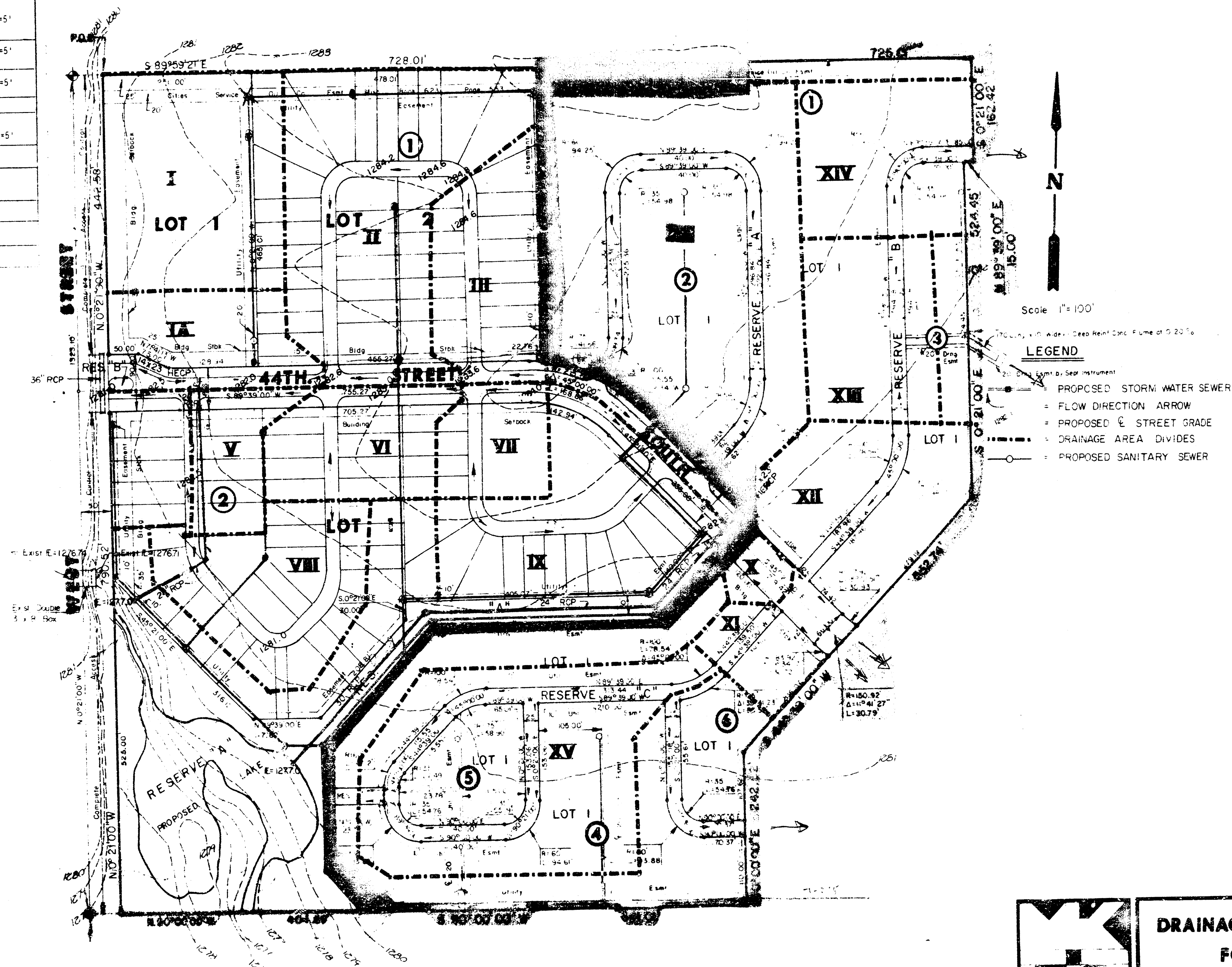


COTTONWOOD GROVE 2ND ADDITION
(Drainage)

Cottonwood Grove 2nd	AREA (acres)	AREA ACCOM.	C	T _c (min)	T ₂ (hr)	T ₁₀₀ (hr)	Q ₁ (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" HRCB	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" HRCB	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	15	3.83	7.37	1.33	1.99	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	16	3.83	7.37	5.09	9.80			
XIII	1.5		0.70	15	3.83	7.37	4.02	7.74			
XIV	1.5		0.70	16	3.83	7.37	4.29	8.25	10"x12" HRCB	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 68104			682-6561 1 1