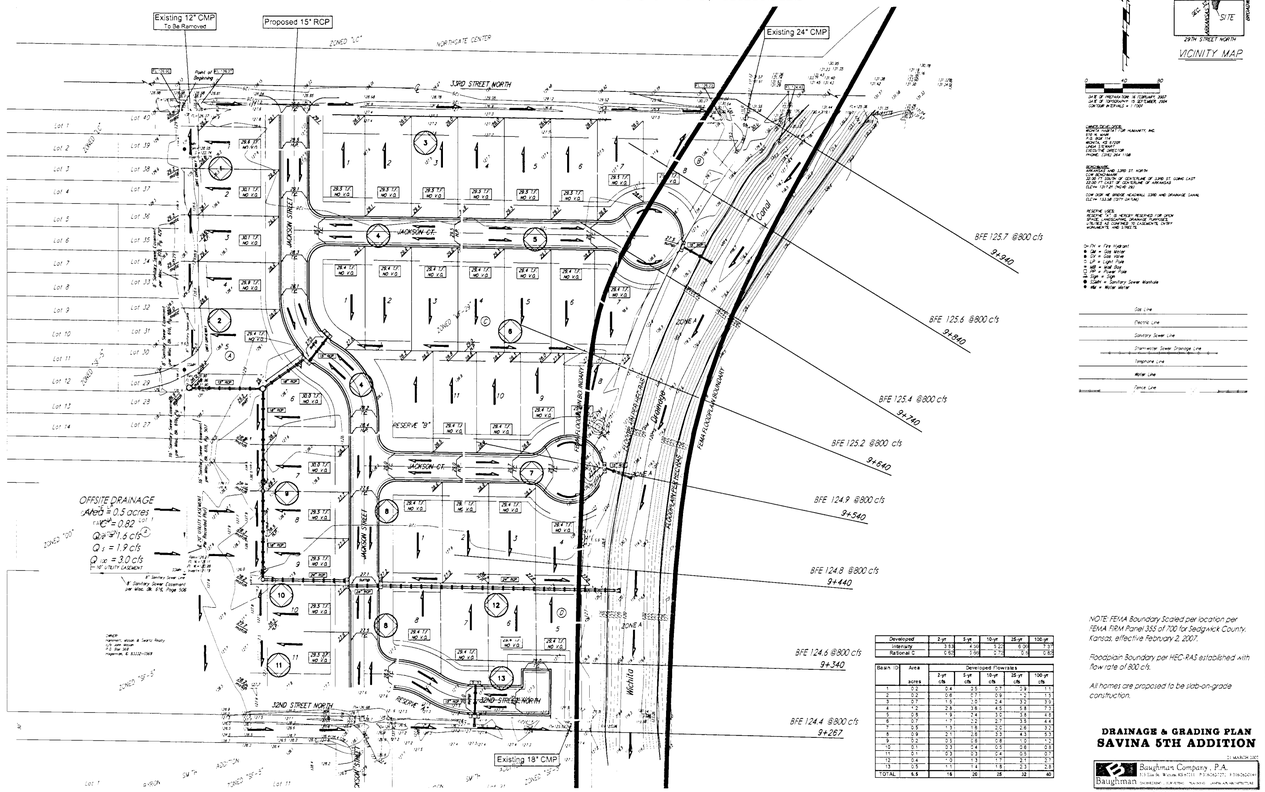
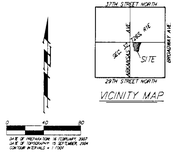
DRAINAGE & GRADING PLAN

SAVINA 5TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS





Developed	2-yr	5-yr	10-yr	25-yr	100-yr
Intensity	3.58	4.00	5.25	6.25	7.5
Rational C	0.63	0.66	0.69	0.72	0.82

Basin ID	Area	Developed Flowrates				
		2-yr c/s	5-yr c/s	10-yr c/s	25-yr c/s	100-yr c/s
1	0.2	0.4	0.5	0.7	0.9	1.1
2	0.2	0.6	0.7	0.9	1.0	1.3
3	0.7	1.5	1.7	2.4	3.2	3.3
4	0.2	0.5	0.6	0.7	0.8	1.0
5	0.5	1.1	1.4	1.7	2.0	2.3
6	0.5	1.1	1.4	1.7	2.0	2.3
7	0.5	1.1	1.4	1.7	2.0	2.3
8	0.9	2.1	2.6	3.3	4.0	5.3
9	0.2	0.5	0.6	0.8	1.0	1.2
10	0.1	0.3	0.4	0.5	0.6	0.8
11	0.1	0.3	0.3	0.4	0.5	0.7
12	0.4	1.0	1.3	1.7	2.1	2.7
13	0.5	1.1	1.4	1.8	2.3	2.8
TOTAL	6.5	16	20	25	32	40

NOTE: FEMA Boundary Scaled per location per FEMA FIRM Panel 355 of 700 for Sedgwick County, Kansas, effective February 2, 2007.

Floodplain Boundary per HEC-RAS established with flow rate of 800 c/s.

All homes are proposed to be slab-on-grade construction.

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11 MARCH 08

Baughman Company, P.A.
Baughman