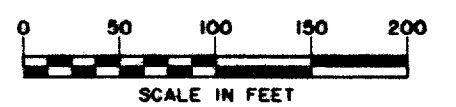


N

STORM WATER RUNOFF CALCULATIONS

AREA NO.	Tc (MIN.)	INTENSITY "1-100" (IN./HR)	RUNOFF COEFF. "C"	AREA "A" (ACRES)	STORM RUNOFF "Q-100"
A-17	20.00	6.80	0.30	10.88	22.20
A-18	20.00	6.80	0.30	7.86	16.03
L-13	10.00	8.74	0.30	2.72	7.13
Q-8	10.00	8.74	0.30	0.44	1.15



NOTES:

1. THIS PLAN REPRESENTS FLOW QUANTITIES AND DRAINAGE PATTERNS TO BE ANTICIPATED FROM AREAS UPSTREAM OF ADDISON CIRCLE PHASE I PRIOR TO THE ULTIMATE DEVELOPMENT OF THESE AREAS. IT ALSO INDICATES TEMPORARY SWALES AND INLETS NEEDED TO HANDLE THESE INTERIM DRAINAGE PATTERNS. HOWEVER, THE PERMANENT STORM SEWER SYSTEM HAS BEEN DESIGNED FOR ULTIMATE DEVELOPMENT CONDITIONS PER SHEET SW1 OF THIS SET.
2. EXISTING STORM SEWER LOCATIONS AND SIZES WERE OBTAINED FROM RECORD DRAWINGS FROM THE TOWN OF ADDISON. ACTUAL LOCATION IN THE FIELD MAY VARY FROM THE PLANS.

- DRAINAGE AREA DIVIDE
- DIRECTION OF SURFACE FLOW

RUNOFF CRITERIA

C=0.30 FOR UNDEVELOPED AREAS
 C=0.90 FOR DEVELOPED AREAS
 MINIMUM t_c =10.00 MINUTES
 i_{100} =8.74 in/hr

- (A-17) DRAINAGE AREA DESIGNATION
- (10.88) TOTAL DRAINAGE AREA (ACRES) AT POINT OF CONCENTRATION
- (22.20) Q100 (cfs)

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



RECORD DRAWING

DATE	DESCRIPTION	REF NO.				
10/3/97	ISSUED FOR CONSTRUCTION	N/A				
7/14/97	ISSUED FOR BID	N/A				
DRAINAGE AREA MAP OFFSITE AREAS EXISTING CONDITIONS ADDISON CIRCLE PHASE II PUBLIC INFRASTRUCTURE TOWN OF ADDISON, TEXAS						
<small>Hull-Zollars, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario</small>						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	1"=100'	JUN. 97	01-1822-21	SW2



HULL-ZOLLARS, INC. ENGINEERING/ARCHITECTURE
 10000 N. CENTRAL EXPRESSWAY, SUITE 200, DALLAS, TEXAS 75203
 TEL: (214) 343-8800 FAX: (214) 343-8801
 WWW.HULLZOLLARS.COM
 DATE PLOTTED: 10/3/97 10:00 AM
 PLOT BY: HZI