

C:\projects\1699\1699-Storm-Ph II-EXISTING-STM.dwg PLOT FILED IN: C:\projects\1699\1699-Storm-Ph II-EXISTING-STM.dwg PLOT DATE: 11/13/2016 2:30:38 PM

EXISTING 10-YR STORM CHART

LineNo	LineID	InletID	JunctType	DrainageArea (ac)	TotalArea (ac)	InletTime (min)	Inlet (in/hr)	IncrQ (cfs)	KnownQ (cfs)	FlowRate (cfs)	CapacityFull (cfs)	Vel/Ave (ft/s)	InvertDn (ft)	InvertUp (ft)	LineSize (in)	LineLength (ft)	LineSlope (%)	HGLDn (ft)	HGLUp (ft)	HGLJct (ft)	Gnd/RimElev Dn (ft)	Gnd/RimElev Up (ft)	RunoffCoeff (C)	InletDepth (ft)	n-valuePipe	Material	
1	EX #44	EX #44	Dp-Grate	0.68	11.35	5.00	7.63	4.88	0.00	66.77	71.17	7.62	4.40	4.81	42	41.97	0.11	7.43	7.57	8.49	0.00	9.89	0.94	0.32	0.013	RCP	
2	EX #45	EX #45	Dp-Grate	1.40	10.03	5.00	7.63	8.87	0.00	59.61	33.99	6.20	4.61	4.79	42	157.73	0.11	8.49	9.04	9.34	0.00	9.89	0.83	0.47	0.013	RCP	
3	EX #46	EX #46	Dp-Grate	0.66	8.63	5.00	7.63	4.18	0.00	52.05	24.82	10.61	4.79	5.20	30	111.91	0.37	9.34	11.14	12.02	0.00	9.83	0.83	0.29	0.013	RCP	
4	EX #47	EX #47	Dp-Grate	0.37	7.97	5.00	7.63	2.46	0.00	48.65	21.27	9.91	5.20	5.49	30	107.77	0.27	12.24	13.76	15.83	0.00	9.83	0.93	0.87	0.29	0.013	RCP
5	EX #50	EX #50	Dp-Grate	0.94	4.16	5.00	7.63	6.67	0.00	25.30	15.43	8.05	5.49	6.03	24	116.06	0.47	16.35	17.80	19.32	0.00	9.89	0.93	0.39	0.013	RCP	
6	EX #51	EX #51	Dp-Grate	0.59	2.91	5.00	7.63	4.19	0.00	17.37	13.40	5.53	6.03	6.41	24	108.21	0.35	18.85	20.49	20.73	0.00	9.89	0.93	0.29	0.013	RCP	
7	EX #52	EX #52	Dp-Grate	1.45	2.32	5.00	7.63	8.63	0.00	13.72	13.82	4.37	6.41	6.80	24	107.55	0.36	20.91	21.30	21.50	0.00	9.98	0.95	0.78	0.47	0.013	RCP
8	EX #52.1	EX #52.1	Dp-Grate	0.09	0.87	5.00	7.63	0.64	0.00	5.72	6.14	3.24	6.80	7.22	18	122.96	0.34	21.64	22.00	22.35	0.00	9.95	11.75	0.93	0.08	0.013	RCP
9	EX #53	EX #53	Dp-Grate	0.30	0.30	5.00	7.63	2.06	0.00	2.06	4.13	2.82	9.42	10.32	12	67.01	1.34	22.40	22.63	22.74	11.75	12.23	0.90	0.16	0.013	RCP	
10	EX #48	EX #48	Dp-Grate	1.69	3.44	5.00	7.63	11.87	0.00	22.53	13.32	7.17	5.49	6.27	24	225.00	0.35	16.56	18.79	19.88	0.00	9.93	10.29	0.92	0.58	0.013	RCP
11	EX #49	EX #49	Dp-Grate	1.37	1.75	5.00	7.63	9.41	0.00	11.56	7.45	6.54	6.27	7.73	18	289.95	0.50	20.02	23.53	23.86	10.29	9.78	0.90	0.49	0.013	RCP	
12	EX #49.1	EX #49.1	Dp-Grate	0.38	0.38	5.00	7.63	2.29	0.00	2.29	2.50	2.92	7.73	7.96	12	46.53	0.49	24.40	24.59	24.72	9.78	11.71	0.79	0.19	0.013	RCP	
13	EX #54	EX #54	Dp-Grate	0.48	0.48	5.00	7.63	3.19	0.00	3.19	4.19	1.80	7.22	7.33	18	69.20	0.16	22.46	22.52	22.57	11.75	11.43	0.87	0.24	0.013	RCP	
14	EX #55	EX #55	Dp-Grate	0.31	0.31	5.00	7.63	2.25	0.00	2.25	2.39	2.85	5.03	7.27	12	276.18	0.45	20.20	21.30	21.43	0.00	9.89	11.48	0.95	0.19	0.013	RCP
15	EX #43	EX #43	Dp-Grate	0.49	0.64	5.00	7.63	3.55	0.00	4.00	0.00	5.09	4.61	4.61	12	75.78	0.00	8.49	9.44	10.00	0.00	9.89	0.95	0.26	0.013	RCP	
16	EX #42	EX #42	Dp-Grate	0.05	0.15	5.00	7.63	0.25	0.00	0.81	4.70	1.03	4.61	5.63	12	58.57	1.74	10.39	10.42	10.44	0.00	9.89	10.90	0.90	0.04	0.013	RCP
17	EX #41	EX #41	Dp-Grate	0.10	0.10	5.00	7.63	0.61	0.00	0.61	0.79	0.78	5.63	5.66	12	61.71	0.05	10.45	10.46	10.47	10.00	10.63	0.80	0.08	0.013	RCP	
18	EX #56.2	EX #56.2	MH	0.00	3.56	5.00	0.00	0.00	0.00	20.75	47.30	4.88	3.40	3.91	36	101.38	0.50	5.63	5.37	6.13	0.00	8.61	0.00	0.00	0.013	RCP	
19	EX #57	EX #57	Dp-Grate	1.29	1.36	5.00	7.63	9.36	0.00	8.64	51.24	3.10	3.91	6.26	36	398.07	0.59	6.13	7.19	7.60	0.00	8.61	0.95	0.49	0.013	RCP	
20	EX #57.1	EX #57.1	MH	0.00	0.07	5.00	0.00	0.00	0.00	0.51	77.41	1.18	6.26	9.15	36	214.52	1.35	7.90	9.37	9.45	10.17	13.00	0.00	0.00	0.013	RCP	
21	EX #58	EX #58	Dp-Grate	0.07	0.07	5.00	7.63	0.51	0.00	0.51	10.19	2.21	9.15	9.21	18	6.37	0.94	9.45	9.47	9.58	13.58	11.13	0.00	0.07	0.013	RCP	
22	EX #56.1	EX #56.1	Comb	0.36	2.20	5.00	7.63	2.45	0.00	15.78	6.91	8.93	5.82	5.84	18	4.61	0.43	7.32	7.42	9.82	0.00	8.92	0.89	0.33	0.013	RCP	
23	EX #56	EX #56	Dp-Grate	1.84	1.84	5.00	7.63	13.34	0.00	13.34	30.28	7.55	5.84	6.22	18	4.57	8.31	9.82	9.88	10.78	0.00	8.92	0.95	0.62	0.013	RCP	

Project File: 2014169-Storm-PH II-EXISTING.stm NOTES: Intensity = 73.898 / (Inlet time + 12.2)^0.798; Return Period = 10 Yrs Hydraul Storm Sewers v10.40 NOTE: PIPE CHART IS FOR REFERENCE ONLY AND PROFILES TAKE PRECEDENCE OVER PIPE CHART

PROPOSED 10-YR STORM CHART

LineNo	LineID	InletID	JunctType	DrainageArea (ac)	TotalArea (ac)	InletTime (min)	Inlet (in/hr)	IncrQ (cfs)	KnownQ (cfs)	FlowRate (cfs)	CapacityFull (cfs)	Vel/Ave (ft/s)	InvertDn (ft)	InvertUp (ft)	LineSize (in)	LineLength (ft)	LineSlope (%)	HGLDn (ft)	HGLUp (ft)	HGLJct (ft)	Gnd/RimElev Dn (ft)	Gnd/RimElev Up (ft)	RunoffCoeff (C)	InletDepth (ft)	n-valuePipe	Material
1	EX #44	EX #44	Dp-Grate	0.68	13.39	5.00	7.63	4.88	0.00	60.04	71.98	7.05	4.40	4.61	42	41.03	0.11	7.36	7.45	8.21	0.00	9.89	0.94	0.32	0.013	RCP
2	AA-1	AA-1	Dp-Grate	0.24	12.16	5.00	7.63	1.61	0.00	54.40	33.10	5.66	4.61	4.67	42	55.44	0.11	8.12	8.28	8.99	0.00	9.89	10.28	0.88	0.013	RCP
3	CST-1B	CST-1B	MH	0.00	11.92	5.00	0.00	0.00	0.00	53.37	52.38	5.55	4.68	4.71	42	11.07	0.27	9.01	9.22	10.28	10.81	0.00	0.00	0.013	CLASS III RCP	
4	CST-1B.1	CST-1B.1	MH	0.00	11.92	5.00	0.00	0.00	0.00	53.43	52.38	5.55	4.71	4.71	42	11.07	0.27	9.01	9.22	10.28	10.81	0.00	0.00	0.013	CLASS III RCP	
5	CST-1A	CST-1A	MH	0.00	11.92	5.00	0.00	0.00	0.00	53.44	52.38	5.55	4.71	4.71	42	11.07	0.27	9.01	9.22	10.28	10.81	0.00	0.00	0.013	CLASS III RCP	
6	CST-1A.1	CST-1A.1	MH	0.00	11.92	5.00	0.00	0.00	0.00	53.50	88.24	5.56	4.71	4.81	42	11.07	0.27	9.01	9.41	9.45	9.52	10.82	10.82	0.00	0.013	CLASS III RCP
7	AA-2	AA-2	MH	0.00	11.92	5.00	0.00	0.00	0.00	53.51	57.68	5.56	4.81	4.82	42	11.07	0.27	9.01	9.52	9.53	10.01	10.82	10.84	0.00	0.013	CLASS III RCP
8	AA-3	AA-3	Dp-Grate	0.21	11.92	5.00	7.63	1.38	0.00	53.55	55.02	5.57	4.82	4.85	42	10.03	0.30	10.01	10.04	11.11	10.84	9.93	0.88	0.013	CLASS III RCP	
9	AB-1	AB-1	Dp-Grate	0.04	7.71	5.00	7.63	0.26	0.00	34.70	38.66	3.53	4.85	5.03	34	34 x 53	124.00	0.14	11.59	11.74	12.03	9.93	10.20	0.88	0.013	CLASS III RCP
10	AB-2	AB-2	Dp-Grate	0.25	6.94	5.00	7.63	1.70	0.00	30.99	26.37	4.35	5.03	5.03	24	29 x 45	25.25	0.16	12.22	12.28	12.47	10.20	9.93	0.89	0.013	CLASS III RCP
11	AB-3	AB-3	MH	0.00	6.69	5.00	0.00	0.00	0.00	30.39	25.53	4.27	5.07	5.07	24	29 x 45	168.31	0.15	12.77	13.12	13.39	9.93	11.47	0.00	0.013	CLASS III RCP
12	AB-4	AB-4	MH	0.00	6.69	5.00	0.00	0.00	0.00	31.36	25.59	4.40	5.32	5.71	24	29 x 45	261.38	0.15	13.67	14.25	14.45	11.47	11.42	0.00	0.013	CLASS III RCP
13	AB-5	AB-5	Dp-Grate	1.15	6.69	5.00	7.63	7.90	0.00	32.21	33.53	5.71	6.10	6.10	24	29 x 45	255.19	0.15	14.75	15.35	15.81	11.42	10.30	0.90	0.013	CLASS III RCP
14	EX #51	EX #51	Dp-Grate	1.21	3.76	5.00	7.63	8.41	0.00	17.17	17.17	6.10	6.41	6.41	24	198.98	0.16	15.81	17.24	18.11	10.30	9.93	0.91	0.013	RCP	
15	EX #52	EX #52	Dp-Grate	0.83	1.65	5.00	7.63	5.51	0.00	13.91	13.91	6.41	6.80	6.80	24	107.65	0.36	18.54	18.74	18.83	9.93	10.05	0.87	0.013	RCP	
16	EX #52.1	EX #52.1	Dp-Grate	0.09	0.72	5.00	7.63	0.64	0.00	4.81	6.81	8.80	7.22	7.22	18	122.93	0.34	18.87	19.11	19.33	10.05	11.75	0.93	0.013	RCP	
17	EX #53	EX #53	Dp-Grate	0.30	0.30	5.00	7.63	2.06	0.00	2.06	2.63	9.42	10.32	12	66.68	1.35	19.33	19.66	19.67	11.75	12.49	0.90	0.013	RCP		
18	AF-1	AF-1	MH	0.00	0.11	5.00	0.00	0.00	0.00	0.67	0.67	0.85	7.41	8.25	12	167.27	0.50	18.68	18.73	18.74	9.93	12.54	0.00	0.012	HDPE	
19	AF-1.2	AF-1.2	MH	0.00	0.02	5.00	7.63	0.00	0.00	0.15	2.64	0.18	8.25	8.40	12	31.47	0.48	18.75	18.75	18.75	12.54	12.53	0.95	0.012	HDPE	
20	AF-1.1	AF-1.1	MH	0.00	0.09	5.00	7.63	0.00	0.00	0.65	2.72	0.83	8.25	9.28	12	207.01	0.50	18.74	18.80	18.81	12.54	12.42	0.95	0.012	HDPE	
21	EX #49	EX #49	Dp-Grate	1.40	1.78	5.00	7.63	9.91	0.00	10.08	7.41	5.70	6.88	7.73	18	170.75	0.50	15.81	17.38	17.64	10.30	9.78	0.74	0.013	RCP	
22	EX #49.1	EX #49.1	Dp-Grate	0.38	0.38	5.00	7.63	2.29	0.00	2.29	2.51	2.92	7.73	7.96	12	46.46	0.50	18.01	18.20	18.33	9.78	11.70	0.79	0.013	RCP	
23	AB-6	AB-6	MH	0.00	0.89	5.00	0.00	0.00	0.00	5.81	15.94	1.85	6.41	6.96	24	110.76	0.50	18.63	18.71	18.75	9.93	12.09	0.00	0.013	CLASS III RCP	
24	AB-7	AB-7	Dp-Grate	0.39	0.39	5.0																				