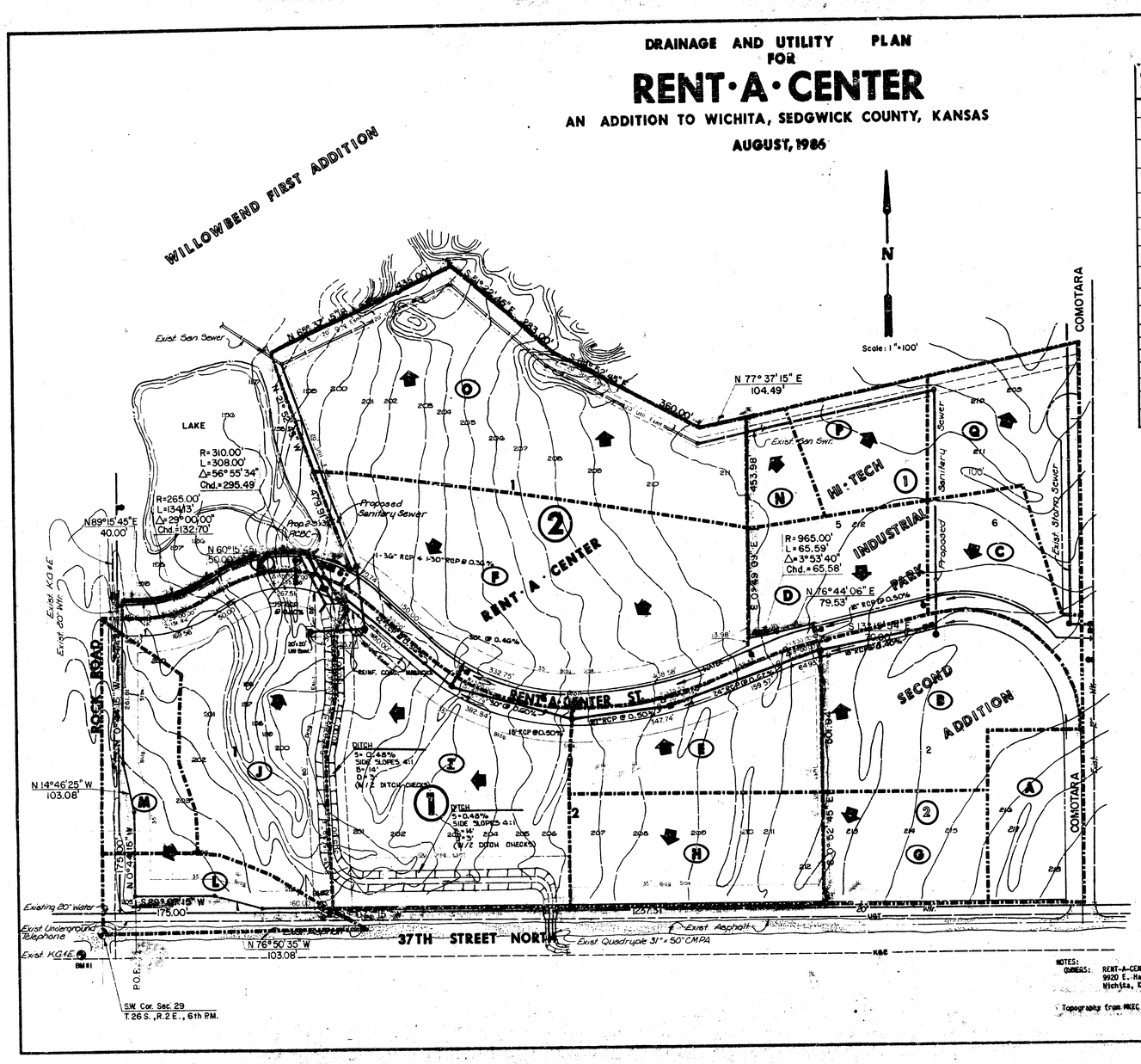
RENT-A-CENTER
(drainage)

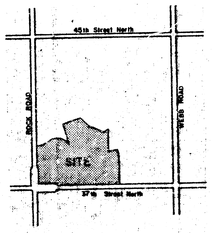
DRAINAGE AND UTILITY PLAN
FOR
RENT·A·CENTER

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

AUGUST, 1986



RENT-A-CENTER	AREA (Acres)	AREA (Acres)	C	T_c (min)	I_2 (in/hr)	I_{100} (in/hr)	Q_2 (cfs)	Q_{100} (cfs)	PIPE SIZE	PIPE SLOPE	INLETS
A	6.25		0.70	15	5.22	8.80	6.94	38.75			
B	3.70	5.40	.70	15	5.22	8.80	13.74	73.76	18"	0.465	2-L-4" B"
			.70	15	4.88	8.57	18.48	92.17			
C	1.96		.70	15	5.22	8.80	6.98	38.84			
D	2.30	4.46	.70	10	5.83	8.80	8.46	14.50			
			.70	12	5.60	8.57	12.82	22.79	18"	0.500	2-L-4"
		8.38	.70	21	4.57	7.56	26.92	44.40	24"	0.625	L-4"
E	2.86		.70	15	5.22	8.80	10.74				
		6.44	.70	24	4.28	7.40	27.44	42.19	27"	0.500	2L-4"
		12.68	.70	24	4.28	7.40	37.88	66.42	30"	0.800	2L-4"
F	7.79		.60	15	5.22	8.80	16.93	38.76	30"	0.496	2-L-4"
		11.68	.70	18	4.73	7.96	38.43	68.34			
		20.39	.70	20	4.51	7.56	64.39	108.88	42"	0.300	L-4"
G	1.96		.70	15	5.22	8.80	7.16	12.32			
H	3.00	4.96	.70	15	5.22	8.80	10.94	18.48			
			.70	18	4.88	8.57	16.87	29.66			
Comotara Ind. Park	74.2	79.16	.70	34	3.58	6.16	186.28	319.08			
			.70	34	3.58	6.16	198.78	342.33			
I	6.18	86.34	.70	15	5.22	8.80	22.57	38.06			
			.70	37	3.38	5.75	188.00	496.80			
J	4.82	90.16	.70	15	5.22	8.80	17.60	30.30			
			.70	37	3.38	5.75	204.36	483.88			
K	0.38	130.86	.65	15	5.22	8.80	1.29	3.07	18"	0.405	2L-4"
			.70	38	3.19	5.51	268.07	468.07			
L	1.61		.70	15	5.22	8.80	5.69	13.30			
M	1.65		.70	15	5.22	8.80	6.00	10.00			
N	0.71		.70	15	5.22	8.80	2.60	4.40			
O	7.11	7.82	.60	10	5.83	8.80	25.55	54.38			
			.60	17	4.87	8.24	22.27	46.48			
P	1.66		.70	10	5.83	8.80	6.80	8.80			
Q	2.60	4.26	.70	10	5.83	8.80	9.10	16.40			
			.70	18	4.88	8.57	14.80	26.46			
North Point Ind.Park	6.70	10.70	.70	15	5.22	8.80	24.47	41.58			
			.70	30	3.45	6.08	45.97	85.86			



LOCATION MAP

BENCH MARKS

B.M. #1 — City Standard 44' S & 48' W of Centerline of 37th & Rock Rd. Elev=204.11

B.M. #2 — " " cut on NE corner Southwestern Bell equipment pad on W side of 37th & 500' E of Rock Rd. Elev=206.71

NOTES:
OWNERS: RENT-A-CENTER
9920 E. Harry
Wichita, Kansas 67207

Topography from MKEC survey July, 1986

MKEC	RENT A CENTER
	DRAINAGE & UTILITY PLAN
	Design
	Drawn by
	Checked by
	Date
	Scale
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING 600 WICHITA, KANSAS 67226 682-6561	Sheet 1 of 1