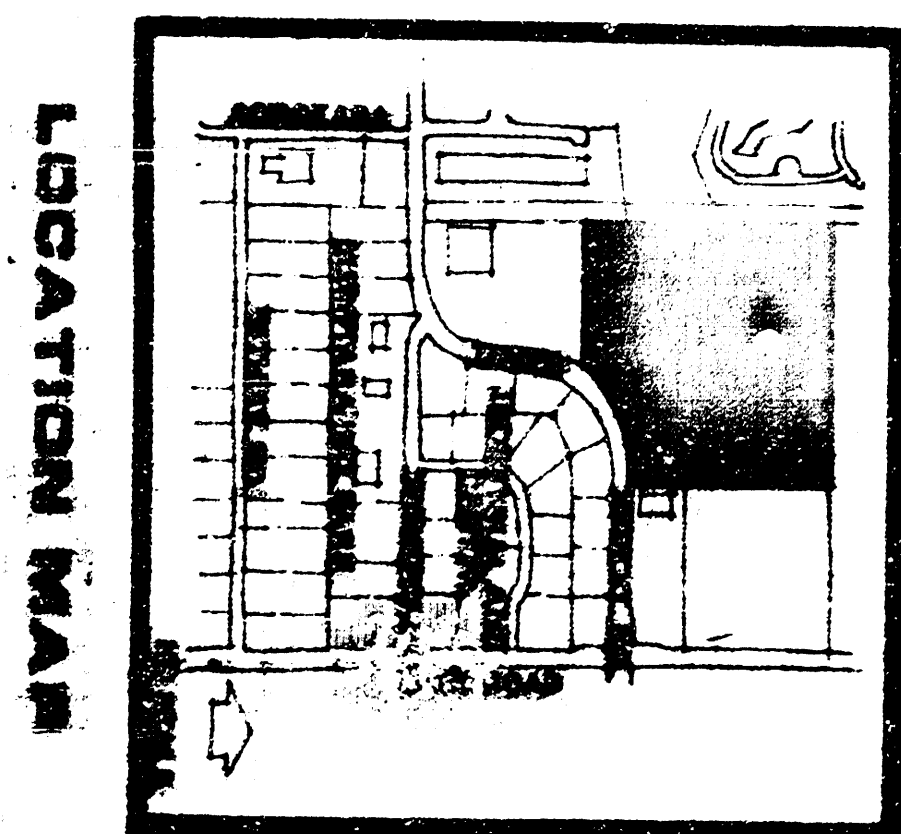
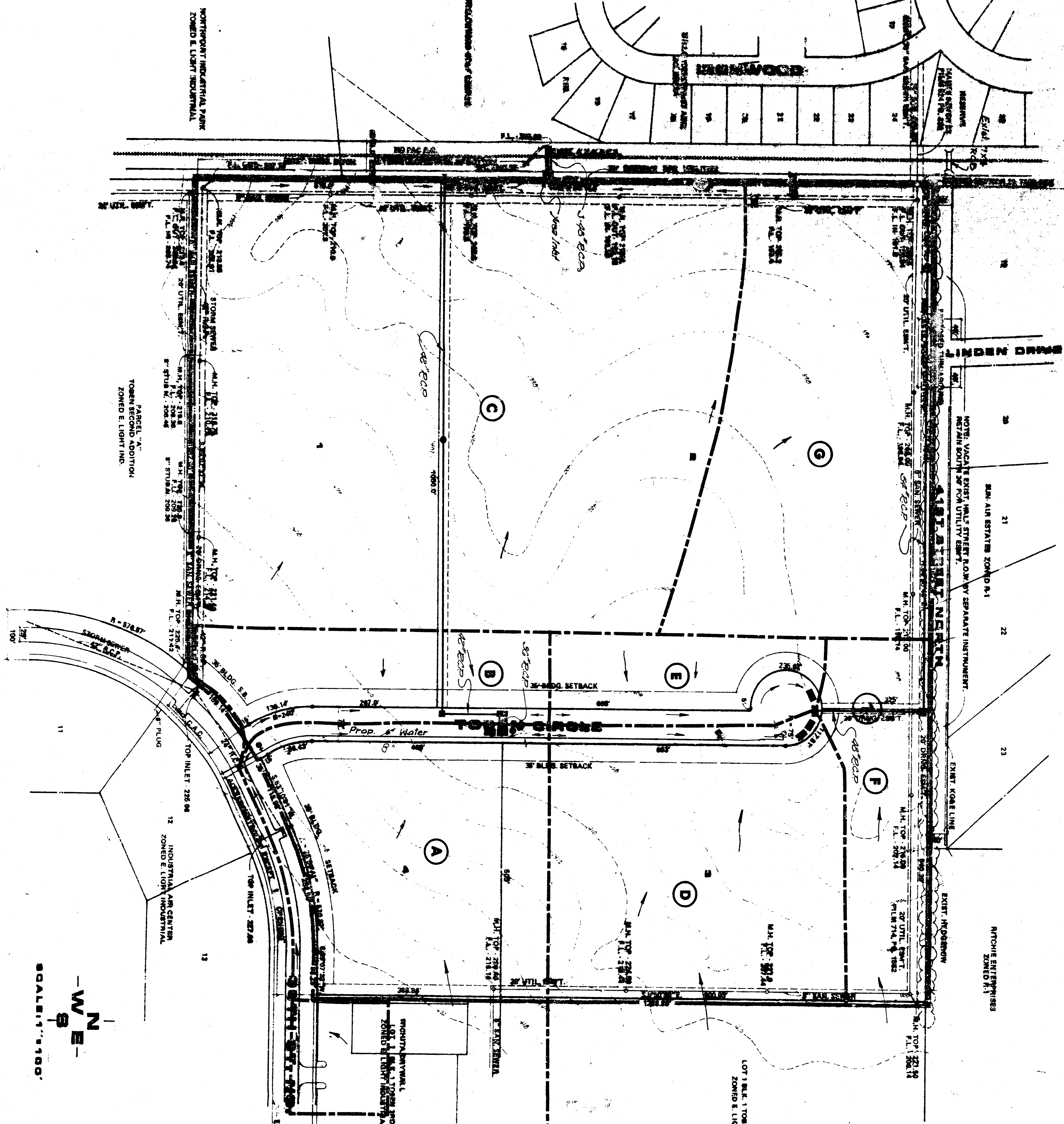




DRAINAGE & UTILITY PLAN TOBEN FOURTH ADD.

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 ₁₀₀ (MIN)	I _s (CFS)	I ₁₀₀ (CFS)	Q _s (CFS)	Q ₁₀₀ (CFS)	PIPE SIZE
AREA 'A' - OFFICE BUILDING	12.60		0.69	0.80	29	20	3.37	6.53	27.2	65.9	
AREA 'B' - NORTH PART TOBEN 4TH ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	21.54		0.69	0.80	32	23	3.12	6.26	42.1	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	220.4	
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	158.2	
TOBEN 4TH ADD. (FROM TOBEN 4TH ADD. DESIGN CALL 'S')	24.8		0.70		25	17	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
TO BE USED FOR 1" X 6" RCP
NEED TO EXTEND 3'-45" RCP
DURING "HOT" WORK
WATER 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 ₁₀₀ (MIN)	I _s (CFS)	I ₁₀₀ (CFS)	Q _s (CFS)	Q ₁₀₀ (CFS)	PIPE SIZE
AREA 'A' - OFFICE BUILDING	12.60		0.69	0.80	29	20	3.37	6.53	27.2	65.9	
AREA 'B' - NORTH PART TOBEN 4TH ADD. LIGHT INDUSTRIAL 70% IMPERVIOUS	21.54		0.69	0.80	32	23	3.12	6.26	42.1	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	220.4	
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	158.2	
TOBEN 4TH ADD. (FROM TOBEN 4TH ADD. DESIGN CALL 'S')	24.8		0.70		25	17	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	

