

N 89° 45' 10" E  
T27S, R2E, 6th 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

Project: E.E. JABES 2ND ADDN.

Item: DRAINAGE

POINT A

D.A. = 2.3 A.C.  
C = 0.95  
I<sub>s</sub> = 11.70 ft

Q<sub>s</sub> = 2.3 A  
= 0.25 x 5.3 x 2.3  
= 3.12 cfs

USE 18" RCP Flowing Full @ 1.70 ft

POINT B

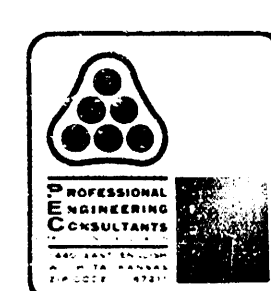
MAN-HOLE

POINT C

D.A. = 3 A.C.  
C = 0.95  
I<sub>s</sub> = 6.50 ft

Q<sub>s</sub> = 3 A  
= 0.25 x 5.3 x 3  
= 4.01 cfs

USE 18" RCP @ 1.70 ft



Date: 4-2-82 Page: 2

Project: E.E. JABES 2ND ADDN.

Item: DRAINAGE

POINT D

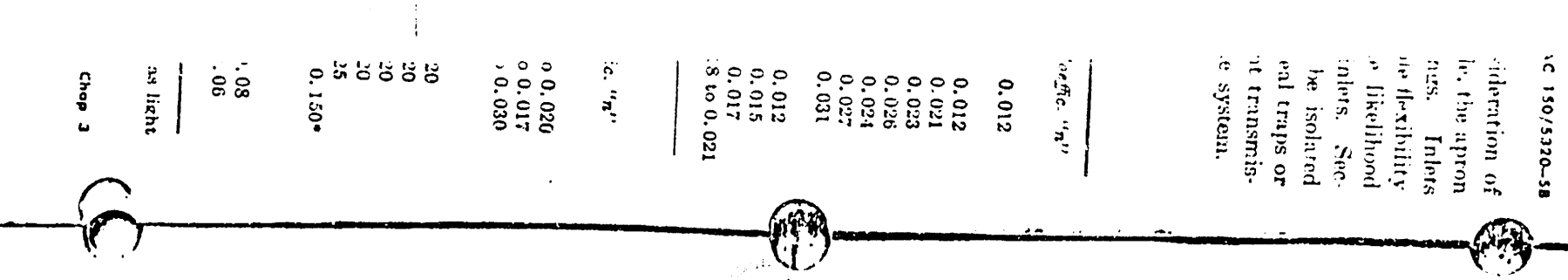
D.A. = 4.5 A.C.  
C = 0.95  
I<sub>s</sub> = 15.00 ft

Q<sub>s</sub> = 4.5 A  
= 0.25 x 5.3 x 4.5  
= 6.01 cfs

USE 24" RCP @ 1.70 ft

USE 24" RCP @ 1.70 ft

USE 24" RCP @ 1.70 ft



| DIAMETER OF DRAIN IN INCHES | DISCHARGE IN CFS |
|-----------------------------|------------------|
| 18                          | 3.12             |
| 24                          | 6.01             |
| 30                          | 10.80            |
| 36                          | 16.60            |
| 42                          | 23.40            |
| 48                          | 31.20            |
| 54                          | 40.00            |
| 60                          | 50.00            |
| 66                          | 61.20            |
| 72                          | 73.60            |
| 78                          | 87.20            |
| 84                          | 102.00           |
| 90                          | 118.00           |
| 96                          | 135.20           |
| 102                         | 153.60           |
| 108                         | 173.20           |
| 114                         | 194.00           |
| 120                         | 216.00           |
| 126                         | 239.20           |
| 132                         | 263.60           |
| 138                         | 289.20           |
| 144                         | 316.00           |
| 150                         | 344.00           |
| 156                         | 373.20           |
| 162                         | 403.60           |
| 168                         | 435.20           |
| 174                         | 468.00           |
| 180                         | 502.00           |
| 186                         | 537.20           |
| 192                         | 573.60           |
| 198                         | 611.20           |
| 204                         | 650.00           |
| 210                         | 689.20           |
| 216                         | 729.60           |
| 222                         | 771.20           |
| 228                         | 814.00           |
| 234                         | 858.00           |
| 240                         | 903.20           |
| 246                         | 949.60           |
| 252                         | 997.20           |
| 258                         | 1046.00          |
| 264                         | 1096.00          |
| 270                         | 1147.20          |
| 276                         | 1199.60          |
| 282                         | 1253.20          |
| 288                         | 1308.00          |
| 294                         | 1364.00          |
| 300                         | 1421.20          |
| 306                         | 1479.60          |
| 312                         | 1539.20          |
| 318                         | 1599.60          |
| 324                         | 1660.80          |
| 330                         | 1723.20          |
| 336                         | 1786.80          |
| 342                         | 1851.60          |
| 348                         | 1917.60          |
| 354                         | 1984.80          |
| 360                         | 2053.20          |
| 366                         | 2122.80          |
| 372                         | 2193.60          |
| 378                         | 2265.60          |
| 384                         | 2338.80          |
| 390                         | 2413.20          |
| 396                         | 2488.80          |
| 402                         | 2565.60          |
| 408                         | 2643.60          |
| 414                         | 2722.80          |
| 420                         | 2803.20          |
| 426                         | 2884.80          |
| 432                         | 2967.60          |
| 438                         | 3051.60          |
| 444                         | 3136.80          |
| 450                         | 3223.20          |
| 456                         | 3310.80          |
| 462                         | 3399.60          |
| 468                         | 3489.60          |
| 474                         | 3580.80          |
| 480                         | 3673.20          |
| 486                         | 3766.80          |
| 492                         | 3861.60          |
| 498                         | 3957.60          |
| 504                         | 4054.80          |
| 510                         | 4153.20          |
| 516                         | 4252.80          |
| 522                         | 4353.60          |
| 528                         | 4455.60          |
| 534                         | 4558.80          |
| 540                         | 4663.20          |
| 546                         | 4768.80          |
| 552                         | 4875.60          |
| 558                         | 4983.60          |
| 564                         | 5092.80          |
| 570                         | 5203.20          |
| 576                         | 5314.80          |
| 582                         | 5427.60          |
| 588                         | 5541.60          |
| 594                         | 5656.80          |
| 600                         | 5773.20          |
| 606                         | 5890.80          |
| 612                         | 6009.60          |
| 618                         | 6130.80          |
| 624                         | 6253.20          |
| 630                         | 6376.80          |
| 636                         | 6501.60          |
| 642                         | 6628.80          |
| 648                         | 6757.20          |
| 654                         | 6887.80          |
| 660                         | 7019.60          |
| 666                         | 7153.60          |
| 672                         | 7289.60          |
| 678                         | 7427.60          |
| 684                         | 7567.60          |
| 690                         | 7709.60          |
| 696                         | 7853.60          |
| 702                         | 7999.60          |
| 708                         | 8147.60          |
| 714                         | 8297.60          |
| 720                         | 8449.60          |
| 726                         | 8603.60          |
| 732                         | 8759.60          |
| 738                         | 8917.60          |
| 744                         | 9077.60          |
| 750                         | 9239.60          |
| 756                         | 9403.60          |
| 762                         | 9569.60          |
| 768                         | 9737.60          |
| 774                         | 9907.60          |
| 780                         | 10079.60         |
| 786                         | 10253.60         |
| 792                         | 10429.60         |
| 798                         | 10607.60         |
| 804                         | 10787.60         |
| 810                         | 10969.60         |
| 816                         | 11153.60         |
| 822                         | 11339.60         |
| 828                         | 11527.60         |
| 834                         | 11717.60         |
| 840                         | 11909.60         |
| 846                         | 12103.60         |
| 852                         | 12299.60         |
| 858                         | 12497.60         |
| 864                         | 12697.60         |
| 870                         | 12899.60         |
| 876                         | 13103.60         |
| 882                         | 13309.60         |
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| 912                         | 14369.60         |
| 918                         | 14587.60         |
| 924                         | 14807.60         |
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| 954                         | 15937.60         |
| 960                         | 16169.60         |
| 966                         | 16403.60         |
| 972                         | 16639.60         |
| 978                         | 16877.60         |
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| 1032                        | 19109.60         |
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| 1056                        | 20153.60         |
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| 1092                        | 21779.60         |
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| 1104                        | 22337.60         |
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| 1122                        | 23189.60         |
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| 1290                        | 32009.60         |
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| 1362                        | 36269.60         |
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| 1992                        | 85829.60         |
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| 2004                        | 86987.60         |
| 2010                        | 87569.60         |
| 2016                        | 88153.60         |
| 2022                        | 88739.60         |
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| 2082                        | 94709.60         |
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