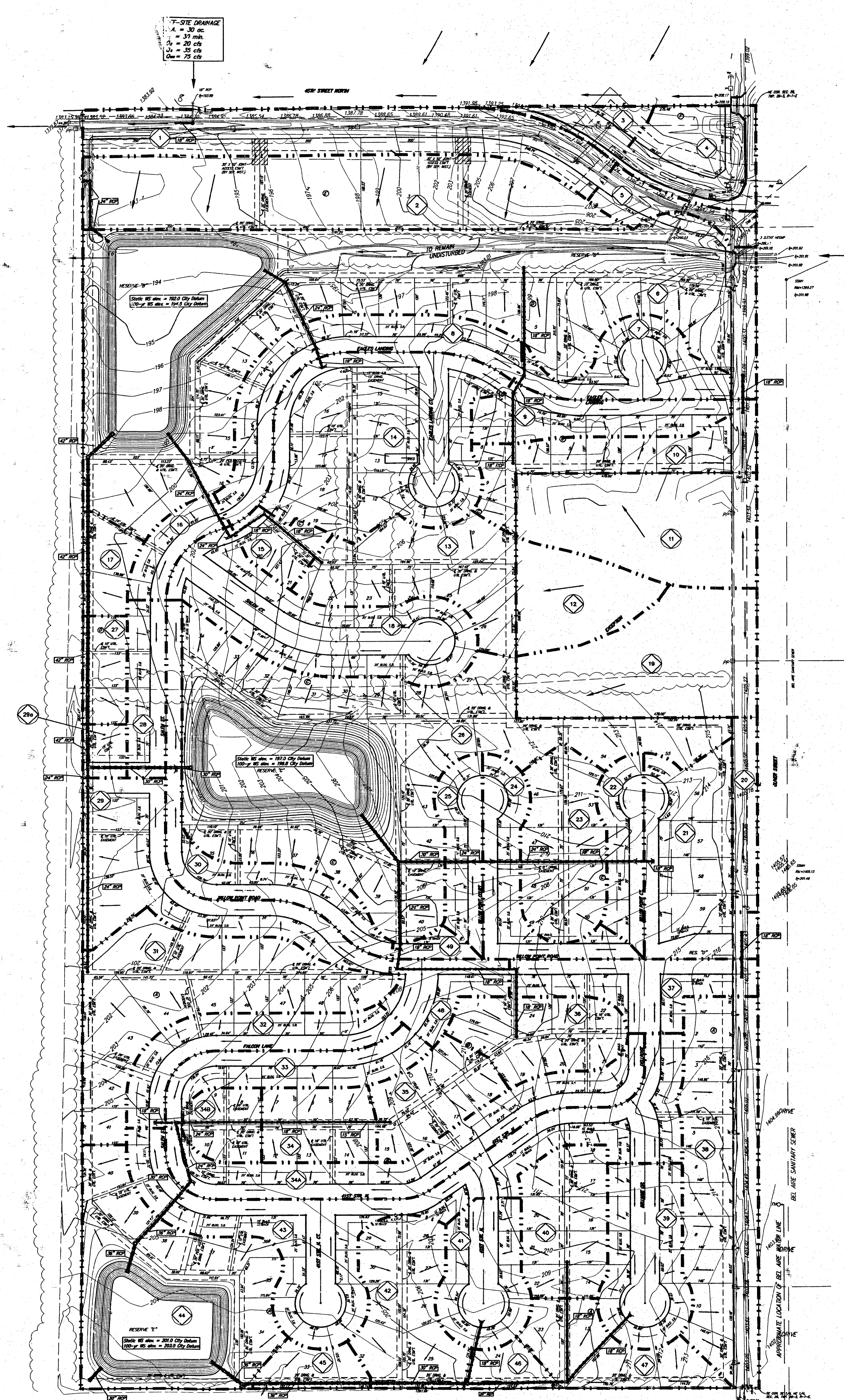


DRAINAGE PLAN

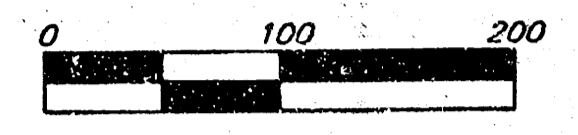
EAGLES LANDING AT NORTH OLIVER

WICHITA, SEDGWICK COUNTY, KANSAS



ON-SITE DRAINAGE
 A = 30 ac.
 $i_p = 30$ mph.
 $i_s = 20$ cfs.
 $i_d = 35$ cfs.
 $i_m = 75$ cfs.

OFF-SITE DRAINAGE
 D.A. = 140 ac.
 $i_p = 30$ mph.
 $i_s = 120$ cfs.
 $i_d = 120$ cfs.
 $i_m = 300$ cfs.



SEDGWICK COUNTY BENCHMARK BRASS CAP
 ON CORNER OF BLOCK
 ELEV. = 1298.66 (M.S.L.)

Basin	Area	Kunitz Coefficient			Peak Flowrate		
		2-yr	5-yr	100-yr	2-yr	5-yr	100-yr
1	2.3	0.50	0.54	0.76	4.4	5.7	13
2	3.4	0.50	0.54	0.76	6.5	8.4	19
3	0.4	0.50	0.54	0.76	0.8	1.0	2.2
4	1.0	0.50	0.54	0.76	1.8	2.5	5.6
5	0.5	0.50	0.54	0.76	1.0	1.2	2.8
6	2.4	0.70	0.82	0.86	25	35	60
7	1.0	0.50	0.54	0.76	1.9	2.5	5.6
8	1.5	0.50	0.54	0.76	2.6	3.7	8.4
9	1.0	0.50	0.54	0.76	1.9	2.5	5.6
10	1.2	0.50	0.54	0.76	2.3	3.0	6.7
11	2.2	0.50	0.54	0.76	4.2	5.4	12
12	1.1	0.50	0.54	0.76	2.1	2.7	6.2
13	1.7	0.50	0.54	0.76	3.3	4.2	9.5
14	3.3	0.50	0.54	0.76	6.3	8.1	19
15	0.4	0.50	0.54	0.76	0.8	1.0	2.2
16	0.5	0.50	0.54	0.76	1.0	1.2	2.8
17	0.4	0.50	0.54	0.76	0.8	1.0	2.2
18	2.8	0.50	0.54	0.76	4.2	5.4	12
19	2.7	0.50	0.54	0.76	4.4	5.7	13
20	0.5	0.50	0.54	0.76	1.0	1.2	2.8
21	1.8	0.50	0.54	0.76	3.4	4.4	10
22	0.7	0.50	0.54	0.76	1.3	1.7	3.9
23	1.4	0.50	0.54	0.76	2.7	3.4	7.8
24	1.0	0.50	0.54	0.76	1.9	2.5	5.6
25	0.7	0.50	0.54	0.76	1.3	1.7	3.9
26	7.0	0.70	0.82	0.86	19	26	44
27	0.5	0.50	0.54	0.76	1.0	1.2	2.8
28	0.7	0.50	0.54	0.76	1.3	1.7	3.9
29	1.9	0.50	0.54	0.76	3.6	4.7	11
29a	0.2	0.50	0.54	0.76	0.4	0.5	1.1
30	1.2	0.50	0.54	0.76	2.3	3.0	6.7
31	2.7	0.50	0.54	0.76	5.2	6.6	15
32	1.1	0.50	0.54	0.76	2.1	2.7	6.2
33	1.0	0.50	0.54	0.76	1.9	2.5	5.6
34	1.3	0.50	0.54	0.76	2.5	3.2	7.3
34a	1.9	0.50	0.54	0.76	3.6	4.7	11
34b	0.8	0.50	0.54	0.76	1.5	2.0	4.5
35	0.9	0.50	0.54	0.76	1.7	2.2	5.0
36	1.1	0.50	0.54	0.76	2.1	2.7	6.2
37	1.6	0.50	0.54	0.76	3.1	3.9	9.0
38	2.6	0.50	0.54	0.76	5.0	6.4	15
39	1.4	0.50	0.54	0.76	2.7	3.4	7.8
40	1.2	0.50	0.54	0.76	2.3	3.0	6.7
41	1.1	0.50	0.54	0.76	2.1	2.7	6.2
42	1.4	0.50	0.54	0.76	2.7	3.4	7.8
43	3.4	0.50	0.54	0.76	6.5	8.4	19
44	3.2	0.70	0.82	0.86	8.6	12	29
45	0.4	0.50	0.54	0.76	0.8	1.0	2.2
46	0.3	0.50	0.54	0.76	0.6	0.7	1.7
47	1.0	0.50	0.54	0.76	1.9	2.5	5.6
48	0.2	0.50	0.54	0.76	0.4	0.5	1.1
49	0.2	0.50	0.54	0.76	0.4	0.5	1.1

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES

LOT	BLOCK	ELEVATION NGVD
34-40	A	205.0
27-38, 41-44	C	201.0
2	D	207.0
3	D	206.0
5	D	204.0
6	D	203.0
7	D	202.5
8	D	201.5
9	D	201.0
10	D	200.5
11	D	198.0
12-18	D	196.5

NOTE: The proposed drainage plan provided herein is a generally defined plan to follow for design. It is recognized and assumed that upon the final design of street and storm sewer improvements within this plat that the designer will modify or alter the general drainage plan as necessary in order to implement the installation of the improvements to obtain the most economical design and construction possible.

Revised 13 APRIL 2001
 & APRIL 2001