

AREA = 0.79 ACRES  
 $C_s = 0.84$   $C_{100} = 0.91$   
 $f_s = 3.83''/HR$   
 $T_C = 15$  MINUTES  
 $Q_s = 2.6$  CFS  
 $Q_{100} = 5.4$  CFS

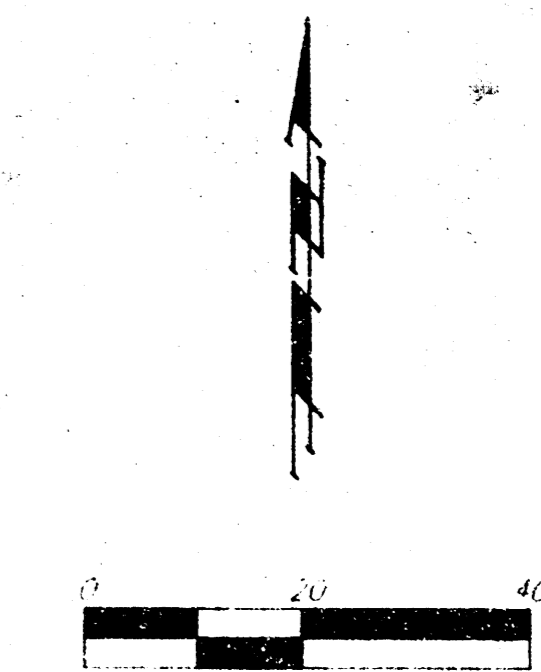
SCALE  
 1" = 20'  
 SRB

**DRAINAGE PLAN**  
**O'REILLY ADDITION**  
**WICHITA, KANSAS**

<b>SRB</b>		324 NORTH MAIN WICHITA, KANSAS 67203	316-264-8088 FAX 264-4821
<b>SAVOY, RUGGLES &amp; BOHM, P.A.</b> ENGINEERING & SURVEYING			
PROJECT NUMBER:			
DESIGN	DRAWN	UTILITY	REVIEW
CMG	KML		
DATE		REVISED	
Sept. 10, 1994			

# DRAINAGE PLAN O'REILLY 2ND ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

Drainage Area = 0.28 acres  
 Rational "C" = 0.87  
 Tc = 15 min.  
 I2 = 3.83 in/hr  
 I5 = 4.56 in/hr  
 I100 = 7.37 in/hr  
 Q2 = 0.9 cfs  
 Q5 = 1.1 cfs  
 Q100 = 1.8 cfs



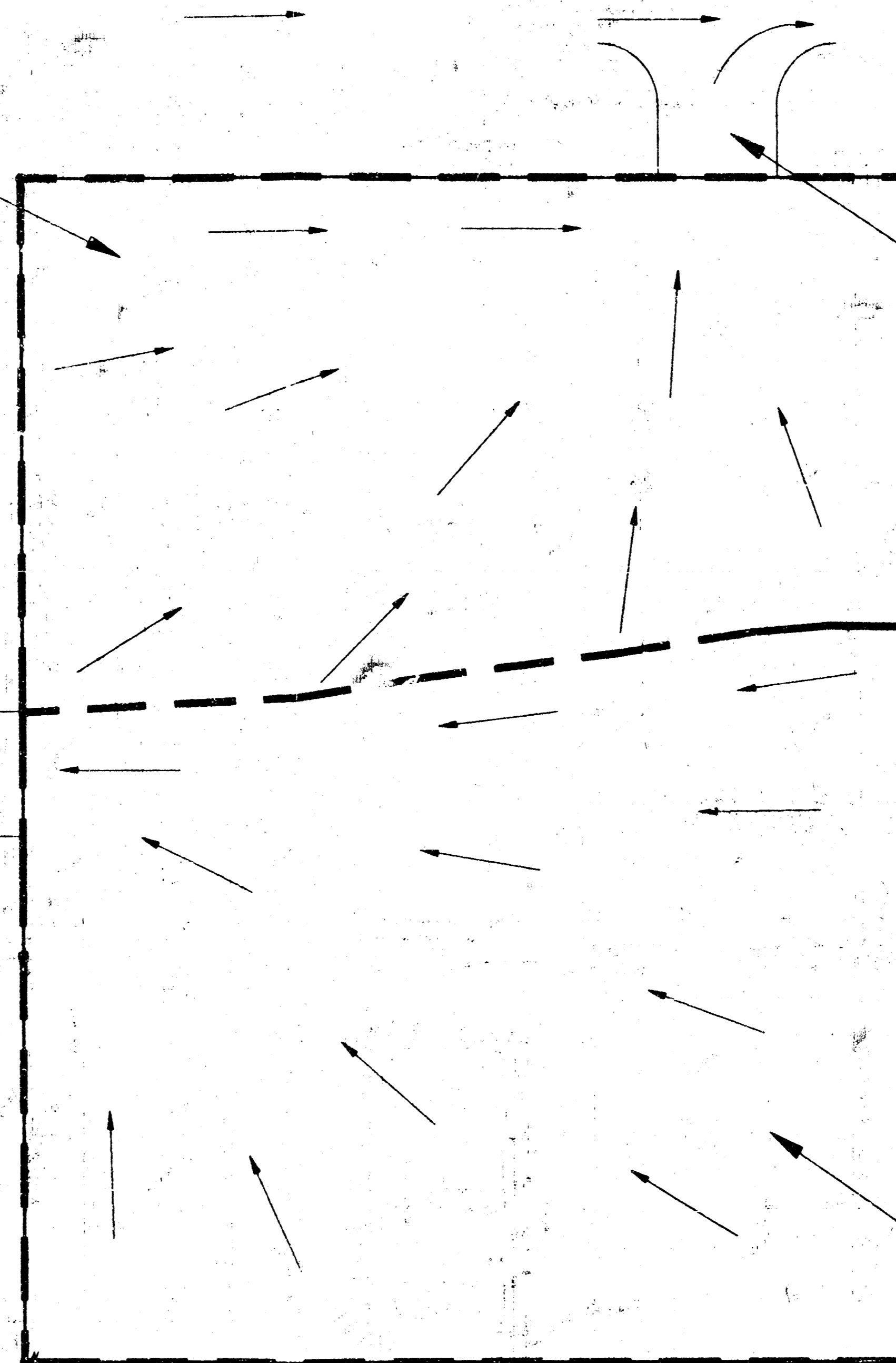
Approx. Location  
Of Proposed  
Driveway

Approx. Location  
Of Proposed  
Driveway

El Rancho Road

Pawnee Avenue

Hillside



This site is divided into two drainage basins. One in the northern part of the plat, which contains an area of 0.28 acres, and one in the southern portion of the plat which contains 0.38 acres. Runoff from the northern basin will flow to the north-east to the Pawnee Avenue right-of-way. Runoff from the southern basin will flow to the west where it will be discharged into the public right-of-way of El Rancho Road. Once in the right-of-way the runoff will flow north to Pawnee Avenue. At Pawnee Avenue the excess storm water will turn and flow to the east. Approximately one hundred feet from the intersection of Pawnee Ave. and El Rancho Road, the runoff from the two basin will combine and continue to flow to the east to a drainage channel between Hillside and George Washington Blvd. This channel discharges directly into the Arkansas River.

Drainage Area = 0.38 acres  
 Rational "C" = 0.87  
 Tc = 15 min.  
 I2 = 3.83 in/hr  
 I5 = 4.56 in/hr  
 I100 = 7.37 in/hr  
 Q2 = 1.3 cfs  
 Q5 = 1.5 cfs  
 Q100 = 2.4 cfs