



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 = 30'

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