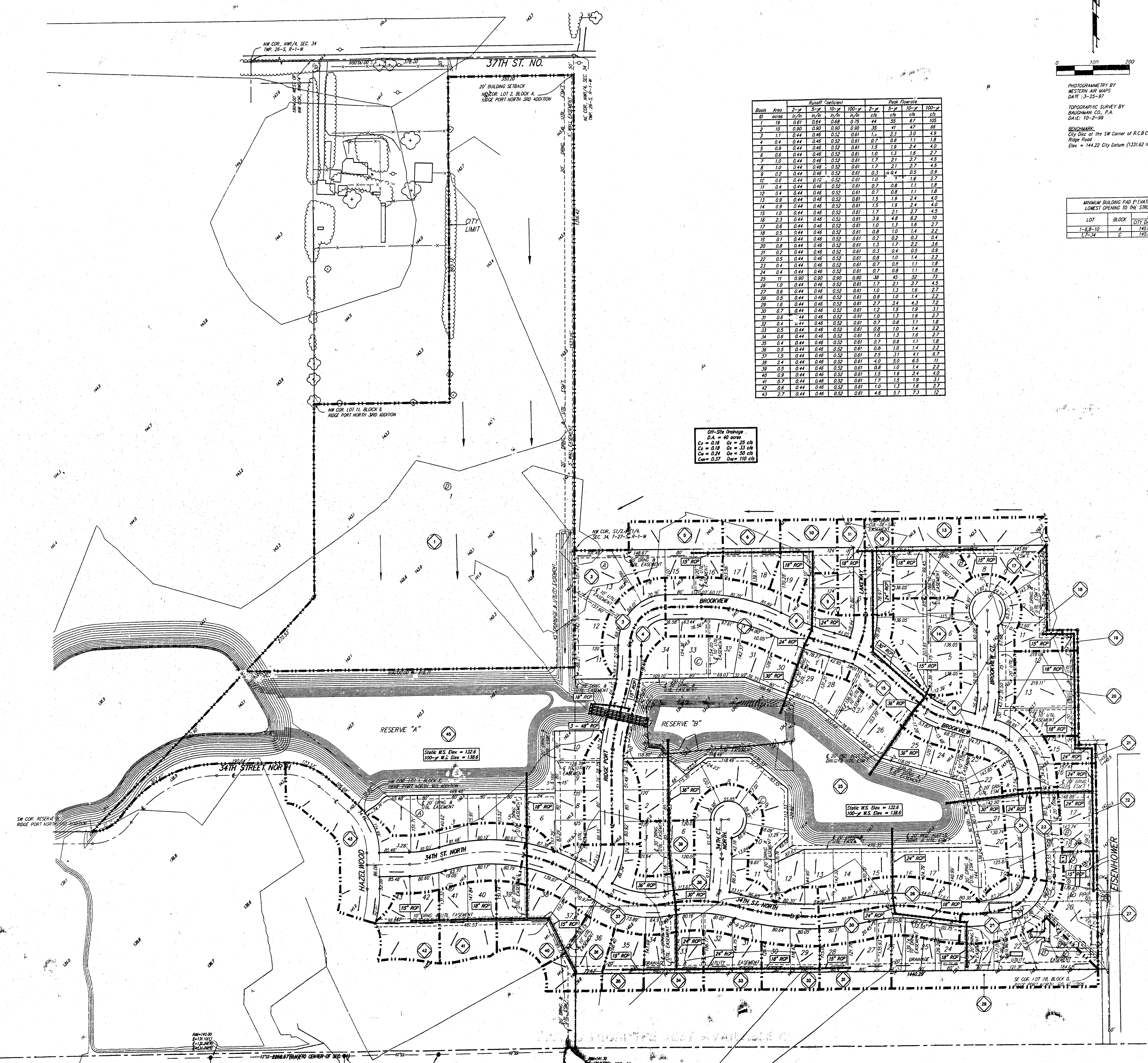


DRAINAGE PLAN

RIDGE PORT NORTH 4TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



Block	Area acres	Runoff Coefficient				Peak Flowrate			
		1-in in/hr	5-in in/hr	10-in in/hr	100-in in/hr	1-in cfs	5-in cfs	10-in cfs	100-in cfs
1	0.01	0.01	0.01	0.01	0.01	44	55	67	105
2	0.01	0.01	0.01	0.01	0.01	44	55	67	105
3	1.1	0.44	0.46	0.52	0.61	15.3	23	30.4	49
4	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
5	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
6	0.6	0.44	0.46	0.52	0.61	1.0	1.3	2.7	4.0
7	1.0	0.44	0.46	0.52	0.61	1.7	2.1	2.7	4.5
8	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
9	0.2	0.44	0.46	0.52	0.61	0.3	0.4	0.5	0.9
10	0.6	0.44	0.46	0.52	0.61	1.0	1.3	1.8	2.9
11	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
12	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
13	0.9	0.44	0.46	0.52	0.61	1.5	1.9	2.4	4.0
14	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
15	1.0	0.44	0.46	0.52	0.61	1.7	2.1	2.7	4.5
16	2.3	0.44	0.46	0.52	0.61	3.9	4.8	6.2	10
17	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
18	0.5	0.44	0.46	0.52	0.61	0.8	1.0	1.4	2.2
19	0.1	0.44	0.46	0.52	0.61	0.2	0.2	0.3	0.4
20	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
21	0.2	0.44	0.46	0.52	0.61	0.3	0.4	0.5	0.9
22	0.5	0.44	0.46	0.52	0.61	0.8	1.0	1.4	2.2
23	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
24	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
25	1.1	0.44	0.46	0.52	0.61	1.9	2.3	2.9	4.7
26	0.2	0.44	0.46	0.52	0.61	0.3	0.4	0.5	0.9
27	0.6	0.44	0.46	0.52	0.61	1.0	1.3	1.8	2.9
28	0.5	0.44	0.46	0.52	0.61	0.8	1.0	1.4	2.2
29	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
30	0.7	0.44	0.46	0.52	0.61	1.2	1.5	1.9	3.1
31	0.8	0.44	0.46	0.52	0.61	1.4	1.7	2.2	3.6
32	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
33	0.5	0.44	0.46	0.52	0.61	0.8	1.0	1.4	2.2
34	0.6	0.44	0.46	0.52	0.61	1.0	1.3	1.8	2.9
35	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
36	0.5	0.44	0.46	0.52	0.61	0.8	1.0	1.4	2.2
37	1.5	0.44	0.46	0.52	0.61	2.5	3.3	4.1	6.7
38	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
39	0.5	0.44	0.46	0.52	0.61	0.8	1.0	1.4	2.2
40	0.9	0.44	0.46	0.52	0.61	1.5	1.9	2.4	4.0
41	0.4	0.44	0.46	0.52	0.61	0.7	0.9	1.3	2.1
42	0.6	0.44	0.46	0.52	0.61	1.0	1.3	1.8	2.9
43	2.7	0.44	0.46	0.52	0.61	4.8	5.7	7.3	12

PHOTOGRAPHY BY
WESTERN AIR MAPS
DATE: 3-25-97

TOPOGRAPHIC SURVEY BY
BRADSHAW CO., P.A.
DATE: 10-2-99

BENCHMARK:
City Elev. at the SW Corner of R.C.R. for Big Slough At
Ridge Port
Elev. = 144.22 City Datum (1331.62 NGVD)

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES			
LOT	BLOCK	CITY DATUM	ELEVATION
1-68-10	A	140.6	139.0
1-7-14	C	140.8	139.0

Off-Site Drainage
C_s = 0.15 C_s = 25 cfs
C_s = 0.15 C_s = 33 cfs
C_s = 0.15 C_s = 50 cfs
C_s = 0.15 C_s = 110 cfs