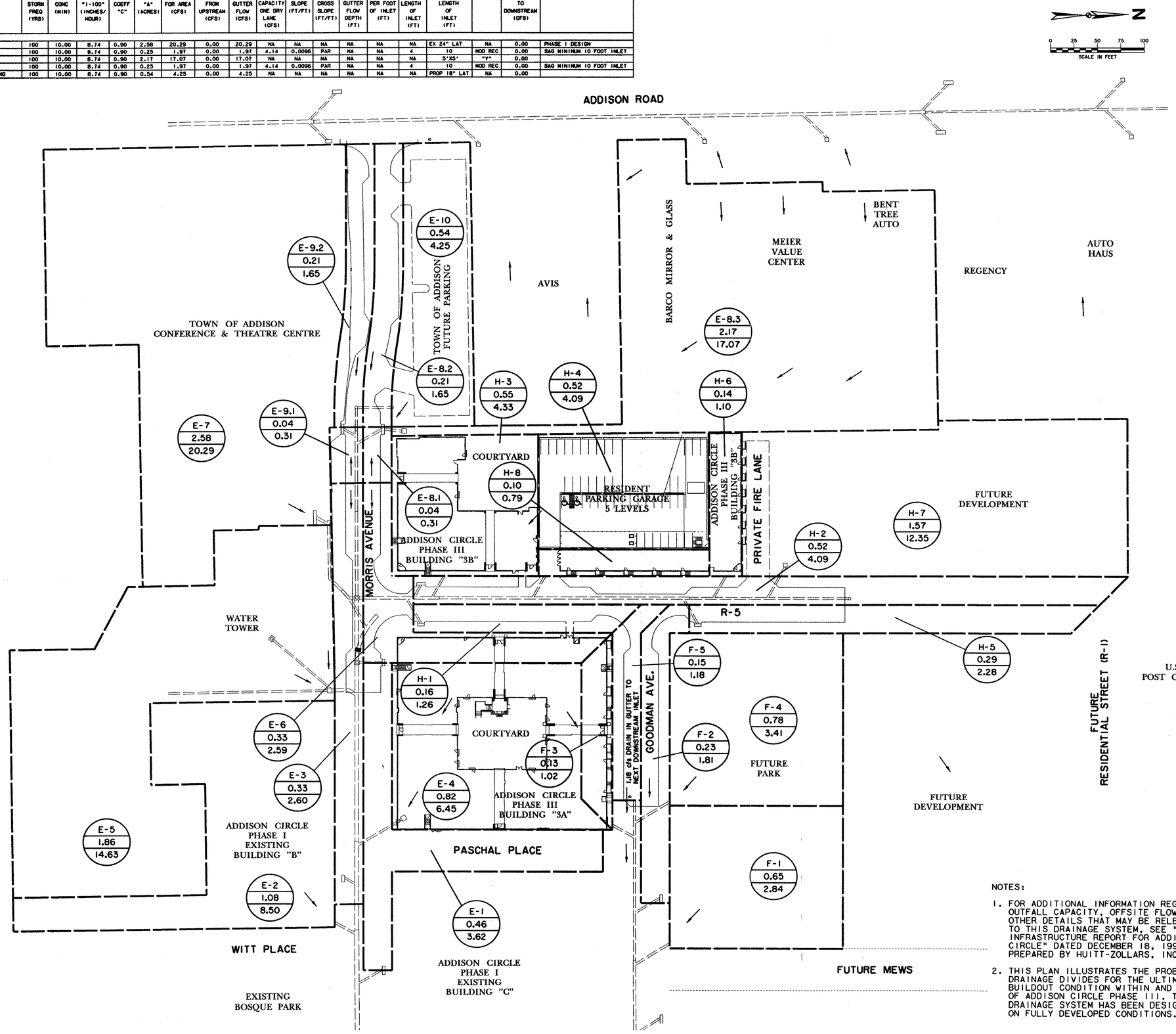
INLET CALCULATIONS

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)	COMMENTS
LINE "E" - MORRIS AVE																			
E-7	CONF CENTRE	100	10.00	8.74	0.90	2.58	20.29	0.00	20.29	NA	NA	NA	NA	NA	NA	EX 24" LAT	NA	0.00	PHASE I DESIGN
E-8.1,8.2	MORRIS AVE	100	10.00	8.74	0.90	0.25	1.97	0.00	1.97	4.14	0.0096	PAR	NA	NA	4	10	MOD REC	0.00	SAG MINIMUM 10 FOOT INLET
E-8.3	OFFSITE	100	10.00	8.74	0.90	2.17	17.07	0.00	17.07	NA	NA	NA	NA	NA	NA	5'X5'	"Y"	0.00	
E-9.1,9.2	MORRIS AVE	100	10.00	8.74	0.90	0.25	1.97	0.00	1.97	4.14	0.0096	PAR	NA	NA	4	10	MOD REC	0.00	SAG MINIMUM 10 FOOT INLET
E-10	FUTURE PARKING	100	10.00	8.74	0.90	0.54	4.25	0.00	4.25	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	

STORM WATER RUNOFF CALCULATIONS

AREA NO.	Tc (MIN.)	INTENSITY "I-100" (IN./HR)	RUNOFF COEFF. "C"	AREA "A" (ACRES)	STORM RUNOFF "Q-100"
E-1	10.00	8.74	0.90	0.46	3.62
E-2	10.00	8.74	0.90	1.08	8.50
E-3	10.00	8.74	0.90	0.33	2.60
E-4	10.00	8.74	0.90	0.82	6.45
E-5	10.00	8.74	0.90	1.86	14.63
E-6	10.00	8.74	0.90	0.33	2.60
E-7	10.00	8.74	0.90	2.58	20.29
E-8.1	10.00	8.74	0.90	0.04	0.31
E-8.2	10.00	8.74	0.90	0.21	1.65
E-8.3	10.00	8.74	0.90	2.17	17.07
E-9.1	10.00	8.74	0.90	0.04	0.31
E-9.2	10.00	8.74	0.90	0.21	1.65
E-10	10.00	8.74	0.90	0.54	4.25
F-1	10.00	8.74	0.50	0.65	2.84
F-2	10.00	8.74	0.90	0.23	1.81
F-3	10.00	8.74	0.90	0.13	1.02
F-4	10.00	8.74	0.50	0.78	3.41
F-5	10.00	8.74	0.90	0.15	1.18
H-1	10.00	8.74	0.90	0.16	1.26
H-2	10.00	8.74	0.90	0.52	4.09
H-3	10.00	8.74	0.90	0.55	4.33
H-4	10.00	8.74	0.90	0.52	4.09
H-5	10.00	8.74	0.90	0.29	2.28
H-6	10.00	8.74	0.90	0.14	1.10
H-7	10.00	8.74	0.90	1.57	12.35
H-8	10.00	8.74	0.90	0.10	0.79



DRAINAGE AREA DIVIDE

DIRECTION OF SURFACE FLOW

RUNOFF CRITERIA

C=0.50 FOR AREAS F1 & F4
C=0.90 FOR REMAINING AREAS
MINIMUM t_c=10.00 MINUTES
I_{100}=8.74 in/hr

A-1 — DRAINAGE AREA DESIGNATION
0.32 — TOTAL DRAINAGE AREA (ACRES) AT POINT OF CONCENTRATION
2.52 — Q100 (cfs)

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 — 3/29/01

DATE	DESCRIPTION	REF NO.
4/20/01	ISSUED FOR BID	N/A

NOTES:

1. FOR ADDITIONAL INFORMATION REGARDING OUTFALL CAPACITY, OFFSITE FLOWS AND OTHER DETAILS THAT MAY BE RELEVANT TO THIS DRAINAGE SYSTEM, SEE "MASTER INFRASTRUCTURE REPORT FOR ADDISON CIRCLE" DATED DECEMBER 18, 1995, PREPARED BY HUITT-ZOLLARS, INC.
2. THIS PLAN ILLUSTRATES THE PROBABLE DRAINAGE DIVIDES FOR THE ULTIMATE BUILDOUT CONDITION WITHIN AND UPSTREAM OF ADDISON CIRCLE PHASE III. THE PERMANENT DRAINAGE SYSTEM HAS BEEN DESIGNED BASED ON FULLY DEVELOPED CONDITIONS.

DRAINAGE AREA MAP PROPOSED & EXISTING DEVELOPMENT

MORRIS AVENUE EXTENSION

PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Huitt - Zollars, Inc.
3131 Mckinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	1"=50'	APR. 2001	01-3000-01	10

h:\proj\01300001\dgn\MORRDAMI.DGN

h:\proj\01300001\dgn\MORRDAMI.DGN Thu Mar 29 09:42:20 2001 h:\proj\01300001\dgn\PLOTTING\400V\MORRDAMI.PRF
PRF ROTATION=90.000000 PX,PY=0,0 SCALE=1.000000 PLOTTED BY: Huitt-Zollars, Inc.
T:\MORRTOP\DGN\17-23-26,31-32,54 U:\MORRUTIL.DGN\ 41,43 S:\MORRDOM.DGN\ 1-3,10,20,56,59-61 P:\MORRBASE.DGN\ 2,11,12,17,18,41,42,44