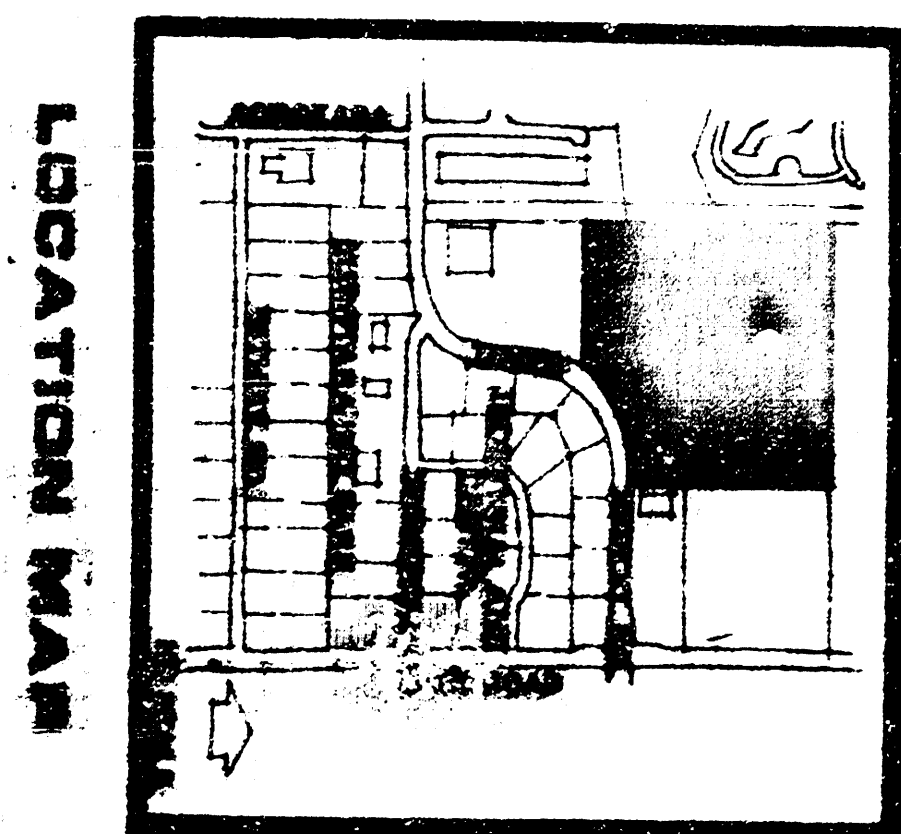
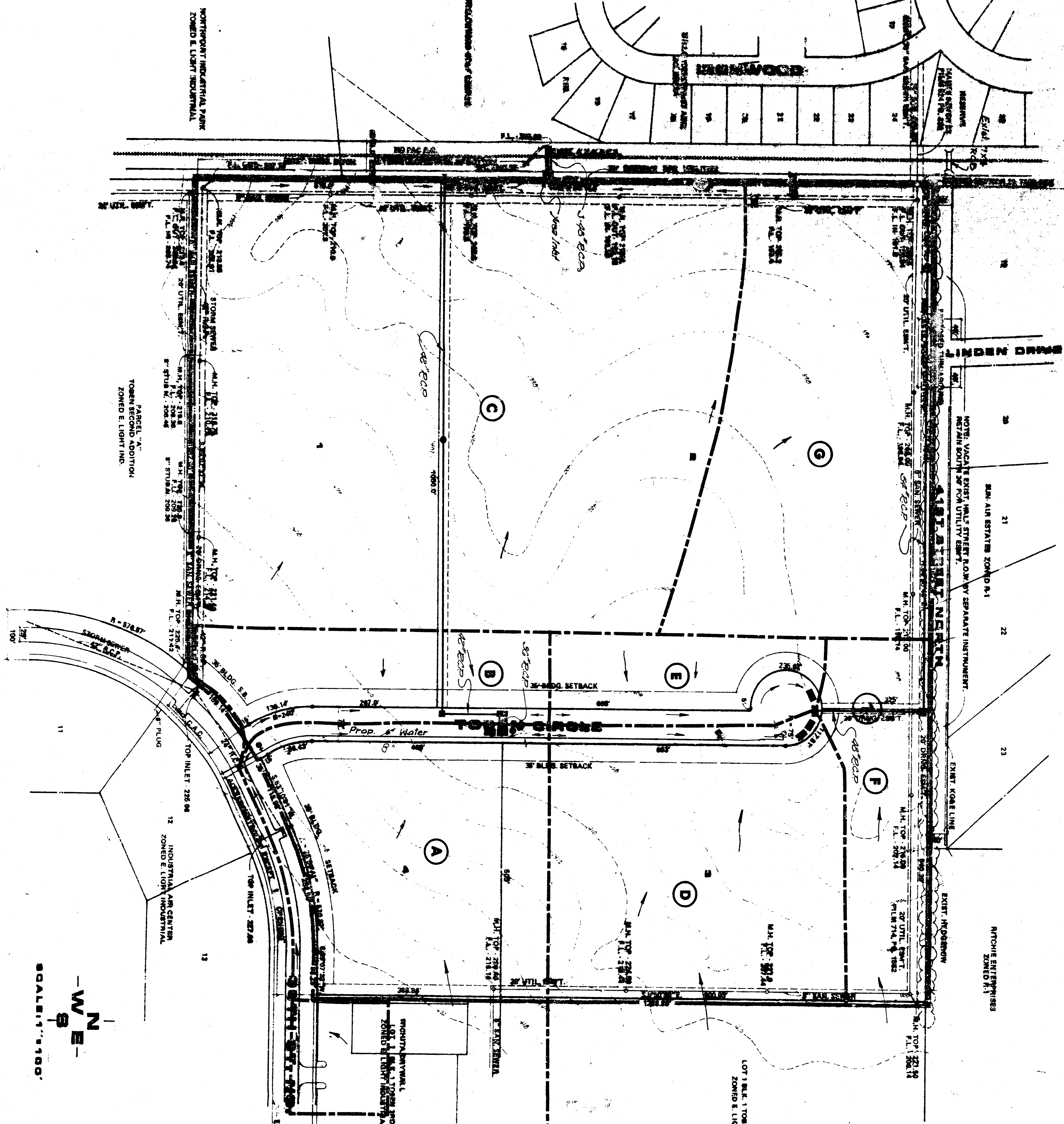




DRAINAGE & UTILITY PLAN TOBEN FOURTH ADD.

TOBEN 4TH ADDITION

1	2	3	4	5	6	7	8	9	10	11	12
AREA	AREA (ACRES)	ACCUM. AREA	C _s	C ₁₀₀	T _s (MIN)	T _s (HRS)	I ₁₀₀ (IN/HR)	Q _s (CFS)	Q ₁₀₀ (CFS)	PIPE SIZE	PIPE SLOPE
AREA 'A' - OFFICE BUILDING	12.60		0.69	0.80	29	20	3.37	6.53	27.2	65.8	
AREA 'B' - NORTH PART TOBEN 4TH ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	21.54		0.69	0.80	32	25	3.12	6.26	44.1	109.0	
AREA 'C' - SOUTH PART TOBEN 4TH ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	34.16		0.69	0.80	36	27	2.93	5.69	86.9	165.7	
AREA 'D' - OFFICE BUILDING	6.90		0.65	0.71	30	21	3.24	6.39	93.2	270.4	
AREA 'E' - OFFICE BUILDING	2.82		0.76	0.84	15	10	4.30	7.37	9.9	17.5	
AREA 'F' - SOUTH PART TOBEN 4TH ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	34.88		0.69	0.80	27	20	3.43	6.52	28.6	178.2	
TOBEN 2ND ADD. (FROM TOBEN 4TH ADD. 2ND. 1ST. ADD. (DESIGN CALL 'S'))	24.8		0.70		25	10	4.37	7.36	80.1	138.1	
VALLEYVIEW INDUSTRIAL PRINTING DIVISION (MANUAL/S&S ENGINEERING)	11.76								35.4	41.0	
	74.26		0.70	0.80	29	25	3.30	5.70	165.6	319.4	
									126.8	357.9	

1736 TOBEN 4TH DRAINAGE PLAN
TOBEN 4TH ADD. NEED TO EXTEND 3'-45" RCP
DRAINAGE INLET

TOBEN 4TH ADDITION

1	2	3	4	5	6	7	8	9	10	11	12
AREA	AREA (ACRES)	ACCUM. AREA	C _s	C ₁₀₀	T _s (MIN)	T _s (HRS)	I ₁₀₀ (IN/HR)	Q _s (CFS)	Q ₁₀₀ (CFS)	PIPE SIZE	PIPE SLOPE
AREA 'A' - OFFICE BUILDING	12.60		0.69	0.80	29	20	3.37	6.53	27.2	65.8	
AREA 'B' - NORTH PART TOBEN 4TH ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	21.54		0.69	0.80	32	25	3.12	6.26	44.1	109.0	
AREA 'C' - SOUTH PART TOBEN 4TH ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	34.16		0.69	0.80	36	27	2.93	5.69	86.9	165.7	
AREA 'D' - OFFICE BUILDING	6.90		0.65	0.71	30	21	3.24	6.39	93.2	270.4	
AREA 'E' - OFFICE BUILDING	2.82		0.76	0.84	15	10	4.30	7.37	9.9	17.5	
AREA 'F' - SOUTH PART TOBEN 4TH ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	34.88		0.69	0.80	27	20	3.43	6.52	28.6	178.2	
TOBEN 2ND ADD. (FROM TOBEN 4TH ADD. 2ND. 1ST. ADD. (DESIGN CALL 'S'))	24.8		0.70		25	10	4.37	7.36	80.1	138.1	
VALLEYVIEW INDUSTRIAL PRINTING DIVISION (MANUAL/S&S ENGINEERING)	11.76								35.4	41.0	
	74.26		0.70	0.80	29	25	3.30	5.70	165.6	319.4	
									126.8	357.9	

