INLET CALCULATIONS

INLET NO.	LOCATION	DESIGN STORM FREQ. (YRS.)	TIME OF CONC. (MIN.)	INTENSITY ''I-100'' (INCHES/ HOUR)	RUNOFF COEFF. ''C''	AREA ''A'' (ACRES)	''Q-100'' FOR AREA (CFS)	CARRY-OVER FROM UPSTREAM (CFS)	TOTAL GUTTER FLOW (CFS)	GUTTER CAPACITY ONE DRY LANE (CFS)	GUTTER SLOPE (FT/FT)	STREET CROSS SLOPE (FT/FT)	ACTUAL GUTTER FLOW DEPTH (FT)	CAPACITY PER FOOT OF INLET (FT)	REQUIRED LENGTH OF INLET (FT)	SELECTED LENGTH OF INLET (FT)	TYPE	CARRY-OVER TO DOWNSTREAM (CFS)
LINE "A" - ADDISON CIRCLE & M-2 SOUTH																		
A-1	ADDISON CIRCLE	100	10.00	INCL	0.90	0.13	0.00	0.00	0.00	2.12	0.0080	PAR	NA	NA	3	6	REC	0.00
A-2	ADDISON CIRCLE	100	10.00	8.74	0.90	0.13	1.02	0.00	1.02	2.12	0.0080	PAR	NA	NA	3	6	REC	0.00
A-3	BUILDING "Q"	100	10.00	8.74	0.90	0.88	6.92	0.00	6.92	2.12	0.0080	PAR	NA	NA	NA	18" STUB	NA	0.00
A-4	ADDISON CIRCLE	100	10.00	8.74	0.90	0.29	2.28	0.00	2.28	NA	NA	NA	NA	NA	3 GRATE	3 GRATE	STD	NA
A-5	ADDISON CIRCLE	100	10.00	8.74	0.90	0.29	2.28	0.00	2.28	2.12	0.0080	PAR	NA	NA	3 GRATE	3 GRATE	STD	0.00
A-6	ADDISON CIRCLE	100	10.00	8.74	0.90	0.31	2.44	0.00	2.44	5.20	0.0080	0.0208	0.22	0.52	5	6	STD	0.00
A-7	ADDISON CIRCLE	100	10.00	8.74	0.90	0.36	2.83	0.00	2.83	5.20	0.0080	0.0208	0.23	0.53	5	6	STD	0.00
A-8	PARK	100	10.00	8.74	0.50	0.34	1.49	0.00	1.49	NA	NA	NA	NA	NA	NA	18" STUB	NA	NA
A-9	BUILDING "Q"	100	10.00	8.74	0.90	0.30	2.36	0.00	2.36	NA	NA	NA	NA	NA	NA	18" STUB	NA	NA
A-10	PARK	100	10.00	8.74	0.50	0.62	2.71	0.00	2.71	NA	NA	NA	NA	NA	NA	18" STUB	NA	NA
A-11	ADDISON CIRCLE	100	10.00	8.74	0.90	0.18	1.42	0.00	1.42	1.80	0.0100	0.0208	0.17	0.48	3	6	STD	NA
A-12	ADDISON CIRCLE	100	10.00	8.74	0.90	0.16	1.26	2.52	3.78	1.80	0.0100	0.0208	0.25	0.54	7	8	STD	NA
A-13.1	M-2 SOUTH	100	10.00	8.74	0.90	0.32	2.52	0.00	2.52	9.12	0.0136	0.0208	0.15	NA	COMMENTS	2 GRATE	STD	0.73
A-13.2	BUILDING "O"	100	10.00	8.74	0.90	1.50	11.80	0.00	11.80	NA	NA	NA	NA	NA	NA	21" STUB	NA	NA
A-14	ADDISON CIRLE	100	10.00	8.74	0.90	0.15	1.18	0.00	1.18	7.47	0.0165	0.0208	0.14	0.45	3	6	STD	NA
A-15	BUILDING "O"	100	10.00	8.74	0.90	1.11	8.73	0.00	8.73	NA	NA	NA	NA	NA	NA	18" STUB	NA	NA
A-16	BUILDING "N"	100	10.00	8.74	0.90	0.65	5.11	0.00	5.11	NA	NA	NA	NA	NA	NA	18" STUB	NA	NA
LINE "B" - MILDRED STREET																		
B-12	ROUNDABOUT	100	10.00	8.74	0.90	0.34	2.67	0.00	2.67	7.88	0.0050	0.0208	0.25	0.54	5	3 GRATE	COMB.	0.00
LINE "C" - QUORUM DRIVE																		
C-1	QUORUM DRIVE	100	10.00	8.74	0.90	0.58	4.56	0.00	4.56	8.63	0.0060	0.0208	0.29	0.47	10	10'	MOD REC	0.00
LINE "D" - QUORUM DRIVE																		
D-1	QUORUM DRIVE	100	10.00	8.74	0.90	0.50	3.93	0.00	3.93	9.84	0.0078	0.0208	0.26	0.40	10	EX. 10'	REC	0.00
D-2	QUORUM DRIVE	100	10.00	8.74	0.90	0.49	3.85	0.00	3.85	9.84	0.0078	0.0208	0.26	0.56	7	EX. 10'	REC	0.00
D-3	QUORUM DRIVE	100	10.00	8.74	0.90	0.54	4.25	0.00	4.25	10.45	0.0088	0.0208	0.26	0.56	8	EX. 10'	REC	0.00
LINE "J" - SPECTRUM DRIVE																		
J-1	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.61	4.80	0.00	4.80	4.66	0.0386	PAR	NA	NA	9	10	REC	0.00
J-2	BUILDING "P"	100	10.00	8.74	0.90	1.27	9.99	0.00	9.99	NA	NA	NA	NA	NA	NA	18" STUB	NA	0.00
J-3	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.34	2.67	0.00	2.67	4.66	0.0386	PAR	NA	NA	6	10	REC	0.00
LINE "L" - SPECTRUM DRIVE																		
L-1	BUILDING "M"	100	10.00	8.74	0.90	0.49	3.85	0.00	3.85	NA	NA	NA	NA	NA	NA	18" STUB	NA	0.00
L-2	FUTURE BLDG.	100	10.00	8.74	0.90	1.96	15.42	0.00	15.42	NA	NA	NA	NA	NA	NA	24" STUB	NA	0.00
L-3	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.40	3.15	0.00	3.15	2.37	0.0100	PAR	NA	NA	6	10	REC	0.00
L-4	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.27	2.12	0.00	2.12	2.37	0.0100	PAR	NA	NA	5	10	REC	0.00
L-5	FUTURE BLDG.	100	10.00	8.74	0.90	1.21	9.52	0.00	9.52	NA	NA	NA	NA	NA	NA	5' X 5'	''Y''	0.00
L-6	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.19	1.49	0.00	1.49	2.37	0.0100	PAR	NA	NA	4	6	REC	0.00
L-7	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.31	2.44	0.00	2.44	2.37	0.0100	PAR	NA	NA	5	6	REC	0.00
L-8	FUTURE BLDG.	100	10.00	8.74	0.90	1.85	14.55	0.00	14.55	NA	NA	NA	NA	NA	NA	21" STUB	NA	0.00
L-9	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.31	2.44	0.00	2.44	2.37	0.0100	PAR	NA	NA	5	6	REC	0.00
L-10	FUTURE BLDG.	100	10.00	8.74	0.90	1.19	9.36	0.00	9.36	NA	NA	NA	NA	NA	NA	21" STUB	NA	0.00
L-11	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.27	2.12	0.00	2.12	2.37	0.0100	PAR	NA	NA	5	6	REC	0.00
L-12	SPECTRUM DRIVE	100	10.00	8.74	0.90	0.31	2.44	0.00	2.44	2.37	0.0100	PAR	NA	NA	5	6	REC	0.00
LINE "M" - MORRIS AVENUE																		
M-1	BUILDING "M"	100	10.00	8.74	0.90	0.36	2.83	0.00	2.83	NA	NA	NA	NA	NA	NA	21" STUB	NA	NA
M-2	MORRIS AVENUE	100	10.00	8.74	0.90	0.12	0.94	0.00	0.94	5.18	0.0150	PAR	NA	NA	3	6	MOD REC	0.00
M-3	MORRIS AVENUE	100	10.00	8.74	0.90	0.37	2.91	0.00	2.91	5.18	0.0150	PAR	NA	NA	6	6	MOD REC	0.00
M-4	MORRIS AVENUE	100	10.00	8.74	0.90	0.53	4.17	0.00	4.17	5.18	0.0150	PAR	NA	NA	7	8	MOD REC	0.00
M-5	BUILDING "N"	100	10.00	8.74	0.90	1.04	8.18	0.00	8.18	NA	NA	NA	NA	NA	NA	21" STUB	NA	NA
M-6	FUTURE BLDG.	100	10.00	8.74	0.90	1.37	10.78	0.00	10.78	NA	NA	NA	NA	NA	NA	21" STUB	NA	NA
M-7	MORRIS AVENUE	100	10.00	8.74	0.90	0.11	0.87	0.00	0.87	5.18	0.0150	PAR	NA	NA	3	6	MOD REC	0.00
M-8	MORRIS AVENUE	100	10.00	8.74	0.90	0.32	2.52	0.00	2.52	5.18	0.0150	PAR	NA	NA	5	6	MOD REC	0.00
LINE "N" - FUTURE RESIDENTIAL STREET R2																		
N-1	FUTURE BLDG.	100	10.00	8.74	0.90	1.21	9.52	0.00	9.52	NA	NA	NA	NA	NA	NA	21" STUB	NA	NA
N-2	FUTURE BLDG.	100	10.00	8.74	0.90	0.44	3.46	0.00	3.46	NA	NA	NA	NA	NA	NA	21" STUB	NA	NA
N-3	STREET R2	100	10.00	8.74	0.90	0.55	4.33	0.00	4.33	5.18	0.0150	PAR	NA	NA	8	8	MOD REC	0.00
N-4	STREET R2	100	10.00	8.74	0.90	0.17	1.34	0.00	1.34	5.18	0.0150	PAR	NA	NA	3	6	MOD REC	0.00
N-5	FUTURE BLDG.	100	10.00	8.74	0.90	0.76	5.98	0.00	5.98	NA	NA	NA	NA	NA	NA	21" STUB	NA	NA
N-6	STREET R2	100	10.00	8.74	0.90	0.15	1.18	0.00	1.18	5.18	0.0150	PAR	NA	NA	3	6	MOD REC	0.00
N-7	FUTURE PARK	100	10.00	8.74	0.50	0.69	3.02	0.00	3.02	NA	NA	NA	NA	NA	NA	21" STUB	NA	NA

RECORD DRAWING

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

STATE OF TEXAS
DAVID E. MEYERS
81512
REGISTERED PROFESSIONAL ENGINEER
12/3/00

DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

STORM WATER CALCULATIONS
INLET & RUNOFF CALCULATIONS

ADDISON CIRCLE

PHASE II PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Huitt-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	JUN. 97	01-1822-21	SW3

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