

N 89° 45' 10" E
T27° 12' 10" P.M.

NE Cor., NE 1/4, Sec. 7,
T27S, R2E, 6th P.M.



MEMO

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

PROJECT NO. 200-210-1

PROJECT: E. E. Jabes 2nd Addition

DATE: April 2, 1982

COPIES TO:

ATTN: Chris Breitenstein

FROM: Dick Ling, 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.

E.E. JABES 2ND ADDN.
Drainage Plan

SCALE: 1" = 40'



Date: 4-2-82 Page: 2 of 2
Project: E.E. JABES 2ND ADDN.
Item: DRAINAGE

POINT A

D.A. = 2.3 A.C.
C = 0.95
I_s = 11.7 cfs

Q_s = 2.3 A
= 0.25 x 5.3 x 2.3
= 3.1 cfs

USE 18" RCP Flowing Full @ 1.75 ft

POINT B

D.A. = 3 A.C.
C = 0.95
I_s = 6.8 cfs

Q_s = 3 A
= 0.25 x 5.3 x 3
= 4.0 cfs

USE 18" RCP



Date: 4-2-82 Page: 2 of 2
Project: E.E. JABES 2ND ADDN.
Item: DRAINAGE

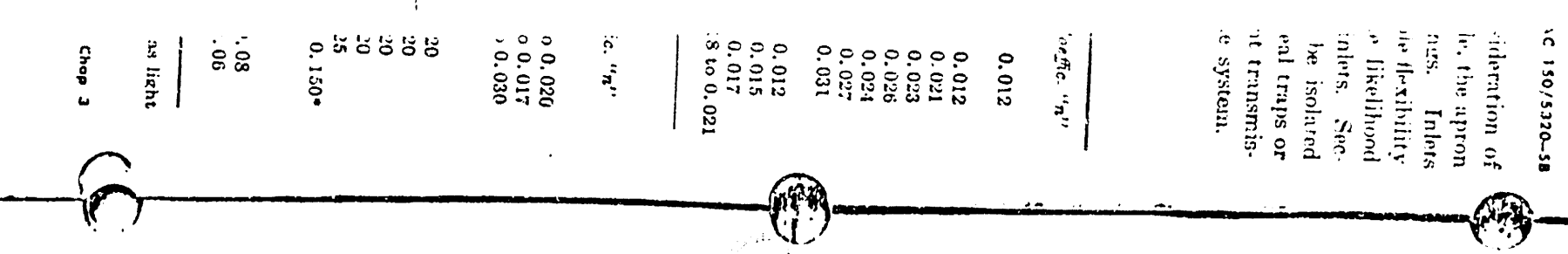
POINT C

D.A. = 4.5 A.C.
C = 0.95
I_s = 15.8 cfs

Q_s = 4.5 A
= 0.25 x 5.3 x 4.5
= 6.2 cfs

USE 24" RCP

USE 24" RCP



DISCHARGE IN CFS

DIAMETER OF DRAIN IN INCHES

SLOPE FOR n = 0.012

DISCHARGE IN CFS

DIAMETER OF DRAIN IN INCHES

SLOPE FOR n = 0.012

DISCHARGE IN CFS

DIAMETER OF DRAIN IN INCHES