10 YEAR INLET

D.S. Line	U.S. Line	Area	InletTime	Int.	RunoffCoeff.	Q =CIA	Q Carry-over	QCaptured	QBypassed	JunctType	CurbHeight	CurbLength	GutterSlope	GutterWidth	CrossSlope, Sw	CrossSlope, Sx	InletDepth	GutterDepth	GutterSpread
		(ac)	(min)	(in/hr)	(C)	(cfs)	(cfs)	(cfs)	(cfs)		(in)	(ft)	(ft/ft)	(ft)	(ft/ft)	(ft/ft)	(ft)	(ft)	(ft)
1-6	1-7	0.76	9.6	6.17	0.51	2.39	0	2.39	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.16	0.16	8.19
1-7	2-1	0.66	6.6	6.84	0.51	2.3	0	2.3	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.16	0.16	7.99
2-1	2-2	0.23	7.4	6.65	0.51	0.78	0	0.78	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.08	0.08	3.88

10 YEAR STORM PIPE

D.S. Line	U.S. Line	LineLength	Incr.Area	TotalArea	RunoffCoeff.	IncrC x A	TotalC x A	InletTime	TimeConc	RnfalInt	TotalRunoff	TotalFlow	CapacFull	Veloc	PipeSize	PipeSlope	Inv ElevDn	Inv ElevUp	HGLDn	HGLUp	Grnd/RimDn	Grnd/RimUp
		(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
1-6	1-7	95.92	0.76	1.65	0.51	0.39	0.84	9.6	9.6	6.2	5.19	5.19	36.51	6.32	24	2.61	1010	1012.5	1010.51	1013.3	1015.12	1018.5
1-7	2-1	250.68	0.66	0.89	0.51	0.34	0.45	6.6	8.5	6.4	2.91	2.91	16.25	5.47	18	2.39	1013	1019	1013.43	1019.65	1018.5	1025
2-1	2-2	249.67	0.23	0.23	0.51	0.12	0.12	7.4	7.4	6.6	0.78	0.78	10.42	3.9	15	2.6	1019.5	1026	1019.73	1026.35	1025	1031

100 YEAR INLET

D.S. Line	U.S. Line	Area	InletTime	Int.	RunoffCoeff.	Q =CIA	Q Carry-over	QCaptured	QBypassed	JunctType	CurbHeight	CurbLength	GutterSlope	GutterWidth	CrossSlope, Sw	CrossSlope, Sx	InletDepth	GutterDepth	GutterSpread
		(ac)	(min)	(in/hr)	(C)	(cfs)	(cfs)	(cfs)	(cfs)		(in)	(ft)	(ft/ft)	(ft)	(ft/ft)	(ft/ft)	(ft)	(ft)	(ft)
1-6	1-7	0.76	9.6	9.33	0.51	3.62	0	3.62	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.22	0.22	10.8
1-7	2-1	0.66	6.6	10.35	0.51	3.48	0	3.48	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.21	0.21	10.53
2-1	2-2	0.23	7.4	10.06	0.51	1.18	0	1.18	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.1	0.1	5.11

100 YEAR STORM PIPE

D.S. Line	U.S. Line	LineLength	Incr.Area	TotalArea	RunoffCoeff.	IncrC x A	TotalC x A	InletTime	TimeConc	RnfalInt	TotalRunoff	TotalFlow	CapacFull	Veloc	PipeSize	PipeSlope	Inv ElevDn	Inv ElevUp	HGLDn	HGLUp	Grnd/RimDn	Grnd/RimUp
		(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
1-6	1-7	95.92	0.76	1.65	0.51	0.39	0.84	9.6	9.6	9.3	7.85	7.85	36.51	7.14	24	2.61	1010	1012.5	1010.63	1013.5	1015.12	1018.5
1-7	2-1	250.68	0.66	0.89	0.51	0.34	0.45	6.6	8.4	9.7	4.41	4.41	16.25	6.19	18	2.39	1013	1019	1013.53	1019.81	1018.5	1025
2-1	2-2	249.67	0.23	0.23	0.51	0.12	0.12	7.4	7.4	10.1	1.18	1.18	10.42	4.14	15	2.6	1019.5	1026	1019.81	1026.43	1025	1031

10 YEAR INLET

D.S. Line	U.S. Line	Area	InletTime	Int.	RunoffCoeff.	Q =CIA	Q Carry-over	QCaptured	QBypassed	JunctType	CurbHeight	CurbLength	GutterSlope	GutterWidth	CrossSlope, Sw	CrossSlope, Sx	InletDepth	GutterDepth	GutterSpread	BypassLine No.
		(ac)	(min)	(in/hr)	(C)	(cfs)	(cfs)	(cfs)	(cfs)		(in)	(ft)	(ft/ft)	(ft)	(ft/ft)	(ft/ft)	(ft)	(ft)	(ft)	
5-5	5-6	0.87	6.2	6.94	0.51	3.08	0	3.08	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.19	0.19	9.7	Sag
5-6	M4 5-1	0.86	7.5	6.63	0.51	2.91	0	2.91	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.19	0.19	9.33	Sag
M4 5-1	M4 5-2	0.77	6.9	6.77	0.51	2.66	0	2.66	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.18	0.18	8.79	Sag
M4 1-1	M4 1-2	0.37	7.6	6.6	0.51	1.25	0.67	0.56	1.36	Curb	10	5	0.011	2	0.02	0.02	0.17	0.17	8.37	16
M4 1-2	M4 1-3	0.27	7.1	6.72	0.51	0.93	0.86	0.77	1.01	Curb	10	5	0.011	2	0.05	0.02	0.21	0.21	7.5	17
M4 1-3	M4 1-4	0.47	8.4	6.42	0.51	1.54	0	1.54	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.12	0.12	6.11	Sag
M4 1-4	M4 1-5	1.01	8.5	6.4	0.51	3.3	0.82	4.12	0	Curb	10	5	Sag	2	0.05	0.02	0.42	0.42	18.11	Sag
M4 1-5	M4 2-1	0.67	6.4	6.89	0.51	2.36	0	2.36	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.16	0.16	8.11	Sag
M4 2-1	M4 2-2	0.29	7.4	6.65	0.51	0.98	0	0.98	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.09	0.09	4.53	Sag
M4 2-2	M4 2-3	0.33	8.2	6.47	0.51	1.09	0.15	0.64	0.6	Curb	10	5	0.01	2	0.05	0.02	0.19	0.19	6.51	34
M4 2-3	M4 2-4	0.05	5.2	7.21	0.51	0.18	0.35	0.39	0.15	Curb	10	5	0.01	2	0.05	0.02	0.15	0.15	4.27	37
M4 2-4	R4 1-1	0.21	6.3	6.92	0.51	0.74	0	0.39	0.35	Curb	10	5	0.026	2	0.05	0.02	0.14	0.14	3.92	38
R4 1-1	R4 1-2	0.65	8.3	6.44	0.51	2.14	0	0.7	1.44	Curb	10	5	0.026	2	0.05	0.02	0.19	0.19	6.73	Offsite
R4 1-2	R4 1-3	0.35	6.7	6.82	0.51	1.22	0	0.46	0.76	Curb	10	5	0.042	2	0.05	0.02	0.15	0.15	4.52	Offsite
R4 1-3	R4 1-4	0.26	6.5	6.87	0.51	0.91	0	0.42	0.49	Curb	10	5	0.032	2	0.05	0.02	0.14	0.14	4.15	Offsite
R4 1-4	M4 3-1	0.39	6.9	6.77	0.51	1.35	0	0.49	0.86	Curb	10	5	0.041	2	0.05	0.02	0.16	0.16	4.8	32
M4 3-1	M4 3-2	0.32	6.7	6.82	0.51	1.11	0	0.44	0.67	Curb	10	5	0.041	2	0.05	0.02	0.15	0.15	4.33	31
M4 3-2	M4 4-1	0.19	6.6	6.84	0.51	0.66	0	0.44	0.22	Curb	10	5	0.01	2	0.05	0.02	0.16	0.16	4.79	34

10 YEAR STORM PIPE

U.S. Line	D.S. Line	LineLength	Incr.Area	TotalArea	RunoffCoeff.	IncrC x A	TotalC x A	InletTime	TimeConc	RnfalInt	TotalRunoff	TotalFlow	CapacFull	Veloc	PipeSize	PipeSlope	Inv ElevDn	Inv ElevUp	HGLDn	HGLUp	Grnd/RimDn	Grnd/RimUp
		(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
5-5	5-6	115.83	0.87	2.5	0.51	0.44	1.28	6.2	8	6.5	8.29	8.29	51.85	4.98	36	0.6	1005.95	1006.65	1006.76	1007.56	1011	1011.1
5-6	M4 5-1	204.74	0.86	1.63	0.51	0.44	0.83	7.5	7.5	6.6	5.51	5.51	14.31	6.26	18	1.86	1007.2	1011	1007.85	1011.9	1011.1	1016.9
M4 5-1	M4 5-2	148.03	0.77	0.77	0.51	0.39	0.39	6.9	6.9	6.8	2.66	2.66	8.8	4.09	15	1.86	1011.25	1014	1011.9	1014.65	1016.9	1019.8
M4 1-1	M4 1-2	147.73	0.37	5.83	0.51	0.19	2.97	7.6	10.7	6	17.7	17.7	67.2	6.89	36	1.02	1005	1006.5	1006.05	1007.85	1008	1015.57
M4 1-2	M4 1-3	34	0.27	5.46	0.51	0.14	2.78	7.1	10.6	6	16.63	16.63	57.19	6.33	36	0.74	1006.75	1007	1007.86	1008.3	1015.57	1015.58
M4 1-3	M4 1-4	128.29	0.47	5.19	0.51	0.24	2.65	8.4	10.3	6	15.97	15.97	114.03	6.4	36	2.92	1007.25	1011	1008.3	1012.28	1015.58	1017
M4 1-4	M4 1-5	136.19	1.01	1.01	0.51	0.52	0.52	8.5	8.5	6.4	3.3	3.3	10.72	6.05	15	2.75	1012.25	1016	1012.73	1016.73	1017	1023.3
M4 1-5	M4 2-1	115.57	0.67	3.71	0.51	0.34	1.89	6.4	10	6.1	11.52	11.52	46.72	6.59	30	1.3	1011.5	1013	1012.35	1014.14	1017	1020
M4 2-1	M4 2-2	179.97	0.29	2.33	0.51	0.15	1.19	7.4	9.4	6.2	7.38	7.38	35.52	5.17	30	0.75	1013.5	1014.85	1014.27	1015.75	1020	1026.5
M4 2-2	M4 2-3	151.57	0.33	2.04	0.51	0.17	1.04	8.2	8.9	6.3	6.56	6.56	19.7	5.19	24	0.76	1015.35	1016.5	1016.15	1017.41	1026.5	1024.8
M4 2-3	M4 2-4	139.12	0.05	1.52	0.51	0.03	0.78	5.2	8.5	6.4	4.96	4.96	23.49	5.13	24	1.08	1017	1018.5	1017.63	1019.28	1024.8	1026.2
M4 2-4	R4 1-1	43.15	0.21	1.47	0.51	0.11	0.75	6.3	8.4	6.4	4.82	4.82	48.69	7.09	24	4.63	1019	1021	1019.43	1021.77	1026.2	1028.03
R4 1-1	R4 1-2	33.95	0.65	1.26	0.51	0.33	0.64	8.3	8.3	6.4	4.14	4.14	47.54	6.7	24	4.42	1021.5	1023	1021.9	1023.71	1028.03	1028.03
R4 1-2	R4 1-3	152.68	0.35	0.61	0.51	0.18	0.31	6.7	6.7	6.8	2.12	2.12	17	4.09	18	2.62	1023.25	1027.25	1023.71	1027.8	1028.03	1032.28
R4 1-3	R4 1-4	52.3	0.26	0.26	0.51	0.13	0.13	6.5	6.5	6.9	0.91	0.91	7.73	3.59	15	1.43	1027.75	1028.5	1028.04	1028.87	1032.28	1033.72
R4 1-4	M4 3-1	128	0.39	0.71	0.51	0.2	0.36	6.9	6.9	6.8	2.45	2.45	10.68	5.52	15	2.73	1015	1018.5	1015.41	1019.13	1020	1024.42
M4 3-1	M4 3-2	50.12	0.32	0.32	0.51	0.16	0.16	6.7	6.7	6.8	1.11	1.11	9.12	4.08	15	2	1019	1020	1019.3	1020.42	1024.42	1025.87
M4 3-2	M4 4-1	36.05	0.19	0.19	0.51	0.1	0.1	6.6	6.6	6.8	0.66	0.66	5.38	2.84	15	0.69	1019.5	1019.75	1019.8	1020.07	1024.8	1024.92

100 YEAR INLET

D.S. Line	U.S. Line	Area	InletTime	Int.	RunoffCoeff.	Q =CIA	Q Carry-over	QCaptured	QBypassed	JunctType	CurbHeight	CurbLength	GutterSlope	GutterWidth	CrossSlope, Sw	CrossSlope, Sx	InletDepth	GutterDepth	GutterSpread	BypassLine No.
		(ac)	(min)	(in/hr)	(C)	(cfs)	(cfs)	(cfs)	(cfs)		(in)	(ft)	(ft/ft)	(ft)	(ft/ft)	(ft/ft)	(ft)	(ft)	(ft)	
5-5	5-6	0.87	6.2	10.5	0.51	4.66	0	4.66	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.26	0.26	12.79	Sag
5-6	M4 5-1	0.86	7.5	10.02	0.51	4.4	0	4.4	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.25	0.25	12.3	Sag
M4 5-1	M4 5-2	0.77	6.9	10.24	0.51	4.02	0	4.02	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.23	0.23	11.59	Sag
M4 1-1	M4 1-2	0.37	7.6	9.99	0.51	1.88	1.13	0.73	2.28	Curb	10	5	0.011	2	0.02	0.02	0.2	0.2	9.91	16
M4 1-2	M4 1-3	0.27	7.1	10.17	0.51	1.4	1.42	0.98	1.84	Curb	10	5	0.011	2	0.05	0.02	0.24	0.24	9.14	17
M4 1-3	M4 1-4	0.47	8.4	9.71	0.51	2.33	0	2.33	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.16	0.16	8.05	Sag
M4 1-4	M4 1-5	1.01	8.5	9.68	0.51	4.99	1.62	6.6	0	Curb	10	5	Sag	2	0.05	0.02	0.58	0.58	25.93	Sag
M4 1-5	M4 2-1	0.67	6.4	10.43	0.51	3.56	0	3.56	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.21	0.21	10.69	Sag
M4 2-1	M4 2-2	0.29	7.4	10.06	0.51	1.49	0	1.49	0	Dp-Curb	10	12	Sag	....	0.02	0.02	0.12	0.12	5.97	Sag
M4 2-2	M4 2-3	0.33	8.2	9.78	0.51	1.65	0.37	0.84	1.18	Curb	10	5	0.01	2	0.05	0.02	0.22	0.22	8.09	34
M4 2-3	M4 2-4	0.05	5.2	10.91	0.51	0.28	0.63	0.53	0.37	Curb	10	5	0.01	2	0.05	0.02	0.17	0.17	5.61	37
M4 2-4	R4 1-1	0.21	6.3	10.47	0.51	1.12	0	0.49	0.63	Curb	10	5	0.026	2	0.05	0.02	0.16	0.16	4.93	38
R4 1-1	R4 1-2	0.65	8.3	9.75	0.51	3.23	0	0.87	2.36	Curb	10	5	0.026	2	0.05	0.02	0.22	0.22	8.09	Offsite
R4 1-2	R4 1-3	0.35	6.7	10.31	0.51	1.84	0	0.58	1.26	Curb	10	5	0.042	2	0.05	0.02	0.17	0.17	5.59	Offsite
R4 1-3	R4 1-4	0.26	6.5	10.39	0.51	1.38	0	0.52	0.85	Curb	10	5	0.032	2	0.05	0.02	0.16	0.16	5.17	Offsite
R4 1-4	M4 3-1	0.39	6.9	10.24	0.51	2.04	0	0.61	1.42	Curb	10	5	0.041	2	0.05	0.02	0.18	0.18	5.9	32
M4 3-1	M4 3-2	0.32	6.7	10.31	0.51	1.68	0	0.55	1.13	Curb	10	5	0.041	2	0.05	0.02	0.17	0.17	5.38	31
M4 3-2	M4 4-1	0.19	6.6	10.35	0.51	1	0	0.57	0.44	Curb	10	5	0.01	2	0.05	0.02	0.18	0.18	5.89	34

100 YEAR STORM PIPE

U.s. Line	D.S. Line	LineLength	Incr.Area	TotalArea	RunoffCoeff.	IncrC x A	TotalC x A	InletTime	TimeConc	RnfalInt	TotalRunoff	TotalFlow	CapacFull	Veloc	PipeSize	PipeSlope	Inv ElevDn	Inv ElevUp	HGLDn	HGLUp	Grnd/RimDn	Grnd/RimUp
5-5	5-6	115.83	0.87	2.5	0.51	0.44	1.28	6.2	8	9.9	12.57	12.57	51.85	5.61	36	0.6	1005.95	1006.65	1006.96	1007.78	1011	1011.1
5-6	M4 5-1	204.74	0.86	1.63	0.51	0.44	0.83	7.5	7.5	10	8.33	8.33	14.31	7.15	18	1.86	1007.2	1011	1008.02	1012.12	1011.1	1016.9
M4 5-1	M4 5-2	148.03	0.77	0.77	0.51	0.39	0.39	6.9	6.9	10.2	4.02	4.02	8.8	4.6	15	1.86	1011.25	1014	1012.12	1014.81	1016.9	1019.8
M4 1-1	M4 1-2	147.73	0.37	5.83	0.51	0.19	2.97	7.6	10.5	9.1	27	27	67.2	7.81	36	1.02	1005	1006.5	1006.32	1008.18	1008	1015.57
M4 1-2	M4 1-3	34	0.27	5.46	0.51	0.14	2.78	7.1	10.4	9.1	25.35	25.35	57.19	7.07	36	0.74	1006.75	1007	1008.18	1008.62	1015.57	1015.58
M4 1-3	M4 1-4	128.29	0.47	5.19	0.51	0.24	2.65	8.4	10.1	9.2	24.33	24.33	114.03	7.06	36	2.92	1007.25	1011	1008.62	1012.59	1015.58	1017
M4 1-4	M4 1-5	136.19	1.01	1.01	0.51	0.52	0.52	8.5	8.5	9.7	4.99	4.99	10.72	6.91	15	2.75	1012.25	1016	1012.85	1016.91	1017	1023.3
M4 1-5	M4 2-1	115.57	0.67	3.71	0.51	0.34	1.89	6.4	9.8	9.3	17.54	17.54	46.72	7.33	30	1.3	1011.5	1013	1012.59	1014.42	1017	1020
M4 2-1	M4 2-2	179.97	0.29	2.33	0.51	0.15	1.19	7.4	9.3	9.4	11.2	11.2	35.52	5.84	30	0.75	1013.5	1014.85	1014.47	1015.97	1020	1026.5
M4 2-2	M4 2-3	151.57	0.33	2.04	0.51	0.17	1.04	8.2	8.9	9.6	9.95	9.95	19.7	5.87	24	0.76	1015.35	1016.5	1016.36	1017.63	1026.5	1024.8
M4 2-3	M4 2-4	139.12	0.05	1.52	0.51	0.03	0.78	5.2	8.5	9.7	7.51	7.51	23.49	5.8	24	1.08	1017	1018.5	1017.78	1019.47	1024.8	1026.2
M4 2-4	R4 1-1	43.15	0.21	1.47	0.51	0.11	0.75	6.3	8.4	9.7	7.29	7.29	48.69	8.01	24	4.63	1019	1021	1019.52	1021.96	1026.2	1028.03
R4 1-1	R4 1-2	33.95	0.65	1.26	0.51	0.33	0.64	8.3	8.3	9.7	6.26	6.26	47.54	7.58	24	4.42	1021.5	1023	1021.99	1023.89	1028.03	1028.03
R4 1-2	R4 1-3	152.68	0.35	0.61	0.51	0.18	0.31	6.7	6.7	10.3	3.21	3.21	17	4.31	18	2.62	1023.25	1027.25	1023.89	1027.93	1028.03	1032.28
R4 1-3	R4 1-4	52.3	0.26	0.26	0.51	0.13	0.13	6.5	6.5	10.4	1.38	1.38	7.73	4.04	15	1.43	1027.75	1028.5	1028.11	1028.96	1032.28	1033.72
R4 1-4	M4 3-1	128	0.39	0.71	0.51	0.2	0.36	6.9	6.9	10.2	3.71	3.71	10.68	6.27	15	2.73	1015	1018.5	1015.51	1019.28	1020	1024.42
M4 3-1	M4 3-2	50.12	0.32	0.32	0.51	0.16	0.16	6.7	6.7	10.3	1.68	1.68	9.12	4.6	15	2	1019	1020	1019.36	1020.51	1024.42	1025.87
M4 3-2	M4 4-1	36.05	0.19	0.19	0.51	0.1	0.1	6.6	6.6	10.4	1	1	5.38	3.19	15	0.69	1019.5	1019.75	1019.87	1020.14	1024.8	1024.92

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The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

Project: THE RESERVE AT STONEY CREEK 4TH PLAT

Issue Date: August, 2018

Storm Sewer Tables - 10 & 100 Year
Construction Plans for:
The Reserve at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri

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REVISIONS

1 REV. 1-4-19
2 REV. 2-11-19
3 REV. 5-10-19
4 REV. 5-28-19