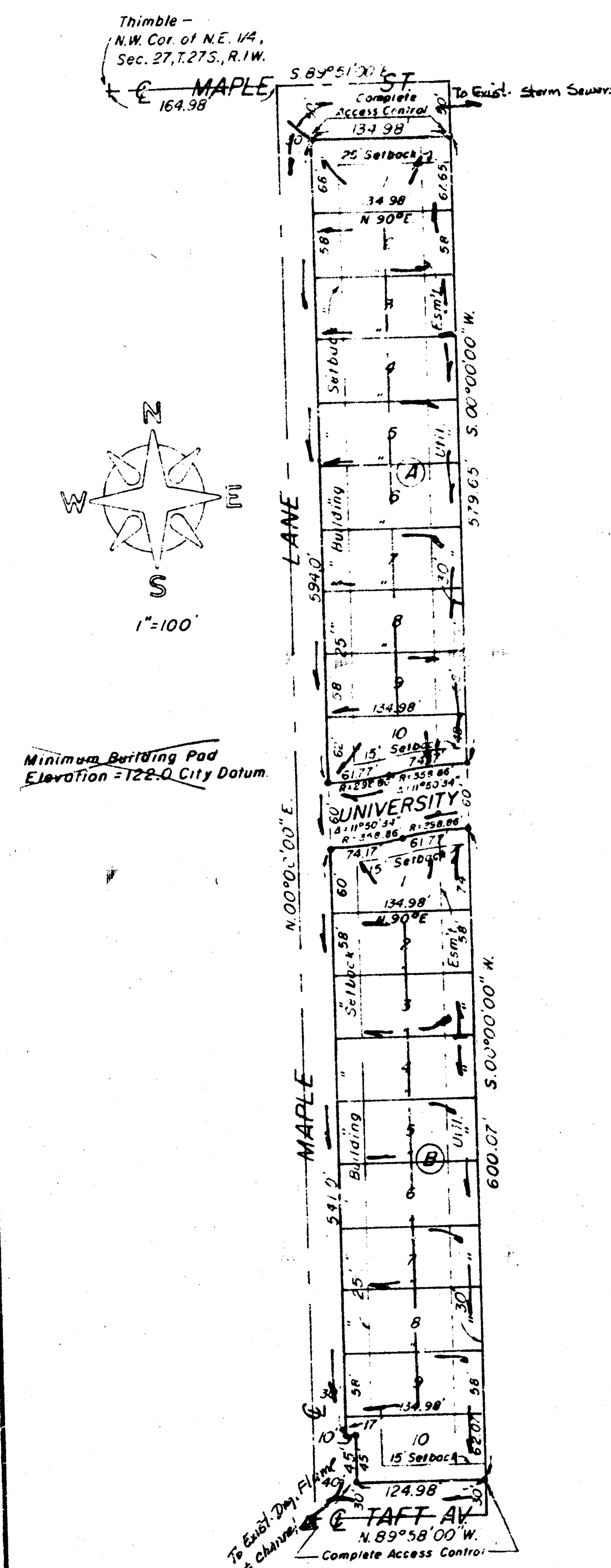


DRAINAGE CONCEPT



MAPLE LANE 3RD. ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

I, Craig Moehring, a Registered Land Surveyor in said State and County, do hereby certify that I have surveyed and platted "MAPLE LANE 3RD ADDITION" to Wichita, Sedgwick County, Kansas, into Lots and Blocks, the same being accurately set forth on the accompanying plat and described as being a Replat of Lots 1, 2, 3 and 4 in Block 1, and also Lots 1, 2, 3 and 4 in Block 2, Maple Lane 2nd Addition to Wichita, Kansas.

Craig Moehring, Surveyor

Know all men by these presents that we the undersigned, property owners of the land as above set forth in the Surveyor's Certificate, have caused the same to be surveyed and platted into Lots and Blocks, to be known as "MAPLE LANE 3RD ADDITION" to Wichita, Sedgwick County, Kansas. Easements for the construction and maintenance of public utilities, as indicated on the accompanying plat, are hereby granted. All other rights of access to or from Maple Street, over and across the North line of Lot 1, Block A, and also to or from Taft Avenue, over and across the South line of Lot 10, Block B, are hereby granted to the City of Wichita.

UNRUH AND ASSOCIATES, INC.

Bradley J. Unruh, President

Richard P. Thompson, Contract Purchaser

Sharon A. Thompson, Contract Purchaser

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

Be it remembered that this day of 1987, before me, a Notary Public in and for said State and County, came Unruh and Associates, Inc. by Bradley J. Unruh, President, on behalf of the Corporation, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same on behalf of and as the act and deed of said Corporation. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Notary Public

My Commission Expires

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

Be it remembered that this day of 1987, before me, a Notary Public in and for said State and County came Richard P. Thompson and Sharon A. Thompson, Contract Purchaser's, to me personally known to be the same persons who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Notary Public

My Commission Expires

This plat of "MAPLE LANE 3RD ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission.

Dated this day of 1987.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

John Terry Moore, Chairman

Marvin S. Krout, Secretary

This plat has been approved and all dedications shown hereon, if any, accepted by the Board of Commissioners of Sedgwick County, Kansas, this day of 1987.

Tom Scott, Chairman

Mark F. Schroeder, Chairman Pro-tem

David Bayouth, Commissioner

Bernard A. Hentzen, Commissioner

Attest: Billy O. McCray, County Clerk

Don Wright, County Clerk

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

This is to certify that this instrument was filed for record in the Register of Deeds Office at 1987.

Pat Kettler, Register of Deeds

Ed Resa, Deputy

Entered on transfer record this day of 1987.

Don Wright, County Clerk

MAPLE LN. 3rd. Add. - Drainage Evaluation -

9/1/87
JCH

BASIC DATA -

Soil = Canadian, C₂ (Seq. Co. Soil Survey)
Hydrologic Soil Group "B"
Flat Slopes; $\leq 1\%$

Drainage Area:

Lots 1 thru 10, Blk "A" = 1.82 Ac.
Lots 1 thru 10, Blk "B" = 1.83 Ac.

TOTAL 3.65 AC±

Small drainage area, utilize "RATIONAL METHOD" to compute design runoff.
FROM CITY OF WICHITA DRAINAGE CRITERIA - The following:
a/ Use minimum $T_c = 15$ minutes
b/ $I = 3.83/hr$ & $I_{100} = 7.27/hr$

c/ For 1/8 Ac. Single Family Residential areas,
w/ 50% impervious areas & Soil Group "B":
Runoff Coefficients are:
 $C_2 = 0.52$
 $C_{100} = 0.67$

Peak Discharge @ s. end of Maple Lane,
for 2 yr and 100 yr. return period, as follows:

$$Q_2 = C_2 I_2 A = 0.52 \times 3.83 \times 3.65$$

$$\Rightarrow Q_2 = 7.3 \text{ cfs}$$

$$Q_{100} = C_{100} I_{100} A = 0.67 \times 7.27 \times 3.65$$

$$\Rightarrow Q_{100} = 18.0 \text{ cfs}$$