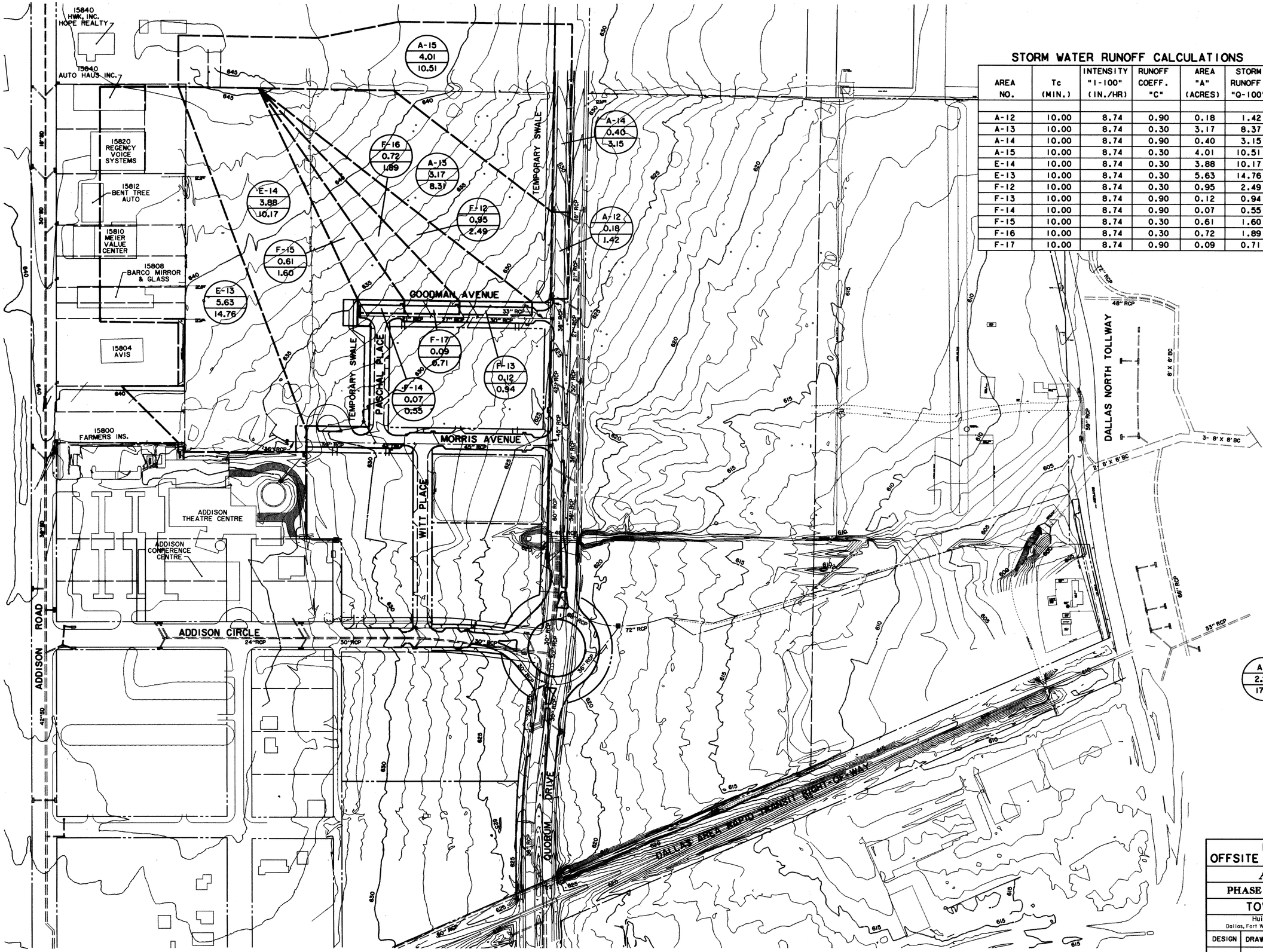

STORM WATER RUNOFF CALCULATIONS

AREA NO.	Tc (MIN.)	INTENSITY "I-100" (IN./HR)	RUNOFF COEFF. "C"	AREA "A" (ACRES)	STORM RUNOFF "Q-100"
A-12	10.00	8.74	0.90	0.18	1.42
A-13	10.00	8.74	0.30	3.17	8.37
A-14	10.00	8.74	0.90	0.40	3.15
A-15	10.00	8.74	0.30	4.01	10.51
E-14	10.00	8.74	0.30	3.88	10.17
E-13	10.00	8.74	0.30	5.63	14.76
F-12	10.00	8.74	0.30	0.95	2.49
F-13	10.00	8.74	0.90	0.12	0.94
F-14	10.00	8.74	0.90	0.07	0.55
F-15	10.00	8.74	0.30	0.61	1.60
F-16	10.00	8.74	0.30	0.72	1.89
F-17	10.00	8.74	0.90	0.09	0.71

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 59 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-1 — DRAINAGE AREA DESIGNATION
2.22 — TOTAL DRAINAGE AREA (ACRES) AT POINT OF CONCETRATION
17.5 — Q100 (cfs)

ISSUED FOR CONSTRUCTION
MARCH 28, 1996

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KENNETH A. ROBERTS, P.E. 55446 ON MARCH 28, 1996.

STATE OF TEXAS
KENNETH A ROBERTS
55446
REGISTERED
PROFESSIONAL ENGINEER
3-28-96

RECORD DRAWING 5/1/98

DRAINAGE AREA MAP
OFFSITE AREAS EXISTING CONDITIONS
ADDISON CIRCLE
PHASE I PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

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

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	KAR	1"=100'	JAN 96	1822-04	60 137

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