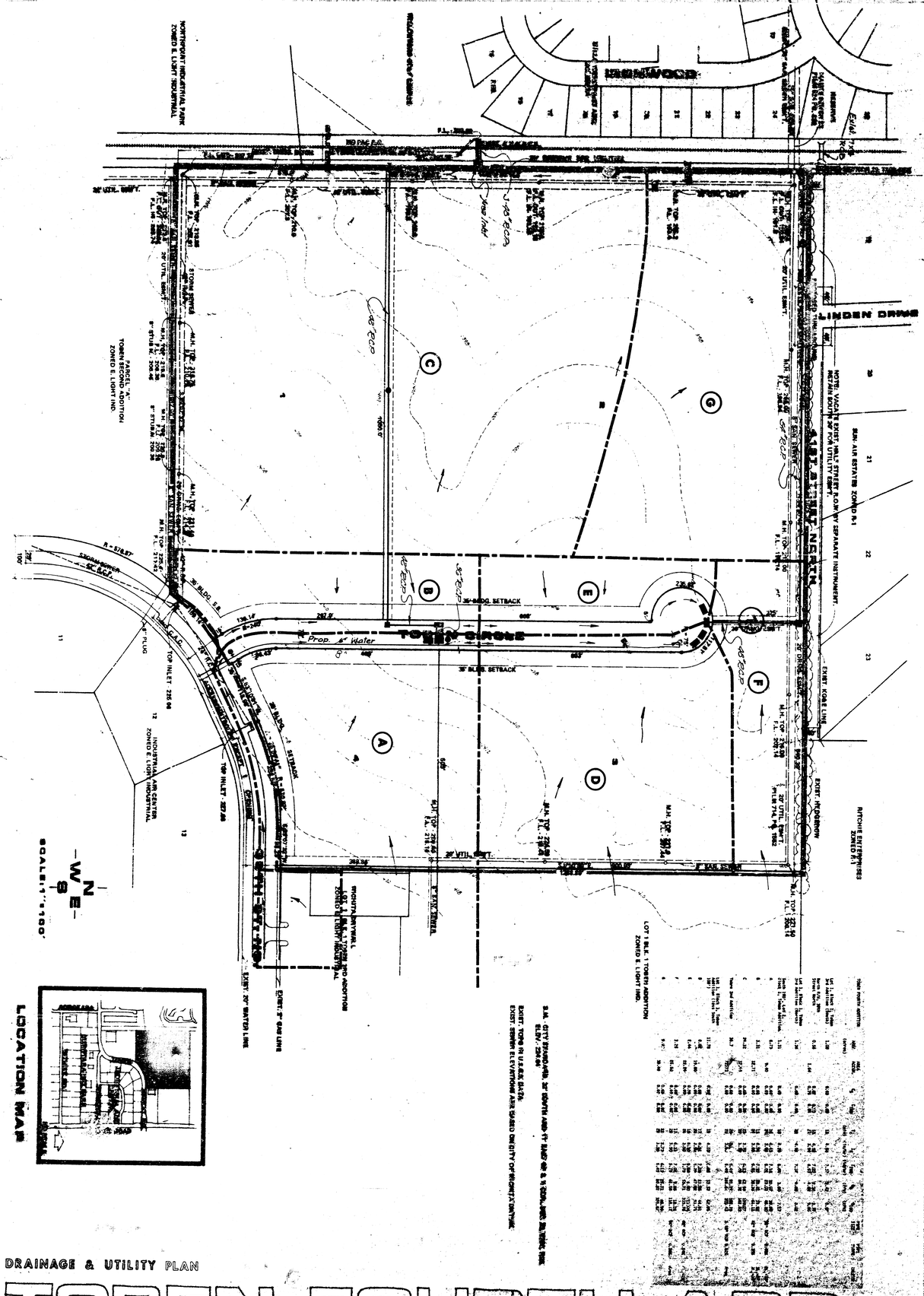


DRAINAGE & UTILITY PLAN

TOBEN FOURTH ADD.

TOBEN 4TH ADDITION
(Drainage)

TOBEN 4th ADDITION

	DRAINAGE AREA	1 AREA (ACRES)	2 ACCUM AREA	3 C_5	4 C_{100}	5 T_c (MIN) 5 yr	5 T_c (MIN) 100 yr	6 I_5 (IN/HR)	7 I_{100} (IN/HR)	8 Q_5 (CFS)	9 Q_{100} (CFS)	10 PIPE SIZE	11 PIPE SLOPE	12 INLETS
1														
2	AREA 'A' - OFFSITE													
3	RITCHIE ASPHALT PLANT	12.40		0.69	0.80	28	20	3.37	4.53	29.2	45.9			
4	LIGHT INDUSTRIAL													
5	70% IMPERVIOUS													
6	AREA 'C' - NORTH PART													
7	TOBEN 4th ADD.	21.56		0.69	0.80	32	23	3.10	4.26	46.1	109.0			
8	LIGHT INDUSTRIAL													
9	70% IMPERVIOUS													
			34.16	0.69	0.80	36	27	2.92	5.69	96.9 / 69.1	155.7 / 155.5			1984 TOBEN 4th DRAINAGE PLAN
10	SUN-AIR ESTATES													
11	RESIDENTIAL - SINGLE FAMILY	64.0		0.45	0.71	20	21	3.24	4.39	93.2	270.4			
12	'D' SOILS 24% IMPERVIOUS													
13														
14			98.16	0.52	0.74	24	27	2.92	5.69	153.4	412.2	TO EXIST. 7'x4' RCB		
15														
16	AREA 'B' - OFFSITE													
17	WICHITA DRIVE-ALL	2.82		0.74	0.94	15		4.66	7.37	9.9	17.5			
18	90% IMPERVIOUS													
19														
20	AREA 'D' - SOUTH PART													
21	TOBEN 4th ADD.	39.80		0.69	0.80	27	20	3.41	4.53	82.6	192.3			
22	LIGHT INDUSTRIAL													
23	70% IMPERVIOUS													
			179.78	0.70	0.80	29	25	3.20	4.16	87.1	189.8			
24	TOBEN 3rd ADD.													
25	SWL # 644	24.8		0.70			25	4.27	2.36	80.1	138.1			
26	(FROM TOBEN # 3rd ST. NW.)													
27	(DESIGN CALC'S)													
28	VALASIS INSERT													
29	WICHITA PRINTING DIVISION	11.76												
30	OUT-OF-POND									35.4	61.0			
31	(MANHOOD) SAE ENGINEERING													
			76.26	0.70	0.80	29	25	3.30	5.90	166.6 / 126.2	319.4 / 352.9	TO EXIST. 9'x5' RCB		1984 TOBEN 4th DRAINAGE PLAN NEED TO EXTEND 3-48" RCP UNDER PROP. W/AREA INLET

TOBEN FOURTH ADD.

OWNER: WOODLAWN DEVELOPMENT CO., 151 NORTH MAIN, SUITE 300, WICHITA, KS 67202

DRAINAGE & UTILITY PLAN

LOCATION MAP

SCALE: 1"=100'
SEPT. 12, 1985

LOT 1

LOT 1 BLK. 1 TOBEN ADDITION
ZONED E. LIGHT IND.

KITCHIE PAVING, INC.
ASPHALT PAVING CO.
4045 N. WEBB ROAD
P.O. BOX 7586
WICHITA, KS. 67208
(316) 686-5385

TOBEN 2ND. RESERVE DISTRICT BOUNDARY

MONTAGUE WALL & ACCESSORIES SUPPLY 9504 E. 39TH. ST. NO.
LOT 1 BLK. 1 TOBEN 3RD ADDITION
ZONED E. LIGHT INDUSTRIAL

EXIST. 2" GAS LINE

EXIST. 20" WATER LINE

39TH ST. NO.

INDUSTRIAL AIR CENTER
ZONED E. LIGHT INDUSTRIAL

POND

BM - CITY STANDARD SE SOUTH AND 1' EAST OF S.W. COR., SEC. 29, T26S, R2E
ELEV. 1284

EXIST. TOPO IN U.S.G.S. DATA
EXIST. SEWER ELEVATIONS ARE BASED ON CITY OF WICHITA DATUM