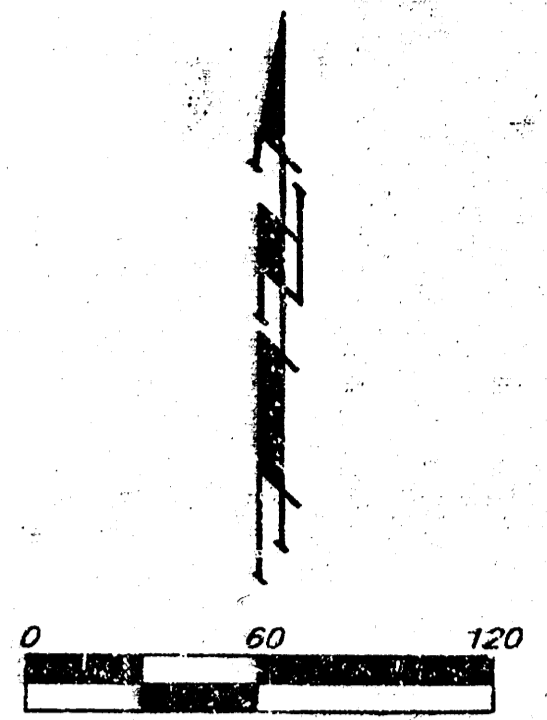


# DRAINAGE PLAN

## RIDGE PORT 4TH ADDITION

### WICHITA, SEDGWICK COUNTY, KANSAS

BENCHMARK:  
 CITY DISC - SW COR. RIDGE RD. & 29TH ST. NO.,  
 80.8' S. & 63.7' W. OF E. B.M.  
 ELEV. = 139.15 CITY DATUM (1326.55 M.S.L.)  
 CITY DISC - SW HUB GUARD ON R.C.B.C.,  
 1/2 MI. N. OF 29TH ST. NO. & RIDGE RD.,  
 ELEV. = 144.22 CITY DATUM (1331.62 M.S.L.)



BLOCK	LOT(S)	ELEVATION (PER CITY DATUM)
3	1-14	139.6

Drainage Area	Area (acres)	C <sub>s</sub>	C <sub>oo</sub>	T <sub>c</sub> (min.)	I <sub>a</sub> (in/hr)	I <sub>oo</sub> (in/hr)	Q <sub>s</sub> (cfs)	Q <sub>oo</sub> (cfs)
1	0.9	0.54	0.54	15	3.83	7.37	1.9	3.6
2	1.0	0.54	0.54	15	3.83	7.37	2.1	4.0
3	1.2	0.50	0.50	15	3.83	7.37	2.5	4.4
4	0.7	0.50	0.50	15	3.83	7.37	1.3	2.6
5	0.5	0.50	0.50	15	3.83	7.37	1.0	1.8
6	1.3	0.54	0.54	15	3.83	7.37	2.7	5.2
7	2.2	0.54	0.54	15	3.83	7.37	4.6	8.8

POND DATA:  
 STATIC WATER SURFACE ELEV. = 1322 msl  
 = 134.6 City Datum  
 100-yr WATER SURFACE ELEV. = 1326 msl  
 = 138.6 City Datum  
 BOTTOM ELEVATION = 1312 msl  
 = 124.6 City Datum

