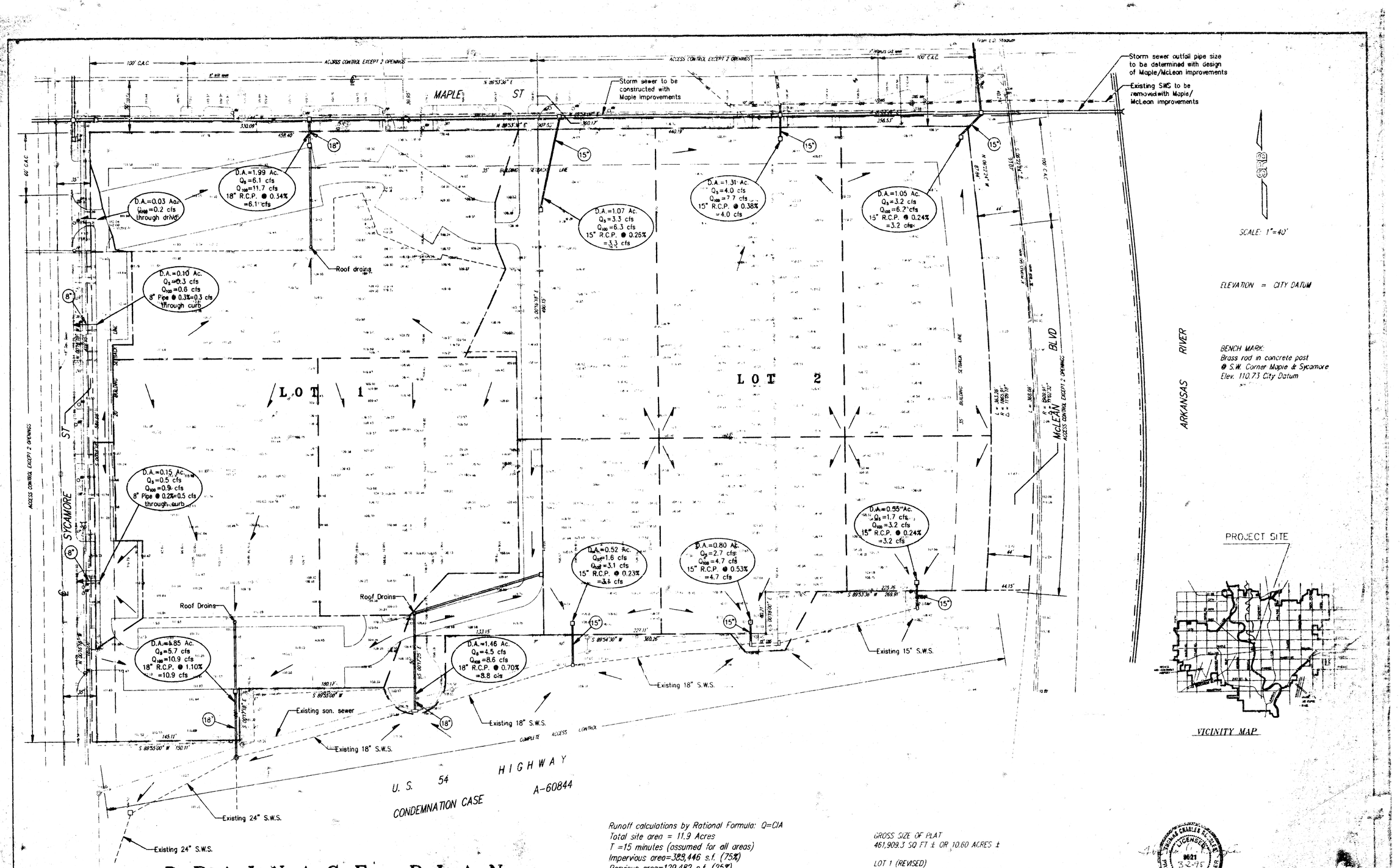

DRAINAGE PLAN
WEST BANK 1ST ADDITION

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_5=0.67 C_{100}=0.80
Q_5=3.06 cfs/acre Q_{100}=5.90 cfs/acre
I_5=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 ±

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

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

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