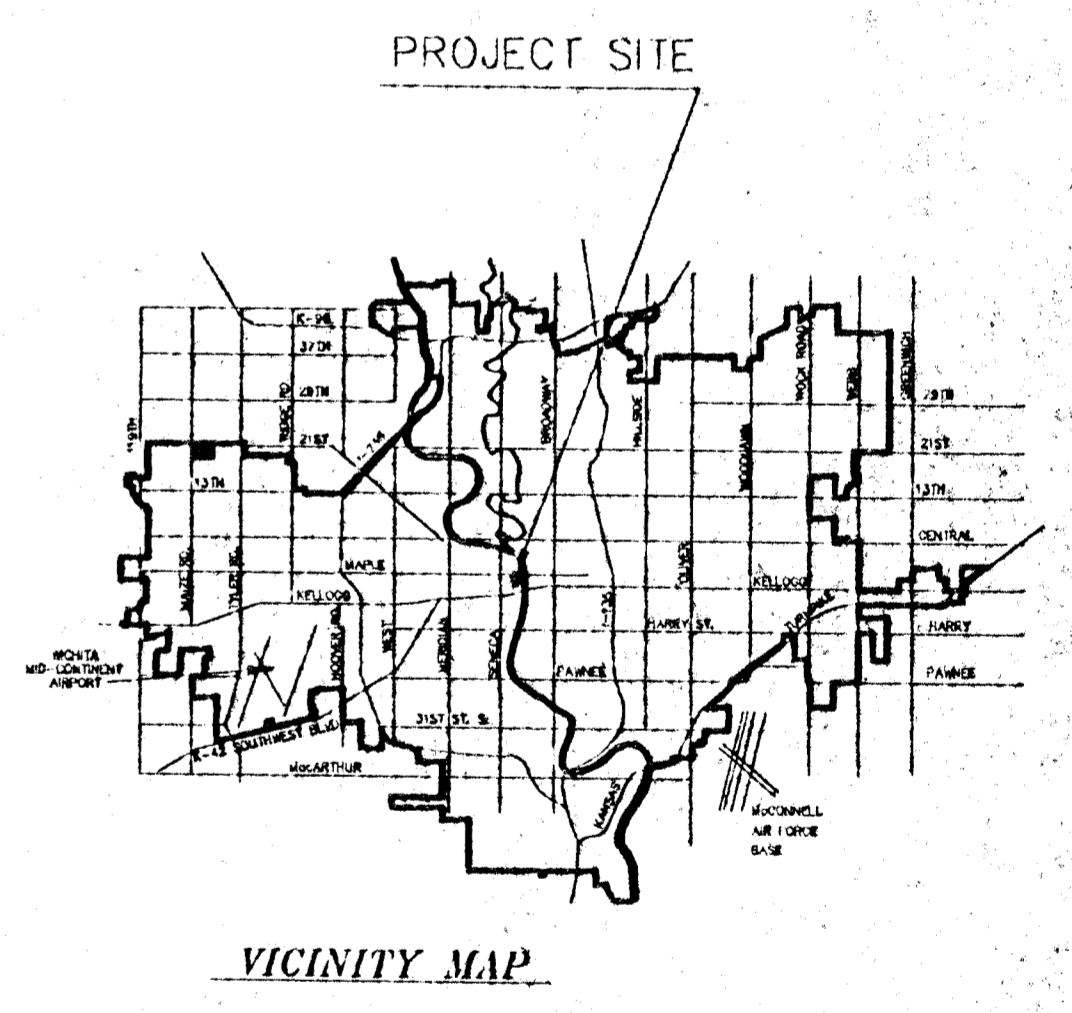


Storm sewer outfall pipe size to be determined with design of Maple/McLean Improvements  
 Existing SWS to be removed with Maple/McLean Improvements

SCALE: 1"=40'

ELEVATION = CITY DATUM

BENCH MARK:  
 Brass rod in concrete post  
 @ S.W. Corner Maple & Sycamore  
 Elev. 110.73 City Datum



# DRAINAGE PLAN WEST BANK 1ST ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

U. S. 54 HIGHWAY  
 CONDEMNATION CASE A-60844

Runoff calculations by Rational Formula:  $Q=CIA$   
 Total site area = 11.9 Acres  
 $T=15$  minutes (assumed for all areas)  
 Impervious area=388,446 s.f. (75%)  
 Pervious area=129,482 s.f. (25%)  
 Soil group "B"  
 $C_1=0.67$   $C_{100}=0.80$   
 $Q_2=3.06$  cfs/acre  $Q_{100}=5.90$  cfs/acre  
 $I_2=4.56$  in./hr.  $I_{100}=7.37$  in./hr.

NOTE: This plan does not provide any on-site detention

GROSS SIZE OF PLAT  
 461,909.3 SQ FT ± OR 10.60 ACRES ±  
 LOT 1 (REVISED)  
 248,166.9 SQ FT ± OR 5.69 ACRES ±  
 LOT 2 (REVISED)  
 213,742.4 SQ FT ± OR 4.91 ACRES ±



**SRB** 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-4621  
**SAVOY, RUGGLES & BOHM, P.A.**  
 ENGINEERING & SURVEYING

PROJECT NO. 94L00237P  
 DWG FILE (1,REX)237P(DRCP)

2 MAR 95