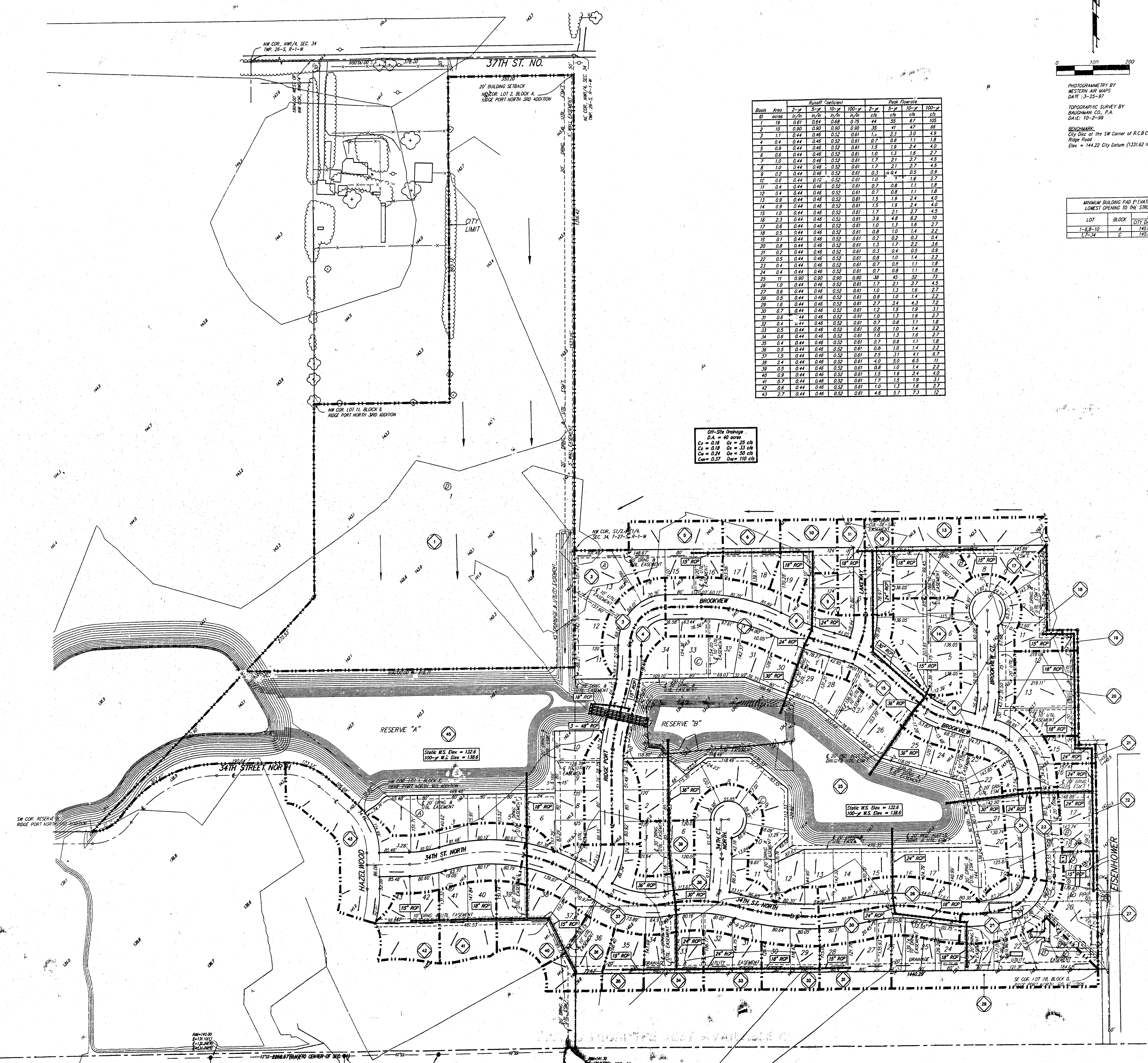


DRAINAGE PLAN

RIDGE PORT NORTH 4TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



Block	Area acres	Runoff Coefficient				Peak Flowrate			
		1-in in/hr	2-in in/hr	10-in in/hr	100-in in/hr	1-in cfs	2-in cfs	10-in cfs	100-in cfs
1	0.01	0.01	0.01	0.01	0.01	44	55	67	105
2	0.02	0.02	0.02	0.02	0.02	88	110	134	210
3	0.03	0.03	0.03	0.03	0.03	132	165	201	315
4	0.04	0.04	0.04	0.04	0.04	176	220	268	420
5	0.05	0.05	0.05	0.05	0.05	220	275	335	525
6	0.06	0.06	0.06	0.06	0.06	264	330	402	630
7	0.07	0.07	0.07	0.07	0.07	308	385	464	735
8	0.08	0.08	0.08	0.08	0.08	352	440	528	840
9	0.09	0.09	0.09	0.09	0.09	396	495	594	945
10	0.10	0.10	0.10	0.10	0.10	440	550	660	1050
11	0.11	0.11	0.11	0.11	0.11	484	605	726	1155
12	0.12	0.12	0.12	0.12	0.12	528	660	792	1260
13	0.13	0.13	0.13	0.13	0.13	572	715	854	1365
14	0.14	0.14	0.14	0.14	0.14	616	770	916	1470
15	0.15	0.15	0.15	0.15	0.15	660	825	978	1575
16	0.16	0.16	0.16	0.16	0.16	704	880	1040	1680
17	0.17	0.17	0.17	0.17	0.17	748	935	1102	1785
18	0.18	0.18	0.18	0.18	0.18	792	990	1164	1890
19	0.19	0.19	0.19	0.19	0.19	836	1045	1226	1995
20	0.20	0.20	0.20	0.20	0.20	880	1100	1288	2100
21	0.21	0.21	0.21	0.21	0.21	924	1155	1350	2205
22	0.22	0.22	0.22	0.22	0.22	968	1210	1412	2310
23	0.23	0.23	0.23	0.23	0.23	1012	1265	1474	2415
24	0.24	0.24	0.24	0.24	0.24	1056	1320	1536	2520
25	0.25	0.25	0.25	0.25	0.25	1100	1375	1598	2625
26	0.26	0.26	0.26	0.26	0.26	1144	1430	1660	2730
27	0.27	0.27	0.27	0.27	0.27	1188	1485	1722	2835
28	0.28	0.28	0.28	0.28	0.28	1232	1540	1784	2940
29	0.29	0.29	0.29	0.29	0.29	1276	1595	1846	3045
30	0.30	0.30	0.30	0.30	0.30	1320	1650	1908	3150
31	0.31	0.31	0.31	0.31	0.31	1364	1705	1970	3255
32	0.32	0.32	0.32	0.32	0.32	1408	1760	2032	3360
33	0.33	0.33	0.33	0.33	0.33	1452	1815	2094	3465
34	0.34	0.34	0.34	0.34	0.34	1496	1870	2156	3570
35	0.35	0.35	0.35	0.35	0.35	1540	1925	2218	3675
36	0.36	0.36	0.36	0.36	0.36	1584	1980	2280	3780
37	0.37	0.37	0.37	0.37	0.37	1628	2035	2342	3885
38	0.38	0.38	0.38	0.38	0.38	1672	2090	2404	3990
39	0.39	0.39	0.39	0.39	0.39	1716	2145	2466	4095
40	0.40	0.40	0.40	0.40	0.40	1760	2200	2528	4200
41	0.41	0.41	0.41	0.41	0.41	1804	2255	2590	4305
42	0.42	0.42	0.42	0.42	0.42	1848	2310	2652	4410
43	0.43	0.43	0.43	0.43	0.43	1892	2365	2714	4515

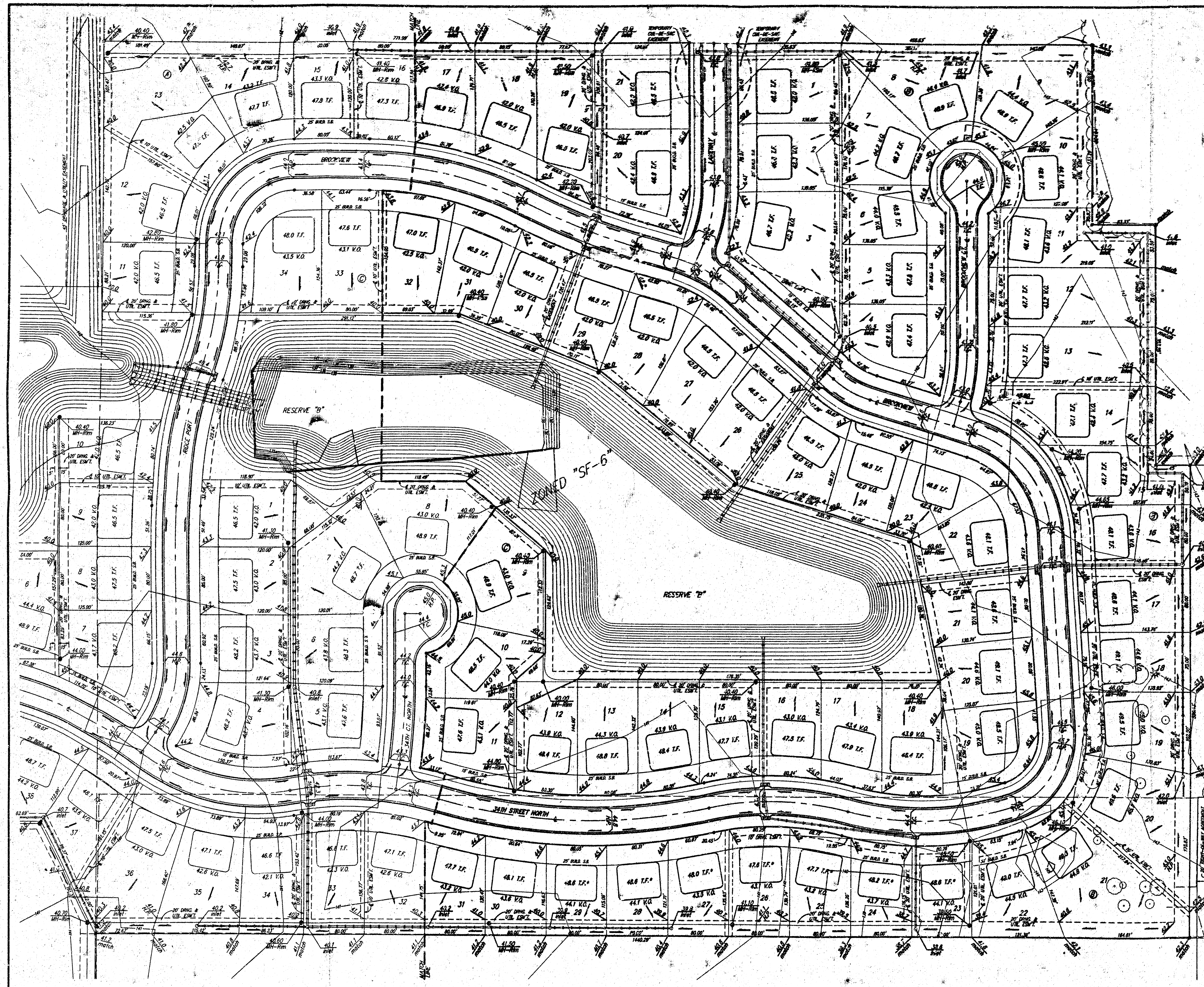
PHOTOGRAPHY BY
WESTERN AIR MAPS
DATE: 3-25-97

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

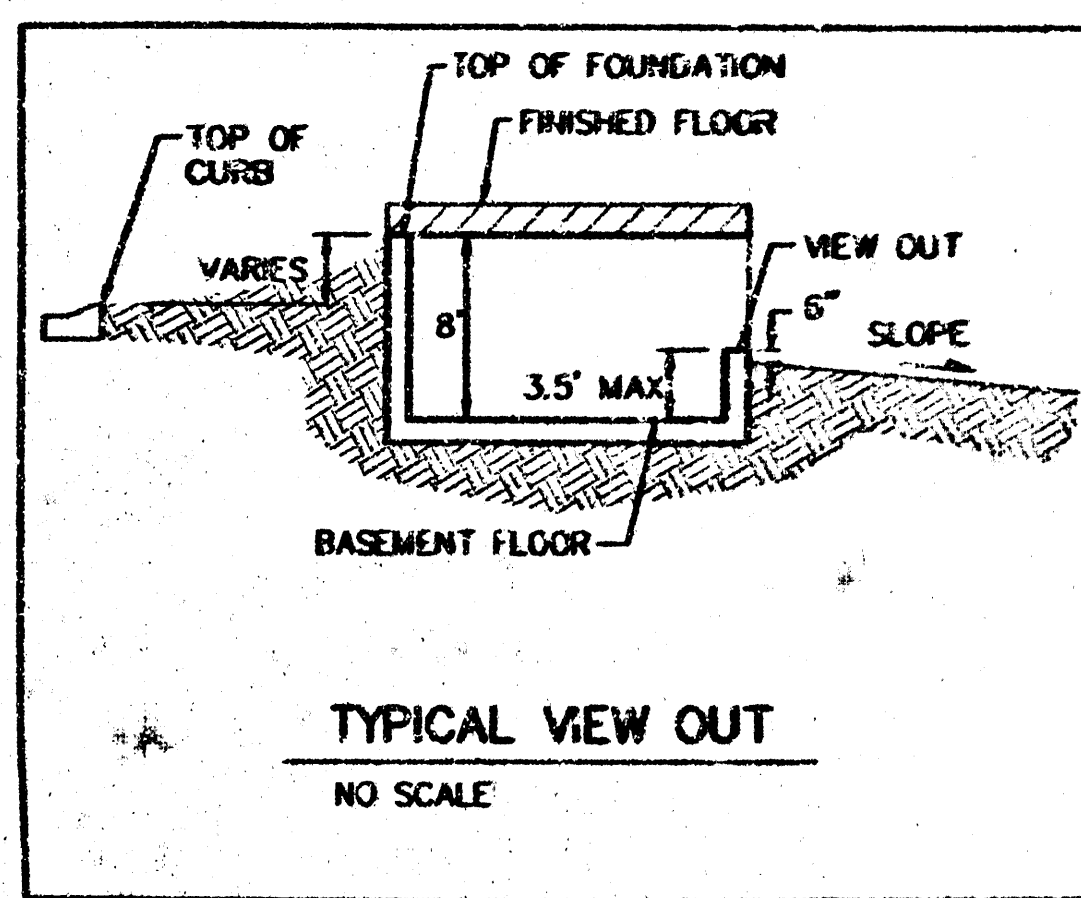
BENCHMARK:
City Elev. at the SW Corner of R.C.R. for Big Slough At
Ridge Port
Elev. = 144.22 City Datum (1331.62 NGVD)

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES			
LOT	BLOCK	CITY DATUM	ELEVATION
1-68-10	A	140.6	1398.0
1-7-14	C	140.8	1398.0

Off-Site Drainage
C_s = 0.15 C_s = 25 cfs
C_s = 0.18 C_s = 33 cfs
C_s = 0.24 C_s = 50 cfs
C_s = 0.37 C_s = 110 cfs



SCALE: 1" = 60'
• = 100'



NOTE:
Proposed top of foundation elevations are shown on plans. Contractor to set finish floor elevation.
All street elevations shown on plans are for top of curb (full height).
View-out elevations are denoted as XXX V.O.
Additional fill or deep footings may be required for pad elevations denoted with an asterisk (*)

REMARKS:
City Use at the SW Corner of R.C.B.C. for Big Slough AR Ridge Road
Elev = 144.27 City Datum (1331.62 NGVD)

NOTE:
A master grading plan for drainage has been developed for this subdivision and is on file with the City of Wichita, Kansas. All drainage easements, rights-of-way, or reserves shall remain at established grades or as modified with the approval of the city engineer of the City of Wichita, Kansas. No obstructions which impede the flow of this drainage system shall be allowed.

RIDGE PORT NORTH 4TH ADDITION			
GRADING PLAN			
WICHITA, KANSAS			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
318-582-7271 • 318 ELLY • WICHITA, KANSAS 67211			
PROJECT NUMBER			
DESIGN	DRAWN	APPROVED	DATE
	BLG		3/12/2001
SCALE			NOTED
1" = 60'			2
			8