

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-1	MORRIS AVE	100	10.00	8.74	0.90	0.46	3.62	0.00	3.62	NA	NA	PAR	NA	NA	6	6	REC	0.00	PHASE I DESIGN
E-2	EXIST BLDG 'B'	100	10.00	8.74	0.90	1.08	8.50	0.00	8.50	NA	NA	NA	NA	NA	NA	EX 21" STUB	REC	0.00	PHASE I DESIGN
E-3	MORRIS AVE	100	10.00	8.74	0.90	0.33	2.60	0.00	2.60	4.23	0.0100	PAR	NA	NA	5	6	MOD REC	0.00	
E-4	PROP BLDG 'D'	100	10.00	8.74	0.90	0.82	6.45	0.00	6.45	NA	NA	NA	NA	NA	NA	EX 21" STUB	NA	0.00	PHASE I DESIGN
E-5	WATER TOWER SITE	100	10.00	8.74	0.90	1.86	14.63	0.00	14.63	NA	NA	NA	NA	NA	NA	EX 30" LAT	MOD REC	0.00	PHASE I DESIGN
E-6	MORRIS AVE	100	10.00	8.74	0.90	0.33	2.60	0.00	2.60	4.23	0.0100	PAR	NA	NA	4	6	MOD REC	0.00	
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	
LINE "F" - GOODMAN AVE																			
F-1	FUTURE PARK	100	10.00	8.74	0.50	0.65	2.84	0.00	2.84	NA	NA	NA	NA	NA	NA	EX 24" STUB	NA	0.00	PHASE I DESIGN
F-2	MORRIS AVE	100	10.00	8.74	0.90	0.23	1.81	0.00	1.81	5.67	0.0180	PAR	NA	NA	4	EX 8"	MOD REC	0.00	PHASE I DESIGN
F-3	PROP BLDG 'D'	100	10.00	8.74	0.90	0.13	1.02	0.00	1.02	NA	NA	NA	NA	NA	NA	EX 21" STUB	NA	0.00	PHASE I DESIGN
F-4	FUTURE PARK	100	10.00	8.74	0.50	0.78	3.41	0.00	3.41	NA	NA	NA	NA	NA	NA	EX 21" STUB	NA	0.00	PHASE I DESIGN
F-5	MORRIS AVE	100	10.00	8.74	0.90	0.15	1.18	0.00	1.18	5.67	0.0180	PAR	NA	NA	3	6	MOD REC	0.00	PHASE I DRAINAGE AREA F-7
LINE "H" - ARTIST WAY																			
H-1	ARTIST WAY	100	10.00	8.74	0.90	0.16	1.26	0.00	1.26	6.84	0.0262	PAR	NA	NA	3	6	MOD REC	0.00	
H-2	ARTIST WAY	100	10.00	8.74	0.90	0.52	4.09	0.00	4.09	6.84	0.0262	PAR	NA	NA	8	8	MOD REC	0.00	
H-3	BLDG 'E'	100	10.00	8.74	0.90	0.55	4.33	0.00	4.33	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	
H-4	BLDG 'E' GARAGE	100	10.00	8.74	0.90	0.52	4.09	0.00	4.09	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	
H-5	ARTIST WAY	100	10.00	8.74	0.90	0.29	2.28	0.00	2.28	4.55	0.0116	PAR	NA	NA	5	6	MOD REC	0.00	
H-6	BLDG 'E'	100	10.00	8.74	0.90	0.14	1.10	0.00	1.10	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	
H-7	FUTURE DEVELOPMENT	100	10.00	8.74	0.90	1.57	12.35	0.00	12.35	NA	NA	NA	NA	NA	NA	PROP 21" LAT	NA	0.00	
H-8	BLDG 'E'	100	10.00	8.74	0.90	0.10	0.79	0.00	0.79	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

RECORD DRAWING

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



DATE	DESCRIPTION	REF NO.
6/23/99	ISSUED FOR CONSTRUCTION	N/A
5/17/99	ISSUED FOR BID	N/A
STORM WATER CALCULATIONS INLET & RUNOFF CALCULATIONS		
ADDISON CIRCLE		
PHASE II-B PUBLIC INFRASTRUCTURE		
TOWN OF ADDISON, TEXAS		
<small>HULL - ZOIERS, INC. 3131 McKinney Ave., Suite 600, Dallas, TX 75204 Phone (214) 871-3311 / Fax (214) 871-0757</small>		
DESIGN	DRAWN	APPR.
HZ1	HZ1	DEM
SCALE	DATE	PROJECT NO.
N.T.S.	MAR. 99	01-1822-50
NO.		
	SW2	

N:\proj\01182250\AUC30604.DGN
 P:\01182250\AUC30604.DWG
 DATE: 3/22/99 11:44:27 AM
 USER: DAVID MEYERS
 PLOT: 3/22/99 11:44:27 AM
 PLOTTER: HP DesignJet 500C-4
 PLOT SCALE: 1.0000
 PLOT SHEET: 1 OF 1
 PLOT STATUS: SUCCESS