

Storm Sewer Summary Report

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	A2-4	77.80	48x108	Box	40.045	609.75	609.92	0.424	610.97	611.24	0.33	611.24	End	Curb-
2	A2-5	73.06	48x108	Box	34.667	609.92	610.12	0.577	611.24	611.39	n/a	611.39	1	Curb-
3	A2-6	68.32	48x108	Box	22.667	610.12	610.26	0.618	611.39	611.47	n/a	611.47	2	Manhole
4	A4-1	16.83	24x48	Box	32.313	607.86	608.08	0.681	608.56	608.90	n/a	608.90	End	Curb-
5	A4-2	13.02	24x48	Box	34.674	608.08	608.30	0.634	608.90	608.99	0.17	608.99	4	Curb-
6	A4-3	9.21	24x48	Box	32.137	608.16	608.77	1.898	608.99	609.32	0.27	609.32	5	Manhole
7	A3-1	7.40	36	Cir	29.459	606.28	606.45	0.577	607.06	607.31	0.31	607.31	End	Curb-
8	A2-1	94.34	60x96	Box	23.083	604.08	604.25	0.736	605.34	605.88	n/a	605.88	End	Curb-
9	A2-2	92.21	60x96	Box	89.151	604.25	604.87	0.695	605.88	606.47	n/a	606.47 j	8	Curb-
10	A2-3	90.08	60x96	Box	25.821	604.87	605.07	0.775	606.47	606.65	0.79	606.65	9	Manhole
Project File: 031.060_STRM NTWK 2YR.stm									Number of lines: 10				Run Date: 7/20/2020	
NOTES: Return period = 2 Yrs. ; j - Line contains hyd. jump.														

Inlet Report

Line No	Inlet ID	Q = CIA (cfs)	Q carry (cfs)	Q capt (cfs)	Q Byp (cfs)	Junc Type	Curb Inlet		Grate Inlet			Gutter							Inlet			Byp Line No
							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	15' INLET A2-3	4.74*	0.00	4.74	0.00	Curb	4.0	15.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.29	11.53	0.29	11.53	0.0	Off
2	10' INLET A2-4	4.74*	0.00	4.74	0.00	Curb	4.0	10.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.34	14.20	0.34	14.20	0.0	Off
3	HEADWALL A2-3	68.32*	0.00	0.00	68.32	MH	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	10' INLET A4-1	3.81*	0.00	3.81	0.00	Curb	4.0	10.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.31	12.28	0.31	12.28	0.0	Off
5	10' INLET A4-2	3.81*	0.00	3.81	0.00	Curb	4.0	10.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.31	12.28	0.31	12.28	0.0	Off
6	HEADWALL A4-2	9.21*	0.00	0.00	9.21	MH	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
7	20' INLET A3-1	7.40*	0.00	7.40	0.00	Curb	4.0	20.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.32	13.24	0.32	13.24	0.0	Off
8	5' INLET A2-1	2.13*	0.00	2.13	0.00	Curb	4.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.29	11.31	0.29	11.31	0.0	Off
9	5' INLET A2-2	2.13*	0.00	2.13	0.00	Curb	4.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.29	11.31	0.29	11.31	0.0	Off
10	A2-2 HEADWALL	90.08*	0.00	0.00	90.08	MH	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
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NOTES: Inlet N-Values = 0.016; Intensity = 69.87 / (Inlet time + 13.10) ^ 0.87; Return period = 2 Yrs. ; * Indicates Known Q added. All curb inlets are throat.																						

Line No.	Line ID	Flow Rate	Known Q	Vel Ave	HGL Dn	HGL Up	Crit Depth			
		(cfs)	(cfs)	(ft/s)	(ft)	(ft)	(ft)			
1	A2-4	77.80	4.74	6.81	610.97	611.24	1.32			
2	A2-5	73.06	4.74	6.26	611.24	611.39	1.27			
3	A2-6	68.32	68.32	6.11	611.39	611.47	1.21			
4	A4-1	16.83	3.81	5.57	608.56	608.90	0.82			
5	A4-2	13.02	3.81	4.34	608.90	608.99	0.69			
6	A4-3	9.21	9.21	3.48	608.99	609.32	0.55			
7	A3-1	7.40	7.40	4.78	607.06	607.31	0.86			
8	A2-1	94.34	2.13	8.30	605.34	605.88	1.63			
9	A2-2	92.21	2.13	7.13	605.88	606.47 j	1.60			
10	A2-3	90.08	90.08	7.08	606.47	606.65	1.58			
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NOTES: ** Critical depth										