

# DRAINAGE PLAN MIKKI ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

### PROPOSED BASIN 'LOT 1' DATA

Drainage Area = 1.01 Ac.  
Hydrologic Soil Type "B"  
 $T_c = 15$  min.  
 $C_2 = 0.33$   
 $C_{100} = 0.51$   
 $I_2 = 3.83$  in.  
 $I_{100} = 7.37$  in.  
 $Q_2 = 1.3$  cfs  
 $Q_{100} = 3.8$  cfs

### PROPOSED BASIN 'LOT 3' DATA

Drainage Area = 2.77 Ac.  
Hydrologic Soil Type "B"  
 $T_c = 15$  min.  
 $C_2 = 0.33$   
 $C_{100} = 0.51$   
 $I_2 = 3.83$  in.  
 $I_{100} = 7.37$  in.  
 $Q_2 = 3.5$  cfs  
 $Q_{100} = 10.4$  cfs

### PROPOSED BASIN 'LOT 4' DATA

Drainage Area = 1.85 Ac.  
Hydrologic Soil Type "D"  
 $T_c = 15$  min.  
 $C_2 = 0.41$   
 $C_{100} = 0.71$   
 $I_2 = 3.83$  in.  
 $I_{100} = 7.37$  in.  
 $Q_2 = 2.9$  cfs  
 $Q_{100} = 9.7$  cfs

### PROPOSED BASIN 'LOT 2' DATA

Drainage Area = 3.60 Ac.  
Hydrologic Soil Type "B"  
 $T_c = 15$  min.  
 $C_2 = 0.33$   
 $C_{100} = 0.51$   
 $I_2 = 3.83$  in.  
 $I_{100} = 7.37$  in.  
 $Q_2 = 4.6$  cfs  
 $Q_{100} = 13.5$  cfs

Proposed Culvert Pipe for openings along Arkansas Ave. shall be 18" RCP or 18" CMP.

OVERFLOW FROM POND DRAINS TO EAST TO WICHITA-VALLEY CENTER FLOOD CONTROL DITCH.

UNPLATTED

MINIMUM BUILDING PAD LOWEST OPENING FOR ALL STRUCTURES CONSTRUCTED ON LOTS 1 THROUGH 4, MIKKI ADDITION SHALL BE 137.0 (CITY DATUM).

MIKKI ADDITION PROJECT SITE

