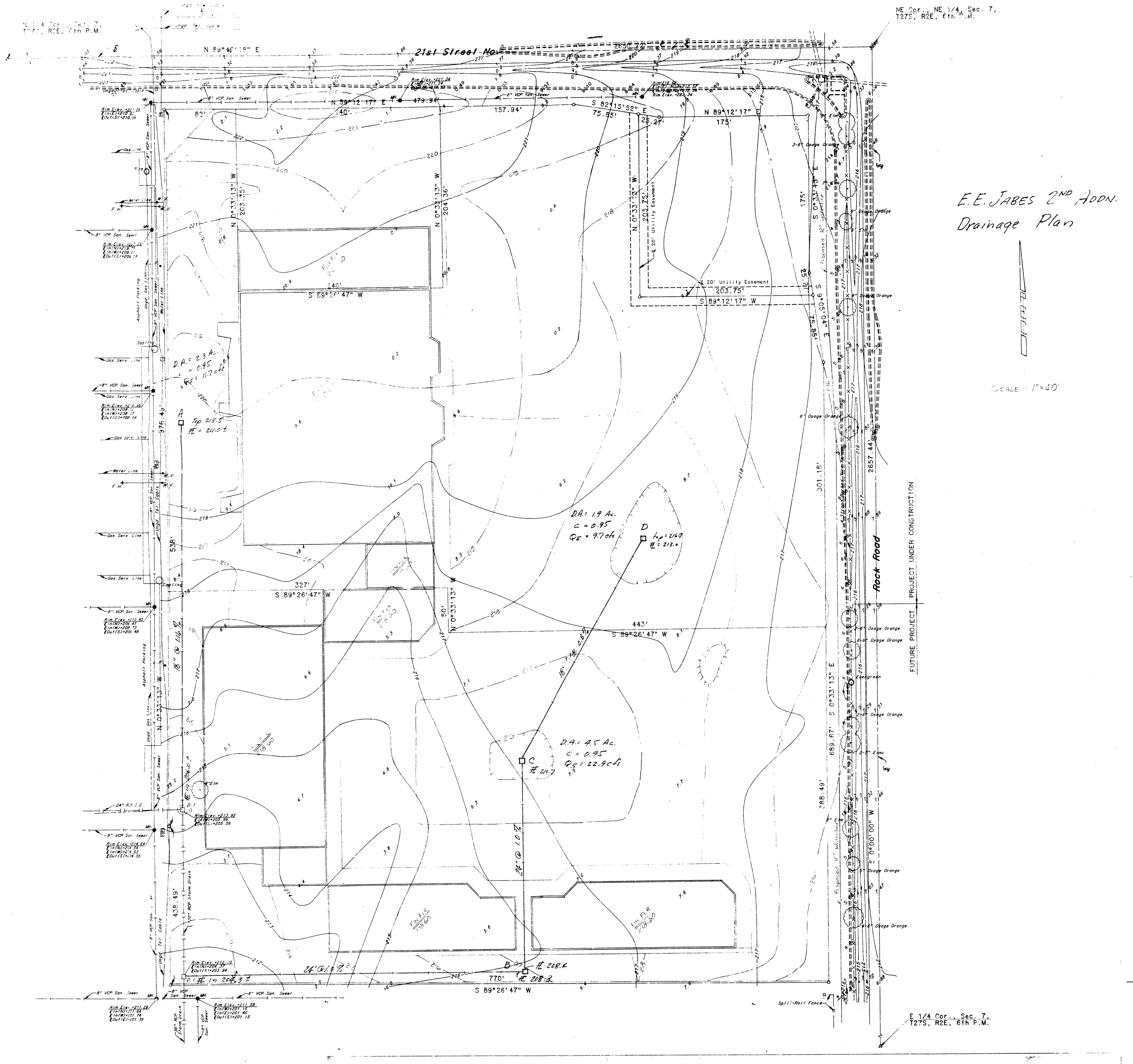


MEMO

TO: Mike Lindebak, P.E.
City Engineer
7th Floor - City Hall
455 N. Main
Wichita, KS 67202

PROJECT NO. [illegible]
PROJECT E. E. Jabes 2nd Addition
DATE: April 4, 1986

COPIES TO:

ATTN: Chris Breitenstein

FROM: Dick Linn, P.E.

REFERENCE: Drainage Plan

PLEASE ADVISE IMMEDIATELY OF ANY MISCONCEPTIONS OR OMISSIONS YOU BELIEVE TO BE CONTAINED HEREIN.

Attached is a copy of the Drainage Plan for E. E. Jabes 2nd Addition. The proposed storm sewer extensions are to be constructed by private contract at the time of site development.

Please contact me if additional information is desired.

Date April 4, 86 Page [illegible] of [illegible]
Project E.E. Jabes 2nd Addition
Item Drainage

POINT A

D.A. = 2.3 Ac.
c = 0.95
tc = 15 min
I_5 = 5.36

$Q_5 = cI_5A$
$= 0.95 \times 5.36 \times 2.3$
$= 11.7$ cfs

USE 18" RCP Flowing Full @ 1.1% ±

POINT B MANHOLE

POINT D

D.A. = 1.9 Ac.
c = 0.95
tc = [illegible]
I_5 = 5.36

$Q_5 = cI_5A$
$= 0.95 \times 5.36 \times 1.9$
$= 9.7$ cfs

USE 18" @ 0.8%

Date 4-4-86 Page 2 of
Project EE Jabes 2nd Addn.
Item Drainage

POINT C

D.A. = 4.5 Ac.
c = 0.95
tc = 15 min
I_5 = 5.36

$Q_5 = cI_5A$
$= 0.95 \times 5.36 \times 4.5$
$= 22.9$ cfs

Pipe C-B = 22.9 + 9.7 = 32.6

USE 27" @ 1.0%

