



TOTAL AREA OF RAN < 0.4 AC.  
 $Q_5 < 1.5$  CFS,  $Q_{100} < 2.4$  CFS  
 NO INLETS (PLACE FURTHER WEST)

**DRAINAGE PLAN**  
**TERRACE PARK ADDITION**  
 WICHITA, SEDGWICK COUNTY, KS.

⊙ POINT "A", FL. 145.0  
 D.A. = 8.2 AC.  
 $C = 0.7$  ASSUME  $T_c = 15$  MIN.  
 $I_{100} = 6.9$  "/hr.  
 $Q_{100} = 40.0$  CFS  
 NORMAL DEPTH = 1.65'  
 HWD = 4.5'  
 (ASSUMING WORST CONDITION,  
 OUTLET CONTROL & SUBCRITICAL FLOW)  
 36" CMP WILL FLOW 45 CFS  
 FLOW WILL PROBABLY BE SUPERCRITICAL  
 ENERGY DISSIPATOR MAY BE REQUIRED

⊙ POINT "B", FL. = 151.0  
 D.A. = 4.5 AC.  
 $C = 0.7$   
 $Q_{100} = 22$  CFS  
 NORMAL DEPTH = 1.3'

⊙ POINT "C", FL. 152.5  
 D.A. = 4.4 AC.  
 $C = 0.7$   
 $Q_5$  (PIPE) = 12.9 CFS  
 $Q_{100} = 21.3$  CFS  
 NORMAL DEPTH = 1.1'  
 HWD = 3.0'

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