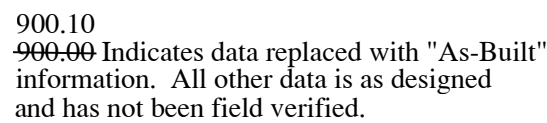
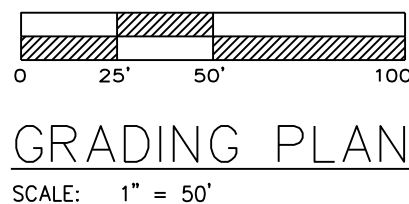
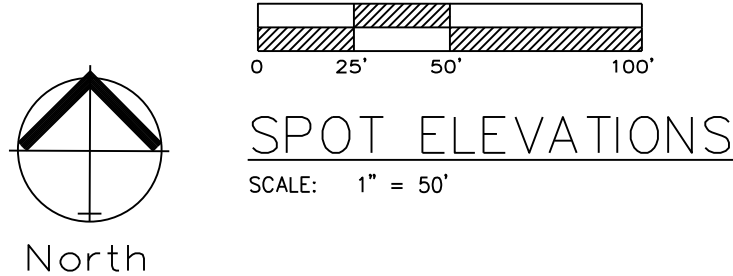


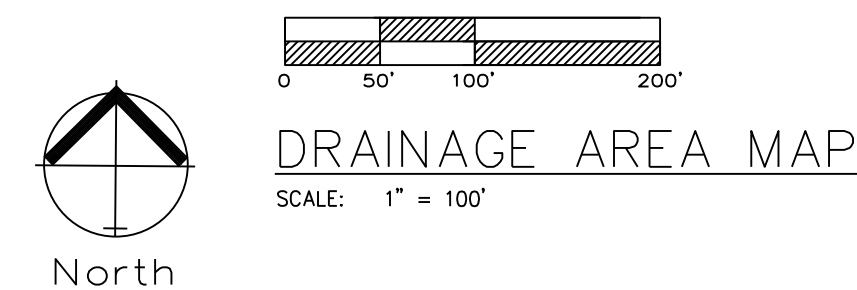
1. Contractor is responsible for verifying all existing utility locations prior to excavation
2. There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction
3. No part of the project lies within the 100 year flood plain
4. All erosion and 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]



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.

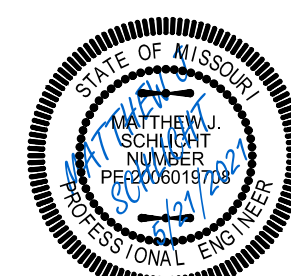


APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : The Manor at Stoney Creek - 4th Plat																						
yellow areas are self computing overwrite if necessary					Surface types: Asph/ConcBus/Com Dirt Grass/Park Lake MultFam SnglFam Undev Other SURFACE CODES A B D G M S O Z "C" Values 0.90 0.87 0.60 0.30 0.90 0.66 0.51 0.3										TC COMPUTATION							
TOTAL WATERSHED					Overlap 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 U	CHANNEL LENGTH	UP ELEV	DN ELEV	SLOPE %	VELOCITY F/S	Cal Overland Flow T(T)	Used Min 5 Max 15 T(T)	Cal Channel One T(T)	Cal Channel Two T(T)	Total TC 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	P	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	1027.5	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

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

C.202



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS

5/21/2021 As-Buil

REV. 11-14-19

C.202

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