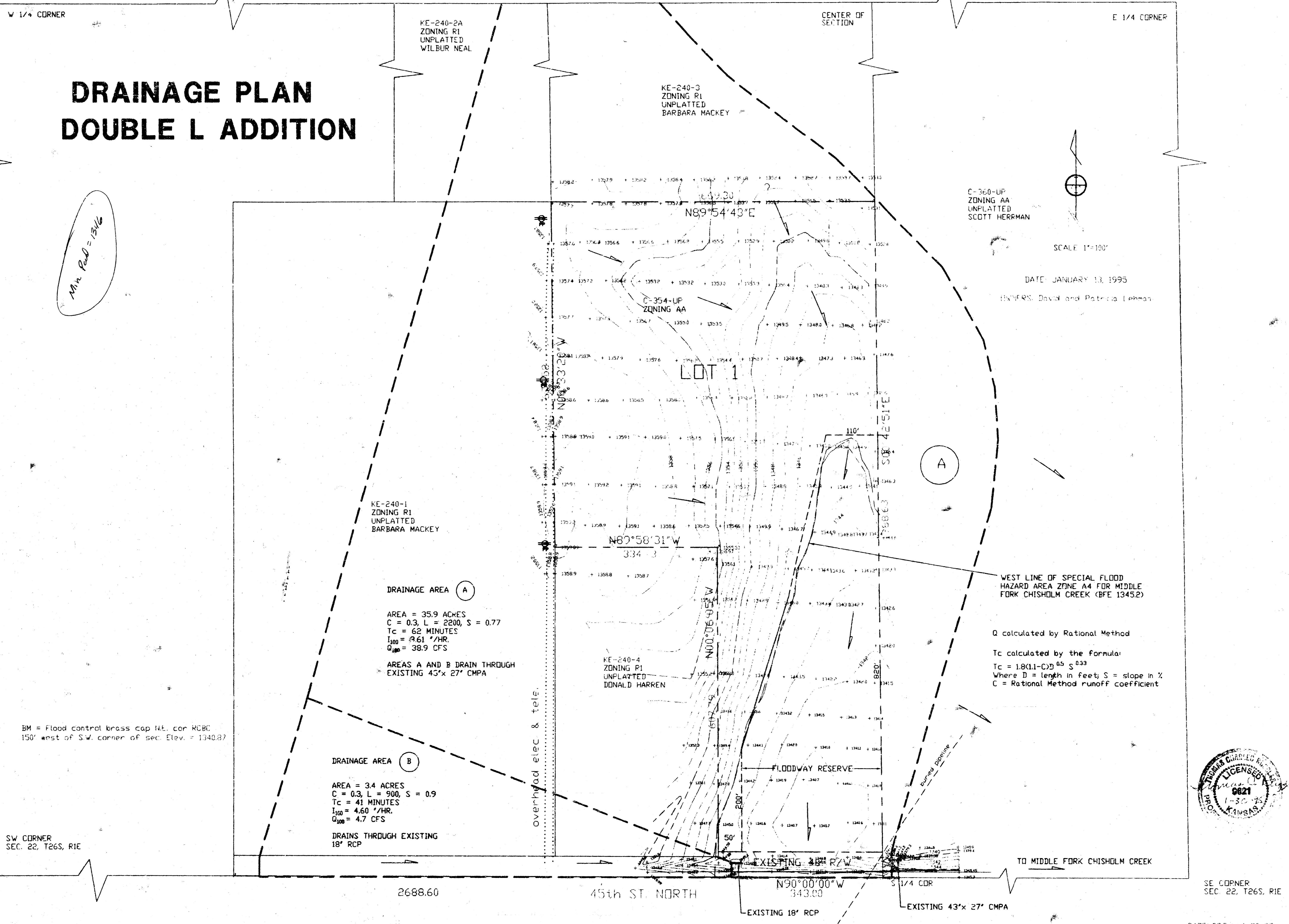


DRAINAGE PLAN DOUBLE L ADDITION

M.A. P.D. = 15%

HYDRAULIC



W 1/4 CORNER

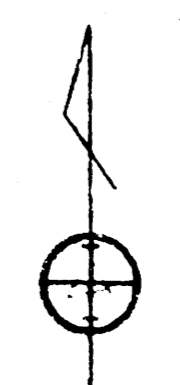
KE-240-2A
ZONING R1
UNPLATTED
WILBUR NEAL

CENTER OF SECTION

E 1/4 CORNER

KE-240-3
ZONING R1
UNPLATTED
BARBARA MACKEY

C-360-UP
ZONING AA
UNPLATTED
SCOTT HERRMAN



SCALE 1"=100'

DATE: JANUARY 13, 1995

ENGINEERS: David and Patricia Lehman

LOT 1

KE-240-1
ZONING R1
UNPLATTED
BARBARA MACKEY

DRAINAGE AREA (A)

AREA = 35.9 ACRES
C = 0.3, L = 2800, S = 0.77
Tc = 62 MINUTES
I₁₀₀ = 9.61 "/hr.
Q₁₀₀ = 38.9 CFS

AREAS A AND B DRAIN THROUGH EXISTING 43"x 27" CMPA

WEST LINE OF SPECIAL FLOOD HAZARD AREA ZONE A4 FOR MIDDLE FORK CHISHOLM CREEK (BFE 1345.2)

Q calculated by Rational Method
Tc calculated by the formula:
Tc = 18(11+D)^{0.55} S^{0.53}
Where D = length in feet, S = slope in %
C = Rational Method runoff coefficient

BM = Flood control brass cap 14.5 cor #586
150' west of S.W. corner of sec. Elev. = 1140.87

DRAINAGE AREA (B)

AREA = 3.4 ACRES
C = 0.3, L = 900, S = 0.9
Tc = 41 MINUTES
I₁₀₀ = 4.60 "/hr.
Q₁₀₀ = 4.7 CFS

DRAINS THROUGH EXISTING 18" RCP

SW CORNER
SEC. 22, T26S, R1E

2688.60

45th ST. NORTH

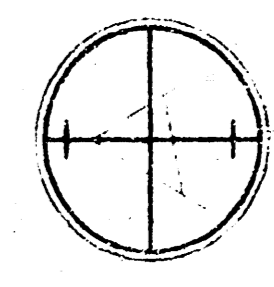
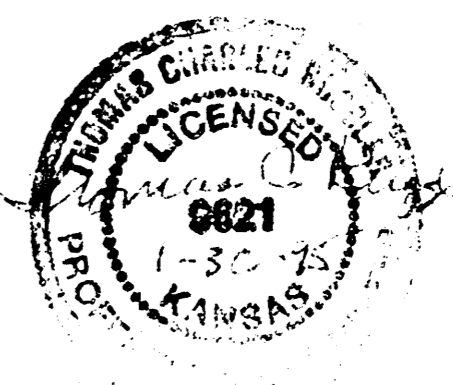
N90°00'00"W
343.00

W 1/4 COR

SE CORNER
SEC. 22, T26S, R1E

250 Mathewson
Wichita, KS 67211
(316) 263-0082

ARMSTRONG LAND SURVEY, P.A.



247E DRG 1 1-30-95