

Storm Sewer Summary Report

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Line No.	Line ID	Flow rate (cfs)	Line Size (in)	Line shape	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line Slope (%)	HGL Down (ft)	HGL Up (ft)	Minor loss (ft)	HGL Junct (ft)	Dns Line No.	Junction Type
1	EX FI	28.19	42	Cir	62.470	996.11	996.22	0.176	999.61	999.66	0.25	999.91	End	DropCurb
2	1-1	11.08	42	Cir	220.420	996.65	996.00	0.612	999.91	999.01	0.18	999.01	1	DropCurb
3	1-2	1.53	42	Cir	208.700	998.20	999.50	0.623	999.01	999.87	n/a	999.87 j	2	OpenHeadwall
4	2-1	17.03	36	Cir	21.810	996.42	996.55	0.596	999.91*	999.92*	0.12	1000.04	1	Curb-Horiz
5	2-2	16.43	36	Cir	31.000	996.75	996.95	0.645	1000.04*	1000.06*	0.07	1000.13	4	Curb-Horiz
6	2-3	14.17	36	Cir	68.760	997.15	997.57	0.611	1000.13	998.77	0.37	998.77	5	DropCurb
7	2-4	12.72	30	Cir	316.660	998.57	1000.47	0.600	999.67	1001.67	n/a	1001.67	6	DropCurb
8	2-5	8.61	24	Cir	368.000	1000.67	1003.63	0.804	1001.67	1004.69	n/a	1004.69	7	DropCurb
9	2-6	0.71	15	Cir	171.300	1004.38	1008.30	2.288	1004.69	1008.63	0.12	1008.63	8	DropCurb
10	4-1	8.07	24	Cir	134.090	1004.13	1004.93	0.597	1005.09	1005.94	0.60	1005.94	8	Curb-Horiz
11	4-2	6.68	24	Cir	31.000	1005.43	1005.62	0.613	1006.28	1006.54	n/a	1006.54	10	Curb-Horiz
12	4-3	3.34	18	Cir	33.190	1006.12	1006.32	0.603	1006.79	1007.02	n/a	1007.02	11	Curb-Horiz
13	4-4	1.85	15	Cir	30.500	1006.82	1007.01	0.623	1007.34	1007.55	n/a	1007.55	12	Curb-Horiz
14	4-5	0.56	15	Cir	121.150	1007.51	1009.00	1.230	1007.75	1009.29	n/a	1009.29	13	Curb-Horiz
15	5-2	19.28	60	Cir	122.210	1000.75	1001.50	0.614	1006.66*	1006.67*	0.01	1006.68	End	Manhole
16	5-3	19.90	48	Cir	129.500	1002.00	1002.78	0.602	1006.68	1006.70	0.05	1006.76	15	Curb-Horiz
17	5-4	19.90	48	Cir	151.940	1003.28	1004.20	0.605	1006.76	1005.51	n/a	1005.51	16	Curb-Horiz
18	5-5	17.64	42	Cir	124.560	1004.70	1005.45	0.602	1005.83	1006.73	n/a	1006.73	17	DropCurb
19	5-6	12.74	36	Cir	115.630	1005.95	1006.65	0.604	1006.96	1007.78	0.42	1007.78	18	DropCurb
20	6-2	22.33	36	Cir	74.540	998.00	998.45	0.604	999.77	999.97	n/a	999.97 j	End	Curb-Horiz
21	6-3	20.39	36	Cir	36.160	998.95	999.15	0.553	1000.29	1000.60	0.85	1000.60	20	Curb-Horiz
22	6-4	17.77	36	Cir	285.200	999.65	1001.35	0.596	1000.87	1002.70	n/a	1002.70	21	Curb-Horiz
23	6-5	1.94	15	Cir	31.070	1003.10	1005.00	6.115	1003.40	1005.56	n/a	1005.56	22	Curb-Horiz
24	3-1	15.10	36	Cir	124.500	1001.85	1002.60	0.602	1002.96	1003.84	0.70	1003.84	22	DropCurb

Project File: MANOR 2 PIPE STUDY.stm

Number of lines: 29

Run Date: 4/14/2017

NOTES: Return period = 10 Yrs. ; *Surcharged (HGL above crown). ; j - Line contains hyd. jump.

Storm Sewers v10.40

Inlet Report

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Line No	Inlet ID	Q = CIA	Q carry	Q capt	Q Byp	Junc Type	Curb Inlet		Grate Inlet			Gutter						Inlet			Byp Line No	
		(cfs)	(cfs)	(cfs)	(cfs)		Ht (in)	L (ft)	Area (sqft)	L (ft)	W (ft)	So (ft/ft)	W (ft)	Sw (ft/ft)	Sx (ft/ft)	n	Depth (ft)	Spread (ft)	Depth (ft)	Spread (ft)		Depr (in)
1	EX FI	1.03	0.00	1.03	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.09	4.68	0.09	4.68	0.0	Off
2	1-1	9.68*	0.00	9.68	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.013	0.42	20.82	0.42	20.82	0.0	Off
3	1-2	1.53	0.00	1.53	0.00	Hdwl	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.0	Off
4	2-1	0.89	0.09	0.54	0.44	Curb	10.0	5.00	0.00	0.00	0.020	2.00	0.050	0.020	0.013	0.16	4.96	0.12	3.11	0.00	Off	
5	2-2	2.59	0.00	0.92	1.67	Curb	10.0	5.00	0.00	0.00	0.00	0.020	2.00	0.050	0.020	0.013	0.22	7.81	0.19	6.41	0.0	Off
6	2-3	2.12	0.00	2.12	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.15	7.57	0.15	7.57	0.0	Off
7	2-4	5.01	0.00	5.01	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.27	13.42	0.27	13.42	0.0	Off
8	2-5	0.30	0.00	0.30	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.013	0.04	2.05	0.04	2.05	0.0	Off
9	2-6	0.71	0.00	0.71	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.013	0.07	3.63	0.07	3.63	0.0	Off
10	4-1	1.45	0.00	1.45	0.00	Curb	10.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.013	0.21	7.51	0.21	7.51	0.0	Off
11	4-2	3.72	0.00	3.72	0.00	Curb	10.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.013	0.39	16.71	0.39	16.71	0.0	Off
12	4-3	1.67	0.00	1.67	0.00	Curb	10.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.013	0.23	8.58	0.23	8.58	0.0	Off
13	4-4	1.40	0.18	1.57	0.00	Curb	10.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.22	8.12	0.22	8.12	0.0	Off
14	4-5	0.56	0.00	0.38	0.18	Curb	10.0	5.00	0.00	0.00	0.00	0.020	2.00	0.050	0.020	0.013	0.13	3.61	0.09	1.74	0.0	13
15	5-2	0.00	0.00	0.00	0.00	MH	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.013	0.00	0.00	0.00	0.00	0.0	Off
16	5-3	0.39	0.00	0.30	0.09	Curb	10.0	5.00	0.00	0.00	0.020	2.00	0.050	0.020	0.013	0.12	2.81	0.07	1.36	0.0	4	
17	5-4	2.71	0.00	2.71	0.00	Curb	10.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.32	12.95	0.32	12.95	0.0	Off
18	5-5	5.65	0.00	5.65	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.29	14.54	0.29	14.54	0.0	Off
19	5-6	12.74	0.00	12.74	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.50	25.00	0.50	25.00	0.0	Off
20	6-2	2.28	0.00	0.73	1.55	Curb	10.0	5.00	0.00	0.00	0.00	0.040	2.00	0.050	0.020	0.013	0.19	6.31	0.16	5.21	0.0	Off
21	6-3	3.13	0.00	1.19	1.94	Curb	10.0	5.00	0.00	0.00	0.00	0.010	2.00	0.050	0.020	0.013	0.26	9.76	0.22	8.01	0.0	Off
22	6-4	1.47	0.00	1.47	0.00	Curb	10.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.21	7.63	0.21	7.63	0.0	Off
23	6-5	1.94	0.00	1.94	0.00	Curb	10.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.26	9.80	0.26	9.80	0.0	Off

Project File: MANOR 2 PIPE STUDY.stm

Number of lines: 29

Run Date: 4/14/2017

NOTES: Inlet N-Values = 0.016; Intensity = 125.13 / (inlet time + 18.20) ^ 0.91; Return period = 10 Yrs. ; * Indicates Known Q added. All curb inlets are Horiz throat.

Storm Sewers v10.40

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25	3-2	14.05	30	Cir	38.330	1003.10	1003.35	0.652	1004.24	1004.61	0.75	1004.61	24	DropCurb
26	3-3	13.12	30	Cir	170.580	1003.85	1004.87	0.598	1004.97	1006.09	0.24	1006.09	25	DropCurb
27	3-4	9.59	24	Cir	168.990	1005.12	1006.14	0.604	1006.17	1007.25	n/a	1007.25	26	DropCurb
28	3-5	1.34	18	Cir	170.610	1006.39	1007.41	0.598	1007.25	1007.84	n/a	1007.84 j	27	DropCurb
29	8-1	4.44	18	Cir	90.000	1006.64	1007.85	1.344	1007.27	1008.66	n/a	1008.66	27	DropCurb

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		(cfs)	(cfs)	(cfs)	(cfs)		Ht (in)	L (ft)	Area (sqft)	L (ft)	W (ft)	So (ft/ft)	W (ft)	Sw (ft/ft)	Sx (ft/ft)	n	Depth (ft)	Spread (ft)	Depth (ft)	Spread (ft)	Depr (in)	
24	3-1	1.43	0.00	1.43	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.12	5.81	0.12	5.81	0.0	Off
25	3-2	1.43	0.00	1.43	0.00	DrCrb	4.0	2.47	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.33	inf.00	0.33	inf.00	0.0	Off
26	3-3	4.03	0.00	4.03	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.23	11.61	0.23	11.61	0.0	Off
27	3-4	5.04	0.00	5.04	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.27	13.47	0.27	13.47	0.0	Off
28	3-5	1.34	0.00	1.34	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.11	5.57	0.11	5.57	0.0	Off
29	8-1	4.44	0.00	4.44	0.00	DrCrb	10.0	12.00	0.00	0.00	0.00	Sag	0.00	0.020	0.020	0.000	0.25	12.37	0.25	12.37	0.0	Off

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