BAUGHMAN CO.
SURVEYORS

316/262-7271 • 330 LAURA • WICHITA, KANSAS 67211

CONFIRMATION MEMO

PROJECT Farm Credit Banks of Wichita Add.

JOB NO. _____

DATE June 11, 1982

COPIES TO:

Louise Olivarez
Mike Lindebak

TO Chris Breitenstein

FROM John Lundblade

REFERENCE Drainage Plan

Attached is the lot grading plan for the above referenced project.

Plat submitted to planning June 11, 1982

To be heard by Subdivision Committee June 24

FARM CREDIT BANKS OF WICHITA ADD.
DRAINAGE PLAN

DESIGN CONSIDERATIONS:

T_c = 15 Min.
I_5 = 5.21 in/hr
I_{100} = 8.98 in/hr
C = 0.7 - Lot 1, Blk. 1
C = 0.9 - Lot 1, Blk. 2

AREA #1

DA = 3.35 Ac.
Q_5 = 0.7 x 5.21 x 3.35 = 12.2 c.f.s.
Q_{100} = 0.7 x 8.98 x 3.35 = 21.0 c.f.s.

This area is to drain to the Arkansas River via the existing flume and 36" pipe and the existing 18" pipe at the NW corner of the lot or an extension of the pipe into the lot.

AREA #2

DA = 0.4 Ac.
Q_5 = 0.7 x 5.21 x 0.4 = 1.5 cfs
Q_{100} = 0.7 x 8.98 x 0.4 = 2.5 cfs

This area to drain to Waco via drives, flumes, inlets, or other approved methods.

AREA # 3

D. A = 0.4 Ac

Q_5 = 0.9 x 5.21 x 0.4 = 1.9 cfs

Q_{100} = 0.9 x 8.98 x 0.4 = 3.2 cfs

This area to drain to Waco via drives, flumes, inlets, or other approved methods

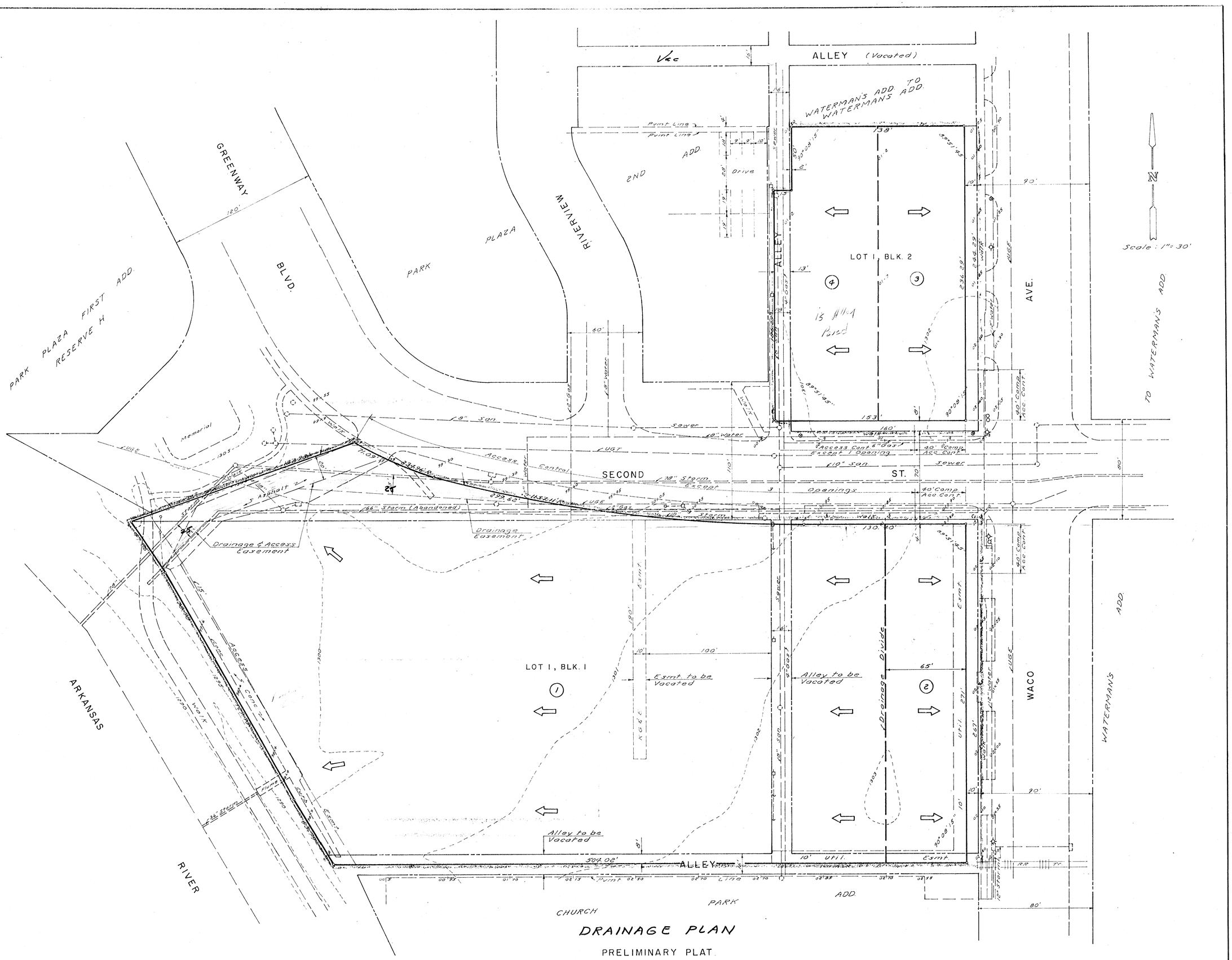
AREA # 4

D.A. = 0.4 Ac

Q_5 = 0.9 x 5.21 x 0.4 = 1.9 cfs

Q_{100} = 0.9 x 8.98 x 0.4 = 3.2 cfs

This area to drain to existing alley via drives, flumes, inlets, or other approved methods.



DRAINAGE PLAN

PRELIMINARY PLAT

FARM CREDIT BANKS OF WICHITA ADDITION

A REPLAT OF LOTS 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45 & RESERVE "A" OF WATERMAN'S ADD. TO WATERMAN'S ADD.

B.M.: Disc in N. Hubguard 2nd St. Bridge 3' W. E. Exp. Jt. El. 1303.03

Revised June 10, 1982
May 25, 1982

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 330 LAURA • WICHITA, KANSAS 67211