assumed	Straight Graded	371	12	522.74	512.74	511.25	10.00	0.40%	0.006	0.41	0.04	1.57
1905	4743	Asbuilts	Straight Graded	2402	Inv+10	Straight Graded	412	12	680.93	550.86	541.79	130.07	2.20%	0.079	1.73	0.10	3.62



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
1916	7083	Record Drawings	Record Drawings	7034	Record Drawings	Record Drawings	362	54	353.20	337.61	337.64	15.59	-0.01%	11.129	2.23	0.51	1.40
1946	7057	Old Model	Old Model	7048	Old Model	Old Model	259	12	362.00	352.00	349.69	10.00	0.89%	0.257	2.81	0.22	2.10
1949	7033	Old Model	Old Model	7042	Record Drawings	Record Drawings	519	10	358.99	348.99	346.49	10.00	0.48%	0.015	1.00	0.10	0.86
1952	7335	Old Model	Old Model	7334	Old Model	Old Model	391	10	392.10	382.10	377.12	10.00	1.27%	0.010	1.10	0.05	1.72
1953	7064	Old Model	Old Model	7057	Old Model	Old Model	411	10	372.65	362.65	352.00	10.00	2.59%	0.243	3.74	0.21	2.23
1954	9005	Asbuilts	Asbuilts	7060	Old Model	Old Model	248	10	378.98	368.98	366.76	10.00	0.89%	0.231	3.47	0.30	1.22
1958	7035	Assumed	Old Model	7036	Assumed	Straight Grade	35	10	355.00	342.31	342.17	12.69	0.41%	0.027	1.62	0.13	0.95
1959	7039	COR Sewer Map Book	COR Sewer Map Book	JCT_MP-358	Record Drawings	Record Drawings	26	12	355.00	342.30	337.27	12.70	19.21%	0.015	1.75	0.05	3.73
1984	7071	Old Model	Old Model	7070	Record Drawings	Record Drawings	270	10	356.40	346.40	343.93	10.00	0.92%	0.084	2.16	0.17	1.30
2009	7012	Old Model	Straight Grade	7024	Inv+10	Record Drawings	250	12	357.83	347.50	346.95	10.33	0.22%	0.065	1.30	0.17	1.11
2020	7480	Old Model	Old Model	7053	Old Model	Old Model	217	10	362.08	352.08	352.00	10.00	0.04%	0.009	0.46	0.15	0.29
2021	7053	Old Model	Old Model	7054	Old Model	Old Model	257	10	362.00	352.00	350.60	10.00	0.54%	0.010	0.90	0.07	1.12
2022	7054	Old Model	Old Model	7033	Old Model	Old Model	384	10	360.60	350.60	348.99	10.00	0.42%	0.012	0.77	0.08	0.98
2031	7517	Record Drawings	Old Model	7089	Record Drawings	Record Drawings	357	54	357.40	338.27	338.12	19.13	0.04%	11.031	2.19	0.49	17.19
2032	7044	Old Model	Old Model	7043	Old Model	Old Model	178	12	354.48	344.48	342.98	10.00	0.84%	0.014	1.04	0.06	2.28
2033	7037	Old Model	Old Model	7044	Old Model	Old Model	320	12	355.66	345.66	344.48	10.00	0.37%	0.007	0.70	0.05	1.51
2044	7034	Record Drawings	Record Drawings	JCT_MP-356	Record Drawings	Record Drawings	251	54	354.20	337.64	337.46	16.56	0.07%	11.150	2.33	0.47	25.75
2045	JCT_MP-358	Record Drawings	Record Drawings	7040	Record Drawings	Record Drawings	13	54	355.20	337.27	337.16	17.93	0.87%	11.176	2.32	0.47	117.42
2046	7040	Record Drawings	Record Drawings	JCT_MP-400	Record Drawings	Record Drawings	60	54	355.32	337.16	337.21	18.16	-0.08%	11.175	2.38	0.48	28.46
2048	7005	Record Drawings	Record Drawings	6999	COR Sewer Map Book	COR Sewer Map Book	459	54	357.14	336.51	336.16	20.63	0.08%	11.484	2.54	0.44	26.53
2050	7045	COR Sewer Map Book	COR Sewer Map Book	7047	Record Drawings	Record Drawings	448	12	354.30	344.81	344.06	9.49	0.17%	0.420	1.90	0.46	0.60
2058	6991	Old Model	Old Model	6981	Old Model	Old Model	475	10	366.06	356.06	348.06	10.00	1.68%	0.027	1.86	0.08	1.96
2059	6959	Default to Legacy	Default to Legacy	6990	Old Model	Old Model	332	10	367.59	357.59	356.66	10.00	0.28%	0.026	1.17	0.14	0.79
2060	7007	Default to Legacy	Default to Legacy	6959	Default to Legacy	Default to Legacy	134	10	367.97	357.97	357.59	10.00	0.28%	0.019	0.78	0.10	0.80
2064	7073	Old Model	Old Model	7071	Old Model	Old Model	349	10	356.64	346.64	346.40	10.00	0.07%	0.082	1.04	0.38	0.32
2066	6981	Old Model	Old Model	7035	Assumed	Old Model	464	10	358.06	348.06	342.31	10.00	1.24%	0.028	1.29	0.09	1.68
2080	7067	Old Model	Old Model	9005	Asbuilts	Asbuilts	62	10	379.54	369.54	368.98	10.00	0.90%	0.229	2.77	0.27	1.23
2087	7098	Inv+10	Straight Grade	7097	Inv+10	Straight Grade	23	10	355.66	345.66	345.57	10.00	0.39%	0.108	1.67	0.25	0.84
2088	7099	Inv+10	Straight Grade	7098	Inv+10	Straight Grade	74	10	355.96	345.96	345.66	10.00	0.40%	0.108	1.71	0.23	0.87
2089	7097	Inv+10	Straight Grade	7096	Inv+10	Straight Grade	61	10	355.57	345.57	345.32	10.00	0.41%	0.108	1.78	0.23	0.87
2090	7096	Inv+10	Straight Grade	7045	COR Sewer Map Book	COR Sewer Map Book	128	10	355.32	345.32	344.81	10.00	0.40%	0.108	1.01	0.23	0.86
2111	7237	Old Model	Old Model	7234	Old Model	Old Model	290	10	405.00	395.00	394.30	10.00	0.24%	0.030	1.07	0.14	0.72
2207	7234	Old Model	Old Model	7235	Old Model	Old Model	422	10	404.30	394.30	392.74	10.00	0.37%	0.031	0.50	0.13	0.90
2208	7235	Old Model	Old Model	7236	Old Model	Old Model	325	10	402.74	392.74	392.37	10.00	0.11%	0.113	1.22	0.35	0.40
2209	7236	Old Model	Old Model	7131	Old Model	Old Model	436	10	402.37	392.37	391.33	10.00	0.24%	0.115	1.54	0.27	0.63



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
2210	7131	Old Model	Old Model	6288	Old Model	Old Model	512	10	401.33	391.33	390.03	10.00	0.25%	0.116	1.52	0.26	0.66
2217	7253	Inv+10	Record Drawings	7168	Inv+10	Record Drawings	45	12	399.89	389.89	389.78	10.00	0.25%	0.177	1.55	0.27	1.06
2218	7254	Inv+10	Record Drawings	7253	Inv+10	Record Drawings	175	12	400.35	390.35	389.89	10.00	0.26%	0.177	1.68	0.25	1.10
2241	7376	Old Model	Old Model	7375	Old Model	Old Model	346	10	395.50	385.50	378.88	10.00	1.91%	0.181	2.97	0.20	1.94
2323	7378	Straight Grade Survey	Inv+10	7376	Old Model	Old Model	260	10	396.07	386.07	385.50	10.00	0.22%	0.163	1.99	0.37	0.56
2387	7439		Survey	7441	Survey	Survey	332	18	356.50	345.35	344.82	11.15	0.16%	0.652	2.96	0.38	2.00
2397	7475	Old Model	Old Model	7431	Old Model	Old Model	170	10	363.31	353.31	352.56	10.00	0.44%	0.030	0.97	0.12	0.99
2406	7429	Record Drawings	Record Drawings	7440	Survey	Survey	56	10	358.30	343.19	342.67	15.11	0.93%	0.046	0.29	0.42	1.20
2409	7443	Old Model	Old Model	7427	Old Model	Record Drawings	174	10	355.50	346.60	346.07	8.90	0.30%	0.039	1.21	0.15	0.81
2430	7435	Old Model	Old Model	7436	Old Model	Old Model	295	10	361.29	351.29	350.40	10.00	0.30%	0.035	0.49	0.14	0.81
2431	7431	Old Model	Old Model	7432	Old Model	Old Model	485	10	362.56	352.56	351.73	10.00	0.17%	0.033	0.96	0.17	0.60
2444	7444	Old Model	Old Model	7465	Old Model	Old Model	271	10	378.80	368.64	367.73	10.16	0.34%	0.323	2.15	0.42	0.57
2448	7465	Old Model	Old Model	7466	Old Model	Old Model	7	12	377.73	367.73	367.70	10.00	0.44%	0.333	1.90	0.39	1.32
2472	7508	Old Model	Record Drawings	7394	Record Drawings	Old Model	37	10	354.67	344.71	338.68	9.96	16.22%	0.036	4.13	0.06	5.14
2473	7491	Old Model	Old Model	JCT_MP-404	Record Drawings	Record Drawings	34	10	353.72	343.72	338.45	10.00	15.56%	0.043	4.71	0.07	4.86
2483	7492	Record Drawings	Record Drawings	JCT_MP-404	Record Drawings	Record Drawings	27	54	358.80	338.47	338.45	20.33	0.07%	11.020	2.18	0.50	26.67
2484	7510	Old Model	Old Model	7491	Old Model	Old Model	168	10	354.92	344.92	343.72	10.00	0.71%	0.043	2.19	0.14	1.25
2485	7507	Old Model	Old Model	7510	Old Model	Old Model	257	10	355.42	345.42	344.92	10.00	0.19%	0.042	1.11	0.19	0.64
2486	7428	Record Drawings	Record Drawings	7395	Record Drawings	Record Drawings	330	18	358.20	342.87	342.46	15.33	0.12%	0.775	2.79	0.40	1.82
2494	7764	Old Model	Old Model	7504	Old Model	Old Model	458	10	359.35	349.35	347.30	10.00	0.45%	0.034	0.78	0.12	0.99
2495	7504	Old Model	Old Model	7505	Old Model	Old Model	529	10	357.30	347.30	346.92	10.00	0.07%	0.037	0.76	0.24	0.37
2496	7505	Old Model	Old Model	6930	Default to Legacy	Default to Legacy	367	10	356.92	346.92	346.13	10.00	0.22%	0.038	1.07	0.16	0.67
2497	7506	Old Model	Old Model	7507	Old Model	Old Model	224	10	355.92	345.92	345.42	10.00	0.22%	0.040	0.99	0.16	0.69
2498	7394	Record Drawings	Old Model	JCT_MP-360	Record Drawings	Record Drawings	326	54	355.20	338.68	338.57	16.52	0.03%	10.631	2.03	0.51	10.93
2499	7509	Record Drawings	Record Drawings	JCT_MP-360	Record Drawings	Record Drawings	44	10	357.50	344.50	338.57	13.00	13.34%	0.027	0.14	0.05	5.60
2501	7499	Old Model	Old Model	7509	Record Drawings	Record Drawings	201	10	355.06	345.06	344.50	10.00	0.28%	0.026	1.06	0.15	0.71
2502	7498	Old Model	Old Model	7499	Old Model	Old Model	85	10	355.34	345.34	345.06	10.00	0.33%	0.024	0.89	0.11	0.85
2503	7497	Old Model	Old Model	7498	Old Model	Old Model	69	10	355.56	345.56	345.34	10.00	0.32%	0.022	1.02	0.11	0.84
2504	7496	Old Model	Old Model	7497	Old Model	Old Model	89	10	355.85	345.85	345.56	10.00	0.32%	0.022	1.03	0.11	0.85
2505	7494	Old Model	Old Model	7496	Old Model	Old Model	217	10	356.49	346.49	345.85	10.00	0.29%	0.020	0.98	0.11	0.81
2508	7511	Old Model	Record Drawings	7508	Old Model	Record Drawings	93	10	354.98	344.92	344.71	10.06	0.23%	0.036	0.98	0.20	0.49
2509	7501	Old Model	Record Drawings	7511	Old Model	Record Drawings	84	10	355.02	345.07	344.92	9.95	0.18%	0.036	0.92	0.19	0.49
2510	7502	Old Model	Record Drawings	7501	Old Model	Record Drawings	158	10	355.27	345.31	345.07	9.96	0.15%	0.035	0.91	0.20	0.50



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
2513	7500	Old Model	Old Model	7502	Old Model	Record Drawings	349	10	355.76	345.79	345.31	9.97	0.14%	0.034	0.87	0.20	0.50
2514	7512	Old Model	Record Drawings	7500	Old Model	Old Model	377	10	356.31	346.31	345.79	10.00	0.14%	0.032	0.86	0.19	0.51
2515	7741	Old Model	Record Drawings	7512	Old Model	Record Drawings	414	10	356.85	346.85	346.31	10.00	0.13%	0.031	0.84	0.19	0.50
2519	7495	Old Model	Old Model	7494	Old Model	Old Model	248	10	357.14	347.14	346.49	10.00	0.26%	0.018	0.89	0.10	0.77
2520	7503	Old Model	Old Model	7495	Old Model	Old Model	155	10	358.50	348.50	347.14	10.00	0.88%	0.016	1.02	0.07	1.42
2526	7646	Record Drawings	Record Drawings	7396	Record Drawings	Record Drawings	427	54	353.50	339.14	339.00	14.36	0.03%	10.654	2.06	0.50	14.27
2529	7396	Record Drawings	Record Drawings	7487	Record Drawings	Record Drawings	496	54	353.20	339.00	338.85	14.20	0.03%	10.643	2.05	0.50	13.30
2530	7440	Survey	Survey	7428	Record Drawings	Record Drawings	100	18	357.32	342.67	342.87	14.65	-0.20%	0.715	1.37	0.58	2.57
2531	7426	Old Model	Record Drawings	7429	Record Drawings	Record Drawings	281	10	354.40	345.51	343.19	8.89	0.83%	0.042	1.24	0.17	0.72
2532	7442	Old Model	Record Drawings	7443	Old Model	Old Model	408	12	356.89	347.82	346.60	9.07	0.30%	0.039	1.13	0.12	1.33
2537	7436	Old Model	Old Model	7439	Survey	Survey	650	15	360.40	350.40	345.35	10.00	0.78%	0.571	2.44	0.26	3.40
2538	7437	Old Model	Old Model	7436	Old Model	Old Model	59	12	360.65	350.65	350.40	10.00	0.42%	0.537	2.99	0.45	1.09
2539	7432	Old Model	Old Model	7435	Old Model	Old Model	158	10	361.73	351.73	351.29	10.00	0.28%	0.033	1.11	0.14	0.78
2543	7662	Old Model	Old Model	7475	Old Model	Old Model	402	10	364.25	354.25	353.31	10.00	0.23%	0.029	1.06	0.15	0.71
2544	7477	Default to Legacy	Default to Legacy	7670	Default to Legacy	Default to Legacy	177	10	368.08	358.08	357.59	10.00	0.28%	0.009	0.75	0.07	0.80
2545	7476	Default to Legacy	Default to Legacy	7477	Default to Legacy	Default to Legacy	155	10	368.52	358.52	358.08	10.00	0.28%	0.007	0.67	0.07	0.81
2546	6913	Default to Legacy	Default to Legacy	7476	Default to Legacy	Default to Legacy	218	10	369.13	359.13	358.52	10.00	0.28%	0.005	0.55	0.06	0.81
2551	7424	Survey	Survey	7444	Old Model	Old Model	48	10	380.62	368.57	368.64	12.05	-0.15%	0.311	1.70	0.67	0.00
2553	7466	Old Model	Old Model	7453	GIS Base	Old Model	285	12	377.70	367.70	366.80	10.00	0.32%	0.339	2.66	0.36	1.06
2559	7468	Old Model	Old Model	7451	Old Model	Old Model	268	10	369.22	359.22	358.64	10.00	0.22%	0.178	1.80	0.38	0.54
2560	7451	Old Model	Old Model	7398	Old Model	Old Model	131	12	368.64	358.64	354.08	10.00	3.48%	0.527	5.38	0.23	4.13
2561	7455	Old Model	Old Model	6927	Default to Legacy	Default to Legacy	45	12	374.00	364.00	363.46	10.00	1.21%	0.348	3.45	0.26	2.40
2562	7453	GIS Base	Old Model	7455	Old Model	Old Model	212	12	381.00	366.80	364.00	14.20	1.32%	0.347	3.57	0.24	2.52
2569	7399	Old Model	Old Model	7437	Old Model	Old Model	301	12	361.16	351.16	350.65	10.00	0.17%	0.537	2.12	0.55	0.49
2570	7452	Old Model	Old Model	7399	Old Model	Old Model	50	12	362.00	352.00	351.16	10.00	1.67%	0.530	2.68	0.27	2.70
2571	7398	Old Model	Old Model	7452	Old Model	Old Model	105	12	364.08	354.08	352.00	10.00	1.98%	0.529	4.76	0.27	2.98
2584	7420	Old Model	Old Model	6926	Survey	Survey	148	10	381.49	371.43	370.62	10.06	0.55%	0.280	2.76	0.37	0.82
2585	6926	Survey	Survey	7414	Survey	Survey	152	10	381.67	370.62	369.73	11.05	0.59%	0.281	2.73	0.35	0.86
2586	7414	Survey	Survey	7424	Survey	Survey	264	10	381.38	369.73	368.57	11.65	0.44%	0.301	1.61	0.37	0.72
2635	7530	Straight Grade	Inv+10	7532	Straight Grade	Inv+10	82	12	402.52	392.52	392.34	10.00	0.21%	0.014	0.73	0.08	1.14
2639	7528	Straight Grade	Inv+10	7530	Straight Grade	Inv+10	285	12	403.15	393.15	392.52	10.00	0.22%	0.014	0.77	0.08	1.16
2647	7570	Inv+10	Straight Grade	7568	Inv+10	Straight Grade	276	12	390.53	380.53	379.92	10.00	0.22%	0.014	0.62	0.08	1.16
2648	7572	Inv+10	Straight Grade	7567	Inv+10	Straight Grade	136	12	392.05	382.05	381.76	10.00	0.21%	0.001	0.17	0.03	1.15
2757	7702	Old Model	Old Model	7697	Old Model	Old Model	168	12	365.07	355.07	354.29	10.00	0.46%	0.016	0.91	0.07	1.68
2775	6911	Inv+10	Straight Grade	7730	Inv+10	Straight Grade	74	10	375.30	365.30	365.09	10.00	0.29%	0.140	1.48	0.28	0.69
2780	7666	Old Model	Old Model	7669	Record Drawings	Record Drawings	252	10	358.67	348.67	344.69	10.00	1.58%	0.018	1.03	0.11	0.84



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
2817	7742	Old Model	Record Drawings	7741	Old Model	Record Drawings	196	10	357.17	347.15	346.85	10.02	0.15%	0.028	0.83	0.17	0.52
2819	7740	Old Model	Record Drawings	7742	Old Model	Record Drawings	190	10	358.59	347.44	347.15	11.15	0.15%	0.027	0.85	0.18	0.52
2821	7739	Old Model	Record Drawings	7740	Old Model	Record Drawings	109	10	358.60	347.60	347.44	11.00	0.15%	0.027	0.81	0.18	0.46
2824	7751	Old Model	Record Drawings	7739	Old Model	Record Drawings	275	10	358.62	348.07	347.60	10.55	0.17%	0.026	0.86	0.18	0.54
2831	7750	Old Model	Record Drawings	7751	Old Model	Record Drawings	414	10	358.66	348.65	348.07	10.01	0.14%	0.019	1.11	0.20	0.50
2832	7758	Old Model	Old Model	7748	Old Model	Record Drawings	498	10	360.46	350.46	348.79	10.00	0.34%	0.016	1.01	0.10	0.85
2837	JCT_MP-370	Record Drawings	Record Drawings	JCT_MP-368	Record Drawings	Record Drawings	189	54	361.00	339.72	339.65	21.28	0.04%	10.739	2.03	0.51	15.79
2849	7697	Old Model	Old Model	7698	Old Model	Old Model	388	15	364.29	354.29	353.53	10.00	0.20%	0.018	0.60	0.07	1.98
2850	7698	Old Model	Old Model	7681	Old Model	Old Model	291	15	363.53	353.53	353.24	10.00	0.10%	0.023	0.67	0.09	1.41
2855	7660	Record Drawings	Record Drawings	7659	Record Drawings	Record Drawings	144	10	353.48	344.11	343.56	9.37	0.38%	0.045	2.70	0.17	0.81
2856	7667	Record Drawings	Record Drawings	7660	Record Drawings	Record Drawings	155	10	353.00	344.60	344.11	8.40	0.32%	0.024	1.76	0.16	0.75
2860	7663	Old Model	Old Model	7664	Old Model	Old Model	325	15	361.80	351.80	351.08	10.00	0.22%	0.039	1.04	0.10	2.09
2861	7681	Old Model	Old Model	7676	Old Model	Old Model	294	15	363.24	353.24	352.52	10.00	0.24%	0.028	0.93	0.08	2.21
2862	7670	Default to Legacy	Default to Legacy	6914	Default to Legacy	Default to Legacy	60	10	367.59	357.59	357.42	10.00	0.28%	0.010	0.62	0.08	0.81
2864	7674	Old Model	Old Model	7662	Old Model	Old Model	484	10	364.92	354.92	354.25	10.00	0.14%	0.027	0.82	0.15	0.54
2865	7673	Old Model	Old Model	7674	Old Model	Old Model	173	10	366.00	356.00	354.92	10.00	0.62%	0.022	0.90	0.09	1.19
2866	6914	Default to Legacy	Default to Legacy	7673	Old Model	Old Model	508	10	367.42	357.42	356.00	10.00	0.28%	0.017	0.95	0.10	0.79
2874	8783	Old Model	Old Model	7649	Old Model	Old Model	155	12	369.54	359.54	357.07	10.00	1.59%	0.013	1.43	0.05	3.14
2884	7692	Inv+10	Straight Grade	7691	Inv+10	Straight Grade	31	10	377.56	367.56	367.47	10.00	0.29%	0.008	0.16	0.17	0.82
2886	7691	Inv+10	Straight Grade	7654	Inv+10	Straight Grade	441	10	377.47	367.47	366.24	10.00	0.28%	0.134	1.66	0.27	0.68
2887	7654	Inv+10	Straight Grade	6911	Inv+10	Straight Grade	335	10	376.24	366.24	365.30	10.00	0.28%	0.139	1.71	0.28	0.67
2923	7732	Old Model	Old Model	7469	Old Model	Old Model	660	10	374.78	364.78	360.00	10.00	0.72%	0.169	3.27	0.27	1.14
2930	7891	Old Model	Record Drawings	7897	Old Model	Old Model	476	12	387.75	378.35	377.35	9.40	0.21%	0.290	1.85	0.35	0.85
2931	8733	Record Dwg	Straight Grade	8734	Record Dwg	Straight Grade	360	12	392.10	378.01	377.22	14.09	0.22%	0.047	1.13	0.14	1.12
2932	7776	Old Model	Old Model	7777	COR Survey	COR Survey	405	12	395.31	385.31	382.76	10.00	0.63%	0.009	0.75	0.07	1.19
2935	8699	Assumed	Straight Grade	8017	Old Model	COR Sewer Map Book	396	12	374.20	359.86	355.00	14.34	1.23%	0.113	2.60	0.14	2.65
2937	7795	Old Model	Old Model	7783	Record Drawings	Record Drawings	348	12	389.62	385.49	384.54	4.13	0.27%	0.003	0.46	0.03	1.30
2960	8093	Inv+10	From COR - SSA	7909	Record Drawings	From COR - SSA	275	24	359.41	349.41	349.00	10.00	0.15%	0.518	2.06	0.22	5.60
2961	8096	Old Model	Old Model	8079	Old Model	Old Model	186	12	364.36	354.36	353.23	10.00	0.60%	0.051	1.10	0.11	1.89
2962	8057	Old Model	Old Model	7908	Record Drawings	Record Drawings	82	10	361.84	351.84	350.00	10.00	2.24%	0.060	2.35	0.13	1.74
2969	7914	Record Drawings	Record Drawings	7915	Old Model	Old Model	589	54	357.00	340.61	340.45	16.39	0.03%	10.990	1.99	0.53	11.71



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
2970	7909	Record Drawings	From COR - SSA	JCT_MP-450	Assumed	Record Drawings	18	24	360.00	349.00	346.75	11.00	12.28%	0.517	3.35	0.14	17.98
2972	7968	From COR - SSA	From COR - SSA	7967	Record Drawings	Record Drawings	25	24	357.16	350.16	342.77	7.00	29.76%	2.058	14.18	0.14	79.47
2977	8133	Survey	Survey	8007	Survey	Survey	323	10	362.71	353.77	353.07	8.94	0.22%	0.048	0.95	0.18	0.67
2978	8011	Survey	Survey	7968	From COR - SSA	From COR - SSA	280	24	357.66	350.51	350.16	7.15	0.12%	2.046	4.12	0.51	4.51
2980	8013	Record Drawings	Record Drawings	8014	COR Sewer Map Book	Record Drawings	455	15	357.60	351.89	351.78	5.71	0.02%	0.362	1.38	0.50	0.34
2984	8756	Old Model	Old Model	8028	Old Model	Old Model	264	10	358.83	348.83	347.46	10.00	0.52%	0.053	1.34	0.15	1.05
2986	8762	Old Model	Record Drawings	8030	Old Model	Straight Grade	341	15	363.41	354.08	353.57	9.33	0.15%	0.351	1.63	0.30	1.40
2988	7911	Survey	Survey	7923	Survey	Survey	42	18	356.10	349.68	349.73	6.42	-0.12%	0.719	1.77	0.44	1.81
2990	8099	Survey	Survey	7913	Survey	Survey	23	42	354.64	341.34	341.16	13.30	0.80%	9.537	2.42	0.59	53.32
2995	7959	Old Model	Old Model	JCT_MP-372	Record Drawings	Record Drawings	237	54	364.10	339.89	339.82	24.21	0.03%	10.853	1.99	0.53	12.83
2999	7910	Record Drawings	Record Drawings	7911	Survey	Survey	746	12	358.10	351.30	349.68	6.80	0.22%	0.546	3.03	0.79	0.41
3002	8080	From COR - SSA	From COR - SSA	8093	Inv+10	From COR - SSA	373	24	359.46	349.76	349.41	9.70	0.09%	0.515	1.53	0.23	4.34
3006	8086	From COR - SSA	From COR - SSA	8087	From COR - SSA	From COR - SSA	185	24	358.61	350.61	350.47	8.00	0.08%	0.466	1.55	0.23	3.89
3014	8006	Survey	Survey	8011	Survey	Survey	350	10	357.40	352.19	350.51	5.21	0.48%	0.070	2.09	0.24	0.63
3015	8150	From COR - SSA	From COR - SSA	8011	Survey	Survey	305	24	359.21	350.61	350.51	8.60	0.03%	1.908	1.74	0.55	0.96
3016	8007	Survey	Survey	8006	Survey	Survey	337	10	360.00	353.07	352.19	6.93	0.26%	0.055	1.37	0.23	0.73
3032	8036	Old Model	Old Model	8042	Old Model	Old Model	242	10	364.06	354.06	353.55	10.00	0.21%	0.044	1.10	0.17	0.66
3033	8042	Old Model	Old Model	8043	Old Model	Old Model	191	10	363.55	353.55	353.15	10.00	0.21%	0.046	1.04	0.17	0.66
3034	8043	Old Model	Old Model	8047	Old Model	Old Model	177	10	363.15	353.15	352.79	10.00	0.20%	0.047	1.17	0.19	0.65
3035	8047	Old Model	Old Model	8045	Old Model	Old Model	61	10	362.79	352.79	352.54	10.00	0.41%	0.047	1.04	0.15	0.94
3036	8045	Old Model	Old Model	8057	Old Model	Old Model	364	10	362.54	352.54	351.84	10.00	0.19%	0.060	1.36	0.24	0.61
3037	7935	Record Drawings	Record Drawings	JCT_MP-374	Record Drawings	Record Drawings	490	54	362.10	340.09	339.92	22.01	0.03%	10.878	1.98	0.52	14.76
3044	6899	Default to Legacy	Default to Legacy	7758	Old Model	Old Model	427	10	362.31	352.31	350.46	10.00	0.43%	0.013	0.82	0.08	1.00
3045	8061	Old Model	Old Model	6899	Default to Legacy	Default to Legacy	34	10	362.46	352.46	352.31	10.00	0.44%	0.011	0.91	0.07	1.01
3060	7916	Record Drawings	Record Drawings	7935	Record Drawings	Record Drawings	593	54	361.00	340.29	340.09	20.71	0.03%	10.997	2.04	0.52	14.29
3061	7915	Old Model	Old Model	JCT_MP-376	Record Drawings	Record Drawings	35	54	359.90	340.45	340.44	19.45	0.03%	10.814	1.97	0.53	12.35
3062	8094	Old Model	Old Model	7989	Old Model	Record Drawings	222	12	361.01	351.01	350.65	10.00	0.16%	0.072	1.13	0.23	0.79
3065	8089	Old Model	Old Model	8088	Old Model	Old Model	291	12	362.04	352.04	352.09	10.00	-0.02%	0.069	0.62	0.35	0.25
3066	8078	Old Model	Old Model	8089	Old Model	Old Model	317	12	362.37	352.37	352.04	10.00	0.10%	0.067	0.61	0.20	0.74
3067	8092	Old Model	Old Model	8094	Old Model	Old Model	158	12	361.92	351.92	351.01	10.00	0.57%	0.069	1.11	0.13	1.82
3069	8081	From COR - SSA	From COR - SSA	8080	From COR - SSA	From COR - SSA	287	24	357.86	349.80	349.76	8.06	0.01%	0.510	1.23	0.29	1.36



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
3070	8082	From COR - SSA	From COR - SSA	8081	From COR - SSA	From COR - SSA	320	24	356.14	349.89	349.80	6.25	0.03%	0.500	1.01	0.30	2.16
3071	8087	From COR - SSA	From COR - SSA	8082	From COR - SSA	From COR - SSA	340	24	357.32	350.47	349.89	6.85	0.17%	0.477	1.28	0.18	6.07
3072	8074	Old Model	Old Model	8078	Old Model	Old Model	368	12	362.84	352.84	352.37	10.00	0.13%	0.058	0.91	0.17	0.83
3073	8079	Old Model	Old Model	8074	Old Model	Old Model	374	12	363.23	353.23	352.84	10.00	0.11%	0.056	0.92	0.18	0.76
3079	7989	Old Model	Record Drawings	JCT_MP-380	Record Drawings	Record Drawings	36	12	360.78	350.65	340.30	10.13	28.53%	0.072	7.15	0.06	12.25
3080	7979	Inv+10	Straight Grade	7985	Old Model	Record Drawings	198	10	362.23	352.23	351.65	10.00	0.29%	0.058	1.33	0.21	0.67
3086	8012	Old Model	Old Model	8010	Old Model	Old Model	292	10	364.49	354.49	353.30	10.00	0.41%	0.054	1.18	0.16	0.93
3091	7967	Record Drawings	Record Drawings	7966	Record Drawings	Record Drawings	103	30	357.50	342.77	342.64	14.73	0.13%	2.059	2.23	0.34	8.12
3092	8009	Old Model	Old Model	8011	Survey	Survey	312	10	361.45	351.45	350.51	10.00	0.30%	0.100	0.91	0.50	-0.01
3093	8008	Old Model	Old Model	8009	Old Model	Old Model	285	10	362.36	352.36	351.45	10.00	0.32%	0.092	0.82	0.22	0.77
3095	7965	Record Drawings	Record Drawings	7964	Record Drawings	Record Drawings	224	30	358.80	342.39	342.14	16.41	0.11%	2.086	2.25	0.34	7.51
3096	7964	Record Drawings	Record Drawings	7914	Record Drawings	Record Drawings	524	30	358.50	342.14	340.61	16.36	0.29%	2.573	3.63	0.39	7.46
3097	7912	Survey	Survey	7914	Record Drawings	Record Drawings	292	42	352.53	341.13	340.61	11.40	0.18%	9.494	3.48	0.57	22.72
3099	7913	Survey	Survey	JCT_MP-364	Record Drawings	Straight Grade	267	42	354.46	341.16	341.16	13.30	0.00%	9.477	2.51	0.63	7.22
3107	7923	Survey	Survey	7922	Survey	Survey	258	18	356.36	349.73	349.01	6.63	0.28%	0.695	2.38	0.35	2.45
3108	8005	Survey	Survey	7911	Survey	Survey	88	15	357.36	349.96	349.68	7.40	0.32%	0.402	1.38	0.33	2.15
3112	8002	Old Model	Record Drawing	8005	Survey	Survey	400	15	360.01	350.20	349.96	9.81	0.06%	0.402	1.49	0.45	0.71
3142	8017	Old Model	COR Sewer Map Book	8033	COR Sewer Map Book	COR Sewer Map Book	154	12	364.72	355.00	353.40	9.72	1.04%	0.114	2.12	0.14	2.43
3143	8033	COR Sewer Map Book	COR Sewer Map Book	7917	Record Drawings	Record Drawings	73	12	361.28	353.40	352.69	7.88	0.97%	0.152	2.50	0.18	2.13
3145	7917	Record Drawings	Record Drawings	7910	Record Drawings	Record Drawings	199	12	360.00	352.69	351.30	7.31	0.70%	0.154	1.77	0.19	1.85
3174	8105	AsBuilts	AsBuilts	8107	AsBuilts	AsBuilts	270	12	357.50	346.08	345.17	11.42	0.34%	0.108	1.62	0.19	1.32
3180	8127	Old Model	Old Model	8148	From COR - SSA	From COR - SSA	398	10	361.66	351.66	351.02	10.00	0.16%	0.022	0.50	0.28	0.28
3187	8159	From COR - SSA	From COR - SSA	8136	From COR - SSA	From COR - SSA	166	24	363.25	351.80	351.48	11.45	0.19%	1.774	2.13	0.39	5.19
3188	8183	Old Model	Old Model	8159	From COR - SSA	From COR - SSA	221	12	363.74	353.74	351.80	10.00	0.88%	0.153	0.67	0.17	2.18
3190	8178	From COR - SSA	From COR - SSA	8167	From COR - SSA	From COR - SSA	93	24	364.85	354.30	354.34	10.55	-0.04%	1.676	2.51	0.46	1.61
3210	8474	From COR - SSA	From COR - SSA	8286	From COR - SSA	From COR - SSA	306	18	366.96	355.13	354.40	11.83	0.24%	0.360	2.00	0.22	3.23
3211	8273	From COR - SSA	From COR - SSA	8272	From COR - SSA	From COR - SSA	260	24	366.22	353.62	353.32	12.60	0.12%	0.409	1.38	0.19	4.98
3212	8272	From COR - SSA	From COR - SSA	8250	From COR - SSA	From COR - SSA	290	24	362.32	353.32	353.10	9.00	0.08%	0.417	1.46	0.22	3.95



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
3222	8250	From COR - SSA	From COR - SSA	8252	From COR - SSA	From COR - SSA	272	24	360.65	353.10	352.65	7.55	0.17%	0.437	1.39	0.18	6.01
3232	8252	From COR - SSA	From COR - SSA	8242	From COR - SSA	From COR - SSA	329	24	366.85	352.65	352.50	14.20	0.05%	0.453	1.22	0.25	2.93
3233	8242	From COR - SSA	From COR - SSA	8241	From COR - SSA	From COR - SSA	372	24	359.20	352.50	352.25	6.70	0.07%	0.454	1.31	0.23	3.65
3235	8240	From COR - SSA	From COR - SSA	8233	From COR - SSA	From COR - SSA	359	24	358.22	351.97	351.58	6.25	0.11%	0.458	1.51	0.20	4.76
3236	8233	From COR - SSA	From COR - SSA	8212	From COR - SSA	From COR - SSA	409	24	357.83	351.58	351.24	6.25	0.08%	0.460	1.37	0.21	4.11
3237	8212	From COR - SSA	From COR - SSA	8211	From COR - SSA	From COR - SSA	369	24	357.49	351.24	350.99	6.25	0.07%	0.462	1.34	0.23	3.66
3276	8265	From COR - SSA	From COR - SSA	8115	From COR - SSA	From COR - SSA	209	24	365.21	355.01	355.00	10.20	0.00%	1.595	1.53	0.54	-0.50
3277	8177	From COR - SSA	From COR - SSA	8178	From COR - SSA	From COR - SSA	388	24	364.26	354.96	354.30	9.30	0.17%	1.662	2.18	0.34	4.87
3284	8163	From COR - SSA	From COR - SSA	8175	Old Model	From COR - SSA	165	24	366.96	354.76	354.66	12.20	0.06%	1.640	1.35	0.57	2.26
3292	8161	From COR - SSA	From COR - SSA	8159	From COR - SSA	From COR - SSA	86	24	363.77	351.92	351.80	11.85	0.14%	1.680	2.28	0.40	4.24
3293	8167	From COR - SSA	From COR - SSA	8161	From COR - SSA	From COR - SSA	526	24	365.74	354.34	351.92	11.40	0.46%	1.681	2.84	0.27	9.06
3302	8136	From COR - SSA	From COR - SSA	8147	From COR - SSA	From COR - SSA	324	24	361.68	351.48	351.26	10.20	0.07%	1.778	1.92	0.47	2.35
3305	8147	From COR - SSA	From COR - SSA	8148	From COR - SSA	From COR - SSA	301	24	360.26	351.26	351.02	9.00	0.08%	1.839	2.10	0.46	2.63
3320	8182	Old Model	Old Model	8183	Old Model	Old Model	311	12	365.10	355.10	353.74	10.00	0.44%	0.128	2.01	0.19	1.52
3329	8354	From COR - SSA	From COR - SSA	8328	From COR - SSA	From COR - SSA	328	24	368.78	356.03	356.11	12.75	-0.02%	1.301	1.58	0.50	1.17
3330	8364	Old Model	Old Model	8354	From COR - SSA	From COR - SSA	169	24	366.00	356.18	356.03	9.82	0.09%	1.292	1.35	0.46	3.43
3331	8330	From COR - SSA	From COR - SSA	8335	From COR - SSA	From COR - SSA	387	24	365.24	355.74	355.43	9.50	0.08%	1.475	1.38	0.48	3.01
3341	8383	Old Model	Old Model	8380	Old Model	Old Model	271	12	383.20	373.20	364.90	10.00	3.07%	0.086	3.81	0.10	4.28
3344	8299	Old Model	Old Model	8315	Old Model	Old Model	267	12	375.77	365.77	362.42	10.00	1.26%	0.033	1.71	0.08	2.76
3358	8366	From COR - SSA	From COR - SSA	8365	From COR - SSA	From COR - SSA	194	27	366.66	356.11	356.29	10.55	-0.09%	1.231	1.08	0.51	5.38
3364	8382	From COR - SSA	Old Model	8367	From COR - SSA	From COR - SSA	185	24	367.70	356.51	356.29	11.19	0.12%	1.235	1.38	0.42	4.23
3372	8470	Record Dwg	Record Dwg	8273	From COR - SSA	From COR - SSA	42	12	366.35	354.80	353.62	11.55	2.79%	0.065	3.78	0.10	3.58
3386	8457	From COR - SSA	From COR - SSA	8458	From COR - SSA	From COR - SSA	202	18	374.60	360.10	359.51	14.50	0.29%	0.187	1.74	0.15	3.79
3388	8597	From COR - SSA	From COR - SSA	8489	From COR - SSA	From COR - SSA	598	24	379.46	362.21	361.18	17.25	0.17%	0.185	1.43	0.12	6.39
3391	8500	Record Dwg	Record Dwg	8493	Record Dwg	Record Dwg	361	10	371.50	362.20	360.95	9.30	0.35%	0.047	1.31	0.15	0.85
3411	8443	Record Dwg	Record Dwg	8412	Record Dwg	Record Dwg	323	10	377.69	359.77	358.80	17.92	0.30%	0.095	1.17	0.23	0.75
3412	8425	Record Dwg	Record Dwg	8443	Record Dwg	Record Dwg	330	10	379.19	360.76	359.77	18.43	0.30%	0.093	1.55	0.23	0.75
3414	8426	Record Dwg	Record Dwg	8425	Record Dwg	Record Dwg	359	10	378.87	361.84	360.76	17.03	0.30%	0.032	0.75	0.13	0.81



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
3415	8429	Record Dwg	Record Dwg	8426	Record Dwg	Record Dwg	319	10	377.90	362.81	361.84	15.09	0.30%	0.031	1.14	0.13	0.81
3425	8412	Record Dwg	Record Dwg	8466	From COR - SSA	From COR - SSA	329	10	371.83	358.80	358.00	13.03	0.24%	0.095	1.25	0.34	0.45
3426	8460	From COR - SSA	From COR - SSA	8466	From COR - SSA	From COR - SSA	342	18	370.15	358.70	358.00	11.45	0.20%	0.233	1.41	0.18	3.10
3430	8462	Record Dwg	Record Dwg	8461	Old Model	Old Model	337	10	369.92	359.92	359.00	10.00	0.27%	0.068	1.81	0.22	0.73
3431	8490	Record Dwg	Record Dwg	8462	Record Dwg	Record Dwg	314	10	369.43	360.70	359.92	8.73	0.25%	0.066	1.25	0.20	0.70
3432	8493	Record Dwg	Record Dwg	8490	Record Dwg	Record Dwg	57	10	370.95	360.95	360.70	10.00	0.44%	0.059	1.35	0.16	0.96
3449	8416	From COR - SSA	From COR - SSA	8423	From COR - SSA	From COR - SSA	481	18	368.98	357.58	356.91	11.40	0.14%	0.339	1.64	0.25	2.41
3453	8404	From COR - SSA	From COR - SSA	8408	From COR - SSA	From COR - SSA	112	18	364.91	355.56	355.32	9.35	0.21%	0.344	1.52	0.21	3.06
3454	8406	From COR - SSA	From COR - SSA	8405	From COR - SSA	From COR - SSA	89	18	365.87	355.77	355.60	10.10	0.19%	0.343	1.53	0.23	2.88
3455	8405	From COR - SSA	From COR - SSA	8404	From COR - SSA	From COR - SSA	59	18	365.34	355.60	355.56	9.74	0.07%	0.344	1.60	0.27	1.58
3456	8399	From COR - SSA	From COR - SSA	8403	From COR - SSA	From COR - SSA	116	18	367.37	356.07	355.96	11.30	0.09%	0.342	1.57	0.27	1.92
3457	8423	From COR - SSA	From COR - SSA	8399	From COR - SSA	From COR - SSA	499	18	366.61	356.91	356.07	9.70	0.17%	0.342	1.54	0.23	2.68
3461	8392	Record Dwg	Record Dwg	8395	Record Dwg	Record Dwg	372	12	373.14	362.30	360.30	10.84	0.54%	0.050	1.72	0.12	1.78
3462	8395	Record Dwg	Record Dwg	8470	Record Dwg	Record Dwg	365	12	371.16	360.30	354.80	10.86	1.51%	0.059	2.29	0.10	3.01
3490	8331	Old Model	Old Model	8330	From COR - SSA	From COR - SSA	223	12	368.00	358.00	355.74	10.00	1.01%	0.187	1.70	0.32	0.87
3491	8340	Old Model	Old Model	8333	Old Model	Old Model	275	12	383.37	373.37	363.77	10.00	3.49%	0.155	4.29	0.13	4.51
3492	8328	From COR - SSA	From COR - SSA	8329	From COR - SSA	From COR - SSA	240	24	367.31	356.11	355.63	11.20	0.20%	1.306	1.46	0.35	5.78
3493	8333	Old Model	Old Model	8332	Old Model	Old Model	88	12	373.77	363.77	358.75	10.00	5.71%	0.185	3.69	0.12	5.78
3494	8503	Old Model	Old Model	8339	Old Model	Old Model	111	12	400.69	390.69	379.65	10.00	9.95%	0.094	4.99	0.08	7.80
3502	8315	Old Model	Old Model	8310	From COR - SSA	From COR - SSA	549	12	372.42	362.42	355.47	10.00	1.26%	0.041	0.17	0.09	2.76
3503	8301	Old Model	Old Model	8300	Old Model	Old Model	447	12	402.76	392.76	365.96	10.00	5.99%	0.025	1.15	0.05	6.09
3513	762	Old Model	Old Model	761	Old Model	Old Model	288	12	595.95	585.95	583.92	10.00	0.71%	0.201	2.50	0.21	1.90
3514	761	Old Model	Old Model	3957	Old Model	Old Model	254	12	593.92	583.92	581.94	10.00	0.78%	0.201	3.12	0.22	2.00
3533	4124	Old Model	Old Model	4195	Old Model	Old Model	126	12	540.37	530.37	523.69	10.00	5.31%	0.271	2.22	0.15	5.48
3534	3957	Old Model	Old Model	3956	Old Model	Old Model	390	12	591.94	581.94	566.83	10.00	3.87%	0.227	4.93	0.15	4.69
3535	3956	Old Model	Old Model	3955	Old Model	Old Model	199	12	576.83	566.83	557.97	10.00	4.45%	0.227	5.29	0.15	5.04
3536	3955	Old Model	Old Model	3954	Old Model	Old Model	350	12	567.97	557.97	533.97	10.00	6.86%	0.253	5.04	0.13	6.29
3537	3954	Old Model	Old Model	4124	Old Model	Old Model	128	12	543.97	533.97	530.37	10.00	2.80%	0.253	4.75	0.18	3.92
3548	4143	Old Model	Old Model	4141	Old Model	Old Model	601	12	505.42	491.12	489.06	14.30	0.34%	0.603	2.60	0.45	0.86
3549	4140	Old Model	Old Model	4139	Old Model	Old Model	307	12	499.32	487.59	487.10	11.73	0.16%	0.610	2.64	0.66	0.39
3550	4141	Old Model	Old Model	4140	Old Model	Old Model	555	12	501.02	489.06	487.59	11.96	0.26%	0.611	2.03	0.49	0.67
3553	4144	Old Model	Old Model	4143	Old Model	Old Model	432	12	506.80	491.81	491.12	14.99	0.16%	0.473	1.96	0.51	0.52
3554	4145	Old Model	Old Model	4144	Old Model	Old Model	458	12	504.59	493.11	491.81	11.48	0.28%	0.474	2.07	0.41	0.85
3555	4146	Old Model	Old Model	4145	Old Model	Old Model	580	12	505.79	494.17	493.11	11.62	0.18%	0.426	2.00	0.46	0.64
3557	2231	Old Model	Old Model	4147	Old Model	Old Model	551	12	508.23	497.03	494.54	11.20	0.45%	0.428	1.73	0.34	1.25
3559	4147	Old Model	Old Model	4146	Old Model	Old Model	580	12	509.55	494.54	494.17	15.01	0.06%	0.427	1.50	0.64	0.20
3590	8655	Survey	Survey	8807	Survey	Survey	344	15	403.73	381.93	381.44	21.80	0.14%	0.244	1.35	0.27	1.28



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
3591	8624	From COR - SSA	From COR - SSA	8604	From COR - SSA	From COR - SSA	1014	21	369.55	362.05	357.99	7.50	0.40%	1.018	2.25	0.26	6.00
3601	8520	Old Model	Old Model	8523	From COR - SSA	From COR - SSA	260	10	371.52	361.52	357.60	10.00	1.51%	0.021	0.26	0.07	1.87
3602	8514	Record Drawings	Record Drawings	8515	Record Drawings	Record Drawings	319	10	402.93	393.00	391.37	9.93	0.51%	0.005	0.77	0.05	1.09
3604	8519	Old Model	Old Model	8529	Old Model	Old Model	707	10	405.67	395.67	393.33	10.00	0.33%	0.002	0.50	0.03	0.88
3605	8528	Old Model	Old Model	8530	Old Model	Old Model	522	12	401.88	391.88	390.72	10.00	0.22%	0.027	0.35	0.10	1.15
3606	8529	Old Model	Old Model	8530	Old Model	Old Model	565	10	403.33	393.33	390.72	10.00	0.46%	0.002	0.04	0.03	1.04
3609	8534	Old Model	Old Model	8544	Record Drawings	Record Drawings	305	10	406.23	390.33	389.48	15.90	0.28%	0.001	0.33	0.03	0.81
3614	8557	Inv+10	Straight Grade	8558	Inv+10	Straight Grade	260	12	396.49	386.49	385.92	10.00	0.22%	0.012	0.74	0.07	1.16
3619	8664	Survey	Survey	8663	Survey	Survey	165	10	403.34	395.44	393.05	7.90	1.45%	0.007	1.28	0.04	1.84
3621	8687	Inv+10	Straight Grade	8671	Inv+10	Straight Grade	498	14	402.84	392.84	390.82	10.00	0.41%	0.625	3.21	0.37	1.77
3631	8620	Inv+8	Straight Grade	8621	Record Drawings	Record Drawings	363	18	379.73	371.73	370.64	8.00	0.30%	1.150	3.05	0.38	2.88
3634	8622	Old Model	Old Model	8624	From COR - SSA	From COR - SSA	232	12	373.56	363.56	362.05	10.00	0.65%	0.001	0.63	0.02	1.76
3635	8629	Inv+8	Straight Grade	8620	Inv+8	Straight Grade	420	18	380.86	372.86	371.73	8.00	0.27%	1.150	2.86	0.39	2.66
3636	8634	Record Drawings	Record Drawings	8633	Record Drawings	Record Drawings	298	18	360.80	354.95	353.87	5.85	0.36%	0.001	0.26	0.01	4.43
3637	8633	Record Drawings	Record Drawings	8636	AsBuilts	AsBuilts	153	12	364.70	353.87	353.50	10.83	0.24%	0.001	0.35	0.02	1.22
3641	8638	AsBuilts	AsBuilts	8637	AsBuilts	AsBuilts	439	12	360.00	352.98	352.08	7.02	0.21%	0.300	1.86	0.36	0.83
3655	8683	Default to Legacy	Default to Legacy	8682	Default to Legacy	Default to Legacy	172	12	400.90	390.89	390.51	10.00	0.22%	0.013	0.75	0.08	1.16
3663	8579	Old Model	Straight Grade	8575	Survey	Survey	465	18	396.25	386.75	386.18	9.50	0.12%	0.392	1.09	0.26	2.18
3664	8661	AsBuilts	AsBuilts	8660	AsBuilts	AsBuilts	334	12	359.00	350.25	349.30	8.75	0.28%	0.338	2.13	0.35	0.99
3665	8750	Old Model	Straight Grade	8748	Old Model	Old Model	400	12	386.89	374.97	370.85	11.92	1.03%	0.056	2.08	0.10	2.48
3673	8785	Default to Legacy	Default to Legacy	7703	Old Model	Old Model	145	12	378.00	368.00	367.67	10.00	0.23%	0.005	0.64	0.06	1.19
3732	8788	Existing Survey	Existing Survey	6169	Old Model	Old Model	199	18	391.41	385.70	385.70	5.71	0.00%	0.958	1.02	0.80	-0.79
3759	8670	Survey	Survey	8816	Survey	Survey	390	18	404.35	386.15	385.58	18.20	0.15%	0.325	1.59	0.23	2.49
3762	8805	Survey	Survey	8804	Survey	Survey	349	18	383.70	376.96	375.78	6.74	0.34%	1.125	3.00	0.36	3.06
3763	8804	Survey	Survey	8793	Survey	Survey	444	18	386.18	375.78	374.84	10.40	0.21%	1.149	2.42	0.40	2.24
3765	8799	Survey	Survey	8805	Survey	Survey	346	18	385.81	377.91	376.96	7.90	0.27%	1.124	2.92	0.39	2.71
3766	8803	Survey	Survey	8799	Survey	Survey	424	18	386.02	379.28	377.91	6.74	0.32%	1.125	2.92	0.35	3.06
3767	8645	Inv+8	Straight Grade	8794	Default to Legacy	Default to Legacy	372	14	394.33	386.33	385.77	8.00	0.15%	0.019	0.75	0.09	1.44
3768	8800	Survey	Survey	8803	Survey	Survey	271	18	386.57	380.12	379.28	6.45	0.31%	1.125	3.21	0.40	2.72
3769	8794	Default to Legacy	Default to Legacy	8795	Survey	Survey	376	10	392.44	385.77	381.22	6.67	1.21%	0.019	0.14	0.10	1.67
3770	8807	Survey	Survey	8795	Survey	Survey	348	15	400.74	381.44	381.22	19.30	0.06%	0.247	0.76	0.39	0.89
3771	8801	Survey	Survey	8800	Survey	Survey	267	18	387.08	381.01	380.12	6.07	0.33%	1.126	2.85	0.35	3.12
3772	8795	Survey	Survey	8801	Survey	Survey	63	18	389.72	381.22	381.01	8.50	0.33%	1.127	2.96	0.44	2.21
3773	8793	Survey	Survey	8630	Inv+8	Straight Grade	328	18	380.39	374.84	374.08	5.55	0.23%	1.149	2.84	0.47	2.66
3774	8630	Inv+8	Straight Grade	8629	Inv+8	Straight Grade	453	18	382.08	374.08	372.86	8.00	0.27%	1.149	2.85	0.38	2.67
3775	8796	Survey	Survey	8795	Survey	Survey	280	18	389.17	381.52	381.22	7.65	0.11%	0.909	1.92	0.45	1.58



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
3776	8797	Survey	Survey	JCT_MP-476	Survey	Survey	116	18	387.02	382.02	381.82	5.00	0.17%	0.232	0.74	0.26	2.83
3777	8802	Survey	Survey	8797	Survey	Survey	375	18	387.68	382.23	382.02	5.45	0.06%	0.154	0.88	0.22	1.36
3778	8798	Survey	Survey	8802	Survey	Survey	377	18	388.81	382.89	382.23	5.92	0.18%	0.173	1.48	0.18	2.66
3779	8809	Survey	Survey	JCT_MP-464	Survey	Survey	136	18	390.18	383.32	383.01	6.86	0.23%	0.598	2.47	0.30	2.91
3780	8810	Survey	Survey	8809	Survey	Survey	376	18	390.15	383.90	383.32	6.25	0.15%	0.601	1.99	0.33	2.26
3781	8808	Survey	Survey	8810	Survey	Survey	376	18	395.42	384.92	383.90	10.50	0.27%	0.600	2.46	0.29	3.04
3782	8811	Survey	Survey	8808	Survey	Survey	376	18	394.41	385.16	384.92	9.25	0.06%	0.616	1.78	0.47	1.24
3783	8815	Survey	Survey	8811	Survey	Survey	326	14	399.66	388.46	385.16	11.20	1.01%	0.358	3.08	0.23	2.90
3784	8816	Survey	Survey	8811	Survey	Survey	415	18	401.98	385.58	385.16	16.40	0.10%	0.315	0.95	0.25	2.03
3785	8814	Survey	Survey	8815	Survey	Survey	202	14	398.76	389.06	388.46	9.70	0.30%	0.400	2.93	0.37	1.65
3786	8669	Inv+10	Straight Grade	8814	Survey	Survey	385	14	399.20	389.20	389.06	10.00	0.04%	0.402	1.42	0.52	0.32
3821	7892	COR Survey	COR Survey	7895	COR Survey	COR Survey	189	12	391.36	385.56	384.83	5.80	0.39%	0.239	2.91	0.30	1.31
3822	6209	Benton Cnty Z - NGVD29	Default to Legacy	6208	Benton Cnty Z - NGVD29	Default to Legacy	310	12	444.00	437.04	436.36	6.96	0.22%	0.440	1.96	0.43	0.73
3823	6207	Benton Cnty Z - NGVD29	Default to Legacy	6091	Record Drawings	Record Drawings	307	12	448.00	435.68	430.65	12.32	1.64%	0.440	3.51	0.25	2.69
3824	6091	Record Drawings	Record Drawings	6104	Record Drawings	Record Drawings	442	12	445.40	430.65	428.68	14.75	0.45%	0.864	3.89	0.57	0.74
3825	6104	Record Drawings	Record Drawings	6105	Record Drawings	Record Drawings	383	12	451.53	428.68	426.92	22.85	0.46%	0.863	3.26	0.55	0.74
3826	6106	Record Drawings	Record Drawings	6094	Record Drawings	Record Drawings	401	12	437.88	425.05	418.60	12.83	1.61%	0.863	7.08	0.38	2.27
3827	6094	Record Drawings	Record Drawings	6095	Record Drawings	Record Drawings	399	12	430.33	418.60	414.45	11.73	1.04%	0.877	5.43	0.47	1.62
3829	6096	Record Drawings	Record Drawings	6092	Record Drawings	Record Drawings	587	12	421.25	410.44	407.59	10.81	0.49%	0.863	3.40	0.51	0.88
3830	6092	Record Drawings	Record Drawings	6093	Record Drawings	Record Drawings	601	12	417.59	407.59	404.29	10.00	0.55%	0.885	3.51	0.50	0.94
3831	6093	Record Drawings	Record Drawings	6101	Record Drawings	Record Drawings	601	12	415.50	404.29	401.23	11.21	0.51%	1.051	3.79	0.58	0.71
3834	6101	Record Drawings	Record Drawings	6100	Record Drawings	Record Drawings	600	12	412.44	401.23	398.18	11.21	0.51%	1.056	2.87	0.56	0.70
3836	6114	Record Drawings	Record Drawings	6115	Record Drawings	Record Drawings	283	12	372.98	354.72	353.97	18.26	0.26%	0.456	2.83	0.45	0.74
3842	8672	Record Drawings	Record Drawings	8687	Inv+10	Straight Grade	156	14	403.50	393.47	392.84	10.03	0.40%	0.727	3.28	0.41	1.66
3843	8671	Inv+10	Straight Grade	8669	Inv+10	Straight Grade	401	14	400.82	390.82	389.20	10.00	0.40%	0.521	2.15	0.32	1.87
3846	8575	Survey	Survey	8577	Survey	Survey	102	18	403.68	386.18	386.44	17.50	-0.26%	0.316	0.90	0.45	3.40
3847	8509	Survey	Survey	8578	Survey	Survey	173	18	394.35	387.55	386.87	6.80	0.39%	0.487	3.56	0.26	3.58
3848	8578	Survey	Survey	8579	Old Model	Straight Grade	100	18	397.17	386.87	386.75	10.30	0.12%	0.541	2.02	0.33	2.00
3850	8567	Inv+10	Battelle Record Drawing	8568	Inv+10	Battelle Record Drawing	293	12	383.87	373.87	373.06	10.00	0.28%	0.178	1.63	0.25	1.13
3952	2121	Old Model	Old Model	2123	Old Model	Old Model	186	10	527.47	517.47	517.05	10.00	0.23%	0.291	1.99	0.47	0.44
3953	2115	Old Model	Old Model	2122	Old Model	Old Model	331	10	530.16	520.16	518.83	10.00	0.40%	0.011	0.79	0.08	0.96
3975	467	Old Model	Old Model	466	Old Model	Old Model	176	30	360.80	348.92	348.74	11.88	0.10%	5.922	3.29	0.62	3.26
3976	449	Old Model	Old Model	478	Old Model	Old Model	335	30	358.41	348.41	348.08	10.00	0.10%	4.778	2.85	0.55	4.24
3977	478	Old Model	Old Model	479	Old Model	Old Model	333	30	358.08	348.08	347.74	10.00	0.10%	4.691	2.77	0.54	4.49
3978	479	Old Model	Old Model	480	Old Model	Old Model	195	30	357.74	347.74	347.55	10.00	0.10%	4.628	2.76	0.54	4.35



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
3979	480	Old Model	Old Model	481	Old Model	Old Model	436	30	357.55	347.55	347.11	10.00	0.10%	4.575	2.78	0.52	4.55
3980	481	Old Model	Old Model	4104	Old Model	Old Model	431	30	357.11	347.11	346.68	10.00	0.10%	4.499	2.76	0.52	4.58
3981	4104	Old Model	Old Model	4096	Old Model	Old Model	428	30	356.68	346.68	346.25	10.00	0.10%	4.438	2.72	0.52	4.67
3982	4096	Old Model	Old Model	4097	Old Model	Old Model	321	30	356.25	346.25	345.93	10.00	0.10%	4.405	2.69	0.52	4.67
3983	4098	Old Model	Old Model	4123	Old Model	Old Model	1155	30	354.60	345.60	338.75	9.00	0.59%	4.377	3.78	0.30	17.74
3984	4097	Old Model	Old Model	4098	Old Model	Old Model	314	30	355.93	345.93	345.60	10.00	0.11%	4.396	3.65	0.51	4.92
3985	472	Old Model	Old Model	459	Old Model	Old Model	50	12	361.85	351.15	350.50	10.70	1.30%	2.071	4.08	3.04	-0.70
3986	390	Old Model	Old Model	389	Old Model	Old Model	360	21	406.20	396.20	373.60	10.00	6.28%	2.635	10.18	0.21	25.20
3987	372	Old Model	Old Model	371	Old Model	Old Model	216	21	446.40	436.40	423.50	10.00	5.97%	2.635	10.84	0.22	24.50
3988	370	Old Model	Old Model	372	Old Model	Old Model	319	21	456.16	443.16	436.40	13.00	2.12%	2.583	8.12	0.30	13.57
3989	369	Old Model	Old Model	370	Old Model	Old Model	122	21	457.00	443.51	443.16	13.49	0.29%	2.583	4.24	0.53	3.37
3991	371	Old Model	Old Model	390	Old Model	Old Model	429	21	433.50	423.50	396.20	10.00	6.37%	2.635	11.18	0.21	25.39
4009	6292	Record Drawings	Record Drawings	6324	Inv+10	Straight Grade	357	12	394.53	388.68	387.97	5.85	0.20%	0.125	1.05	0.23	0.99
4010	6322	Record Drawings	Record Drawings	6308	Inv+10	Record Drawings	599	12	393.58	387.48	386.28	6.10	0.20%	0.446	1.92	0.44	0.67
4011	6308	Inv+10	Record Drawings	6312	Inv+10	Record Drawings	573	12	396.28	386.28	385.29	10.00	0.17%	0.499	2.00	0.50	0.54
4012	7895	COR Survey	COR Survey	7785	COR Survey	COR Survey	486	12	392.56	384.83	384.02	7.73	0.17%	0.071	1.75	0.22	0.95
4013	8706	COR Survey	COR Survey	8732	Record Dwg	Straight Grade	422	12	393.63	379.74	378.81	13.89	0.22%	0.046	1.13	0.14	1.13
4014	6002	Old Model	Old Model	6036	Default to Legacy	Default to Legacy	253	12	363.00	353.00	352.19	10.00	0.32%	1.051	2.81	0.65	0.36
4015	6031	AsBuilts	AsBuilts	6030	AsBuilts	AsBuilts	473	42	363.70	347.30	347.07	16.40	0.05%	8.014	2.52	0.52	7.52
4016	8775	Old Model	Old Model	8774	Old Model	Old Model	400	12	368.76	358.76	357.88	10.00	0.22%	1.015	2.83	0.82	0.16
4017	8771	Old Model	Old Model	8775	Old Model	Old Model	384	12	374.81	364.81	358.76	10.00	1.58%	1.014	3.52	0.39	2.12
4018	6079	Record Drawings	Record Drawings	6078	Record Drawings	Record Drawings	399	12	412.40	403.88	402.85	8.52	0.26%	0.933	2.57	0.68	0.28
4037	8806	Survey	Survey	8809	Survey	Survey	302	10	399.38	390.58	383.32	8.80	2.40%	0.008	0.14	0.04	2.36
4038	8663	Survey	Survey	8806	Survey	Survey	103	10	402.10	393.05	390.58	9.05	2.40%	0.007	1.48	0.04	2.37
4039	8665	Survey	Survey	8664	Survey	Survey	130	10	404.50	395.90	395.44	8.60	0.35%	0.006	0.86	0.18	1.00
4042	8577	Survey	Survey	8670	Survey	Survey	328	18	406.44	386.44	386.15	20.00	0.09%	0.282	1.35	0.25	1.90
4045	8564	Survey	Survey	8677	Survey	Survey	74	15	399.64	383.39	383.52	16.25	-0.18%	0.162	0.70	0.40	1.73
4046	4670	Asbuilts	Asbuilts	4669	Asbuilts	Asbuilts	232	18	519.98	513.05	511.92	6.93	0.49%	0.078	0.97	0.09	5.06
4049	8573	Inv+10	Battelle Record Drawing	8567	Inv+10	Battelle Record Drawing	227	12	384.45	374.45	373.87	10.00	0.26%	0.178	1.75	0.26	1.08
4050	8569	Inv+10	Battelle Record Drawing	8573	Inv+10	Battelle Record Drawing	187	12	385.08	375.08	374.45	10.00	0.34%	0.178	1.81	0.24	1.27
4051	8570	Inv+10	Battelle Record Drawing	8569	Inv+10	Battelle Record Drawing	141	10	385.50	375.50	375.08	10.00	0.30%	0.178	1.93	0.33	0.66
4055	8561	Inv+10	Straight Grade	8557	Inv+10	Straight Grade	404	12	398.10	388.10	386.49	10.00	0.40%	0.008	0.60	0.05	1.57
4056	8558	Inv+10	Straight Grade	8559	Inv+10	Straight Grade	221	12	395.92	385.92	385.43	10.00	0.22%	0.012	0.75	0.07	1.16
4058	8555	Inv+10	Straight Grade	8564	Survey	Survey	428	15	398.36	384.36	383.39	14.00	0.23%	0.153	1.11	0.19	1.83
4060	8659	Survey	Survey	8651	Survey	Survey	371	15	404.10	382.65	382.15	21.45	0.13%	0.177	1.30	0.22	1.48
4061	8651	Survey	Survey	8655	Survey	Survey	216	15	404.25	382.15	381.93	22.10	0.10%	0.177	1.12	0.24	1.27
4065	8660	AsBuilts	AsBuilts	JCT_MP-440	Record Drawings	Record Drawings	213	12	360.00	349.30	348.44	10.70	0.40%	0.338	2.64	0.36	1.10



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Pipe ID	Upstream Manhole				Downstream Manhole			f	f	f	f	c	c	f	f	f	f
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4066	8639	AsBuilts	AsBuilts	8661	AsBuilts	AsBuilts	438	12	359.00	351.18	350.25	7.82	0.21%	0.338	2.00	0.39	0.81
4067	8637	AsBuilts	AsBuilts	8639	AsBuilts	AsBuilts	439	12	360.00	352.08	351.18	7.92	0.21%	0.300	1.82	0.35	0.83
4068	8636	AsBuilts	AsBuilts	8638	AsBuilts	AsBuilts	208	12	361.50	353.50	352.98	8.00	0.25%	0.002	0.03	0.03	1.25
4090	8546	Old Model	Old Model	8545	Old Model	Old Model	381	10	408.27	398.27	396.42	10.00	0.49%	0.001	0.52	0.03	1.07
4091	8545	Old Model	Old Model	8513	Record Drawings	Record Drawings	315	10	406.42	396.42	393.61	10.00	0.89%	0.002	0.48	0.03	1.45
4094	8513	Record Drawings	Record Drawings	8514	Record Drawings	Record Drawings	140	10	403.01	393.61	393.00	9.40	0.44%	0.004	0.71	0.05	1.01
4095	8515	Record Drawings	Record Drawings	8544	Record Drawings	Record Drawings	314	10	402.67	391.37	389.48	11.30	0.60%	0.005	0.83	0.05	1.15
4096	8533	Old Model	Old Model	8534	Old Model	Old Model	203	10	398.97	390.90	390.33	8.07	0.28%	0.001	0.32	0.02	0.81
4097	8544	Record Drawings	Record Drawings	8543	Old Model	Old Model	255	10	402.93	389.48	387.96	13.45	0.60%	0.006	0.64	0.05	1.18
4099	8522	From COR - SSA	From COR - SSA	8523	From COR - SSA	From COR - SSA	507	21	366.87	357.57	357.60	9.30	-0.01%	1.046	1.76	0.56	-0.19
4100	8604	From COR - SSA	From COR - SSA	8522	From COR - SSA	From COR - SSA	419	21	370.99	357.99	357.57	13.00	0.10%	1.047	1.40	0.41	2.46
4103	8538	Old Model	Old Model	8528	Old Model	Old Model	465	12	404.98	394.98	391.88	10.00	0.67%	0.005	0.46	0.04	2.03
4104	8621	Record Drawings	Record Drawings	8616	From COR - SSA	Record Drawings	20	18	382.53	370.64	369.63	11.89	5.01%	1.354	5.56	0.35	13.48
4105	8616	From COR - SSA	Record Drawings	8617	Old Model	From COR - SSA	589	24	383.17	369.63	369.25	13.54	0.06%	0.161	1.08	0.19	4.31
4106	8623	From COR - SSA	From COR - SSA	8624	From COR - SSA	From COR - SSA	419	21	380.04	366.79	362.05	13.25	1.13%	1.020	3.83	0.20	10.78
4107	8607	Record Drawings	Record Drawings	8604	From COR - SSA	From COR - SSA	404	12	375.00	359.21	357.99	15.79	0.30%	0.041	0.88	0.13	1.10
4108	8606	Record Drawings	Record Drawings	8607	Record Drawings	Record Drawings	400	12	376.50	360.10	359.21	16.40	0.22%	0.041	1.14	0.15	1.10
4109	8605	Record Drawings	Record Drawings	8606	Record Drawings	Record Drawings	401	12	375.90	360.99	360.10	14.91	0.22%	0.041	1.18	0.15	1.10
4110	8619	Record Drawings	Record Drawings	8605	Record Drawings	Record Drawings	347	12	374.30	361.64	360.99	12.66	0.19%	0.041	1.07	0.16	1.00
4111	8618	Record Drawings	Record Drawings	8619	Record Drawings	Record Drawings	198	12	375.90	362.16	361.64	13.74	0.26%	0.040	1.15	0.13	1.18
4112	8614	Record Drawings	Record Drawings	8618	Record Drawings	Record Drawings	303	12	375.50	362.77	362.16	12.73	0.20%	0.040	1.15	0.16	1.03
4113	8615	Record Drawings	Record Drawings	8614	Record Drawings	Record Drawings	285	12	377.00	363.37	362.77	13.63	0.21%	0.040	1.07	0.15	1.06
4129	8523	From COR - SSA	From COR - SSA	8525	From COR - SSA	From COR - SSA	117	21	367.30	357.60	357.07	9.70	0.45%	1.056	1.94	0.25	6.41
4130	8521	Record Drawings	Record Drawings	8520	Old Model	Old Model	228	10	399.50	383.65	361.52	15.85	9.71%	0.021	2.37	0.05	4.77
4134	8525	From COR - SSA	From COR - SSA	8524	From COR - SSA	From COR - SSA	388	24	367.02	357.07	357.08	9.95	0.00%	1.055	1.45	0.45	-0.25
4135	8524	From COR - SSA	From COR - SSA	8378	Old Model	Straight Grade	429	24	366.33	357.08	356.66	9.25	0.10%	1.148	1.64	0.33	3.81
4136	8378	Old Model	Straight Grade	8379	Old Model	From COR - SSA	335	24	367.56	356.66	356.34	10.90	0.10%	1.166	1.21	0.42	3.73



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4138	8531	Old Model	Old Model	8527	Old Model	Old Model	411	12	400.88	390.88	390.38	10.00	0.12%	0.037	0.66	0.14	0.83
4139	8530	Old Model	Old Model	8531	Old Model	Old Model	40	12	400.72	390.72	390.88	10.00	-0.40%	0.028	0.33	0.31	1.56
4144	6108	Old Model	Old Model	6112	Old Model	Old Model	363	21	365.00	355.00	355.00	10.00	0.00%	2.111	2.31	0.71	-1.93
4145	6058	Old Model	Old Model	6108	Old Model	Old Model	373	21	366.95	356.95	355.00	10.00	0.52%	2.112	2.52	0.35	5.91
4146	6063	Old Model	Old Model	6058	Old Model	Old Model	278	21	373.38	363.38	356.95	10.00	2.31%	2.113	5.53	0.24	14.77
4147	6064	Old Model	Old Model	6063	Old Model	Old Model	535	21	374.38	364.38	363.38	10.00	0.19%	2.113	3.88	0.52	2.68
4148	6070	Record Drawings	Record Drawings	6062	Old Model	Old Model	472	21	399.09	366.54	365.40	32.55	0.24%	2.029	3.08	0.42	3.42
4153	6944	Record Drawings	Record Drawings	6079	Record Drawings	Record Drawings	91	12	414.55	404.55	403.88	10.00	0.74%	0.933	3.33	0.49	1.08
4155	6072	Record Drawings	Record Drawings	6071	Record Drawings	Record Drawings	370	14	427.91	398.36	397.71	29.55	0.18%	1.331	2.63	0.70	0.16
4156	6071	Record Drawings	Record Drawings	6073	Record Drawings	Record Drawings	337	14	427.10	397.71	397.21	29.39	0.15%	1.389	2.82	0.76	-0.06
4157	6073	Record Drawings	Record Drawings	6074	Record Drawings	Record Drawings	249	14	429.79	397.21	396.73	32.58	0.19%	1.449	3.00	0.74	0.12
4158	6075	Record Drawings	Record Drawings	6076	Old Model	Old Model	225	14	412.43	396.18	389.37	16.25	3.02%	1.314	4.13	0.32	5.20
4159	6067	Old Model	Old Model	6065	Old Model	Old Model	350	21	377.80	367.80	367.10	10.00	0.20%	1.039	2.37	0.31	3.93
4160	6068	Old Model	Old Model	6067	Old Model	Old Model	473	21	378.76	368.76	367.80	10.00	0.20%	1.040	2.50	0.32	3.96
4161	6069	Inv+10	Straight Grade	6068	Old Model	Old Model	163	21	379.11	369.11	368.76	10.00	0.22%	1.040	2.45	0.32	4.11
4162	6202	Old Model	Old Model	6069	Inv+10	Straight Grade	286	21	379.74	369.74	369.11	10.00	0.22%	1.040	2.49	0.31	4.17
4163	6189	Old Model	Old Model	6202	Old Model	Old Model	301	21	380.29	370.29	369.74	10.00	0.18%	1.032	2.41	0.33	3.71
4164	6188	Old Model	Old Model	6189	Old Model	Old Model	186	21	380.71	370.71	370.29	10.00	0.23%	1.033	2.42	0.31	4.24
4165	6187	Old Model	Old Model	6188	Old Model	Old Model	90	21	380.95	370.95	370.71	10.00	0.27%	1.033	2.54	0.31	4.70
4166	6186	Old Model	Old Model	6187	Old Model	Old Model	116	21	381.23	371.23	370.95	10.00	0.24%	1.033	2.50	0.31	4.41
4167	6185	Old Model	Old Model	6863	Record Drawing	Record Drawing	68	21	381.63	371.63	371.26	10.00	0.54%	0.940	2.63	0.31	4.27
4260	6190	Old Model	Old Model	6185	Old Model	Old Model	256	18	389.90	379.90	371.63	10.00	3.23%	0.941	3.71	0.18	12.29
4261	6191	Old Model	Old Model	6190	Old Model	Old Model	277	18	390.40	380.40	379.90	10.00	0.18%	0.941	3.27	0.42	2.18
4262	6193	Old Model	Old Model	6191	Old Model	Old Model	132	18	390.70	380.70	380.40	10.00	0.23%	0.942	2.25	0.37	2.56
4263	6192	Old Model	Old Model	6193	Old Model	Old Model	195	18	391.10	381.10	380.70	10.00	0.21%	0.942	2.41	0.38	2.39
4264	6195	Old Model	Old Model	6192	Old Model	Old Model	203	18	391.50	381.50	381.10	10.00	0.20%	0.943	2.36	0.38	2.32
4265	6196	Old Model	Old Model	6195	Old Model	Old Model	141	18	391.81	381.81	381.50	10.00	0.22%	0.943	2.38	0.38	2.50
4266	6197	Old Model	Old Model	6196	Old Model	Old Model	56	18	391.99	381.99	381.81	10.00	0.32%	0.943	2.47	0.36	3.23
4267	6199	Old Model	Old Model	6197	Old Model	Old Model	110	18	392.25	382.25	381.99	10.00	0.24%	0.944	2.48	0.37	2.63
4268	6200	Old Model	Old Model	6199	Old Model	Old Model	42	18	392.43	382.43	382.25	10.00	0.43%	0.944	2.56	0.34	3.85
4270	6152	Old Model	Old Model	6151	Old Model	Old Model	41	18	403.29	393.29	383.05	10.00	24.80%	0.002	0.03	0.00	37.21
4271	6153	Old Model	Old Model	6151	Old Model	Old Model	75	18	393.25	383.25	383.05	10.00	0.27%	0.800	2.54	0.34	3.00
4273	6155	Old Model	Old Model	6150	Old Model	Old Model	149	18	393.78	383.78	383.46	10.00	0.21%	0.803	2.34	0.35	2.60
4274	6156	Old Model	Old Model	6155	Old Model	Old Model	136	18	394.07	384.07	383.78	10.00	0.21%	0.803	2.28	0.35	2.60
4275	6168	Old Model	Old Model	6156	Old Model	Old Model	100	18	394.30	384.30	384.07	10.00	0.23%	0.805	2.30	0.35	2.72
4276	6167	Old Model	Old Model	6168	Old Model	Old Model	148	18	395.45	385.45	384.30	10.00	0.78%	0.808	2.92	0.24	5.68
4278	6165	Old Model	Old Model	6167	Old Model	Old Model	159	18	395.78	385.78	385.45	10.00	0.21%	0.808	2.76	0.37	2.54
4279	6164	Old Model	Old Model	6165	Old Model	Old Model	54	18	395.87	385.87	385.78	10.00	0.17%	0.809	2.05	0.39	2.20
4280	6166	Old Model	Old Model	6164	Old Model	Old Model	130	18	396.06	386.06	385.87	10.00	0.15%	0.813	1.99	0.39	2.00
4281	6162	Record Dwg	Old Model	6166	Old Model	Old Model	26	18	396.30	386.20	386.06	10.10	0.55%	0.816	2.26	0.33	4.62
4285	6112	Old Model	Old Model	6111	Old Model	Old Model	452	21	365.00	355.00	353.75	10.00	0.28%	2.178	3.27	0.42	3.66



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4289	8459	From COR - SSA	From COR - SSA	8460	From COR - SSA	From COR - SSA	105	18	370.56	358.96	358.70	11.60	0.25%	0.188	1.52	0.15	3.47
4290	8458	From COR - SSA	From COR - SSA	8459	From COR - SSA	From COR - SSA	199	18	371.66	359.51	358.96	12.15	0.28%	0.188	1.71	0.15	3.68
4291	8456	From COR - SSA	From COR - SSA	8457	From COR - SSA	From COR - SSA	154	18	376.97	360.27	360.10	16.70	0.11%	0.186	1.38	0.20	2.26
4292	8489	From COR - SSA	From COR - SSA	8456	From COR - SSA	From COR - SSA	449	24	375.63	361.18	360.27	14.45	0.20%	0.186	1.18	0.11	6.95
4322	8380	Old Model	Old Model	8379	Old Model	From COR - SSA	105	12	374.90	364.90	356.34	10.00	8.16%	0.085	0.31	0.08	7.05
4323	8379	Old Model	From COR - SSA	8382	From COR - SSA	Old Model	158	24	366.69	356.34	356.51	10.35	-0.11%	1.236	1.29	0.54	3.96
4324	8367	From COR - SSA	From COR - SSA	8366	From COR - SSA	From COR - SSA	111	27	366.99	356.29	356.11	10.70	0.16%	1.233	1.03	0.44	7.52
4328	8358	From COR - SSA	From COR - SSA	8362	From COR - SSA	From COR - SSA	66	27	367.76	356.31	356.23	11.45	0.12%	1.271	1.37	0.38	6.26
4329	8365	From COR - SSA	From COR - SSA	8358	From COR - SSA	From COR - SSA	40	27	367.64	356.29	356.31	11.35	-0.05%	1.230	1.32	0.40	3.62
4333	8362	From COR - SSA	From COR - SSA	8364	Old Model	Old Model	57	24	366.78	356.23	356.18	10.55	0.09%	1.293	1.45	0.45	3.40
4343	6005	Old Model	Old Model	6008	AsBuilts	AsBuilts	327	42	357.83	348.12	347.84	9.71	0.09%	6.972	2.62	0.44	13.65
4344	6015	Record Drawing	Old Model	6005	Old Model	Old Model	176	42	363.18	348.26	348.12	14.92	0.08%	6.961	2.61	0.45	12.91
4345	6003	Inv+10	Straight Grade	6005	Old Model	Old Model	88	12	358.97	348.97	348.12	10.00	0.97%	0.018	0.04	0.69	2.44
4346	8342	Old Model	Old Model	8503	Old Model	Old Model	81	12	405.96	395.96	390.69	10.00	6.48%	0.094	4.71	0.09	6.26
4347	8339	Old Model	Old Model	8340	Old Model	Old Model	85	12	389.65	379.65	373.37	10.00	7.36%	0.095	3.36	0.08	6.68
4348	8332	Old Model	Old Model	8331	Old Model	Old Model	83	12	368.75	358.75	358.00	10.00	0.90%	0.186	1.84	0.19	2.19
4349	8329	From COR - SSA	From COR - SSA	8330	From COR - SSA	From COR - SSA	124	24	365.98	355.63	355.74	10.35	-0.09%	1.306	1.24	0.56	3.41
4351	8335	From COR - SSA	From COR - SSA	8310	From COR - SSA	From COR - SSA	291	24	369.78	355.43	355.47	14.35	-0.01%	1.482	1.36	0.57	0.37
4360	8466	From COR - SSA	From COR - SSA	8415	From COR - SSA	From COR - SSA	311	18	369.87	358.00	357.60	11.87	0.13%	0.324	1.42	0.24	2.32
4361	8415	From COR - SSA	From COR - SSA	8416	From COR - SSA	From COR - SSA	31	18	369.18	357.60	357.58	11.58	0.07%	0.336	1.43	0.27	1.55
4363	8408	From COR - SSA	From COR - SSA	8400	From COR - SSA	From COR - SSA	124	18	364.32	355.32	355.20	9.00	0.10%	0.344	1.15	0.29	1.94
4364	8403	From COR - SSA	From COR - SSA	8406	From COR - SSA	From COR - SSA	85	18	366.11	355.96	355.77	10.15	0.22%	0.342	1.78	0.22	3.14
4365	8400	From COR - SSA	From COR - SSA	8474	From COR - SSA	From COR - SSA	187	18	364.10	355.20	355.13	8.90	0.04%	0.359	1.43	0.32	1.07
4366	8286	From COR - SSA	From COR - SSA	8273	From COR - SSA	From COR - SSA	312	18	364.85	354.40	353.62	10.45	0.25%	0.360	1.81	0.21	3.32
4374	8310	From COR - SSA	From COR - SSA	8312	Old Model	Straight Grade	197	24	370.03	355.47	355.26	14.56	0.11%	1.519	1.39	0.50	3.65
4375	8312	Old Model	Straight Grade	8311	From COR - SSA	From COR - SSA	136	24	365.39	355.26	355.11	10.13	0.11%	1.519	1.21	0.57	3.74
4376	8311	From COR - SSA	From COR - SSA	8314	From COR - SSA	From COR - SSA	183	24	366.56	355.11	355.25	11.45	-0.08%	1.524	1.27	0.62	2.86



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4377	8314	From COR - SSA	From COR - SSA	8373	From COR - SSA	From COR - SSA	176	24	364.60	355.25	355.21	9.35	0.02%	1.554	1.51	0.52	0.83
4378	8373	From COR - SSA	From COR - SSA	8265	From COR - SSA	From COR - SSA	281	24	365.26	355.21	355.01	10.05	0.07%	1.585	1.51	0.49	2.64
4379	8115	From COR - SSA	From COR - SSA	8163	From COR - SSA	From COR - SSA	192	24	372.66	355.00	354.76	17.66	0.12%	1.630	1.51	0.48	3.97
4402	6036	Default to Legacy	Default to Legacy	6035	AsBuilts	AsBuilts	45	12	362.19	352.19	352.05	10.00	0.31%	1.051	3.57	0.74	0.35
4403	6035	AsBuilts	AsBuilts	6034	AsBuilts	AsBuilts	12	12	361.50	352.05	347.58	9.45	35.89%	1.050	7.87	0.39	8.13
4404	6034	AsBuilts	AsBuilts	6031	AsBuilts	AsBuilts	375	42	363.01	347.58	347.30	15.43	0.07%	8.016	2.50	0.50	11.24
4405	6030	AsBuilts	AsBuilts	6029	AsBuilts	AsBuilts	470	42	361.40	347.07	346.87	14.33	0.04%	8.014	2.83	0.50	6.52
4406	6029	AsBuilts	AsBuilts	6028	AsBuilts	AsBuilts	128	42	367.10	346.87	346.78	20.23	0.07%	8.012	3.86	0.43	8.46
4407	6028	AsBuilts	AsBuilts	6027	AsBuilts	AsBuilts	336	42	368.10	346.78	346.57	21.32	0.06%	8.064	2.60	0.52	7.79
4408	6017	Old Model	Old Model	6002	Old Model	Old Model	121	12	363.39	353.39	353.00	10.00	0.32%	1.050	2.91	0.69	0.37
4409	8776	Survey	Survey	6017	Old Model	Old Model	649	12	365.38	355.18	353.39	10.20	0.28%	1.051	2.82	0.69	0.26
4410	8778	Old Model	Old Model	8779	Old Model	Old Model	253	12	372.94	362.94	361.41	10.00	0.60%	0.018	1.15	0.07	1.71
4411	8777	Old Model	Old Model	8778	Old Model	Old Model	410	12	375.36	365.36	362.94	10.00	0.59%	0.016	1.06	0.06	1.90
4412	8779	Old Model	Old Model	8780	Old Model	Old Model	337	12	371.41	361.41	360.13	10.00	0.38%	0.017	1.07	0.39	1.51
4415	8774	Old Model	Old Model	8776	Survey	Survey	396	12	367.88	357.88	355.18	10.00	0.68%	1.057	5.21	0.52	0.94
4416	8748	Old Model	Old Model	8771	Old Model	Old Model	527	12	380.85	370.85	364.81	10.00	1.15%	0.056	0.92	0.10	2.62
4419	6027	AsBuilts	AsBuilts	6026	AsBuilts	AsBuilts	498	42	368.60	346.57	346.31	22.03	0.05%	8.299	2.81	0.51	7.80
4420	6026	AsBuilts	AsBuilts	6025	AsBuilts	AsBuilts	126	42	364.90	346.31	346.15	18.59	0.13%	12.140	4.50	0.52	8.71
4424	8197	Old Model	Old Model	8182	Old Model	Old Model	123	12	365.79	355.79	355.10	10.00	0.56%	0.121	1.91	0.17	1.75
4427	8175	Old Model	From COR - SSA	8177	From COR - SSA	From COR - SSA	153	24	366.58	354.66	354.96	11.92	-0.20%	1.644	1.78	0.59	5.37
4429	8241	From COR - SSA	From COR - SSA	8240	From COR - SSA	From COR - SSA	357	24	358.50	352.25	351.97	6.25	0.08%	0.456	1.44	0.23	3.98
4432	8205	From COR - SSA	From COR - SSA	8086	From COR - SSA	From COR - SSA	301	24	356.94	350.69	350.61	6.25	0.03%	0.464	1.17	0.27	2.12
4433	8211	From COR - SSA	From COR - SSA	8205	From COR - SSA	From COR - SSA	401	24	357.24	350.99	350.69	6.25	0.07%	0.463	1.20	0.22	3.87
4434	8010	Old Model	Old Model	8008	Old Model	Old Model	299	10	363.30	353.30	352.36	10.00	0.32%	0.087	1.63	0.21	0.78
4435	8148	From COR - SSA	From COR - SSA	8149	From COR - SSA	From COR - SSA	125	24	359.67	351.02	350.73	8.65	0.23%	1.868	1.91	0.44	5.77
4436	8149	From COR - SSA	From COR - SSA	8150	From COR - SSA	From COR - SSA	179	24	360.23	350.73	350.61	9.50	0.07%	1.870	1.65	0.54	2.23
4437	8101	AsBuilts	AsBuilts	8100	Survey	Survey	353	42	356.60	341.41	341.24	15.19	0.05%	10.188	2.43	0.65	5.27
4438	8108	AsBuilts	AsBuilts	8104	AsBuilts	AsBuilts	299	42	361.90	342.06	341.86	19.84	0.07%	9.185	2.53	0.59	9.02
4439	6032	AsBuilts	AsBuilts	8108	AsBuilts	AsBuilts	400	42	363.30	342.33	342.06	20.97	0.07%	10.486	2.82	0.59	7.83
4440	6033	AsBuilts	AsBuilts	6032	AsBuilts	AsBuilts	302	42	365.00	342.61	342.33	22.39	0.09%	13.422	4.23	0.58	6.01
4444	8021	Old Model	Record Drawings	8022	Old Model	Record Drawings	331	15	362.59	353.27	352.16	9.32	0.34%	0.358	1.71	0.25	2.26
4445	8031	Old Model	Straight Grade	8021	Old Model	Record Drawings	133	15	362.28	353.47	353.27	8.81	0.15%	0.357	1.88	0.33	1.40
4446	8030	Old Model	Straight Grade	8031	Old Model	Straight Grade	69	15	362.89	353.57	353.47	9.32	0.15%	0.354	1.56	0.33	1.37
4447	8764	Old Model	Straight Grade	8761	Old Model	Straight Grade	160	15	364.16	357.57	355.56	6.59	1.26%	0.343	3.62	0.18	4.73
4448	8761	Old Model	Straight Grade	8762	Old Model	Record Drawings	110	15	364.08	355.56	354.08	8.52	1.35%	0.345	2.38	0.17	4.91
4449	8763	Old Model	Straight Grade	8764	Old Model	Straight Grade	51	15	364.99	358.26	357.57	6.73	1.35%	0.332	3.46	0.18	4.93



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4450	8753	Old Model	Record Drawings	8763	Old Model	Straight Grade	277	15	365.38	362.00	358.26	3.38	1.35%	0.330	3.59	0.17	4.92
4451	8722	Old Model	Record Drawings	8754	Old Model	Straight Grade	440	12	380.49	371.35	366.19	9.14	1.17%	0.309	3.59	0.23	2.39
4452	8742	Record Dwg	Straight Grade	8731	Record Dwg	Straight Grade	348	12	391.60	376.98	376.22	14.62	0.22%	0.057	1.19	0.15	1.11
4453	8731	Record Dwg	Straight Grade	8749	Old Model	Straight Grade	166	12	390.50	376.22	375.85	14.28	0.22%	0.057	1.09	0.15	1.12
4454	8746	Old Model	Old Model	8737	Old Model	Old Model	70	12	392.31	382.31	381.52	10.00	1.13%	0.001	0.19	0.01	2.65
4455	8737	Old Model	Old Model	8738	Old Model	Old Model	135	12	387.33	381.52	381.25	5.81	0.20%	0.011	0.69	0.07	1.11
4456	8738	Old Model	Old Model	6041	Default to Legacy	Default to Legacy	240	12	391.25	381.25	380.75	10.00	0.21%	0.011	0.69	0.07	1.13
4457	6041	Default to Legacy	Default to Legacy	6043	Default to Legacy	Default to Legacy	77	12	390.75	380.75	380.60	10.00	0.19%	0.012	0.71	0.07	1.09
4458	6043	Default to Legacy	Default to Legacy	8736	Old Model	Old Model	69	12	390.60	380.60	380.45	10.00	0.22%	0.012	0.61	0.07	1.15
4459	8736	Old Model	Old Model	8735	Old Model	Old Model	422	12	390.45	380.45	379.65	10.00	0.19%	0.012	0.79	0.09	1.07
4460	8735	Old Model	Old Model	8742	Record Dwg	Straight Grade	176	12	389.65	379.65	376.98	10.00	1.52%	0.013	0.56	0.05	3.06
4461	8734	Record Dwg	Straight Grade	8742	Record Dwg	Straight Grade	107	12	391.50	377.22	376.98	14.28	0.22%	0.047	1.05	0.14	1.13
4462	8732	Record Dwg	Straight Grade	8744	Old Model	Straight Grade	288	12	392.00	378.81	378.17	13.19	0.22%	0.045	1.08	0.13	1.13
4463	8744	Old Model	Straight Grade	8733	Record Dwg	Straight Grade	75	12	387.90	378.17	378.01	9.73	0.21%	0.048	1.10	0.14	1.10
4468	6039	COR Survey	COR Survey	8706	COR Survey	COR Survey	269	12	395.59	380.59	379.74	15.00	0.32%	0.048	1.22	0.13	1.35
4469	8705	COR Survey	COR Survey	6039	COR Survey	COR Survey	110	12	395.53	381.13	380.59	14.40	0.49%	0.049	1.44	0.12	1.70
4470	8691	COR Survey	COR Survey	8705	COR Survey	COR Survey	381	12	391.31	381.81	381.13	9.50	0.18%	0.051	1.16	0.17	1.00
4471	8717	Old Model	Record Drawings	8730	Old Model	Record Drawings	488	12	388.66	373.35	372.35	15.31	0.20%	0.308	1.75	0.36	0.82
4472	8743	Old Model	Record Drawings	8717	Old Model	Record Drawings	495	12	385.80	374.35	373.35	11.45	0.20%	0.307	1.87	0.36	0.82
4473	8730	Old Model	Record Drawings	8722	Old Model	Record Drawings	460	12	381.58	372.35	371.35	9.23	0.22%	0.308	2.25	0.40	0.85
4474	8692	Old Model	Old Model	8743	Old Model	Record Drawings	136	12	385.00	374.66	374.35	10.34	0.23%	0.306	1.87	0.35	0.89
4475	8693	Old Model	Record Drawings	8692	Old Model	Old Model	298	12	385.60	375.35	374.66	10.25	0.23%	0.293	1.89	0.34	0.91
4481	8003	Old Model	Record Drawings	8002	Old Model	Record Drawing	278	15	360.45	350.53	350.20	9.92	0.12%	0.380	1.32	0.34	1.18
4482	8014	COR Sewer Map Book	Record Drawings	7992	Old Model	Record Drawings	217	15	356.75	351.78	350.82	4.97	0.44%	0.363	1.87	0.23	2.64
4483	8023	Record Drawings	Record Drawings	8013	Record Drawings	Record Drawings	154	15	359.00	352.07	351.89	6.93	0.12%	0.359	1.04	0.40	1.19
4484	8022	Old Model	Record Drawings	8023	Record Drawings	Record Drawings	72	15	362.16	352.16	352.07	10.00	0.12%	0.357	1.27	0.37	1.24
4487	8107	AsBuilts	AsBuilts	8108	AsBuilts	AsBuilts	267	12	359.90	345.17	342.06	14.73	1.16%	0.105	1.58	0.21	1.13
4489	8104	AsBuilts	AsBuilts	8103	AsBuilts	AsBuilts	275	42	361.40	341.86	341.71	19.54	0.05%	9.292	2.64	0.61	7.15
4490	8103	AsBuilts	AsBuilts	8102	AsBuilts	AsBuilts	334	42	360.60	341.71	341.54	18.89	0.05%	15.213	4.13	0.64	-6.59
4491	8102	AsBuilts	AsBuilts	8101	AsBuilts	AsBuilts	260	42	358.50	341.54	341.41	16.96	0.05%	11.406	2.74	0.66	4.34
4492	8100	Survey	Survey	8099	Survey	Survey	100	42	356.04	341.24	341.34	14.80	-0.10%	9.728	2.43	0.65	12.57
4493	7922	Survey	Survey	7913	Survey	Survey	28	18	354.36	349.01	341.16	5.35	27.68%	0.691	10.76	0.11	32.16
4494	7992	Old Model	Record Drawings	8003	Old Model	Record Drawings	257	15	360.71	350.82	350.53	9.89	0.11%	0.380	1.57	0.35	1.14



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Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4497	7966	Record Drawings	Record Drawings	7965	Record Drawings	Record Drawings	217	30	358.50	342.64	342.39	15.86	0.12%	2.064	2.25	0.33	7.68
4504	7985	Old Model	Record Drawings	JCT_MP-378	Record Drawings	Record Drawings	49	10	361.38	351.65	340.39	9.73	22.87%	0.059	5.34	0.07	5.92
4505	8088	Old Model	Old Model	8092	Old Model	Old Model	104	12	362.09	352.09	351.92	10.00	0.16%	0.069	1.27	0.20	0.94
4513	7775	Old Model	Old Model	7795	Old Model	Old Model	290	12	391.33	387.03	385.49	4.30	0.53%	0.002	0.52	0.03	1.82
4514	7783	Record Drawings	Record Drawings	7784	Record Drawings	Record Drawings	187	12	390.04	384.54	383.97	5.50	0.30%	0.003	0.59	0.04	1.37
4515	7784	Record Drawings	Record Drawings	7786	COR Survey	COR Survey	50	12	390.87	383.97	383.38	6.90	1.18%	0.004	1.17	0.03	2.59
4516	8702	Old Model	Old Model	8700	COR Sewer Map Book	COR Sewer Map Book	286	12	375.00	365.00	360.24	10.00	1.67%	0.095	2.62	0.12	3.12
4517	8703	COR Sewer Map Book	COR Sewer Map Book	8702	Old Model	Old Model	93	12	383.70	367.46	365.00	16.24	2.64%	0.095	3.05	0.11	3.96
4518	7787	Old Model	Record Drawings	8693	Old Model	Record Drawings	547	12	385.51	376.35	375.35	9.16	0.18%	0.293	1.81	0.38	0.77
4519	7897	Old Model	Old Model	7787	Old Model	Record Drawings	504	12	387.35	377.35	376.35	10.00	0.20%	0.292	1.76	0.35	0.82
4520	7887	Old Model	Straight Grade	7891	Old Model	Record Drawings	315	12	393.00	378.97	378.35	14.03	0.20%	0.288	1.81	0.36	0.82
4521	7777	COR Survey	COR Survey	8691	COR Survey	COR Survey	399	12	389.61	382.76	381.81	6.85	0.24%	0.060	1.22	0.15	1.16
4522	7786	COR Survey	COR Survey	7777	COR Survey	COR Survey	155	12	390.68	383.38	382.76	7.30	0.40%	0.059	1.43	0.13	1.52
4523	7785	COR Survey	COR Survey	7786	COR Survey	COR Survey	79	12	391.62	384.02	383.38	7.60	0.81%	0.098	3.12	0.13	2.06
4527	7890	Old Model	Record Drawings	7887	Old Model	Straight Grade	140	12	388.80	379.25	378.97	9.55	0.20%	0.258	1.67	0.33	0.86
4528	9112	COR Sewer Map Book	COR Sewer Map Book	7888	Old Model	Record Drawings	481	12	393.86	381.38	380.25	12.48	0.24%	0.257	1.81	0.31	0.95
4530	7879	COR Sewer Map Book	COR Sewer Map Book	7878	COR Sewer Map Book	COR Sewer Map Book	156	12	394.40	384.00	383.66	10.40	0.22%	0.013	0.82	0.09	1.15
4532	7649	Old Model	Old Model	7702	Old Model	Old Model	125	12	367.07	357.07	355.07	10.00	1.60%	0.014	1.20	0.05	3.14
4536	7676	Old Model	Old Model	7663	Old Model	Old Model	322	15	362.52	352.52	351.80	10.00	0.22%	0.032	0.93	0.09	2.11
4540	7648	Record Drawings	Record Drawings	7647	Old Model	Old Model	407	54	356.70	339.57	339.43	17.13	0.03%	10.709	2.09	0.50	14.82
4541	7647	Old Model	Old Model	7679	Record Drawings	Record Drawings	428	54	353.80	339.43	339.28	14.37	0.04%	10.678	2.07	0.50	15.09
4542	7679	Record Drawings	Record Drawings	7646	Record Drawings	Record Drawings	418	54	353.10	339.28	339.14	13.82	0.03%	10.675	2.06	0.50	14.53
4543	7678	Record Drawings	Record Drawings	7679	Record Drawings	Record Drawings	41	10	353.00	343.28	339.28	9.72	9.71%	0.108	5.84	0.12	3.06
4544	7659	Record Drawings	Record Drawings	7678	Record Drawings	Record Drawings	72	10	352.50	343.56	343.28	8.94	0.39%	0.037	1.20	0.16	0.73
4545	7669	Record Drawings	Record Drawings	7667	Record Drawings	Record Drawings	28	10	353.00	344.69	344.60	8.31	0.32%	0.018	0.97	0.12	0.70
4547	7748	Old Model	Record Drawings	7750	Old Model	Record Drawings	37	10	359.52	348.79	348.65	10.73	0.38%	0.017	0.85	0.10	0.74
4550	7487	Record Drawings	Record Drawings	7394	Record Drawings	Old Model	442	54	353.80	338.85	338.68	14.95	0.04%	10.622	2.03	0.50	16.40
4552	6930	Default to Legacy	Default to Legacy	7506	Old Model	Old Model	96	10	356.13	346.13	345.92	10.00	0.22%	0.039	1.06	0.16	0.68



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4554	7664	Old Model	Old Model	7665	Old Model	Old Model	299	15	361.08	351.08	350.36	10.00	0.24%	0.039	1.06	0.09	2.18
4555	7665	Old Model	Old Model	7479	Old Model	Old Model	300	15	360.36	350.36	349.64	10.00	0.24%	0.039	1.02	0.09	2.18
4556	7479	Old Model	Old Model	7434	Old Model	Old Model	282	15	359.64	349.64	348.92	10.00	0.25%	0.039	1.14	0.10	2.24
4557	7434	Old Model	Old Model	7433	Old Model	Old Model	356	15	358.92	348.92	347.24	10.00	0.47%	0.040	0.90	0.08	3.06
4558	7433	Old Model	Old Model	7438	Survey	Survey	374	15	357.24	347.24	346.87	10.00	0.10%	0.042	0.82	0.13	1.39
4559	7438	Survey	Survey	7439	Survey	Survey	365	15	355.22	346.87	345.35	8.35	0.42%	0.042	1.18	0.10	2.23
4560	7441	Survey	Survey	7440	Survey	Survey	35	18	357.07	344.82	342.67	12.25	6.17%	0.652	5.03	0.18	11.17
4561	7395	Record Drawings	Record Drawings	JCT_MP-362	Record Drawings	Record Drawings	41	18	358.20	342.46	338.50	15.74	9.78%	1.192	12.37	0.43	16.95
4562	7427	Old Model	Record Drawings	7426	Old Model	Record Drawings	188	10	354.96	346.07	345.51	8.89	0.30%	0.039	1.08	0.15	0.80
4564	7731	Old Model	Old Model	7732	Old Model	Old Model	19	10	375.02	365.02	364.78	10.00	1.25%	0.160	2.48	0.21	1.56
4565	7469	Old Model	Old Model	7468	Old Model	Old Model	10	10	370.00	360.00	359.22	10.00	7.49%	0.169	2.36	0.14	4.04
4603	7060	Old Model	Old Model	7062	Old Model	Old Model	93	10	376.76	366.76	363.53	10.00	3.47%	0.232	3.06	0.19	2.63
4604	7062	Old Model	Old Model	7064	Old Model	Old Model	165	10	373.53	363.53	362.65	10.00	0.54%	0.232	2.91	0.34	0.89
4605	7095	Old Model	Old Model	7057	Old Model	Old Model	220	10	363.00	353.00	352.00	10.00	0.45%	0.001	0.02	0.02	1.03
4610	7038	Old Model	Old Model	7044	Old Model	Old Model	90	12	354.49	344.49	344.48	10.00	0.01%	0.005	0.31	0.08	0.26
4613	7036	Assumed	Straight Grade	7034	Record Drawings	Record Drawings	28	10	355.00	342.17	337.64	12.83	16.31%	0.028	4.69	0.06	4.98
4614	6990	Old Model	Old Model	6991	Old Model	Old Model	52	10	366.66	356.66	356.06	10.00	1.15%	0.026	1.78	0.09	1.62
4620	6345	Old Model	Straight Grade	6344	Record Dwg	Straight Grade	148	10	360.40	350.74	350.40	9.66	0.23%	0.002	0.40	0.04	0.74
4621	6344	Record Dwg	Straight Grade	6333	COR Sewer Map Book	Straight Grade	184	10	357.30	350.40	349.97	6.90	0.23%	0.003	0.17	0.04	0.74
4622	6333	COR Sewer Map Book	Straight Grade	6340	COR Sewer Map Book	Straight Grade	315	10	355.20	349.97	349.23	5.23	0.23%	0.035	1.90	0.16	0.66
4623	6340	COR Sewer Map Book	Straight Grade	6338	COR Sewer Map Book	COR Sewer Map Book	204	10	354.35	349.23	348.75	5.12	0.23%	0.074	1.88	0.19	0.59
4624	6338	COR Sewer Map Book	COR Sewer Map Book	6339	COR Sewer Map Book	COR Sewer Map Book	147	10	353.82	348.75	348.28	5.07	0.32%	0.037	1.13	0.15	0.73
4625	6335	Old Model	Old Model	6336	AsBuilts	AsBuilts	139	10	354.90	347.57	347.17	7.33	0.29%	0.281	2.98	0.45	0.43
4631	6369	Old Model	Old Model	6353	Old Model	Old Model	303	12	377.52	367.52	366.63	10.00	0.29%	0.180	1.76	0.25	1.17
4636	6371	Inv+10	AsBuilts	6372	AsBuilts	Old Model	247	12	349.84	339.84	339.14	10.00	0.28%	0.078	1.37	0.20	1.04
4637	6370	AsBuilts	Old Model	6371	Inv+10	AsBuilts	220	12	352.24	340.47	339.84	11.77	0.29%	0.084	1.46	0.17	1.25
4638	6387	Old Model	Old Model	6370	AsBuilts	Old Model	234	12	352.24	341.08	340.47	11.16	0.26%	0.232	3.24	0.23	0.93
4639	6381	Old Model	Old Model	6387	Old Model	Old Model	119	12	351.43	341.43	341.08	10.00	0.29%	0.102	2.06	0.25	1.04
4640	6388	Old Model	Old Model	6381	Old Model	Old Model	364	12	352.43	342.43	341.43	10.00	0.27%	0.012	0.96	0.08	1.16
4641	6389	Old Model	Old Model	6388	Old Model	Old Model	194	12	352.96	342.96	342.43	10.00	0.27%	0.012	0.70	0.07	1.29
4643	6380	AsBuilts	AsBuilts	6381	Old Model	Old Model	387	12	351.97	342.81	341.43	9.16	0.36%	0.058	1.71	0.15	1.32
4651	7042	Record Drawings	Record Drawings	JCT_MP-356	Record Drawings	Record Drawings	21	10	355.00	346.49	337.46	8.51	42.16%	0.015	4.02	0.03	7.12
4652	7043	Old Model	Old Model	7039	COR Sewer Map Book	COR Sewer Map Book	166	12	352.98	342.98	342.30	10.00	0.41%	0.014	1.19	0.07	1.58
4655	7048	Old Model	Old Model	7046	Old Model	Old Model	232	12	359.69	349.69	348.00	10.00	0.73%	0.258	3.09	0.25	1.87
4656	7059	Old Model	Old Model	7057	Old Model	Old Model	194	12	369.00	359.00	352.00	10.00	3.60%	0.030	0.82	0.06	4.71
4657	7063	Old Model	Old Model	7059	Old Model	Old Model	193	10	383.12	373.12	359.00	10.00	7.33%	0.015	2.33	0.04	4.14
4658	7058	Old Model	Old Model	7063	Old Model	Old Model	264	10	385.85	375.85	373.12	10.00	1.03%	0.014	1.70	0.07	1.55
4659	7334	Old Model	Old Model	7058	Old Model	Old Model	152	10	387.12	377.12	375.85	10.00	0.83%	0.013	1.18	0.07	1.39
4660	7258	Old Model	Old Model	6790	Inv+10	Straight Grade	245	10	396.25	386.25	383.10	10.00	1.28%	0.005	1.00	0.04	1.73
4661	6790	Inv+10	Straight Grade	7335	Old Model	Old Model	78	10	393.10	383.10	382.10	10.00	1.28%	0.006	1.00	0.04	1.73



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Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4676	7315	Old Model	Old Model	7316	Old Model	Old Model	12	10	404.19	394.19	394.02	10.00	1.42%	0.037	0.73	0.11	1.79
4688	7024	Inv+10	Record Drawings	JCT_MP-354	Straight Grade	Straight Grade	19	12	356.95	346.95	335.57	10.00	59.00%	0.545	19.60	0.20	18.48
4693	7168	Inv+10	Record Drawings	6627	Inv+10	Record Drawings	381	10	399.78	389.78	388.85	10.00	0.24%	0.177	1.75	0.34	0.58
4694	6627	Inv+10	Record Drawings	6628	Inv+10	Record Drawings	93	10	398.85	388.85	388.58	10.00	0.29%	0.177	1.77	0.32	0.65
4695	6628	Inv+10	Record Drawings	6599	Inv+10	Record Drawings	357	10	398.58	388.58	387.69	10.00	0.25%	0.177	1.75	0.33	0.59
4708	7212	Old Model	Old Model	7104	Old Model	Old Model	177	10	403.55	393.55	393.16	10.00	0.22%	0.081	1.34	0.23	0.64
4720	6324	Inv+10	Straight Grade	6322	Record Drawings	Record Drawings	253	12	397.97	387.97	387.48	10.00	0.19%	0.537	2.23	0.53	0.56
4733	1041	Old Model	Old Model	1040	Old Model	Old Model	285	12	406.70	391.04	390.50	15.66	0.19%	0.022	0.86	0.11	1.06
4734	1039	Old Model	Old Model	1038	Old Model	Old Model	398	12	402.80	389.50	388.50	13.30	0.25%	0.022	0.76	0.21	1.22
4735	1038	Old Model	Old Model	1037	Old Model	Old Model	397	12	401.90	388.50	387.60	13.40	0.23%	0.056	1.40	0.28	1.18
4736	1037	Old Model	Old Model	1036	Old Model	Old Model	401	12	403.90	387.60	386.60	16.30	0.25%	0.051	1.27	0.20	1.18
4737	306	Old Model	Old Model	305	Old Model	Old Model	398	12	404.30	385.70	384.72	18.60	0.25%	0.047	1.14	0.13	1.19
4738	304	Old Model	Old Model	303	Old Model	Old Model	243	12	403.50	383.74	382.80	19.76	0.39%	0.047	1.46	0.13	1.51
4739	303	Old Model	Old Model	272	Old Model	Old Model	111	12	403.80	382.80	381.20	21.00	1.45%	0.066	2.47	0.11	2.93
4742	272	Old Model	Old Model	284	Old Model	Old Model	308	12	405.50	381.20	375.38	24.30	1.89%	0.067	2.65	0.10	3.36
4743	284	Old Model	Old Model	283	Old Model	Old Model	329	12	398.00	375.38	368.12	22.62	2.21%	0.072	2.85	0.10	3.64
4744	283	Old Model	Old Model	281	Old Model	Old Model	245	12	380.15	368.12	362.80	12.03	2.17%	0.072	2.14	0.10	3.60
4745	282	Old Model	Old Model	286	Old Model	Old Model	196	12	374.16	360.95	360.01	13.21	0.48%	0.073	2.15	0.16	1.65
4757	405	Old Model	Old Model	401	Old Model	Old Model	286	15	369.15	359.15	358.34	10.00	0.28%	1.405	4.51	0.58	1.00
4758	401	Old Model	Old Model	484	Old Model	Old Model	406	15	368.34	358.34	357.69	10.00	0.16%	0.570	2.50	0.44	1.24
4759	484	Old Model	Old Model	477	Old Model	Old Model	458	15	367.69	357.69	356.79	10.00	0.20%	0.475	2.09	0.35	1.53
4760	477	Old Model	Old Model	476	Old Model	Old Model	362	15	366.79	356.79	355.93	10.00	0.24%	0.457	2.17	0.32	1.75
4761	476	Old Model	Old Model	475	Old Model	Old Model	345	15	365.93	355.93	355.17	10.00	0.22%	0.446	2.05	0.31	1.68
4762	475	Old Model	Old Model	470	Old Model	Old Model	459	15	365.17	355.17	354.34	10.00	0.18%	0.440	1.97	0.34	1.48
4763	470	Old Model	Old Model	471	Old Model	Old Model	396	15	364.34	354.34	353.58	10.00	0.19%	0.436	1.95	0.32	1.55
4773	626	Old Model	Old Model	632	Old Model	Old Model	385	10	541.35	531.35	530.23	10.00	0.29%	0.003	0.42	0.05	0.82
4833	4123	Old Model	Old Model	1170	Old Model	Old Model	440	30	348.75	338.75	338.31	10.00	0.10%	4.288	2.69	0.51	4.80
4834	1170	Old Model	Old Model	1171	Old Model	Old Model	440	30	348.31	338.31	337.87	10.00	0.10%	4.269	2.68	0.51	4.81
4835	1171	Old Model	Old Model	1172	Old Model	Old Model	444	30	347.87	337.87	337.43	10.00	0.10%	4.253	2.68	0.51	4.79
4836	1172	Old Model	Old Model	1173	Old Model	Old Model	436	30	347.43	337.43	336.99	10.00	0.10%	4.248	2.68	0.50	4.88
4837	1173	Old Model	Old Model	1174	Old Model	Old Model	445	30	346.99	336.99	336.54	10.00	0.10%	4.243	2.69	0.50	4.89
4838	1174	Old Model	Old Model	1175	Old Model	Old Model	440	30	346.54	336.54	336.09	10.00	0.10%	4.239	2.66	0.50	4.94
4839	1175	Old Model	Old Model	1176	Old Model	Old Model	468	30	346.09	336.09	335.64	10.00	0.10%	4.235	2.66	0.51	4.67
4840	1176	Old Model	Old Model	1199	Old Model	Old Model	435	30	345.64	335.64	335.19	10.00	0.10%	4.232	2.63	0.50	5.00
4841	1194	Old Model	Old Model	2180	Old Model	Old Model	470	30	344.72	334.72	333.75	10.00	0.21%	4.735	3.14	0.45	8.31
4842	2180	Old Model	Old Model	1193	Old Model	Record Drawings	228	36	343.75	333.75	333.33	10.00	0.18%	8.239	3.54	0.68	11.80
4843	2150	Old Model	Old Model	2180	Old Model	Old Model	462	24	345.82	335.82	333.75	10.00	0.45%	7.546	6.94	0.77	0.08
4844	2151	Old Model	Old Model	2150	Old Model	Old Model	398	24	346.58	336.58	335.82	10.00	0.19%	2.324	2.91	0.43	4.60
4845	2179	Old Model	Old Model	2151	Old Model	Old Model	351	24	347.29	337.29	336.58	10.00	0.20%	2.154	2.94	0.39	4.97
4846	1104	Old Model	Old Model	10	Old Model	Old Model	10	10	348.40	336.50	0.00	11.90	3217.29%	0.589	3.73	0.57	0.47
4867	6315	Old Model	Old Model	6313	Old Model	Old Model	124	10	407.50	397.50	393.60	10.00	3.15%	0.097	3.55	0.13	2.63
4887	6599	Inv+10	Record Drawings	6596	Inv+10	Record Drawings	273	10	397.69	387.69	387.00	10.00	0.25%	0.177	1.75	0.33	0.60



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
4888	6596	Inv+10	Record Drawings	6637	Inv+10	Record Drawings	909	10	397.00	387.00	384.68	10.00	0.26%	0.177	1.78	0.33	0.60
4889	6637	Inv+10	Record Drawings	6643	Inv+10	Record Drawings	452	10	394.68	384.68	383.48	10.00	0.27%	0.177	1.64	0.32	0.61
4890	6643	Inv+10	Record Drawings	6642	Inv+10	Record Drawings	235	10	393.48	383.48	383.03	10.00	0.19%	0.177	1.63	0.37	0.49
4898	6610	Record Drawings	Record Drawings	6608	Record Drawings	Record Drawings	97	54	354.92	334.82	334.84	20.10	-0.02%	11.597	2.37	0.50	8.21
4899	6602	Record Drawings	Record Drawings	6697	Record Drawings	Record Drawings	618	54	356.46	334.57	334.30	21.89	0.04%	11.598	2.54	0.46	17.17
4909	2163	Old Model	Old Model	2162	Old Model	Old Model	385	21	355.55	345.55	344.83	10.00	0.19%	2.155	3.11	0.51	2.64
4910	2164	Old Model	Old Model	2163	Old Model	Old Model	126	21	355.71	345.71	345.55	10.00	0.13%	0.796	1.11	0.44	3.16
4911	2165	Old Model	Old Model	2164	Old Model	Old Model	357	21	356.62	346.62	345.71	10.00	0.25%	0.797	1.68	0.25	4.80
4912	2166	Old Model	Old Model	2165	Old Model	Old Model	295	21	357.36	347.36	346.62	10.00	0.25%	0.797	2.49	0.26	4.76
4913	2167	Old Model	Old Model	2166	Old Model	Old Model	211	21	357.99	347.99	347.36	10.00	0.30%	0.797	2.55	0.25	5.27
4914	2168	Old Model	Old Model	2167	Old Model	Old Model	353	21	365.78	355.78	347.99	10.00	2.21%	0.797	3.65	0.15	15.69
4915	2173	Old Model	Old Model	2172	Old Model	Old Model	497	21	410.39	400.39	400.32	10.00	0.01%	0.798	1.43	0.45	0.52
4916	2152	Old Model	Old Model	2153	Old Model	Old Model	45	12	484.56	474.56	466.93	10.00	17.01%	1.339	9.77	0.24	9.03
4917	2181	Old Model	Old Model	2152	Old Model	Old Model	440	12	486.78	476.78	474.56	10.00	0.50%	1.339	4.78	0.84	0.43
4926	4503	Asbuilts - Check vs Old Model	Asbuilts	2149	Old Model	Old Model	294	16	510.20	499.30	490.65	10.90	2.94%	0.641	5.95	0.18	8.57
4927	2149	Old Model	Old Model	2146	Old Model	Old Model	307	16	500.65	490.65	479.74	10.00	3.55%	0.644	5.52	0.17	9.48
4928	2146	Old Model	Old Model	2144	Old Model	Old Model	194	16	489.74	479.74	472.81	10.00	3.57%	0.688	7.49	0.20	9.47
4929	2144	Old Model	Old Model	2143	Old Model	Old Model	198	16	482.81	472.81	430.34	10.00	21.42%	0.688	3.39	0.11	24.47
5122	615	Old Model	Old Model	674	Old Model	Old Model	290	10	481.86	474.74	473.82	7.12	0.32%	0.579	2.54	0.61	0.29
5123	674	Old Model	Old Model	681	Old Model	Old Model	286	10	483.82	473.82	472.95	10.00	0.30%	0.596	2.50	0.63	0.25
5137	650	Old Model	Old Model	649	Old Model	Old Model	149	10	535.15	525.15	524.71	10.00	0.29%	0.030	1.06	0.13	0.80
5138	640	Old Model	Old Model	648	Old Model	Old Model	232	10	533.56	523.56	522.64	10.00	0.40%	0.061	1.41	0.17	0.90
5139	641	Old Model	Old Model	643	Old Model	Old Model	306	10	536.77	526.77	525.95	10.00	0.27%	0.025	1.02	0.12	0.77
5140	652	Old Model	Old Model	651	Old Model	Old Model	404	10	539.11	529.11	527.99	10.00	0.28%	0.009	0.72	0.07	0.80
5141	651	Old Model	Old Model	641	Old Model	Old Model	378	10	537.99	527.99	526.77	10.00	0.32%	0.012	0.62	0.08	0.86
5142	643	Old Model	Old Model	650	Old Model	Old Model	216	10	535.95	525.95	525.15	10.00	0.37%	0.028	1.13	0.12	0.91
5143	644	Old Model	Old Model	717	Old Model	Old Model	329	10	530.17	520.17	519.00	10.00	0.36%	0.064	1.91	0.20	0.85
5352	6684	Old Model	Old Model	6725	Default to Legacy	Default to Legacy	140	12	361.90	351.90	351.69	10.00	0.15%	0.287	1.59	0.39	0.68
5411	6692	Old Model	Old Model	6694	Old Model	Old Model	118	12	361.05	351.05	350.86	10.00	0.16%	0.305	1.63	0.39	0.70
5424	6703	Record Drawings	Record Drawings	6693	Record Drawings	Record Drawings	105	54	357.20	333.90	333.74	23.30	0.15%	11.784	2.72	0.43	41.88
5425	6693	Record Drawings	Record Drawings	6669	Record Drawings	Record Drawings	477	54	357.44	333.74	333.47	23.70	0.06%	11.786	2.69	0.44	20.97
5460	2198	Asbuilts - Check vs Old Model	Old Model	2207	Old Model	Old Model	450	15	552.09	535.12	532.77	16.97	0.52%	0.196	2.36	0.17	3.07
5462	2175	Old Model	Old Model	2174	Old Model	Old Model	243	21	411.68	401.68	401.44	10.00	0.10%	0.776	1.98	0.34	2.71
5463	2176	Old Model	Old Model	2175	Old Model	Old Model	55	21	437.26	427.26	401.68	10.00	46.24%	0.777	3.40	0.07	79.34
5464	2177	Old Model	Old Model	2176	Old Model	Old Model	76	21	440.69	427.44	427.26	13.25	0.24%	0.777	3.46	0.33	4.63
5465	2185	Old Model	Old Model	2183	Old Model	Old Model	308	21	440.40	428.60	428.04	11.80	0.18%	0.696	2.29	0.29	3.86
5467	2187	Old Model	Old Model	2185	Old Model	Old Model	91	21	438.79	428.79	428.60	10.00	0.21%	0.697	1.98	0.27	4.37



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
5470	2196	Old Model	Old Model	2189	Old Model	Old Model	179	21	439.45	429.45	429.07	10.00	0.21%	0.697	2.26	0.26	4.41
5471	2182	Old Model	Old Model	2195	Old Model	Old Model	63	21	439.79	429.79	429.62	10.00	0.27%	0.687	1.92	0.26	5.05
5535	690	Old Model	Old Model	683	Old Model	Old Model	476	10	474.83	458.77	456.19	16.06	0.54%	0.724	3.08	0.58	0.41
5536	688	Default to Legacy	Default to Legacy	692	Old Model	Old Model	323	10	476.88	467.72	466.44	9.16	0.40%	0.027	0.23	0.12	0.94
5538	677	Old Model	Old Model	692	Old Model	Old Model	317	10	478.13	468.13	466.44	10.00	0.53%	0.616	2.68	0.53	0.50
5539	744	Default to Legacy	Default to Legacy	677	Old Model	Old Model	153	10	480.54	469.01	468.13	11.53	0.57%	0.609	3.20	0.53	0.55
5540	678	Old Model	Old Model	744	Default to Legacy	Default to Legacy	148	10	480.08	470.08	469.01	10.00	0.72%	0.605	3.36	0.48	0.70
5541	679	Old Model	Old Model	678	Old Model	Old Model	300	10	481.53	471.53	470.08	10.00	0.48%	0.601	3.21	0.56	0.47
5551	669	Old Model	Old Model	739	Old Model	Old Model	139	12	484.29	474.29	474.08	10.00	0.15%	0.283	1.80	0.39	0.68
5552	739	Old Model	Old Model	709	Old Model	Old Model	522	12	489.18	474.08	473.09	15.10	0.19%	0.275	1.96	0.38	0.81
5563	2154	Old Model	Old Model	2155	Old Model	Old Model	295	12	452.15	442.15	401.12	10.00	13.91%	1.348	12.67	0.26	8.00
5564	2174	Old Model	Old Model	2173	Old Model	Old Model	474	21	411.44	401.44	400.39	10.00	0.22%	0.776	1.55	0.26	4.44
5565	2169	Old Model	Old Model	2168	Old Model	Old Model	421	21	401.07	391.07	355.78	10.00	8.38%	0.797	6.78	0.11	31.38
5566	2172	Old Model	Old Model	2171	Old Model	Old Model	120	21	410.32	400.32	400.17	10.00	0.13%	0.797	2.25	0.32	3.13
5567	2171	Old Model	Old Model	2170	Old Model	Old Model	175	21	410.17	400.17	399.10	10.00	0.61%	0.797	3.97	0.24	7.87
5568	2170	Old Model	Old Model	2169	Old Model	Old Model	195	21	409.10	399.10	391.07	10.00	4.13%	0.797	7.27	0.14	21.75
5569	2160	Old Model	Old Model	2163	Old Model	Old Model	108	15	357.23	347.23	345.55	10.00	1.56%	1.359	3.37	0.33	4.29
5570	6301	Record Drawings	Record Drawings	6297	Record Drawings	Record Drawings	481	12	392.68	382.68	381.68	10.00	0.21%	0.538	2.03	0.48	0.60
5571	6297	Record Drawings	Record Drawings	6302	Record Drawings	Record Drawings	692	12	391.68	381.68	380.28	10.00	0.20%	0.537	2.34	0.55	0.59
5572	6302	Record Drawings	Record Drawings	6303	Record Drawings	Record Drawings	507	12	390.28	380.28	377.61	10.00	0.53%	0.537	2.27	0.37	1.28
5573	6305	Record Drawings	Record Drawings	6304	Old Model	Record Drawings	79	12	386.81	376.81	376.42	10.00	0.49%	0.537	3.31	0.44	1.21
5590	6286	Old Model	Old Model	6284	Old Model	Old Model	400	12	357.50	347.50	344.90	10.00	0.65%	0.175	2.55	0.21	1.84
5591	6331	Old Model	Old Model	6286	Old Model	Old Model	380	12	358.60	348.60	347.50	10.00	0.29%	0.174	1.95	0.26	1.17
5592	6392	Old Model	Old Model	6331	Old Model	Old Model	400	12	359.70	349.70	348.60	10.00	0.27%	0.173	1.73	0.25	1.14
5593	6391	Old Model	Old Model	6392	Old Model	Old Model	400	12	360.90	350.90	349.70	10.00	0.30%	0.174	1.83	0.24	1.19
5594	6349	Old Model	Old Model	6391	Old Model	Old Model	390	12	365.00	355.00	350.90	10.00	1.05%	0.175	2.28	0.18	2.38
5595	6358	Old Model	Old Model	6349	Old Model	Old Model	270	12	369.00	359.00	355.00	10.00	1.48%	0.175	3.07	0.16	2.86
5596	6357	Old Model	Old Model	6358	Old Model	Old Model	153	12	371.70	361.70	359.00	10.00	1.76%	0.176	3.36	0.16	3.14
5597	6356	Old Model	Old Model	6357	Old Model	Old Model	209	12	372.40	362.40	361.70	10.00	0.33%	0.176	2.31	0.26	1.27
5598	6355	Old Model	Old Model	6356	Old Model	Old Model	260	12	374.45	364.45	362.40	10.00	0.79%	0.177	2.09	0.19	2.04
5599	6354	Old Model	Old Model	6355	Old Model	Old Model	140	12	375.71	365.71	364.45	10.00	0.90%	0.177	2.67	0.19	2.19
5601	6669	Record Drawings	Record Drawings	6670	Record Drawings	Record Drawings	373	54	356.12	333.47	333.38	22.65	0.02%	11.787	2.96	0.44	9.59
5602	6670	Record Drawings	Record Drawings	6677	Record Drawings	Record Drawings	170	54	356.50	333.38	332.41	23.12	0.57%	11.788	2.36	0.38	92.13
5603	6677	Record Drawings	Record Drawings	6577	Record Drawings	Record Drawings	187	54	357.71	332.41	332.81	25.30	-0.21%	11.788	2.10	0.60	51.85
5644	1835	Old Model	Old Model	1834	Default to Legacy	Default to Legacy	326	10	517.31	505.56	504.74	11.75	0.25%	0.014	0.87	0.10	0.76
5645	1834	Default to Legacy	Default to Legacy	1847	Default to Legacy	Default to Legacy	168	10	519.79	504.74	503.51	15.05	0.73%	0.017	0.98	0.08	1.29



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Appendix G - Committed Model Results

Pipe ID	Upstream Manhole			Downstream Manhole			f	f	f	f	c	c	f	f	f	f	
	ID	Rim Source	Invert Source	ID	Rim Source	Invert Source	Length (ft)	Size (in)	Ground Up	Invert Up	Invert Down	Depth Up (ft)	Slope	Max Flow (mgd)	Max Velocity (ft/s)	Max d/D	Reserve Capacity (mgd)
5652	2321	Default to Legacy	Default to Legacy	2303	Default to Legacy	Default to Legacy	287	10	515.41	507.26	506.47	8.15	0.28%	0.062	1.39	0.20	0.74
5653	2303	Default to Legacy	Default to Legacy	2302	Default to Legacy	Default to Legacy	80	10	514.77	506.47	506.15	8.30	0.40%	0.063	1.50	0.17	0.91
5654	2302	Default to Legacy	Default to Legacy	2301	Default to Legacy	Default to Legacy	75	10	515.26	506.15	505.84	9.11	0.41%	0.063	1.57	0.18	0.92
5655	2301	Default to Legacy	Default to Legacy	2300	Default to Legacy	Default to Legacy	94	10	514.19	505.84	505.34	8.35	0.53%	0.065	1.66	0.16	1.05
5693	4195	Old Model	Old Model	3953	Old Model	Old Model	50	12	533.69	523.69	523.69	10.00	0.00%	0.275	1.76	0.43	-0.16
5733	4072	Old Model	Old Model	912	Default to Legacy	Default to Legacy	153	12	511.54	503.09	496.88	8.45	4.07%	0.334	5.55	0.18	4.70
5792	692	Old Model	Old Model	691	Old Model	Old Model	306	10	477.36	466.44	465.07	10.92	0.45%	0.716	3.75	0.71	0.31
5793	691	Old Model	Old Model	690	Old Model	Old Model	202	10	475.07	465.07	458.77	10.00	3.11%	0.723	4.48	0.35	1.99
5794	683	Old Model	Old Model	684	Old Model	Old Model	417	10	466.12	456.19	454.77	9.93	0.34%	0.730	2.53	0.69	0.17
5795	684	Old Model	Old Model	682	Old Model	Old Model	293	12	464.77	454.77	453.55	10.00	0.42%	1.260	3.63	0.73	0.35
5797	717	Old Model	Old Model	716	Old Model	Old Model	289	10	529.00	519.00	509.12	10.00	3.42%	0.064	0.97	0.10	2.78
5798	716	Old Model	Old Model	715	Old Model	Old Model	97	10	519.12	509.12	509.00	10.00	0.12%	0.155	1.40	0.38	0.38
5799	715	Old Model	Old Model	714	Old Model	Old Model	172	10	519.00	509.00	508.40	10.00	0.35%	0.155	2.49	0.32	0.75
5800	714	Old Model	Old Model	711	Old Model	Old Model	164	10	518.40	508.40	500.00	10.00	5.13%	0.158	4.21	0.15	3.32
5803	709	Old Model	Old Model	708	Old Model	Old Model	428	12	483.09	473.09	472.10	10.00	0.23%	0.239	1.80	0.30	0.96
5804	706	Old Model	Old Model	708	Old Model	Old Model	125	10	494.25	484.25	472.10	10.00	9.69%	0.195	2.91	0.14	4.59
5820	708	Old Model	Old Model	720	Old Model	Old Model	232	12	482.10	472.10	471.45	10.00	0.28%	0.384	1.86	0.37	0.94
5821	720	Old Model	Old Model	698	Old Model	Old Model	413	12	481.45	471.45	470.71	10.00	0.18%	0.559	2.29	0.59	0.50
5824	698	Old Model	Old Model	697	Old Model	Old Model	419	12	480.71	470.71	468.76	10.00	0.47%	0.553	2.24	0.39	1.15
5825	697	Old Model	Old Model	696	Old Model	Old Model	284	12	478.76	468.76	468.44	10.00	0.11%	0.538	1.78	0.60	0.30
5826	696	Old Model	Old Model	695	Old Model	Old Model	69	12	478.44	468.44	468.34	10.00	0.14%	0.533	2.01	0.55	0.42
5827	695	Old Model	Old Model	694	Old Model	Old Model	14	12	478.34	468.34	468.27	10.00	0.50%	0.529	2.17	0.49	1.24
5828	694	Old Model	Old Model	693	Old Model	Old Model	279	12	478.27	468.27	467.42	10.00	0.30%	0.535	3.18	0.49	0.84
5865	349	Old Model	Old Model	343	Old Model	Old Model	130	12	443.52	433.52	427.00	10.00	5.03%	0.067	1.51	0.08	5.53
5866	343	Old Model	Old Model	342	Old Model	Old Model	136	12	437.00	427.00	416.33	10.00	7.87%	0.651	8.60	0.21	6.36
5867	422	Old Model	Old Model	421	Old Model	Old Model	357	21	458.02	448.02	447.31	10.00	0.20%	2.468	2.84	0.50	2.49
5868	421	Old Model	Old Model	418	Old Model	Old Model	285	21	457.31	447.31	446.91	10.00	0.14%	2.465	2.51	0.59	1.69
5869	418	Old Model	Old Model	420	Old Model	Old Model	284	21	471.42	446.91	446.60	24.51	0.11%	2.464	2.68	0.62	1.20
5870	420	Old Model	Old Model	419	Old Model	Old Model	73	21	457.66	446.60	446.40	11.06	0.27%	2.482	3.06	0.53	3.32
5873	419	Old Model	Old Model	427	Old Model	Old Model	335	21	465.75	446.40	445.68	19.35	0.21%	2.482	3.11	0.51	2.66