



RUNOFF COMPUTATIONS- DRAINAGE AREA E		
METHOD	PARAMETERS	Q100(m ³ /s)
RATIONAL	C=.8 tc=20min l=17.27mm/hr A=118.3	32.3
REGIONAL * REGRESSION	REGION=2 S=14.92m/km A=118.3HA	45.0
S.C.S.	T.R. 20 METHOD	60.9

* EQUATION: $Q100 = 17.78 \times (A/259)^{0.694} \times (S \times 5.28)^{0.261}$

NOTE:
SCS METHOD YIELDS HIGHEST FLOW AND IS MORE SUITED TO CALCULATING RUNOFF FROM URBAN DRAINAGE BASINS; THEREFORE 60.9 m³/s IS THE DESIGN FLOW FOR THE BOX CULVERT.

LEGEND
 - - - MAJOR DIVIDE
 ——— SUBDIVIDE



DRAINAGE AREA MAP

KELLER SPRINGS ROAD
DALLAS COUNTY, TEXAS
TEXAS DEPARTMENT OF TRANSPORTATION

Half Associates
ENGINEERS - ARCHITECTS - SCIENTISTS - PLANNERS - SURVEYORS

DESIGN	DRAWN	NOTED	FED. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
	CADD		TEXAS	TEXAS	STP 86 (09) 394	1
DATE	FILE	SCALE	STATE DET. NO.	COUNTY	CONTROL SECTION NO.	JOB NO.
APRIL 1998	708DAMAP	1:3000	18	DALLAS	0918	48 222
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