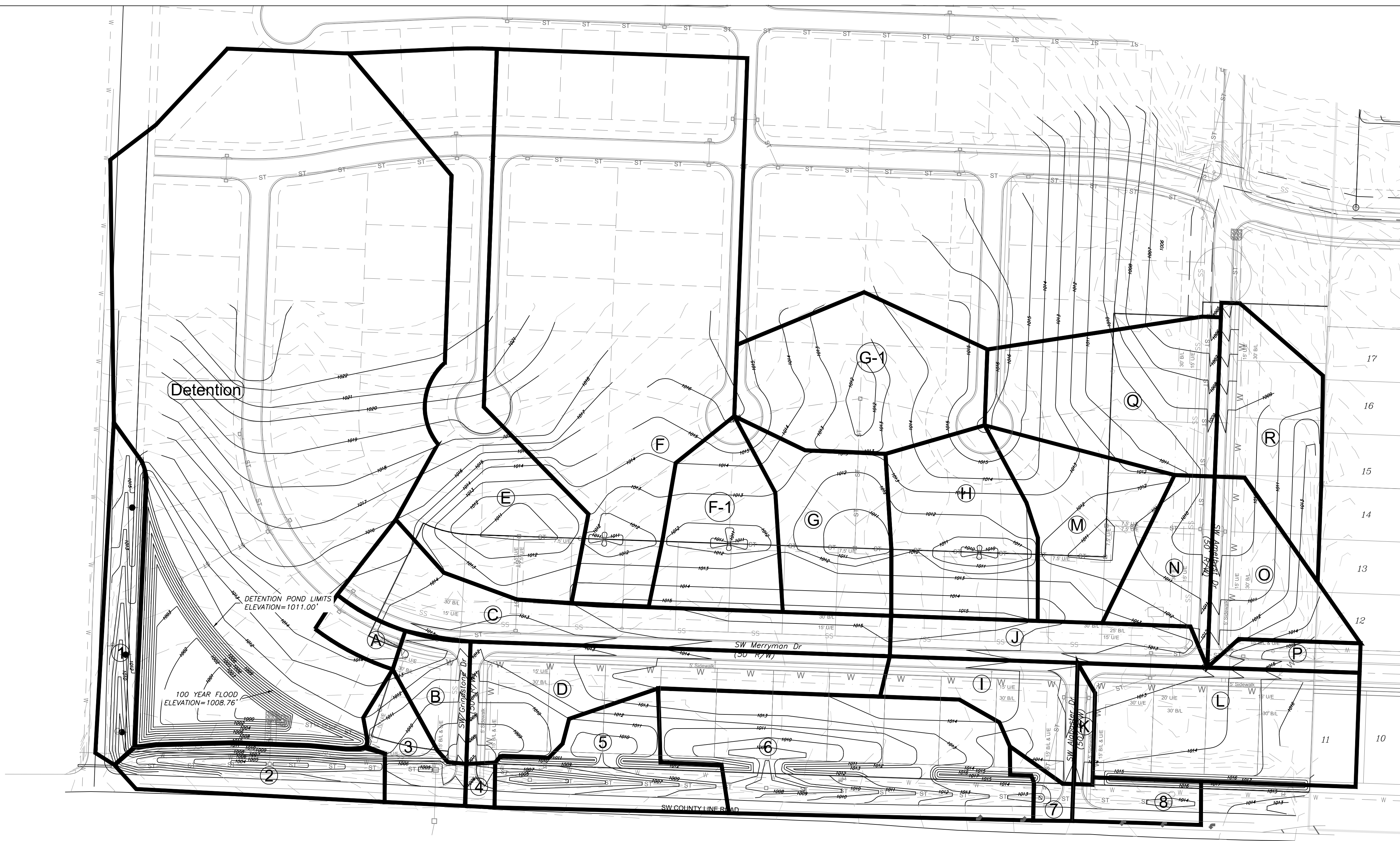


Area Label	Area (Sq. Ft.)	Area (ac.)
A	6,080.08	0.14
B	12,735.15	0.29
C	49,420.42	1.13
D	47,150.85	1.08
E	85,418.47	1.96
F	206,644.40	4.74
F-1	17,162.00	0.39
G	35,736.48	0.82
G-1	56,272.83	1.29
H	68,466.82	1.57
I	17,804.61	0.41
J	22,977.42	0.53
K	5,924.74	0.14
L	54,988.00	1.26
M	37,872.64	0.87
N	21,079.75	0.48
O	27,850.36	0.64
P	7,433.25	0.17
Q	52,422.71	1.20
R	35,305.24	0.81
Detention	345,754.02	7.94
1	21,400.37	0.49
2	23,692.45	0.54
3	13,698.31	0.31
4	2,339.63	0.05
5	28,376.76	0.65
6	62,699.55	1.44
7	11,050.42	0.25
8	9,923.94	0.23
Site Total	1,387,681.67	31.86

APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : The Manor At Stoney Creek - 2nd Plat																																																	
AREA ID		yellow areas are self computing overwrite if necessary				Surface types: Asph/ConcBus/Com Drt Grass/Park Lake MultFam SnglFam Undev Other															TC COMPUTATION						AREA ID																						
						SURFACE CODES A B D G L M S U Z																																											
						"C" Values Overwrite Length - DnElev or Slope if necessary																																											
						SURFACE CODES A B D G L M S U Z																																											
TOTAL ACRES		WTRSHD LENGTH		UP ELEV		DN ELEV		SURFACE CODE		"C" VALUE		OVRLND LENGTH		UP ELEV		DN ELEV		SLOPE %		CODE P or U		CHANNEL LENGTH		UP ELEV		DN ELEV		SLOPE %		VELOCITY F/S		Cal Overland Flow T(I)		Used Min 5 T(I)		Cal One Channel T(T)		Cal Two Channel T(T)		Total T(T)		Intensity 10 I		Intensity 100 I		CFS 10 Q		CFS 100 Q	
TOTAL WATERSHED																												OVERLAND FLOW - 100' MAX										CHANNEL FLOW - FIRST REACH											
A	0.14	118.8	1014.3	1013.1	Z	0.35	100.0	1014.3	1013.3	1.0	P	18.8	1013.3	1013.1	0.80	1.8	13.5	13.5	0.2	0.0	13.7	5.4	7.6	0.26	0.37	A																							
B	0.29	219.7	1013.1	1007.0	Z	0.46	100.0	1013.1	1011.5	1.6	P	119.7	1011.5	1007.0	3.76	3.9	9.8	9.8	0.5	0.0	10.4	6.0	8.5	0.80	1.13	B																							
C	1.13	508.2	1014.5	1012.0	Z	0.52	100.0	1014.5	1014.2	0.4	P	408.2	1014.2	1012.0	0.53	1.5	14.8	14.8	4.6	0.0	19.4	4.8	6.7	2.83	3.94	C																							
D	1.08	689.6	1014.5	1007.0	Z	0.53	100.0	1014.5	1014.2	0.3	P	589.6	1014.2	1007.0	1.22	2.2	15.3	15.0	4.4	0.0	19.4	4.8	6.7	2.76	3.84	D																							
E	2.04	719.8	1034.2	1011.0	Z	0.30	100.0	1034.2	1032.0	2.3	P	619.8	1032.0	1011.0	3.38	3.7	11.0	11.0	2.8	0.0	13.8	5.4	7.6	3.29	4.67	E																							
F	5.14	696.3	1028.6	1012.5	Z	0.30	100.0	1028.6	1027.9	0.8	P	596.3	1027.9	1012.5	2.58	3.3	15.8	15.0	3.0	0.0	18.0	5.0	6.9	7.67	10.62	F																							
G	1.86	359.9	1014.4	1011.0	Z	0.30	100.0	1014.4	1012.6	1.8	P	259.9	1012.6	1011.0	0.62	1.6	11.9	11.9	2.7	0.0	14.6	5.2	7.4	2.92	4.15	G																							
H	1.57	367.7	1014.4	1011.0	Z	0.30	100.0	1014.4	1013.4	1.0	P	267.7	1013.4	1011.0	0.88	1.9	14.3	14.3	2.3	0.0	16.6	5.1	7.1	2.42	3.35	H																							
I	0.54	247.2	1014.6	1013.0	Z	0.50	100.0	1014.6	1014.1	0.5	P	147.2	1014.1	1013.0	0.73	1.7	13.6	13.6	1.4	0.0	15.0	5.3	7.4	1.44	1.99	I																							
J	0.53	351.7	1014.8	1012.6	Z	0.46	100.0	1014.8	1014.1	0.7	P	251.7	1014.1	1012.6	0.58	1.5	12.9	12.9	2.7	0.0	15.6	5.3	7.3	1.28	1.77	J																							
K	0.08	115.8	1015.6	1013.0	Z	0.58	100.0	1015.6	1013.2	2.4	P	15.8	1013.2	1013.0	1.27	2.3	7.0	7.0	0.1	0.0	7.1	6.7	9.5	0.31	0.44	K																							
L	1.28	316.1	1017.4	1013.0	U	0.35	100.0	1017.4	1015.2	2.2	P	216.1	1015.2	1013.0	1.02	2.1	10.4	10.4	1.8	0.0	12.2	5.6	8.0	2.53	3.59	L																							
M	0.87	221.5	960.8	949.0	U	0.30	100.0	960.8	953.6	7.2	P	121.5	953.6	949.0	3.74	3.9	7.5	7.5	0.5	0.0	8.0	6.5	9.2	1.71	2.41	M																							
N	0.48	187.5	1013.0	1010.0	U	0.40	100.0	1013.0	1010.8	2.2	P	87.5	1010.8	1010.0	0.89	1.9	9.7	9.7	0.8	0.0	10.4	6.0	8.5	1.15	1.63	N																							
O	0.64	187.5	1013.0	1010.0	Z	0.38	100.0	1013.0	1010.8	2.2	P	87.5	1010.8	1010.0	0.89	1.9	9.9	9.9	0.8	0.0	10.7	5.9	8.4	1.44	2.04	O																							
P	0.17	156.4	1018.0	1014.1	Z	0.46	100.0	1018.0	1015.0	3.0	P	56.4	1015.0	1014.1	1.65	2.6	8.0	8.0	0.4	0.0	8.4	6.4	9.1	0.50	0.71	P																							
Q	1.20	338.4	1015.1	1005.1	Z	0.34	100.0	1015.1	1014.8	0.4	P	238.4	1014.8	1005.1	4.05	4.1	19.4	15.0	1.0	0.0	16.0	5.2	7.2	2.13	2.94	Q																							
R	0.81	382.7	1013.8	1004.9	Z	0.36	100.0	1013.8	1012.4	1.4	P	282.7	1012.4	1004.9	2.64	3.3	11.8	11.8	1.4	0.0	13.2	5.5	7.8	1.59	2.26	R																							
Det	7.94	914.6	1034.2	1008.4	Z	0.30	100.0	1034.2	1033.2	1.0							14.4	14.4	0.0	0.0	14.4	5.3	7.5	12.54	17.81	Det.																							
1	0.49	463.7	1017.0	1009.9	Z	0.59	100.0	1017.0	1015.0	2.0	P	363.7	1015.0	1009.9	1.39	2.4	7.2	7.2	2.5	0.0	9.8	6.1	8.7	1.77	2.50	1.0																							
2	0.54	181.2	1010.0	1004.0	Z	0.56	100.0	1010.0	1009.2	0.8	P	81.2	1009.2	1004.0	6.39	5.1	10.4	10.4	0.3	0.0	10.7	5.9	8.4	1.79	2.54	2.0																							
3	0.31	155.2	1013.0	1007.0	Z	0.44	100.0	1013.0	1009.3	3.7	P	55.2	1009.3	1007.0	4.17	4.1	7.7	7.7	0.2	0.0	7.9	6.6	9.2	0.89	1.26	3.0																							
4	0.05	N/A				0.71											0.0	0.0	0.0	0.0	0.0					4.0																							
5	0.71	348.7	948.0	941.0	Z	0.40	100.0	948.0	945.9	2.2	P	248.7	945.9	941.0	1.95	2.8	9.7	9.7	1.5	0.0	11.2	5.8	8.3	1.66	2.34	5.0																							
6	1.66	187.6	949.0	943.5	U	0.33	100.0	949.0	946.7	2.3	P	87.6	946.7	943.5	3.69	3.9	10.5	10.5	0.4	0.0	10.9	5.9	8.3	3.23	4.57	6.0																							
7	0.09	79.2	949.0	936.4	U	0.32	100.0	949.0	943.3	5.7							7.9	7.9	0.0	0.0	7.9	6.6	9.3	0.19	0.27	7.0																							
8	0.23	132.5	941.6	940.0	Z	0.48	100.0	941.6	940.2	1.4	P	32.5	940.2	940.0	0.62	1.6	10.0	10.0	0.3	0.0	10.4	6.0	8.5	0.66	0.94	8.0																							

Master Drainage Map 3 of 3:

Drainage Area Map
Construction Plans for:
The Manor at Stoney Creek - 2nd Plat
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

REVISIONS
REV. 5-1-17

The Manor at Stoney Creek - 2nd Plat
Lee's Summit, Jackson County, Missouri

Project:
MANOR AT
STONEY CREEK
Map 3 of 3
May 1, 2016

Professional Registration
Missouri
Engineering 2005002188-D
Surveying 200500019-D
Kansas
Engineering E-1895
Surveying LS-219
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

ENGINEERING
ENGINEERING & SURVEYING
SOLUTIONS
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849