

Storm Pipe 10 Year Structure		LineLength	Incr.Area	TotalArea	RunoffCoeff.	IncrC x A	TotalC x A	InletTime	TimeConc	RnfallInt	TotalRunoff	AdnlFlow	TotalFlow	CapacFull	Veloc	PipeSize	PipeSlope	Inv ElevDn	Inv ElevUp	HGLDn	HGLUp	Grnd/RimDn	Grnd/RimUp
Down	Up	(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
Offsite	FI 1-2	59.11	0.18	6.65	0.51	0.09	3.39	5	7.5	6.6	22.44	0	22.44	186.05	11.99	36	7.78	919	923.6	919.7	925.12	923	931.5
FI 1-2	FI 1-3	67.22	0.35	6.47	0.51	0.18	3.3	5	7.4	6.7	21.96	0	21.96	114.18	6.94	36	2.93	923.85	925.82	925.12	927.33	931.5	937.5
FI 1-3	CI 1-4	118.6	0.44	6.12	0.51	0.22	3.12	5	7.1	6.7	21	0	21	51.6	6.51	36	0.6	926.07	926.78	927.4	928.25	937.5	941.63
CI 1-4	CI 1-5	33.73	0.43	5.68	0.51	0.22	2.9	5	7	6.7	19.55	0	19.55	51.35	6.36	36	0.59	927.03	927.23	928.31	928.65	941.63	941.61
CI 1-5	FI 1-6	169.32	0.75	5.25	0.51	0.38	2.68	5	6.5	6.9	18.37	0	18.37	51.76	6.26	36	0.6	927.48	928.5	928.71	929.87	941.61	941
FI 1-6	CI 1-7	127.22	0.29	2.35	0.51	0.15	1.2	5	6	7	8.38	0	8.38	17.6	4.88	24	0.61	928.75	929.52	929.87	930.55	941	938.98
CI 1-7	CI 1-8	38	0.25	1.16	0.51	0.13	0.59	5	5.7	7.1	4.19	0	4.19	8.17	4.5	18	0.61	929.77	930	930.55	930.78	938.98	938.98
CI 1-8	CI 1-9	108.3	0.71	0.91	0.51	0.36	0.46	5	5.3	7.2	3.34	0	3.34	5	4.37	15	0.6	930.5	931.15	931.25	931.9	938.98	935.33
CI 1-9	CI 1-10	30	0.2	0.2	0.51	0.1	0.1	5	5	7.3	0.74	0	0.74	5	1.94	15	0.6	931.4	931.58	932.07	931.92	935.33	935.33
CI 1-7	CI 3-1	173.94	0.69	0.9	0.51	0.35	0.46	5	5.2	7.2	3.31	0	3.31	5.58	3.56	15	0.75	929.2	930.5	930.55	931.23	938.98	936.82
CI 3-1	CI 3-2	38	0.21	0.21	0.51	0.11	0.11	5	5	7.3	0.78	0	0.78	7.41	3.37	15	1.32	931	931.5	931.27	931.85	936.82	936.82
FI 1-6	FI 2-1	116.73	0.47	2.15	0.51	0.24	1.1	5	6	7	7.67	0	7.67	41.08	3.75	24	3.3	928	931.85	929.87	932.83	941	941
FI 2-1	FI 2-2	128.44	0.79	1.68	0.51	0.4	0.86	5	5.6	7.1	6.08	0	6.08	9.13	5.33	18	0.76	932.1	933.07	933	934.02	941	941
FI 2-2	FI 2-3	122.77	0.48	0.89	0.51	0.24	0.45	5	5.2	7.2	3.28	0	3.28	5.62	4.52	15	0.76	933.32	934.25	934.02	934.98	941	939.93
FI 2-3	FI 2-4	33.61	0.41	0.41	0.51	0.21	0.21	5	5	7.3	1.52	0	1.52	6.59	3.47	15	1.04	934.5	934.85	934.98	935.34	939.93	939.93
Storm Pipe 10 Year Structure		LineLength	Incr.Area	TotalArea	RunoffCoeff.	IncrC x A	TotalC x A	InletTime	TimeConc	RnfallInt	TotalRunoff	AdnlFlow	TotalFlow	CapacFull	Veloc	PipeSize	PipeSlope	Inv ElevDn	Inv ElevUp	HGLDn	HGLUp	Grnd/RimDn	Grnd/RimUp
Down	Up	(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
Offsite	FI 1-2	59.11	0.18	6.65	0.51	0.09	3.39	5	7.3	10.1	34.21	0	34.21	186.05	13.66	36	7.78	919	923.6	919.87	925.5	923	931.5
FI 1-2	FI 1-3	67.22	0.35	6.47	0.51	0.18	3.3	5	7.2	10.1	33.46	0	33.46	114.18	7.8	36	2.93	923.85	925.82	925.5	927.7	931.5	937.5
FI 1-3	CI 1-4	118.6	0.44	6.12	0.51	0.22	3.12	5	6.9	10.2	31.95	0	31.95	51.6	7.37	36	0.6	926.07	926.78	927.78	928.61	937.5	941.63
CI 1-4	CI 1-5	33.73	0.43	5.68	0.51	0.22	2.9	5	6.8	10.3	29.74	0	29.74	51.35	7.2	36	0.59	927.03	927.23	928.67	929	941.63	941.61
CI 1-5	FI 1-6	169.32	0.75	5.25	0.51	0.38	2.68	5	6.4	10.4	27.89	0	27.89	51.76	7.09	36	0.6	927.48	928.5	929.05	930.21	941.61	941
FI 1-6	CI 1-7	127.22	0.29	2.35	0.51	0.15	1.2	5	6	10.6	12.68	0	12.68	17.6	5.57	24	0.61	928.75	929.52	930.21	930.8	941	938.98
CI 1-7	CI 1-8	38	0.25	1.16	0.51	0.13	0.59	5	5.6	10.7	6.35	0	6.35	8.17	5.05	18	0.61	929.77	930	930.8	930.98	938.98	938.98
CI 1-8	CI 1-9	108.3	0.71	0.91	0.51	0.36	0.46	5	5.2	10.9	5.06	0	5.06	5	4.57	15	0.6	930.5	931.15	931.58	932.19	938.98	935.33
CI 1-9	CI 1-10	30	0.2	0.2	0.51	0.1	0.1	5	5	11	1.12	0	1.12	5	2.11	15	0.6	931.4	931.58	932.39	932	935.33	935.33
CI 1-7	CI 3-1	173.94	0.69	0.9	0.51	0.35	0.46	5	5.3	10.9	4.99	0	4.99	5.58	4.06	15	0.75	929.2	930.5	930.8	931.84	938.98	936.82
CI 3-1	CI 3-2	38	0.21	0.21	0.51	0.11	0.11	5	5	11	1.18	0	1.18	7.41	2.07	15	1.32	931	931.5	932.22	931.93	936.82	936.82
FI 1-6	FI 2-1	116.73	0.47	2.15	0.51	0.24	1.1	5	6	10.6	11.6	0	11.6	41.08	4.73	24	3.3	928	931.85	930.21	933.07	941	941
FI 2-1	FI 2-2	128.44	0.79	1.68	0.51	0.4	0.86	5	5.7	10.7	9.19	0	9.19	9.13	5.88	18	0.76	932.1	933.07	933.34	934.31	941	941
FI 2-2	FI 2-3	122.77	0.48	0.89	0.51	0.24	0.45	5	5.2	10.9	4.95	0	4.95	5.62	4.42	15	0.76	933.32	934.25	934.58	935.23	941	939.93
FI 2-3	FI 2-4	33.61	0.41	0.41	0.51	0.21	0.21	5	5	11	2.3	0	2.3	6.59	2.95	15	1.04	934.5	934.85	935.6	935.46	939.93	939.93

Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005000119-D
Kansas
Engineering E-1696
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Park Ridge - 6th Plat
Lee's Summit, Jackson County, Missouri

Project: R1DC
6TH

Issue Date:
November 17, 2017

Storm Sewer Tables
Construction Plans for:
Park Ridge - 6th Plat
Lee's Summit, Jackson County, Missouri

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REVISIONS

