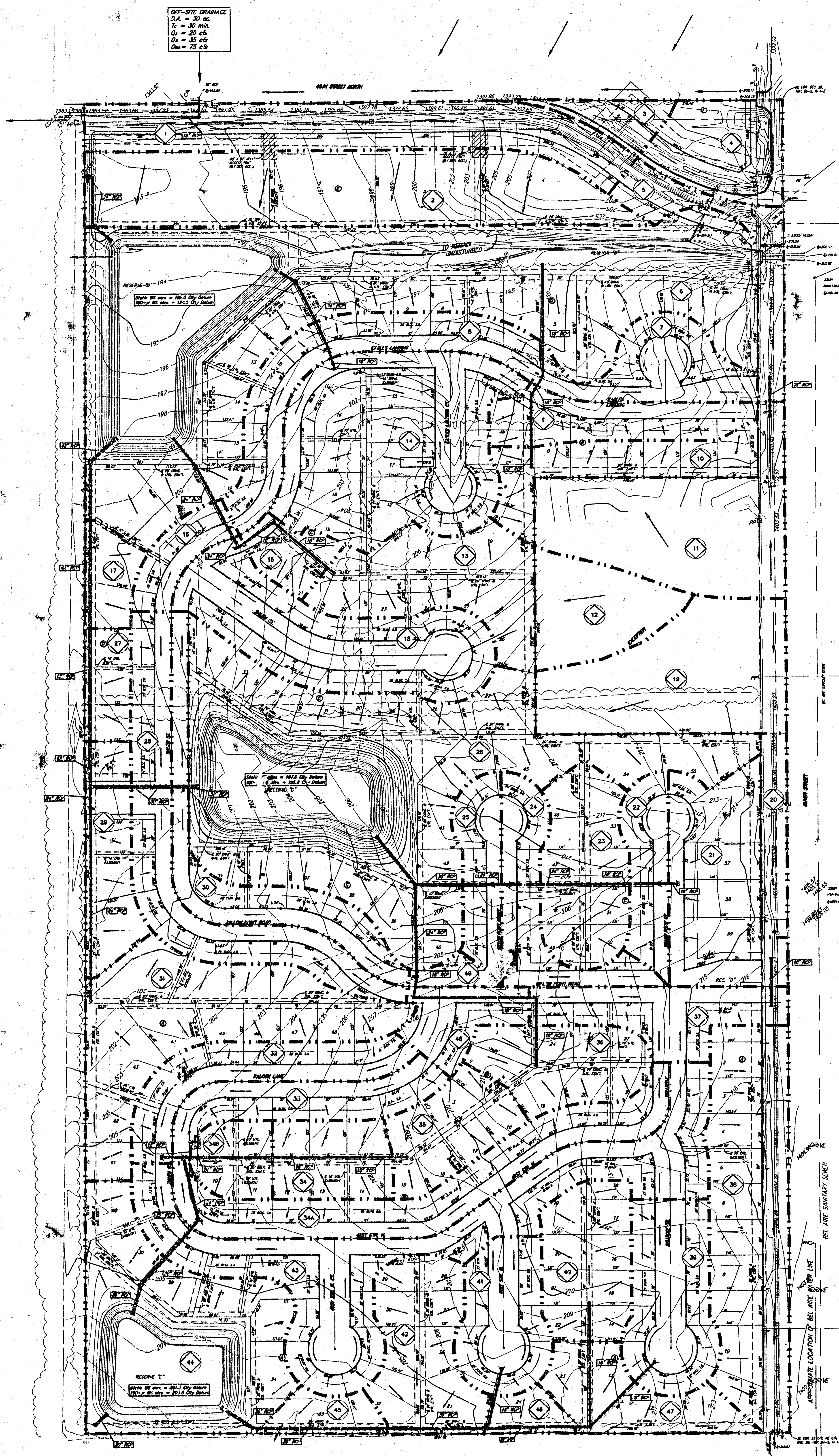


DRAINAGE PLAN EAGLES LANDING AT NORTH OLIVER WICHITA, SEDGWICK COUNTY, KANSAS



OFF-SITE DRAINAGE
 $Q_1 = 30$ cfs
 $Q_2 = 30$ cfs
 $Q_3 = 30$ cfs
 $Q_4 = 30$ cfs
 $Q_5 = 30$ cfs

OFF-SITE DRAINAGE
 $Q_1 = 140$ cfs
 $Q_2 = 35$ cfs
 $Q_3 = 120$ cfs
 $Q_4 = 180$ cfs
 $Q_5 = 330$ cfs

Basin	Area acres	Runoff Coefficients			Peak Flowrate		
		2-yr cfs	5-yr cfs	100-yr cfs	2-yr cfs	5-yr cfs	100-yr cfs
1	2.3	0.50	0.54	0.76	6.1	8.4	19
2	3.1	0.50	0.54	0.76	8.1	11.0	25
3	0.4	0.50	0.54	0.76	0.9	1.0	2.2
4	1.0	0.50	0.54	0.76	1.9	2.5	5.6
5	0.5	0.50	0.54	0.76	1.0	1.2	2.8
6	9.4	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	2.9	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	0.52	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	2.2	0.50	0.54	0.76	4.2	5.4	12
19	2.3	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	18	26	44
27	0.5	0.50	0.54	0.76	1.0	1.2	2.8
28	1.9	0.50	0.54	0.76	3.6	4.7	11
29	1.0	0.50	0.54	0.76	1.9	2.5	5.6
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	1.3	0.50	0.54	0.76	2.7	3.4	7.6
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	20
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

LOT	BLOCK	ELEVATION
34-40	A	205.0
27-33, 41-44	B	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 the plan that the designer will modify or alter the general drainage pattern as necessary in order to implement the installation of the improvements to obtain the most economical design and construction possible.