



Area = 0.17 Acres  
 60% Impervious Area  
 Hydrologic Soil Group B  
 $T_c = 15$  minutes  
 $C_p = 0.60$   
 $C_{100} = 0.72$   
 $I_s = 4.56$  in/hr  
 $I_{100} = 7.37$  in/hr  
 $Q_s = 0.5$  cfs  
 $Q_{100} = 0.9$  cfs

Area = 0.77 Acres  
 29% Impervious Area  
 Hydrologic Soil Group B  
 $T_c = 15$  minutes  
 $C_p = 0.41$   
 $C_{100} = 0.57$   
 $I_s = 4.56$  in/hr  
 $I_{100} = 7.37$  in/hr  
 $Q_s = 1.4$  cfs  
 $Q_{100} = 3.2$  cfs

Area = 0.89 Acres  
 88% Impervious Area  
 Hydrologic Soil Group B  
 $T_c = 15$  minutes  
 $C_p = 0.82$   
 $C_{100} = 0.90$   
 $I_s = 4.56$  in/hr  
 $I_{100} = 7.37$  in/hr  
 $Q_s = 3.3$  cfs  
 $Q_{100} = 5.9$  cfs

Area = 0.28 Acres  
 48% Impervious Area  
 Hydrologic Soil Group B  
 $T_c = 15$  minutes  
 $C_p = 0.53$   
 $C_{100} = 0.66$   
 $I_s = 4.56$  in/hr  
 $I_{100} = 7.37$  in/hr  
 $Q_s = 0.7$  cfs  
 $Q_{100} = 1.4$  cfs

CONSTRUCT 6" X 18" CONCRETE FLUME

SRB

1" = 30'  
 ELEVATION = CITY DATUM

BENCH MARK: "□" CUT TOP OF CURB  
 W. CURB RETURN @ N.W. COR. LYDIA & RITA  
 ELEV.=102.22 (CITY DATUM)



**WESTSIDE UNITED METHODIST CHURCH ADDITION  
 DRAINAGE PLAN  
 WICHITA, KANSAS**

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<b>SAVOY, RUGGLES &amp; BOHM, P. A. ENGINEERING &amp; SURVEYING</b>					
PROJECT NUMBER					
DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
KWL	KWL			Aug. 20, 1997	

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