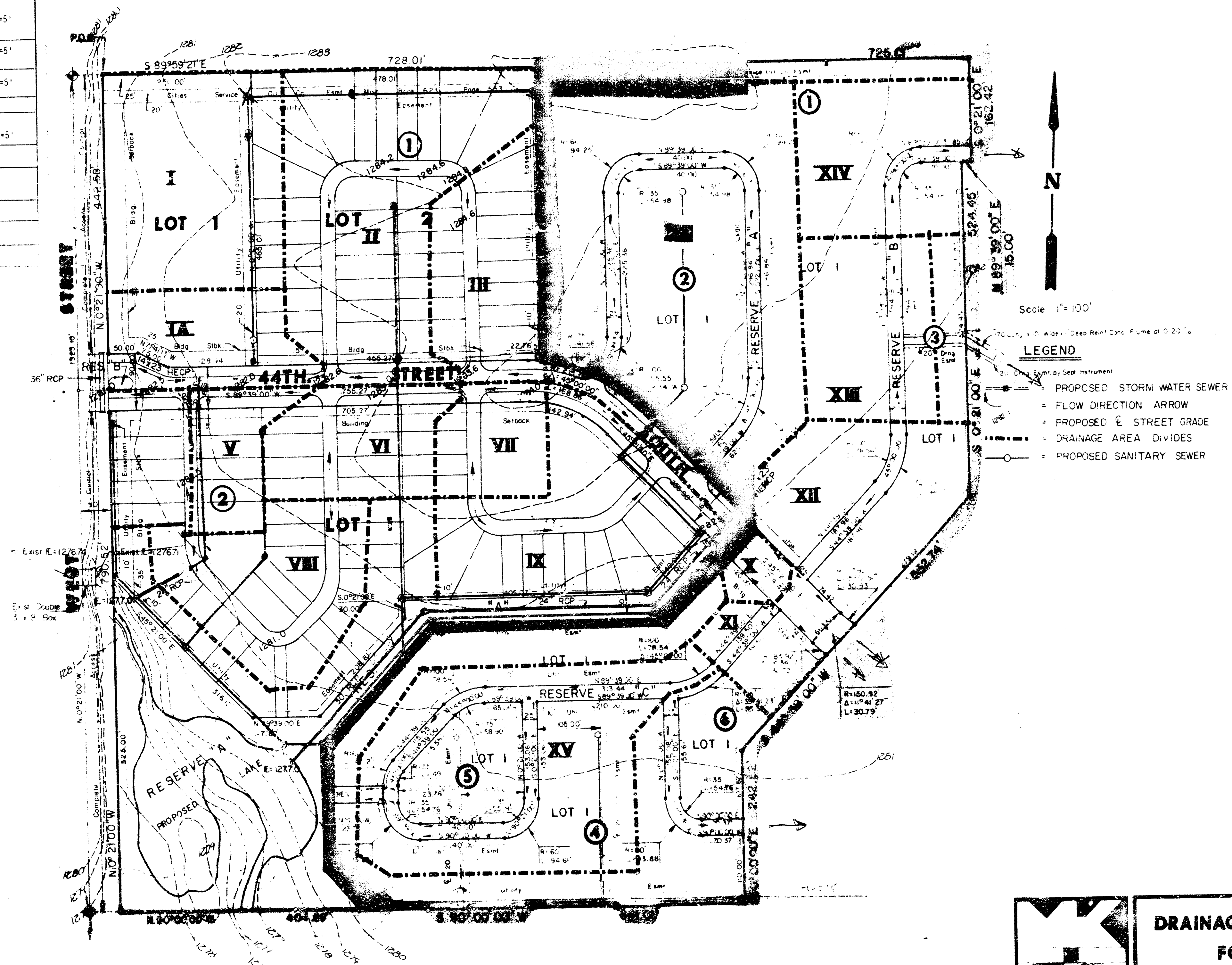


COTTONWOOD GROVE 2ND ADDITION
(Drainage)

Cottonwood Grove 2nd	AREA (acres)	AREA ACCOM.	C	T _c (min)	T ₂ (hr)	T ₁₀₀ (hr)	Q _p (cfs)	Q ₁₀₀ (cfs)	PIPE SIZE	PIPE SLOPE	INLETS
III	1.4		0.70	15	3.83	7.37	3.75	7.22			
II	3.4		0.70	18	3.51	6.84	8.35	16.28			
I-A	0.8	5.6	0.70	15	3.83	7.37	2.15	4.13	14"x23" HRCIP	0.20%	11, +5'
VII	0.7		0.70	15	3.83	7.37	1.48	3.61			
VI	1.2		0.70	17	3.61	7.00	3.03	5.88			
V	0.7	2.6 8.2	0.70	15	3.83	7.37	1.88	3.61	24"RCP	0.20%	11, +5'
VIII	1.8	10.0	0.70	17	3.61	7.00	4.55	8.82	24"RCP	0.25%	21, +5'
IV	5.5		0.70	22	3.17	6.28	12.20	24.10	14"x23" HRCIP	0.20%	11, +5'
IX	2.3		0.70	16	3.72	7.18	5.99	11.60			
X	0.3	6.1	0.90 0.70	15 22	3.83 3.17	7.37 6.28	1.33 18.23	1.99 36.00	24"RCP	0.20%	11, +5'
XI	0.6		0.70	15	3.83	7.37	1.61	3.10			
XII	1.9	2.5	0.70 0.70	15 16	3.83 3.72	7.37 7.18	5.09 7.19	9.80 6.51			
XIII	1.5		0.70	15	3.83	7.37	4.02	7.74			
XIV	1.5		0.70	15	3.83	7.37	4.29	6.25	10"x23" HRCIP	0.20%	
15	3.7		0.70	20	3.33	6.53	8.50	16.91			



	DRAINAGE PLAN FOR COTTONWOOD GROVE		KHB
			DLW
			KHB
			April, 1994
MID-KANSAS ENGINEERING CONSULTANTS PA 240 NORTH ROCK ROAD SUITE 100 OMAHA, KANSAS 68102			682-6561 1 1