



**STORM PIPE PROFILES**

SCALE: HOR = 1" = 30'  
VER = 1" = 10'

MINIMUM COVER REQUIRED: 2 FT  
(PIPES SIZED FOR 25 YR. STORM)

**25 YEAR STORM PIPE CHART**

Line ID	Line Length (ft)	Incr. Area (ac)	Total Area (ac)	Runoff Coeff. (C)	Incr. x A	Total C x A	Inlet Time (min)	Time Conc. (min)	Rnfall Int. (in/hr)	Total Flow (cfs)	Capac Full (cfs)	Vel. (ft/s)	Pipe Size (in)	Pipe Slope (%)	Inlet Elev. (ft)	Inv Elev. (ft)	HGLDn (ft)	HGLUp (ft)	Grnd/RimDn (ft)	Grnd/RimUp (ft)	Line ID
A2-A1	61	0.08	9.25	0.9	0.07	8.33	5	10.3	6.9	57.69	72.53	10.35	36	1.01	649	649.61	651.02	652.07	652.83	662.5	A2-A1
A3-A2	37	0.1	9.17	0.9	0.09	8.25	5	10.2	7	57.4	72.24	9.7	36	1	649.65	650.02	652.07	652.47	662.5	662.5	A3-A2
A4-A3	26	1.2	9.07	0.9	1.08	8.16	5	10.1	7	57.4	71.92	9.22	36	0.99	650.02	650.28	652.07	652.72	662.5	661	A4-A3
B2-B1	213	0.22	4.22	0.9	0.2	3.8	5	9.5	7.2	27.27	31.48	6.98	30	0.5	650.78	651.85	652.72	653.63	661	663.6	B2-B1
B3-B2	191	0.84	4	0.9	0.76	3.6	5	8.9	7.2	27.27	31.36	7.15	30	0.5	651.85	652.8	653.63	654.56	663.6	658.8	B3-B2
B4-B3	82	0.24	3.16	0.9	0.22	2.84	5	8.7	5	21.2	25.36	7.2	24	2.08	653.3	655	655.75	656.65	658.8	660	B4-B3
B5-B4	148	0.19	2.92	0.9	0.17	2.63	5	8.4	6	19.95	21.77	7.3	24	2.91	655	659.3	656.65	660.9	660	664.8	B5-B4
B6-B5	125	0.22	2.08	0.9	0.2	1.87	5	7.9	8	14.5	24.5	5.85	24	1	659.3	660.55	660.9	661.92	664.8	670.6	B6-B5
B7-B6	100	0	1.4	0	0	1.26	0	7.4	8	14.5	24.49	4.92	24	1	660.55	661.55	661.92	662.68	670.6	672.4	B7-B6
B8-B7	78	0.52	1.1	0.9	0.47	0.99	5	5.8	8.7	8.65	15.81	7.58	18	1.93	666.34	667.85	667.13	668.99	672.4	673.5	B8-B7
B9-B8	135	0.58	0.58	0.9	0.52	0.52	5	5	9.2	4.81	11.38	5.44	18	1	668.85	670.2	669.53	671.04	673.5	674.7	B9-B8
A5-A4	155	0.28	3.65	0.9	0.25	3.29	5	7.9	7.8	25.51	70.65	10.15	30	2.53	655	658.92	656.04	660.64	661	665.3	A5-A4
A6-A5	104	0.07	3.37	0.9	0.06	3.03	5	7.5	7.9	23.99	44.46	6.78	30	1	658.92	659.96	660.64	661.63	665.3	673.1	A6-A5
A7-A6	150	0.1	2.92	0.9	0.09	2.63	5	7.2	8.1	21.2	24.51	8.22	24	1	660.46	661.96	661.9	663.61	673.1	673.4	A7-A6
A7A-A7	37	0.2	0.78	0.9	0.18	0.78	5	7	8.1	5.72	11.35	5.73	18	0.99	667.63	668	668.38	668.92	673.4	674	A7A-A7
A7B-A7A	74	0.04	0.45	0.9	0.04	0.41	5	5.6	8.9	3.58	11.68	3.7	18	1.05	668	668.78	668.92	669.5	674	674.9	A7B-A7A
A7C-A7B	72	0.41	0.41	0.9	0.37	0.37	5	5	9.2	3.4	11.34	4.11	18	0.99	668.78	669.5	669.5	670.2	674.9	674.5	A7C-A7B
B5a-B5	161	0.09	0.47	0.9	0.08	0.42	5	5.3	9	3.83	25.94	3.55	18	5.2	659.8	668.17	660.9	668.92	664.8	673	B5a-B5
B5b-B5a	31	0.38	0.38	0.9	0.34	0.34	5	5	9.2	3.15	11.39	4.25	18	1	668.28	668.59	668.92	669.27	673	673.3	B5b-B5a
A7A1-A7A	74	0.13	0.13	0.9	0.12	0.12	5	5	9.2	1.08	19.14	1.97	18	2.83	668	670.1	668.92	670.49	674	675.1	A7A1-A7A
A6A-A6	34	0.38	0.38	0.9	0.34	0.34	5	5	9.2	3.15	11.39	4.8	18	1	667.96	668.3	668.5	668.98	673.1	673.3	A6A-A6
B7a-B7	83	0.17	0.12	0.9	0.11	0.11	5	5	9.2	1	25.84	4.98	18	5.16	666.34	670.6	666.54	670.97	672.4	675.6	B7a-B7
B7b-B7	36	0.1	0.18	0.9	0.16	0.16	5	5	9.2	1.49	11.32	3.85	18	0.99	666.34	666.6	666.71	667.06	672.4	671.6	B7b-B7
A8-A7	71	1.04	2.04	0.9	0.94	1.84	5	6	8.7	15.92	24.53	7.45	24	1	662.46	663.8	663.63	665.24	673.4	670.3	A8-A7
A9-A8	82	0.52	1	0.9	0.47	0.9	5	5.7	8.8	7.95	14.28	6.31	18	1.58	664.3	665.6	665.24	666.69	670.3	670.6	A9-A8
A10-A9	89	0.43	0.48	0.9	0.43	0.43	5	5	9.2	3.98	12.67	3.65	18	1.24	665.6	666.7	666.69	667.46	670.6	671.7	A10-A9
B6a-B6	35	0.46	0.46	0.9	0.41	0.41	5	5	9.2	3.82	11.37	5.07	18	1	663.65	664	664.25	664.75	670.6	669	B6a-B6
B5c-B5	46	0.18	0.18	0.9	0.16	0.16	5	5	9.2	1.49	11.99	2.17	18	1.11	659.8	660.3	660.9	660.76	664.8	666.8	B5c-B5
C2-C1	65	0.19	0.82	0.9	0.17	0.74	5	6	7.9	5.86	20.01	7.45	18	3.1	649.5	651.52	650.06	652.45	651.71	655.8	C2-C1
C3-C2	37	0.39	0.63	0.9	0.35	0.57	5	5.8	8	4.55	11.37	4.56	18	1	651.62	651.99	652.45	652.81	655.8	655.8	C3-C2
C4-C3	46	0.24	0.24	0.9	0.22	0.22	5	5	8.2	1.78	13.96	2.79	18	1.51	652.09	652.78	652.81	653.28	655.8	657	C4-C3

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STORM WATER MANAGEMENT SYSTEM PROFILES

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