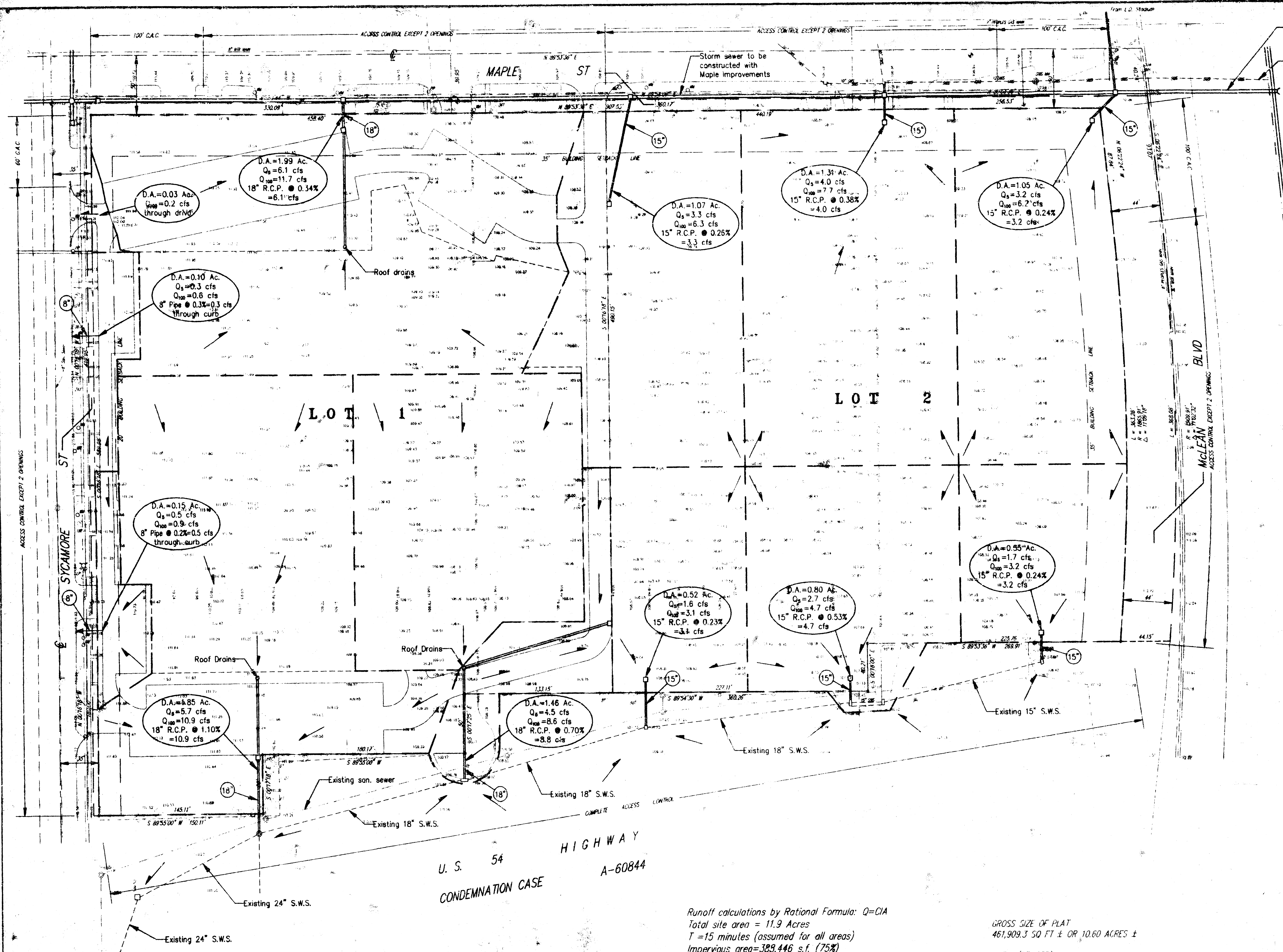




Storm sewer outfall pipe size to be determined with design of Maple/McLean improvements

Existing SWS to be removed with Maple/McLean improvements

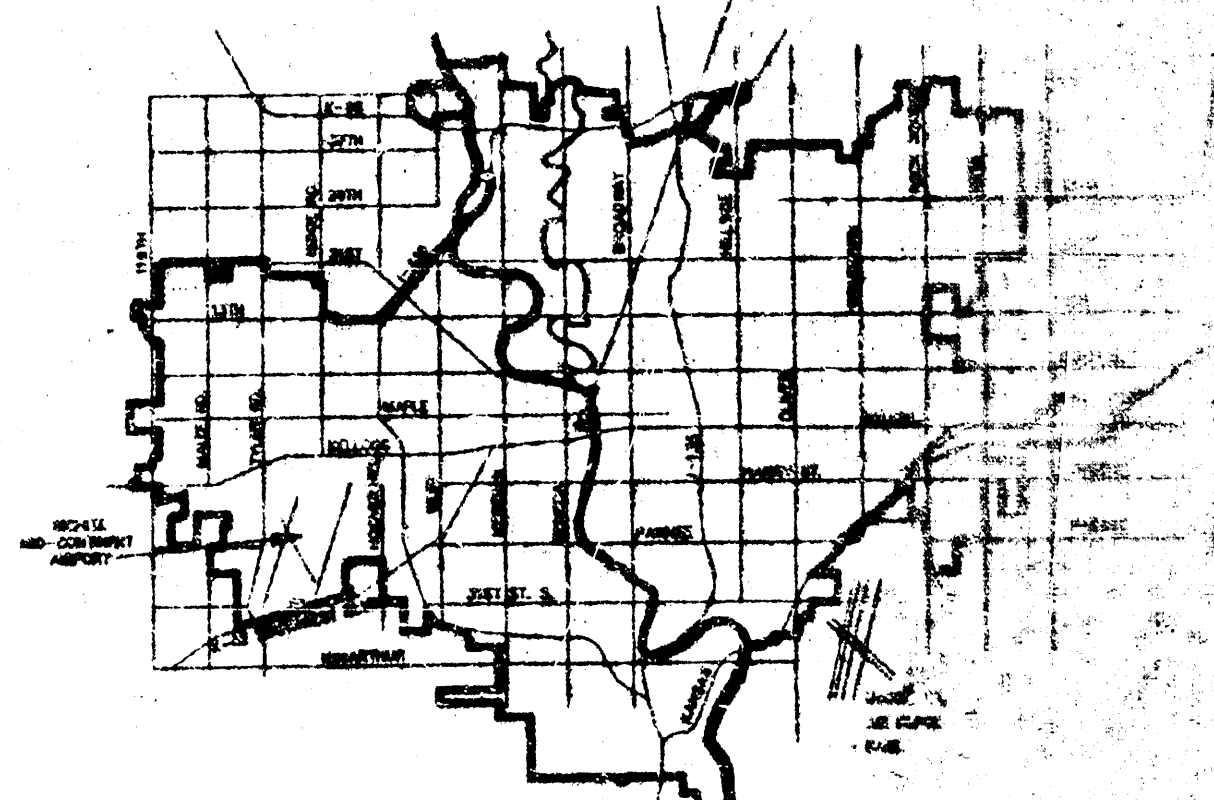
SCALE: 1"=40'

ELEVATION = CITY DATUM

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

ARKANSAS RIVER

PROJECT SITE



VICINITY MAP

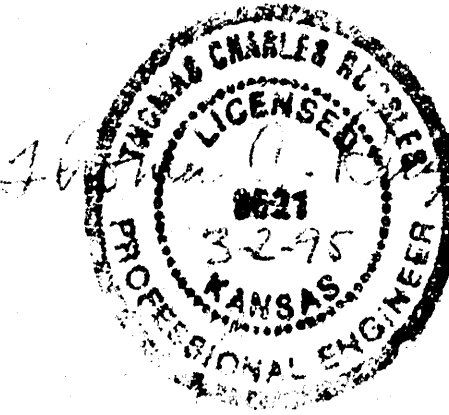
DRAINAGE PLAN WEST BANK 1ST ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

Runoff calculations by Rational Formula: $Q=CIA$
Total site area = 11.9 Acres
 $T=15$ minutes (assumed for all areas)
Impervious area = 389,446 s.f. (75%)
Pervious area = 129,482 s.f. (25%)
Soil group "B"
 $C_s=0.67$ $C_{100}=0.80$
 $Q_s=3.06$ cfs/acre $Q_{100}=5.90$ cfs/acre
 $I_s=4.56$ 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

824 NORTH MAIN WICHITA, KANSAS 67203 316-264-6021 FAX 264-4621

SAVOY, RUGGLES & BOHM, P.A. ENGINEERING & SURVEYING

PROJECT NO. 94L00237P DWG FILE (T.REX)237P\URGP

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