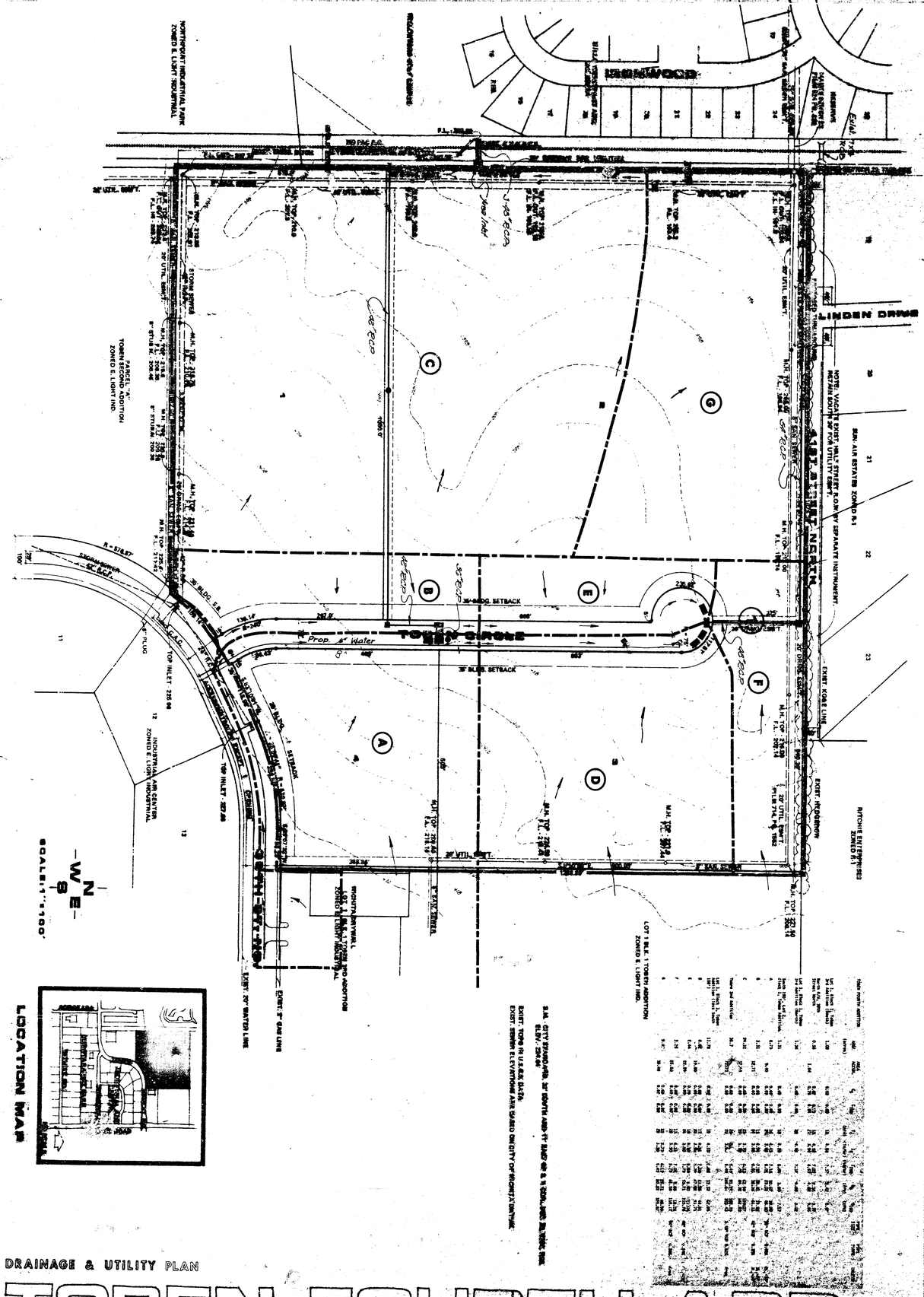

DRAINAGE & UTILITY PLAN

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 RITCHIE ASPHALT PLANT LIGHT INDUSTRIAL 70% IMPERVIOUS	12.40		0.69	0.80	28	20	3.37	4.53	29.3	45.9			
3														
4														
5	AREA 'C' - NORTH PART TOBEN 4th ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	21.56		0.69	0.80	32	23	3.10	4.26	46.1	109.0			
6														
7														
8														
9			34.16	0.69	0.80	36	27	2.92	3.89	96.9 / 69.1	155.7 / 155.5	1984 TOBEN 4th DRAINAGE PLAN		
10	SUN-AIR ESTATES RESIDENTIAL - SINGLE FAMILY 'D' SOILS 30% IMPERVIOUS	64.0		0.45	0.71	20	21	3.24	4.39	93.3	270.4			
11														
12														
13														
14			98.16	0.52	0.74	24	27	2.92	3.89	149.4	412.2	TO EXIST. 7'x4' RCB		
15														
16	AREA 'B' - OFFSITE WICHITA DRIVE 90% IMPERVIOUS	2.82		0.76	0.94	15		4.66	7.37	9.9	17.5			
17														
18	AREA 'D' - SOUTH PART TOBEN 4th ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	34.80		0.69	0.80	27	20	3.41	4.53	82.6	182.3			
19														
20														
21														
22			37.70	0.70	0.80	29	25	3.20	4.16	87.1	188.8			
23	TOBEN 3rd ADD. SWL = 844 (FROM TOBEN 3rd ADD. DESIGN CALC'S)	24.8		0.70		25		4.27	5.36	80.1	138.1			
24														
25	VALASIS INSERT WICHITA PRINTING DIVISION OUT-OF-POCKET (MANHOUR) SAE ENGINEERING	11.76								35.4	61.0			
26														
27														
28			74.26	0.70	0.80	29	25	3.20	4.16	166.6 / 176.2	319.4 / 357.9	1984 TOBEN 4th DRAINAGE PLAN TO EXIST. 4'x4' RCB NEED TO EXTEND 3-48" RCP UNDER MID. PAV. W/AREA INLET		
29														
30														
31														

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, 1989

LOT 1

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

KITCHIE PAVING, INC.
ASPHALT PLANT NO. 11
4045 N. WEBB ROAD
P.O. BOX 7305
WICHITA, KS. 67208
(316) 686-5385

TOBEN 2ND. ADD. BENEFIT DISTRICT BOUNDARY

FRONTAIR MALL + ACQUISITION
LOT 1 BLK. 1 TOBEN 3RD ADDITION
ZONED E. LIGHT INDUSTRIAL

SUPPLY 9504 E. 39TH. ST. NO.

EXIST. 2" GAS LINE

EXIST. 20" WATER LINE

39TH ST. NO.

DRAINAGE BASIN

WEBB ROAD

COMDATA

INDUSTRIAL AIR CENTER
ZONED E. LIGHT INDUSTRIAL

POND

BM - CITY STANDARD, SE SOUTH AND 31' 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.