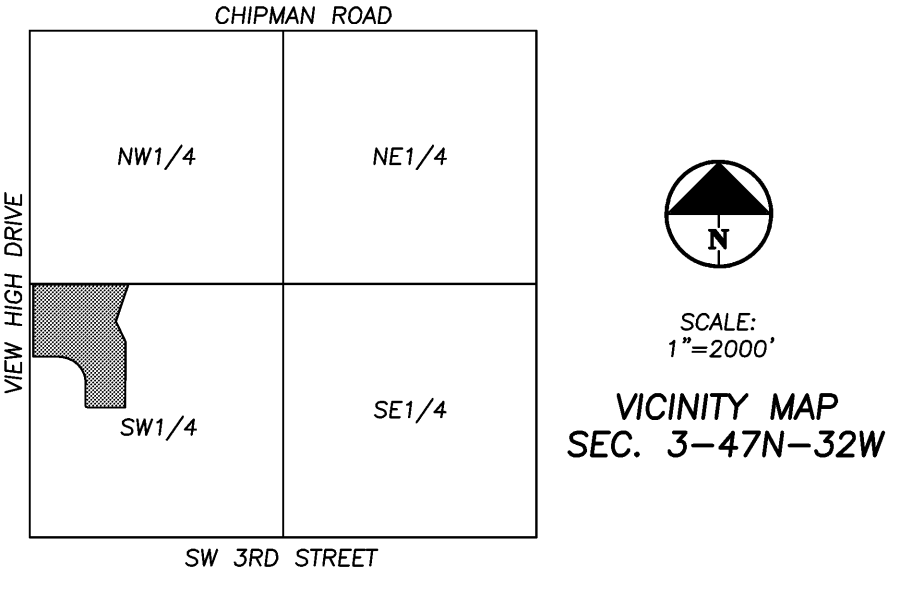
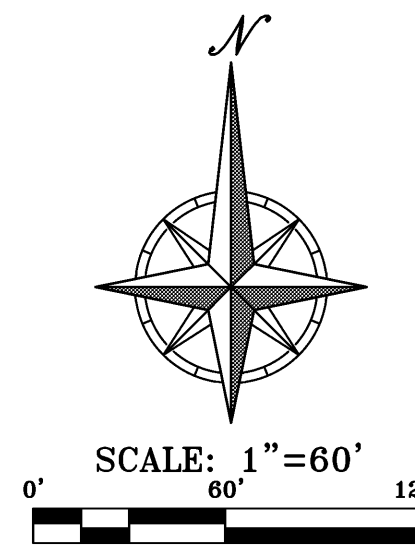
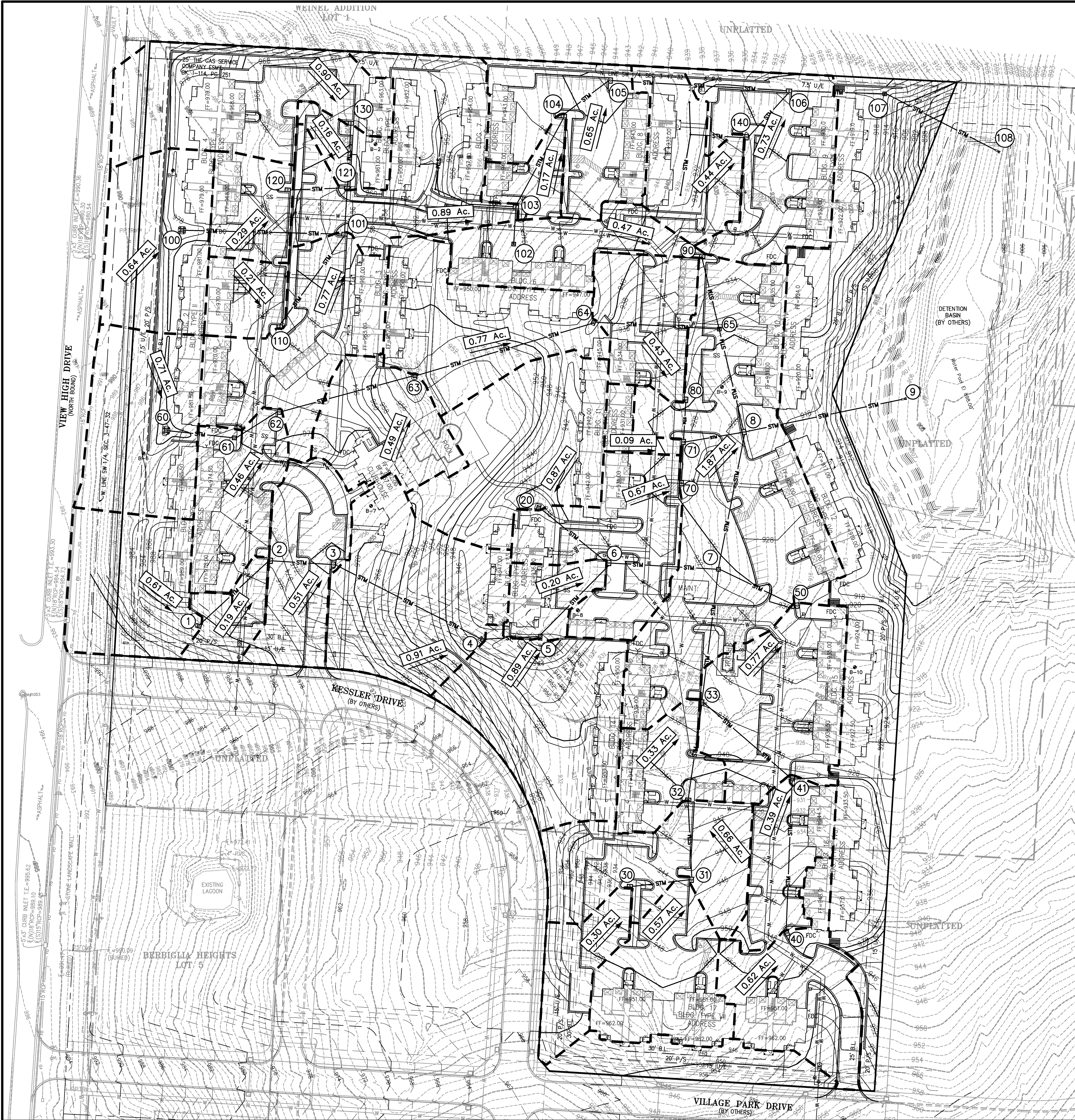




FLOOD NOTE:
THIS PROPERTY LIES WITHIN ZONE X, DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON THE FLOOD INSURANCE RATE MAP PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR THE CITY OF LEE'S SUMMIT, COMMUNITY NO. 280174, JACKSON COUNTY, MISSOURI, MAP NO. 28095C02877, AND DATED SEPTEMBER 29, 2006.

- LEGEND:**
- 942 --- EXISTING CONTOUR
 - - - 942 - - FUTURE EXISTING CONTOUR
 - 942 — PROPOSED CONTOUR
 - — — DRAINAGE BOUNDARY
 - B.L. BUILDING LINE
 - U/E UTILITY EASEMENT
 - P/S PARKING SETBACK

DRAINAGE CALCULATIONS

100 YR. STORM DESIGN, MANNING'S N=0.013 K10=1.0, K100=1.25

POINT	DISTANCE (FT)	GRADE (%)	SIZE (IN)	CAP (CFS)	C	A (ACRES)	AC	ACCUM AC	Tc (MINUTES)	10-YR I (IN/HR)	100-YR I (IN/HR)	10-YR RUNOFF (CFS)	100-YR RUNOFF (CFS)	TT (MINUTES)
1	119.63	1.00	15	6.5	0.66	0.61	0.40	0.49	5.0	7.35	10.32	2.9	5.2	0.4
2	75.90	1.00	18	10.5	0.66	0.19	0.13	0.53	5.4	7.23	10.16	3.6	6.7	0.3
3	207.54	1.00	24	22.6	0.66	0.51	0.34	0.87	5.7	7.14	10.04	6.2	10.9	0.7
4	71.22	1.00	24	22.6	0.66	0.91	0.60	1.47	6.4	6.94	9.77	10.2	18.0	0.2
5	123.62	1.00	30	41.0	0.66	0.89	0.59	2.06	6.6	6.89	9.70	14.2	25.0	0.4
6	136.01	1.00	30	41.0	0.66	0.20	0.00	2.63	7.0	6.78	9.55	17.6	31.4	0.5
7	172.19	1.00	36	66.7	0.66	0.00	0.00	5.05	7.5	6.66	9.38	33.6	59.2	0.6
8	196.16	1.00	48	143.6	0.66	1.87	1.23	8.97	8.1	6.51	9.18	58.4	102.9	0.7
9														
20	109.51	1.00	18	10.5	0.66	0.87	0.57	0.57	5.0	7.35	10.32	4.2	7.4	0.4
30	76.52	1.00	15	6.5	0.66	0.30	0.20	0.20	5.0	7.35	10.32	1.5	2.6	0.3
31	98.50	1.00	18	10.5	0.66	0.57	0.38	0.58	5.0	7.35	10.32	4.3	7.5	0.3
32	121.40	1.00	24	22.6	0.66	0.66	0.44	1.02	5.3	7.26	10.20	7.4	13.0	0.4
33	165.35	1.00	30	41.0	0.66	0.33	0.22	1.91	5.7	7.14	10.04	13.6	24.0	0.6
40	191.74	1.00	15	6.5	0.66	0.62	0.41	0.41	5.0	7.35	10.32	3.0	5.3	0.6
33	144.52	1.00	18	10.5	0.66	0.39	0.26	0.67	5.0	7.35	10.32	4.9	8.6	0.5
50	106.06	1.00	18	10.5	0.66	0.77	0.51	0.51	0.0	9.31	12.93	4.7	8.2	0.4
60	54.57	1.00	15	6.5	0.66	0.71	0.47	0.47	5.0	7.35	10.32	3.5	6.1	0.2
61	61.20	1.00	15	6.5	0.66	0.00	0.00	0.47	5.0	7.35	10.32	3.5	6.1	0.2
62	172.91	1.00	18	10.5	0.66	0.46	0.30	0.77	5.0	7.35	10.32	5.7	9.9	0.6
63	230.45	1.00	24	22.6	0.66	0.49	0.32	1.09	5.0	7.35	10.32	8.0	14.1	0.8
64	154.97	1.00	24	22.6	0.66	0.77	0.51	1.60	5.0	7.35	10.32	11.8	20.6	0.5
65	130.60	1.00	30	41.0	0.66	0.00	0.00	1.91	5.0	7.35	10.32	14.0	24.6	0.4
70	50.97	1.00	15	6.5	0.66	0.67	0.44	0.44	5.0	7.35	10.32	3.2	5.7	0.2
8	75.69	1.00	18	10.5	0.66	0.09	0.06	0.78	5.0	7.35	10.32	5.7	10.1	0.3
80	52.00	1.00	15	6.5	0.66	0.43	0.28	0.28	5.0	7.35	10.32	2.1	3.6	0.2
90	92.85	1.00	15	6.5	0.66	0.47	0.31	0.31	5.0	7.35	10.32	2.3	4.0	0.3
100	200.43	1.00	15	6.5	0.66	0.64	0.42	0.42	5.0	7.35	10.32	3.1	5.4	0.7
101	208.96	1.00	30	41.0	0.66	0.77	0.51	1.96	5.7	7.14	10.04	14.0	24.0	0.7
102	45.69	1.00	30	41.0	0.66	0.00	0.00	1.96	6.4	6.94	9.77	13.6	23.9	0.2
103	126.76	1.00	30	41.0	0.66	0.89	0.59	2.55	6.6	6.89	9.70	17.6	30.9	0.4
104	72.34	1.00	30	41.0	0.66	0.17	0.11	2.66	7.0	6.78	9.55	18.0	31.8	0.2
105	220.36	1.00	30	41.0	0.66	0.65	0.00	2.66	7.2	6.73	9.48	17.9	31.5	0.7
106	117.98	1.00	30	41.0	0.66	0.73	0.48	3.43	7.9	6.55	9.24	22.5	39.6	0.4
107	152.85	1.00	30	41.0	0.66	0.00	0.00	3.43	8.3	6.46	9.11	22.2	39.1	0.5
108														
110	139.09	1.00	15	6.5	0.66	0.21	0.14	0.14	5.0	7.35	10.32	1.0	1.8	0.5
120	73.28	1.00	15	6.5	0.66	0.29	0.19	0.19	5.0	7.35	10.32	1.4	2.5	0.2
121	57.00	1.00	24	22.6	0.66	0.16	0.11	0.89	5.0	7.35	10.32	6.5	11.5	0.2
130	80.00	1.00	18	10.5	0.66	0.90	0.59	0.59	5.0	7.35	10.32	4.3	7.6	0.3
140	77.53	1.00	15	6.5	0.66	0.44	0.29	0.29	5.0	7.35	10.32	2.1	3.7	0.3
106														

DRAINAGE MAP
APARTMENTS – VILLAGE AT VIEW HIGH
LEE'S SUMMIT, MISSOURI

PROJECT NO.	150376	No.	1	Date	9-14-16
DATE:	7-22-16	DRAWN:	JMO	DESIGNED:	DEU
APPROVED:					
CERTIFICATE OF AUTHORIZATION					
LAND SURVEYING-2007010128					
ENGINEERING-260705058					