Appendix E
Model Results

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
Sweetwater															
1043	1156	East H Street	1.00	350.32	5.74	348,246	0.22	0.92	0.00	0.22	0.00		8.69		
1156	1283	East H Street	1.00	350.29	1.15	348,246	0.33	0.91	0.00	0.33	0.00		10.65		
1283	1393	East H Street	1.00	351.05	2.75	348,246	0.27	0.91	0.00	0.48	0.00		8.24		
1393	1384	East H Street	1.00	279.65	0.45	348,246	0.48	0.91	0.00	0.48	0.00		10.91		
1384	1345	Hampton Court	1.00	231.82	1.30	404,271	0.35	1.06	0.00	0.35	0.00		14.40		
1345	1346	Hampton Court	1.00	403.84	1.24	404,271	0.35	1.06	0.00	0.45	0.00		8.64		
1346	1350	Hampton Court	1.00	401.10	0.50	404,271	0.45	1.06	0.00	0.46	0.00		8.95		
1350	1300	ROW	1.00	422.56	0.47	404,271	0.46	1.06	0.00	0.53	0.00		8.94		
1300	1258	ROW	1.00	365.85	0.55	404,271	0.53	1.06	0.00	0.53	0.00		13.93		
1258	1245	ROW	1.00	151.37	1.98	404,271	0.31	1.06	0.00	0.56	0.00		10.02		
1245	1246	ROW	1.00	382.55	0.53	404,271	0.56	1.06	0.00	0.56	0.00		5.82		
1246	1129	Redlands Place	1.00	397.75	3.38	404,271	0.27	1.06	0.00	0.42	0.00		13.13		
1129	1105	Redlands Place	1.00	272.79	1.00	404,271	0.42	1.06	0.00	0.42	0.00		11.59		
1105	1073	Redlands Place	1.00	241.77	2.13	404,271	0.31	1.06	0.00	0.33	0.00		8.89		
1073	1010	Redlands Place	1.00	241.31	1.53	404,271	0.33	1.06	0.00	0.39	0.00		9.12		
1010	948	Redlands Place	1.00	258.24	1.00	404,271	0.39	1.06	0.00	0.39	0.00		8.78		
948	830	Redlands Place	1.00	402.70	1.30	404,271	0.35	1.06	0.00	0.35	0.00		13.57		
830	736	ROW	1.00	509.55	19.17	404,271	0.18	1.06	0.00	0.39	0.00		5.70		
736	688	ROW	1.00	332.55	1.01	450,651	0.39	1.18	0.00	0.41	0.00		12.19		
688	633	ROW	1.00	406.43	0.89	450,651	0.41	1.18	0.00	0.41	0.00		8.84		
633	580	ROW	1.00	400.62	0.90	450,651	0.41	1.18	0.00	0.58	0.00		5.96		
580	520	ROW	1.00	404.67	0.49	450,651	0.58	1.18	0.00	0.58	0.00		25.87		
520	510	ROW	1.00	112.35	1.78	450,651	0.34	1.18	0.00	0.38	0.00		17.01		
510	507	ROW	1.00	46.58	1.87	450,651	0.38	1.18	0.00	0.38	0.00		8.77		
507	486	ROW	1.00	163.85	4.99	450,651	0.26	1.18	0.00	0.39	0.00		4.86		
486	475	ROW	1.00	65.52	1.07	450,651	0.39	1.18	0.00	0.54	0.00		6.61		
475	474	Country Vista Lane	1.00	108.27	0.52	554,841	0.54	1.44	0.00	0.59	0.00		6.46		
474	467	Country Vista Lane	1.00	317.07	0.50	554,841	0.59	1.44	0.00	0.59	0.00		9.17		
467	464	Country Vista Lane	1.00	195.32	0.89	554,841	0.47	1.44	0.00	0.47	0.00		15.04		
464	463	Country Vista Lane	1.00	91.00	1.07	554,841	0.44	1.44	0.00	0.49	0.00		13.88		
463	409	Country Vista Lane	1.00	373.73	1.06	554,841	0.49	1.44	0.00	0.49	0.00		11.29		
409	437	Sandy Creek Drive	1.00	221.36	1.99	554,841	0.37	1.44	0.00	0.38	0.00		21.53		
437	430	Sandy Creek Drive	1.00	63.82	1.96	554,841	0.38	1.44	0.00	0.38	0.00		17.43		
430	445	Acacia Avenue	1.00	120.09	2.31	554,841	0.35	1.44	0.00	0.35	0.00		17.60		
445	455	Acacia Avenue	1.00	114.12	12.65	554,841	0.23	1.44	0.00	0.23	0.00		22.70		
455	435	Acacia Avenue	1.00	332.75	2.15	554,841	0.36	1.44	0.00	0.37	0.00		7.87		
435	411	Acacia Avenue	1.00	351.27	2.59	554,841	0.37	1.44	0.00	0.37	0.00		7.28		
411	383	Acacia Avenue	1.00	351.02	3.99	554,841	0.31	1.44	0.00	0.41	0.00		8.19		
383	363	Acacia Avenue	1.00	373.47	2.01	554,841	0.41	1.44	0.00	0.41	0.00		8.39		
363	349	Acacia Avenue	1.00	334.33	3.73	554,841	0.31	1.44	0.00	0.45	0.00		8.69		
349	347	Acacia Avenue	1.00	55.08	0.98	554,841	0.45	1.44	0.00	0.45	0.00		12.82		
347	329	Acacia Avenue	1.00	398.92	1.02	554,841	0.44	1.44	0.00	0.46	0.00		12.98		
329	317	Acacia Avenue	1.00	420.70	1.01	554,841	0.46	1.44	0.00	0.46	0.00		10.40		
317	285	Acacia Avenue	1.00	404.54	1.87	554,841	0.42	1.44	0.00	0.42	0.00		6.34		
285	249	Acacia Avenue	1.00	382.24	3.61	554,841	0.31	1.44	0.00	0.38	0.00		6.51		
249	222	Acacia Avenue	1.00	364.73	2.90	554,841	0.38	1.44	0.00	0.38	0.00		7.48		
222	191	Acacia Avenue	1.00	263.74	6.53	554,841	0.27	1.44	0.00	0.30	0.00		6.65		
191	157	Acacia Avenue	1.00	352.62	4.32	554,841	0.30	1.44	0.00	0.35	0.00		6.53		
157	111	Acacia Avenue	1.00	355.88	2.64	554,841	0.35	1.44	0.00	0.35	0.00		7.43		
111	105	Acacia Avenue	1.00	110.87	3.04	554,841	0.33	1.44	0.00	0.33	0.00		6.75		

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
105	91	Acacia Avenue	1.00	247.45	3.04	554,841	0.33	1.44	0.00	0.39	0.00		8.26		
91	64	Acacia Avenue	1.00	347.91	1.51	554,841	0.39	1.44	0.00	0.40	0.00		11.58		
64	49	Acacia Avenue	1.00	350.37	1.50	554,841	0.40	1.44	0.00	0.42	0.00		11.12		
49	41	Acacia Avenue	1.00	287.28	1.21	554,841	0.42	1.44	0.00	0.42	0.00		10.38		
41	38	Acacia Avenue	1.00	62.85	1.21	554,841	0.42	1.44	0.00	0.51	0.00		10.95		
869	7302	Otay Lakes Road	0.67	224.70	3.06	97,188	0.16	0.25	0.00	0.24	0.00		3.44		
7302	7303	Otay Lakes Road	0.67	399.29	3.11	97,188	0.16	0.25	0.00	0.24	0.00		5.31		
7303	791	Otay Lakes Road	0.67	103.18	2.90	97,188	0.16	0.25	0.00	0.28	0.00		4.71		
791	740	Otay Lakes Road	0.67	248.05	2.99	138,358	0.19	0.36	0.00	0.29	0.00		3.67		
740	709	Otay Lakes Road	0.67	273.69	2.59	138,358	0.20	0.36	0.00	0.29	0.00		6.07		
709	693	Otay Lakes Road	0.67	126.02	2.62	138,358	0.19	0.36	0.00	0.31	0.00		5.18		
693	628	Otay Lakes Road	0.67	401.22	2.09	138,358	0.21	0.36	0.00	0.34	0.00		5.46		
628	618	Otay Lakes Road	0.67	399.33	1.50	138,358	0.22	0.36	0.00	0.38	0.00		4.85		
618	615	Otay Lakes Road	0.67	345.35	1.49	138,358	0.25	0.36	0.00	0.38	0.00		5.82		
615	603	Otay Lakes Road	0.67	398.38	2.81	138,358	0.19	0.36	0.00	0.29	0.00		6.04		
603	595	Otay Lakes Road	0.67	401.19	3.19	138,358	0.19	0.36	0.00	0.28	0.00		6.24		
595	568	Otay Lakes Road	0.67	399.25	4.57	138,358	0.18	0.36	0.00	0.27	0.00		6.05		
568	482	Otay Lakes Road	0.67	401.98	6.27	138,358	0.16	0.36	0.00	0.25	0.00		6.32		
482	422	Otay Lakes Road	0.67	398.36	4.52	138,358	0.17	0.36	0.00	0.27	0.00		8.51		
422	364	Otay Lakes Road	0.67	400.88	3.82	138,358	0.18	0.36	0.00	0.27	0.00		6.50		
364	324	Otay Lakes Road	0.67	403.23	4.22	138,358	0.17	0.36	0.00	0.54	0.00		6.81		
324	278	Otay Lakes Road	0.67	375.13	1.20	209,647	0.36	0.55	0.00	0.54	0.00		12.64		
278	225	Otay Lakes Road	0.67	394.96	3.80	209,647	0.22	0.55	0.00	0.39	0.00		6.29		
225	207	Otay Lakes Road	0.67	172.09	2.70	248,032	0.26	0.64	0.00	0.39	0.00		5.27		
207	193	Otay Lakes Road	0.67	100.21	2.69	248,032	0.26	0.64	0.00	0.39	0.00		4.91		
193	175	Otay Lakes Road	0.67	126.50	2.74	248,032	0.26	0.65	0.00	0.39	0.00		4.61		
175	160	Otay Lakes Road	0.67	169.63	2.71	248,032	0.26	0.64	0.00	0.40	0.00		6.07		
160	146	Otay Lakes Road	0.67	61.89	2.62	248,032	0.26	0.64	0.00	0.40	0.00		6.66		
146	140	Otay Lakes Road	0.67	56.44	17.74	248,032	0.16	0.64	0.00	0.24	0.00		7.38		
2042	2006	Rice Canyon	0.83	316.96	2.55	307,069	0.27	0.80	0.00	0.33	0.00		14.18		
2006	2005	Rice Canyon	0.83	238.00	6.93	307,069	0.21	0.80	0.00	0.25	0.00		5.28		
2005	1989	Rice Canyon	0.83	396.13	0.99	307,069	0.35	0.80	0.00	0.42	0.00		5.04		
1989	1977	Rice Canyon	0.83	397.44	2.03	307,069	0.29	0.80	0.00	0.35	0.00		4.72		
1977	1976	Rice Canyon	0.83	292.91	0.98	307,069	0.35	0.80	0.00	0.42	0.00		4.73		
1976	1984	Rice Canyon	0.83	400.28	2.48	307,069	0.27	0.80	0.00	0.33	0.00		5.79		
1984	2017	Rice Canyon	0.83	382.65	1.49	346,399	0.33	0.90	0.00	0.40	0.00		7.57		
2017	2020	Rice Canyon	1.00	248.38	1.05	346,399	0.34	0.90	0.00	0.34	0.00		3.60		
2020	2051	Rice Canyon	1.00	244.81	1.09	346,399	0.34	0.90	0.00	0.34	0.00		4.21		
2051	2077	Rice Canyon	1.00	178.90	5.20	346,399	0.23	0.90	0.00	0.33	0.00		12.39		
2077	2085	Rice Canyon	1.00	242.25	0.39	346,399	0.47	0.90	0.00	0.47	0.00		5.80		
2085	2129	Rice Canyon	1.00	283.72	2.09	346,399	0.28	0.90	0.00	0.28	0.00		8.34		
2129	2159	Rice Canyon	1.00	393.92	1.51	346,399	0.31	0.90	0.00	0.31	0.00		3.49		
2159	2165	Rice Canyon	1.00	113.75	4.25	346,399	0.24	0.90	0.00	0.40	0.00		5.52		
2165	2171	Rice Canyon	1.00	400.28	0.42	445,512	0.50	1.16	0.00	0.64	0.00		8.59		
2171	2115	Rice Canyon	1.00	337.55	0.42	445,512	0.64	1.16	0.00	0.64	0.00		6.73		
2115	2114	Rice Canyon	1.00	248.06	4.03	445,512	0.27	1.16	0.00	0.30	0.00		6.73		
2114	2121	Rice Canyon	1.00	399.27	2.85	445,512	0.30	1.16	0.00	0.51	0.00		4.30		
2121	2145	Rice Canyon	1.00	103.33	0.47	445,512	0.51	1.16	0.00	0.51	0.00		6.66		
2145	2146	Rice Canyon	1.00	201.73	0.82	445,512	0.41	1.16	0.00	0.42	0.00		4.45		

Existing Conditions, Dry Weather
North-West Model

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2146	2157	Rice Canyon	1.00	380.08	1.21	445,512	0.42	1.16	0.00	0.42	0.00		1.00		
2157	2190	Rice Canyon	1.00	399.50	2.52	445,512	0.31	1.16	0.00	0.33	0.00		5.72		
2190	2208	Rice Canyon	1.00	251.21	1.83	445,512	0.33	1.16	0.00	0.33	0.00		15.77		
2208	2238	Rice Canyon	1.00	188.99	1.83	445,512	0.33	1.16	0.00	0.33	0.00		9.46		
2238	2262	Rice Canyon	1.00	181.21	1.83	445,512	0.33	1.16	0.00	0.35	0.00		4.21		
2262	2291	Rice Canyon	1.00	191.08	1.83	496,793	0.35	1.29	0.00	0.36	0.00		9.71		
2291	7420	Rice Canyon	1.00	106.79	1.64	496,793	0.36	1.29	0.00	0.36	0.00		5.69		
7420	2391	Rice Canyon	1.00	339.48	1.17	496,793	0.40	1.29	0.00	0.40	0.00		15.20		
2391	2475	Rice Canyon	1.00	341.52	2.75	496,793	0.32	1.29	0.00	0.34	0.00		6.78		
2475	2506	Rice Canyon	1.00	228.02	1.29	496,793	0.39	1.29	0.00	0.39	0.00		8.26		
2506	2537	Rice Canyon	1.00	160.46	3.48	496,793	0.30	1.29	0.00	0.41	0.00		13.91		
2537	2576	Rice Canyon	1.00	212.85	1.07	496,793	0.41	1.29	0.00	0.42	0.00		15.59		
2576	2618	Rice Canyon	1.00	278.44	0.98	496,793	0.42	1.29	0.00	0.42	0.00		18.86		
2618	2636	Rice Canyon	1.00	125.53	11.90	496,793	0.22	1.29	0.00	0.54	0.00		10.78		
7609	7604	Camino Del Sol	0.67	92.74	1.13	174,884	0.28	0.46	0.00	0.41	0.00		8.33		
7604	7603	Camino Del Sol	0.67	145.54	1.13	174,884	0.28	0.46	0.00	0.50	0.00		9.97		
7603	7608	Camino Del Sol	0.67	332.81	1.23	174,884	0.33	0.46	0.00	0.50	0.00		9.65		
7608	7602	Camino Del Sol	0.67	132.47	5.17	174,884	0.18	0.46	0.00	0.35	0.00		14.67		
7602	7601	Camino Del Sol	0.67	391.89	2.04	174,884	0.23	0.46	0.00	0.40	0.00		10.95		
7601	7600	Camino Del Sol	0.67	341.65	1.31	174,884	0.27	0.46	0.00	0.40	0.00		6.52		
7600	7588	Camino Del Sol	0.67	336.25	1.38	174,884	0.26	0.46	0.00	0.39	0.00		6.05		
7588	7587	Camino Del Sol	0.67	393.97	1.38	174,884	0.26	0.46	0.00	0.39	0.00		5.90		
7587	7586	Camino Del Sol	0.67	66.25	1.40	174,884	0.26	0.46	0.00	0.39	0.00		8.78		
7586	7577	Camino Del Sol	0.67	72.32	1.41	174,884	0.26	0.46	0.00	0.39	0.00		8.12		
7577	7576	Camino Del Sol	0.67	172.52	1.40	174,884	0.26	0.46	0.00	0.39	0.00		7.28		
7576	7585	Camino Del Sol	0.67	143.99	1.50	174,884	0.26	0.46	0.00	0.39	0.00		12.98		
7585	7582	Camino Del Sol	0.67	98.28	1.56	174,884	0.25	0.46	0.00	0.38	0.00		9.53		
7582	7581	Camino Del Sol	0.67	252.52	1.49	174,884	0.26	0.46	0.00	0.38	0.00		7.37		
7581	7572	Camino Del Sol	0.67	346.76	1.49	174,884	0.26	0.46	0.00	0.38	0.00		4.57		
7572	7578	Camino Del Sol	0.67	91.30	1.49	174,884	0.26	0.46	0.00	0.39	0.00		7.14		
7578	7579	Camino Del Sol	0.67	171.60	1.49	174,884	0.26	0.46	0.00	0.39	0.00		6.62		
7579	2874	East H Street	0.67	114.64	1.61	174,884	0.25	0.46	0.00	0.43	0.00		5.81		
2874	2867	East H Street	0.67	402.11	3.79	275,130	0.29	0.71	0.00	0.43	0.00		6.71		
2867	2857	East H Street	1.00	403.12	4.17	275,130	0.21	0.71	0.00	0.39	0.00		7.70		
2857	2847	East H Street	1.00	279.68	1.01	275,130	0.39	0.71	0.00	0.39	0.00		8.26		
2847	2829	East H Street	1.00	194.85	8.45	275,130	0.18	0.71	0.00	0.21	0.00		11.18		
2829	2794	East H Street	1.00	325.60	5.00	275,130	0.21	0.71	0.00	0.21	0.00		8.39		
2794	2736	East H Street	1.00	398.59	5.67	275,130	0.20	0.71	0.00	0.21	0.00		7.94		
2736	2678	East H Street	1.00	394.00	3.94	275,130	0.21	0.71	0.00	0.29	0.00		8.41		
2678	2644	East H Street	1.00	341.13	3.34	358,712	0.29	0.93	0.00	0.29	0.00		8.27		
2644	2636	East H Street	1.00	365.97	6.70	358,712	0.21	0.93	0.00	0.54	0.00		9.12		
2636	2637	East H Street	1.00	107.00	1.21	855,505	0.54	2.22	0.00	0.58	0.00		20.15		
2637	2639	East H Street	1.00	402.02	1.19	912,948	0.58	2.37	0.00	0.58	0.00		17.83		
2639	2640	East H Street	1.00	200.16	1.33	912,948	0.55	2.37	0.00	0.55	0.00		15.48		
2640	2630	East H Street	1.00	225.18	1.38	912,948	0.54	2.37	0.00	0.55	0.00		16.16		
2630	2615	East H Street	1.00	399.21	1.30	912,948	0.55	2.37	0.00	0.55	0.00		17.25		
2615	2592	East H Street	1.00	396.35	1.36	912,948	0.54	2.37	0.00	0.68	0.00		18.46		
2592	2586	East H Street	1.25	247.18	0.40	912,948	0.68	2.37	0.00	0.55	0.00		19.72		
2586	2580	East H Street	1.25	249.57	0.40	912,948	0.69	2.37	0.00	0.55	0.00		17.70		

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
2580	2563	East H Street	1.25	194.48	0.40	912,948	0.68	2.37	0.00	0.55	0.00		16.70		
2563	2549	East H Street	1.25	307.98	0.40	912,948	0.68	2.37	0.00	0.63	0.00		15.48		
2549	2517	East H Street	1.25	326.53	0.40	1,083,341	0.79	2.80	0.00	0.63	0.00		13.60		
2517	2486	East H Street	1.25	256.35	0.50	1,083,341	0.71	2.80	0.00	0.57	0.00		11.49		
2486	2449	East H Street	1.25	211.76	0.50	1,083,341	0.71	2.80	0.00	0.57	0.00		14.27		
2449	2414	East H Street	1.25	237.62	0.50	1,083,341	0.71	2.80	0.00	0.61	0.00		17.33		
2414	2355	East H Street	1.25	326.27	0.40	1,083,341	0.76	2.80	0.00	0.64	0.00		20.85		
2355	2330	East H Street	1.25	359.67	0.40	1,180,529	0.81	3.05	0.00	0.64	0.00		21.72		
2330	2331	East H Street	1.25	358.53	0.40	1,180,529	0.80	3.05	0.00	0.64	0.00		23.17		
2331	2333	East H Street	1.25	91.08	21.94	1,180,529	0.27	3.05	0.00	0.53	0.00		21.94		
2333	2371	East H Street	1.25	294.09	1.67	1,180,529	0.66	3.05	0.00	0.53	0.00		37.73		
2371	2336	East H Street	1.25	476.32	8.19	1,180,529	0.34	3.05	0.00	0.43	0.00		42.67		
2336	2219	ROW	1.25	445.37	1.49	1,180,529	0.54	3.05	0.00	0.43	0.00		8.77		
2219	2107	ROW	1.25	411.79	1.46	1,180,529	0.54	3.05	0.00	0.43	0.00		6.81		
2107	1967	ROW	1.25	404.99	1.48	1,180,529	0.54	3.05	0.00	0.43	0.00		8.41		
1967	1806	ROW	1.25	353.37	1.70	1,180,529	0.54	3.05	0.00	0.43	0.00		7.41		
1806	7661	ROW	1.50	408.37	1.47	1,180,529	0.50	3.05	0.00	0.50	0.00		9.45		
7661	1490	ROW	1.50	335.72	0.54	1,180,529	0.74	3.05	0.00	0.50	0.00		9.71		
1490	7647	ROW	1.50	294.32	1.44	1,180,529	0.50	3.05	0.00	0.39	0.00		10.25		
7647	7892	Plaza Bonita Road	1.50	23.59	1.27	1,180,529	0.59	3.05	0.00	0.55	0.00		9.91		
7892	7643	Plaza Bonita Road	1.50	281.46	0.30	1,180,529	0.82	3.05	0.00	0.55	0.00		10.23		
7643	1211	Plaza Bonita Road	1.50	339.52	0.50	1,180,529	0.67	3.05	0.00	0.45	0.00		11.60		
1211	1165	Plaza Bonita Road	1.50	400.44	0.50	1,180,529	0.67	3.05	0.00	0.46	0.00		16.43		
1165	1102	Plaza Bonita Road	1.50	397.62	0.50	1,180,529	0.69	3.05	0.00	0.46	0.00		9.77		
1102	1074	Plaza Bonita Road	1.50	226.00	0.67	1,180,529	0.64	3.25	0.00	0.48	0.00		9.81		
1074	1054	Plaza Bonita Road	1.67	85.42	0.43	1,264,989	0.72	3.46	0.00	0.54	0.00		9.21		
1054	963	Plaza Bonita Road	1.67	351.69	0.20	1,264,989	0.93	3.46	0.00	0.56	0.00		8.33		
963	923	Plaza Bonita Road	1.67	142.12	0.42	1,264,989	0.73	3.46	0.00	0.44	0.00		8.44		
1080	1110	C Street	1.00	299.28	0.23	435,388	0.59	1.13	0.00	0.60	0.00		6.41		
1110	1119	C Street	1.00	134.50	0.23	435,388	0.60	1.13	0.00	0.64	0.00		6.40		
1119	1116	Fifth Avenue	1.00	9.72	0.21	435,388	0.64	1.13	0.00	0.64	0.00		6.36		
1116	1001	Fifth Avenue	1.00	322.06	0.23	435,388	0.59	1.13	0.00	0.59	0.00		16.43		
1001	*914*	*Fifth Avenue*	*1.00*	*304.63*	*0.23*	*435,388*	*0.59*	*1.13*	*0.00*	*0.59*	*0.00*		5.67		
914	883	Fifth Avenue	1.00	106.10	0.24	435,388	0.59	1.12	0.00	0.60	0.00		9.37		
883	836	Fifth Avenue	1.00	154.96	0.23	435,388	0.60	1.12	0.00	0.60	0.00		12.11		
836	848	Fifth Avenue	1.00	55.36	0.23	435,388	0.56	1.12	0.00	0.56	0.00		10.00		
G Street															
5359	5362	G Street	1.00	72.19	2.44	234,944	0.31	0.61	0.00	0.35	0.00		12.67		
5362	5371	G Street	1.00	374.07	0.53	234,944	0.35	0.61	0.00	0.35	0.00		13.90		
5371	5381	G Street	1.00	375.37	0.68	234,944	0.31	0.61	0.00	0.31	0.00		15.31		
5381	5385	G Street	1.00	373.56	0.68	234,944	0.31	0.61	0.00	0.31	0.00		14.86		
5385	5388	G Street	1.00	148.46	2.18	234,944	0.23	0.61	0.00	0.39	0.00		14.52		
5291	5290	Third Avenue	1.00	169.13	2.23	224,365	0.22	0.59	0.00	0.38	0.00		9.32		
5290	5308	Third Avenue	1.00	274.90	0.28	224,365	0.38	0.59	0.00	0.39	0.00		12.14		
5308	5316	Alley	1.00	358.29	0.26	224,365	0.39	0.59	0.00	0.39	0.00		11.89		
5316	5301	Alley	1.00	192.55	0.30	224,365	0.39	0.59	0.00	0.39	0.00		15.71		
5301	5299	Alley	1.00	127.53	0.30	224,365	0.35	0.59	0.00	0.51	0.00		10.68		
5299	5300	Alley	1.00	162.94	0.32	224,365	0.51	0.58	0.00	0.97	0.00		10.05	162.94	

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
5300	5298	Center Street	1.00	34.55	0.26	224,365	0.97	0.58	0.00	1.06	0.00		9.96	34.55	34.55
5298	5314	Center Street	1.00	629.88	0.02	336,460	1.06	0.87	0.00	1.06	2.22	0.06	9.96	629.88	629.88
5314	5369	Fourth Avenue	1.00	677.01	0.17	336,460	0.55	0.87	0.00	0.62	0.00		13.02		
5369	5388	Fourth Avenue	1.00	323.55	0.16	336,460	0.62	0.86	0.00	0.62	0.00		13.64		
5388	5397	G Street	1.25	451.43	1.14	571,404	0.39	1.46	0.00	0.31	0.00		16.59		
5397	5402	G Street	1.25	440.33	1.17	571,404	0.39	1.46	0.00	0.31	0.00		15.14		
5402	5405	G Street	1.25	417.09	1.20	571,404	0.38	1.46	0.00	0.40	0.00		14.30		
5405	5406	G Street	1.25	11.03	1.18	571,404	0.50	1.46	0.00	0.40	0.00		13.44		
5348	5372	Fifth Avenue	1.00	333.40	0.12	203,105	0.46	0.53	0.00	0.46	0.00		11.96		
5372	5396	Fifth Avenue	1.00	327.52	0.12	203,105	0.46	0.53	0.00	0.51	0.00		8.35		
5396	5406	Fifth Avenue	1.00	324.58	0.12	203,105	0.51	0.53	0.00	0.51	0.00		10.50		
5406	5416	G Street	1.25	438.23	1.33	774,509	0.44	1.98	0.00	0.42	0.00		13.48		
5416	5420	G Street	1.25	438.23	0.70	774,509	0.52	1.98	0.00	0.62	0.00		14.74		
5420	2970	G Street	1.25	423.91	0.42	774,509	0.78	1.98	0.00	0.62	0.00		13.56		
2210	2310	Broadway	1.00	337.33	0.16	419,241	0.66	1.10	0.00	0.66	0.00		16.85		
2310	2415	Broadway	1.00	330.97	0.16	419,241	0.66	1.10	0.00	0.66	0.00		16.69		
2415	2502	Broadway	1.00	331.27	0.16	419,241	0.66	1.10	0.00	0.72	0.00		15.82		
2502	2571	Broadway	1.00	335.66	0.16	419,241	0.72	1.09	0.00	0.72	0.00		15.69		
2571	2570	Broadway	1.00	57.40	0.16	419,241	0.59	1.09	0.00	0.59	0.00		15.05		
2570	2643	Broadway	1.25	313.85	0.09	419,241	0.68	1.09	0.00	0.57	0.00		15.55		
2643	2653	Broadway	1.25	30.28	0.07	419,241	0.72	1.09	0.00	0.57	0.00		14.44		
2653	2743	Broadway	1.25	315.21	0.07	419,241	0.71	1.09	0.00	0.57	0.00		14.33		
2743	2828	Broadway	1.25	330.92	0.08	419,241	0.70	1.09	0.00	0.57	0.00		13.11		
2828	2903	Broadway	1.25	341.24	0.08	419,241	0.71	1.09	0.00	0.60	0.00		12.36		
2903	2970	Broadway	1.25	312.59	0.08	470,200	0.75	1.22	0.00	0.60	0.00		12.04		
2970	2981	G Street	1.50	50.70	7.73	1,244,709	0.34	3.20	0.00	0.30	0.00		11.61		
2650	2770	Broadway	0.67	421.31	0.12	300,276	4.23	0.78	0.00	6.35	14.92	3.57	2.77	421.31	421.31
2770	2869	Broadway	0.67	442.47	0.13	300,276	3.06	0.78	0.00	4.58	14.49	2.39	3.94	442.47	442.47
2869	2901	Broadway	0.67	132.87	0.17	300,276	1.84	0.78	0.00	2.76	9.35	1.17	5.16	132.87	132.87
2901	2978	Broadway	0.67	332.62	0.17	300,276	1.51	0.78	0.00	2.27	8.83	0.84	5.49	332.62	332.62
2978	2980	Broadway	0.67	3.28	0.30	300,276	0.71	0.78	0.00	1.07	2.67	0.05	6.29	3.28	3.28
2980	2981	Broadway	0.67	4.00	0.25	300,276	0.60	0.78	0.00	0.90	0.00		6.40	4.00	
2981	2982	G Street	1.50	11.70	9.66	1,544,985	0.45	3.97	0.00	0.40	0.00		15.57		
5359	5361	G Street	0.83	43.13	0.28	126,508	0.31	0.34	0.00	0.38	0.00		12.67		
5361	5363	G Street	0.83	151.13	0.30	126,508	0.30	0.34	0.00	0.36	0.00		12.80		
5363	5373	G Street	0.83	487.28	0.30	126,508	0.30	0.34	0.00	0.41	0.00		13.26		
5373	5391	G Street	0.83	661.94	0.30	126,508	0.34	0.34	0.00	0.41	0.00		12.38		
5391	5395	G Street	1.00	214.84	0.64	561,385	0.31	0.59	0.00	0.31	0.00		15.68		
5395	5398	G Street	1.00	445.24	0.64	561,385	0.31	0.59	0.00	0.31	0.00		14.12		
5398	5408	G Street	1.00	659.69	0.64	561,385	0.31	0.59	0.00	0.31	0.00		10.90		
5408	5418	G Street	1.00	660.28	0.56	561,385	0.32	0.59	0.00	0.32	0.00		12.98		
5418	2976	G Street	1.00	626.19	0.55	561,385	0.32	0.59	0.00	0.43	0.00		13.82		

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3474	3426	Broadway	1.00	141.09	0.35	61,188	0.19	0.16	0.00	0.21	0.00		6.81		
3426	3283	Broadway	1.00	415.63	0.20	61,188	0.21	0.16	0.00	0.21	0.00		6.79		
3283	3234	Broadway	1.00	125.52	0.20	61,188	0.21	0.16	0.00	0.21	0.00		6.79		
3234	3208	Broadway	1.00	103.11	0.20	61,188	0.21	0.16	0.00	0.21	0.00		6.79		
3208	3207	Broadway	1.00	95.27	0.20	61,188	0.21	0.16	0.00	0.21	0.00		6.79		
3207	5512	Broadway	1.00	199.11	0.20	61,188	0.21	0.16	0.00	0.21	0.00		6.79		
5512	3097	Broadway	1.00	125.20	0.20	61,188	0.21	0.16	0.00	0.25	0.00		6.79		
3097	3057	Broadway	1.00	167.38	0.20	61,188	0.25	0.16	0.00	0.25	0.00		6.75		
3057	2976	Broadway	1.00	335.18	0.42	61,188	0.15	0.16	0.00	0.22	0.00		6.85		
2976	2975	G Street	1.00	13.84	0.29	622,573	0.43	0.75	0.00	0.43	0.00		11.61		
2975	2984	G Street	1.50	50.32	7.81	622,573	0.16	0.75	0.00	0.13	0.00		11.81		
2984	2982	G Street	1.50	14.31	7.69	622,573	0.20	0.75	0.00	0.40	0.00		15.90		
2982	NewMH12	G Street	1.50	616.96	0.56	2,137,201	0.60	4.51	0.00	0.61	0.00		16.42		
NewMH12	NewMH4	G Street	1.50	331.63	1.12	2,137,201	0.67	4.51	0.00	0.44	0.00		15.41		
2778	2799	F Street	1.00	261.18	0.34	213,391	0.35	0.56	0.00	0.37	0.00		6.65		
2799	2838	Private Road	1.00	160.57	0.28	213,391	0.37	0.56	0.00	0.39	0.00		16.88		
2838	2837	Private Road	1.00	74.28	0.24	213,391	0.39	0.56	0.00	0.39	0.00		17.31		
2837	2913	Private Road	1.00	377.26	0.25	213,391	0.38	0.55	0.00	0.41	0.00		17.50		
2913	3001	Private Road	1.00	391.22	0.24	213,391	0.41	0.55	0.00	0.41	0.00		13.41		
3001	3094	Private Road	1.00	374.40	0.32	213,391	0.36	0.55	0.00	0.65	0.00		13.40		
3094	NewMH4	G Street	1.25	5.00	2.06	213,391	0.78	0.55	0.00	0.71	0.00		3.57		
NewMH4	NewMH3	G Street	2.25	262.09	0.50	2,350,592	0.884	5.80	0.00	0.39	0.00		12.52	262.09	
NewMH3	3119	G Street	1.50	51.11	0.84	1,245,814	0.58	3.08	0.00	0.44	0.00		12.64		
3119	3142	G Street	1.50	401.23	0.42	1,245,814	0.76	3.08	0.00	0.51	0.00		13.73		
3142	NewMH2	G Street	1.50	58.24	0.68	1,255,622	0.65	3.33	0.00	0.55	0.00		9.09		
NewMH3	N590	G Street	1.75	60.23	0.50	1,104,778	0.58	2.72	0.00	0.37	0.00		12.64		
N590	N593	G Street	1.75	389.32	0.36	1,104,778	0.75	2.72	0.00	0.43	0.00		13.43		
N593	*NewMH2*	*G Street*	*1.75*	*61.03*	*1.33*	*1,104,778*	*0.46*	*2.72*	*0.00*	*0.45*	*0.00*		*10.06*		
NewMH2	NewMH1B	G Street	2.25	256.00	0.50	2,360,400	0.79	5.82	0.00	0.38	0.00		7.24		
NewMH1B	3169	G Street	2.25	20.33	0.50	2,360,400	0.85	5.82	0.00	0.38	0.00		5.15		
3169	NewMH1A	G Street	2.25	50.21	0.25	2,465,801	0.98	6.10	0.00	0.44	0.00		5.38		
NewMH1A	BeginVault	G Street	2.00	8.00	0.22	2,465,801	0.99	6.10	0.00	0.49	0.00		5.30		
BeginVault	3170	G Street	2.00	11.66	0.26	2,465,801	0.83	6.10	0.00	0.42	0.00		5.47		
3170	3172	G Street	2.00	45.00	3.29	2,465,801	0.58	6.10	0.00	0.29	0.00		3.65		
3172	3148	G Street	2.00	92.49	7.89	2,465,801	0.42	6.10	0.00	0.44	0.00		3.81		
Telegraph															
MH34	MH35	J Street	1.75	367.00	0.37	2,666,674	1.10	6.96	0.00	0.63	0.00		5.04		
MH35	3371	J Street	1.75	378.00	0.37	2,666,674	1.10	6.96	0.00	0.63	0.00		5.40		
3371	3425	J Street	0.67	439.74	1.89	248,890	0.29	0.64	0.00	0.50	0.00		6.71		
3425	3450	J Street	0.67	203.46	1.14	248,890	0.33	0.64	0.00	0.54	0.00		6.67		
3450	3473	J Street	0.67	237.31	1.13	257,470	0.36	0.66	0.00	0.54	0.00		6.64		
3473	3519	J Street	0.67	440.73	1.57	257,470	0.31	0.66	0.00	0.47	0.00		6.69		

Existing Conditions, Dry Weather
North-West Model

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3519	3527	J Street	0.67	42.48	1.65	257,470	0.30	0.66	0.00	0.72	0.00		6.70		
3371	3362	J Street	1.75	7.81	191.32	2,516,551	0.29	6.56	0.00	0.61	0.00		6.71		
3362	3420	J Street	1.75	451.55	0.37	2,541,306	1.07	6.59	0.00	0.62	0.00		19.78		
3420	3472	J Street	1.75	447.18	0.36	2,541,306	1.08	6.59	0.00	0.62	0.00		14.42		
3472	3514	J Street	1.75	424.63	0.42	2,541,306	1.06	6.59	0.00	0.61	0.00		11.05		
3514	3527	J Street	1.50	42.94	2.47	2,539,756	0.66	6.61	0.00	0.53	0.00		6.92		
3527	3570	J Street	1.50	398.57	1.59	2,797,226	0.79	7.27	0.00	0.57	0.00		7.35		
3570	3604	J Street	1.50	441.16	1.30	2,846,015	0.85	7.38	0.00	0.57	0.00		6.62		
3604	3660	J Street	1.50	440.17	1.28	2,846,015	0.86	7.38	0.00	0.57	0.00		7.84		
3660	3698	J Street	1.50	335.37	1.28	2,846,015	0.86	7.38	0.00	0.57	0.00		7.48		
3698	3733	J Street	1.50	325.18	1.28	2,846,015	0.86	7.38	0.00	0.58	0.00		7.28		
3733	3766	J Street	1.50	325.54	1.28	2,846,015	0.86	7.38	0.00	0.58	0.00		7.45		
3766	3812	J Street	1.50	316.28	1.34	2,846,015	0.84	7.38	0.00	0.56	0.00		7.14		
3812	3819	J Street	1.50	51.98	0.88	2,846,015	0.97	7.38	0.00	0.65	0.00		6.99		
3819	3843	J Street	1.50	263.19	0.88	2,846,015	0.97	7.38	0.00	0.65	0.00		6.87		
3843	3862	J Street	1.50	344.55	1.74	2,846,015	0.79	7.38	0.00	0.52	0.00		6.54		
3862	3875	J Street	1.50	153.38	1.80	2,846,015	0.77	7.38	0.00	0.51	0.00		8.55		
3875	3888	J Street	1.50	184.41	1.79	2,846,015	0.77	7.38	0.00	0.52	0.00		9.27		
3888	3893	J Street	1.50	73.53	1.75	2,846,015	0.78	7.38	0.00	0.55	0.00		10.11		
3893	3922	J Street	1.50	273.71	1.75	2,846,015	0.78	7.38	0.00	0.57	0.00		9.49		
3922	3938	J Street	1.49	330.13	1.50	3,012,319	0.85	7.76	0.00	0.57	0.00		7.11		
3938	3961	J Street	1.50	325.45	1.52	3,012,319	0.84	7.76	0.00	0.56	0.00		5.57		
3961	3980	J Street	1.50	333.96	1.48	3,012,319	0.85	7.76	0.00	0.56	0.00		6.27		
3980	4001	J Street	1.50	330.80	1.50	3,012,319	0.84	7.76	0.00	0.58	0.00		7.23		
4001	4025	J Street	1.50	345.46	1.42	3,135,157	0.87	8.05	0.00	0.59	0.00		8.90		
4025	4038	J Street	1.50	350.44	1.40	3,135,157	0.88	8.05	0.00	0.69	0.00		8.79		
4038	4066	J Street	1.50	329.81	1.48	3,135,157	1.03	8.05	0.00	0.69	0.00		9.03		
4066	4075	J Street	1.50	276.13	4.18	3,135,157	0.64	8.05	0.00	0.61	0.00		8.56		
4075	4080	J Street	1.50	72.18	1.25	3,135,157	0.91	8.05	0.00	0.61	0.00		14.83		
4080	4097	J Street	1.50	317.96	1.25	3,135,157	0.91	8.05	0.00	0.61	0.00		14.48		
4097	4114	J Street	1.50	231.57	1.49	3,169,687	0.92	8.13	0.00	0.61	0.00		12.95		
4114	4121	J Street	1.75	82.58	1.51	3,169,687	0.79	8.13	0.00	0.45	0.00		13.53		
4121	4131	J Street	1.75	145.94	1.51	3,169,687	0.79	8.13	0.00	0.51	0.00		13.88		
4131	4139	J Street	1.75	107.68	1.00	3,169,687	0.89	8.13	0.00	0.51	0.00		14.38		
4139	4153	J Street	1.75	220.46	1.01	3,169,687	0.89	8.13	0.00	0.51	0.00		14.15		
4153	4158	J Street	1.75	33.60	1.01	3,169,687	0.89	8.13	0.00	0.55	0.00		13.68		
4158	4172	J Street	1.75	256.85	1.00	3,169,687	0.89	8.13	0.00	0.55	0.00		13.62		
4172	4187	J Street	1.75	259.33	0.99	3,169,687	0.89	8.13	0.00	0.86	0.00		13.10	259.33	
3588	3603	J Street	0.67	221.13	1.18	267,940	0.06	0.03	0.00	0.10	0.00		6.94		
3603	3658	J Street	0.67	440.29	1.24	267,940	0.07	0.03	0.00	0.10	0.00		8.00		
3658	3692	J Street	0.67	334.34	1.34	267,940	0.06	0.03	0.00	0.10	0.00		7.47		
3692	3731	J Street	0.67	327.04	1.26	267,940	0.07	0.03	0.00	0.10	0.00		7.43		
3731	3764	J Street	0.67	325.10	1.29	267,940	0.06	0.03	0.00	0.10	0.00		7.57		
3764	3810	J Street	0.67	315.94	1.34	267,940	0.07	0.03	0.00	0.10	0.00		7.26		
3810	3842	J Street	0.83	324.89	1.16	267,940	0.06	0.03	0.00	0.08	0.00		11.01		
3842	3845	J Street	0.83	84.08	1.03	267,940	0.07	0.03	0.00	0.08	0.00		6.76		
3845	3872	J Street	0.83	403.37	1.31	267,940	0.06	0.03	0.00	0.11	0.00		6.64		
3872	3891	J Street	0.83	257.42	1.55	279,445	0.09	0.06	0.00	0.11	0.00		7.91		

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3891	3919	J Street	0.83	274.03	2.69	279,445	0.07	0.06	0.00	0.09	0.00		7.43		
3919	3947	J Street	1.00	440.97	1.60	279,445	0.08	0.06	0.00	0.10	0.00		7.29		
3947	3973	J Street	1.00	429.70	1.53	279,445	0.10	0.06	0.00	0.10	0.00		6.83		
3973	3999	J Street	1.00	450.77	1.38	279,445	0.05	0.06	0.00	0.11	0.00		8.45		
3999	4021	J Street	1.00	330.00	0.54	279,445	0.11	0.06	0.00	0.11	0.00		9.10		
4021	4036	J Street	1.00	329.25	1.58	279,445	0.09	0.06	0.00	0.09	0.00		6.41		
4036	4052	J Street	1.00	240.11	2.83	279,445	0.07	0.06	0.00	0.08	0.00		7.13		
4052	4070	J Street	1.00	235.21	1.85	279,445	0.08	0.06	0.00	0.08	0.00		9.42		
4070	4074	J Street	1.00	165.40	2.21	279,445	0.07	0.06	0.00	0.16	0.00		9.78		
4074	4079	J Street	1.00	58.19	1.72	354,662	0.16	0.25	0.00	0.16	0.00		11.64		
4079	4095	J Street	1.00	317.23	2.11	354,662	0.15	0.25	0.00	0.18	0.00		11.35		
4095	4096	J Street	1.00	15.22	2.10	354,662	0.18	0.25	0.00	0.19	0.00		11.80		
4096	4113	J Street	1.00	223.82	0.89	354,662	0.19	0.25	0.00	0.19	0.00		11.81		
4113	4119	J Street	1.00	90.37	1.11	354,662	0.18	0.25	0.00	0.18	0.00		10.82		
4119	4129	J Street	1.00	140.10	1.03	354,662	0.18	0.25	0.00	0.26	0.00		10.82		
4129	4130	J Street	1.00	5.77	1.04	354,662	0.26	0.25	0.00	0.26	0.00		10.74		
4130	4134	J Street	1.00	107.68	0.62	354,662	0.20	0.25	0.00	0.21	0.00		10.80		
4134	4150	J Street	1.00	215.92	0.62	354,662	0.21	0.25	0.00	0.21	0.00		10.06		
4150	4151	J Street	1.00	4.67	4.28	354,662	0.20	0.25	0.00	0.23	0.00		8.60		
4151	4155	J Street	1.00	33.60	0.39	354,662	0.23	0.25	0.00	0.27	0.00		8.47		
4155	4171	J Street	1.00	257.27	0.38	354,662	0.27	0.25	0.00	0.27	0.00		8.13		
4171	4186	J Street	1.00	259.36	1.23	354,662	0.17	0.25	0.00	0.17	0.00		5.93		
4186	4187	J Street	1.00	3.80	172.37	354,662	0.09	0.25	0.00	1.50	0.00		5.91	3.80	3.80
4187	4189	J Street	1.75	13.31	0.90	3,524,348	1.50	8.36	0.00	0.89	0.00		11.55	13.31	
5613	5614	Naples Street	1.00	341.50	0.81	472,145	0.43	1.24	0.00	0.57	0.00		16.27		
5614	5615	Naples Street	1.00	333.92	0.31	472,145	0.57	1.24	0.00	0.60	0.00		15.23		
5615	5718	Naples Street	1.00	313.81	0.31	472,145	0.60	1.24	0.00	0.60	0.00		14.89		
5718	5719	Naples Street	1.00	267.98	0.55	472,145	0.53	1.24	0.00	0.53	0.00		12.40		
5719	4460	Naples Street	1.00	66.53	0.93	472,145	0.41	1.24	0.00	0.53	0.00		10.49		
4460	4459	Naples Street	1.00	443.85	0.55	472,145	0.53	1.24	0.00	0.53	0.00		10.39		
4459	4466	Naples Street	1.00	434.36	0.95	472,145	0.41	1.24	0.00	0.41	0.00		7.99		
4466	4475	Naples Street	1.00	191.36	0.95	472,145	0.41	1.24	0.00	0.44	0.00		7.99		
4475	4483	Naples Street	1.00	252.01	0.95	472,145	0.44	1.24	0.00	0.44	0.00		7.83		
4483	4493	Naples Street	1.00	444.13	1.34	472,145	0.38	1.24	0.00	0.38	0.00		7.72		
4493	4497	Naples Street	1.00	214.81	1.34	472,145	0.38	1.24	0.00	0.38	0.00		8.42		
4497	4501	Naples Street	1.00	220.03	1.34	472,145	0.38	1.24	0.00	0.38	0.00		7.77		
4501	4512	Naples Street	1.00	444.17	1.34	472,145	0.38	1.24	0.00	0.41	0.00		7.12		
4512	4526	Naples Street	1.00	440.25	2.45	745,411	0.41	1.94	0.00	0.47	0.00		10.59		
4526	4533	Naples Street	1.00	200.22	1.42	745,411	0.47	1.94	0.00	0.48	0.00		10.53		
4533	4542	Naples Street	1.00	246.39	1.42	745,411	0.48	1.94	0.00	0.48	0.00		10.97		
4542	4548	Naples Street	1.00	159.15	1.44	745,411	0.47	1.94	0.00	0.51	0.00		11.53		
4548	4555	Naples Street	1.00	277.90	1.44	745,411	0.51	1.94	0.00	0.51	0.00		11.49		
4555	4565	Naples Street	1.00	440.76	1.97	745,411	0.43	1.94	0.00	0.46	0.00		11.57		
4565	4578	Naples Street	1.00	440.88	1.61	745,411	0.46	1.94	0.00	0.49	0.00		14.54		
4578	4581	Naples Street	1.00	97.28	1.61	745,411	0.49	1.94	0.00	0.49	0.00		13.69		
4581	4590	Naples Street	1.00	342.85	2.53	745,411	0.40	1.94	0.00	0.52	0.00		13.60		
4590	4600	Naples Street	1.00	351.12	1.08	745,411	0.52	1.94	0.00	0.58	0.00		11.88		
4600	4604	Naples Street	1.00	89.42	0.72	745,411	0.58	1.94	0.00	0.58	0.00		12.02		
4604	4610	Naples Street	1.00	219.27	0.72	745,411	0.58	1.94	0.00	0.60	0.00		12.08		

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
4610	4616	Naples Street	1.00	230.66	0.72	745,411	0.60	1.94	0.00	0.60	0.00		12.22		
4616	4626	Naples Street	1.00	410.65	0.86	745,411	0.55	1.94	0.00	0.55	0.00		12.45		
4626	4639	Naples Street	1.00	378.78	0.86	745,411	0.55	1.94	0.00	0.55	0.00		14.45		
4639	4644	Naples Street	1.00	315.77	0.86	745,411	0.55	1.94	0.00	0.55	0.00		13.05		
4644	4655	Naples Street	1.00	344.66	0.86	745,411	0.55	1.94	0.00	0.55	0.00		13.85		
4655	4662	Naples Street	1.00	345.73	0.86	745,411	0.55	1.94	0.00	0.58	0.00		14.45		
4662	4669	Naples Street	1.00	353.33	0.88	745,411	0.58	1.94	0.00	0.58	0.00		14.02		
4669	4673	Naples Street	1.25	264.22	0.79	745,411	0.50	1.94	0.00	0.52	0.00		14.90		
4673	4642	Industrial Boulevard	1.25	443.44	0.31	745,411	0.65	1.94	0.00	0.53	0.00		13.35		
4642	4607	Industrial Boulevard	1.25	443.70	0.30	745,411	0.66	1.94	0.00	0.53	0.00		16.34		
4607	4567	Industrial Boulevard	1.25	437.53	0.30	745,411	0.66	1.94	0.00	0.71	0.00		14.34		
4508	4519	Moss Street	0.67	310.70	0.39	336,775	1.93	0.87	0.00	2.90	3.08	1.26	22.05	310.70	310.70
4519	4529	Moss Street	0.67	324.82	0.41	336,775	1.57	0.87	0.00	2.35	2.73	0.90	18.11	324.82	324.82
4529	4536	Moss Street	0.67	322.72	0.40	336,775	1.26	0.87	0.00	1.89	2.91	0.59	16.76	322.72	322.72
4536	4551	Moss Street	0.67	344.99	0.41	336,775	0.89	0.87	0.00	1.34	2.62	0.23	14.91	344.99	344.99
4551	4562	Moss Street	0.83	362.06	0.44	336,775	0.54	0.87	0.00	0.65	0.00		10.17		
4562	4567	Moss Street	0.83	269.04	1.09	336,775	0.36	0.87	0.00	1.06	0.00		11.44	269.04	269.04
4567	4525	Industrial Boulevard	1.25	454.27	0.29	1,128,540	0.88	2.92	0.00	0.71	0.00		13.86		
4525	4492	Industrial Boulevard	1.25	427.21	0.31	1,128,540	0.86	2.92	0.00	0.70	0.00		11.74		
4492	4455	Industrial Boulevard	1.25	443.21	0.30	1,128,540	0.87	2.92	0.00	0.70	0.00		11.93		
4455	4409	Industrial Boulevard	1.25	443.56	0.30	1,128,540	0.87	2.92	0.00	0.72	0.00		10.73		
4409	4369	Industrial Boulevard	1.25	446.18	0.30	1,128,540	0.89	2.92	0.00	0.72	0.00		11.01		
4369	4337	Industrial Boulevard	1.25	434.42	0.36	1,128,540	0.81	2.92	0.00	0.71	0.00		9.19		
4337	4328	K Street	1.25	262.09	0.28	1,128,540	0.89	2.92	0.00	0.80	0.00		13.23		
4328	4277	Colorado Avenue	1.25	497.59	0.30	1,312,780	1.00	3.39	0.00	0.80	0.00		10.66		
4277	4243	Colorado Avenue	1.30	443.41	0.32	1,312,780	0.97	3.39	0.00	1.06	0.00		10.59	443.41	443.41
4243	4189	Colorado Avenue	1.25	372.58	0.28	1,312,780	1.38	3.38	0.00	1.20	1.71	0.13	8.79	372.58	372.58
4189	4207	J Street	2.00	281.50	0.32	4,504,697	1.56	11.70	0.00	0.78	0.00		11.61		
4207	4209	J Street	2.00	221.53	0.78	4,504,697	1.12	11.70	0.00	0.56	0.00		11.88		
4209	4233	J Street	2.00	414.75	0.91	4,504,697	1.06	11.70	0.00	0.53	0.00		5.94		
3294	3295	Bay Boulevard	1.50	306.37	0.18	33,141	0.17	0.09	0.00	0.11	0.00		5.81		
3295	3400	Bay Boulevard	1.50	310.84	0.26	33,141	0.14	0.10	0.00	0.11	0.00		4.89		
3400	3518	Bay Boulevard	1.50	344.16	0.22	33,141	0.16	0.09	0.00	0.11	0.00		6.17		
3518	3621	Bay Boulevard	1.50	328.42	0.29	33,141	0.15	0.10	0.00	0.11	0.00		6.45		
3621	3735	Bay Boulevard	1.50	329.51	0.29	33,141	0.17	0.09	0.00	0.11	0.00		5.88		
3735	3846	Bay Boulevard	1.75	330.83	0.17	33,141	0.16	0.10	0.00	0.40	0.00		5.86		
3578	3617	Between H Street & I Street	1.00	493.24	1.00	510,918	0.42	1.33	0.00	0.42	0.00		12.21		
3617	3639	Between H Street & I Street	1.00	121.91	1.03	510,918	0.42	1.33	0.00	0.43	0.00		9.99		
3639	3649	Between H Street & I Street	1.00	129.02	0.96	510,918	0.43	1.33	0.00	0.43	0.00		6.57		
3649	3676	Between H Street & I Street	1.00	259.96	1.00	510,918	0.42	1.33	0.00	0.42	0.00		6.58		
3676	3708	Between H Street & I Street	1.00	275.55	1.00	510,918	0.42	1.33	0.00	0.46	0.00		6.58		
3708	3736	Between H Street & I Street	1.00	262.60	0.98	510,918	0.46	1.33	0.00	0.46	0.00		6.54		
3736	3763	Between H Street & I Street	1.00	254.15	1.64	510,918	0.37	1.33	0.00	0.50	0.00		6.63		
3763	3818	Between H Street & I Street	1.25	389.87	0.37	510,918	0.50	1.33	0.00	0.43	0.00		6.50		
3818	3846	Between H Street & I Street	1.25	389.24	0.35	510,918	0.54	1.32	0.00	0.43	0.00		6.59		

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3846	3927	Bay Boulevard	1.75	330.47	0.06	544,059	0.71	1.40	0.00	0.40	0.00		5.36		
3927	3987	Bay Boulevard	1.75	331.07	0.12	544,059	0.62	1.40	0.00	0.35	0.00		6.15		
3987	4048	Bay Boulevard	1.75	331.46	0.18	544,059	0.54	1.40	0.00	0.42	0.00		6.62		
4048	4110	Bay Boulevard	1.75	333.27	0.05	544,059	0.74	1.40	0.00	0.42	0.00		8.51		
4110	4181	Bay Boulevard	1.75	331.70	0.06	544,059	0.71	1.40	0.00	0.41	0.00		8.71		
4181	4230	Bay Boulevard	1.75	326.05	0.16	544,059	0.61	1.40	0.00	0.35	0.00		7.50		
4230	4233	Bay Boulevard	1.00	24.84	6.04	544,059	0.28	1.40	0.00	0.94	0.00		10.72	24.84	
4474	4432	Bay Boulevard	1.00	432.31	0.30	97,352	0.25	0.28	0.00	0.26	0.00		10.17		
4432	4391	Bay Boulevard	1.00	447.94	0.30	97,352	0.26	0.28	0.00	0.26	0.00		8.96		
4391	4351	Bay Boulevard	1.00	434.79	0.30	97,352	0.26	0.28	0.00	0.26	0.00		6.80		
4351	4308	Bay Boulevard	1.00	439.89	0.30	97,352	0.26	0.28	0.00	0.28	0.00		6.10		
4308	4270	Bay Boulevard	1.00	418.02	0.22	97,352	0.28	0.28	0.00	0.28	0.00		5.40		
4270	4259	Bay Boulevard	1.00	170.70	0.22	97,352	0.28	0.28	0.00	0.31	0.00		4.32		
4259	4233	Bay Boulevard	1.00	295.92	0.22	97,352	0.31	0.28	0.00	0.31	0.00		4.67		
4233	BeginCV2	J Street	2.50	40.95	0.22	5,549,581	1.44	13.48	0.00	0.58	0.00		10.06		
BeginCV2	EndCV2	J Street	3.00	47.76	0.36	5,549,581	1.19	13.48	0.00	0.40	0.00		6.60		
EndCV2	4223	J Street	2.50	6.02	1.33	5,549,581	1.30	13.48	0.00	0.52	0.00		9.82		
4223	4219	J Street	3.00	47.76	0.36	5,549,581	1.19	13.48	0.00	0.40	0.00		6.60		
Main Street															
6279	4892	ROW	1.00	556.68	0.43	201,004	0.33	0.53	0.00	0.33	0.00		4.54		
4892	4891	ROW	1.00	234.97	0.48	201,004	0.31	0.53	0.00	0.32	0.00		12.58		
4891	4930	ROW	1.00	383.50	0.43	201,004	0.32	0.53	0.00	0.32	0.00		7.38		
4930	6304	ROW	1.00	250.68	0.49	201,004	0.32	0.53	0.00	0.32	0.00		9.49		
6304	6303	Loma Lane	0.67	243.38	1.16	201,004	0.30	0.53	0.00	0.44	0.00		15.13		
6303	6301	Loma Lane	0.67	346.39	1.17	201,004	0.29	0.53	0.00	0.61	0.00		13.28		
6301	6299	Loma Lane	0.67	28.52	0.42	201,004	0.41	0.53	0.00	0.61	0.00		3.15		
6299	6300	Orange Avenue	0.67	133.50	0.40	201,004	0.40	0.53	0.00	0.61	0.00		3.11		
6300	6309	Orange Avenue	0.67	98.25	0.41	201,004	0.40	0.53	0.00	0.61	0.00		2.87		
6309	6306	Orange Avenue	0.67	135.04	0.41	201,004	0.40	0.53	0.00	0.61	0.00		2.70		
6306	6331	Jade Court	0.67	401.01	0.40	201,004	0.41	0.53	0.00	0.61	0.00		6.46		
6331	*6326*	*Jade Court*	*0.67*	*399.40*	*0.40*	*201,004*	*0.41*	*0.53*	*0.00*	*0.61*	*0.00*		*3.39*		
6326	6327	Jade Court	0.67	300.88	0.40	201,004	0.41	0.52	0.00	0.75	0.00		12.19		
6327	6328	Jade Court	0.67	233.39	0.39	201,004	0.50	0.52	0.00	0.75	0.00		11.70		
6328	5874	Tourmaline Street	0.67	398.02	1.50	201,004	0.27	0.52	0.00	0.41	0.00		6.63		
5874	5872	Tourmaline Street	0.67	141.52	1.50	201,004	0.27	0.52	0.00	0.41	0.00		6.73		
5872	5873	Hilltop Drive	0.67	281.51	10.00	201,004	0.17	0.52	0.00	0.34	0.00		6.83		
5873	5883	Hilltop Drive	0.67	350.64	2.99	201,004	0.23	0.52	0.00	0.34	0.00		17.31		
5883	5882	Main Street	0.83	301.03	1.32	255,038	0.29	0.66	0.00	0.35	0.00		10.14		
5882	5881	Main Street	0.83	379.03	1.33	255,038	0.29	0.66	0.00	0.48	0.00		7.11		
5881	5880	Main Street	0.83	345.03	0.43	255,038	0.40	0.66	0.00	0.49	0.00		7.05		
5880	5879	Main Street	0.83	122.04	0.40	255,038	0.41	0.66	0.00	0.68	0.00		6.53		
5879	5890	Main Street	0.83	218.51	0.40	370,940	0.56	0.96	0.00	0.68	0.00		6.87		
5890	5889	Main Street	0.83	334.04	0.99	370,940	0.41	0.96	0.00	0.50	0.00		6.90		
5889	5888	Main Street	0.83	340.53	1.35	370,940	0.35	0.96	0.00	0.46	0.00		7.27		
5888	5887	Main Street	0.83	334.03	1.15	370,940	0.38	0.96	0.00	0.46	0.00		7.85		
5887	5886	Main Street	0.83	318.02	1.31	370,940	0.36	0.96	0.00	0.47	0.00		6.70		
5886	5130	Main Street	0.83	333.02	1.17	370,940	0.39	0.96	0.00	0.47	0.00		7.83		
5130	5129	Main Street	0.83	332.02	1.52	370,940	0.34	0.96	0.00	0.47	0.00		6.76		

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
5129	5127	Main Street	0.83	327.04	0.97	370,940	0.39	0.96	0.00	0.64	0.00		6.75		
5127	5126	Main Street	0.83	326.03	0.36	370,940	0.53	0.96	0.00	0.92	0.00		6.78	326.03	
5126	5125	Main Street	0.83	344.04	0.21	370,940	0.77	0.96	0.00	0.92	0.00		5.71	344.04	
5125	5124	Main Street	0.83	314.52	0.56	370,940	0.45	0.98	0.00	1.49	0.00		6.74	314.52	314.52
4753	4795	Second Avenue	1.25	352.98	0.67	603,299	0.49	1.60	0.00	0.41	0.00		6.51		
4795	4842	Second Avenue	1.25	319.60	0.67	603,299	0.51	1.58	0.00	0.46	0.00		6.49		
4842	4849	Quintard Street	1.25	198.09	0.67	603,299	0.57	1.61	0.00	0.48	0.00		14.40		
4849	4859	Quintard Street	1.25	225.76	0.95	603,299	0.60	1.76	0.00	2.07	0.00		11.74	225.76	225.76
4859	4864	Quintard Street	1.25	117.13	0.78	603,299	2.59	1.57	0.00	2.75	3.87	1.34	8.89	117.13	117.13
4864	4866	Quintard Street	1.25	103.53	0.78	603,299	3.44	1.57	0.00	3.35	9.25	2.19	8.77	103.53	103.53
4866	4897	Private Road	0.67	284.27	0.67	603,299	4.19	1.57	0.00	6.28	14.88	3.52	8.68	284.27	284.27
4867	4894	Private Road	0.67	275.92	0.67	659,370	0.17	0.15	0.00	0.42	0.00		12.67		
4894	4897	Private Road	1.00	12.15	0.66	Note (1)	0.28	-0.37	0	0	0				
4897	4948	Private Road	1.00	576.78	0.67	603,299	0.45	1.20	0.00	0.48	0.00		12.83		
4948	4945	Orange Avenue	1.00	371.38	0.52	603,299	0.48	1.20	0.00	0.58	0.00		13.65		
4945	4941	Orange Avenue	1.00	370.35	0.28	603,299	0.58	1.20	0.00	0.60	0.00		7.69		
4941	4957	Third Avenue	1.00	357.77	0.26	603,299	0.60	1.20	0.00	0.62	0.00		8.49		
4957	4979	Third Avenue	1.00	350.41	0.23	603,299	0.62	1.20	0.00	0.68	0.00		9.59		
4979	4999	Third Avenue	1.00	355.77	0.22	603,299	0.68	1.20	0.00	0.68	0.00		14.13		
4999	5036	Third Avenue	1.00	394.53	0.41	603,299	0.51	1.20	0.00	0.68	0.00		15.08		
5036	5035	Tremont Street	1.00	8.52	0.35	0	0.68	1.62	0.00	0.68	0.00		8.70		
4894	4924	Private Road	1.00	298.50	0.68	659,370	0.28	0.51	0.00	0.28	0.00		12.92		
4924	4946	Private Road	1.00	265.80	0.67	659,370	0.28	0.51	0.00	0.34	0.00		13.40		
4946	4947	Private Road	1.00	15.51	0.64	659,370	0.34	0.51	0.00	0.34	0.00		11.63		
4947	4944	Orange Avenue	1.00	343.19	0.52	659,370	0.30	0.51	0.00	0.36	0.00		13.77		
4944	4939	Orange Avenue	1.00	383.45	0.27	659,370	0.36	0.51	0.00	0.46	0.00		7.51		
4939	4940	Orange Avenue	1.00	7.35	0.27	659,370	0.46	0.51	0.00	0.46	0.00		8.46		
4940	4958	Third Avenue	1.00	367.92	0.26	746,526	0.44	0.74	0.00	0.46	0.00		8.50		
4958	4980	Third Avenue	1.00	350.76	0.23	746,526	0.46	0.74	0.00	0.49	0.00		9.63		
4980	5000	Third Avenue	1.00	355.90	0.22	746,526	0.49	0.74	0.00	0.49	0.00		14.20		
5000	5035	Third Avenue	1.00	384.04	0.41	746,526	0.41	0.74	0.00	0.41	0.00		15.06		
5035	5034	Tremont Street	1.00	296.01	1.21	746,526	0.54	2.35	0.00	0.59	0.00		8.70		
5034	5039	Tremont Street	1.00	15.70	1.21	432,985	0.59	1.36	0.00	0.74	0.00		6.54		
5039	5037	Tremont Street	1.00	347.54	0.25	432,985	0.74	1.36	0.00	0.74	0.00		6.28		
5034	5032	Tremont Street	1.00	361.00	0.25	313,541	0.59	1.00	0.00	0.59	0.00		6.54		
5032	5037	Tremont Street	1.00	9.70	1.62	313,541	0.44	1.00	0.00	0.48	0.00		8.30		
5037	5053	Fresno Avenue	1.00	371.40	2.07	746,526	0.48	2.35	0.00	0.54	0.00		8.41		
5053	5088	Fresno Avenue	1.00	370.88	1.33	746,526	0.54	2.35	0.00	0.56	0.00		7.65		
5088	5092	Fresno Avenue	1.00	8.63	1.28	418,055	0.56	1.31	0.00	0.56	0.00		9.03		
5092	5123	Fresno Avenue	1.00	378.13	0.40	418,055	0.55	1.31	0.00	1.18	0.00		9.07	378.13	378.13

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
5088	5095	Fresno Avenue	1.00	11.60	0.36	328,471	0.56	1.05	0.00	0.56	0.00		9.03		
5095	5124	Fresno Avenue	1.00	378.00	0.36	328,471	0.49	1.05	0.00	1.21	0.00		9.06	378.00	378.00
5124	5123	Main Street	0.83	8.55	2.11	699,411	1.24	2.00	0.00	1.49	2.99	0.41	7.70	8.55	8.55
5123	5122	Main Street	1.26	362.51	0.31	1,117,466	1.18	3.31	0.00	0.93	0.00		6.94	362.51	
5122	5121	Main Street	1.25	350.51	0.92	1,117,466	0.64	3.47	0.00	1.65	0.00		8.59	350.51	350.51
5121	5119	Main Street	1.25	310.51	0.21	2,346,226	2.06	4.27	0.00	1.65	4.10	0.81	8.41	310.51	310.51
5119	5118	Main Street	1.25	345.01	0.28	2,346,226	1.45	4.17	0.00	1.16	2.71	0.20	7.67	345.01	345.01
5118	5117	Main Street	1.25	415.51	0.40	2,346,226	1.08	4.12	0.00	0.86	0.00		7.00	415.51	
5117	5116	Main Street	1.25	411.51	0.52	2,346,226	0.94	4.11	0.00	0.75	0.00		6.81		
5116	5115	Main Street	1.25	400.51	0.66	2,346,226	0.88	4.11	0.00	0.71	0.00		7.19		
5115	5114	Main Street	1.25	400.04	0.88	2,346,226	0.76	4.11	0.00	0.60	0.00		7.76		
5114	5113	Main Street	1.25	402.05	0.88	2,346,226	0.75	4.11	0.00	0.61	0.00		7.29		
5113	5112	Main Street	1.25	398.05	0.87	2,346,226	0.76	4.11	0.00	0.81	0.00		7.61		
5112	5111	Main Street	1.25	400.07	0.60	2,346,226	1.01	4.11	0.00	1.48	0.00		7.52	400.07	400.07
5111	5110	Main Street	1.25	277.03	0.36	2,346,226	1.85	4.11	0.00	1.48	2.79	0.60	6.57	277.03	277.03
5110	5109	Main Street	1.25	109.51	0.36	2,375,354	1.72	4.19	0.00	1.38	3.38	0.47	6.97	109.51	109.51
5109	5107	Main Street	1.25	392.56	0.32	2,375,354	1.66	4.19	0.00	1.32	3.78	0.41	7.14	392.56	392.56
5107	5106	Main Street	1.25	399.54	0.72	2,375,354	0.82	4.19	0.00	0.65	0.00		7.22		
4595	4608	Oxford Street	1.00	440.65	0.42	358,512	0.45	0.94	0.00	0.45	0.00		15.60		
4608	4620	Oxford Street	1.00	440.97	0.42	358,512	0.45	0.94	0.00	0.45	0.00		10.95		
4620	4631	Oxford Street	1.00	440.61	0.42	358,512	0.45	0.94	0.00	0.45	0.00		12.05		
4631	4640	Oxford Street	1.00	344.36	0.67	449,822	0.44	1.18	0.00	0.44	0.00		8.16		
4640	4646	Oxford Street	1.00	332.82	0.66	449,822	0.44	1.18	0.00	0.55	0.00		7.96		
4646	4651	Oxford Street	1.00	111.17	0.32	449,822	0.55	1.18	0.00	0.60	0.00		7.65		
4651	4657	Oxford Street	1.00	209.71	0.33	449,822	0.60	1.18	0.00	0.60	0.00		7.61		
4657	4664	Oxford Street	1.00	326.32	0.83	449,822	0.42	1.18	0.00	0.64	0.00		7.83		
4664	4670	Oxford Street	1.00	270.98	0.25	449,822	0.64	1.18	0.00	0.64	0.00		6.22		
4670	4674	Oxford Street	1.00	372.42	0.53	449,822	0.47	1.18	0.00	0.61	0.00		8.28		
4674	4679	Oxford Street	1.00	324.74	0.53	449,822	0.61	1.18	0.00	0.61	0.00		10.10		
4679	4683	Oxford Street	1.00	351.98	4.20	449,822	0.27	1.18	0.00	0.28	0.00		2.46		
4683	4688	Oxford Street	1.00	342.82	3.64	449,822	0.28	1.18	0.00	0.47	0.00		6.73		
4688	4701	Oxford Street	1.00	325.73	0.54	449,822	0.47	1.18	0.00	0.56	0.00		8.03		
4701	4712	Oxford Street	1.00	310.47	0.59	449,822	0.56	1.18	0.00	0.56	0.00		6.31		
4712	4722	Oxford Street	1.00	314.61	2.60	449,822	0.31	1.18	0.00	0.81	0.00		5.80		
4722	4726	Oxford Street	1.00	69.26	0.27	801,075	0.81	2.08	0.00	0.81	0.00		11.47		
4726	4733	Oxford Street	1.00	400.65	0.51	801,075	0.69	2.08	0.00	0.80	0.00		11.78		
4733	4749	Oxford Street	1.00	374.44	0.45	801,075	0.80	2.08	0.00	0.80	0.00		8.22		
4749	4763	Oxford Street	1.00	321.58	0.95	801,075	0.60	2.08	0.00	0.60	0.00		8.11		
4763	4765	Oxford Street	1.00	53.60	1.32	801,075	0.50	2.08	0.00	0.85	0.00		8.95	53.60	
4765	4778	Oxford Street	1.25	407.41	0.16	801,075	0.85	2.08	0.00	0.70	0.00		8.92		
4778	4794	Oxford Street	1.25	363.32	0.15	801,075	0.87	2.08	0.00	0.70	0.00		5.24		
4794	4823	Industrial Boulevard	1.25	203.34	0.17	801,075	0.85	2.08	0.00	0.68	0.00		6.86		
4823	4828	Industrial Boulevard	1.25	35.08	0.17	400,537	0.56	1.05	0.00	0.44	0.00		9.59		
4828	4856	Industrial Boulevard	1.25	213.80	0.16	400,537	0.55	1.05	0.00	0.52	0.00		9.96		
4856	4893	Industrial Boulevard	1.25	350.19	0.17	939,181	0.65	1.41	0.00	0.53	0.00		12.01		
4893	4933	Industrial Boulevard	1.25	378.64	0.16	939,181	0.66	1.41	0.00	0.53	0.00		14.19		
4933	4950	Industrial Boulevard	1.25	334.24	0.16	939,181	0.65	1.41	0.00	0.53	0.00		14.30		

Existing Conditions, Dry Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
4950	4970	Industrial Boulevard	1.25	326.12	0.16	939,181	0.66	1.41	0.00	0.53	0.00		13.16		
4970	4987	Industrial Boulevard	1.25	329.04	0.16	939,181	0.65	1.41	0.00	0.58	0.00		15.17		
4987	5007	Industrial Boulevard	1.25	322.77	0.16	939,181	0.73	1.41	0.00	0.58	0.00		15.93		
5007	5045	Industrial Boulevard	1.00	446.39	1.05	939,181	0.43	1.41	0.00	0.53	0.00		15.62		
4823	4858	Industrial Boulevard	1.25	253.04	0.17	400,537	0.56	1.02	0.00	0.44	0.00		9.59		
4858	4895	Industrial Boulevard	1.25	350.94	0.25	400,537	0.49	1.02	0.00	0.55	0.00		12.35		
4895	4935	Industrial Boulevard	1.25	378.21	0.07	400,537	0.69	1.02	0.00	0.55	0.00		14.47		
4935	4949	Industrial Boulevard	1.25	328.81	0.16	400,537	0.55	1.02	0.00	0.51	0.00		14.37		
4949	4952	Industrial Boulevard	1.25	49.00	0.12	400,537	0.64	1.02	0.00	0.53	0.00		6.36		
4952	4972	Industrial Boulevard	1.25	280.81	0.16	1,091,032	0.66	1.42	0.00	0.53	0.00		12.73		
4972	4989	Industrial Boulevard	1.25	328.25	0.17	1,091,032	0.64	1.42	0.00	0.63	0.00		15.11		
4989	5006	Industrial Boulevard	1.25	322.09	0.11	1,091,032	0.79	1.42	0.00	0.63	0.00		15.86		
5006	5044	Industrial Boulevard	1.00	423.55	1.09	1,091,032	0.43	1.42	0.00	0.46	0.00		15.54		
5044	5045	Industrial Boulevard	1.00	26.29	1.03	1,091,032	0.46	1.42	0.00	0.53	0.00		14.72		
5045	5058	Industrial Boulevard	1.00	209.64	2.09	2,030,213	0.53	2.82	0.00	0.53	0.00		14.42		
5058	5079	Industrial Boulevard	1.00	241.76	2.16	2,030,213	0.52	2.82	0.00	0.66	0.00		6.48		
5079	5106	Industrial Boulevard	1.00	444.64	1.05	2,030,213	0.66	2.82	0.00	1.02	0.00		6.34	444.64	444.64
5106	5144	Industrial Boulevard	1.48	429.64	0.51	4,405,567	1.17	7.01	0.00	0.81	0.00		7.18		
5144	5155	Industrial Boulevard	1.50	235.26	0.47	4,405,567	1.19	7.01	0.00	0.80	0.00		7.53		

Note (1) Adverse flow through pipe section. There is capacity in parrallel line, flow diversion alternatives should be addressed.

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Max Surcharge Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
Sweetwater															
1043	1156	East H Street	1.00	350.32	5.74	348,246	0.23	0.97	0.00	0.23	0.00		8.68		
1156	1283	East H Street	1.00	350.29	1.15	348,246	0.34	0.97	0.00	0.34	0.00		10.64		
1283	1393	East H Street	1.00	351.05	2.75	348,246	0.27	0.97	0.00	0.50	0.00		8.24		
1393	1384	East H Street	1.00	279.65	0.45	348,246	0.50	0.97	0.00	0.50	0.00		10.89		
1384	1345	Hampton Court	1.00	231.82	1.30	404,271	0.36	1.12	0.00	0.36	0.00		14.39		
1345	1346	Hampton Court	1.00	403.84	1.24	404,271	0.36	1.12	0.00	0.47	0.00		8.63		
1346	1350	Hampton Court	1.00	401.10	0.50	404,271	0.47	1.12	0.00	0.48	0.00		8.93		
1350	1300	ROW	1.00	422.56	0.47	404,271	0.48	1.12	0.00	0.55	0.00		8.92		
1300	1258	ROW	1.00	365.85	0.55	404,271	0.55	1.12	0.00	0.55	0.00		13.91		
1258	1245	ROW	1.00	151.37	1.98	404,271	0.32	1.12	0.00	0.58	0.00		10.01		
1245	1246	ROW	1.00	382.55	0.53	404,271	0.58	1.12	0.00	0.58	0.00		5.80		
1246	1129	Redlands Place	1.00	397.75	3.38	404,271	0.28	1.12	0.00	0.43	0.00		13.12		
1129	1105	Redlands Place	1.00	272.79	1.00	404,271	0.43	1.12	0.00	0.43	0.00		11.58		
1105	1073	Redlands Place	1.00	241.77	2.13	404,271	0.32	1.12	0.00	0.34	0.00		8.88		
1073	1010	Redlands Place	1.00	241.31	1.53	404,271	0.34	1.12	0.00	0.40	0.00		9.11		
1010	948	Redlands Place	1.00	258.24	1.00	404,271	0.40	1.12	0.00	0.40	0.00		8.77		
948	830	Redlands Place	1.00	402.70	1.30	404,271	0.36	1.12	0.00	0.36	0.00		13.56		
830	736	ROW	1.00	509.55	19.17	404,271	0.18	1.12	0.00	0.41	0.00		5.70		
736	688	ROW	1.00	332.55	1.01	450,651	0.41	1.25	0.00	0.42	0.00		12.17		
688	633	ROW	1.00	406.43	0.89	450,651	0.42	1.25	0.00	0.42	0.00		8.83		
633	580	ROW	1.00	400.62	0.90	450,651	0.42	1.25	0.00	0.60	0.00		5.95		
580	520	ROW	1.00	404.67	0.49	450,651	0.60	1.25	0.00	0.60	0.00		25.85		
520	510	ROW	1.00	112.35	1.78	450,651	0.35	1.25	0.00	0.39	0.00		17.00		
510	507	ROW	1.00	46.58	1.87	450,651	0.39	1.25	0.00	0.39	0.00		8.76		
507	486	ROW	1.00	163.85	4.99	450,651	0.27	1.25	0.00	0.40	0.00		4.85		
486	475	ROW	1.00	65.52	1.07	450,651	0.40	1.25	0.00	0.56	0.00		6.60		
475	474	Country Vista Lane	1.00	108.27	0.52	554,841	0.56	1.53	0.00	0.61	0.00		6.44		
474	467	Country Vista Lane	1.00	317.07	0.50	554,841	0.61	1.53	0.00	0.61	0.00		9.15		
467	464	Country Vista Lane	1.00	195.32	0.89	554,841	0.49	1.53	0.00	0.49	0.00		15.02		
464	463	Country Vista Lane	1.00	91.00	1.07	554,841	0.45	1.53	0.00	0.50	0.00		13.87		
463	409	Country Vista Lane	1.00	373.73	1.06	554,841	0.50	1.53	0.00	0.50	0.00		11.28		
409	437	Sandy Creek Drive	1.00	221.36	1.99	554,841	0.38	1.53	0.00	0.39	0.00		21.52		
437	430	Sandy Creek Drive	1.00	63.82	1.96	554,841	0.39	1.53	0.00	0.39	0.00		17.42		
430	445	Acacia Avenue	1.00	120.09	2.31	554,841	0.36	1.53	0.00	0.36	0.00		17.59		
445	455	Acacia Avenue	1.00	114.12	12.65	554,841	0.23	1.53	0.00	0.23	0.00		22.70		
455	435	Acacia Avenue	1.00	332.75	2.15	554,841	0.37	1.53	0.00	0.38	0.00		7.86		
435	411	Acacia Avenue	1.00	351.27	2.59	554,841	0.38	1.53	0.00	0.38	0.00		7.27		
411	383	Acacia Avenue	1.00	351.02	3.99	554,841	0.31	1.53	0.00	0.42	0.00		8.19		
383	363	Acacia Avenue	1.00	373.47	2.01	554,841	0.42	1.53	0.00	0.42	0.00		8.38		
363	349	Acacia Avenue	1.00	334.33	3.73	554,841	0.32	1.53	0.00	0.46	0.00		8.68		
349	347	Acacia Avenue	1.00	55.08	0.98	554,841	0.46	1.53	0.00	0.46	0.00		12.81		
347	329	Acacia Avenue	1.00	398.92	1.02	554,841	0.46	1.53	0.00	0.47	0.00		12.96		
329	317	Acacia Avenue	1.00	420.70	1.01	554,841	0.47	1.53	0.00	0.47	0.00		10.39		
317	285	Acacia Avenue	1.00	404.54	1.87	554,841	0.43	1.53	0.00	0.43	0.00		6.33		
285	249	Acacia Avenue	1.00	382.24	3.61	554,841	0.32	1.53	0.00	0.39	0.00		6.50		
249	222	Acacia Avenue	1.00	364.73	2.90	554,841	0.39	1.53	0.00	0.39	0.00		7.47		
222	191	Acacia Avenue	1.00	263.74	6.53	554,841	0.28	1.53	0.00	0.31	0.00		6.64		
191	157	Acacia Avenue	1.00	352.62	4.32	554,841	0.31	1.53	0.00	0.36	0.00		6.52		
157	111	Acacia Avenue	1.00	355.88	2.64	554,841	0.36	1.53	0.00	0.36	0.00		7.42		
111	105	Acacia Avenue	1.00	110.87	3.04	554,841	0.34	1.53	0.00	0.34	0.00		6.74		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
105	91	Acacia Avenue	1.00	247.45	3.04	554,841	0.34	1.53	0.00	0.41	0.00		8.25		
91	64	Acacia Avenue	1.00	347.91	1.51	554,841	0.41	1.53	0.00	0.41	0.00		11.56		
64	49	Acacia Avenue	1.00	350.37	1.50	554,841	0.41	1.53	0.00	0.43	0.00		11.11		
49	41	Acacia Avenue	1.00	287.28	1.21	554,841	0.43	1.53	0.00	0.43	0.00		10.37		
41	38	Acacia Avenue	1.00	62.85	1.21	554,841	0.43	1.53	0.00	0.52	0.00		10.94		
869	7302	Otay Lakes Road	0.67	224.70	3.06	97,188	0.16	0.27	0.00	0.24	0.00		3.44		
7302	7303	Otay Lakes Road	0.67	399.29	3.11	97,188	0.16	0.27	0.00	0.24	0.00		5.31		
7303	791	Otay Lakes Road	0.67	103.18	2.90	97,188	0.16	0.27	0.00	0.29	0.00		4.71		
791	740	Otay Lakes Road	0.67	248.05	2.99	138,358	0.19	0.38	0.00	0.30	0.00		3.67		
740	709	Otay Lakes Road	0.67	273.69	2.59	138,358	0.20	0.38	0.00	0.30	0.00		6.07		
709	693	Otay Lakes Road	0.67	126.02	2.62	138,358	0.20	0.38	0.00	0.32	0.00		5.17		
693	628	Otay Lakes Road	0.67	401.22	2.09	138,358	0.21	0.38	0.00	0.35	0.00		5.46		
628	618	Otay Lakes Road	0.67	399.33	1.50	138,358	0.23	0.38	0.00	0.39	0.00		4.84		
618	615	Otay Lakes Road	0.67	345.35	1.49	138,358	0.26	0.38	0.00	0.39	0.00		5.81		
615	603	Otay Lakes Road	0.67	398.38	2.81	138,358	0.20	0.38	0.00	0.30	0.00		6.03		
603	595	Otay Lakes Road	0.67	401.19	3.19	138,358	0.19	0.38	0.00	0.29	0.00		6.24		
595	568	Otay Lakes Road	0.67	399.25	4.57	138,358	0.18	0.38	0.00	0.28	0.00		6.05		
568	482	Otay Lakes Road	0.67	401.98	6.27	138,358	0.16	0.38	0.00	0.26	0.00		6.32		
482	422	Otay Lakes Road	0.67	398.36	4.52	138,358	0.17	0.38	0.00	0.28	0.00		8.51		
422	364	Otay Lakes Road	0.67	400.88	3.82	138,358	0.19	0.38	0.00	0.28	0.00		6.49		
364	324	Otay Lakes Road	0.67	403.23	4.22	138,358	0.18	0.38	0.00	0.56	0.00		6.80		
324	278	Otay Lakes Road	0.67	375.13	1.20	209,647	0.37	0.58	0.00	0.56	0.00		12.63		
278	225	Otay Lakes Road	0.67	394.96	3.80	209,647	0.23	0.58	0.00	0.40	0.00		6.28		
225	207	Otay Lakes Road	0.67	172.09	2.70	248,032	0.27	0.68	0.00	0.41	0.00		5.26		
207	193	Otay Lakes Road	0.67	100.21	2.69	248,032	0.27	0.68	0.00	0.41	0.00		4.90		
193	175	Otay Lakes Road	0.67	126.50	2.74	248,032	0.27	0.68	0.00	0.40	0.00		4.60		
175	160	Otay Lakes Road	0.67	169.63	2.71	248,032	0.27	0.68	0.00	0.41	0.00		6.06		
160	146	Otay Lakes Road	0.67	61.89	2.62	248,032	0.27	0.68	0.00	0.41	0.00		6.65		
146	140	Otay Lakes Road	0.67	56.44	17.74	248,032	0.16	0.68	0.00	0.25	0.00		7.38		
2042	2006	Rice Canyon	0.83	316.96	2.55	307,069	0.28	0.85	0.00	0.34	0.00		14.17		
2006	2005	Rice Canyon	0.83	238.00	6.93	307,069	0.22	0.85	0.00	0.26	0.00		5.27		
2005	1989	Rice Canyon	0.83	396.13	0.99	307,069	0.36	0.85	0.00	0.43	0.00		5.03		
1989	1977	Rice Canyon	0.83	397.44	2.03	307,069	0.30	0.85	0.00	0.36	0.00		4.71		
1977	1976	Rice Canyon	0.83	292.91	0.98	307,069	0.36	0.85	0.00	0.43	0.00		4.72		
1976	1984	Rice Canyon	0.83	400.28	2.48	307,069	0.28	0.85	0.00	0.34	0.00		5.78		
1984	2017	Rice Canyon	0.83	382.65	1.49	346,399	0.34	0.96	0.00	0.41	0.00		7.56		
2017	2020	Rice Canyon	1.00	248.38	1.05	346,399	0.35	0.96	0.00	0.35	0.00		3.59		
2020	2051	Rice Canyon	1.00	244.81	1.09	346,399	0.35	0.96	0.00	0.35	0.00		4.20		
2051	2077	Rice Canyon	1.00	178.90	5.20	346,399	0.23	0.96	0.00	0.35	0.00		12.39		
2077	2085	Rice Canyon	1.00	242.25	0.39	346,399	0.49	0.96	0.00	0.49	0.00		5.78		
2085	2129	Rice Canyon	1.00	283.72	2.09	346,399	0.29	0.96	0.00	0.29	0.00		8.33		
2129	2159	Rice Canyon	1.00	393.92	1.51	346,399	0.32	0.96	0.00	0.32	0.00		3.48		
2159	2165	Rice Canyon	1.00	113.75	4.25	346,399	0.24	0.96	0.00	0.42	0.00		5.52		
2165	2171	Rice Canyon	1.00	400.28	0.42	445,512	0.52	1.23	0.00	0.67	0.00		8.57		
2171	2115	Rice Canyon	1.00	337.55	0.42	445,512	0.67	1.23	0.00	0.67	0.00		6.70		
2115	2114	Rice Canyon	1.00	248.06	4.03	445,512	0.28	1.23	0.00	0.31	0.00		6.72		
2114	2121	Rice Canyon	1.00	399.27	2.85	445,512	0.31	1.23	0.00	0.53	0.00		4.29		
2121	2145	Rice Canyon	1.00	103.33	0.47	445,512	0.53	1.23	0.00	0.53	0.00		6.64		
2145	2146	Rice Canyon	1.00	201.73	0.82	445,512	0.43	1.23	0.00	0.44	0.00		4.43		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
2146	2157	Rice Canyon	1.00	380.08	1.21	445,512	0.44	1.23	0.00	0.44	0.00		0.98		
2157	2190	Rice Canyon	1.00	399.50	2.52	445,512	0.32	1.23	0.00	0.34	0.00		5.71		
2190	2208	Rice Canyon	1.00	251.21	1.83	445,512	0.34	1.23	0.00	0.34	0.00		15.76		
2208	2238	Rice Canyon	1.00	188.99	1.83	445,512	0.34	1.23	0.00	0.34	0.00		9.45		
2238	2262	Rice Canyon	1.00	181.21	1.83	445,512	0.34	1.23	0.00	0.36	0.00		4.20		
2262	2291	Rice Canyon	1.00	191.08	1.83	496,793	0.36	1.37	0.00	0.38	0.00		9.70		
2291	7420	Rice Canyon	1.00	106.79	1.64	496,793	0.38	1.37	0.00	0.38	0.00		5.67		
7420	2391	Rice Canyon	1.00	339.48	1.17	496,793	0.41	1.37	0.00	0.41	0.00		15.19		
2391	2475	Rice Canyon	1.00	341.52	2.75	496,793	0.33	1.37	0.00	0.35	0.00		6.77		
2475	2506	Rice Canyon	1.00	228.02	1.29	496,793	0.40	1.37	0.00	0.40	0.00		8.25		
2506	2537	Rice Canyon	1.00	160.46	3.48	496,793	0.31	1.37	0.00	0.42	0.00		13.90		
2537	2576	Rice Canyon	1.00	212.85	1.07	496,793	0.42	1.37	0.00	0.43	0.00		15.58		
2576	2618	Rice Canyon	1.00	278.44	0.98	496,793	0.43	1.37	0.00	0.43	0.00		18.85		
2618	2636	Rice Canyon	1.00	125.53	11.90	496,793	0.23	1.37	0.00	0.56	0.00		10.77		
7609	7604	Camino Del Sol	0.67	92.74	1.13	174,884	0.28	0.49	0.00	0.43	0.00		8.33		
7604	7603	Camino Del Sol	0.67	145.54	1.13	174,884	0.28	0.49	0.00	0.52	0.00		9.97		
7603	7608	Camino Del Sol	0.67	332.81	1.23	174,884	0.35	0.49	0.00	0.52	0.00		9.63		
7608	7602	Camino Del Sol	0.67	132.47	5.17	174,884	0.19	0.49	0.00	0.36	0.00		14.66		
7602	7601	Camino Del Sol	0.67	391.89	2.04	174,884	0.24	0.49	0.00	0.42	0.00		10.94		
7601	7600	Camino Del Sol	0.67	341.65	1.31	174,884	0.28	0.49	0.00	0.42	0.00		6.51		
7600	7588	Camino Del Sol	0.67	336.25	1.38	174,884	0.27	0.49	0.00	0.40	0.00		6.04		
7588	7587	Camino Del Sol	0.67	393.97	1.38	174,884	0.27	0.49	0.00	0.40	0.00		5.89		
7587	7586	Camino Del Sol	0.67	66.25	1.40	174,884	0.27	0.49	0.00	0.40	0.00		8.77		
7586	7577	Camino Del Sol	0.67	72.32	1.41	174,884	0.27	0.49	0.00	0.41	0.00		8.11		
7577	7576	Camino Del Sol	0.67	172.52	1.40	174,884	0.27	0.49	0.00	0.41	0.00		7.27		
7576	7585	Camino Del Sol	0.67	143.99	1.50	174,884	0.27	0.49	0.00	0.40	0.00		12.97		
7585	7582	Camino Del Sol	0.67	98.28	1.56	174,884	0.26	0.49	0.00	0.39	0.00		9.52		
7582	7581	Camino Del Sol	0.67	252.52	1.49	174,884	0.26	0.49	0.00	0.40	0.00		7.37		
7581	7572	Camino Del Sol	0.67	346.76	1.49	174,884	0.26	0.49	0.00	0.40	0.00		4.57		
7572	7578	Camino Del Sol	0.67	91.30	1.49	174,884	0.26	0.49	0.00	0.40	0.00		7.14		
7578	7579	Camino Del Sol	0.67	171.60	1.49	174,884	0.27	0.49	0.00	0.40	0.00		6.61		
7579	2874	East H Street	0.67	114.64	1.61	174,884	0.26	0.49	0.00	0.44	0.00		5.80		
2874	2867	East H Street	0.67	402.11	3.79	275,130	0.29	0.76	0.00	0.44	0.00		6.71		
2867	2857	East H Street	1.00	403.12	4.17	275,130	0.22	0.76	0.00	0.40	0.00		7.69		
2857	2847	East H Street	1.00	279.68	1.01	275,130	0.40	0.76	0.00	0.40	0.00		8.25		
2847	2829	East H Street	1.00	194.85	8.45	275,130	0.18	0.76	0.00	0.21	0.00		11.18		
2829	2794	East H Street	1.00	325.60	5.00	275,130	0.21	0.76	0.00	0.21	0.00		8.39		
2794	2736	East H Street	1.00	398.59	5.67	275,130	0.20	0.76	0.00	0.22	0.00		7.94		
2736	2678	East H Street	1.00	394.00	3.94	275,130	0.22	0.76	0.00	0.30	0.00		8.40		
2678	2644	East H Street	1.00	341.13	3.34	358,712	0.30	0.98	0.00	0.30	0.00		8.26		
2644	2636	East H Street	1.00	365.97	6.70	358,712	0.22	0.98	0.00	0.56	0.00		9.11		
2636	2637	East H Street	1.00	107.00	1.21	855,505	0.56	2.35	0.00	0.60	0.00		20.13		
2637	2639	East H Street	1.00	402.02	1.19	912,948	0.60	2.51	0.00	0.60	0.00		17.81		
2639	2640	East H Street	1.00	200.16	1.33	912,948	0.57	2.51	0.00	0.57	0.00		15.46		
2640	2630	East H Street	1.00	225.18	1.38	912,948	0.56	2.51	0.00	0.57	0.00		16.14		
2630	2615	East H Street	1.00	399.21	1.30	912,948	0.57	2.51	0.00	0.57	0.00		17.23		
2615	2592	East H Street	1.00	396.35	1.36	912,948	0.56	2.51	0.00	0.71	0.00		18.44		
2592	2586	East H Street	1.25	247.18	0.40	912,948	0.71	2.51	0.00	0.57	0.00		19.69		
2586	2580	East H Street	1.25	249.57	0.40	912,948	0.71	2.51	0.00	0.57	0.00		17.68		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
2580	2563	East H Street	1.25	194.48	0.40	912,948	0.71	2.51	0.00	0.57	0.00		16.67		
2563	2549	East H Street	1.25	307.98	0.40	912,948	0.71	2.51	0.00	0.66	0.00		15.45		
2549	2517	East H Street	1.25	326.53	0.40	1,083,341	0.82	2.97	0.00	0.66	0.00		13.57		
2517	2486	East H Street	1.25	256.35	0.50	1,083,341	0.73	2.97	0.00	0.59	0.00		11.47		
2486	2449	East H Street	1.25	211.76	0.50	1,083,341	0.73	2.97	0.00	0.59	0.00		14.25		
2449	2414	East H Street	1.25	237.62	0.50	1,083,341	0.73	2.97	0.00	0.63	0.00		17.31		
2414	2355	East H Street	1.25	326.27	0.40	1,083,341	0.79	2.97	0.00	0.67	0.00		20.82		
2355	2330	East H Street	1.25	359.67	0.40	1,180,529	0.84	3.23	0.00	0.67	0.00		21.69		
2330	2331	East H Street	1.25	358.53	0.40	1,180,529	0.84	3.23	0.00	0.67	0.00		23.13		
2331	2333	East H Street	1.25	91.08	21.94	1,180,529	0.28	3.23	0.00	0.54	0.00		21.93		
2333	2371	East H Street	1.25	294.09	1.67	1,180,529	0.68	3.23	0.00	0.54	0.00		37.71		
2371	2336	East H Street	1.25	476.32	8.19	1,180,529	0.35	3.23	0.00	0.44	0.00		42.66		
2336	2219	ROW	1.25	445.37	1.49	1,180,529	0.55	3.23	0.00	0.45	0.00		8.76		
2219	2107	ROW	1.25	411.79	1.46	1,180,529	0.56	3.23	0.00	0.45	0.00		6.79		
2107	1967	ROW	1.25	404.99	1.48	1,180,529	0.56	3.23	0.00	0.45	0.00		8.39		
1967	1806	ROW	1.25	353.37	1.70	1,180,529	0.56	3.23	0.00	0.44	0.00		7.39		
1806	7661	ROW	1.50	408.37	1.47	1,180,529	0.51	3.23	0.00	0.51	0.00		9.44		
7661	1490	ROW	1.50	335.72	0.54	1,180,529	0.77	3.23	0.00	0.51	0.00		9.68		
1490	7647	ROW	1.50	294.32	1.44	1,180,529	0.52	3.23	0.00	0.41	0.00		10.23		
7647	7892	Plaza Bonita Road	1.50	23.59	1.27	1,180,529	0.61	3.23	0.00	0.57	0.00		9.89		
7892	7643	Plaza Bonita Road	1.50	281.46	0.30	1,180,529	0.85	3.23	0.00	0.57	0.00		10.20		
7643	1211	Plaza Bonita Road	1.50	339.52	0.50	1,180,529	0.69	3.23	0.00	0.46	0.00		11.58		
1211	1165	Plaza Bonita Road	1.50	400.44	0.50	1,180,529	0.69	3.23	0.00	0.48	0.00		16.41		
1165	1102	Plaza Bonita Road	1.50	397.62	0.50	1,180,529	0.71	3.23	0.00	0.48	0.00		9.75		
1102	1074	Plaza Bonita Road	1.50	226.00	0.67	1,180,529	0.66	3.43	0.00	0.50	0.00		9.79		
1074	1054	Plaza Bonita Road	1.67	85.42	0.43	1,264,989	0.74	3.66	0.00	0.55	0.00		9.19		
1054	963	Plaza Bonita Road	1.67	351.69	0.20	1,264,989	0.96	3.66	0.00	0.58	0.00		8.30		
963	923	Plaza Bonita Road	1.67	142.12	0.42	1,264,989	0.75	3.66	0.00	0.45	0.00		8.42		
1080	1110	C Street	1.00	299.28	0.23	435,388	0.61	1.19	0.00	0.62	0.00		6.39		
1110	1119	C Street	1.00	134.50	0.23	435,388	0.62	1.19	0.00	0.67	0.00		6.38		
1119	1116	Fifth Avenue	1.00	9.72	0.21	435,388	0.67	1.19	0.00	0.67	0.00		6.33		
1116	1001	Fifth Avenue	1.00	322.06	0.23	435,388	0.62	1.19	0.00	0.62	0.00		16.40		
1001	914	Fifth Avenue	1.00	304.63	0.23	435,388	0.62	1.19	0.00	0.62	0.00		5.64		
914	883	Fifth Avenue	1.00	106.10	0.24	435,388	0.61	1.19	0.00	0.62	0.00		9.35		
883	836	Fifth Avenue	1.00	154.96	0.23	435,388	0.62	1.19	0.00	0.62	0.00		12.09		
836	848	Fifth Avenue	1.00	55.36	0.23	435,388	0.58	1.19	0.00	0.58	0.00		9.98		
G Street															
5359	5362	G Street	1.00	72.19	2.44	234,944	0.32	0.65	0.00	0.36	0.00		12.66		
5362	5371	G Street	1.00	374.07	0.53	234,944	0.36	0.65	0.00	0.36	0.00		13.89		
5371	5381	G Street	1.00	375.37	0.68	234,944	0.32	0.65	0.00	0.32	0.00		15.30		
5381	5385	G Street	1.00	373.56	0.68	234,944	0.32	0.65	0.00	0.32	0.00		14.85		
5385	5388	G Street	1.00	148.46	2.18	234,944	0.24	0.65	0.00	0.40	0.00		14.51		
5291	5290	Third Avenue	1.00	169.13	2.23	224,365	0.23	0.62	0.00	0.40	0.00		9.31		
5290	5308	Third Avenue	1.00	274.90	0.28	224,365	0.40	0.62	0.00	0.41	0.00		12.12		
5308	5316	Alley	1.00	358.29	0.26	224,365	0.41	0.62	0.00	0.41	0.00		11.87		
5316	5301	Alley	1.00	192.55	0.30	224,365	0.40	0.62	0.00	0.40	0.00		15.70		
5301	5299	Alley	1.00	127.53	0.30	224,365	0.37	0.62	0.00	0.57	0.00		10.66		
5299	5300	Alley	1.00	162.94	0.32	224,365	0.57	0.62	0.00	1.04	0.00		9.99	162.94	162.94

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
5300	5298	Center Street	1.00	34.55	0.26	224,365	1.04	0.62	0.00	1.12	1.66	0.04	9.89	34.55	34.55
5298	5314	Center Street	1.00	629.88	0.02	336,460	1.12	0.92	0.00	1.12	3.30	0.12	9.90	629.88	629.88
5314	5369	Fourth Avenue	1.00	677.01	0.17	336,460	0.58	0.92	0.00	0.64	0.00		12.99		
5369	5388	Fourth Avenue	1.00	323.55	0.16	336,460	0.64	0.92	0.00	0.64	0.00		13.62		
5388	5397	G Street	1.25	451.43	1.14	571,404	0.40	1.56	0.00	0.32	0.00		16.58		
5397	5402	G Street	1.25	440.33	1.17	571,404	0.40	1.56	0.00	0.32	0.00		15.13		
5402	5405	G Street	1.25	417.09	1.20	571,404	0.40	1.56	0.00	0.41	0.00		14.28		
5405	5406	G Street	1.25	11.03	1.18	571,404	0.51	1.56	0.00	0.41	0.00		13.43		
5348	5372	Fifth Avenue	1.00	333.40	0.12	203,105	0.48	0.56	0.00	0.48	0.00		11.94		
5372	5396	Fifth Avenue	1.00	327.52	0.12	203,105	0.47	0.56	0.00	0.52	0.00		8.34		
5396	5406	Fifth Avenue	1.00	324.58	0.12	203,105	0.52	0.56	0.00	0.52	0.00		10.49		
5406	5416	G Street	1.25	438.23	1.33	774,509	0.46	2.11	0.00	0.43	0.00		13.46		
5416	5420	G Street	1.25	438.23	0.70	774,509	0.54	2.11	0.00	0.65	0.00		14.72		
5420	2970	G Street	1.25	423.91	0.42	774,509	0.81	2.11	0.00	0.65	0.00		13.53		
2210	2310	Broadway	1.00	337.33	0.16	419,241	0.69	1.16	0.00	0.69	0.00		16.82		
2310	2415	Broadway	1.00	330.97	0.16	419,241	0.69	1.16	0.00	0.69	0.00		16.66		
2415	2502	Broadway	1.00	331.27	0.16	419,241	0.69	1.16	0.00	0.75	0.00		15.79		
2502	2571	Broadway	1.00	335.66	0.16	419,241	0.75	1.16	0.00	0.75	0.00		15.66		
2571	2570	Broadway	1.00	57.40	0.16	419,241	0.60	1.16	0.00	0.60	0.00		15.04		
2570	2643	Broadway	1.25	313.85	0.09	419,241	0.71	1.16	0.00	0.59	0.00		15.52		
2643	2653	Broadway	1.25	30.28	0.07	419,241	0.74	1.16	0.00	0.59	0.00		14.42		
2653	2743	Broadway	1.25	315.21	0.07	419,241	0.74	1.16	0.00	0.59	0.00		14.30		
2743	2828	Broadway	1.25	330.92	0.08	419,241	0.73	1.16	0.00	0.59	0.00		13.08		
2828	2903	Broadway	1.25	341.24	0.08	419,241	0.74	1.16	0.00	0.62	0.00		12.33		
2903	2970	Broadway	1.25	312.59	0.08	470,200	0.77	1.29	0.00	0.62	0.00		12.02		
2970	2981	G Street	1.50	50.70	7.73	1,244,709	0.35	3.41	0.00	0.31	0.00		11.60		
2650	2770	Broadway	0.67	421.31	0.12	300,276	4.86	0.83	0.00	7.29	15.58	4.19	2.14	421.31	421.31
2770	2869	Broadway	0.67	442.47	0.13	300,276	3.50	0.83	0.00	5.25	15.15	2.83	3.50	442.47	442.47
2869	2901	Broadway	0.67	132.87	0.17	300,276	2.08	0.83	0.00	3.12	12.67	1.41	4.92	132.87	132.87
2901	2978	Broadway	0.67	332.62	0.17	300,276	1.69	0.83	0.00	2.53	12.09	1.02	5.31	332.62	332.62
2978	2980	Broadway	0.67	3.28	0.30	300,276	0.75	0.83	0.00	1.12	3.60	0.08	6.25	3.28	3.28
2980	2981	Broadway	0.67	4.00	0.25	300,276	0.62	0.83	0.00	0.94	0.00		6.38	4.00	
2981	2982	G Street	1.50	11.70	9.66	1,544,985	0.46	4.23	0.00	0.41	0.00		15.56		
5359	5361	G Street	0.83	43.13	0.28	126,508	0.32	0.36	0.00	0.38	0.00		12.66		
5361	5363	G Street	0.83	151.13	0.30	126,508	0.31	0.36	0.00	0.37	0.00		12.79		
5363	5373	G Street	0.83	487.28	0.30	126,508	0.31	0.35	0.00	0.42	0.00		13.25		
5373	5391	G Street	0.83	661.94	0.30	126,508	0.35	0.35	0.00	0.42	0.00		12.37		
5391	5395	G Street	1.00	214.84	0.64	561,385	0.32	0.62	0.00	0.32	0.00		15.67		
5395	5398	G Street	1.00	445.24	0.64	561,385	0.32	0.62	0.00	0.32	0.00		14.11		
5398	5408	G Street	1.00	659.69	0.64	561,385	0.32	0.62	0.00	0.32	0.00		10.89		
5408	5418	G Street	1.00	660.28	0.56	561,385	0.33	0.62	0.00	0.33	0.00		12.97		
5418	2976	G Street	1.00	626.19	0.55	561,385	0.33	0.62	0.00	0.44	0.00		13.81		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3474	3426	Broadway	1.00	141.09	0.35	61,188	0.19	0.17	0.00	0.22	0.00		6.81		
3426	3283	Broadway	1.00	415.63	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
3283	3234	Broadway	1.00	125.52	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
3234	3208	Broadway	1.00	103.11	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
3208	3207	Broadway	1.00	95.27	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
3207	5512	Broadway	1.00	199.11	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
5512	3097	Broadway	1.00	125.20	0.20	61,188	0.22	0.17	0.00	0.25	0.00		6.78		
3097	3057	Broadway	1.00	167.38	0.20	61,188	0.25	0.17	0.00	0.25	0.00		6.75		
3057	2976	Broadway	1.00	335.18	0.42	61,188	0.15	0.17	0.00	0.23	0.00		6.85		
2976	2975	G Street	1.00	13.84	0.29	622,573	0.44	0.79	0.00	0.44	0.00		11.60		
2975	2984	G Street	1.50	50.32	7.81	622,573	0.17	0.79	0.00	0.14	0.00		11.80		
2984	2982	G Street	1.50	14.31	7.69	622,573	0.20	0.79	0.00	0.41	0.00		15.90		
2982	NewMH12	G Street	1.50	616.96	0.56	2,137,201	0.62	4.51	0.00	0.61	0.00		16.40		
NewMH12	NewMH4	G Street	2.25	1365.09	0.50	2,137,201	0.77	5.58	0.00	0.40	0.00		16.82		
2778	2799	F Street	1.00	261.18	0.34	213,391	0.36	0.59	0.00	0.38	0.00		6.64		
2799	2838	Private Road	1.00	160.57	0.28	213,391	0.38	0.59	0.00	0.40	0.00		16.87		
2838	2837	Private Road	1.00	74.28	0.24	213,391	0.40	0.59	0.00	0.40	0.00		17.30		
2837	2913	Private Road	1.00	377.26	0.25	213,391	0.40	0.59	0.00	0.42	0.00		17.48		
2913	3001	Private Road	1.00	391.22	0.24	213,391	0.42	0.59	0.00	0.42	0.00		13.40		
3001	3094	Private Road	1.00	374.40	0.32	213,391	0.37	0.59	0.00	0.68	0.00		13.39		
3094	NewMH4	G Street	1.25	5.00	2.06	213,391	0.81	0.59	0.00	0.73	0.00		3.54		
NewMH4	NewMH3	G Street	2.25	262.09	0.50	2,350,592	0.91	6.16	0.00	0.40	0.00		12.49		
NewMH3	3119	G Street	1.50	51.11	0.84	1,245,814	0.60	3.26	0.00	0.46	0.00		12.62		
3119	3142	G Street	1.50	401.23	0.42	1,245,814	0.79	3.26	0.00	0.53	0.00		13.70		
3142	NewMH2	G Street	1.50	58.24	0.68	1,255,622	0.64	3.29	0.00	0.55	0.00		9.09		
NewMH3	N590	G Street	1.75	60.23	0.50	1,104,778	0.60	2.90	0.00	0.38	0.00		12.62		
N590	N593	G Street	1.75	389.32	0.36	1,104,778	0.77	2.90	0.00	0.44	0.00		13.40		
N593	NewMH2	G Street	1.75	61.03	1.33	1,104,778	0.47	2.90	0.00	0.47	0.00		10.05		
NewMH2	NewMH1B	G Street	2.25	256.00	0.50	2,360,400	0.82	6.19	0.00	0.39	0.00		7.21		
NewMH1B	3169	G Street	2.25	20.33	0.50	2,360,400	0.88	6.19	0.00	0.39	0.00		5.13		
3169	NewMH1A	G Street	2.25	50.21	0.25	2,465,801	1.01	6.47	0.00	0.45	0.00		5.35		
NewMH1A	BeginVault	G Street	2.00	8.00	0.22	2,465,801	1.01	6.47	0.00	0.51	0.00		5.27		
BeginVault	3170	G Street	2.00	11.66	0.26	2,465,801	0.86	6.47	0.00	0.43	0.00		5.45		
3170	3172	G Street	2.00	45.00	3.29	2,465,801	0.60	6.47	0.00	0.30	0.00		3.64		
3172	3148	G Street	2.00	92.49	7.89	2,465,801	0.43	6.47	0.00	0.45	0.00		3.80		
Telegraph															
MH34	MH35	J Street	1.75	367.00	0.37	2,666,674	1.10	6.98	0.00	0.63	0.00		5.04		
MH35	3371	J Street	1.75	378.00	0.37	2,666,674	1.10	6.98	0.00	0.63	0.00		5.40		
3371	3425	J Street	0.67	439.74	1.89	248,890	0.29	0.64	0.00	0.50	0.00		6.71		
3425	3450	J Street	0.67	203.46	1.14	248,890	0.33	0.64	0.00	0.54	0.00		6.67		
3450	3473	J Street	0.67	237.31	1.13	257,470	0.36	0.66	0.00	0.54	0.00		6.64		
3473	3519	J Street	0.67	440.73	1.57	257,470	0.31	0.66	0.00	0.47	0.00		6.69		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3519	3527	J Street	0.67	42.48	1.65	257,470	0.30	0.66	0.00	0.73	0.00		6.70		
3371	3362	J Street	1.75	7.81	191.32	2,516,551	0.29	6.59	0.00	0.61	0.00		6.71		
3362	3420	J Street	1.75	451.55	0.37	2,541,306	1.07	6.63	0.00	0.62	0.00		19.78		
3420	3472	J Street	1.75	447.18	0.36	2,541,306	1.08	6.63	0.00	0.62	0.00		14.42		
3472	3514	J Street	1.75	424.63	0.42	2,541,306	1.07	6.62	0.00	0.61	0.00		11.04		
3514	3527	J Street	1.50	42.94	2.47	2,539,756	0.66	6.64	0.00	0.53	0.00		6.92		
3527	3570	J Street	1.50	398.57	1.59	2,797,226	0.80	7.30	0.00	0.57	0.00		7.34		
3570	3604	J Street	1.50	441.16	1.30	2,846,015	0.85	7.43	0.00	0.57	0.00		6.62		
3604	3660	J Street	1.50	440.17	1.28	2,846,015	0.86	7.43	0.00	0.57	0.00		7.84		
3660	3698	J Street	1.50	335.37	1.28	2,846,015	0.86	7.43	0.00	0.57	0.00		7.48		
3698	3733	J Street	1.50	325.18	1.28	2,846,015	0.86	7.43	0.00	0.58	0.00		7.28		
3733	3766	J Street	1.50	325.54	1.28	2,846,015	0.87	7.43	0.00	0.58	0.00		7.44		
3766	3812	J Street	1.50	316.28	1.34	2,846,015	0.85	7.43	0.00	0.57	0.00		7.13		
3812	3819	J Street	1.50	51.98	0.88	2,846,015	0.97	7.43	0.00	0.65	0.00		6.99		
3819	3843	J Street	1.50	263.19	0.88	2,846,015	0.97	7.43	0.00	0.65	0.00		6.87		
3843	3862	J Street	1.50	344.55	1.74	2,846,015	0.79	7.43	0.00	0.53	0.00		6.54		
3862	3875	J Street	1.50	153.38	1.80	2,846,015	0.77	7.43	0.00	0.52	0.00		8.55		
3875	3888	J Street	1.50	184.41	1.79	2,846,015	0.77	7.43	0.00	0.52	0.00		9.27		
3888	3893	J Street	1.50	73.53	1.75	2,846,015	0.78	7.43	0.00	0.55	0.00		10.11		
3893	3922	J Street	1.50	273.71	1.75	2,846,015	0.78	7.43	0.00	0.57	0.00		9.49		
3922	3938	J Street	1.49	330.13	1.50	3,012,319	0.86	7.84	0.00	0.57	0.00		7.10		
3938	3961	J Street	1.50	325.45	1.52	3,012,319	0.84	7.84	0.00	0.57	0.00		5.57		
3961	3980	J Street	1.50	333.96	1.48	3,012,319	0.85	7.84	0.00	0.57	0.00		6.27		
3980	4001	J Street	1.50	330.80	1.50	3,012,319	0.85	7.84	0.00	0.59	0.00		7.22		
4001	4025	J Street	1.50	345.46	1.42	3,135,157	0.88	8.14	0.00	0.59	0.00		8.89		
4025	4038	J Street	1.50	350.44	1.40	3,135,157	0.89	8.14	0.00	0.69	0.00		8.78		
4038	4066	J Street	1.50	329.81	1.48	3,135,157	1.04	8.14	0.00	0.69	0.00		9.02		
4066	4075	J Street	1.50	276.13	4.18	3,135,157	0.64	8.14	0.00	0.61	0.00		8.56		
4075	4080	J Street	1.50	72.18	1.25	3,135,157	0.92	8.14	0.00	0.61	0.00		14.82		
4080	4097	J Street	1.50	317.96	1.25	3,135,157	0.92	8.14	0.00	0.62	0.00		14.47		
4097	4114	J Street	1.50	231.57	1.49	3,169,687	0.93	8.22	0.00	0.62	0.00		12.94		
4114	4121	J Street	1.75	82.58	1.51	3,169,687	0.79	8.22	0.00	0.45	0.00		13.53		
4121	4131	J Street	1.75	145.94	1.51	3,169,687	0.79	8.22	0.00	0.51	0.00		13.88		
4131	4139	J Street	1.75	107.68	1.00	3,169,687	0.89	8.22	0.00	0.51	0.00		14.38		
4139	4153	J Street	1.75	220.46	1.01	3,169,687	0.89	8.22	0.00	0.51	0.00		14.15		
4153	4158	J Street	1.75	33.60	1.01	3,169,687	0.89	8.22	0.00	0.55	0.00		13.68		
4158	4172	J Street	1.75	256.85	1.00	3,169,687	0.93	8.22	0.00	0.55	0.00		13.58		
4172	4187	J Street	1.75	259.33	0.99	3,169,687	0.90	8.22	0.00	0.85	0.00		13.09	259.33	
3588	3603	J Street	0.67	221.13	1.18	267,940	0.07	0.03	0.00	0.11	0.00		6.93		
3603	3658	J Street	0.67	440.29	1.24	267,940	0.07	0.03	0.00	0.11	0.00		8.00		
3658	3692	J Street	0.67	334.34	1.34	267,940	0.06	0.03	0.00	0.11	0.00		7.47		
3692	3731	J Street	0.67	327.04	1.26	267,940	0.07	0.03	0.00	0.11	0.00		7.43		
3731	3764	J Street	0.67	325.10	1.29	267,940	0.06	0.03	0.00	0.11	0.00		7.57		
3764	3810	J Street	0.67	315.94	1.34	267,940	0.07	0.03	0.00	0.11	0.00		7.26		
3810	3842	J Street	0.83	324.89	1.16	267,940	0.06	0.03	0.00	0.08	0.00		11.01		
3842	3845	J Street	0.83	84.08	1.03	267,940	0.07	0.03	0.00	0.08	0.00		6.76		
3845	3872	J Street	0.83	403.37	1.31	267,940	0.06	0.03	0.00	0.11	0.00		6.64		
3872	3891	J Street	0.83	257.42	1.55	279,445	0.09	0.06	0.00	0.11	0.00		7.91		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3891	3919	J Street	0.83	274.03	2.69	279,445	0.07	0.06	0.00	0.10	0.00		7.43		
3919	3947	J Street	1.00	440.97	1.60	279,445	0.08	0.06	0.00	0.10	0.00		7.29		
3947	3973	J Street	1.00	429.70	1.53	279,445	0.10	0.06	0.00	0.10	0.00		6.83		
3973	3999	J Street	1.00	450.77	1.38	279,445	0.05	0.06	0.00	0.12	0.00		8.45		
3999	4021	J Street	1.00	330.00	0.54	279,445	0.12	0.06	0.00	0.12	0.00		9.09		
4021	4036	J Street	1.00	329.25	1.58	279,445	0.09	0.06	0.00	0.09	0.00		6.41		
4036	4052	J Street	1.00	240.11	2.83	279,445	0.07	0.06	0.00	0.08	0.00		7.13		
4052	4070	J Street	1.00	235.21	1.85	279,445	0.08	0.06	0.00	0.08	0.00		9.42		
4070	4074	J Street	1.00	165.40	2.21	279,445	0.07	0.06	0.00	0.17	0.00		9.78		
4074	4079	J Street	1.00	58.19	1.72	354,662	0.17	0.27	0.00	0.17	0.00		11.63		
4079	4095	J Street	1.00	317.23	2.11	354,662	0.15	0.27	0.00	0.18	0.00		11.35		
4095	4096	J Street	1.00	15.22	2.10	354,662	0.18	0.27	0.00	0.20	0.00		11.80		
4096	4113	J Street	1.00	223.82	0.89	354,662	0.20	0.27	0.00	0.20	0.00		11.80		
4113	4119	J Street	1.00	90.37	1.11	354,662	0.18	0.27	0.00	0.18	0.00		10.82		
4119	4129	J Street	1.00	140.10	1.03	354,662	0.18	0.27	0.00	0.27	0.00		10.82		
4129	4130	J Street	1.00	5.77	1.04	354,662	0.27	0.27	0.00	0.27	0.00		10.73		
4130	4134	J Street	1.00	107.68	0.62	354,662	0.21	0.27	0.00	0.21	0.00		10.79		
4134	4150	J Street	1.00	215.92	0.62	354,662	0.21	0.27	0.00	0.21	0.00		10.06		
4150	4151	J Street	1.00	4.67	4.28	354,662	0.20	0.27	0.00	0.23	0.00		8.60		
4151	4155	J Street	1.00	33.60	0.39	354,662	0.23	0.27	0.00	0.28	0.00		8.47		
4155	4171	J Street	1.00	257.27	0.38	354,662	0.28	0.27	0.00	0.28	0.00		8.12		
4171	4186	J Street	1.00	259.36	1.23	354,662	0.18	0.27	0.00	0.18	0.00		5.92		
4186	4187	J Street	1.00	3.80	172.37	354,662	0.09	0.27	0.00	1.49	0.00		5.91	3.80	3.80
4187	4189	J Street	1.75	13.31	0.90	3,524,348	1.49	8.47	0.00	0.88	0.00		11.56	13.31	
5613	5614	Naples Street	1.00	341.50	0.81	472,145	0.45	1.31	0.00	0.59	0.00		16.25		
5614	5615	Naples Street	1.00	333.92	0.31	472,145	0.59	1.31	0.00	0.62	0.00		15.21		
5615	5718	Naples Street	1.00	313.81	0.31	472,145	0.62	1.31	0.00	0.62	0.00		14.87		
5718	5719	Naples Street	1.00	267.98	0.55	472,145	0.54	1.31	0.00	0.54	0.00		12.39		
5719	4460	Naples Street	1.00	66.53	0.93	472,145	0.43	1.31	0.00	0.55	0.00		10.47		
4460	4459	Naples Street	1.00	443.85	0.55	472,145	0.55	1.31	0.00	0.55	0.00		10.37		
4459	4466	Naples Street	1.00	434.36	0.95	472,145	0.43	1.31	0.00	0.43	0.00		7.97		
4466	4475	Naples Street	1.00	191.36	0.95	472,145	0.43	1.31	0.00	0.45	0.00		7.97		
4475	4483	Naples Street	1.00	252.01	0.95	472,145	0.45	1.31	0.00	0.45	0.00		7.82		
4483	4493	Naples Street	1.00	444.13	1.34	472,145	0.39	1.31	0.00	0.39	0.00		7.71		
4493	4497	Naples Street	1.00	214.81	1.34	472,145	0.39	1.31	0.00	0.39	0.00		8.41		
4497	4501	Naples Street	1.00	220.03	1.34	472,145	0.39	1.31	0.00	0.39	0.00		7.76		
4501	4512	Naples Street	1.00	444.17	1.34	472,145	0.39	1.31	0.00	0.42	0.00		7.11		
4512	4526	Naples Street	1.00	440.25	2.45	745,411	0.42	2.06	0.00	0.49	0.00		10.58		
4526	4533	Naples Street	1.00	200.22	1.42	745,411	0.49	2.06	0.00	0.49	0.00		10.51		
4533	4542	Naples Street	1.00	246.39	1.42	745,411	0.49	2.06	0.00	0.49	0.00		10.96		
4542	4548	Naples Street	1.00	159.15	1.44	745,411	0.49	2.06	0.00	0.52	0.00		11.51		
4548	4555	Naples Street	1.00	277.90	1.44	745,411	0.52	2.06	0.00	0.52	0.00		11.48		
4555	4565	Naples Street	1.00	440.76	1.97	745,411	0.45	2.06	0.00	0.47	0.00		11.55		
4565	4578	Naples Street	1.00	440.88	1.61	745,411	0.47	2.06	0.00	0.51	0.00		14.53		
4578	4581	Naples Street	1.00	97.28	1.61	745,411	0.51	2.06	0.00	0.51	0.00		13.67		
4581	4590	Naples Street	1.00	342.85	2.53	745,411	0.42	2.06	0.00	0.53	0.00		13.58		
4590	4600	Naples Street	1.00	351.12	1.08	745,411	0.53	2.06	0.00	0.61	0.00		11.87		
4600	4604	Naples Street	1.00	89.42	0.72	745,411	0.61	2.06	0.00	0.61	0.00		11.99		
4604	4610	Naples Street	1.00	219.27	0.72	745,411	0.61	2.06	0.00	0.63	0.00		12.05		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
4610	4616	Naples Street	1.00	230.66	0.72	745,411	0.63	2.06	0.00	0.63	0.00		12.19		
4616	4626	Naples Street	1.00	410.65	0.86	745,411	0.57	2.06	0.00	0.57	0.00		12.43		
4626	4639	Naples Street	1.00	378.78	0.86	745,411	0.57	2.06	0.00	0.57	0.00		14.43		
4639	4644	Naples Street	1.00	315.77	0.86	745,411	0.57	2.06	0.00	0.57	0.00		13.03		
4644	4655	Naples Street	1.00	344.66	0.86	745,411	0.57	2.06	0.00	0.57	0.00		13.83		
4655	4662	Naples Street	1.00	345.73	0.86	745,411	0.57	2.06	0.00	0.60	0.00		14.43		
4662	4669	Naples Street	1.00	353.33	0.88	745,411	0.60	2.06	0.00	0.60	0.00		14.00		
4669	4673	Naples Street	1.25	264.22	0.79	745,411	0.52	2.06	0.00	0.54	0.00		14.88		
4673	4642	Industrial Boulevard	1.25	443.44	0.31	745,411	0.68	2.06	0.00	0.55	0.00		13.32		
4642	4607	Industrial Boulevard	1.25	443.70	0.30	745,411	0.69	2.06	0.00	0.55	0.00		16.31		
4607	4567	Industrial Boulevard	1.25	437.53	0.30	745,411	0.68	2.06	0.00	0.74	0.00		14.32		
4508	4519	Moss Street	0.67	310.70	0.39	336,775	2.75	0.93	0.00	4.13	4.07	2.09	21.23	310.70	310.70
4519	4529	Moss Street	0.67	324.82	0.41	336,775	2.20	0.92	0.00	3.29	3.74	1.53	17.48	324.82	324.82
4529	4536	Moss Street	0.67	322.72	0.40	336,775	1.68	0.92	0.00	2.52	3.95	1.01	16.34	322.72	322.72
4536	4551	Moss Street	0.67	344.99	0.41	336,775	1.10	0.92	0.00	1.65	3.69	0.43	14.70	344.99	344.99
4551	4562	Moss Street	0.83	362.06	0.44	336,775	0.56	0.92	0.00	0.68	0.00		10.15		
4562	4567	Moss Street	0.83	269.04	1.09	336,775	0.37	0.92	0.00	1.11	0.00		11.43	269.04	269.04
4567	4525	Industrial Boulevard	1.25	454.27	0.29	1,128,540	0.92	3.10	0.00	0.74	0.00		13.82		
4525	4492	Industrial Boulevard	1.25	427.21	0.31	1,128,540	0.90	3.10	0.00	0.73	0.00		11.70		
4492	4455	Industrial Boulevard	1.25	443.21	0.30	1,128,540	0.91	3.10	0.00	0.73	0.00		11.89		
4455	4409	Industrial Boulevard	1.25	443.56	0.30	1,128,540	0.91	3.10	0.00	0.75	0.00		10.69		
4409	4369	Industrial Boulevard	1.25	446.18	0.30	1,128,540	0.94	3.10	0.00	0.75	0.00		10.96		
4369	4337	Industrial Boulevard	1.25	434.42	0.36	1,128,540	0.85	3.10	0.00	0.75	0.00		9.15		
4337	4328	K Street	1.25	262.09	0.28	1,128,540	0.94	3.10	0.00	0.83	0.00		13.18		
4328	4277	Colorado Avenue	1.25	497.59	0.30	1,312,780	1.04	3.60	0.00	0.85	0.00		10.62	497.59	
4277	4243	Colorado Avenue	1.30	443.41	0.32	1,312,780	1.06	3.59	0.00	1.13	0.00		10.50	443.41	443.41
4243	4189	Colorado Avenue	1.25	372.58	0.28	1,312,780	1.47	3.58	0.00	1.18	2.49	0.22	8.70	372.58	372.58
4189	4207	J Street	2.00	281.50	0.32	4,504,697	1.54	12.02	0.00	0.77	0.00		11.63		
4207	4209	J Street	2.00	221.53	0.78	4,504,697	1.14	12.02	0.00	0.57	0.00		11.86		
4209	4233	J Street	2.00	414.75	0.91	4,504,697	1.08	12.02	0.00	0.54	0.00		5.92		
3294	3295	Bay Boulevard	1.50	306.37	0.18	33,141	0.17	0.10	0.00	0.11	0.00		5.81		
3295	3400	Bay Boulevard	1.50	310.84	0.26	33,141	0.14	0.10	0.00	0.11	0.00		4.89		
3400	3518	Bay Boulevard	1.50	344.16	0.22	33,141	0.16	0.10	0.00	0.11	0.00		6.17		
3518	3621	Bay Boulevard	1.50	328.42	0.29	33,141	0.16	0.10	0.00	0.11	0.00		6.44		
3621	3735	Bay Boulevard	1.50	329.51	0.29	33,141	0.16	0.10	0.00	0.12	0.00		5.89		
3735	3846	Bay Boulevard	1.75	330.83	0.17	33,141	0.18	0.10	0.00	0.42	0.00		5.84		
3578	3617	Between H Street & I Street	1.00	493.24	1.00	510,918	0.44	1.41	0.00	0.44	0.00		12.19		
3617	3639	Between H Street & I Street	1.00	121.91	1.03	510,918	0.43	1.41	0.00	0.44	0.00		9.98		
3639	3649	Between H Street & I Street	1.00	129.02	0.96	510,918	0.44	1.41	0.00	0.44	0.00		6.56		
3649	3676	Between H Street & I Street	1.00	259.96	1.00	510,918	0.44	1.41	0.00	0.44	0.00		6.56		
3676	3708	Between H Street & I Street	1.00	275.55	1.00	510,918	0.44	1.41	0.00	0.48	0.00		6.56		
3708	3736	Between H Street & I Street	1.00	262.60	0.98	510,918	0.48	1.41	0.00	0.48	0.00		6.52		
3736	3763	Between H Street & I Street	1.00	254.15	1.64	510,918	0.38	1.40	0.00	0.52	0.00		6.62		
3763	3818	Between H Street & I Street	1.25	389.87	0.37	510,918	0.52	1.40	0.00	0.45	0.00		6.48		
3818	3846	Between H Street & I Street	1.25	389.24	0.35	510,918	0.56	1.40	0.00	0.45	0.00		6.57		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Max Surcharge Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3846	3927	Bay Boulevard	1.75	330.47	0.06	544,059	0.73	1.49	0.00	0.42	0.00		5.34		
3927	3987	Bay Boulevard	1.75	331.07	0.12	544,059	0.64	1.49	0.00	0.36	0.00		6.13		
3987	4048	Bay Boulevard	1.75	331.46	0.18	544,059	0.56	1.49	0.00	0.44	0.00		6.60		
4048	4110	Bay Boulevard	1.75	333.27	0.05	544,059	0.77	1.49	0.00	0.44	0.00		8.48		
4110	4181	Bay Boulevard	1.75	331.70	0.06	544,059	0.73	1.49	0.00	0.42	0.00		8.69		
4181	4230	Bay Boulevard	1.75	326.05	0.16	544,059	0.62	1.48	0.00	0.36	0.00		7.49		
4230	4233	Bay Boulevard	1.00	24.84	6.04	544,059	0.29	1.48	0.00	0.97	0.00		10.71	24.84	
4474	4432	Bay Boulevard	1.00	432.31	0.30	97,352	0.26	0.29	0.00	0.26	0.00		10.16		
4432	4391	Bay Boulevard	1.00	447.94	0.30	97,352	0.26	0.29	0.00	0.26	0.00		8.96		
4391	4351	Bay Boulevard	1.00	434.79	0.30	97,352	0.26	0.29	0.00	0.26	0.00		6.80		
4351	4308	Bay Boulevard	1.00	439.89	0.30	97,352	0.26	0.29	0.00	0.28	0.00		6.10		
4308	4270	Bay Boulevard	1.00	418.02	0.22	97,352	0.28	0.29	0.00	0.28	0.00		5.40		
4270	4259	Bay Boulevard	1.00	170.70	0.22	97,352	0.28	0.29	0.00	0.32	0.00		4.32		
4259	4233	Bay Boulevard	1.00	295.92	0.22	97,352	0.32	0.29	0.00	0.32	0.00		4.66		
4233	BeginCV2	J Street	2.50	40.95	0.22	5,549,581	1.47	13.90	0.00	0.59	0.00		10.03		
BeginCV2	EndCV2	J Street	2.50	11.67	0.26	5,549,581	1.43	13.90	0.00	0.57	0.00		9.66		
EndCV2	4223	J Street	2.50	6.02	1.33	5,549,581	1.32	13.90	0.00	0.53	0.00		9.80		
4223	4219	J Street	2.50	11.67	0.26	5,549,581	1.43	13.90	0.00	0.57	0.00		9.66		
Main Street															
6279	4892	ROW	1.00	556.68	0.43	201,004	0.34	0.56	0.00	0.34	0.00		4.53		
4892	4891	ROW	1.00	234.97	0.48	201,004	0.32	0.56	0.00	0.33	0.00		12.57		
4891	4930	ROW	1.00	383.50	0.43	201,004	0.33	0.56	0.00	0.33	0.00		7.37		
4930	6304	ROW	1.00	250.68	0.49	201,004	0.33	0.56	0.00	0.33	0.00		9.48		
6304	6303	Loma Lane	0.67	243.38	1.16	201,004	0.31	0.56	0.00	0.46	0.00		15.12		
6303	6301	Loma Lane	0.67	346.39	1.17	201,004	0.30	0.56	0.00	0.63	0.00		13.27		
6301	6299	Loma Lane	0.67	28.52	0.42	201,004	0.42	0.56	0.00	0.63	0.00		3.14		
6299	6300	Orange Avenue	0.67	133.50	0.40	201,004	0.42	0.56	0.00	0.63	0.00		3.09		
6300	6309	Orange Avenue	0.67	98.25	0.41	201,004	0.42	0.56	0.00	0.63	0.00		2.85		
6309	6306	Orange Avenue	0.67	135.04	0.41	201,004	0.42	0.56	0.00	0.64	0.00		2.68		
6306	6331	Jade Court	0.67	401.01	0.40	201,004	0.42	0.56	0.00	0.64	0.00		6.45		
6331	6326	Jade Court	0.67	399.40	0.40	201,004	0.42	0.56	0.00	0.63	0.00		3.38		
6326	6327	Jade Court	0.67	300.88	0.40	201,004	0.42	0.56	0.00	0.78	0.00		12.18		
6327	6328	Jade Court	0.67	233.39	0.39	201,004	0.52	0.56	0.00	0.78	0.00		11.68		
6328	5874	Tourmaline Street	0.67	398.02	1.50	201,004	0.28	0.56	0.00	0.42	0.00		6.62		
5874	5872	Tourmaline Street	0.67	141.52	1.50	201,004	0.28	0.56	0.00	0.42	0.00		6.72		
5872	5873	Hilltop Drive	0.67	281.51	10.00	201,004	0.17	0.56	0.00	0.35	0.00		6.83		
5873	5883	Hilltop Drive	0.67	350.64	2.99	201,004	0.23	0.56	0.00	0.35	0.00		17.31		
5883	5882	Main Street	0.83	301.03	1.32	255,038	0.30	0.70	0.00	0.36	0.00		10.13		
5882	5881	Main Street	0.83	379.03	1.33	255,038	0.30	0.70	0.00	0.49	0.00		7.10		
5881	5880	Main Street	0.83	345.03	0.43	255,038	0.41	0.70	0.00	0.50	0.00		7.04		
5880	5879	Main Street	0.83	122.04	0.40	255,038	0.42	0.70	0.00	0.70	0.00		6.52		
5879	5890	Main Street	0.83	218.51	0.40	370,940	0.59	1.02	0.00	0.70	0.00		6.84		
5890	5889	Main Street	0.83	334.04	0.99	370,940	0.43	1.02	0.00	0.51	0.00		6.88		
5889	5888	Main Street	0.83	340.53	1.35	370,940	0.37	1.02	0.00	0.47	0.00		7.25		
5888	5887	Main Street	0.83	334.03	1.15	370,940	0.40	1.02	0.00	0.47	0.00		7.83		
5887	5886	Main Street	0.83	318.02	1.31	370,940	0.37	1.02	0.00	0.48	0.00		6.69		
5886	5130	Main Street	0.83	333.02	1.17	370,940	0.40	1.02	0.00	0.48	0.00		7.82		
5130	5129	Main Street	0.83	332.02	1.52	370,940	0.35	1.02	0.00	0.48	0.00		6.75		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
5129	5127	Main Street	0.83	327.04	0.97	370,940	0.40	1.02	0.00	0.66	0.00		6.74		
5127	5126	Main Street	0.83	326.03	0.36	370,940	0.55	1.02	0.00	1.06	0.00		6.76	326.03	326.03
5126	5125	Main Street	0.83	344.04	0.21	370,940	0.88	1.02	0.00	1.06	2.42	0.05	5.60	344.04	344.04
5125	5124	Main Street	0.83	314.52	0.56	370,940	0.47	1.02	0.00	1.52	0.00		6.72	314.52	314.52
4753	4795	Second Avenue	1.25	352.98	0.67	603,299	0.52	1.68	0.00	0.49	0.00		6.48		
4795	4842	Second Avenue	1.25	319.60	0.67	603,299	0.61	1.67	0.00	0.52	0.00		6.39		
4842	4849	Quintard Street	1.25	198.09	0.67	603,299	0.65	1.68	0.00	0.80	0.00		14.32		
4849	4859	Quintard Street	1.25	225.76	0.95	603,299	1.00	1.78	0.00	2.41	0.00		11.34	225.76	225.76
4859	4864	Quintard Street	1.25	117.13	0.78	603,299	3.02	1.65	0.00	3.08	6.17	1.77	8.46	117.13	117.13
4864	4866	Quintard Street	1.25	103.53	0.78	603,299	3.85	1.65	0.00	3.68	12.04	2.60	8.36	103.53	103.53
4866	4897	Private Road	0.67	284.27	0.67	603,299	4.60	1.65	0.00	6.90	15.58	3.93	8.27	284.27	284.27
4867	4894	Private Road	0.67	275.92	0.67	659,370	0.18	0.15	0.00	0.44	0.00		12.66		
4894	4897	Private Road	1.00	12.15	0.66	Note (1)	0.29	-0.40	0.00	0.00	0.00		12.91		
4897	4948	Private Road	1.00	576.78	0.67	603,299	0.46	1.26	0.00	0.49	0.00		12.82		
4948	4945	Orange Avenue	1.00	371.38	0.52	603,299	0.49	1.26	0.00	0.59	0.00		13.64		
4945	4941	Orange Avenue	1.00	370.35	0.28	603,299	0.59	1.26	0.00	0.61	0.00		7.68		
4941	4957	Third Avenue	1.00	357.77	0.26	603,299	0.61	1.26	0.00	0.64	0.00		8.48		
4957	4979	Third Avenue	1.00	350.41	0.23	603,299	0.64	1.26	0.00	0.70	0.00		9.57		
4979	4999	Third Avenue	1.00	355.77	0.22	603,299	0.70	1.26	0.00	0.70	0.00		14.11		
4999	5036	Third Avenue	1.00	394.53	0.41	603,299	0.53	1.26	0.00	0.70	0.00		15.06		
5036	5035	Tremont Street	1.00	8.52	0.35	0	0.70	1.70	0.00	0.70	0.00		8.68		
4894	4924	Private Road	1.00	298.50	0.68	659,370	0.29	0.55	0.00	0.29	0.00		12.91		
4924	4946	Private Road	1.00	265.80	0.67	659,370	0.29	0.55	0.00	0.35	0.00		13.39		
4946	4947	Private Road	1.00	15.51	0.64	659,370	0.35	0.55	0.00	0.35	0.00		11.62		
4947	4944	Orange Avenue	1.00	343.19	0.52	659,370	0.31	0.55	0.00	0.37	0.00		13.76		
4944	4939	Orange Avenue	1.00	383.45	0.27	659,370	0.37	0.55	0.00	0.48	0.00		7.50		
4939	4940	Orange Avenue	1.00	7.35	0.27	659,370	0.48	0.55	0.00	0.48	0.00		8.44		
4940	4958	Third Avenue	1.00	367.92	0.26	746,526	0.46	0.78	0.00	0.48	0.00		8.48		
4958	4980	Third Avenue	1.00	350.76	0.23	746,526	0.48	0.78	0.00	0.51	0.00		9.61		
4980	5000	Third Avenue	1.00	355.90	0.22	746,526	0.51	0.78	0.00	0.51	0.00		14.18		
5000	5035	Third Avenue	1.00	384.04	0.41	746,526	0.43	0.78	0.00	0.43	0.00		15.04		
5035	5034	Tremont Street	1.00	296.01	1.21	746,526	0.56	2.48	0.00	0.61	0.00		8.68		
5034	5039	Tremont Street	1.00	15.70	1.21	432,985	0.61	1.42	0.00	0.76	0.00		6.52		
5039	5037	Tremont Street	1.00	347.54	0.25	432,985	0.76	1.42	0.00	0.76	0.00		6.26		
5034	5032	Tremont Street	1.00	361.00	0.25	313,541	0.61	1.07	0.00	0.61	0.00		6.52		
5032	5037	Tremont Street	1.00	9.70	1.62	313,541	0.45	1.07	0.00	0.49	0.00		8.28		
5037	5053	Fresno Avenue	1.00	371.40	2.07	746,526	0.49	2.48	0.00	0.56	0.00		8.40		
5053	5088	Fresno Avenue	1.00	370.88	1.33	746,526	0.56	2.48	0.00	0.57	0.00		7.63		
5088	5092	Fresno Avenue	1.00	8.63	1.28	418,055	0.57	1.37	0.00	0.57	0.00		9.02		
5092	5123	Fresno Avenue	1.00	378.13	0.40	418,055	0.57	1.37	0.00	1.18	0.00		9.05	378.13	378.13

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
5088	5095	Fresno Avenue	1.00	11.60	0.36	328,471	0.57	1.11	0.00	0.57	0.00		9.02		
5095	5124	Fresno Avenue	1.00	378.00	0.36	328,471	0.51	1.11	0.00	1.24	0.00		9.04	378.00	378.00
5124	5123	Main Street	0.83	8.55	2.11	699,411	1.26	2.13	0.00	1.52	3.93	0.43	7.68	8.55	8.55
5123	5122	Main Street	1.26	362.51	0.31	1,117,466	1.18	3.51	0.00	0.94	0.00		6.94	362.51	
5122	5121	Main Street	1.25	350.51	0.92	1,117,466	0.67	3.59	0.00	1.91	0.00		8.56	350.51	350.51
5121	5119	Main Street	1.25	310.51	0.21	2,346,226	2.39	4.36	0.00	1.91	5.89	1.14	8.08	310.51	310.51
5119	5118	Main Street	1.25	345.01	0.28	2,346,226	1.64	4.36	0.00	1.31	3.70	0.39	7.48	345.01	345.01
5118	5117	Main Street	1.25	415.51	0.40	2,346,226	1.16	4.35	0.00	0.93	0.00		6.92	415.51	
5117	5116	Main Street	1.25	411.51	0.52	2,346,226	0.98	4.35	0.00	0.79	0.00		6.77		
5116	5115	Main Street	1.25	400.51	0.66	2,346,226	0.92	4.35	0.00	0.74	0.00		7.15		
5115	5114	Main Street	1.25	400.04	0.88	2,346,226	0.79	4.35	0.00	0.63	0.00		7.73		
5114	5113	Main Street	1.25	402.05	0.88	2,346,226	0.78	4.35	0.00	0.63	0.00		7.26		
5113	5112	Main Street	1.25	398.05	0.87	2,346,226	0.79	4.35	0.00	1.28	0.00		7.58	398.05	398.05
5112	5111	Main Street	1.25	400.07	0.60	2,346,226	1.61	4.35	0.00	1.75	1.66	0.36	6.92	400.07	400.07
5111	5110	Main Street	1.25	277.03	0.36	2,346,226	2.19	4.35	0.00	1.75	3.77	0.94	6.23	277.03	277.03
5110	5109	Main Street	1.25	109.51	0.36	2,375,354	1.93	4.44	0.00	1.55	4.31	0.68	6.76	109.51	109.51
5109	5107	Main Street	1.25	392.56	0.32	2,375,354	1.81	4.44	0.00	1.45	4.75	0.56	6.99	392.56	392.56
5107	5106	Main Street	1.25	399.54	0.72	2,375,354	0.85	4.44	0.00	0.68	0.00		7.19		
4595	4608	Oxford Street	1.00	440.65	0.42	358,512	0.46	1.00	0.00	0.46	0.00		15.59		
4608	4620	Oxford Street	1.00	440.97	0.42	358,512	0.46	1.00	0.00	0.46	0.00		10.94		
4620	4631	Oxford Street	1.00	440.61	0.42	358,512	0.46	1.00	0.00	0.46	0.00		12.04		
4631	4640	Oxford Street	1.00	344.36	0.67	449,822	0.46	1.25	0.00	0.46	0.00		8.14		
4640	4646	Oxford Street	1.00	332.82	0.66	449,822	0.46	1.25	0.00	0.57	0.00		7.94		
4646	4651	Oxford Street	1.00	111.17	0.32	449,822	0.57	1.25	0.00	0.63	0.00		7.63		
4651	4657	Oxford Street	1.00	209.71	0.33	449,822	0.63	1.25	0.00	0.63	0.00		7.58		
4657	4664	Oxford Street	1.00	326.32	0.83	449,822	0.43	1.25	0.00	0.66	0.00		7.82		
4664	4670	Oxford Street	1.00	270.98	0.25	449,822	0.66	1.25	0.00	0.66	0.00		6.20		
4670	4674	Oxford Street	1.00	372.42	0.53	449,822	0.49	1.25	0.00	0.63	0.00		8.26		
4674	4679	Oxford Street	1.00	324.74	0.53	449,822	0.63	1.25	0.00	0.63	0.00		10.08		
4679	4683	Oxford Street	1.00	351.98	4.20	449,822	0.28	1.25	0.00	0.29	0.00		2.45		
4683	4688	Oxford Street	1.00	342.82	3.64	449,822	0.29	1.25	0.00	0.49	0.00		6.72		
4688	4701	Oxford Street	1.00	325.73	0.54	449,822	0.49	1.25	0.00	0.58	0.00		8.01		
4701	4712	Oxford Street	1.00	310.47	0.59	449,822	0.58	1.25	0.00	0.58	0.00		6.29		
4712	4722	Oxford Street	1.00	314.61	2.60	449,822	0.32	1.25	0.00	0.85	0.00		5.79		
4722	4726	Oxford Street	1.00	69.26	0.27	801,075	0.85	2.20	0.00	0.85	0.00		11.43		
4726	4733	Oxford Street	1.00	400.65	0.51	801,075	0.72	2.20	0.00	0.85	0.00		11.75	400.65	
4733	4749	Oxford Street	1.00	374.44	0.45	801,075	0.85	2.20	0.00	0.85	0.00		8.17	374.44	
4749	4763	Oxford Street	1.00	321.58	0.95	801,075	0.62	2.20	0.00	0.62	0.00		8.09		
4763	4765	Oxford Street	1.00	53.60	1.32	801,075	0.52	2.20	0.00	0.89	0.00		8.93	53.60	
4765	4778	Oxford Street	1.25	407.41	0.16	801,075	0.89	2.20	0.00	0.73	0.00		8.88		
4778	4794	Oxford Street	1.25	363.32	0.15	801,075	0.91	2.20	0.00	0.73	0.00		5.20		
4794	4823	Industrial Boulevard	1.25	203.34	0.17	801,075	0.88	2.20	0.00	0.70	0.00		6.83		
4823	4828	Industrial Boulevard	1.25	35.08	0.17	400,537	0.57	1.11	0.00	0.46	0.00		9.58		
4828	4856	Industrial Boulevard	1.25	213.80	0.16	400,537	0.57	1.11	0.00	0.54	0.00		9.94		
4856	4893	Industrial Boulevard	1.25	350.19	0.17	939,181	0.67	1.49	0.00	0.55	0.00		11.99		
4893	4933	Industrial Boulevard	1.25	378.64	0.16	939,181	0.68	1.49	0.00	0.55	0.00		14.17		
4933	4950	Industrial Boulevard	1.25	334.24	0.16	939,181	0.67	1.49	0.00	0.55	0.00		14.28		

Existing Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
4950	4970	Industrial Boulevard	1.25	326.12	0.16	939,181	0.68	1.49	0.00	0.55	0.00		13.14		
4970	4987	Industrial Boulevard	1.25	329.04	0.16	939,181	0.67	1.49	0.00	0.60	0.00		15.15		
4987	5007	Industrial Boulevard	1.25	322.77	0.16	939,181	0.75	1.49	0.00	0.60	0.00		15.91		
5007	5045	Industrial Boulevard	1.00	446.39	1.05	939,181	0.44	1.49	0.00	0.55	0.00		15.61		
4823	4858	Industrial Boulevard	1.25	253.04	0.17	400,537	0.57	1.09	0.00	0.46	0.00		9.58		
4858	4895	Industrial Boulevard	1.25	350.94	0.25	400,537	0.50	1.09	0.00	0.57	0.00		12.34		
4895	4935	Industrial Boulevard	1.25	378.21	0.07	400,537	0.71	1.09	0.00	0.57	0.00		14.45		
4935	4949	Industrial Boulevard	1.25	328.81	0.16	400,537	0.57	1.09	0.00	0.53	0.00		14.35		
4949	4952	Industrial Boulevard	1.25	49.00	0.12	400,537	0.66	1.09	0.00	0.55	0.00		6.34		
4952	4972	Industrial Boulevard	1.25	280.81	0.16	1,091,032	0.68	1.51	0.00	0.55	0.00		12.71		
4972	4989	Industrial Boulevard	1.25	328.25	0.17	1,091,032	0.67	1.51	0.00	0.65	0.00		15.08		
4989	5006	Industrial Boulevard	1.25	322.09	0.11	1,091,032	0.82	1.51	0.00	0.65	0.00		15.83		
5006	5044	Industrial Boulevard	1.00	423.55	1.09	1,091,032	0.44	1.51	0.00	0.48	0.00		15.53		
5044	5045	Industrial Boulevard	1.00	26.29	1.03	1,091,032	0.48	1.51	0.00	0.55	0.00		14.70		
5045	5058	Industrial Boulevard	1.00	209.64	2.09	2,030,213	0.55	2.99	0.00	0.55	0.00		14.40		
5058	5079	Industrial Boulevard	1.00	241.76	2.16	2,030,213	0.54	2.99	0.00	0.69	0.00		6.46		
5079	5106	Industrial Boulevard	1.00	444.64	1.05	2,030,213	0.69	2.99	0.00	1.11	0.00		6.31	444.64	444.64
5106	5144	Industrial Boulevard	1.48	429.64	0.51	4,405,567	1.26	7.42	0.00	0.86	0.00		7.09	429.64	
5144	5155	Industrial Boulevard	1.50	235.26	0.47	4,405,567	1.27	7.42	0.00	0.85	0.00		7.45		

Note (1) Adverse flow through pipe section. There is capacity in parrallel line, flow diversion alternatives should be addressed.

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
Sweetwater															
1043	1156	East H Street	1.00	350.32	5.74	351,006	0.23	0.98	0.00	0.23	0.00		8.68		
1156	1283	East H Street	1.00	350.29	1.15	351,006	0.35	0.98	0.00	0.35	0.00		10.63		
1283	1393	East H Street	1.00	351.05	2.75	351,006	0.27	0.98	0.00	0.50	0.00		8.24		
1393	1384	East H Street	1.00	279.65	0.45	351,006	0.50	0.98	0.00	0.50	0.00		10.89		
1384	1345	Hampton Court	1.00	231.82	1.30	407,721	0.36	1.13	0.00	0.37	0.00		14.39		
1345	1346	Hampton Court	1.00	403.84	1.24	407,721	0.37	1.13	0.00	0.47	0.00		8.62		
1346	1350	Hampton Court	1.00	401.10	0.50	407,721	0.47	1.13	0.00	0.48	0.00		8.93		
1350	1300	ROW	1.00	422.56	0.47	407,721	0.48	1.13	0.00	0.55	0.00		8.92		
1300	1258	ROW	1.00	365.85	0.55	407,721	0.55	1.13	0.00	0.55	0.00		13.91		
1258	1245	ROW	1.00	151.37	1.98	407,721	0.32	1.13	0.00	0.59	0.00		10.01		
1245	1246	ROW	1.00	382.55	0.53	407,721	0.59	1.13	0.00	0.59	0.00		5.79		
1246	1129	Redlands Place	1.00	397.75	3.38	407,721	0.28	1.13	0.00	0.44	0.00		13.12		
1129	1105	Redlands Place	1.00	272.79	1.00	407,721	0.44	1.13	0.00	0.44	0.00		11.57		
1105	1073	Redlands Place	1.00	241.77	2.13	407,721	0.32	1.13	0.00	0.35	0.00		8.88		
1073	1010	Redlands Place	1.00	241.31	1.53	407,721	0.35	1.13	0.00	0.41	0.00		9.10		
1010	948	Redlands Place	1.00	258.24	1.00	407,721	0.41	1.13	0.00	0.41	0.00		8.76		
948	830	Redlands Place	1.00	402.70	1.30	407,721	0.36	1.13	0.00	0.36	0.00		13.56		
830	736	ROW	1.00	509.55	19.17	407,721	0.18	1.13	0.00	0.41	0.00		5.70		
736	688	ROW	1.00	332.55	1.01	454,101	0.41	1.26	0.00	0.43	0.00		12.17		
688	633	ROW	1.00	406.43	0.89	454,101	0.43	1.26	0.00	0.43	0.00		8.82		
633	580	ROW	1.00	400.62	0.90	454,101	0.42	1.26	0.00	0.61	0.00		5.95		
580	520	ROW	1.00	404.67	0.49	454,101	0.61	1.26	0.00	0.61	0.00		25.84		
520	510	ROW	1.00	112.35	1.78	454,101	0.35	1.26	0.00	0.39	0.00		17.00		
510	507	ROW	1.00	46.58	1.87	454,101	0.39	1.26	0.00	0.39	0.00		8.76		
507	486	ROW	1.00	163.85	4.99	454,101	0.27	1.26	0.00	0.40	0.00		4.85		
486	475	ROW	1.00	65.52	1.07	454,101	0.40	1.26	0.00	0.56	0.00		6.60		
475	474	Country Vista Lane	1.00	108.27	0.52	560,131	0.56	1.54	0.00	0.62	0.00		6.44		
474	467	Country Vista Lane	1.00	317.07	0.50	560,131	0.62	1.54	0.00	0.62	0.00		9.14		
467	464	Country Vista Lane	1.00	195.32	0.89	560,131	0.49	1.54	0.00	0.49	0.00		15.02		
464	463	Country Vista Lane	1.00	91.00	1.07	560,131	0.45	1.54	0.00	0.51	0.00		13.87		
463	409	Country Vista Lane	1.00	373.73	1.06	560,131	0.51	1.54	0.00	0.51	0.00		11.27		
409	437	Sandy Creek Drive	1.00	221.36	1.99	560,131	0.38	1.54	0.00	0.39	0.00		21.52		
437	430	Sandy Creek Drive	1.00	63.82	1.96	560,131	0.39	1.54	0.00	0.39	0.00		17.42		
430	445	Acacia Avenue	1.00	120.09	2.31	560,131	0.37	1.54	0.00	0.37	0.00		17.58		
445	455	Acacia Avenue	1.00	114.12	12.65	560,131	0.24	1.54	0.00	0.24	0.00		22.69		
455	435	Acacia Avenue	1.00	332.75	2.15	560,131	0.37	1.54	0.00	0.39	0.00		7.86		
435	411	Acacia Avenue	1.00	351.27	2.59	560,131	0.39	1.54	0.00	0.39	0.00		7.26		
411	383	Acacia Avenue	1.00	351.02	3.99	560,131	0.32	1.54	0.00	0.43	0.00		8.18		
383	363	Acacia Avenue	1.00	373.47	2.01	560,131	0.43	1.54	0.00	0.43	0.00		8.37		
363	349	Acacia Avenue	1.00	334.33	3.73	560,131	0.32	1.54	0.00	0.46	0.00		8.68		
349	347	Acacia Avenue	1.00	55.08	0.98	560,131	0.46	1.54	0.00	0.46	0.00		12.81		
347	329	Acacia Avenue	1.00	398.92	1.02	560,131	0.46	1.54	0.00	0.48	0.00		12.96		
329	317	Acacia Avenue	1.00	420.70	1.01	560,131	0.48	1.54	0.00	0.48	0.00		10.38		
317	285	Acacia Avenue	1.00	404.54	1.87	560,131	0.44	1.54	0.00	0.44	0.00		6.32		
285	249	Acacia Avenue	1.00	382.24	3.61	560,131	0.32	1.54	0.00	0.40	0.00		6.50		
249	222	Acacia Avenue	1.00	364.73	2.90	560,131	0.40	1.54	0.00	0.40	0.00		7.46		
222	191	Acacia Avenue	1.00	263.74	6.53	560,131	0.28	1.54	0.00	0.31	0.00		6.64		
191	157	Acacia Avenue	1.00	352.62	4.32	560,131	0.31	1.54	0.00	0.36	0.00		6.52		
157	111	Acacia Avenue	1.00	355.88	2.64	560,131	0.36	1.54	0.00	0.36	0.00		7.42		
111	105	Acacia Avenue	1.00	110.87	3.04	560,131	0.34	1.54	0.00	0.34	0.00		6.74		

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
105	91	Acacia Avenue	1.00	247.45	3.04	560,131	0.34	1.54	0.00	0.41	0.00		8.25		
91	64	Acacia Avenue	1.00	347.91	1.51	560,131	0.41	1.54	0.00	0.41	0.00		11.56		
64	49	Acacia Avenue	1.00	350.37	1.50	560,131	0.41	1.54	0.00	0.44	0.00		11.11		
49	41	Acacia Avenue	1.00	287.28	1.21	560,131	0.44	1.54	0.00	0.44	0.00		10.36		
41	38	Acacia Avenue	1.00	62.85	1.21	560,131	0.44	1.54	0.00	0.53	0.00		10.93		
869	7302	Otay Lakes Road	0.67	224.70	3.06	97,188	0.16	0.27	0.00	0.24	0.00		3.44		
7302	7303	Otay Lakes Road	0.67	399.29	3.11	97,188	0.16	0.27	0.00	0.24	0.00		5.31		
7303	791	Otay Lakes Road	0.67	103.18	2.90	97,188	0.16	0.27	0.00	0.30	0.00		4.71		
791	740	Otay Lakes Road	0.67	248.05	2.99	145,440	0.20	0.40	0.00	0.31	0.00		3.66		
740	709	Otay Lakes Road	0.67	273.69	2.59	145,440	0.21	0.40	0.00	0.31	0.00		6.06		
709	693	Otay Lakes Road	0.67	126.02	2.62	145,440	0.21	0.40	0.00	0.33	0.00		5.16		
693	628	Otay Lakes Road	0.67	401.22	2.09	145,440	0.22	0.40	0.00	0.36	0.00		5.45		
628	618	Otay Lakes Road	0.67	399.33	1.50	145,440	0.24	0.40	0.00	0.40	0.00		4.83		
618	615	Otay Lakes Road	0.67	345.35	1.49	145,440	0.27	0.40	0.00	0.40	0.00		5.80		
615	603	Otay Lakes Road	0.67	398.38	2.81	145,440	0.20	0.40	0.00	0.30	0.00		6.03		
603	595	Otay Lakes Road	0.67	401.19	3.19	145,440	0.20	0.40	0.00	0.30	0.00		6.23		
595	568	Otay Lakes Road	0.67	399.25	4.57	145,440	0.19	0.40	0.00	0.28	0.00		6.04		
568	482	Otay Lakes Road	0.67	401.98	6.27	145,440	0.16	0.40	0.00	0.27	0.00		6.32		
482	422	Otay Lakes Road	0.67	398.36	4.52	145,440	0.18	0.40	0.00	0.29	0.00		8.50		
422	364	Otay Lakes Road	0.67	400.88	3.82	145,440	0.19	0.40	0.00	0.29	0.00		6.49		
364	324	Otay Lakes Road	0.67	403.23	4.22	145,440	0.18	0.40	0.00	0.58	0.00		6.80		
324	278	Otay Lakes Road	0.67	375.13	1.20	220,868	0.39	0.61	0.00	0.58	0.00		12.61		
278	225	Otay Lakes Road	0.67	394.96	3.80	220,868	0.23	0.61	0.00	0.42	0.00		6.28		
225	207	Otay Lakes Road	0.67	172.09	2.70	261,093	0.28	0.72	0.00	0.42	0.00		5.25		
207	193	Otay Lakes Road	0.67	100.21	2.69	261,093	0.28	0.72	0.00	0.42	0.00		4.89		
193	175	Otay Lakes Road	0.67	126.50	2.74	261,093	0.28	0.72	0.00	0.42	0.00		4.59		
175	160	Otay Lakes Road	0.67	169.63	2.71	261,093	0.28	0.72	0.00	0.42	0.00		6.05		
160	146	Otay Lakes Road	0.67	61.89	2.62	261,093	0.28	0.72	0.00	0.42	0.00		6.64		
146	140	Otay Lakes Road	0.67	56.44	17.74	261,093	0.17	0.72	0.00	0.25	0.00		7.37		
2042	2006	Rice Canyon	0.83	316.96	2.55	308,621	0.28	0.85	0.00	0.34	0.00		14.17		
2006	2005	Rice Canyon	0.83	238.00	6.93	308,621	0.22	0.85	0.00	0.26	0.00		5.27		
2005	1989	*Rice Canyon*	*0.83*	*396.13*	*0.99*	*308,621*	*0.36*	*0.85*	*0.00*	*0.43*	*0.00*		*5.03*		
1989	1977	Rice Canyon	0.83	397.44	2.03	308,621	0.30	0.85	0.00	0.36	0.00		4.71		
1977	1976	Rice Canyon	0.83	292.91	0.98	308,621	0.36	0.85	0.00	0.44	0.00		4.72		
1976	1984	Rice Canyon	0.83	400.28	2.48	308,621	0.28	0.85	0.00	0.34	0.00		5.78		
1984	2017	Rice Canyon	0.83	382.65	1.49	347,951	0.35	0.96	0.00	0.41	0.00		7.55		
2017	2020	Rice Canyon	1.00	248.38	1.05	347,951	0.35	0.96	0.00	0.35	0.00		3.59		
2020	2051	Rice Canyon	1.00	244.81	1.09	347,951	0.35	0.96	0.00	0.35	0.00		4.20		
2051	2077	Rice Canyon	1.00	178.90	5.20	347,951	0.23	0.96	0.00	0.35	0.00		12.39		
2077	2085	Rice Canyon	1.00	242.25	0.39	347,951	0.49	0.96	0.00	0.49	0.00		5.78		
2085	2129	Rice Canyon	1.00	283.72	2.09	347,951	0.29	0.96	0.00	0.29	0.00		8.33		
2129	2159	Rice Canyon	1.00	393.92	1.51	347,951	0.32	0.96	0.00	0.32	0.00		3.48		
2159	2165	Rice Canyon	1.00	113.75	4.25	347,951	0.24	0.96	0.00	0.42	0.00		5.52		
2165	2171	Rice Canyon	1.00	400.28	0.42	447,064	0.52	1.23	0.00	0.67	0.00		8.57		
2171	2115	Rice Canyon	1.00	337.55	0.42	447,064	0.67	1.23	0.00	0.67	0.00		6.70		
2115	2114	Rice Canyon	1.00	248.06	4.03	447,064	0.28	1.23	0.00	0.31	0.00		6.72		
2114	2121	Rice Canyon	1.00	399.27	2.85	447,064	0.31	1.23	0.00	0.53	0.00		4.29		
2121	2145	Rice Canyon	1.00	103.33	0.47	447,064	0.53	1.23	0.00	0.53	0.00		6.64		
2145	2146	Rice Canyon	1.00	201.73	0.82	447,064	0.43	1.23	0.00	0.44	0.00		4.43		

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
2146	2157	Rice Canyon	1.00	380.08	1.21	447,064	0.44	1.23	0.00	0.44	0.00		0.98		
2157	2190	Rice Canyon	1.00	399.50	2.52	447,064	0.32	1.23	0.00	0.34	0.00		5.71		
2190	2208	Rice Canyon	1.00	251.21	1.83	447,064	0.34	1.23	0.00	0.35	0.00		15.76		
2208	2238	Rice Canyon	1.00	188.99	1.83	447,064	0.35	1.23	0.00	0.35	0.00		9.44		
2238	2262	Rice Canyon	1.00	181.21	1.83	447,064	0.34	1.23	0.00	0.37	0.00		4.20		
2262	2291	Rice Canyon	1.00	191.08	1.83	522,323	0.37	1.44	0.00	0.39	0.00		9.69		
2291	7420	Rice Canyon	1.00	106.79	1.64	522,323	0.39	1.44	0.00	0.39	0.00		5.66		
7420	2391	Rice Canyon	1.00	339.48	1.17	522,323	0.42	1.44	0.00	0.42	0.00		15.18		
2391	2475	Rice Canyon	1.00	341.52	2.75	522,323	0.34	1.44	0.00	0.36	0.00		6.76		
2475	2506	Rice Canyon	1.00	228.02	1.29	522,323	0.41	1.44	0.00	0.41	0.00		8.24		
2506	2537	Rice Canyon	1.00	160.46	3.48	522,323	0.32	1.44	0.00	0.43	0.00		13.89		
2537	2576	Rice Canyon	1.00	212.85	1.07	522,323	0.43	1.44	0.00	0.45	0.00		15.57		
2576	2618	Rice Canyon	1.00	278.44	0.98	522,323	0.45	1.44	0.00	0.45	0.00		18.83		
2618	2636	Rice Canyon	1.00	125.53	11.90	522,323	0.23	1.44	0.00	0.58	0.00		10.77		
7609	7604	Camino Del Sol	0.67	92.74	1.13	187,534	0.30	0.52	0.00	0.44	0.00		8.31		
7604	7603	Camino Del Sol	0.67	145.54	1.13	187,534	0.30	0.52	0.00	0.54	0.00		9.95		
7603	7608	Camino Del Sol	0.67	332.81	1.23	187,534	0.36	0.52	0.00	0.54	0.00		9.62		
7608	7602	Camino Del Sol	0.67	132.47	5.17	187,534	0.20	0.52	0.00	0.38	0.00		14.65		
7602	7601	Camino Del Sol	0.67	391.89	2.04	187,534	0.25	0.52	0.00	0.43	0.00		10.93		
7601	7600	Camino Del Sol	0.67	341.65	1.31	187,534	0.29	0.52	0.00	0.43	0.00		6.50		
7600	7588	Camino Del Sol	0.67	336.25	1.38	187,534	0.28	0.52	0.00	0.42	0.00		6.03		
7588	7587	Camino Del Sol	0.67	393.97	1.38	187,534	0.28	0.52	0.00	0.42	0.00		5.88		
7587	7586	Camino Del Sol	0.67	66.25	1.40	187,534	0.28	0.52	0.00	0.42	0.00		8.76		
7586	7577	Camino Del Sol	0.67	72.32	1.41	187,534	0.28	0.52	0.00	0.42	0.00		8.10		
7577	7576	Camino Del Sol	0.67	172.52	1.40	187,534	0.28	0.52	0.00	0.42	0.00		7.26		
7576	7585	Camino Del Sol	0.67	143.99	1.50	187,534	0.28	0.52	0.00	0.41	0.00		12.96		
7585	7582	Camino Del Sol	0.67	98.28	1.56	187,534	0.27	0.52	0.00	0.41	0.00		9.51		
7582	7581	Camino Del Sol	0.67	252.52	1.49	187,534	0.27	0.52	0.00	0.41	0.00		7.36		
7581	7572	Camino Del Sol	0.67	346.76	1.49	187,534	0.27	0.52	0.00	0.41	0.00		4.56		
7572	7578	Camino Del Sol	0.67	91.30	1.49	187,534	0.27	0.52	0.00	0.42	0.00		7.13		
7578	7579	Camino Del Sol	0.67	171.60	1.49	187,534	0.28	0.52	0.00	0.42	0.00		6.60		
7579	2874	East H Street	0.67	114.64	1.61	187,534	0.27	0.52	0.00	0.47	0.00		5.79		
2874	2867	East H Street	0.67	402.11	3.79	301,062	0.31	0.83	0.00	0.47	0.00		6.69		
2867	2857	East H Street	1.00	403.12	4.17	301,062	0.23	0.83	0.00	0.42	0.00		7.68		
2857	2847	East H Street	1.00	279.68	1.01	301,062	0.42	0.83	0.00	0.42	0.00		8.23		
2847	2829	East H Street	1.00	194.85	8.45	301,062	0.19	0.83	0.00	0.22	0.00		11.17		
2829	2794	East H Street	1.00	325.60	5.00	301,062	0.22	0.83	0.00	0.22	0.00		8.38		
2794	2736	East H Street	1.00	398.59	5.67	301,062	0.21	0.83	0.00	0.23	0.00		7.93		
2736	2678	East H Street	1.00	394.00	3.94	301,062	0.23	0.83	0.00	0.31	0.00		8.39		
2678	2644	East H Street	1.00	341.13	3.34	384,645	0.31	1.06	0.00	0.31	0.00		8.25		
2644	2636	East H Street	1.00	365.97	6.70	384,645	0.23	1.06	0.00	0.58	0.00		9.10		
2636	2637	East H Street	1.00	107.00	1.21	906,968	0.58	2.49	0.00	0.62	0.00		20.11		
2637	2639	East H Street	1.00	402.02	1.19	964,410	0.62	2.65	0.00	0.62	0.00		17.79		
2639	2640	East H Street	1.00	200.16	1.33	964,410	0.59	2.65	0.00	0.59	0.00		15.44		
2640	2630	East H Street	1.00	225.18	1.38	964,410	0.58	2.65	0.00	0.60	0.00		16.12		
2630	2615	East H Street	1.00	399.21	1.30	964,410	0.60	2.65	0.00	0.60	0.00		17.20		
2615	2592	East H Street	1.00	396.35	1.36	964,410	0.58	2.65	0.00	0.73	0.00		18.42		
2592	2586	East H Street	1.25	247.18	0.40	964,410	0.73	2.65	0.00	0.59	0.00		19.67		
2586	2580	East H Street	1.25	249.57	0.40	964,410	0.74	2.65	0.00	0.59	0.00		17.65		

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
2580	2563	East H Street	1.25	194.48	0.40	964,410	0.73	2.65	0.00	0.59	0.00		16.65		
2563	2549	East H Street	1.25	307.98	0.40	964,410	0.73	2.65	0.00	0.71	0.00		15.43		
2549	2517	East H Street	1.25	326.53	0.40	1,227,609	0.89	3.36	0.00	0.71	0.00		13.50		
2517	2486	East H Street	1.25	256.35	0.50	1,227,609	0.80	3.36	0.00	0.64	0.00		11.40		
2486	2449	East H Street	1.25	211.76	0.50	1,227,609	0.80	3.36	0.00	0.64	0.00		14.18		
2449	2414	East H Street	1.25	237.62	0.50	1,227,609	0.80	3.36	0.00	0.69	0.00		17.24		
2414	2355	East H Street	1.25	326.27	0.40	1,227,609	0.86	3.36	0.00	0.75	0.00		20.75		
2355	2330	East H Street	1.25	359.67	0.40	1,371,461	0.94	3.75	0.00	0.75	0.00		21.59		
2330	2331	East H Street	1.25	358.53	0.40	1,371,461	0.94	3.75	0.00	0.75	0.00		23.03		
2331	2333	East H Street	1.25	91.08	21.94	1,371,461	0.30	3.75	0.00	0.60	0.00		21.91		
2333	2371	East H Street	1.25	294.09	1.67	1,371,461	0.74	3.75	0.00	0.60	0.00		37.65		
2371	2336	East H Street	1.25	476.32	8.19	1,371,461	0.38	3.75	0.00	0.48	0.00		42.63		
2336	2219	ROW	1.25	445.37	1.49	1,371,461	0.60	3.75	0.00	0.49	0.00		8.71		
2219	2107	ROW	1.25	411.79	1.46	1,371,461	0.61	3.75	0.00	0.49	0.00		6.74		
2107	1967	ROW	1.25	404.99	1.48	1,371,461	0.61	3.75	0.00	0.49	0.00		8.34		
1967	1806	ROW	1.25	353.37	1.70	1,371,461	0.61	3.75	0.00	0.48	0.00		7.34		
1806	7661	ROW	1.50	408.37	1.47	1,371,461	0.56	3.75	0.00	0.56	0.00		9.39		
7661	1490	ROW	1.50	335.72	0.54	1,371,461	0.84	3.75	0.00	0.56	0.00		9.61		
1490	7647	ROW	1.50	294.32	1.44	1,371,461	0.56	3.75	0.00	0.46	0.00		10.19		
7647	7892	Plaza Bonita Road	1.50	23.59	1.27	1,371,461	0.68	3.75	0.00	0.62	0.00		9.82		
7892	7643	Plaza Bonita Road	1.50	281.46	0.30	1,371,461	0.93	3.75	0.00	0.62	0.00		10.12		
7643	1211	Plaza Bonita Road	1.50	339.52	0.50	1,371,461	0.76	3.75	0.00	0.50	0.00		11.51		
1211	1165	Plaza Bonita Road	1.50	400.44	0.50	1,371,461	0.75	3.75	0.00	0.52	0.00		16.35		
1165	1102	Plaza Bonita Road	1.50	397.62	0.50	1,371,461	0.78	3.75	0.00	0.52	0.00		9.68		
1102	1074	Plaza Bonita Road	1.50	226.00	0.67	1,371,461	0.71	3.95	0.00	0.55	0.00		9.74		
1074	1054	Plaza Bonita Road	1.67	85.42	0.43	1,477,657	0.82	4.23	0.00	0.61	0.00		9.11		
1054	963	Plaza Bonita Road	1.67	351.69	0.20	1,477,657	1.05	4.23	0.00	0.63	0.00		8.21		
963	923	Plaza Bonita Road	1.67	142.12	0.42	1,477,657	0.82	4.23	0.00	0.49	0.00		8.35		
1080	1110	C Street	1.00	299.28	0.23	470,199	0.65	1.29	0.00	0.66	0.00		6.35		
1110	1119	C Street	1.00	134.50	0.23	470,199	0.66	1.29	0.00	0.70	0.00		6.34		
1119	1116	Fifth Avenue	1.00	9.72	0.21	470,199	0.70	1.29	0.00	0.70	0.00		6.30		
1116	1001	Fifth Avenue	1.00	322.06	0.23	470,199	0.65	1.29	0.00	0.65	0.00		16.37		
1001	914	*Fifth Avenue*	*1.00*	*304.63*	*0.23*	*470,199*	*0.65*	*1.29*	*0.00*	*0.65*	*0.00*		*5.61*		
914	883	Fifth Avenue	1.00	106.10	0.24	470,199	0.64	1.29	0.00	0.65	0.00		9.32		
883	836	Fifth Avenue	1.00	154.96	0.23	470,199	0.65	1.29	0.00	0.65	0.00		12.06		
836	848	Fifth Avenue	1.00	55.36	0.23	470,199	0.60	1.29	0.00	0.60	0.00		9.96		
G Street															
5359	5362	G Street	1.00	72.19	2.44	235,628	0.32	0.65	0.00	0.36	0.00		12.66		
5362	5371	G Street	1.00	374.07	0.53	235,628	0.36	0.65	0.00	0.36	0.00		13.89		
5371	5381	G Street	1.00	375.37	0.68	235,628	0.32	0.65	0.00	0.32	0.00		15.30		
5381	5385	G Street	1.00	373.56	0.68	235,628	0.32	0.65	0.00	0.32	0.00		14.85		
5385	5388	G Street	1.00	148.46	2.18	235,628	0.24	0.65	0.00	0.40	0.00		14.51		
5291	5290	Third Avenue	1.00	169.13	2.23	224,595	0.23	0.62	0.00	0.40	0.00		9.31		
5290	5308	Third Avenue	1.00	274.90	0.28	224,595	0.40	0.62	0.00	0.41	0.00		12.12		
5308	5316	Alley	1.00	358.29	0.26	224,595	0.41	0.62	0.00	0.41	0.00		11.87		
5316	5301	Alley	1.00	192.55	0.30	224,595	0.40	0.62	0.00	0.40	0.00		15.70		
5301	5299	Alley	1.00	127.53	0.30	224,595	0.37	0.62	0.00	0.58	0.00		10.66		
5299	5300	Alley	1.00	162.94	0.32	224,595	0.58	0.62	0.00	1.04	0.00		9.98	162.94	162.94

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
5300	5298	Center Street	1.00	34.55	0.26	224,595	1.04	0.62	0.00	1.12	1.76	0.04	9.89	34.55	34.55
5298	5314	Center Street	1.00	629.88	0.02	337,611	1.12	0.92	0.00	1.12	3.35	0.12	9.90	629.88	629.88
5314	5369	Fourth Avenue	1.00	677.01	0.17	337,611	0.58	0.92	0.00	0.64	0.00		12.99		
5369	5388	Fourth Avenue	1.00	323.55	0.16	337,611	0.64	0.92	0.00	0.64	0.00		13.62		
5388	5397	G Street	1.25	451.43	1.14	573,239	0.40	1.56	0.00	0.32	0.00		16.58		
5397	5402	G Street	1.25	440.33	1.17	573,239	0.40	1.56	0.00	0.32	0.00		15.13		
5402	5405	G Street	1.25	417.09	1.20	573,239	0.40	1.56	0.00	0.41	0.00		14.28		
5405	5406	G Street	1.25	11.03	1.18	573,239	0.51	1.56	0.00	0.41	0.00		13.43		
5348	5372	Fifth Avenue	1.00	333.40	0.12	216,772	0.50	0.60	0.00	0.50	0.00		11.92		
5372	5396	Fifth Avenue	1.00	327.52	0.12	216,772	0.49	0.60	0.00	0.54	0.00		8.32		
5396	5406	Fifth Avenue	1.00	324.58	0.12	216,772	0.54	0.60	0.00	0.54	0.00		10.47		
5406	5416	G Street	1.25	438.23	1.33	790,011	0.46	2.16	0.00	0.44	0.00		13.46		
5416	5420	G Street	1.25	438.23	0.70	790,011	0.55	2.16	0.00	0.66	0.00		14.71		
5420	2970	G Street	1.25	423.91	0.42	790,011	0.82	2.16	0.00	0.66	0.00		13.52		
2210	2310	Broadway	1.00	337.33	0.16	423,822	0.69	1.18	0.00	0.69	0.00		16.82		
2310	2415	Broadway	1.00	330.97	0.16	423,822	0.69	1.17	0.00	0.69	0.00		16.66		
2415	2502	Broadway	1.00	331.27	0.16	423,822	0.69	1.17	0.00	0.76	0.00		15.79		
2502	2571	Broadway	1.00	335.66	0.16	423,822	0.76	1.17	0.00	0.76	0.00		15.65		
2571	2570	Broadway	1.00	57.40	0.16	423,822	0.61	1.17	0.00	0.61	0.00		15.03		
2570	2643	Broadway	1.25	313.85	0.09	423,822	0.71	1.17	0.00	0.60	0.00		15.52		
2643	2653	Broadway	1.25	30.28	0.07	423,822	0.75	1.17	0.00	0.60	0.00		14.41		
2653	2743	Broadway	1.25	315.21	0.07	423,822	0.74	1.17	0.00	0.60	0.00		14.30		
2743	2828	Broadway	1.25	330.92	0.08	423,822	0.73	1.17	0.00	0.59	0.00		13.08		
2828	2903	Broadway	1.25	341.24	0.08	423,822	0.74	1.17	0.00	0.62	0.00		12.33		
2903	2970	Broadway	1.25	312.59	0.08	474,781	0.78	1.31	0.00	0.62	0.00		12.01		
2970	2981	G Street	1.50	50.70	7.73	1,264,792	0.35	3.46	0.00	0.31	0.00		11.60		
2650	2770	Broadway	0.67	421.31	0.12	300,276	4.86	0.83	0.00	7.29	15.58	4.19	2.14	421.31	421.31
2770	2869	Broadway	0.67	442.47	0.13	300,276	3.50	0.83	0.00	5.25	15.15	2.83	3.50	442.47	442.47
2869	2901	Broadway	0.67	132.87	0.17	300,276	2.08	0.83	0.00	3.12	12.67	1.41	4.92	132.87	132.87
2901	2978	Broadway	0.67	332.62	0.17	300,276	1.69	0.83	0.00	2.53	12.09	1.02	5.31	332.62	332.62
2978	2980	Broadway	0.67	3.28	0.30	300,276	0.75	0.83	0.00	1.12	3.60	0.08	6.25	3.28	3.28
2980	2981	Broadway	0.67	4.00	0.25	300,276	0.62	0.83	0.00	0.94	0.00		6.38	4.00	
2981	2982	G Street	1.50	11.70	9.66	1,565,068	0.47	4.28	0.00	0.42	0.00		15.55		
5359	5361	G Street	0.83	43.13	0.28	126,877	0.32	0.36	0.00	0.39	0.00		12.66		
5361	5363	G Street	0.83	151.13	0.30	126,877	0.32	0.36	0.00	0.39	0.00		12.78		
5363	5373	G Street	0.83	487.28	0.30	126,877	0.29	0.36	0.00	0.42	0.00		13.27		
5373	5391	G Street	0.83	661.94	0.30	126,877	0.35	0.35	0.00	0.42	0.00		12.37		
5391	5395	G Street	1.00	214.84	0.64	571,644	0.32	0.65	0.00	0.32	0.00		15.67		
5395	5398	G Street	1.00	445.24	0.64	571,644	0.32	0.65	0.00	0.32	0.00		14.11		
5398	5408	G Street	1.00	659.69	0.64	571,644	0.32	0.65	0.00	0.32	0.00		10.89		
5408	5418	G Street	1.00	660.28	0.56	571,644	0.34	0.65	0.00	0.34	0.00		12.96		
5418	2976	G Street	1.00	626.19	0.55	571,644	0.34	0.65	0.00	0.44	0.00		13.80		

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3474	3426	Broadway	1.00	141.09	0.35	61,188	0.19	0.17	0.00	0.22	0.00		6.81		
3426	3283	Broadway	1.00	415.63	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
3283	3234	Broadway	1.00	125.52	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
3234	3208	Broadway	1.00	103.11	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
3208	3207	Broadway	1.00	95.27	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
3207	5512	Broadway	1.00	199.11	0.20	61,188	0.22	0.17	0.00	0.22	0.00		6.78		
5512	3097	Broadway	1.00	125.20	0.20	61,188	0.22	0.17	0.00	0.26	0.00		6.78		
3097	3057	Broadway	1.00	167.38	0.20	61,188	0.26	0.17	0.00	0.26	0.00		6.74		
3057	2976	Broadway	1.00	335.18	0.42	61,188	0.14	0.17	0.00	0.23	0.00		6.86		
2976	2975	G Street	1.00	13.84	0.29	632,832	0.44	0.82	0.00	0.44	0.00		11.60		
2975	2984	G Street	1.50	50.32	7.81	632,832	0.17	0.82	0.00	0.14	0.00		11.80		
2984	2982	G Street	1.50	14.31	7.69	632,832	0.21	0.82	0.00	0.42	0.00		15.89		
2982	NewMH12	G Street	1.50	616.96	0.56	2,197,899	0.62	4.51	0.00	0.61	0.00		16.40		
NewMH12	NewMH4	G Street	2.25	1365.09	0.50	2,197,899	0.78	5.66	0.00	0.41	0.00		16.82		
2778	2799	F Street	1.00	261.18	0.34	214,198	0.36	0.59	0.00	0.38	0.00		6.64		
2799	2838	Private Road	1.00	160.57	0.28	214,198	0.38	0.59	0.00	0.40	0.00		16.87		
2838	2837	Private Road	1.00	74.28	0.24	214,198	0.40	0.59	0.00	0.40	0.00		17.30		
2837	2913	Private Road	1.00	377.26	0.25	214,198	0.38	0.59	0.00	0.42	0.00		17.50		
2913	3001	Private Road	1.00	391.22	0.24	214,198	0.42	0.59	0.00	0.42	0.00		13.40		
3001	3094	Private Road	1.00	374.40	0.32	214,198	0.37	0.59	0.00	0.68	0.00		13.39		
3094	NewMH4	G Street	1.25	5.00	2.06	214,198	0.81	0.59	0.00	0.73	0.00		3.54		
NewMH4	NewMH3	G Street	2.25	262.09	0.50	2,412,097	0.92	6.24	0.00	0.41	0.00		12.49		
NewMH3	3119	G Street	1.50	51.11	0.84	1,278,412	0.61	3.30	0.00	0.46	0.00		12.62		
3119	3142	G Street	1.50	401.23	0.42	1,278,412	0.79	3.30	0.00	0.53	0.00		13.70		
3142	NewMH2	G Street	1.50	58.24	0.68	0	0.65	3.33	0.00	0.55	0.00		9.09		
NewMH3	N590	G Street	1.75	60.23	0.50	1,133,686	0.61	2.94	0.00	0.39	0.00		12.62		
N590	N593	G Street	1.75	389.32	0.36	1,133,686	0.78	2.94	0.00	0.44	0.00		13.40		
N593	NewMH2	G Street	1.75	61.03	1.33	1,133,686	0.47	2.94	0.00	0.47	0.00		10.04		
NewMH2	NewMH1B	G Street	2.25	256.00	0.50	1,133,686	0.82	6.27	0.00	0.39	0.00		7.20		
NewMH1B	3169	G Street	2.25	20.33	0.50	1,133,686	0.89	6.27	0.00	0.39	0.00		5.12		
3169	NewMH1A	G Street	2.25	50.21	0.25	2,539,823	1.03	6.68	0.00	0.46	0.00		5.33		
NewMH1A	BeginVault	G Street	2.00	8.00	0.22	2,539,823	1.03	6.68	0.00	0.51	0.00		5.26		
BeginVault	3170	G Street	2.00	11.66	0.26	2,539,823	0.87	6.68	0.00	0.43	0.00		5.43		
3170	3172	G Street	2.00	45.00	3.29	2,539,823	0.61	6.68	0.00	0.30	0.00		3.63		
3172	3148	G Street	2.00	92.49	7.89	2,539,823	0.44	6.68	0.00	0.46	0.00		3.80		
Telegraph															
MH34	MH35	J Street	1.75	367.00	0.37	2,666,674	1.31	8.79	0.00	0.75	0.00		4.83		
MH35	3371	J Street	1.75	378.00	0.37	2,666,674	1.31	8.79	0.00	0.75	0.00		5.19		
3371	3425	J Street	0.67	439.74	1.89	249,679	0.32	0.78	0.00	0.56	0.00		6.68		
3425	3450	J Street	0.67	203.46	1.14	249,679	0.38	0.78	0.00	0.61	0.00		6.62		
3450	3473	J Street	0.67	237.31	1.13	258,259	0.41	0.81	0.00	0.61	0.00		6.59		
3473	3519	J Street	0.67	440.73	1.57	258,259	0.35	0.81	0.00	0.52	0.00		6.65		

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Max Surcharge Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3519	3527	J Street	0.67	42.48	1.65	258,259	0.34	0.81	0.00	0.91	0.00		6.66	42.48	
3371	3362	J Street	1.75	7.81	191.32	2,524,536	0.32	8.29	0.00	0.72	0.00		6.68		
3362	3420	J Street	1.75	451.55	0.37	2,547,741	1.26	8.34	0.00	0.73	0.00		19.59		
3420	3472	J Street	1.75	447.18	0.36	2,547,741	1.28	8.34	0.00	0.73	0.00		14.22		
3472	3514	J Street	1.75	424.63	0.42	2,547,741	1.26	8.34	0.00	0.72	0.00		10.85		
3514	3527	J Street	1.50	42.94	2.47	2,547,741	0.76	8.35	0.00	0.61	0.00		6.82		
3527	3570	J Street	1.50	398.57	1.59	2,806,001	0.92	9.16	0.00	0.66	0.00		7.22		
3570	3604	J Street	1.50	441.16	1.30	2,854,938	0.99	9.29	0.00	0.67	0.00		6.48		
3604	3660	J Street	1.50	440.17	1.28	2,854,938	1.00	9.29	0.00	0.67	0.00		7.70		
3660	3698	J Street	1.50	335.37	1.28	2,854,938	1.00	9.29	0.00	0.67	0.00		7.34		
3698	3733	J Street	1.50	325.18	1.28	2,854,938	1.00	9.29	0.00	0.67	0.00		7.14		
3733	3766	J Street	1.50	325.54	1.28	2,854,938	1.01	9.29	0.00	0.67	0.00		7.30		
3766	3812	J Street	1.50	316.28	1.34	2,854,938	0.98	9.29	0.00	0.66	0.00		7.00		
3812	3819	J Street	1.50	51.98	0.88	2,854,938	1.16	9.29	0.00	0.77	0.00		6.80		
3819	3843	J Street	1.50	263.19	0.88	2,854,938	1.16	9.29	0.00	0.77	0.00		6.68		
3843	3862	J Street	1.50	344.55	1.74	2,854,938	0.91	9.29	0.00	0.60	0.00		6.42		
3862	3875	J Street	1.50	153.38	1.80	2,854,938	0.89	9.29	0.00	0.59	0.00		8.43		
3875	3888	J Street	1.50	184.41	1.79	2,854,938	0.89	9.29	0.00	0.60	0.00		9.15		
3888	3893	J Street	1.50	73.53	1.75	2,854,938	0.90	9.29	0.00	0.60	0.00		9.99		
3893	3922	J Street	1.50	273.71	1.75	2,854,938	0.90	9.29	0.00	0.66	0.00		9.37		
3922	3938	J Street	1.49	330.13	1.50	3,022,569	0.99	9.73	0.00	0.66	0.00		6.97		
3938	3961	J Street	1.50	325.45	1.52	3,022,569	0.97	9.73	0.00	0.65	0.00		5.44		
3961	3980	J Street	1.50	333.96	1.48	3,022,569	0.98	9.73	0.00	0.65	0.00		6.14		
3980	4001	J Street	1.50	330.80	1.50	3,022,569	0.98	9.73	0.00	0.68	0.00		7.09		
4001	4025	J Street	1.50	345.46	1.42	3,147,216	1.01	10.06	0.00	0.68	0.00		8.76		
4025	4038	J Street	1.50	350.44	1.40	3,147,216	1.02	10.06	0.00	0.82	0.00		8.65		
4038	4066	J Street	1.50	329.81	1.48	3,147,216	1.24	10.06	0.00	0.82	0.00		8.82		
4066	4075	J Street	1.50	276.13	4.18	3,147,216	0.72	10.06	0.00	0.71	0.00		8.48		
4075	4080	J Street	1.50	72.18	1.25	3,147,216	1.07	10.06	0.00	0.71	0.00		14.67		
4080	4097	J Street	1.50	317.96	1.25	3,147,216	1.06	10.06	0.00	0.72	0.00		14.33		
4097	4114	J Street	1.50	231.57	1.49	3,182,413	1.08	10.15	0.00	0.72	0.00		12.79		
4114	4121	J Street	1.75	82.58	1.51	3,182,413	0.90	10.15	0.00	0.51	0.00		13.42		
4121	4131	J Street	1.75	145.94	1.51	3,182,413	0.90	10.15	0.00	0.58	0.00		13.77		
4131	4139	J Street	1.75	107.68	1.00	3,182,413	1.02	10.15	0.00	0.58	0.00		14.25		
4139	4153	J Street	1.75	220.46	1.01	3,182,413	1.02	10.15	0.00	0.58	0.00		14.02		
4153	4158	J Street	1.75	33.60	1.01	3,182,413	1.01	10.15	0.00	0.58	0.00		13.56		
4158	4172	J Street	1.75	256.85	1.00	3,182,413	1.01	10.15	0.00	0.58	0.00		13.50		
4172	4187	J Street	1.75	259.33	0.99	3,182,413	1.02	10.15	0.00	1.06	0.00		12.97	259.33	259.33
3588	3603	J Street	0.67	221.13	1.18	268,925	0.07	0.03	0.00	0.11	0.00		6.93		
3603	3658	J Street	0.67	440.29	1.24	268,925	0.07	0.03	0.00	0.11	0.00		8.00		
3658	3692	J Street	0.67	334.34	1.34	268,925	0.06	0.03	0.00	0.11	0.00		7.47		
3692	3731	J Street	0.67	327.04	1.26	268,925	0.07	0.03	0.00	0.11	0.00		7.43		
3731	3764	J Street	0.67	325.10	1.29	268,925	0.06	0.03	0.00	0.11	0.00		7.57		
3764	3810	J Street	0.67	315.94	1.34	268,925	0.07	0.03	0.00	0.11	0.00		7.26		
3810	3842	J Street	0.83	324.89	1.16	268,925	0.06	0.03	0.00	0.08	0.00		11.01		
3842	3845	J Street	0.83	84.08	1.03	268,925	0.07	0.03	0.00	0.08	0.00		6.76		
3845	3872	J Street	0.83	403.37	1.31	268,925	0.06	0.03	0.00	0.12	0.00		6.64		
3872	3891	J Street	0.83	257.42	1.55	285,114	0.10	0.07	0.00	0.12	0.00		7.90		

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3891	3919	J Street	0.83	274.03	2.69	285,114	0.08	0.07	0.00	0.11	0.00		7.42		
3919	3947	J Street	1.00	440.97	1.60	285,114	0.09	0.07	0.00	0.09	0.00		7.28		
3947	3973	J Street	1.00	429.70	1.53	285,114	0.09	0.07	0.00	0.09	0.00		6.84		
3973	3999	J Street	1.00	450.77	1.38	285,114	0.09	0.07	0.00	0.13	0.00		8.41		
3999	4021	J Street	1.00	330.00	0.54	285,114	0.13	0.07	0.00	0.13	0.00		9.08		
4021	4036	J Street	1.00	329.25	1.58	285,114	0.10	0.07	0.00	0.10	0.00		6.40		
4036	4052	J Street	1.00	240.11	2.83	285,114	0.08	0.07	0.00	0.09	0.00		7.12		
4052	4070	J Street	1.00	235.21	1.85	285,114	0.09	0.07	0.00	0.09	0.00		9.41		
4070	4074	J Street	1.00	165.40	2.21	285,114	0.08	0.07	0.00	0.17	0.00		9.77		
4074	4079	J Street	1.00	58.19	1.72	360,330	0.17	0.28	0.00	0.17	0.00		11.63		
4079	4095	J Street	1.00	317.23	2.11	360,330	0.16	0.28	0.00	0.19	0.00		11.34		
4095	4096	J Street	1.00	15.22	2.10	360,330	0.19	0.28	0.00	0.20	0.00		11.79		
4096	4113	J Street	1.00	223.82	0.89	360,330	0.20	0.28	0.00	0.20	0.00		11.80		
4113	4119	J Street	1.00	90.37	1.11	360,330	0.18	0.28	0.00	0.19	0.00		10.82		
4119	4129	J Street	1.00	140.10	1.03	360,330	0.19	0.28	0.00	0.28	0.00		10.81		
4129	4130	J Street	1.00	5.77	1.04	360,330	0.28	0.28	0.00	0.28	0.00		10.72		
4130	4134	J Street	1.00	107.68	0.62	360,330	0.21	0.28	0.00	0.22	0.00		10.79		
4134	4150	J Street	1.00	215.92	0.62	360,330	0.22	0.28	0.00	0.22	0.00		10.05		
4150	4151	J Street	1.00	4.67	4.28	360,330	0.21	0.28	0.00	0.24	0.00		8.59		
4151	4155	J Street	1.00	33.60	0.39	360,330	0.24	0.28	0.00	0.28	0.00		8.46		
4155	4171	J Street	1.00	257.27	0.38	360,330	0.28	0.28	0.00	0.28	0.00		8.12		
4171	4186	J Street	1.00	259.36	1.23	360,330	0.18	0.28	0.00	0.18	0.00		5.92		
4186	4187	J Street	1.00	3.80	172.37	360,330	0.09	0.28	0.00	1.86	0.00		5.91	3.80	3.80
4187	4189	J Street	1.75	13.31	0.90	3,542,743	1.86	10.42	0.00	1.06	2.88	0.11	11.19	13.31	13.31
5613	5614	Naples Street	1.00	341.50	0.81	473,054	0.45	1.32	0.00	0.59	0.00		16.25		
5614	5615	Naples Street	1.00	333.92	0.31	473,054	0.59	1.31	0.00	0.62	0.00		15.21		
5615	5718	Naples Street	1.00	313.81	0.31	473,054	0.62	1.31	0.00	0.62	0.00		14.87		
5718	5719	Naples Street	1.00	267.98	0.55	473,054	0.55	1.31	0.00	0.55	0.00		12.38		
5719	4460	Naples Street	1.00	66.53	0.93	473,054	0.43	1.31	0.00	0.55	0.00		10.47		
4460	4459	Naples Street	1.00	443.85	0.55	473,054	0.55	1.31	0.00	0.55	0.00		10.37		
4459	4466	Naples Street	1.00	434.36	0.95	473,054	0.43	1.31	0.00	0.43	0.00		7.97		
4466	4475	Naples Street	1.00	191.36	0.95	473,054	0.43	1.31	0.00	0.46	0.00		7.97		
4475	4483	Naples Street	1.00	252.01	0.95	473,054	0.46	1.31	0.00	0.46	0.00		7.81		
4483	4493	Naples Street	1.00	444.13	1.34	473,054	0.39	1.31	0.00	0.39	0.00		7.71		
4493	4497	Naples Street	1.00	214.81	1.34	473,054	0.39	1.31	0.00	0.39	0.00		8.41		
4497	4501	Naples Street	1.00	220.03	1.34	473,054	0.39	1.31	0.00	0.39	0.00		7.76		
4501	4512	Naples Street	1.00	444.17	1.34	473,054	0.39	1.31	0.00	0.42	0.00		7.11		
4512	4526	Naples Street	1.00	440.25	2.45	746,702	0.42	2.06	0.00	0.49	0.00		10.58		
4526	4533	Naples Street	1.00	200.22	1.42	746,702	0.49	2.06	0.00	0.49	0.00		10.51		
4533	4542	Naples Street	1.00	246.39	1.42	746,702	0.49	2.06	0.00	0.49	0.00		10.96		
4542	4548	Naples Street	1.00	159.15	1.44	746,702	0.49	2.06	0.00	0.52	0.00		11.51		
4548	4555	Naples Street	1.00	277.90	1.44	746,702	0.52	2.06	0.00	0.52	0.00		11.48		
4555	4565	Naples Street	1.00	440.76	1.97	746,702	0.45	2.06	0.00	0.47	0.00		11.55		
4565	4578	Naples Street	1.00	440.88	1.61	746,702	0.47	2.06	0.00	0.51	0.00		14.53		
4578	4581	Naples Street	1.00	97.28	1.61	746,702	0.51	2.06	0.00	0.51	0.00		13.67		
4581	4590	Naples Street	1.00	342.85	2.53	746,702	0.42	2.06	0.00	0.53	0.00		13.58		
4590	4600	Naples Street	1.00	351.12	1.08	746,702	0.53	2.06	0.00	0.61	0.00		11.87		
4600	4604	Naples Street	1.00	89.42	0.72	746,702	0.61	2.06	0.00	0.61	0.00		11.99		
4604	4610	Naples Street	1.00	219.27	0.72	746,702	0.61	2.06	0.00	0.63	0.00		12.05		

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
4610	4616	Naples Street	1.00	230.66	0.72	746,702	0.63	2.06	0.00	0.63	0.00		12.19		
4616	4626	Naples Street	1.00	410.65	0.86	746,702	0.57	2.06	0.00	0.57	0.00		12.43		
4626	4639	Naples Street	1.00	378.78	0.86	746,702	0.57	2.06	0.00	0.58	0.00		14.43		
4639	4644	Naples Street	1.00	315.77	0.86	746,702	0.58	2.06	0.00	0.58	0.00		13.02		
4644	4655	Naples Street	1.00	344.66	0.86	746,702	0.57	2.06	0.00	0.57	0.00		13.83		
4655	4662	Naples Street	1.00	345.73	0.86	746,702	0.57	2.06	0.00	0.60	0.00		14.43		
4662	4669	Naples Street	1.00	353.33	0.88	746,702	0.60	2.06	0.00	0.60	0.00		14.00		
4669	4673	Naples Street	1.25	264.22	0.79	746,702	0.52	2.06	0.00	0.54	0.00		14.88		
4673	4642	Industrial Boulevard	1.25	443.44	0.31	746,702	0.68	2.06	0.00	0.55	0.00		13.32		
4642	4607	Industrial Boulevard	1.25	443.70	0.30	746,702	0.69	2.06	0.00	0.55	0.00		16.31		
4607	4567	Industrial Boulevard	1.25	437.53	0.30	746,702	0.68	2.06	0.00	0.74	0.00		14.32		
4508	4519	Moss Street	0.67	310.70	0.39	336,775	2.75	0.93	0.00	4.13	4.07	2.09	21.23	310.70	310.70
4519	4529	Moss Street	0.67	324.82	0.41	336,775	2.20	0.92	0.00	3.29	3.74	1.53	17.48	324.82	324.82
4529	4536	Moss Street	0.67	322.72	0.40	336,775	1.68	0.92	0.00	2.52	3.95	1.01	16.34	322.72	322.72
4536	4551	Moss Street	0.67	344.99	0.41	336,775	1.10	0.92	0.00	1.65	3.69	0.43	14.70	344.99	344.99
4551	4562	Moss Street	0.83	362.06	0.44	336,775	0.56	0.92	0.00	0.68	0.00		10.15		
4562	4567	Moss Street	0.83	269.04	1.09	336,775	0.37	0.92	0.00	1.11	0.00		11.43	269.04	269.04
4567	4525	Industrial Boulevard	1.25	454.27	0.29	1,130,612	0.93	3.10	0.00	0.74	0.00		13.81		
4525	4492	Industrial Boulevard	1.25	427.21	0.31	1,130,612	0.90	3.10	0.00	0.73	0.00		11.70		
4492	4455	Industrial Boulevard	1.25	443.21	0.30	1,130,612	0.91	3.10	0.00	0.73	0.00		11.89		
4455	4409	Industrial Boulevard	1.25	443.56	0.30	1,130,612	0.91	3.10	0.00	0.75	0.00		10.69		
4409	4369	Industrial Boulevard	1.25	446.18	0.30	1,130,612	0.94	3.10	0.00	0.75	0.00		10.96		
4369	4337	Industrial Boulevard	1.25	434.42	0.36	1,130,612	0.85	3.10	0.00	1.02	0.00		9.15	434.42	434.42
4337	4328	K Street	1.25	262.09	0.28	1,130,612	1.27	3.07	0.00	1.17	0.41	0.02	12.85	262.09	262.09
4328	4277	Colorado Avenue	1.25	497.59	0.30	1,319,532	1.46	3.57	0.00	1.23	1.60	0.21	10.20	497.59	497.59
4277	4243	Colorado Avenue	1.30	443.41	0.32	1,319,532	1.53	3.57	0.00	1.45	2.23	0.23	10.03	443.41	443.41
4243	4189	Colorado Avenue	1.25	372.58	0.28	1,319,532	1.88	3.57	0.00	1.51	4.49	0.63	8.29	372.58	372.58
4189	4207	J Street	2.00	281.50	0.32	4,588,707	1.85	14.24	0.00	0.93	0.00		11.32	281.50	
4207	4209	J Street	2.00	221.53	0.78	4,588,707	1.27	14.24	0.00	0.63	0.00		11.73		
4209	4233	J Street	2.00	414.75	0.91	4,588,707	1.20	14.24	0.00	0.60	0.00		5.80		
3294	3295	Bay Boulevard	1.50	306.37	0.18	37,949	0.18	0.11	0.00	0.12	0.00		5.80		
3295	3400	Bay Boulevard	1.50	310.84	0.26	37,949	0.15	0.12	0.00	0.12	0.00		4.88		
3400	3518	Bay Boulevard	1.50	344.16	0.22	37,949	0.17	0.11	0.00	0.12	0.00		6.16		
3518	3621	Bay Boulevard	1.50	328.42	0.29	37,949	0.17	0.12	0.00	0.12	0.00		6.43		
3621	3735	Bay Boulevard	1.50	329.51	0.29	37,949	0.17	0.11	0.00	0.12	0.00		5.88		
3735	3846	Bay Boulevard	1.75	330.83	0.17	37,949	0.19	0.12	0.00	0.42	0.00		5.83		
3578	3617	Between H Street & I Street	1.00	493.24	1.00	510,918	0.44	1.41	0.00	0.44	0.00		12.19		
3617	3639	Between H Street & I Street	1.00	121.91	1.03	510,918	0.43	1.41	0.00	0.44	0.00		9.98		
3639	3649	Between H Street & I Street	1.00	129.02	0.96	510,918	0.44	1.41	0.00	0.44	0.00		6.56		
3649	3676	Between H Street & I Street	1.00	259.96	1.00	510,918	0.44	1.41	0.00	0.44	0.00		6.56		
3676	3708	Between H Street & I Street	1.00	275.55	1.00	510,918	0.44	1.41	0.00	0.48	0.00		6.56		
3708	3736	Between H Street & I Street	1.00	262.60	0.98	510,918	0.48	1.41	0.00	0.48	0.00		6.52		
3736	3763	Between H Street & I Street	1.00	254.15	1.64	510,918	0.38	1.40	0.00	0.52	0.00		6.62		
3763	3818	Between H Street & I Street	1.25	389.87	0.37	510,918	0.52	1.40	0.00	0.45	0.00		6.48		
3818	3846	Between H Street & I Street	1.25	389.24	0.35	510,918	0.56	1.40	0.00	0.45	0.00		6.57		

Ultimate Conditions, Wet Weather
North-West Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
3846	3927	Bay Boulevard	1.75	330.47	0.06	548,867	0.73	1.50	0.00	0.42	0.00		5.34		
3927	3987	Bay Boulevard	1.75	331.07	0.12	548,867	0.64	1.50	0.00	0.37	0.00		6.13		
3987	4048	Bay Boulevard	1.75	331.46	0.18	548,867	0.56	1.50	0.00	0.44	0.00		6.60		
4048	4110	Bay Boulevard	1.75	333.27	0.05	548,867	0.77	1.50	0.00	0.44	0.00		8.48		
4110	4181	Bay Boulevard	1.75	331.70	0.06	548,867	0.74	1.50	0.00	0.42	0.00		8.68		
4181	4230	Bay Boulevard	1.75	326.05	0.16	548,867	0.63	1.50	0.00	0.36	0.00		7.48		
4230	4233	Bay Boulevard	1.00	24.84	6.04	548,867	0.29	1.50	0.00	1.09	0.00		10.71	24.84	24.84
4474	4432	Bay Boulevard	1.00	432.31	0.30	108,659	0.27	0.32	0.00	0.27	0.00		10.15		
4432	4391	Bay Boulevard	1.00	447.94	0.30	108,659	0.27	0.32	0.00	0.27	0.00		8.95		
4391	4351	Bay Boulevard	1.00	434.79	0.30	108,659	0.27	0.32	0.00	0.27	0.00		6.79		
4351	4308	Bay Boulevard	1.00	439.89	0.30	108,659	0.27	0.32	0.00	0.30	0.00		6.09		
4308	4270	Bay Boulevard	1.00	418.02	0.22	108,659	0.30	0.32	0.00	0.30	0.00		5.38		
4270	4259	Bay Boulevard	1.00	170.70	0.22	108,659	0.29	0.32	0.00	0.33	0.00		4.31		
4259	4233	Bay Boulevard	1.00	295.92	0.22	108,659	0.33	0.32	0.00	0.33	0.00		4.65		
4233	BeginCV2	J Street	2.50	40.95	0.22	5,657,136	1.59	16.17	0.00	0.64	0.00		9.91		
BeginCV2	EndCV2	J Street	2.50	11.67	0.26	5,657,136	1.54	16.17	0.00	0.62	0.00		9.55		
EndCV2	4223	J Street	2.50	6.02	1.33	5,657,136	1.43	16.17	0.00	0.57	0.00		9.69		
4223	4219	J Street	2.50	11.67	0.26	5,657,136	1.54	16.17	0.00	0.62	0.00		9.55		
Main Street															
6279	4892	ROW	1.00	556.68	0.43	201,004	0.34	0.56	0.00	0.34	0.00		4.53		
4892	4891	ROW	1.00	234.97	0.48	201,004	0.32	0.56	0.00	0.33	0.00		12.57		
4891	4930	ROW	1.00	383.50	0.43	201,004	0.33	0.56	0.00	0.33	0.00		7.37		
4930	6304	ROW	1.00	250.68	0.49	201,004	0.33	0.56	0.00	0.33	0.00		9.48		
6304	6303	Loma Lane	0.67	243.38	1.16	201,004	0.31	0.56	0.00	0.46	0.00		15.12		
6303	6301	Loma Lane	0.67	346.39	1.17	201,004	0.30	0.56	0.00	0.63	0.00		13.27		
6301	6299	Loma Lane	0.67	28.52	0.42	201,004	0.42	0.56	0.00	0.63	0.00		3.14		
6299	6300	Orange Avenue	0.67	133.50	0.40	201,004	0.42	0.56	0.00	0.63	0.00		3.09		
6300	6309	Orange Avenue	0.67	98.25	0.41	201,004	0.42	0.56	0.00	0.63	0.00		2.85		
6309	6306	Orange Avenue	0.67	135.04	0.41	201,004	0.42	0.56	0.00	0.63	0.00		2.68		
6306	6331	Jade Court	0.67	401.01	0.40	201,004	0.42	0.56	0.00	0.63	0.00		6.45		
6331	*6326*	*Jade Court*	*0.67*	*399.40*	*0.40*	*201,004*	*0.42*	*0.56*	*0.00*	*0.63*	*0.00*		*3.38*		
6326	6327	Jade Court	0.67	300.88	0.40	201,004	0.42	0.56	0.00	0.78	0.00		12.18		
6327	6328	Jade Court	0.67	233.39	0.39	201,004	0.52	0.56	0.00	0.78	0.00		11.68		
6328	5874	Tourmaline Street	0.67	398.02	1.50	201,004	0.28	0.56	0.00	0.42	0.00		6.62		
5874	5872	Tourmaline Street	0.67	141.52	1.50	201,004	0.28	0.56	0.00	0.42	0.00		6.72		
5872	5873	Hilltop Drive	0.67	281.51	10.00	201,004	0.17	0.56	0.00	0.35	0.00		6.83		
5873	5883	Hilltop Drive	0.67	350.64	2.99	201,004	0.23	0.56	0.00	0.35	0.00		17.31		
5883	5882	Main Street	0.83	301.03	1.32	257,873	0.30	0.71	0.00	0.36	0.00		10.13		
5882	5881	Main Street	0.83	379.03	1.33	257,873	0.30	0.71	0.00	0.50	0.00		7.10		
5881	5880	Main Street	0.83	345.03	0.43	257,873	0.41	0.71	0.00	0.51	0.00		7.04		
5880	5879	Main Street	0.83	122.04	0.40	257,873	0.42	0.71	0.00	0.72	0.00		6.52		
5879	5890	Main Street	0.83	218.51	0.40	383,525	0.60	1.05	0.00	0.72	0.00		6.83		
5890	5889	Main Street	0.83	334.04	0.99	383,525	0.44	1.05	0.00	0.52	0.00		6.87		
5889	5888	Main Street	0.83	340.53	1.35	383,525	0.37	1.05	0.00	0.48	0.00		7.25		
5888	5887	Main Street	0.83	334.03	1.15	383,525	0.40	1.05	0.00	0.48	0.00		7.83		
5887	5886	Main Street	0.83	318.02	1.31	383,525	0.38	1.05	0.00	0.49	0.00		6.68		
5886	5130	Main Street	0.83	333.02	1.17	383,525	0.41	1.05	0.00	0.49	0.00		7.81		
5130	5129	Main Street	0.83	332.02	1.52	383,525	0.36	1.05	0.00	0.49	0.00		6.74		

Ultimate Conditions, Wet Weather
North-West Model

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5129	5127	Main Street	0.83	327.04	0.97	383,525	0.41	1.05	0.00	0.69	0.00		6.73		
5127	5126	Main Street	0.83	326.03	0.36	383,525	0.57	1.05	0.00	1.09	0.00		6.74	326.03	326.03
5126	5125	Main Street	0.83	344.04	0.21	383,525	0.91	1.05	0.00	1.09	3.13	0.07	5.57	344.04	344.04
5125	5124	Main Street	0.83	314.52	0.56	383,525	0.49	1.05	0.00	1.53	0.00		6.70	314.52	314.52
4753	4795	Second Avenue	1.25	352.98	0.67	607,106	0.52	1.69	0.00	0.49	0.00		6.48		
4795	4842	Second Avenue	1.25	319.60	0.67	607,106	0.61	1.68	0.00	0.52	0.00		6.39		
4842	4849	Quintard Street	1.25	198.09	0.67	607,106	0.65	1.69	0.00	0.84	0.00		14.32		
4849	4859	Quintard Street	1.25	225.76	0.95	607,106	1.05	1.66	0.00	2.45	0.00		11.29	225.76	225.76
4859	4864	Quintard Street	1.25	117.13	0.78	607,106	3.07	1.66	0.00	3.12	6.38	1.82	8.41	117.13	117.13
4864	4866	Quintard Street	1.25	103.53	0.78	607,106	3.90	1.66	0.00	3.72	12.32	2.65	8.31	103.53	103.53
4866	4897	Private Road	0.67	284.27	0.67	607,106	4.65	1.66	0.00	6.97	15.62	3.98	8.22	284.27	284.27
4867	4894	Private Road	0.67	275.92	0.67	663,920	0.18	0.16	0.00	0.44	0.00		12.66		
4894	4897	Private Road	1.00	12.15	0.66	Note (1)	0.32	-0.49	0.00	0.00	0.00		12.88		
4897	4948	Private Road	1.00	576.78	0.67	607,106	0.46	1.26	0.00	0.49	0.00		12.82		
4948	4945	Orange Avenue	1.00	371.38	0.52	607,106	0.49	1.26	0.00	0.60	0.00		13.64		
4945	4941	Orange Avenue	1.00	370.35	0.28	607,106	0.60	1.26	0.00	0.62	0.00		7.67		
4941	4957	Third Avenue	1.00	357.77	0.26	607,106	0.62	1.26	0.00	0.64	0.00		8.47		
4957	4979	Third Avenue	1.00	350.41	0.23	607,106	0.64	1.26	0.00	0.70	0.00		9.57		
4979	4999	Third Avenue	1.00	355.77	0.22	607,106	0.70	1.26	0.00	0.70	0.00		14.11		
4999	5036	Third Avenue	1.00	394.53	0.41	607,106	0.53	1.26	0.00	0.70	0.00		15.06		
5036	5035	Tremont Street	1.00	8.52	0.35	0	0.70	1.71	0.00	0.70	0.00		8.68		
4894	4924	Private Road	1.00	298.50	0.68	663,920	0.29	0.55	0.00	0.29	0.00		12.91		
4924	4946	Private Road	1.00	265.80	0.67	663,920	0.29	0.55	0.00	0.35	0.00		13.39		
4946	4947	Private Road	1.00	15.51	0.64	663,920	0.35	0.55	0.00	0.35	0.00		11.62		
4947	4944	Orange Avenue	1.00	343.19	0.52	663,920	0.31	0.55	0.00	0.37	0.00		13.76		
4944	4939	Orange Avenue	1.00	383.45	0.27	663,920	0.37	0.55	0.00	0.48	0.00		7.50		
4939	4940	Orange Avenue	1.00	7.35	0.27	663,920	0.48	0.55	0.00	0.48	0.00		8.44		
4940	4958	Third Avenue	1.00	367.92	0.26	754,894	0.47	0.80	0.00	0.48	0.00		8.47		
4958	4980	Third Avenue	1.00	350.76	0.23	754,894	0.48	0.80	0.00	0.52	0.00		9.61		
4980	5000	Third Avenue	1.00	355.90	0.22	754,894	0.52	0.80	0.00	0.52	0.00		14.17		
5000	5035	Third Avenue	1.00	384.04	0.41	754,894	0.43	0.80	0.00	0.43	0.00		15.04		
5035	5034	Tremont Street	1.00	296.01	1.21	754,894	0.56	2.50	0.00	0.62	0.00		8.68		
5034	5039	Tremont Street	1.00	15.70	1.21	437,838	0.62	1.43	0.00	0.76	0.00		6.51		
5039	5037	Tremont Street	1.00	347.54	0.25	437,838	0.76	1.43	0.00	0.76	0.00		6.26		
5034	5032	Tremont Street	1.00	361.00	0.25	317,055	0.62	1.08	0.00	0.62	0.00		6.51		
5032	5037	Tremont Street	1.00	9.70	1.62	317,055	0.46	1.08	0.00	0.49	0.00		8.28		
5037	5053	Fresno Avenue	1.00	371.40	2.07	754,894	0.49	2.50	0.00	0.56	0.00		8.40		
5053	5088	Fresno Avenue	1.00	370.88	1.33	754,894	0.56	2.50	0.00	0.58	0.00		7.63		
5088	5092	Fresno Avenue	1.00	8.63	1.28	422,741	0.58	1.39	0.00	0.58	0.00		9.01		
5092	5123	Fresno Avenue	1.00	378.13	0.40	422,741	0.57	1.39	0.00	1.18	0.00		9.05	378.13	378.13

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5088	5095	Fresno Avenue	1.00	11.60	0.36	332,153	0.58	1.12	0.00	0.58	0.00		9.01		
5095	5124	Fresno Avenue	1.00	378.00	0.36	332,153	0.51	1.12	0.00	1.25	0.00		9.04	378.00	378.00
5124	5123	Main Street	0.83	8.55	2.11	715,678	1.28	2.17	0.00	1.53	8.15	0.44	7.66	8.55	8.55
5123	5122	Main Street	1.26	362.51	0.31	1,138,419	1.18	3.55	0.00	0.94	0.00		6.94	362.51	
5122	5121	Main Street	1.25	350.51	0.92	1,138,419	0.71	3.55	0.00	2.00	0.00		8.52	350.51	350.51
5121	5119	Main Street	1.25	310.51	0.21	2,376,603	2.50	4.41	0.00	2.00	6.47	1.25	7.97	310.51	310.51
5119	5118	Main Street	1.25	345.01	0.28	2,376,603	1.71	4.41	0.00	1.37	3.82	0.46	7.41	345.01	345.01
5118	5117	Main Street	1.25	415.51	0.40	2,376,603	1.20	4.41	0.00	0.96	0.00		6.88	415.51	
5117	5116	Main Street	1.25	411.51	0.52	2,376,603	0.99	4.42	0.00	0.80	0.00		6.76		
5116	5115	Main Street	1.25	400.51	0.66	2,376,603	0.94	4.41	0.00	0.75	0.00		7.13		
5115	5114	Main Street	1.25	400.04	0.88	2,376,603	0.79	4.43	0.00	0.68	0.00		7.73		
5114	5113	Main Street	1.25	402.05	0.88	2,376,603	0.85	4.41	0.00	0.68	0.00		7.19		
5113	5112	Main Street	1.25	398.05	0.87	2,376,603	0.79	4.51	0.00	1.43	0.00		7.58	398.05	398.05
5112	5111	Main Street	1.25	400.07	0.60	2,376,603	1.78	4.44	0.00	1.85	2.08	0.53	6.75	400.07	400.07
5111	5110	Main Street	1.25	277.03	0.36	2,376,603	2.31	4.43	0.00	1.85	4.03	1.06	6.11	277.03	277.03
5110	5109	Main Street	1.25	109.51	0.36	2,407,249	2.01	4.52	0.00	1.61	4.54	0.76	6.68	109.51	109.51
5109	5107	Main Street	1.25	392.56	0.32	2,407,249	1.87	4.52	0.00	1.49	5.00	0.62	6.93	392.56	392.56
5107	5106	Main Street	1.25	399.54	0.72	2,407,249	0.86	4.51	0.00	0.69	0.00		7.18		
4595	4608	Oxford Street	1.00	440.65	0.42	358,707	0.46	1.00	0.00	0.46	0.00		15.59		
4608	4620	Oxford Street	1.00	440.97	0.42	358,707	0.46	1.00	0.00	0.46	0.00		10.94		
4620	4631	Oxford Street	1.00	440.61	0.42	358,707	0.46	1.00	0.00	0.46	0.00		12.04		
4631	4640	Oxford Street	1.00	344.36	0.67	460,700	0.46	1.28	0.00	0.46	0.00		8.14		
4640	4646	Oxford Street	1.00	332.82	0.66	460,700	0.46	1.28	0.00	0.58	0.00		7.94		
4646	4651	Oxford Street	1.00	111.17	0.32	460,700	0.58	1.28	0.00	0.63	0.00		7.62		
4651	4657	Oxford Street	1.00	209.71	0.33	460,700	0.63	1.28	0.00	0.63	0.00		7.58		
4657	4664	Oxford Street	1.00	326.32	0.83	460,700	0.44	1.28	0.00	0.67	0.00		7.81		
4664	4670	Oxford Street	1.00	270.98	0.25	460,700	0.67	1.28	0.00	0.67	0.00		6.19		
4670	4674	Oxford Street	1.00	372.42	0.53	460,700	0.50	1.28	0.00	0.64	0.00		8.25		
4674	4679	Oxford Street	1.00	324.74	0.53	460,700	0.64	1.28	0.00	0.64	0.00		10.07		
4679	4683	Oxford Street	1.00	351.98	4.20	460,700	0.28	1.28	0.00	0.29	0.00		2.45		
4683	4688	Oxford Street	1.00	342.82	3.64	460,700	0.29	1.28	0.00	0.49	0.00		6.72		
4688	4701	Oxford Street	1.00	325.73	0.54	460,700	0.49	1.28	0.00	0.58	0.00		8.01		
4701	4712	Oxford Street	1.00	310.47	0.59	460,700	0.58	1.28	0.00	0.58	0.00		6.29		
4712	4722	Oxford Street	1.00	314.61	2.60	460,700	0.32	1.28	0.00	0.87	0.00		5.79	314.61	
4722	4726	Oxford Street	1.00	69.26	0.27	819,752	0.87	2.25	0.00	0.87	0.00		11.41	69.26	
4726	4733	Oxford Street	1.00	400.65	0.51	819,752	0.73	2.25	0.00	0.87	0.00		11.74	400.65	
4733	4749	Oxford Street	1.00	374.44	0.45	819,752	0.87	2.25	0.00	0.87	0.00		8.15	374.44	
4749	4763	Oxford Street	1.00	321.58	0.95	819,752	0.63	2.25	0.00	0.63	0.00		8.08		
4763	4765	Oxford Street	1.00	53.60	1.32	819,752	0.53	2.25	0.00	0.91	0.00		8.92	53.60	
4765	4778	Oxford Street	1.25	407.41	0.16	819,752	0.91	2.25	0.00	0.74	0.00		8.86		
4778	4794	Oxford Street	1.25	363.32	0.15	819,752	0.92	2.25	0.00	0.74	0.00		5.19		
4794	4823	Industrial Boulevard	1.25	203.34	0.17	819,752	0.89	2.25	0.00	0.71	0.00		6.82		
4823	4828	Industrial Boulevard	1.25	35.08	0.17	409,876	0.58	1.14	0.00	0.47	0.00		9.57		
4828	4856	Industrial Boulevard	1.25	213.80	0.16	409,876	0.58	1.14	0.00	0.54	0.00		9.93		
4856	4893	Industrial Boulevard	1.25	350.19	0.17	957,858	0.68	1.51	0.00	0.55	0.00		11.98		
4893	4933	Industrial Boulevard	1.25	378.64	0.16	957,858	0.69	1.51	0.00	0.55	0.00		14.16		
4933	4950	Industrial Boulevard	1.25	334.24	0.16	957,858	0.68	1.51	0.00	0.55	0.00		14.27		

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4950	4970	Industrial Boulevard	1.25	326.12	0.16	957,858	0.69	1.51	0.00	0.55	0.00		13.13		
4970	4987	Industrial Boulevard	1.25	329.04	0.16	957,858	0.68	1.51	0.00	0.61	0.00		15.14		
4987	5007	Industrial Boulevard	1.25	322.77	0.16	957,858	0.76	1.51	0.00	0.61	0.00		15.90		
5007	5045	Industrial Boulevard	1.00	446.39	1.05	957,858	0.45	1.51	0.00	0.56	0.00		15.60		
4823	4858	Industrial Boulevard	1.25	253.04	0.17	409,876	0.58	1.12	0.00	0.47	0.00		9.57		
4858	4895	Industrial Boulevard	1.25	350.94	0.25	409,876	0.51	1.12	0.00	0.58	0.00		12.33		
4895	4935	Industrial Boulevard	1.25	378.21	0.07	409,876	0.72	1.12	0.00	0.58	0.00		14.44		
4935	4949	Industrial Boulevard	1.25	328.81	0.16	409,876	0.57	1.12	0.00	0.54	0.00		14.35		
4949	4952	Industrial Boulevard	1.25	49.00	0.12	409,876	0.67	1.11	0.00	0.55	0.00		6.33		
4952	4972	Industrial Boulevard	1.25	280.81	0.16	1,114,700	0.69	1.55	0.00	0.55	0.00		12.70		
4972	4989	Industrial Boulevard	1.25	328.25	0.17	1,114,700	0.68	1.55	0.00	0.66	0.00		15.07		
4989	5006	Industrial Boulevard	1.25	322.09	0.11	1,114,700	0.83	1.55	0.00	0.66	0.00		15.82		
5006	5044	Industrial Boulevard	1.00	423.55	1.09	1,114,700	0.45	1.55	0.00	0.49	0.00		15.52		
5044	5045	Industrial Boulevard	1.00	26.29	1.03	1,114,700	0.49	1.55	0.00	0.56	0.00		14.69		
5045	5058	Industrial Boulevard	1.00	209.64	2.09	2,072,559	0.56	3.06	0.00	0.56	0.00		14.39		
5058	5079	Industrial Boulevard	1.00	241.76	2.16	2,072,559	0.55	3.06	0.00	0.70	0.00		6.45		
5079	5106	Industrial Boulevard	1.00	444.64	1.05	2,072,559	0.70	3.06	0.00	1.14	0.00		6.30	444.64	444.64
5106	5144	Industrial Boulevard	1.48	429.64	0.51	4,479,808	1.29	7.55	0.00	0.88	0.00		7.06	429.64	
5144	5155	Industrial Boulevard	1.50	235.26	0.47	4,479,808	1.31	7.55	0.00	0.87	0.00		7.41	235.26	

Note (1) Adverse flow through pipe section. There is capacity in parrallel line, flow diversion alternatives should be addressed.

Ultimate Conditions, Wet Weather
Telegraph Canyon East Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
Telegraph															
120	119	Otay Lakes Road	1.00	384.00	2.20	33,300	0.10	0.09	0.00	0.10	0.00		7.71		
119	118	Otay Lakes Road	1.00	206.00	3.20	33,300	0.08	0.09	0.00	0.10	0.00		8.17		
118	117	Otay Lakes Road	1.00	470.00	2.70	33,300	0.10	0.09	0.00	0.10	0.00		7.75		
117	116	Otay Lakes Road	1.00	354.00	7.00	33,300	0.07	0.09	0.00	0.30	0.00		7.47		
116	115	Otay Lakes Road	1.25	389.00	2.60	485,532	0.30	1.35	0.00	0.24	0.00		7.01		
115	114	Otay Lakes Road	1.25	399.00	2.60	485,532	0.30	1.35	0.00	0.42	0.00		7.13		
114	113	Otay Lakes Road	1.25	403.00	1.00	621,188	0.52	1.72	0.00	0.42	0.00		7.28		
113	112	Otay Lakes Road	1.25	401.00	3.10	621,188	0.33	1.72	0.00	0.31	0.00		7.51		
112	111	Otay Lakes Road	1.25	397.00	2.30	621,188	0.38	1.72	0.00	0.31	0.00		8.88		
111	110	Otay Lakes Road	1.25	388.00	3.39	621,188	0.32	1.72	0.00	0.33	0.00		9.08		
110	109	Otay Lakes Road	1.25	396.48	1.31	621,188	0.41	1.72	0.00	0.36	0.00		14.59		
109	108	Otay Lakes Road	1.25	383.16	0.95	621,188	0.45	1.72	0.00	0.45	0.00		14.35		
108	400	Otay Lakes Road	1.25	210.90	1.10	621,188	0.56	1.72	0.00	0.45	0.00		13.60		
400	107	Otay Lakes Road	1.25	60.00	10.77	621,188	0.24	1.72	0.00	0.36	0.00		16.24		
107	106	Otay Lakes Road	1.33	185.05	1.02	700,238	0.46	1.94	0.00	0.34	0.00		19.64		
106	105	Otay Lakes Road	1.33	585.00	1.00	700,238	0.46	1.94	0.00	0.37	0.00		18.14		
105	104	Otay Lakes Road	1.33	433.00	1.07	700,238	0.49	1.94	0.00	0.37	0.00		7.14		
104	103	Otay Lakes Road	1.33	398.00	1.69	700,238	0.40	1.94	0.00	0.41	0.00		7.86		
103	102	Otay Lakes Road	1.33	220.00	0.50	700,238	0.55	1.94	0.00	0.45	0.00		8.44		
102	101	Otay Lakes Road	1.33	87.00	0.50	773,288	0.60	2.14	0.00	0.45	0.00		8.49		
101	100	Otay Lakes Road	1.25	396.00	1.23	773,288	0.48	2.14	0.00	0.38	0.00		8.04		
100	99	Otay Lakes Road	1.25	405.00	1.40	773,288	0.45	2.14	0.00	0.36	0.00		7.94		
99	98	Otay Lakes Road	1.25	306.00	1.74	853,388	0.45	2.36	0.00	0.40	0.00		7.61		
98	97	Otay Lakes Road	1.25	984.00	1.20	853,388	0.50	2.36	0.00	0.43	0.00		7.89		
97	96	Otay Lakes Road	1.25	593.00	1.00	893,888	0.54	2.47	0.00	0.43	0.00		7.66		
96	95	Otay Lakes Road	1.25	481.00	1.00	893,888	0.54	2.47	0.00	0.53	0.00		7.59		
95	94	Telegraph Canyon Road	1.25	352.00	1.00	1,285,143	0.66	3.54	0.00	0.53	0.00		8.27		
94	93	Telegraph Canyon Road	1.25	600.00	1.00	1,285,143	0.66	3.54	0.00	0.53	0.00		7.79		
93	92	Telegraph Canyon Road	1.25	869.00	1.00	1,285,143	0.66	3.54	0.00	0.54	0.00		7.79		
92	91	Telegraph Canyon Road	1.25	332.00	1.00	1,312,893	0.67	3.62	0.00	0.54	0.00		7.48		
91	90	Telegraph Canyon Road	1.25	615.00	1.00	1,312,893	0.67	3.62	0.00	0.58	0.00		7.80		
90	89	Telegraph Canyon Road	1.25	643.00	1.00	1,494,393	0.72	4.11	0.00	0.58	0.00		7.89		
89	88	Telegraph Canyon Road	1.25	794.00	1.00	1,501,893	0.73	4.13	0.00	0.58	0.00		7.32		
88	87	Telegraph Canyon Road	1.25	673.00	1.00	1,508,793	0.73	4.15	0.00	0.63	0.00		7.26		
87	86	Telegraph Canyon Road	1.25	287.00	1.00	1,600,143	0.79	4.40	0.00	0.63	0.00		7.92		
86	85	Telegraph Canyon Road	1.25	600.00	1.25	1,600,143	0.70	4.40	0.00	0.56	0.00		7.88		
85	84	Telegraph Canyon Road	1.25	590.00	1.25	1,600,143	0.70	4.40	0.00	0.60	0.00		7.38		
84	83	Telegraph Canyon Road	1.25	630.00	1.05	1,600,143	0.75	4.40	0.00	0.60	0.00		9.72		
83	82	Telegraph Canyon Road	1.25	428.00	1.05	1,600,143	0.74	4.40	0.00	0.64	0.00		15.33		
82	81	Telegraph Canyon Road	1.25	746.00	1.05	1,671,543	0.79	4.59	0.00	0.64	0.00		18.77		
81	80	Telegraph Canyon Road	1.25	581.00	1.20	1,680,393	0.73	4.62	0.00	0.59	0.00		18.67		
80	79	Telegraph Canyon Road	1.25	614.00	1.20	1,701,543	0.74	4.67	0.00	0.65	0.00		18.63		
79	78	Telegraph Canyon Road	1.25	618.80	1.20	1,731,543	0.81	4.75	0.00	0.65	0.00		18.93		
78	77	Telegraph Canyon Road	1.75	602.70	0.90	1,731,543	0.68	4.75	0.00	0.39	0.00		19.49		
77	76a	Telegraph Canyon Road	1.75	596.00	0.90	1,731,543	0.68	4.75	0.00	0.39	0.00		18.92		
76a	76s1	Telegraph Canyon Road	1.75	229.46	0.90	1,731,543	0.68	4.75	0.00	0.57	0.00		16.28		
76s1	76	Telegraph Canyon Road	1.75	7.22	1.74	1,731,543	0.99	4.75	0.00	0.61	0.00		11.03		
76	75s7	Telegraph Canyon Road	1.75	6.78	0.00	1,898,943	1.07	5.20	0.00	0.57	0.00		10.43		
75s7	75s6	Telegraph Canyon Road	1.75	66.00	0.90	1,898,943	0.70	5.20	0.00	0.44	0.00		11.44		
75s6	75s5	Telegraph Canyon Road	1.75	18.00	1.80	1,898,943	0.77	5.20	0.00	0.61	0.00		10.97		

Ultimate Conditions, Wet Weather
Telegraph Canyon East Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Max Surcharge Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
75s5	75s4	Telegraph Canyon Road	1.75	18.00	0.00	1,898,943	1.06	5.20	0.00	0.57	0.00		11.00		
75s4	75s3	Telegraph Canyon Road	1.75	17.00	0.90	1,898,943	0.79	5.20	0.00	0.45	0.00		11.27		
75s3	75s2	Telegraph Canyon Road	1.75	18.50	1.80	1,898,943	0.74	5.20	0.00	0.58	0.00		10.48		
75s2	75s1	Telegraph Canyon Road	1.75	18.50	0.00	1,898,943	1.02	5.20	0.00	0.56	0.00		10.53		
75s1	75	Telegraph Canyon Road	1.75	201.00	0.90	1,898,943	0.74	5.20	0.00	0.42	0.00		10.81		
75	74a	Telegraph Canyon Road	1.75	372.20	1.20	1,913,681	0.66	5.24	0.00	0.38	0.00		12.27		
74a	74	Telegraph Canyon Road	1.75	227.00	1.20	1,913,681	0.66	5.24	0.00	0.38	0.00		11.17		
74	73a	Telegraph Canyon Road	1.75	599.40	1.20	1,913,681	0.66	5.24	0.00	0.38	0.00		10.78		
73a	73	Telegraph Canyon Road	1.75	77.00	1.18	1,913,681	0.66	5.24	0.00	0.39	0.00		11.08		
73	72a	Telegraph Canyon Road	1.75	82.70	1.18	2,052,581	0.69	5.62	0.00	0.40	0.00		9.71		
72a	72	Telegraph Canyon Road	1.75	452.60	1.18	2,052,581	0.69	5.62	0.00	0.40	0.00		7.94		
72	71	Telegraph Canyon Road	1.75	588.80	1.22	2,059,181	0.68	5.63	0.00	0.39	0.00		9.29		
71	70	Telegraph Canyon Road	1.75	409.40	1.20	2,059,181	0.68	5.63	0.00	0.39	0.00		9.47		
70	69a	Telegraph Canyon Road	1.75	190.00	1.20	2,071,331	0.69	5.67	0.00	0.39	0.00		9.38		
69a	69	Telegraph Canyon Road	1.75	386.40	1.20	2,071,331	0.69	5.67	0.00	0.40	0.00		7.66		
69	68a	Telegraph Canyon Road	1.75	214.30	1.20	2,086,181	0.71	5.71	0.00	0.40	0.00		7.75		
68a	68s61	Telegraph Canyon Road	1.75	21.60	2.17	2,086,181	0.67	5.71	0.00	0.50	0.00		4.89		
68s61	68s6	Telegraph Canyon Road	1.75	21.60	0.24	2,086,181	0.88	5.71	0.00	0.50	0.00		5.14		
68s6	68s5	Telegraph Canyon Road	1.75	117.00	1.20	2,086,181	0.73	5.71	0.00	0.42	0.00		5.35		
68s5	68s41	Telegraph Canyon Road	1.75	33.50	1.82	2,086,181	0.62	5.71	0.00	0.46	0.00		6.86		
68s41	68s4	Telegraph Canyon Road	1.75	33.50	0.58	2,086,181	0.80	5.71	0.00	0.46	0.00		7.29		
68s4	68s3	Telegraph Canyon Road	1.75	52.00	1.20	2,086,181	0.69	5.71	0.00	0.40	0.00		7.59		
68s3	68s21	Telegraph Canyon Road	1.75	18.00	2.40	2,086,181	0.69	5.71	0.00	0.51	0.00		8.21		
68s21	68s2	Telegraph Canyon Road	1.75	18.00	0.00	2,086,181	0.90	5.71	0.00	0.51	0.00		8.44		
68s2	68s1	Telegraph Canyon Road	1.75	277.00	1.20	2,086,181	0.69	5.71	0.00	0.46	0.00		8.65		
68s1	68s01	Telegraph Canyon Road	1.75	9.90	2.40	2,086,181	0.81	5.71	0.00	0.52	0.00		11.85		
68s01	68	Telegraph Canyon Road	1.75	9.90	0.00	2,086,181	0.90	5.71	0.00	0.52	0.00		12.00		
68	67s1	Telegraph Canyon Road	1.75	264.10	1.20	2,216,681	0.70	6.06	0.00	0.42	0.00		8.63		
67s1	67s01	Telegraph Canyon Road	1.75	20.20	2.23	2,216,681	0.74	6.06	0.00	0.57	0.00		10.33		
67s01	67a	Telegraph Canyon Road	1.75	20.20	0.17	2,216,681	1.00	6.06	0.00	0.57	0.00		10.52		
67a	67	Telegraph Canyon Road	1.75	10.00	1.20	2,216,681	0.84	6.06	0.00	0.48	0.00		10.72		
67	66	Telegraph Canyon Road	1.75	310.10	1.66	2,216,681	0.67	6.06	0.00	0.38	0.00		8.00		
66	65s1	Telegraph Canyon Road	1.75	135.40	2.07	2,309,831	0.63	6.30	0.00	0.39	0.00		9.82		
65s1	65s01	Telegraph Canyon Road	1.75	13.90	3.58	2,309,831	0.68	6.30	0.00	0.49	0.00		8.95		
65s01	65a	Telegraph Canyon Road	1.75	13.90	0.57	2,309,831	0.87	6.30	0.00	0.49	0.00		9.26		
65a	65	Telegraph Canyon Road	1.75	147.20	2.07	2,309,831	0.63	6.30	0.00	0.51	0.00		9.57		
65	64	Telegraph Canyon Road	1.50	330.80	0.80	2,309,831	0.90	6.30	0.00	0.60	0.00		9.35		
64	63	Telegraph Canyon Road	1.50	301.00	0.80	2,309,831	0.90	6.30	0.00	0.63	0.00		9.00		
63	62	Telegraph Canyon Road	1.50	286.00	0.80	2,309,831	0.94	6.30	0.00	0.63	0.00		8.36		
62	61	Telegraph Canyon Road	1.50	290.00	1.06	2,330,081	0.83	6.36	0.00	0.55	0.00		8.76		
61	60	Telegraph Canyon Road	1.50	307.00	1.06	2,330,081	0.83	6.36	0.00	0.55	0.00		8.84		
60	59	Telegraph Canyon Road	1.50	123.00	1.06	2,330,081	0.83	6.36	0.00	0.56	0.00		9.09		
59	58	Telegraph Canyon Road	1.50	179.00	1.06	2,414,831	0.84	6.59	0.00	0.57	0.00		8.38		
58	57	Telegraph Canyon Road	1.50	329.00	1.04	2,414,831	0.85	6.59	0.00	0.57	0.00		8.27		
57	56	Telegraph Canyon Road	1.50	274.00	1.04	2,414,831	0.85	6.59	0.00	0.57	0.00		8.69		
56	55	Telegraph Canyon Road	1.50	201.00	1.06	2,414,831	0.85	6.59	0.00	0.60	0.00		8.55		
55	54	Telegraph Canyon Road	1.50	42.00	0.85	2,414,831	0.91	6.59	0.00	0.60	0.00		8.62		
54	53	Telegraph Canyon Road	1.50	209.00	0.85	2,414,831	0.91	6.59	0.00	0.61	0.00		7.97		
53	52	Telegraph Canyon Road	1.50	36.00	0.85	2,414,831	0.91	6.59	0.00	0.62	0.00		8.74		
52	51	Telegraph Canyon Road	1.50	241.00	0.80	2,414,831	0.92	6.59	0.00	0.62	0.00		8.04		
51	50	Telegraph Canyon Road	1.50	316.00	0.80	2,435,604	0.93	6.64	0.00	0.68	0.00		8.96		

Ultimate Conditions, Wet Weather
Telegraph Canyon East Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
50	49	Telegraph Canyon Road	1.50	313.00	0.69	2,435,604	1.02	6.64	0.00	0.68	0.00		8.40		
49	48	Telegraph Canyon Road	1.75	297.08	0.69	2,435,604	0.90	6.64	0.00	0.52	0.00		10.22		
48	47	Telegraph Canyon Road	1.75	287.00	0.80	2,442,528	0.84	6.66	0.00	0.60	0.00		10.34		
47	46	Telegraph Canyon Road	1.50	291.00	0.80	2,442,528	1.04	6.66	0.00	0.70	0.00		8.86		
46	45	Telegraph Canyon Road	1.50	290.00	1.70	2,442,528	0.74	6.66	0.00	0.49	0.00		8.50		
45	44	Telegraph Canyon Road	1.50	288.00	1.70	2,442,528	0.74	6.66	0.00	0.49	0.00		8.42		
44	43	Telegraph Canyon Road	1.50	295.00	1.70	2,442,528	0.74	6.66	0.00	0.49	0.00		8.32		
43	42	Telegraph Canyon Road	1.50	307.00	1.70	2,454,161	0.74	6.69	0.00	0.49	0.00		8.33		
42	41	Telegraph Canyon Road	1.50	291.00	1.70	2,454,161	0.74	6.69	0.00	0.72	0.00		8.55		
41	40	Telegraph Canyon Road	1.75	271.00	0.37	2,461,916	1.08	6.71	0.00	0.61	0.00		8.17		
40	39	Telegraph Canyon Road	1.75	294.00	0.37	2,461,916	1.08	6.71	0.00	0.61	0.00		8.17		
39	38	Telegraph Canyon Road	1.75	381.00	0.37	2,461,916	1.08	6.71	0.00	0.61	0.00		8.26		
38	37	Telegraph Canyon Road	1.75	279.00	0.37	2,461,916	1.08	6.71	0.00	0.61	0.00		8.67		
37	36	Hilltop Drive	1.75	452.00	0.37	2,461,916	1.08	6.71	0.00	0.61	0.00		8.70		
36	35	Hilltop Drive	1.75	367.00	0.37	2,461,916	1.08	6.71	0.00	0.61	0.00		8.37		
35	34	Hilltop Drive	1.75	378.00	0.37	2,461,916	1.08	6.71	0.00	0.61	0.00		8.73		

Ultimate Conditions, Wet Weather
Poggi Canyon Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
Poggi Canyon															
P660	P655	Olympic Parkway	1.50	400.93	1.56	107,285	0.15	0.29	0.00	0.10	0.00		6.04		
P655	P650	Olympic Parkway	1.50	263.20	1.50	107,285	0.15	0.29	0.00	0.10	0.00		10.53		
P650	P645	Olympic Parkway	1.50	295.00	2.00	107,285	0.13	0.29	0.00	0.09	0.00		9.32		
P645	P640	Olympic Parkway	1.50	307.46	4.50	107,285	0.12	0.29	0.00	0.08	0.00		8.14		
P640	P635	Olympic Parkway	1.50	374.57	6.00	107,285	0.11	0.29	0.00	0.07	0.00		9.71		
P635	P630	Olympic Parkway	1.50	393.68	4.57	107,285	0.12	0.29	0.00	0.08	0.00		10.99		
P630	P625	Olympic Parkway	1.50	397.76	4.00	107,285	0.12	0.29	0.00	0.08	0.00		9.44		
P625	P620	Olympic Parkway	1.50	196.75	7.73	107,285	0.10	0.29	0.00	0.07	0.00		9.68		
P620	P615	Olympic Parkway	1.50	353.11	1.00	470,840	0.23	0.58	0.00	0.15	0.00		17.51		
P615	P610	Olympic Parkway	1.50	368.24	1.50	728,195	0.39	2.06	0.00	0.26	0.00		12.38		
P610	P605	Olympic Parkway	1.50	398.50	1.00	728,195	0.43	2.04	0.00	0.29	0.00		12.43		
P605	P600	Olympic Parkway	1.50	393.50	1.00	746,470	0.43	2.04	0.00	0.29	0.00		12.79		
P600	P595	Olympic Parkway	1.50	398.60	1.00	746,470	0.43	1.99	0.00	0.28	0.00		13.15		
P595	P590	Olympic Parkway	1.50	396.57	1.00	746,470	0.42	1.92	0.00	0.28	0.00		13.51		
P590	P585	Olympic Parkway	1.50	395.00	1.00	869,841	0.45	2.21	0.00	0.30	0.00		13.36		
P585	P580	Olympic Parkway	1.50	402.50	2.00	869,841	0.37	2.17	0.00	0.25	0.00		13.82		
P580	P575	Olympic Parkway	1.50	170.00	1.00	1,126,596	0.52	2.89	0.00	0.34	0.00		18.28		
P575	P570	Olympic Parkway	1.50	295.00	0.70	1,126,596	0.57	2.88	0.00	0.38	0.00		17.96		
P570	P565	Olympic Parkway	1.50	395.31	0.70	1,126,596	0.56	2.83	0.00	0.37	0.00		16.85		
P565	P560	Olympic Parkway	1.50	396.02	0.80	1,126,596	0.54	2.80	0.00	0.36	0.00		15.35		
P560	P555	Olympic Parkway	1.50	400.20	2.93	1,126,596	0.38	2.77	0.00	0.26	0.00		9.20		
P555	P550	Olympic Parkway	1.50	353.98	3.74	1,126,596	0.36	2.77	0.00	0.24	0.00		6.39		
P550	P545	Olympic Parkway	1.50	399.13	3.38	1,126,596	0.37	2.75	0.00	0.24	0.00		6.37		
P545	P540	Olympic Parkway	1.50	224.59	6.17	1,126,596	0.32	2.75	0.00	0.21	0.00		9.43		
P540	P485	Olympic Parkway	1.50	288.27	1.00	1,613,178	0.62	4.06	0.00	0.41	0.00		21.01		
P485	P480	Olympic Parkway	1.50	281.01	0.60	1,613,178	0.71	4.05	0.00	0.48	0.00		21.12		
P480	P475	Olympic Parkway	1.50	396.44	0.60	1,613,178	0.71	4.03	0.00	0.47	0.00		20.16		
P475	P470	Olympic Parkway	1.50	399.33	0.60	1,613,178	0.71	4.01	0.00	0.47	0.00		18.73		
P470	P465	Olympic Parkway	1.50	394.88	0.60	1,943,230	0.80	4.91	0.00	0.53	0.00		17.24		
P465	P460	Olympic Parkway	1.50	390.75	2.50	1,943,230	0.53	4.89	0.00	0.36	0.00		15.24		
P460	P455	Olympic Parkway	1.50	395.00	4.15	1,943,230	0.47	4.90	0.00	0.31	0.00		14.61		
P455	P450	Olympic Parkway	1.50	110.00	6.20	1,943,230	0.42	4.89	0.00	0.28	0.00		19.24		
P450	P445	Olympic Parkway	1.50	280.16	3.00	1,943,230	0.51	4.89	0.00	0.34	0.00		22.72		
P445	P440	Olympic Parkway	1.50	395.35	1.01	1,943,230	0.69	4.88	0.00	0.46	0.00		22.59		
P440	P435	Olympic Parkway	1.50	395.00	1.00	1,943,230	0.69	4.87	0.00	0.46	0.00		16.56		
P435	P430	Olympic Parkway	1.50	395.00	1.00	1,943,230	0.69	4.87	0.00	0.46	0.00		15.82		
P430	P425	Olympic Parkway	1.50	393.68	1.00	1,943,230	0.68	4.86	0.00	0.46	0.00		15.26		
P425	P420	Olympic Parkway	1.50	393.13	1.00	1,943,230	0.68	4.85	0.00	0.46	0.00		15.08		
P420	P415	Olympic Parkway	1.50	393.01	1.50	1,943,230	0.61	4.84	0.00	0.41	0.00		14.76		
P415	P410	Olympic Parkway	1.50	389.87	2.74	1,943,230	0.52	4.84	0.00	0.35	0.00		16.12		
P410	P405	Olympic Parkway	1.50	324.74	0.60	2,379,116	0.91	6.05	0.00	0.61	0.00		22.32		
P405	P400	Olympic Parkway	1.50	321.87	1.70	2,379,116	0.67	6.04	0.00	0.44	0.00		19.64		
P400	P395	Olympic Parkway	1.50	322.28	1.08	2,379,116	0.76	6.04	0.00	0.51	0.00		20.22		
P395	P390	Olympic Parkway	1.50	307.10	1.05	2,379,116	0.77	6.04	0.00	0.51	0.00		18.88		
P390	P385	Olympic Parkway	1.50	335.00	1.01	2,434,901	0.79	6.19	0.00	0.52	0.00		17.51		
P385	P380	Olympic Parkway	1.50	366.29	1.36	2,434,901	0.72	6.19	0.00	0.48	0.00		15.92		
P380	P375	Olympic Parkway	1.50	263.68	1.74	2,434,901	0.67	6.19	0.00	0.45	0.00		15.45		
P375	P370	Olympic Parkway	1.50	263.50	1.82	2,434,901	0.66	6.19	0.00	0.44	0.00		16.12		
P370	P365	Olympic Parkway	1.50	387.05	3.36	2,610,681	0.58	6.68	0.00	0.39	0.00		17.07		

Ultimate Conditions, Wet Weather
Poggi Canyon Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
P365	P360	Olympic Parkway	1.50	345.00	0.83	2,610,681	0.88	6.67	0.00	0.58	0.00		23.94		
P360	P355	Olympic Parkway	1.50	343.47	0.60	2,610,681	0.98	6.66	0.00	0.65	0.00		21.52		
P355	P350	Olympic Parkway	1.50	342.78	0.60	2,610,681	0.97	6.66	0.00	0.65	0.00		18.40		
P350	P345	Olympic Parkway	1.50	344.16	0.60	2,610,681	0.98	6.65	0.00	0.65	0.00		15.26		
P345	P340	Olympic Parkway	1.50	345.00	2.13	2,610,681	0.66	6.65	0.00	0.44	0.00		12.45		
P340	P335	Olympic Parkway	1.50	136.53	1.22	2,610,681	0.78	6.65	0.00	0.52	0.00		14.49		
P335	P330	Olympic Parkway	1.50	203.47	1.15	2,649,311	0.80	6.76	0.00	0.53	0.00		14.19		
P330	P325	Olympic Parkway	1.50	370.00	1.08	2,649,311	0.81	6.76	0.00	0.54	0.00		13.47		
P325	P320	Olympic Parkway	1.50	367.94	0.98	2,731,211	0.85	6.97	0.00	0.57	0.00		13.34		
P320	P315	Olympic Parkway	1.50	392.20	1.22	2,731,211	0.80	6.97	0.00	0.53	0.00		13.44		
P315	P310	Olympic Parkway	1.50	213.43	1.41	2,731,211	0.77	6.97	0.00	0.51	0.00		14.47		
P310	P305	Olympic Parkway	1.50	150.11	5.00	2,747,981	0.54	7.02	0.00	0.36	0.00		15.70		
P305	P300	Olympic Parkway	1.50	395.44	0.60	2,747,981	1.01	7.01	0.00	0.67	0.00		21.38		
P300	P295	Olympic Parkway	1.50	372.63	0.60	2,747,981	1.01	7.00	0.00	0.67	0.00		19.95		
P295	P290	Olympic Parkway	1.50	395.49	0.98	2,747,981	0.86	7.00	0.00	0.57	0.00		17.67		
P290	P285	Olympic Parkway	1.50	395.00	2.13	2,747,981	0.68	6.99	0.00	0.45	0.00		13.46		
P285	P280	Olympic Parkway	1.50	370.28	2.98	2,747,981	0.62	6.99	0.00	0.41	0.00		13.64		
P280	P275	Olympic Parkway	1.50	250.95	1.00	2,747,981	0.85	6.99	0.00	0.57	0.00		16.61		
P275	P270	Olympic Parkway	1.50	68.85	0.78	2,747,981	0.94	6.99	0.00	0.63	0.00		13.85		
P270	P265	Orange Avenue	1.50	60.99	0.50	3,001,668	1.14	7.70	0.00	0.76	0.00		12.44		
P265	P260	Orange Avenue	1.50	328.24	1.12	3,001,668	0.87	7.69	0.00	0.58	0.00		10.73		
P260	P255	Orange Avenue	1.50	224.97	0.87	3,001,668	0.95	7.69	0.00	0.63	0.00		7.04		
P255	P250	Orange Avenue	1.50	302.45	1.01	3,001,668	0.90	7.69	0.00	0.60	0.00		3.54		
P250	P245	Orange Avenue	1.50	199.66	0.87	3,001,668	0.98	7.70	0.00	0.66	0.00		4.62		
P245	P240	ROW	1.75	172.28	0.99	3,037,358	0.83	7.79	0.00	0.47	0.00		11.22		
P240	P235	Georgetown Place	1.75	273.70	0.40	3,060,094	1.10	7.86	0.00	0.63	0.00		5.49		
P235	P230	Poggi Canyon	1.75	377.86	0.40	3,060,094	1.10	7.84	0.00	0.63	0.00		5.54		
P230	P225	Poggi Canyon	1.75	207.50	0.40	3,137,750	1.14	8.05	0.00	0.65	0.00		3.83		
P225	P220	Poggi Canyon	1.75	269.74	7.48	3,137,750	0.49	8.05	0.00	0.28	0.00		6.61		
P220	P215	Poggi Canyon	1.75	340.72	1.39	3,137,750	0.77	8.05	0.00	0.44	0.00		5.76		
P215	P210	Poggi Canyon	1.75	395.00	0.50	3,137,750	1.04	8.04	0.00	0.59	0.00		7.24		
P210	P205	Poggi Canyon	1.75	395.00	0.50	3,137,750	1.04	8.04	0.00	0.60	0.00		4.82		
P205	P200	Poggi Canyon	1.75	253.58	0.56	3,137,750	1.00	8.04	0.00	0.57	0.00		3.83		
P200	P195	Poggi Canyon	1.75	133.05	0.61	3,137,750	0.97	8.04	0.00	0.55	0.00		2.68		
P195	P190	Poggi Canyon	1.50	546.16	0.50	3,210,199	1.23	8.23	0.00	0.82	0.00		3.56		
P190	P185	Poggi Canyon	1.50	114.30	0.41	3,210,199	1.31	8.23	0.00	0.87	0.00		10.94	114.30	
P185	P180	Poggi Canyon	1.75	34.95	0.74	3,210,199	0.93	8.23	0.00	0.53	0.00		10.47		
P180	P175	Poggi Canyon	1.75	108.82	0.73	3,210,199	0.94	8.23	0.00	0.54	0.00		9.84		
P175	P170	Poggi Canyon	1.75	59.38	0.73	3,339,755	0.96	8.59	0.00	0.55	0.00		11.01		
P170	P165	Poggi Canyon	1.75	42.71	4.39	3,339,755	0.58	8.59	0.00	0.33	0.00		10.22		
P165	P160	Poggi Canyon	1.75	93.08	4.39	3,339,755	0.58	8.59	0.00	0.33	0.00		9.69		
P160	P155	Poggi Canyon	1.75	136.07	4.13	3,339,755	0.59	8.59	0.00	0.34	0.00		7.27		
P155	P150	Poggi Canyon	1.75	385.26	1.65	3,339,755	0.76	8.59	0.00	0.43	0.00		4.62		
P150	P145	Poggi Canyon	1.75	395.00	1.65	3,339,755	0.76	8.58	0.00	0.43	0.00		5.08		
P145	P140	Poggi Canyon	1.75	395.00	1.65	3,339,755	0.76	8.59	0.00	0.43	0.00		7.50		
P140	P135	Poggi Canyon	1.75	156.44	0.54	3,339,755	1.06	8.58	0.00	0.61	0.00		5.20		
P135	P130	Poggi Canyon	1.75	33.49	0.50	3,339,755	1.08	8.58	0.00	0.62	0.00		2.22		
P130	P125	Poggi Canyon	1.75	54.92	0.50	3,339,755	1.09	8.58	0.00	0.62	0.00		2.58		
P125	P120	Poggi Canyon	1.75	30.13	0.50	3,339,755	1.09	8.58	0.00	0.62	0.00		3.35		
P120	P115	Poggi Canyon	1.75	63.58	0.50	3,339,755	1.08	8.58	0.00	0.62	0.00		3.71		
P115	P110	Poggi Canyon	1.75	84.63	0.50	3,339,755	1.09	8.58	0.00	0.62	0.00		5.52		

Ultimate Conditions, Wet Weather
Poggi Canyon Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
P110	P105	Poggi Canyon	1.75	164.11	0.50	3,339,755	1.09	8.58	0.00	0.62	0.00		2.64		
P105	P102	Poggi Canyon	1.75	97.50	0.49	3,339,755	1.09	8.58	0.00	0.62	0.00		6.06		
P102	S330	Poggi Canyon	1.75	12.31	6.66	3,339,755	0.66	8.58	0.00	0.38	0.00		12.14		
D280	D275	Valey Avenue	1.25	606.25	0.48	258,686	0.32	0.63	0.00	0.25	0.00		11.36		
D275	D270	Valey Avenue	1.25	312.70	0.57	288,024	0.43	0.71	0.00	0.35	1.00		7.59		
D270	D265	ROW	1.25	101.50	12.10	288,024	0.15	0.71	0.00	0.12	2.00		8.15		
D265	D260	ROW	1.25	676.50	0.69	303,504	0.32	0.76	0.00	0.25	3.00		17.28		
D260	D255	ROW	1.25	669.50	0.56	303,504	0.34	0.76	0.00	0.28	4.00		13.93		
D255	D250	Mace Street	1.25	237.50	0.60	303,504	0.33	0.76	0.00	0.26	5.00		5.57		
D250	D245	ROW	1.25	686.70	0.56	398,326	0.39	1.00	0.00	0.31	6.00		16.94		
D245	D240	ROW	1.50	687.50	0.49	398,326	0.37	1.00	0.00	0.25	7.00		10.75		
D240	D235	ROW	1.50	128.00	0.45	398,326	0.39	1.00	0.00	0.26	8.00		6.11		
D235	D230	ROW	1.50	339.80	0.52	398,326	0.36	1.00	0.00	0.24	9.00		12.72		
D230	D225	ROW	1.50	386.60	0.49	398,326	0.37	1.00	0.00	0.25	10.00		10.05		
D225	D220	Alvoca Street	1.50	628.32	0.48	404,991	0.50	1.02	0.00	0.33	11.00		9.81		
D220	D215	Del Monte Avenue	1.50	58.48	5.61	404,991	0.21	1.02	0.00	0.14	12.00		9.14		
D215	D210	ROW	1.50	274.30	0.40	404,991	0.40	1.02	0.00	0.27	13.00		11.73		
D210	D205	Beyer Way	1.50	765.40	0.39	404,991	0.40	1.02	0.00	0.27	14.00		12.31		
D205	D200	Beyer Way	1.50	383.60	0.40	404,991	0.40	1.02	0.00	0.26	15.00		12.35		
D200	D195	ROW	1.50	628.50	0.40	455,691	0.43	1.16	0.00	0.28	16.00		16.87		
D195	D190	ROW	1.50	690.60	0.40	455,691	0.42	1.16	0.00	0.28	17.00		15.35		
D190	D185	ROW	1.50	43.00	0.35	455,691	0.44	1.16	0.00	0.29	18.00		11.07		
D185	D180	ROW	1.50	828.90	0.39	455,691	0.43	1.16	0.00	0.28	19.00		12.23		
D180	D175	Faivre Street	1.50	429.50	0.43	455,691	0.43	1.16	0.00	0.28	20.00		13.46		
D175	D170	Faivre Street	1.50	679.70	0.40	455,691	0.42	1.16	0.00	0.28	21.00		13.48		
D170	D165	Faivre Street	1.50	840.00	0.39	455,691	0.43	1.16	0.00	0.28	22.00		10.68		
D165	D160	Faivre Street	1.50	500.00	0.45	514,526	0.44	1.32	0.00	0.29	23.00		9.46		
D160	D148	ROW	1.50	679.00	0.40	514,526	0.45	1.32	0.00	0.30	24.00		8.68		
D148	D145	Industrial Boulevard	2.50	181.00	0.47	514,526	0.96	9.61	0.00	0.39	25.00		9.39		
D145	D140	Industrial Boulevard	2.50	428.20	0.42	514,526	1.00	9.61	0.00	0.40	26.00		9.70		
D140	D138	Louret Avenue	2.50	62.92	0.35	514,526	1.05	9.61	0.00	0.42	27.00		12.23		
D138	D136	Louret Avenue	2.50	91.43	0.35	514,526	1.17	9.61	0.00	0.47	28.00		12.02		
D136	D135	Louret Avenue	2.25	406.00	0.15	514,526	1.45	9.61	0.00	0.64	29.00		11.63		
D135	D130	Louret Avenue	2.25	578.00	0.14	514,526	1.46	9.61	0.00	0.65	30.00		10.22		
D130	D125	Louret Avenue	2.25	456.00	0.16	514,526	1.50	9.60	0.00	0.67	31.00		9.01		
D125	D120	Louret Avenue	2.25	536.40	0.06	514,526	1.77	9.60	0.00	0.78	32.00		6.47		
D120	D115	Anita Avenue	2.25	308.70	0.17	514,526	1.39	9.60	0.00	0.62	33.00		6.16		
D115	D110	Anita Avenue	2.25	298.62	0.16	514,526	1.44	9.60	0.00	0.64	34.00		5.64		
D110	D105	Anita Avenue	2.25	494.28	0.13	514,526	1.53	9.60	0.00	0.68	35.00		5.04		

Ultimate Conditions, Wet Weather
Salt Creek Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
Salt Creek															
450	449	Hunte Parkway	1.25	105.77	0.55	292,003	0.36	0.81	0.00	0.29	0.00				
449	448	Hunte Parkway	1.25	379.39	0.64	292,003	0.35	0.81	0.00	0.28	0.00				
448	447	Hunte Parkway	1.25	408.57	0.58	292,003	0.35	0.81	0.00	0.28	0.00				
447	446	Hunte Parkway	1.25	337.88	0.61	292,003	0.40	0.81	0.00	0.32	0.00				
446	445	Hunte Parkway	1.25	394.30	0.68	292,003	0.40	0.81	0.00	0.32	0.00				
445	444	Hunte Parkway	1.25	308.72	5.33	292,003	0.23	0.81	0.00	0.19	0.00				
444	443	Hunte Parkway	1.25	96.00	15.71	292,003	0.26	0.81	0.00	0.21	0.00				
443	442	Hunte Parkway	1.25	307.73	3.46	423,153	0.36	1.17	0.00	0.29	0.00				
442	441	Hunte Parkway	1.25	401.73	1.01	423,153	0.39	1.17	0.00	0.31	0.00				
441	440	Hunte Parkway	1.25	378.20	1.21	423,153	0.39	1.17	0.00	0.31	0.00				
440	439	Hunte Parkway	1.25	358.00	2.50	423,153	0.38	1.17	0.00	0.31	0.00				
439	438	Hunte Parkway	1.25	344.42	1.10	423,153	0.38	1.17	0.00	0.31	0.00				
438	437	Hunte Parkway	1.25	317.38	1.83	423,153	0.31	1.17	0.00	0.25	0.00				
437	436	Hunte Parkway	1.25	374.80	3.56	580,473	0.42	1.58	0.00	0.34	0.00				
436	435	Salt Creek	1.25	389.97	1.05	580,473	0.42	1.58	0.00	0.34	0.00				
435	434	Salt Creek	1.25	235.33	1.08	580,473	0.42	1.58	0.00	0.33	0.00				
434	433	Salt Creek	1.25	392.07	1.05	580,473	0.42	1.58	0.00	0.33	0.00				
433	432	Salt Creek	1.25	291.03	1.07	580,473	0.47	1.58	0.00	0.38	0.00				
432	431	Salt Creek	1.25	288.71	1.07	580,473	0.47	1.58	0.00	0.38	0.00				
431	430	Salt Creek	1.25	357.00	2.38	580,473	0.51	1.58	0.00	0.40	0.00				
430	429	Salt Creek	1.50	535.98	0.38	580,473	0.68	1.58	0.00	0.45	0.00				
429	428	North Creekside Drive	1.50	56.66	1.78	1,962,963	0.68	5.34	0.00	0.45	0.00				
428	427	North Creekside Drive	1.50	127.29	3.10	1,962,963	0.55	5.34	0.00	0.37	0.00				
427	426	North Creekside Drive	1.50	179.38	3.08	1,962,963	0.56	5.34	0.00	0.37	0.00				
426	425	North Creekside Drive	1.50	322.07	3.00	1,962,963	0.99	5.34	0.00	0.66	0.00				
425	424	North Creekside Drive	1.50	391.37	0.43	1,962,963	1.02	5.34	0.00	0.68	0.00				
424	423	North Creekside Drive	1.50	337.37	0.43	1,962,963	1.02	5.34	0.00	0.68	0.00				
423	422	North Creekside Drive	1.50	320.00	0.52	1,962,963	1.13	5.34	0.00	0.75	0.00				
422	421	North Creekside Drive	1.50	375.23	0.34	1,962,963	1.13	5.34	0.00	0.75	0.00				
421	420	South Creekside Drive	1.50	214.58	0.45	1,962,963	0.98	5.34	0.00	0.66	0.00				
420	419	South Creekside Drive	1.50	279.18	0.44	1,962,963	1.00	5.34	0.00	0.66	0.00				
419	418	South Creekside Drive	1.50	331.52	0.43	1,962,963	1.00	5.34	0.00	0.66	0.00				
418	417	South Creekside Drive	1.50	234.29	0.44	1,962,963	0.99	5.34	0.00	0.66	0.00				
417	416	South Creekside Drive	1.50	376.84	0.43	1,962,963	0.99	5.34	0.00	0.66	0.00				
416	415	Salt Creek	1.50	183.28	8.21	2,094,988	0.68	5.69	0.00	0.45	0.00				
415	414	Salt Creek	1.50	291.21	1.64	2,094,988	1.00	5.69	0.00	0.67	0.00				
414	413	Salt Creek	1.50	295.00	1.22	2,094,988	1.00	5.69	0.00	0.67	0.00				
413	379	Salt Creek	1.50	33.00	13.33	2,094,988	0.84	5.69	0.00	0.56	0.00				
379	380	Salt Creek	1.50	9.13	3.07	2,254,374	0.84	6.12	0.00	0.56	0.00				
380	381	Salt Creek	1.75	151.45	0.89	2,254,374	0.84	6.12	0.00	0.48	0.00				
381	378	Salt Creek	1.75	24.99	3.32	2,254,374	0.57	6.12	0.00	0.33	0.00				
378	410	Salt Creek	1.75	8.48	3.30	2,254,374	0.77	6.12	0.00	0.44	0.00				
410	377	Salt Creek	1.75	91.18	6.35	2,254,374	0.52	6.12	0.00	0.30	0.00				
377	362	Salt Creek	1.75	173.33	1.20	2,254,374	0.72	6.12	0.00	0.41	0.00				
362	360	Salt Creek	1.75	346.73	1.07	2,254,374	0.74	6.12	0.00	0.42	0.00				
360	358	Salt Creek	1.75	609.66	2.01	2,254,374	0.62	6.12	0.00	0.35	0.00				
358	359	Salt Creek	1.75	563.95	0.86	2,254,374	0.79	6.12	0.00	0.45	0.00				
359	357	Salt Creek	1.75	596.82	1.57	2,254,374	0.67	6.12	0.00	0.38	0.00				
357	356	Salt Creek	2.00	470.93	0.86	2,398,819	0.77	6.51	0.00	0.38	0.00				
356	355	Salt Creek	2.00	510.27	1.85	2,398,819	0.62	6.51	0.00	0.31	0.00				

Ultimate Conditions, Wet Weather
Salt Creek Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
355	354	Salt Creek	2.00	511.11	1.26	2,398,819	0.69	6.51	0.00	0.35	0.00				
354	353	Salt Creek	2.00	509.76	0.82	2,398,819	0.78	6.51	0.00	0.39	0.00				
353	352	Salt Creek	2.00	507.69	1.55	2,398,819	0.65	6.51	0.00	0.33	0.00				
352	351	Salt Creek	2.00	501.74	1.72	2,398,819	0.78	6.51	0.00	0.39	0.00				
351	350	Salt Creek	2.00	17.39	0.52	2,398,819	0.98	6.51	0.00	0.49	0.00				
350	349	Salt Creek	2.00	403.13	0.32	2,398,819	1.06	6.51	0.00	0.53	0.00				
349	348	Salt Creek	2.00	20.69	0.29	2,398,819	1.01	6.51	0.00	0.50	0.00				
383	384	ROW	1.00	231.56	0.46	224,340	0.37	0.68	0.00	0.37	0.00				
384	386	ROW	1.00	260.50	0.50	224,340	0.35	0.68	0.00	0.35	0.00				
386	392	ROW	1.00	241.51	0.50	224,340	0.39	0.68	0.00	0.39	0.00				
392	394	ROW	1.00	246.51	0.57	224,340	0.39	0.68	0.00	0.39	0.00				
394	396	ROW	1.00	236.89	1.37	224,340	0.44	0.68	0.00	0.44	0.00				
396	398	ROW	1.00	278.84	0.54	224,340	0.44	0.68	0.00	0.44	0.00				
398	400	ROW	1.00	130.87	8.38	224,340	0.20	0.68	0.00	0.20	0.00				
400	402	ROW	1.00	357.70	19.82	224,340	0.16	0.68	0.00	0.16	0.00				
402	404	ROW	1.00	116.69	11.54	224,340	0.17	0.68	0.00	0.17	0.00				
404	406	ROW	1.00	168.74	9.15	224,340	0.17	0.68	0.00	0.17	0.00				
406	348	ROW	1.00	100.00	0.50	224,340	0.37	0.68	0.00	0.37	0.00				
348	347	Salt Creek	2.00	566.14	0.32	2,623,159	1.13	7.13	0.00	0.57	0.00				
347	282	Salt Creek	2.00	254.00	0.97	2,623,159	0.78	7.13	0.00	0.39	0.00				
282	280	Salt Creek	2.00	83.41	8.38	2,623,159	1.31	7.13	0.00	0.65	0.00				
280	278	Salt Creek	2.00	316.64	0.23	3,059,869	1.31	8.29	0.00	0.65	0.00				
278	276	Salt Creek	2.00	400.00	0.23	3,059,869	1.31	8.29	0.00	0.65	0.00				
276	274	Salt Creek	2.00	400.00	0.23	3,059,869	1.31	8.29	0.00	0.65	0.00				
274	272	Salt Creek	2.00	187.39	0.23	3,059,869	1.29	8.29	0.00	0.65	0.00				
272	270	Salt Creek	2.00	164.52	0.26	3,059,869	1.25	8.29	0.00	0.62	0.00				
270	412	Salt Creek	2.00	200.00	3.30	3,059,869	0.64	8.29	0.00	0.32	0.00				
412	268	Salt Creek	2.00	217.87	3.30	3,059,869	0.64	8.29	0.00	0.32	0.00				
268	266	Salt Creek	2.00	146.46	4.09	3,059,869	0.62	8.29	0.00	0.31	0.00				
266	264	Salt Creek	2.00	220.48	4.09	3,059,869	0.62	8.29	0.00	0.31	0.00				
264	262	Salt Creek	2.00	348.89	6.31	3,059,869	0.54	8.29	0.00	0.27	0.00				
262	341	Salt Creek	2.00	283.32	5.29	3,059,869	0.57	8.29	0.00	0.29	0.00				
341	260	Salt Creek	2.00	400.00	4.25	3,059,869	0.76	8.29	0.00	0.38	0.00				
260	258	Salt Creek	2.00	377.80	1.45	3,059,869	0.76	8.29	0.00	0.38	0.00				
258	256	Salt Creek	2.00	328.20	1.45	3,059,869	0.76	8.29	0.00	0.38	0.00				
256	376	Salt Creek	2.00	195.00	0.37	3,059,869	1.24	8.29	0.00	0.62	0.00				
376	389	Salt Creek	2.50	2.44	41.07	3,059,869	0.56	8.29	0.00	0.22	0.00				
389	375	Salt Creek	2.50	31.29	12.40	3,059,869	1.16	8.29	0.00	0.46	0.00				
375	252	Salt Creek	2.50	299.47	0.11	3,059,869	1.36	8.29	0.00	0.54	0.00				
252	250	Salt Creek	2.50	411.56	0.11	3,059,869	1.38	8.29	0.00	0.55	0.00				
250	374	Salt Creek	2.50	305.03	0.11	3,059,869	1.36	8.29	0.00	0.54	0.00				
374	244	Salt Creek	2.50	79.41	5.69	3,059,869	0.97	8.29	0.00	0.39	0.00				
244	242	Salt Creek	2.50	257.58	0.41	3,059,869	1.09	8.29	0.00	0.44	0.00				
242	240	Salt Creek	2.50	521.21	0.37	3,059,869	1.09	8.29	0.00	0.44	0.00				
240	238	Salt Creek	2.50	175.33	0.77	3,059,869	0.82	8.29	0.00	0.33	0.00				
238	236	Salt Creek	2.50	78.10	1.05	3,059,869	0.75	8.29	0.00	0.30	0.00				
236	234	Salt Creek	2.50	565.71	1.05	3,059,869	0.75	8.29	0.00	0.30	0.00				
234	232	Wiley Road	2.50	564.76	1.05	3,059,869	0.75	8.29	0.00	0.30	0.00				
232	230	Wiley Road	2.50	312.34	1.54	3,059,869	0.97	8.29	0.00	0.39	0.00				

Ultimate Conditions, Wet Weather
Salt Creek Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
230	222	Wiley Road	2.50	596.77	0.31	3,463,669	1.17	9.38	0.00	0.47	0.00				
222	220	Wiley Road	2.50	593.55	0.31	3,463,669	1.17	9.38	0.00	0.47	0.00				
220	218	Wiley Road	2.50	519.36	0.31	3,463,669	1.17	9.38	0.00	0.47	0.00				
218	216	Wiley Road	2.50	600.00	0.31	3,463,669	1.18	9.38	0.00	0.47	0.00				
216	214	Wiley Road	2.50	600.00	1.06	3,463,669	1.06	9.38	0.00	0.43	0.00				
214	212	Wiley Road	3.00	510.21	0.26	4,416,684	1.26	11.93	0.00	0.42	0.00				
212	210	Wiley Road	3.00	342.11	0.19	4,416,684	1.36	11.93	0.00	0.45	0.00				
210	208	Wiley Road	3.00	353.81	0.19	4,416,684	1.38	11.93	0.00	0.46	0.00				
208	206	Wiley Road	3.00	289.47	0.19	4,416,684	1.34	11.93	0.00	0.45	0.00				
206	204	Wiley Road	3.00	600.00	0.19	4,416,684	1.43	11.93	0.00	0.48	0.00				
204	202	Wiley Road	3.00	484.48	0.58	4,416,684	0.99	11.93	0.00	0.33	0.00				
202	200	Wiley Road	3.00	594.83	0.58	4,416,684	0.99	11.93	0.00	0.33	0.00				
200	198	Wiley Road	3.00	593.10	0.58	4,416,684	0.99	11.93	0.00	0.33	0.00				
198	196	Wiley Road	3.00	594.83	0.58	4,416,684	0.99	11.93	0.00	0.33	0.00				
196	194	Wiley Road	3.00	600.00	0.58	4,416,684	0.99	11.93	0.00	0.33	0.00				
194	192	Wiley Road	3.00	389.66	0.58	4,416,684	0.99	11.93	0.00	0.33	0.00				
192	190	Wiley Road	3.00	439.85	0.58	4,416,684	0.99	11.93	0.00	0.33	0.00				
190	188	Wiley Road	3.00	304.50	2.00	4,416,684	1.18	11.93	0.00	0.39	0.00				
188	186	Wiley Road	3.00	470.08	0.19	4,416,684	1.38	11.93	0.00	0.46	0.00				
186	184	Wiley Road	3.00	600.00	0.19	4,416,684	1.38	11.93	0.00	0.46	0.00				
184	182	Wiley Road	3.00	599.29	0.19	4,416,684	1.43	11.93	0.00	0.48	0.00				
182	180	Wiley Road	3.00	594.29	1.40	4,416,684	0.79	11.93	0.00	0.26	0.00				
180	178	Wiley Road	3.50	585.97	0.57	4,416,684	1.10	11.93	0.00	0.31	0.00				
178	176	Wiley Road	3.50	524.66	0.19	4,416,684	1.30	11.93	0.00	0.37	0.00				
176	175	Wiley Road	3.50	584.91	0.19	4,416,684	1.32	11.93	0.00	0.38	0.00				
175	373	Wiley Road	3.50	289.47	0.19	4,416,684	1.28	11.93	0.00	0.36	0.00				
373	372	Wiley Road	3.50	115.79	0.19	4,416,684	1.21	11.93	0.00	0.34	0.00				
372	168	Wiley Road	3.50	302.36	0.19	4,416,684	1.27	11.93	0.00	0.36	0.00				
168	166	Wiley Road	3.50	320.42	0.19	4,416,684	1.28	11.93	0.00	0.37	0.00				
166	164	Wiley Road	3.50	426.73	0.19	4,416,684	1.29	11.93	0.00	0.37	0.00				
164	162	Wiley Road	3.50	438.74	0.19	4,416,684	1.29	11.93	0.00	0.37	0.00				
162	160	Wiley Road	3.50	438.74	0.19	4,416,684	1.31	11.93	0.00	0.37	0.00				
160	157	Wiley Road	3.50	300.00	0.19	4,416,684	1.30	11.93	0.00	0.37	0.00				
157	155	Wiley Road	3.50	494.75	0.19	5,750,573	1.50	15.43	0.00	0.43	0.00				
155	153	Wiley Road	3.50	431.11	0.45	5,750,573	1.22	15.43	0.00	0.35	0.00				
153	151	Wiley Road	3.50	593.02	0.89	5,750,573	1.29	15.43	0.00	0.37	0.00				
151	149	Wiley Road	3.50	600.00	0.28	5,750,573	1.56	15.43	0.00	0.45	0.00				
149	371	Wiley Road	3.50	684.38	0.28	6,278,944	1.56	16.94	0.00	0.45	0.00				
371	145	Wiley Road	3.50	344.92	1.30	6,278,944	0.95	16.94	0.00	0.27	0.00				
145	143	Wiley Road	3.50	443.27	1.09	6,278,944	1.78	16.94	0.00	0.51	0.00				
143	141	Main Street	3.50	521.85	0.10	6,278,944	1.78	16.94	0.00	0.51	0.00				
141	139	Main Street	3.50	600.00	0.17	6,278,944	1.81	16.94	0.00	0.52	0.00				
139	137	Main Street	3.50	600.00	0.10	6,278,944	1.83	16.94	0.00	0.52	0.00				
137	345	Main Street	3.50	136.04	0.10	6,278,944	1.83	16.94	0.00	0.52	0.00				
345	135	Main Street	3.50	456.45	0.10	6,278,944	1.82	16.94	0.00	0.52	0.00				
135	133	Main Street	3.50	600.00	0.10	6,278,944	1.82	16.94	0.00	0.52	0.00				
133	128	Main Street	3.50	600.00	0.10	6,278,944	1.81	16.94	0.00	0.52	0.00				
128	127	Main Street	3.75	600.00	0.10	6,278,944	1.77	16.93	0.00	0.47	0.00				
127	130	Main Street	3.75	600.00	0.10	6,278,944	1.75	16.93	0.00	0.47	0.00				
130	125	Main Street	3.75	600.00	0.10	6,278,944	1.76	16.93	0.00	0.47	0.00				
125	123	Main Street	3.75	600.00	0.10	6,278,944	1.76	16.93	0.00	0.47	0.00				

Ultimate Conditions, Wet Weather
Salt Creek Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0.85	Length Exceeding d/D = 1
123	121	Main Street	3.75	73.17	0.10	6,278,944	1.76	16.93	0.00	0.47	0.00				
121	119	Main Street	3.75	265.39	0.10	6,278,944	1.76	16.93	0.00	0.47	0.00				
119	117	Main Street	3.75	73.17	0.10	6,278,944	1.76	16.93	0.00	0.47	0.00				
117	115	Main Street	3.75	199.38	0.10	6,278,944	1.76	16.93	0.00	0.47	0.00				
115	113	Main Street	3.75	600.03	0.10	6,278,944	1.75	16.93	0.00	0.47	0.00				
113	111	Main Street	3.75	600.00	0.10	6,278,944	1.76	16.92	0.00	0.47	0.00				
111	408	Main Street	3.75	228.15	0.10	6,278,944	1.78	16.92	0.00	0.47	0.00				
408	109	Main Street	3.75	371.85	0.10	6,278,944	1.81	16.92	0.00	0.48	0.00				
109	107	Main Street	3.75	146.76	0.10	6,278,944	1.83	16.92	0.00	0.49	0.00				
107	86	Main Street	3.50	955.55	0.10	6,278,944	1.83	16.92	0.00	0.52	0.00				
86	85	Main Street	3.50	566.85	0.10	6,278,944	1.81	16.92	0.00	0.52	0.00				
85	84	Main Street	3.50	287.69	0.10	6,278,944	1.79	16.92	0.00	0.51	0.00				
84	83	Main Street	3.50	399.00	0.10	6,278,944	1.76	16.92	0.00	0.50	0.00				
344	83	Main Street	1.75	18.31	17.64	3,339,755	1.07	8.58	0.00	0.61	0.00				
83	81	Main Street	3.50	269.13	1.49	9,618,699	1.55	24.91	0.00	0.44	0.00				
81	70	Otay Valley Road	3.50	13.04	0.23	9,618,699	1.65	24.91	0.00	0.47	0.00				
70	80	Otay Valley Road	3.50	42.11	0.19	9,618,699	1.64	24.91	0.00	0.47	0.00				
80	79	Otay Valley Road	3.50	57.60	1.25	9,618,699	1.12	24.91	0.00	0.32	0.00				
79	78	Otay Valley Road	3.50	84.80	1.25	9,618,699	1.12	24.91	0.00	0.32	0.00				
78	77	Otay Valley Road	3.50	77.95	1.27	9,618,699	1.11	24.91	0.00	0.32	0.00				
77	76	Otay Valley Road	3.50	293.53	1.39	9,618,699	1.09	24.91	0.00	0.31	0.00				
76	75	Otay Valley Road	3.50	283.01	1.53	9,618,699	1.57	24.91	0.00	0.45	0.00				
75	74	Otay Valley Road	3.50	12.00	0.25	9,618,699	1.67	24.91	0.00	0.48	0.00				
74	73	Otay Valley Road	3.50	84.00	0.25	9,618,699	1.66	24.91	0.00	0.48	0.00				
73	82	Otay Valley Road	3.50	212.52	0.25	9,618,699	1.67	24.91	0.00	0.48	0.00				
82	72	Otay Valley Road	3.50	172.00	0.25	9,618,699	1.72	24.91	0.00	0.49	0.00				
72	71	Otay Valley Road	3.50	133.42	0.25	9,618,699	1.75	24.91	0.00	0.50	0.00				
71	55	Otay Valley Road	3.50	400.72	0.22	9,618,699	1.85	24.91	0.00	0.53	0.00				
55	54	Otay Valley Road	3.50	18.18	0.22	9,618,699	1.63	24.91	0.00	0.47	0.00				
54	62	Date Street	3.50	78.37	0.32	9,618,699	1.59	24.91	0.00	0.45	0.00				
62	61	Date Street	3.50	8.00	1.50	9,618,699	1.52	24.91	0.00	0.43	0.00				
61	53	Main Street	3.50	204.72	1.06	9,618,699	1.17	24.91	0.00	0.33	0.00				
53	65	Main Street	3.50	129.73	1.11	9,618,699	1.52	24.91	0.00	0.43	0.00				
65	66	Main Street	3.50	532.35	0.34	9,618,699	1.62	24.91	0.00	0.46	0.00				
66	60	Main Street	3.50	497.04	1.35	9,618,699	1.10	24.91	0.00	0.31	0.00				
60	59	Main Street	3.50	26.77	1.27	9,618,699	1.15	24.91	0.00	0.33	0.00				
59	58	Main Street	3.50	502.70	1.10	9,618,699	1.66	24.91	0.00	0.47	0.00				
58	57	Main Street	3.50	600.00	0.28	9,618,699	1.76	24.91	0.00	0.50	0.00				
57	68	Main Street	3.50	584.68	1.24	9,618,699	1.12	24.91	0.00	0.32	0.00				
68	67	Main Street	3.50	579.67	1.23	9,618,699	1.12	24.91	0.00	0.32	0.00				
67	56	Main Street	3.50	41.58	2.02	9,618,699	1.00	24.91	0.00	0.29	0.00				
56	63	Main Street	3.50	504.48	1.34	9,618,699	1.10	24.91	0.00	0.31	0.00				
63	64	Main Street	3.50	467.01	0.97	9,618,699	1.41	24.91	0.00	0.40	0.00				
64	69	Main Street	3.50	65.85	0.41	9,618,699	1.51	24.91	0.00	0.43	0.00				
69	100	Main Street	3.50	600.00	0.41	9,618,699	1.74	24.91	0.00	0.50	0.00				
100	99	Main Street	3.50	585.71	0.21	9,618,699	1.84	24.91	0.00	0.53	0.00				
99	98	Main Street	3.50	585.71	0.21	9,618,699	1.91	24.91	0.00	0.55	0.00				
98	97	Main Street	3.50	594.74	0.76	9,618,699	1.36	24.91	0.00	0.39	0.00				
97	96	Main Street	3.50	589.36	0.47	9,618,699	1.46	24.91	0.00	0.42	0.00				

Ultimate Conditions, Wet Weather
Salt Creek Model

U/S Node	D/S Node	Street Name	Diameter (ft)	Length (ft)	Slope (%)	Average Flow (gpd)	Max Depth (ft)	Peak Flow (cfs)	Flood Loss (cfs)	d/D	Time (hr)	Max Surcharge Depth above crown (ft)	Max Surcharge Freeboard to MH rim (ft)	Length Exceeding d/D = 0 85	Length Exceeding d/D = 1
96	95	Main Street	3.50	51.06	0.47	9,618,699	1.45	24.91	0.00	0.42	0.00				
95	101	Main Street	3.50	247.54	0.61	9,618,699	1.35	24.91	0.00	0.39	0.00				
101	87	Main Street	3.50	593.44	0.61	9,618,699	1.35	24.91	0.00	0.39	0.00				
87	90	Main Street	3.50	600.00	0.90	9,618,699	1.22	24.91	0.00	0.35	0.00				
90	92	Main Street	3.50	575.00	0.73	9,618,699	1.46	24.91	0.00	0.42	0.00				
92	91	Main Street	3.50	44.12	0.34	9,618,699	1.56	24.91	0.00	0.45	0.00				
91	93	Main Street	3.50	155.88	0.34	9,618,699	1.59	24.91	0.00	0.45	0.00				
93	89	Main Street	3.50	528.13	0.64	9,618,699	1.57	24.91	0.00	0.45	0.00				
89	94	Main Street	3.50	375.00	0.36	9,618,699	1.93	24.91	0.00	0.55	0.00				
94	369	Main Street	3.50	686.96	0.24	9,618,699	2.03	24.91	0.00	0.58	0.00				
369	88	Main Street	3.50	204.48	2.68	9,618,699	1.45	24.91	0.00	0.41	0.00				
88	105	Main Street	3.50	1110.44	0.38	9,618,699	1.55	24.91	0.00	0.44	0.00				