

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	305.5	48x108	Box	40.045	609.75	609.92	0.424	613.75	613.79	0.60	614.39	End	Curb-
2	A2-5	286.9	48x108	Box	34.667	609.92	610.12	0.577	614.39*	614.50*	0.49	614.99	1	Curb-
3	A2-6	268.4	48x108	Box	22.667	610.12	610.26	0.618	614.99*	615.05*	0.86	615.92	2	Manhole
4	A4-1	65.82	24x48	Box	32.313	607.86	608.08	0.681	609.86	610.08	n/a	610.08	End	Curb-
5	A4-2	50.94	24x48	Box	34.674	608.08	608.30	0.634	610.08	610.09	0.39	610.48	4	Curb-
6	A4-3	36.06	24x48	Box	32.137	608.16	608.77	1.898	610.48	610.50	0.42	610.92	5	Manhole
7	A3-1	29.01	36	Cir	29.459	606.28	606.45	0.577	609.28	609.32	0.27	609.59	End	Curb-
8	A2-1	370.4	60x96	Box	23.083	604.08	604.25	0.736	609.08	609.09	0.71	609.80	End	Curb-
9	A2-2	362.1	60x96	Box	89.151	604.25	604.87	0.695	609.80*	610.12*	0.64	610.75	8	Curb-
10	A2-3	353.7	60x96	Box	25.821	604.87	605.07	0.775	610.75*	610.84*	1.22	612.06	9	Manhole
Project File: 031.060_STRM NTWK 50YR.stm									Number of lines: 10			Run Date: 7/15/2020		
NOTES: Return period = 50 Yrs. ; *Surcharged (HGL above crown).														

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	18.56*	0.00	18.56	0.00	Curb	4.0	15.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.63	28.65	0.63	28.65	0.0	Off
2	10' INLET A2-4	18.56*	0.00	18.56	0.00	Curb	4.0	10.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.97	45.39	0.97	45.39	0.0	Off
3	HEADWALL A2-3	268.36*	0.00	0.00	268.36	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	14.88*	0.00	14.88	0.00	Curb	4.0	10.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.69	31.62	0.69	31.62	0.0	Off
5	10' INLET A4-2	14.88*	0.00	14.88	0.00	Curb	4.0	10.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.69	31.62	0.69	31.62	0.0	Off
6	HEADWALL A4-2	36.06*	0.00	0.00	36.06	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	29.01*	0.00	29.01	0.00	Curb	4.0	20.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.67	30.38	0.67	30.38	0.0	Off
8	5' INLET A2-1	8.34*	0.00	8.34	0.00	Curb	4.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.82	37.98	0.82	37.98	0.0	Off
9	5' INLET A2-2	8.34*	0.00	8.34	0.00	Curb	4.0	5.00	0.00	0.00	0.00	Sag	2.00	0.050	0.020	0.000	0.82	37.98	0.82	37.98	0.0	Off
10	A2-2 HEADWALL	353.73*	0.00	0.00	353.73	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
Project File: 031.060_STRM NTWK 50YR.stm														Number of lines: 10				Run Date: 7/15/2020				
NOTES: Inlet N-Values = 0.016; Intensity = 114.82 / (Inlet time + 17.20) ^ 0.82; Return period = 50 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	305.48	18.56	8.63	613.75	613.79	3.29			
2	A2-5	286.92	18.56	7.97	614.39	614.50	3.16			
3	A2-6	268.36	268.36	7.45	614.99	615.05	3.02			
4	A4-1	65.82	14.88	8.23	609.86	610.08	2.00			
5	A4-2	50.94	14.88	6.74	610.08	610.09	1.71			
6	A4-3	36.06	36.06	4.87	610.48	610.50	1.36			
7	A3-1	29.01	29.01	4.13	609.28	609.32	1.74			
8	A2-1	370.41	8.34	9.41	609.08	609.09	4.05			
9	A2-2	362.07	8.34	9.05	609.80	610.12	3.99			
10	A2-3	353.73	353.73	8.84	610.75	610.84	3.93			
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NOTES: ** Critical depth										