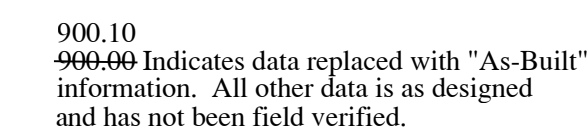
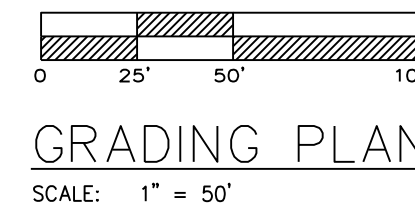
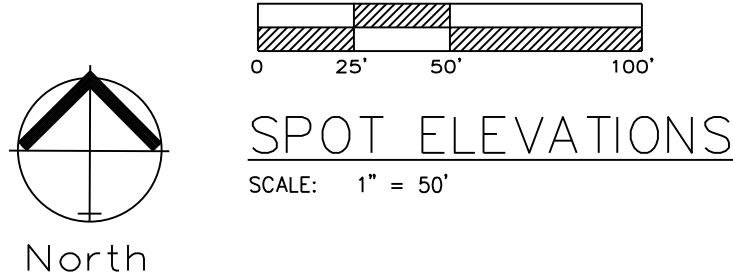


1. Contractor is responsible for verifying all existing utility locations prior to excavation
2. There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction
3. No part of the project lies within the 100 year flood plain
4. All erosion and sediment control measures need to be implemented prior to construction
5. Additional erosion control may be required by the City Engineer, Design Engineer or Owner at any time problematic areas are noted in the field or existing measures are found to be ineffective
6. Soil Stabilization of disturbed areas shall be completed within 14 days of construction completion
7. Contractor responsible for all density testing of roadway subgrade and granular base.

[illegible]

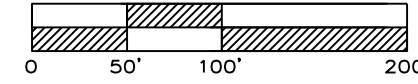
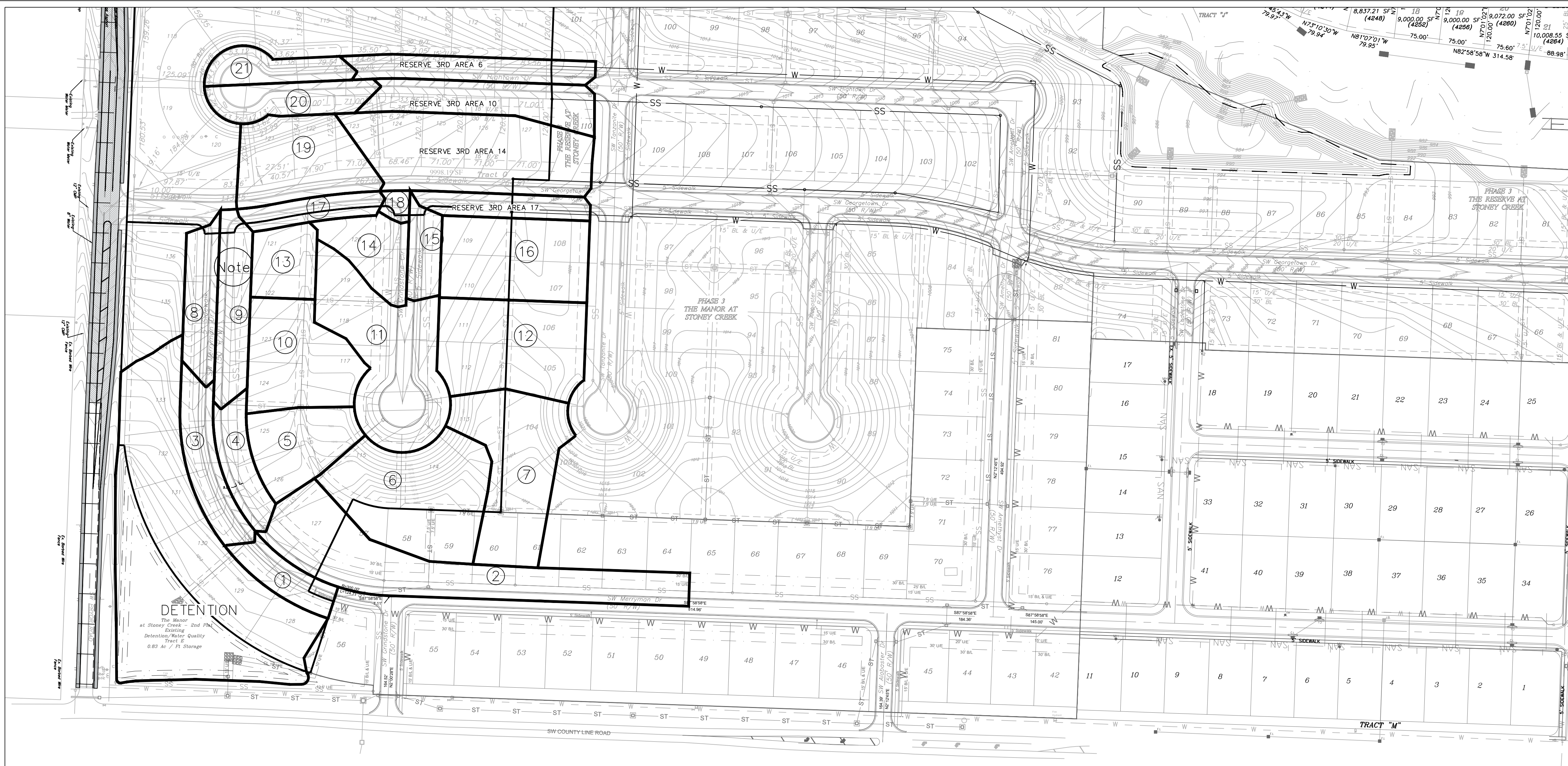
NOTE: Swale should be lined with "Straw with Net" turf reinforcement (Curlex Blanket or Eqv.) .
Per Table 5607-1 in APWA Manual





Lot	Number	Basement Type	MBOE Lt.	MBOE Rt.
109	Daylight		1022.00	1022.00
110	Daylight		1022.00	1021.03
111	Daylight/Walkout		1021.03	1019.59
112	Daylight/Walkout		1019.59	1018.15
113	Daylight/Walkout		1018.15	1015.07
114	Walkout		1015.07	1015.50
115	Walkout		1015.50	1017.24
116	Daylight		1017.24	1023.47
117	Full		1023.47	1025.82
118	Full		1025.82	1027.60
119	Full		1027.60	1030.89
120	Full		1030.89	1032.21
121	Full		1032.21	1029.70
122	Full/Daylight		1029.70	1027.31
123	Full/Daylight		1027.31	1024.64
124	Full/Daylight		1024.64	1021.20
125	Full/Daylight		1021.20	1019.90
126	Full/Daylight		1019.90	1017.25
127	Full		1017.25	1016.25
128	Daylight		1012.82	1012.82
129	Daylight		1012.82	1012.82
130	Daylight		1012.82	1012.82
131	Daylight/Walkout		1012.82	1012.82
132	Daylight/Walkout		1014.75	1018.35
133	Daylight/Walkout		1018.35	1020.65
134	Daylight/Walkout		1020.65	1024.00
135	Daylight/Walkout		1024.00	1027.70
136	Daylight		1027.70	1027.70

"AS-BUILT"
900.10
~~900.00~~ Indicates data replaced with "As-Built"
information. All other data is as designed
and has not been field verified.



DRAINAGE AREA MAP

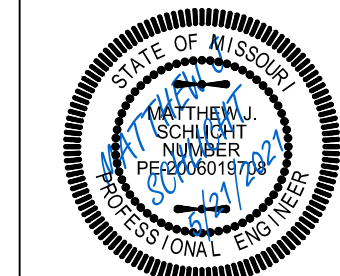
SCALE: 1" = 100'

Drainage Area	Area Sq. Ft.	Area Ac.
1	10057.25	0.23
2	56598.12	1.30
3	16170.5	0.37
4	11883.94	0.27
5	20519.85	0.47
6	43928.99	1.01
7	37720.92	0.87
8	13781.71	0.32
9	16826.56	0.39
10	29334.69	0.67
11	44019.84	1.01
12	37589.96	0.86
13	12668.28	0.29
14	14547.61	0.33
15	8364.55	0.19
16	33381.6	0.77
17	9224.51	0.21
18	2238.52	0.05
19	28448.12	0.65
20	15039.79	0.35
21	11369.09	0.26
Detention	102259.96	2.35

APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : The Manor at Stoney Creek - 4th Plat																						
yellow areas are self computing overwrite if necessary				Surface types: Asph/ConcBus/Com Dirt Grass/Park Lake MultFam SnglFam Undev Other																		
SURFACE CODES				"C" Values 0.90 0.87 0.60 0.30 0.90 0.66 0.51 0.3																		
[TOTAL WATERSHED]				Overwrite Length - DnElev or Slope if necessary							SURFACE CODE P=Paved U=Unpaved if necessary											
				OVERLAND FLOW - 100' MAX							CHANNEL FLOW - FIRST REACH											
AREA ID	TOTAL ACRES	WTRSHD LENGTH	UP ELEV	DN ELEV	SURFACE CODE	"C" VALUE	OVRLND LENGTH	UP ELEV	DN ELEV	SLOPE %	P or CHANNEL LENGTH	UP ELEV	DN ELEV	SLOPE %	VELOCITY F/S	Cal Overland Flow T(I)	Used Min 5 Max 15	Cal Channel One T(T)	Cal Channel Two T(T)	Total T@ 10	AREA ID	
1	0.23	212.0	1016.0	1013.0	S	0.51	50.0	1016.0	1015.0	2.0	P	162.0	1015.0	1013.0	1.23	2.3	6.0	6.0	1.2	0.0	7.2	1.0
2	1.20	475.0	1015.5	1012.3	S	0.51	42.0	1015.5	1014.7	2.0	P	433.0	1014.7	1012.3	0.54	1.5	5.4	5.4	0.8	0.0	10.3	2.0
3	0.37	329.0	1026.2	1015.0	S	0.51	59.0	1026.2	1025.0	2.0	P	270.0	1025.0	1015.0	3.70	3.9	6.4	6.4	1.2	0.0	7.6	3.0
4	0.27	269.0	1025.1	1015.0	S	0.51	54.0	1025.1	1024.0	2.0	P	215.0	1024.0	1015.0	4.19	4.2	6.2	6.2	0.9	0.0	7.1	4.0
5	0.47	202.0	1022.0	1017.0	S	0.51	90.0	1022.0	1020.0	2.2	U	112.0	1020.0	1017.0	2.68	2.6	7.7	7.7	0.7	0.0	8.4	5.0
6	1.01	261.0	1021.0	1010.0	S	0.51	100.0	1021.0	1016.1	4.9	U	161.0	1016.1	1010.0	3.79	3.1	6.3	6.3	0.9	0.0	7.1	6.0
7	0.87	246.0	1023.0	1010.0	S	0.51	100.0	1023.0	1015.5	7.5	U	146.0	1015.5	1010.0	3.77	3.1	5.4	5.4	0.8	0.0	6.2	7.0
8	0.32	281.0	1032.8	1025.5	S	0.51	42.0	1032.8	1032.0	2.0	P	239.0	1032.0	1025.5	2.72	3.4	5.5	5.5	1.2	0.0	6.7	8.0
9	0.39	319.0	1032.9	1024.2	S	0.51	44.0	1032.9	1032.0	2.0	P	275.0	1032.0	1024.2	2.84	3.4	5.6	5.6	1.3	0.0	6.9	9.0
10	0.67	247.0	1030.3	1020.0	S	0.51	92.0	1030.3	1024.3	6.5	U	155.0	1024.3	1020.0	2.77	2.7	5.5	5.5	1.0	0.0	6.4	10.0
11	1.01	367.0	1030.3	1022.0	S	0.51	100.0	1030.3	1026.5	3.8	U	267.0	1026.5	1022.0	1.69	2.6	6.8	6.8	1.7	0.0	8.5	11.0
12	0.86	232.0	1024.2	1017.0	S	0.51	100.0	1024.2	1019.9	4.3	U	132.0	1019.9	1017.0	2.20	2.4	6.5	6.5	0.9	0.0	7.5	12.0
13	0.29	162.0	1031.9	1026.4	S	0.51	99.0	1031.9	1028.6	3.3	U	63.0	1028.6	1026.4	3.49	3.0	7.1	7.1	0.3	0.0	7.4	13.0
14	0.33	239.0	1030.9	1024.5	S	0.51	100.0	1030.9	1028.0	2.9	P	139.0	1028.0	1024.5	2.52	3.2	7.4	7.4	0.7	0.0	8.2	14.0
15	0.19	162.0	1026.9	1024.5	S	0.51	46.0	1026.9	1026.0	2.0	P	116.0	1026.0	1024.5	1.29	2.3	5.7	5.7	0.8	0.0	6.6	15.0
16	0.77	222.0	1026.9	1019.9	S	0.51	100.0	1026.9	1021.7	5.2	P	122.0	1021.7	1019.9	1.48	2.5	6.1	6.1	0.8	0.0	6.9	16.0
17	0.21	265.0	1033.4	1027.5	S	0.51	33.0	1033.4	1032.7	2.0	P	232.0	1032.7	1027.5	2.24	3.0	4.8	5.0	1.3	0.0	6.3	17.0
18	0.05	72.0	1027.8	1026.0	S	0.51	23.0	1027.8	1027.3	2.0	P	49.0	1027.3	1026.0	2.65	3.3	4.0	5.0	0.2	0.0	5.2	18.0
19	0.65	360.0	1037.2	1027.5	S	0.51	100.0	1037.2	1033.5	3.7	P	260.0	1033.5	1027.5	2.31	3.1	6.9	6.9	1.4	0.0	8.3	19.0
20	0.35	315.0	1038.0	1032.0	S	0.51	26.0	1038.0	1037.5	2.0	P	289.0	1037.5	1032.0	1.89	2.8	4.3	5.0	1.7	0.0	6.7	20.0
21	0.26	276.0	1038.0	1033.0	S	0.51	26.0	1038.0	1037.5	2.0	P	250.0	1037.5	1033.0	1.78	2.7	4.3	5.0	1.5	0.0	6.5	21.0
Detention	2.35	N/A			Z	0.42															Detention	

AREAS 19, 20 AND 21 ARE LOCATED IN THE RESERVE AT STONEY CREEK 4TH PLAT

Master Drainage Map 3 of 3:
Drainage Area Map
Construction Plans for:
The Manor at Stoney Creek - 4th Plat
Lee's Summit, Jackson County, Missouri



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

REVISIONS
5/21/2021 As-Built
REV. 10/8/21



Professional Registration
Missouri
Engineering 2006019708-D
Surveying 200500619-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

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