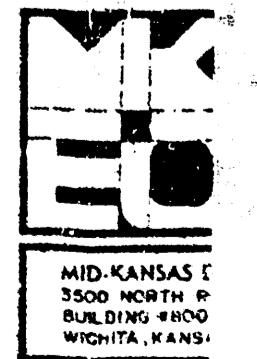


DRAINAGE & UTILITY PLAN FOR
KILLARNEY PLAZA 2ND.

23 Feb 88
 JNT



PAGE #1

1	2	3	4	5	6	7	8	9	10	11	12	13
DRAINAGE AREA	AREA (ACRES)	ACCUM AREA	C _s	C ₁₀₀	T _c (MIN)	I _s (IN/HR)	I ₁₀₀ (IN/HR)	Q _s (CFS)	Q ₁₀₀ (CFS)	PIPE SIZE	PIPE SLOPE	INLETS
AREA 'A'												
1ST 1/2 PART 107 2 LIGHT COMMERCIAL	6.04		0.69	0.80	22	16	3.81	7.18	15.9	34.7	36" RCP	0.28%
AREA 'B'												
NORTH 1/2 34th ST. W.	0.35		0.88	0.93	15	15	4.54	7.37	1.4	2.4		SUMP 14(12) x 5'
TOTAL TO LAKE	6.39		0.70	0.91	21	16	3.81	7.18	17.0	37.2	42" RCP	0.20%
AREA 'C'												
MIDDLE 1/2 LIGHT COMMERCIAL	2.25		0.69	0.80	24	18	3.45	6.84	5.7	12.3	18" RCP	1.00%
AREA 'D'												
WEST PART 107 2 LIGHT COMMERCIAL	4.37		0.69	0.80	27	19	3.42	6.68	10.3	23.4	30" RCP	0.30%
34th STREET - NORTH DRAINAGE												15" RCP 0.50% 14(12) x 5'
AREA 'E'												
WEST PART 107 1 APARTMENTS - 2' SWL	8.84		0.72	0.84	23	15	3.73	7.37	24.1	56.2	42" RCP	0.20%
34th STREET - NORTH DRAINAGE												42" RCP 0.25% 14(12) x 10' (SUMP)
AREA 'F'												
NORTH 1/2 34th ST. W.	1.41		0.88	0.93	15	15	4.54	7.37	6.5	11.0		14(12) x 10' (SUMP)
SUB-TOTAL	10.47		0.75	0.87	24	15	3.65	7.37	28.7	67.1	48" RCP	0.20%
TOTAL TO NEW CHANNEL	12.09		0.73	0.84	28	20	3.37	6.53	42.0	93.7	60" RCP	0.20% (ON TO CHANNEL)

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1	2	3	4	5	6	7	8	9	10	11	12
DRAINAGE AREA	AREA (ACRES)	ACCUM AREA	C _s	C ₁₀₀	T _c (MIN)	I _s (IN/HR)	I ₁₀₀ (IN/HR)	Q _s (CFS)	Q ₁₀₀ (CFS)	PIPE SIZE	PIPE SLOPE
AREA 'G'											
NEW PART 107 1 LIGHT COMMERCIAL	1.90		0.78	0.88	20	15	4.00	7.37	6.2	12.8	24" RCP 0.40% 14(12) x 10' (SUMP)
AREA 'H'											
SINGLE FAMILY - 2' SWL	3.79		0.59	0.73	22	17	3.43	7.00	7.7	21.0	14(12) x 10'
SUB-TOTAL	5.77		0.64	0.82	22	17	3.43	7.00	13.1	33.1	24" RCP 0.50%
AREA 'I'											
SINGLE FAMILY - 2' SWL	6.94		0.57	0.78	22	20	3.05	6.53	12.1	25.4	22" RCP 0.50% 14(12) x 10'
TOTAL - W. SIDE OF INWOOD	18.71		0.61	0.80	22	20	3.05	6.53	23.6	66.4	36" RCP 0.50% 14(12) x 10'
AREA 'J'											
EAST 1/2 INWOOD	1.12		0.88	0.93	15	15	4.54	7.37	4.5	7.7	30" RCP 0.50% 14(12) x 5'
AREA 'K'											
EAST 1/2 107 1 PART 107 4 BUSINESS	2.31		0.74	0.88	19	15	4.10	7.37	7.0	14.1	14(12) x 5'
AREA 'L'											
PART 107 2 PART 107 3 BUSINESS	1.84		0.74	0.83	17	15	4.31	7.37	5.9	11.3	22" RCP 14(12) x 5'

PAGE #3

1	2	3	4	5	6	7	8	9	10	11	12
DRAINAGE AREA	AREA (ACRES)	ACCUM AREA	C _s	C ₁₀₀	T _c (MIN)	I _s (IN/HR)	I ₁₀₀ (IN/HR)	Q _s (CFS)	Q ₁₀₀ (CFS)	PIPE SIZE	PIPE SLOPE
AREA 'M'											
PART 107 2 APARTMENTS	0.90		0.74	0.84	21	16	3.80	7.18	2.6	5.6	
TOTAL TO SWAMP OVER ACE											
SOUTH SIDE 34th ST. W. EAST SIDE INWOOD	6.17		0.72	0.85	21	16	3.90	7.18	18.6	32.7	36" RCP 0.20% 14(12) x 10' (SUMP)
DRAINAGE EAST OF ROCK ROAD	12.40		0.69	0.80	25	24	2.98	5.79	255.8	576.2	
FROM ROCK ROAD STANCHION											
PROPOSED SOUTH CHANNEL										120.0	
PROPOSED NORTH CHANNEL										120.0	USE DUE TO LARGE ELEV. ON ROCK ROAD
TOTAL										240.0	
UPSTREAM LAKE WEIR DESIGN										650	USUAL PAV. 18" x 18" (18" DIA) 18" DIA 18" DIA 18" DIA
DOWNSTREAM LAKE WEIR DESIGN										650	USUAL PAV. 18" x 18" (18" DIA) 18" DIA 18" DIA 18" DIA
PROPOSED OUTLET CHANNEL											20 FT BATTERWIDTH 4:1 SIDE SLOPES
DRAINAGE C. INWOOD STANCHION		127.85	0.70	0.81	45	33	2.37	6.17	322.1	745.5	3-10' 14" RCP

KILLAMORE PLAZA AND ADJACENT