SUBDIVISION COMMITTEE
METROPOLITAN AREA PLANNING COMMISSION

AGENDA ITEM NO. 5

February 6, 1997

STAFF REPORT
(Final Plat)

CASE NUMBER: S/D 97-5 - BRADLEY FAIR 3RD ADDITION

OWNER/APPLICANT: (Contract Purchaser): Vantage Point Properties, Inc.,8110 E. 32nd Stre North, Wichita, KS 67226

and (Contract Purchaser): Laham Holding Co., L.L.C., 150 N. Market, Wich KS 67202

SURVEYOR/ENGINEER: Rob Hartman, c/o P.E.C., P.A., 303 S. Topeka, Wichita, KS 67202

LOCATION: South of 21st Street North and east of Rock Road

SITE SIZE: 22.7 ± Acres

Suggest lot 1 drain thru lot 2 to creek instead to 21st with cross lot drain agreement

SS ext

NUMBER OF LOTS

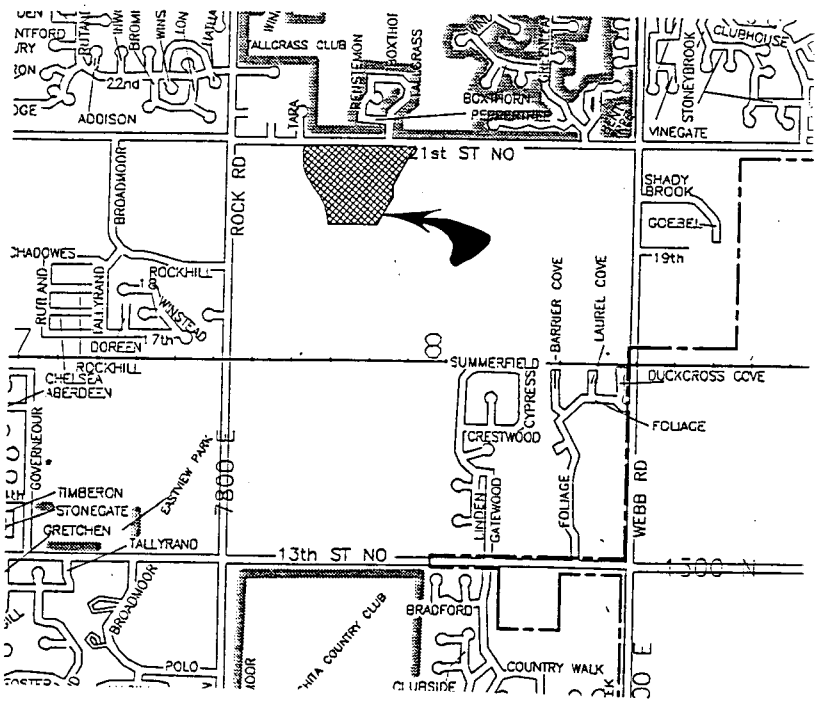
Residential:	
Office:	
Commercial:	2
Industrial:	
Total:	2

MINIMUM LOT AREA: 1.3 Acres

CURRENT ZONING: "L.C." and "AA"

PROPOSED ZONING: "LC" and "GO" (Z-3177)

VICINITY MAP:



I. Prior to submitting the final plat tracing, the applicant shall record the 50' Access Easement being shown along the west line of Lot 1 and indicate the recording information in the tracin A recording copy of the easement shall be submitted to Planning for the plat file.

J. The applicant shall submit an avigational easement covering all of subject plat and a restricti covenant assuring that adequate construction methods will be used to minimize the effects c noise pollution in the habitable structures constructed on subject property.

K. The applicant shall install or guarantee the installation of all utilities and facilities which are applicable and described in Article 8 of the MAPC Subdivision Regulations. (Water service a fire hydrants required by Article 8 for fire protection shall be as per the direction and approva of the Chief of the Fire Department.)

L. The applicant's engineer is advised that the Register of Deeds is requiring the name(s) of the notary public, who acknowledges the signatures on this plat, to be printed beneath the notar signature.

M. The applicant is advised that various State and Federal requirements [specifically but not limi to the Army Corps of Engineers, Kanopolis Project Office, Rt. 1, Box 30, Marquette, KS 67 (913-546-2294) or Kansas Department of Wildlife and Parks, P. O. Box 317, Valley Center, 67147] for the control of soil and wind erosion and the protection of wetlands may impact h this site can be developed. It is the applicant's responsibility to contact all appropriate agenc to determine any such requirements.

N. In accordance with Section 16.04.040 - Permit Fees Item 2a,b (Ord. 42-583) and Section 17.12.065 - payment for connection to water system for properties not included in benefit districts (Ord. 42-584), this property may or may not have been included in a benefit district The applicant/agent should contact Betty Roark, with OCI at 268-4341 and Chuck Steven, Water & Sewer at 268-4555, to determine whether assessments are due.

O. erimeter closure computations shall be submitted with the final plat tracing. Section 5-101

P. ecording of the plat within 30 days after approval by the City Council and/or County ommissio .

Q. e repres tatives from the utility companies should be prepared to comment on the need f lity ease ents to be platted on this property.

R. e repres tatives from **City Engineering** should be prepared to comment on the status of t plicant's rainage plan. Engineering also needs to indicate if the minimum building pad evation, described on this plat, is acceptable.

MEMO

PROFESSIONAL ENGINEERING CONSULTANTS
PROFESSIONAL ASSOCIATION
303 S. TOPEKA
WICHITA, KANSAS
ZIP CODE / 67202

TO: City Engineer's Office
455 N. Main
Wichita, KS 67202
ATTN: V.R. Huang, P.E.

PROJECT NO. 36-97012-1-3917
PROJECT: Bradley Fair 3rd Addition and SWD #119
DATE: January 17, 1997

COPIES TO: 36-96109-042 thru BER

FROM: Michael W. Berry
REFERENCE: Drainage Plan

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

Transmitted herewith is the drainage plan for the referenced project.

The computations for the pond system made for Bradley Fair 2nd Addition, originally submitted December 18, 1995, have been revised herein to reflect the actual design information for Bradley Fair Parkway Phase 2 (City Proj. 472-82732) and for Storm Water Drain No. 119 (City Proj. 468-82602). These changes are as follows:

1. Drainage Area for Pond No. 1 has been reduced.
   a. Bradley Fair 3rd Addition Lot 1 has been diverted to 21st Street.
   b. Nearly all of Bradley Fair 3rd Addition Lot 2 has been diverted to Middle Branch Gypsum Creek.
   c. Street drainage for Bradley Fair Parkway has been diverted from Pond No. 1 to Pond No. 2.

2. Drainage outlet pipe for Pond No. 1 has been reduced to 48-inch in accordance with reduction in drainage area.

3. Reserve area adjacent to Pond Nos. 2 and 3 is proposed to be increased in size, and the contributing area to these ponds has been increased accordingly.

The proposed ponds and control structures for Pond Nos. 2, 3 and 4 are based on preliminary information only. These are subject to change as design development by the platting engineer for those properties takes place. The contributing areas for each pond from Bradley Fair 3rd Addition are tabulated on the Drainage Plan drawing (attached).

A revised hydrologic model (HEC-1) reflecting the design of SWD 119 and Bradley Fair Parkway Phase 2 is attached.

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 E &l0O (s16.6H &l8D &l2A &l81F****************************************
****************************************
*                                      *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)  *
*              MAY  1991               *
*           VERSION 4.0.1E             *
*     Lahey F77L-EM/32 version 5.01    *
*       Dodson & Associates, Inc.      *
*  RUN DATE  01/16/97  TIME  12:18:35  *
****************************************
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*                                      *
*   U.S. ARMY CORPS OF ENGINEERS       *
*   HYDROLOGIC ENGINEERING CENTER      *
*         609 SECOND STREET            *
*       DAVIS, CALIFORNIA 95616        *
*           (916) 551-1748             *
*                                      *
****************************************
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X     X  XXXXXXX   XXXXX          X
X     X  X       X     X        XX
X     X  X       X               X
XXXXXXX  XXXX    X       XXXXX   X
X     X  X       X               X
X     X  X       X     X         X
X     X  XXXXXXX   XXXXX         XXX
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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

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LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

  1       ID       Bradley Fair Drainage Plan
  2       ID       5-, 10-, 25-, & 100-Year Storms
  3       ID       Professional Engineering Consultants
  4       ID       Wichita, Ks
  5       ID       DRC  11/20/95
  6       ID        REVISED MWB 12/02/96
  7       ID        REVISED PDM 1/17/97
  8       ID       File:  T:\DAR\HEC1\BRADLEY8.IH1
  9       ID       PEC PROJ NO 32-96109-042
 10       IT      6 01FEB95    0600       0 02FEB95    1154
 11       IN     30 01FEB95    0600
 12       IO      3       0
 13       JR    PREC  0.5902  0.6875  0.8125   1.000
          *DIAGRAM
          *
          *  REVISED CONTRIBUTING DRAINAGE AREA TO POND NO. 1 FROM 57 AC TO 40 AC AS A
          *   RESULT OF CHANGES MADE IN DESIGN OF BRADLEY FAIR PARKWAY
          *   REVISED POND #2 & #3 STATIC ELEVATION TO CONCUR WITH FUTURE ROAD TO SOUTH
          *   OUTLET FROM POND #1 CHANGED TO 48" RCP AS A RESULT OF REVISED DRAINAGE AREA
          *

 14       KK   UNDEV        UNDEVELOPED CONDITIONS
 15       BA   .0625
 16       PB    7.8
 17       PC    0.08    .09    .10    .11    .12    .133   .147   .163   .181   .204
 18       PC    .235    .283   .663   .735   .772   .799   .820   .835   .850   .865
 19       PC    .880    .890   .900   .910   .916   .925   .934   .943   .952   .958
 20       PC    .964    .970   .976   .982   .988   .994  1.000
 21       LS       0      76      0
 22       UD    0.20
          *
          *

 23       KK  BASIN1        COMMERCIAL DEVELOPED CONDITIONS
 24       BA   .0625
 25       PB    7.8
 26       PC    0.08    .09    .10    .11    .12    .133   .147   .163   .181   .204
 27       PC    .235    .283   .663   .735   .772   .799   .820   .835   .850   .865
 28       PC    .880    .890   .900   .910   .916   .925   .934   .943   .952   .958
 29       PC    .964    .970   .976   .982   .988   .994  1.000
 30       LS       0      92      0
 31       UD    0.15
          *
          *
          * 48" OUTLET PIPE FOR POND #1
          *   REVISED 1/17/97   U/S F/L = 195.0
          *  6' X 4' CONTROL STRUCTURE
          *    WEIR ELEV 200.00  TARGET DWS 100 YR = 202.0

 32       KK   POND1
          * PLAN 3          BIG ISLAND, NO ENCROACMENT ON LOT 3
 33       RS       1    ELEV    200.
 34       SA    4.20    4.67
 35       SE    200.    202.
 36       SQ       0      20      60     110     145     150     155     165     200
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LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
  37      SE     200   200.4   200.8   201.4   201.6   201.8   202.2    203.     206
          *
          *
          *
          *    REVISED -- ADDED BASINS 2A AND 2B TO TOTAL DRAINAGE AREA FOR BASIN 2

  38      KK  BASIN2        COMMERCIAL DEVELOPED CONDITIONS
  39      BA   0.004
  40      PB    7.8
  41      PC   0.08     .09     .10     .11     .12     .133    .147    .163    .181    .204
  42      PC   .235    .283    .663    .735    .772    .799    .820    .835    .850    .865
  43      PC   .880    .890    .900    .910    .916    .925    .934    .943    .952    .958
  44      PC   .964    .970    .976    .982    .988    .994   1.000
  45      LS      0      92       0
  46      UD   0.15
          *

  47      KK     2A        COMMERCIAL DEVELOPED CONDITIONS
  48      BA  .0066
  49      PB    7.8
  50      PC   0.08     .09     .10     .11     .12     .133    .147    .163    .181    .204
  51      PC   .235    .283    .663    .735    .772    .799    .820    .835    .850    .865
  52      PC   .880    .890    .900    .910    .916    .925    .934    .943    .952    .958
  53      PC   .964    .970    .976    .982    .988    .994   1.000
  54      LS      0      96       0
  55      UD   0.15
          *

  56      KK     2B        COMMERCIAL DEVELOPED CONDITIONS
  57      BA   .001
  58      PB    7.8
  59      PC   0.08     .09     .10     .11     .12     .133    .147    .163    .181    .204
  60      PC   .235    .283    .663    .735    .772    .799    .820    .835    .850    .865
  61      PC   .880    .890    .900    .910    .916    .925    .934    .943    .952    .958
  62      PC   .964    .970    .976    .982    .988    .994   1.000
  63      LS      0      98       0
  64      UD    .09
          *
          *

  65      KK   INTO2        COMBINE HYDROGRAPHS FOR BASIN 2, 2A, 2B AND OUT OF POND #1
  66      HC       4
          *
          *
          * 5' RIPRAP CHANNEL SPILLWAY FOR POND #2

  67      KK   POND2
  68      RS       1    ELEV     192
  69      SA     0.5     0.8
  70      SE     192     194
  71      SQ       0      40      60      80      90     100     110     120     130     140
  72      SQ     150     160     170     180     190     200
  73      SE     192  192.95  193.18  193.35  193.42   193.5  193.56  193.61  193.67  193.72
  74      SE  193.78  193.84  193.89  193.93  193.98  194.02
          *
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LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

  75      KK  BASIN3       COMMERCIAL DEVELOPED CONDITIONS
  76      BA  .00456
  77      PB    7.8
  78      PC   0.08    .09    .10    .11    .12    .133   .147   .163   .181   .204
  79      PC   .235   .283   .663   .735   .772   .799   .820   .835   .850   .865
  80      PC   .880   .890   .900   .910   .916   .925   .934   .943   .952   .958
  81      PC   .964   .970   .976   .982   .988   .994  1.000
  82      LS     0     92     0
  83      UD  0.15
          *
          *

  84      KK   INTO3       COMBINE HYDROGRAPHS FOR BASIN 3 AND OUT OF POND #2
  85      HC       2
          *
          *
          * 5' RIPRAP CHANNEL SPILLWAY FOR POND #3

  86      KK   POND3
  87      RS       1    ELEV   184.0
  88      SA     0.5     0.8
  89      SE     184     187
  90      SQ       0      40      60      80      90     100     110     120     130     140
  91      SQ     150     160     170     180     190     200
  92      SE     184  184.95  185.18  185.35  185.42   185.5  185.56  185.61  185.67  185.72
  93      SE  185.78  185.84  185.89  185.93  185.98  186.02
          *
  94      ZZ
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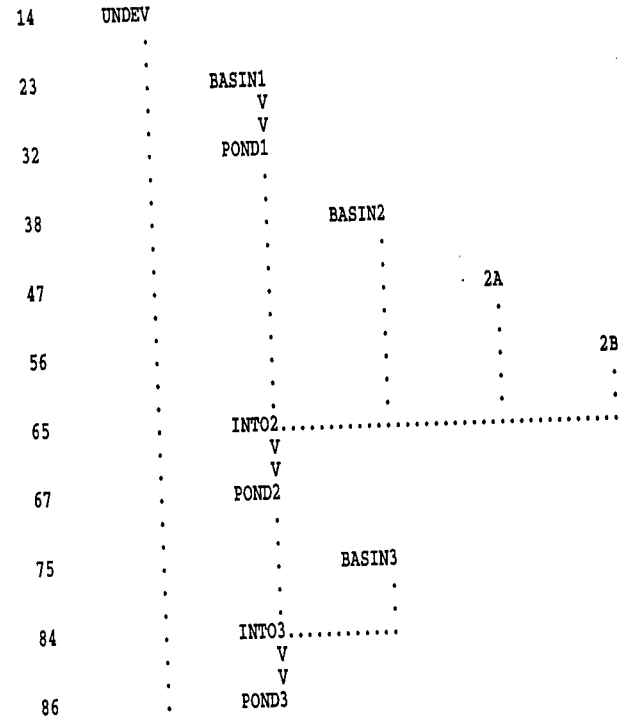
SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT LINE NO.

(V) ROUTING
(.) CONNECTOR
(---->) DIVERSION OR PUMP FLOW
(<----) RETURN OF DIVERTED OR PUMPED FLOW



(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
*****************************************
*                                       *
*  FLOOD HYDROGRAPH PACKAGE  (HEC-1)    *
*            MAY   1991                 *
*          VERSION 4.0.1E               *
*    Lahey F77L-EM/32 version 5.01      *
*       Dodson & Associates, Inc.       *
*  RUN DATE  01/16/97  TIME  12:18:35   *
*****************************************

*****************************************
*                                       *
*   U.S. ARMY CORPS OF ENGINEERS        *
*   HYDROLOGIC ENGINEERING CENTER       *
*        609 SECOND STREET              *
*     DAVIS, CALIFORNIA 95616           *
*         (916) 551-1748                *
*                                       *
*****************************************


                     Bradley Fair Drainage Plan
                     5-, 10-, 25-, & 100-Year Storms
                     Professional Engineering Consultants
                     Wichita, Ks
                     DRC  11/20/95
                      REVISED MWB 12/02/96
                      REVISED PDM 1/17/97
                     File:  T:\DAR\HEC1\BRADLEY8.IH1
                     PEC PROJ NO 32-96109-042

  12 IO         OUTPUT CONTROL VARIABLES
                    IPRNT          3  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE

    IT          HYDROGRAPH TIME DATA
                     NMIN          6  MINUTES IN COMPUTATION INTERVAL
                    IDATE     1FEB95  STARTING DATE
                    ITIME       0600  STARTING TIME
                       NQ        300  NUMBER OF HYDROGRAPH ORDINATES
                   NDDATE     2FEB95  ENDING DATE
                   NDTIME       1154  ENDING TIME
                    ICENT         19  CENTURY MARK

              COMPUTATION INTERVAL   0.10 HOURS
                   TOTAL TIME BASE  29.90 HOURS

         ENGLISH UNITS
              DRAINAGE AREA         SQUARE MILES
              PRECIPITATION DEPTH   INCHES
              LENGTH, ELEVATION     FEET
              FLOW                  CUBIC FEET PER SECOND
              STORAGE VOLUME        ACRE-FEET
              SURFACE AREA          ACRES
              TEMPERATURE           DEGREES FAHRENHEIT

    JP          MULTI-PLAN OPTION
                    NPLAN          1  NUMBER OF PLANS

    JR          MULTI-RATIO OPTION
                  RATIOS OF PRECIPITATION
                 0.59      0.69      0.81      1.00

*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

               **************
               *            *
  14 KK        *   UNDEV    *          UNDEVELOPED CONDITIONS
               *            *
               **************

  11 IN         TIME DATA FOR INPUT TIME SERIES
                   JXMIN          30  TIME INTERVAL IN MINUTES
                  JXDATE      1FEB95  STARTING DATE
                  JXTIME         600  STARTING TIME

              SUBBASIN RUNOFF DATA

  15 BA         SUBBASIN CHARACTERISTICS
                   TAREA        0.06  SUBBASIN AREA

                PRECIPITATION DATA
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```
16 PB          STORM        7.80  BASIN TOTAL PRECIPITATION

17 PI          INCREMENTAL PRECIPITATION PATTERN
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.01    0.01    0.01    0.01    0.01
                 0.01    0.01    0.01    0.01    0.01    0.08    0.08    0.08    0.08    0.08
                 0.01    0.01    0.01    0.01    0.01    0.01    0.01    0.01    0.01    0.01
                 0.01    0.01    0.01    0.01    0.01    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
                 0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

21 LS          SCS LOSS RATE
                 STRTL        0.63  INITIAL ABSTRACTION
                CRVNBR       76.00  CURVE NUMBER
                 RTIMP        0.00  PERCENT IMPERVIOUS AREA

22 UD          SCS DIMENSIONLESS UNITGRAPH
                  TLAG        0.20  LAG

                                              ***

                                         UNIT HYDROGRAPH
                                   12 END-OF-PERIOD ORDINATES
               38.     113.     113.      68.      34.      18.       9.       5.       3.       1.
                1.       0.

     TOTAL RAINFALL =    7.80, TOTAL LOSS =    2.82, TOTAL EXCESS =    4.98

   PEAK FLOW     TIME                           MAXIMUM AVERAGE FLOW
     (CFS)       (HR)                    6-HR       24-HR       72-HR     29.90-HR
      170.       6.10          (CFS)      28.          8.          7.          7.
                             (INCHES)   4.093       4.976       4.976       4.976
                              (AC-FT)     14.         17.         17.         17.

                          CUMULATIVE AREA =    0.06 SQ MI

       ***           ***           ***           ***           ***

                          HYDROGRAPH AT STATION      UNDEV
                            FOR PLAN 1, RATIO = 0.59

     TOTAL RAINFALL =    4.60, TOTAL LOSS =    2.39, TOTAL EXCESS =    2.21

   PEAK FLOW     TIME                           MAXIMUM AVERAGE FLOW
     (CFS)       (HR)                    6-HR       24-HR       72-HR     29.90-HR
       75.       6.10          (CFS)      12.          4.          3.          3.
                             (INCHES)   1.815       2.213       2.213       2.213
                              (AC-FT)      6.          7.          7.          7.

                          CUMULATIVE AREA =    0.06 SQ MI

       ***           ***           ***           ***           ***

                          HYDROGRAPH AT STATION      UNDEV
                            FOR PLAN 1, RATIO = 0.69

     TOTAL RAINFALL =    5.36, TOTAL LOSS =    2.53, TOTAL EXCESS =    2.84

   PEAK FLOW     TIME                           MAXIMUM AVERAGE FLOW
     (CFS)       (HR)                    6-HR       24-HR       72-HR     29.90-HR
       97.       6.10          (CFS)      16.          5.          4.          4.
                             (INCHES)   2.331       2.837       2.837       2.837
                              (AC-FT)      8.          9.          9.          9.

                          CUMULATIVE AREA =    0.06 SQ MI
```

*** *** *** *** ***

HYDROGRAPH AT STATION UNDEV
FOR PLAN 1, RATIO = 0.81

TOTAL RAINFALL = 6.34, TOTAL LOSS = 2.66, TOTAL EXCESS = 3.67

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
125.	6.10	(CFS)	20.	6.	5.	5.
		(INCHES)	3.021	3.673	3.673	3.673
		(AC-FT)	10.	12.	12.	12.

CUMULATIVE AREA = 0.06 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION UNDEV
FOR PLAN 1, RATIO = 1.00

TOTAL RAINFALL = 7.80, TOTAL LOSS = 2.82, TOTAL EXCESS = 4.98

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
170.	6.10	(CFS)	28.	8.	7.	7.
		(INCHES)	4.093	4.976	4.976	4.976
		(AC-FT)	14.	17.	17.	17.

CUMULATIVE AREA = 0.06 SQ MI

*** ***

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          **************
          *            *
 23 KK    *   BASIN1   *         COMMERCIAL DEVELOPED CONDITIONS
          *            *
          **************

 11 IN          TIME DATA FOR INPUT TIME SERIES
                   JXMIN        30  TIME INTERVAL IN MINUTES
                   JXDATE   1FEB95  STARTING DATE
                   JXTIME      600  STARTING TIME

              SUBBASIN RUNOFF DATA

 24 BA          SUBBASIN CHARACTERISTICS
                   TAREA      0.06  SUBBASIN AREA

                PRECIPITATION DATA

 25 PB             STORM      7.80  BASIN TOTAL PRECIPITATION

 26 PI            INCREMENTAL PRECIPITATION PATTERN
```

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.08	0.08	0.08	0.08	0.08
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

30 LS SCS LOSS RATE
STRTL 0.17 INITIAL ABSTRACTION
CRVNBR 92.00 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

31 UD SCS DIMENSIONLESS UNITGRAPH
TLAG 0.15 LAG

***

UNIT HYDROGRAPH
10 END-OF-PERIOD ORDINATES

71. 152. 103. 43. 19. 8. 4. 2. 1. 0.

TOTAL RAINFALL = 7.80, TOTAL LOSS = 0.95, TOTAL EXCESS = 6.85

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
241.	6.00	(CFS)	37.	12.	9.	9.
		(INCHES)	5.534	6.846	6.846	6.846
		(AC-FT)	18.	23.	23.	23.

CUMULATIVE AREA = 0.06 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION BASIN1
FOR PLAN 1, RATIO = 0.59

TOTAL RAINFALL = 4.60, TOTAL LOSS = 0.90, TOTAL EXCESS = 3.70

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
134.	6.00	(CFS)	20.	6.	5.	5.
		(INCHES)	3.026	3.703	3.703	3.703
		(AC-FT)	10.	12.	12.	12.

CUMULATIVE AREA = 0.06 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION BASIN1
FOR PLAN 1, RATIO = 0.69

TOTAL RAINFALL = 5.36, TOTAL LOSS = 0.92, TOTAL EXCESS = 4.44

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
159.	6.00	(CFS)	24.	7.	6.	6.
		(INCHES)	3.622	4.444	4.444	4.444
		(AC-FT)	12.	15.	15.	15.

CUMULATIVE AREA = 0.06 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION BASIN1
FOR PLAN 1, RATIO = 0.81

TOTAL RAINFALL = 6.34, TOTAL LOSS = 0.94, TOTAL EXCESS = 5.40

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
192.	6.00	(CFS)	29.	9.	7.	7.
		(INCHES)	4.388	5.402	5.402	5.402
		(AC-FT)	15.	18.	18.	18.

CUMULATIVE AREA = 0.06 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION BASIN1
FOR PLAN 1, RATIO = 1.00

TOTAL RAINFALL = 7.80, TOTAL LOSS = 0.95, TOTAL EXCESS = 6.85

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
241.	6.00	(CFS)	37.	12.	9.	9.
		(INCHES)	5.534	6.846	6.846	6.846
		(AC-FT)	18.	23.	23.	23.

CUMULATIVE AREA = 0.06 SQ MI

*** ***

32 KK

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* *
* POND1 *
* *
****

HYDROGRAPH ROUTING DATA

33 RS STORAGE ROUTING
NSTPS 1 NUMBER OF SUBREACHES
ITYP ELEV TYPE OF INITIAL CONDITION
RSVRIC 200.00 INITIAL CONDITION
X 0.00 WORKING R AND D COEFFICIENT

34 SA AREA 4.2 4.7

35 SE ELEVATION 200.00 202.00

36 SQ DISCHARGE 0. 20. 60. 110. 145. 150. 155. 165. 200.

37 SE ELEVATION 200.00 200.40 200.80 201.40 201.60 201.80 202.20 203.00 206.00

***

COMPUTED STORAGE-ELEVATION DATA

STORAGE	0.00	8.87
ELEVATION	200.00	202.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	0.00	1.70	3.43	6.11	7.02	7.94	8.87	9.80	13.66	29.54
OUTFLOW	0.00	20.00	60.00	110.00	145.00	150.00	152.50	155.00	165.00	200.00
ELEVATION	200.00	200.40	200.80	201.40	201.60	201.80	202.00	202.20	203.00	206.00

*** *** *** *** ***

HYDROGRAPH AT STATION POND1
FOR PLAN 1, RATIO = 0.59

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
69.	6.20	(CFS)	20.	6.	5.	5.
		(INCHES)	2.964	3.703	3.703	3.703
		(AC-FT)	10.	12.	12.	12.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	29.90-HR
4.	6.20	1.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	29.90-HR
200.91	6.20	200.33	200.11	200.09	200.09

CUMULATIVE AREA = 0.06 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION POND1
FOR PLAN 1, RATIO = 0.69

PEAK FLOW TIME MAXIMUM AVERAGE FLOW

```
 (CFS)       (HR)                  6-HR      24-HR      72-HR     29.90-HR
   83.       6.20        (CFS)      24.        7.         6.          6.
                       (INCHES)    3.550      4.444      4.444       4.444
                        (AC-FT)     12.        15.        15.         15.

PEAK STORAGE  TIME                      MAXIMUM AVERAGE STORAGE
  (AC-FT)     (HR)                 6-HR      24-HR      72-HR     29.90-HR
     5.       6.20                   2.        1.         0.          0.

PEAK STAGE    TIME                       MAXIMUM AVERAGE STAGE
  (FEET)      (HR)                 6-HR      24-HR      72-HR     29.90-HR
  201.07      6.20               200.38     200.12     200.10      200.10

                       CUMULATIVE AREA =    0.06 SQ MI


    ***            ***            ***            ***            ***

                        HYDROGRAPH AT STATION    POND1
                          FOR PLAN 1, RATIO = 0.81

PEAK FLOW     TIME                        MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                 6-HR      24-HR      72-HR     29.90-HR
   101.       6.20       (CFS)      29.        9.         7.          7.
                       (INCHES)    4.305      5.401      5.402       5.402
                        (AC-FT)     14.        18.        18.         18.

PEAK STORAGE  TIME                      MAXIMUM AVERAGE STORAGE
  (AC-FT)     (HR)                 6-HR      24-HR      72-HR     29.90-HR
     6.       6.20                   2.        1.         1.          1.

PEAK STAGE    TIME                       MAXIMUM AVERAGE STAGE
  (FEET)      (HR)                 6-HR      24-HR      72-HR     29.90-HR
  201.29      6.20               200.45     200.15     200.12      200.12

                       CUMULATIVE AREA =    0.06 SQ MI


    ***            ***            ***            ***            ***

                        HYDROGRAPH AT STATION    POND1
                          FOR PLAN 1, RATIO = 1.00

PEAK FLOW     TIME                        MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                 6-HR      24-HR      72-HR     29.90-HR
   140.       6.20       (CFS)      37.        12.        9.          9.
                       (INCHES)    5.438      6.845      6.846       6.846
                        (AC-FT)     18.        23.        23.         23.

PEAK STORAGE  TIME                      MAXIMUM AVERAGE STORAGE
  (AC-FT)     (HR)                 6-HR      24-HR      72-HR     29.90-HR
     7.       6.20                   2.        1.         1.          1.

PEAK STAGE    TIME                       MAXIMUM AVERAGE STAGE
  (FEET)      (HR)                 6-HR      24-HR      72-HR     29.90-HR
  201.57      6.20               200.54     200.18     200.15      200.15

                       CUMULATIVE AREA =    0.06 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


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             *            *
  38 KK      *   BASIN2   *          COMMERCIAL DEVELOPED CONDITIONS
             *            *
             **************

  11 IN          TIME DATA FOR INPUT TIME SERIES
                      JXMIN          30  TIME INTERVAL IN MINUTES
                      JXDATE     1FEB95  STARTING DATE
                      JXTIME        600  STARTING TIME

                 SUBBASIN RUNOFF DATA

  39 BA           SUBBASIN CHARACTERISTICS
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                     TAREA        0.00  SUBBASIN AREA

                 PRECIPITATION DATA

40 PB                STORM        7.80  BASIN TOTAL PRECIPITATION

41 PI              INCREMENTAL PRECIPITATION PATTERN
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.01     0.01     0.01     0.01     0.01
                      0.01     0.01     0.01     0.01     0.01     0.08     0.08     0.08     0.08     0.08
                      0.01     0.01     0.01     0.01     0.01     0.01     0.01     0.01     0.01     0.01
                      0.01     0.01     0.01     0.01     0.01     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00
                      0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00

45 LS            SCS LOSS RATE
                     STRTL        0.17  INITIAL ABSTRACTION
                    CRVNBR       92.00  CURVE NUMBER
                     RTIMP        0.00  PERCENT IMPERVIOUS AREA

46 UD            SCS DIMENSIONLESS UNITGRAPH
                      TLAG        0.15  LAG

                                                          ***

                                                     UNIT HYDROGRAPH
                                                10 END-OF-PERIOD ORDINATES
                  5.       10.        7.        3.        1.        1.        0.        0.        0.        0.

  TOTAL RAINFALL =     7.80, TOTAL LOSS =     0.95, TOTAL EXCESS =     6.85

PEAK FLOW     TIME                              MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                     6-HR        24-HR       72-HR       29.90-HR
     15.      6.00         (CFS)         2.          1.          1.            1.
                          (INCHES)    5.534       6.846       6.846         6.846
                           (AC-FT)       1.          1.          1.            1.

                      CUMULATIVE AREA =     0.00 SQ MI


    ***            ***            ***            ***            ***

                         HYDROGRAPH AT STATION    BASIN2
                           FOR PLAN 1, RATIO = 0.59

  TOTAL RAINFALL =     4.60, TOTAL LOSS =     0.90, TOTAL EXCESS =     3.70

PEAK FLOW     TIME                              MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                     6-HR        24-HR       72-HR       29.90-HR
      9.      6.00         (CFS)         1.          0.          0.            0.
                          (INCHES)    3.026       3.703       3.703         3.703
                           (AC-FT)       1.          1.          1.            1.

                      CUMULATIVE AREA =     0.00 SQ MI


    ***            ***            ***            ***            ***

                         HYDROGRAPH AT STATION    BASIN2
                           FOR PLAN 1, RATIO = 0.69

  TOTAL RAINFALL =     5.36, TOTAL LOSS =     0.92, TOTAL EXCESS =     4.44

PEAK FLOW     TIME                              MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                     6-HR        24-HR       72-HR       29.90-HR
     10.      6.00         (CFS)         2.          0.          0.            0.
                          (INCHES)    3.622       4.444       4.444         4.444
                           (AC-FT)       1.          1.          1.            1.
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                    CUMULATIVE AREA =    0.00 SQ MI

     ***            ***            ***            ***            ***

                     HYDROGRAPH AT STATION   BASIN2
                       FOR PLAN 1, RATIO = 0.81

   TOTAL RAINFALL =    6.34, TOTAL LOSS =    0.94, TOTAL EXCESS =    5.40

 PEAK FLOW    TIME                      MAXIMUM AVERAGE FLOW
   (CFS)      (HR)               6-HR       24-HR       72-HR     29.90-HR
     12.      6.00      (CFS)       2.          1.          0.           0.
                     (INCHES)    4.388       5.402       5.402        5.402
                      (AC-FT)       1.          1.          1.           1.

                    CUMULATIVE AREA =    0.00 SQ MI

     ***            ***            ***            ***            ***

                     HYDROGRAPH AT STATION   BASIN2
                       FOR PLAN 1, RATIO = 1.00

   TOTAL RAINFALL =    7.80, TOTAL LOSS =    0.95, TOTAL EXCESS =    6.85

 PEAK FLOW    TIME                      MAXIMUM AVERAGE FLOW
   (CFS)      (HR)               6-HR       24-HR       72-HR     29.90-HR
     15.      6.00      (CFS)       2.          1.          1.           1.
                     (INCHES)    5.534       6.846       6.846        6.846
                      (AC-FT)       1.          1.          1.           1.

                    CUMULATIVE AREA =    0.00 SQ MI


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** 

              **************
              *            *
  47 KK       *      2A    *           COMMERCIAL DEVELOPED CONDITIONS
              *            *
              **************

  11 IN            TIME DATA FOR INPUT TIME SERIES
                         JXMIN          30  TIME INTERVAL IN MINUTES
                        JXDATE       1FEB95  STARTING DATE
                        JXTIME         600  STARTING TIME

                 SUBBASIN RUNOFF DATA

  48 BA            SUBBASIN CHARACTERISTICS
                         TAREA        0.01  SUBBASIN AREA

                   PRECIPITATION DATA

  49 PB                  STORM        7.80  BASIN TOTAL PRECIPITATION

  50 PI              INCREMENTAL PRECIPITATION PATTERN
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.01      0.01      0.01      0.01      0.01
                      0.01      0.01      0.01      0.01      0.01      0.08      0.08      0.08      0.08      0.08
                      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01      0.01
                      0.01      0.01      0.01      0.01      0.01      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
                      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00
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                0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00      0.00

54 LS         SCS LOSS RATE
                   STRTL       0.08  INITIAL ABSTRACTION
                  CRVNBR      96.00  CURVE NUMBER
                   RTIMP       0.00  PERCENT IMPERVIOUS AREA

55 UD         SCS DIMENSIONLESS UNITGRAPH
                   TLAG       0.15  LAG

                                                  ***

                                                  UNIT HYDROGRAPH
                                                10 END-OF-PERIOD ORDINATES
              8.       16.       11.        4.        2.        1.        0.        0.        0.        0.

  TOTAL RAINFALL =   7.80, TOTAL LOSS =   0.48, TOTAL EXCESS =   7.32

PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                 6-HR       24-HR       72-HR     29.90-HR
    26.       6.00       (CFS)       4.          1.          1.          1.
                        (INCHES)    5.808       7.321       7.321       7.321
                         (AC-FT)      2.          3.          3.          3.

                       CUMULATIVE AREA =   0.01 SQ MI


    ***            ***            ***            ***            ***

                     HYDROGRAPH AT STATION       2A
                       FOR PLAN 1, RATIO = 0.59

  TOTAL RAINFALL =   4.60, TOTAL LOSS =   0.46, TOTAL EXCESS =   4.14

PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                 6-HR       24-HR       72-HR     29.90-HR
    15.       6.00       (CFS)       2.          1.          1.          1.
                        (INCHES)    3.328       4.139       4.139       4.139
                         (AC-FT)      1.          1.          1.          1.

                       CUMULATIVE AREA =   0.01 SQ MI


    ***            ***            ***            ***            ***

                     HYDROGRAPH AT STATION       2A
                       FOR PLAN 1, RATIO = 0.69

  TOTAL RAINFALL =   5.36, TOTAL LOSS =   0.47, TOTAL EXCESS =   4.89

PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                 6-HR       24-HR       72-HR     29.90-HR
    18.       6.00       (CFS)       3.          1.          1.          1.
                        (INCHES)    3.919       4.893       4.893       4.893
                         (AC-FT)      1.          2.          2.          2.

                       CUMULATIVE AREA =   0.01 SQ MI


    ***            ***            ***            ***            ***

                     HYDROGRAPH AT STATION       2A
                       FOR PLAN 1, RATIO = 0.81

  TOTAL RAINFALL =   6.34, TOTAL LOSS =   0.47, TOTAL EXCESS =   5.86

PEAK FLOW     TIME                          MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                 6-HR       24-HR       72-HR     29.90-HR
    21.       6.00       (CFS)       3.          1.          1.          1.
                        (INCHES)    4.676       5.864       5.864       5.864
                         (AC-FT)      2.          2.          2.          2.

                       CUMULATIVE AREA =   0.01 SQ MI


    ***            ***            ***            ***            ***

                     HYDROGRAPH AT STATION       2A
                       FOR PLAN 1, RATIO = 1.00
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TOTAL RAINFALL = 7.80, TOTAL LOSS = 0.48, TOTAL EXCESS = 7.32

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
26.	6.00	(CFS)	4.	1.	1.	1.
		(INCHES)	5.808	7.321	7.321	7.321
		(AC-FT)	2.	3.	3.	3.

CUMULATIVE AREA = 0.01 SQ MI

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          **************
          *            *
56 KK     *      2B    *          COMMERCIAL DEVELOPED CONDITIONS
          *            *
          **************
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11 IN — TIME DATA FOR INPUT TIME SERIES

JXMIN	30	TIME INTERVAL IN MINUTES
JXDATE	1FEB95	STARTING DATE
JXTIME	600	STARTING TIME

SUBBASIN RUNOFF DATA

57 BA — SUBBASIN CHARACTERISTICS

TAREA	0.00	SUBBASIN AREA

PRECIPITATION DATA

58 PB — STORM 7.80 BASIN TOTAL PRECIPITATION

59 PI — INCREMENTAL PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.08	0.08	0.08	0.08	0.08
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

63 LS — SCS LOSS RATE

STRTL	0.04	INITIAL ABSTRACTION
CRVNBR	98.00	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

64 UD — SCS DIMENSIONLESS UNITGRAPH

TLAG	0.09	LAG

***

UNIT HYDROGRAPH
7 END-OF-PERIOD ORDINATES

3. 3. 1. 0. 0. 0. 0.

TOTAL RAINFALL = 7.80, TOTAL LOSS = 0.24, TOTAL EXCESS = 7.56

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
4.	6.00	(CFS)	1.	0.	0.	0.
		(INCHES)	5.910	7.560	7.560	7.560
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION 2B
FOR PLAN 1, RATIO = 0.59

TOTAL RAINFALL = 4.60, TOTAL LOSS = 0.24, TOTAL EXCESS = 4.37

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	29.90-HR
2.	6.00	(CFS)	0.	0.	0.	0.
		(INCHES)	3.450	4.367	4.367	4.367
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION 2B
FOR PLAN 1, RATIO = 0.69

TOTAL RAINFALL = 5.36, TOTAL LOSS = 0.24, TOTAL EXCESS = 5.13

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	29.90-HR
3.	6.00	(CFS)	0.	0.	0.	0.
		(INCHES)	4.036	5.125	5.125	5.125
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION 2B
FOR PLAN 1, RATIO = 0.81

TOTAL RAINFALL = 6.34, TOTAL LOSS = 0.24, TOTAL EXCESS = 6.10

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	29.90-HR
3.	6.00	(CFS)	1.	0.	0.	0.
		(INCHES)	4.786	6.099	6.099	6.099
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION 2B
FOR PLAN 1, RATIO = 1.00

TOTAL RAINFALL = 7.80, TOTAL LOSS = 0.24, TOTAL EXCESS = 7.56

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	29.90-HR
4.	6.00	(CFS)	1.	0.	0.	0.
		(INCHES)	5.910	7.560	7.560	7.560
		(AC-FT)	0.	0.	0.	0.

CUMULATIVE AREA = 0.00 SQ MI

*** ***

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          **************
          *            *
65 KK     *   INTO2    *        COMBINE HYDROGRAPHS FOR BASIN 2, 2A, 2B AND OUT OF POND #1
          *            *
          **************

66 HC          HYDROGRAPH COMBINATION
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ICOMP 4 NUMBER OF HYDROGRAPHS TO COMBINE

***

*** *** *** *** ***

HYDROGRAPH AT STATION INTO2
FOR PLAN 1, RATIO = 0.59

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	29.90-HR
87.	6.10	(CFS)	24.	7.	6.	6.
		(INCHES)	2.992	3.750	3.751	3.751
		(AC-FT)	12.	15.	15.	15.

CUMULATIVE AREA = 0.07 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION INTO2
FOR PLAN 1, RATIO = 0.69

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	29.90-HR
104.	6.10	(CFS)	29.	9.	7.	7.
		(INCHES)	3.578	4.493	4.493	4.493
		(AC-FT)	14.	18.	18.	18.

CUMULATIVE AREA = 0.07 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION INTO2
FOR PLAN 1, RATIO = 0.81

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	29.90-HR
126.	6.10	(CFS)	35.	11.	9.	9.
		(INCHES)	4.332	5.452	5.452	5.452
		(AC-FT)	17.	22.	22.	22.

CUMULATIVE AREA = 0.07 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION INTO2
FOR PLAN 1, RATIO = 1.00

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	29.90-HR
167.	6.10	(CFS)	44.	14.	11.	11.
		(INCHES)	5.465	6.897	6.898	6.898
		(AC-FT)	22.	27.	27.	27.

CUMULATIVE AREA = 0.07 SQ MI

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              **************
              *            *
67 KK         *    POND2   *
              *            *
              **************

               HYDROGRAPH ROUTING DATA

68 RS              STORAGE ROUTING
                     NSTPS          1  NUMBER OF SUBREACHES
                      ITYP       ELEV  TYPE OF INITIAL CONDITION
                    RSVRIC     192.00  INITIAL CONDITION
                         X       0.00 WORKING R AND D COEFFICIENT
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69 SA	AREA	0.5	0.8								
70 SE	ELEVATION	192.00	194.00								
71 SQ	DISCHARGE	0.	40.	60.	80.	90.	100.	110.	120.	130.	140.
		150.	160.	170.	180.	190.	200.				
73 SE	ELEVATION	192.00	192.95	193.18	193.35	193.42	193.50	193.56	193.61	193.67	193.72
		193.78	193.84	193.89	193.93	193.98	194.02				

***

COMPUTED STORAGE-ELEVATION DATA

STORAGE	0.00	1.29
ELEVATION	192.00	194.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	0.00	0.54	0.69	0.80	0.85	0.91	0.95	0.99	1.03	1.07
OUTFLOW	0.00	40.00	60.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00
ELEVATION	192.00	192.95	193.18	193.35	193.42	193.50	193.56	193.61	193.67	193.72
STORAGE	1.12	1.16	1.20	1.23	1.27	1.29	1.30			
OUTFLOW	150.00	160.00	170.00	180.00	190.00	195.00	200.00			
ELEVATION	193.78	193.84	193.89	193.93	193.98	194.00	194.02			

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 110. TO 200.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

*** *** *** *** ***

HYDROGRAPH AT STATION POND2
FOR PLAN 1, RATIO = 0.59

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
85.	6.20	(CFS)	24.	7.	6.	6.
		(INCHES)	2.990	3.750	3.751	3.751
		(AC-FT)	12.	15.	15.	15.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	29.90-HR
1.	6.20	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	29.90-HR
193.38	6.20	192.51	192.16	192.13	192.13

CUMULATIVE AREA = 0.07 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION POND2
FOR PLAN 1, RATIO = 0.69

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
101.	6.20	(CFS)	29.	9.	7.	7.
		(INCHES)	3.576	4.493	4.493	4.493
		(AC-FT)	14.	18.	18.	18.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	29.90-HR
1.	6.20	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	29.90-HR
193.51	6.20	192.57	192.19	192.15	192.15

CUMULATIVE AREA = 0.07 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION POND2
FOR PLAN 1, RATIO = 0.81

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
123.	6.20	(CFS)	35.	11.	9.	9.
		(INCHES)	4.330	5.452	5.452	5.452
		(AC-FT)	17.	22.	22.	22.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	29.90-HR
1.	6.20	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	29.90-HR
193.63	6.20	192.65	192.22	192.17	192.17

CUMULATIVE AREA = 0.07 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION POND2
FOR PLAN 1, RATIO = 1.00

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
166.	6.20	(CFS)	44.	14.	11.	11.
		(INCHES)	5.462	6.897	6.898	6.898
		(AC-FT)	22.	27.	27.	27.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	29.90-HR
1.	6.20	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	29.90-HR
193.87	6.20	192.76	192.26	192.21	192.21

CUMULATIVE AREA = 0.07 SQ MI

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              **************
              *            *
75 KK         *   BASIN3   *          COMMERCIAL DEVELOPED CONDITIONS
              *            *
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11 IN TIME DATA FOR INPUT TIME SERIES

JXMIN	30	TIME INTERVAL IN MINUTES
JXDATE	1FEB95	STARTING DATE
JXTIME	600	STARTING TIME

SUBBASIN RUNOFF DATA

76 BA SUBBASIN CHARACTERISTICS

TAREA 0.00 SUBBASIN AREA

PRECIPITATION DATA

77 PB STORM 7.80 BASIN TOTAL PRECIPITATION

78 PI INCREMENTAL PRECIPITATION PATTERN

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.08	0.08	0.08	0.08	0.08
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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82 LS          SCS LOSS RATE
                  STRTL        0.17  INITIAL ABSTRACTION
                  CRVNBR      92.00  CURVE NUMBER
                  RTIMP        0.00  PERCENT IMPERVIOUS AREA

83 UD          SCS DIMENSIONLESS UNITGRAPH
                  TLAG         0.15  LAG

                                   ***

                              UNIT HYDROGRAPH
                         10 END-OF-PERIOD ORDINATES
        5.     11.     8.     3.     1.     1.     0.     0.     0.     0.

  TOTAL RAINFALL =    7.80, TOTAL LOSS =    0.95, TOTAL EXCESS =    6.85

PEAK FLOW    TIME                    MAXIMUM AVERAGE FLOW
  (CFS)      (HR)              6-HR      24-HR      72-HR    29.90-HR
   18.       6.00     (CFS)      3.         1.         1.         1.
                   (INCHES)  5.534      6.846      6.846      6.846
                    (AC-FT)     1.         2.         2.         2.

                 CUMULATIVE AREA =    0.00 SQ MI

    ***        ***        ***        ***        ***

                 HYDROGRAPH AT STATION    BASIN3
                   FOR PLAN 1, RATIO = 0.59

  TOTAL RAINFALL =    4.60, TOTAL LOSS =    0.90, TOTAL EXCESS =    3.70

PEAK FLOW    TIME                    MAXIMUM AVERAGE FLOW
  (CFS)      (HR)              6-HR      24-HR      72-HR    29.90-HR
   10.       6.00     (CFS)      1.         0.         0.         0.
                   (INCHES)  3.026      3.703      3.703      3.703
                    (AC-FT)     1.         1.         1.         1.

                 CUMULATIVE AREA =    0.00 SQ MI

    ***        ***        ***        ***        ***

                 HYDROGRAPH AT STATION    BASIN3
                   FOR PLAN 1, RATIO = 0.69

  TOTAL RAINFALL =    5.36, TOTAL LOSS =    0.92, TOTAL EXCESS =    4.44

PEAK FLOW    TIME                    MAXIMUM AVERAGE FLOW
  (CFS)      (HR)              6-HR      24-HR      72-HR    29.90-HR
   12.       6.00     (CFS)      2.         1.         0.         0.
                   (INCHES)  3.622      4.444      4.444      4.444
                    (AC-FT)     1.         1.         1.         1.

                 CUMULATIVE AREA =    0.00 SQ MI

    ***        ***        ***        ***        ***

                 HYDROGRAPH AT STATION    BASIN3
                   FOR PLAN 1, RATIO = 0.81

  TOTAL RAINFALL =    6.34, TOTAL LOSS =    0.94, TOTAL EXCESS =    5.40

PEAK FLOW    TIME                    MAXIMUM AVERAGE FLOW
  (CFS)      (HR)              6-HR      24-HR      72-HR    29.90-HR
   14.       6.00     (CFS)      2.         1.         1.         1.
                   (INCHES)  4.388      5.402      5.402      5.402
                    (AC-FT)     1.         1.         1.         1.

                 CUMULATIVE AREA =    0.00 SQ MI
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*** *** *** *** ***

HYDROGRAPH AT STATION BASIN3
FOR PLAN 1, RATIO = 1.00

TOTAL RAINFALL = 7.80, TOTAL LOSS = 0.95, TOTAL EXCESS = 6.85

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
18.	6.00	(CFS)	3.	1.	1.	1.
		(INCHES)	5.534	6.846	6.846	6.846
		(AC-FT)	1.	2.	2.	2.

CUMULATIVE AREA = 0.00 SQ MI

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              **************
              *            *
84 KK         *    INTO3   *        COMBINE HYDROGRAPHS FOR BASIN 3 AND OUT OF POND #2
              *            *
              **************

85 HC          HYDROGRAPH COMBINATION
                    ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE
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*** *** *** *** ***

HYDROGRAPH AT STATION INTO3
FOR PLAN 1, RATIO = 0.59

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
90.	6.20	(CFS)	25.	8.	6.	6.
		(INCHES)	2.990	3.748	3.748	3.748
		(AC-FT)	13.	16.	16.	16.

CUMULATIVE AREA = 0.08 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION INTO3
FOR PLAN 1, RATIO = 0.69

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
108.	6.20	(CFS)	30.	9.	8.	8.
		(INCHES)	3.575	4.490	4.490	4.490
		(AC-FT)	15.	19.	19.	19.

CUMULATIVE AREA = 0.08 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION INTO3
FOR PLAN 1, RATIO = 0.81

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
134.	6.10	(CFS)	37.	12.	9.	9.
		(INCHES)	4.329	5.449	5.449	5.449
		(AC-FT)	18.	23.	23.	23.

CUMULATIVE AREA = 0.08 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION INTO3
FOR PLAN 1, RATIO = 1.00

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
176.	6.20	(CFS)	46.	15.	12.	12.
		(INCHES)	5.461	6.894	6.895	6.895
		(AC-FT)	23.	29.	29.	29.

CUMULATIVE AREA = 0.08 SQ MI

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              **************
              *            *
 86 KK        *   POND3    *
              *            *
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HYDROGRAPH ROUTING DATA

87 RS STORAGE ROUTING

NSTPS	1	NUMBER OF SUBREACHES
ITYP	ELEV	TYPE OF INITIAL CONDITION
RSVRIC	184.00	INITIAL CONDITION
X	0.00	WORKING R AND D COEFFICIENT

88 SA	AREA	0.5	0.8								
89 SE	ELEVATION	184.00	187.00								
90 SQ	DISCHARGE	0.	40.	60.	80.	90.	100.	110.	120.	130.	140.
		150.	160.	170.	180.	190.	200.				
92 SE	ELEVATION	184.00	184.95	185.18	185.35	185.42	185.50	185.56	185.61	185.67	185.72
		185.78	185.84	185.89	185.93	185.98	186.02				

***

COMPUTED STORAGE-ELEVATION DATA

STORAGE	0.00	1.93
ELEVATION	184.00	187.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	0.00	0.52	0.65	0.76	0.80	0.85	0.89	0.92	0.96	1.00
OUTFLOW	0.00	40.00	60.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00
ELEVATION	184.00	184.95	185.18	185.35	185.42	185.50	185.56	185.61	185.67	185.72
STORAGE	1.04	1.08	1.11	1.14	1.17	1.20	1.93			
OUTFLOW	150.00	160.00	170.00	180.00	190.00	200.00	444.95			
ELEVATION	185.78	185.84	185.89	185.93	185.98	186.02	187.00			

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 100. TO 445.
THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

*** *** *** *** ***

HYDROGRAPH AT STATION POND3
FOR PLAN 1, RATIO = 0.59

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
87.	6.20	(CFS)	25.	8.	6.	6.
		(INCHES)	2.988	3.748	3.748	3.748
		(AC-FT)	13.	16.	16.	16.

PEAK STORAGE (AC-FT)	TIME (HR)	MAXIMUM AVERAGE STORAGE 6-HR	24-HR	72-HR	29.90-HR
1.	6.20	0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)	MAXIMUM AVERAGE STAGE 6-HR	24-HR	72-HR	29.90-HR
185.40	6.20	184.53	184.17	184.14	184.14

CUMULATIVE AREA = 0.08 SQ MI

*** *** *** *** ***

HYDROGRAPH AT STATION POND3
FOR PLAN 1, RATIO = 0.69

PEAK FLOW (CFS)	TIME (HR)
108.	6.20

MAXIMUM AVERAGE FLOW				
	6-HR	24-HR	72-HR	29.90-HR
(CFS)	30.	9.	8.	8.
(INCHES)	3.573	4.490	4.490	4.490
(AC-FT)	15.	19.	19.	19.

PEAK STORAGE (AC-FT)	TIME (HR)
1.	6.20

MAXIMUM AVERAGE STORAGE			
6-HR	24-HR	72-HR	29.90-HR
0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)
185.55	6.20

MAXIMUM AVERAGE STAGE			
6-HR	24-HR	72-HR	29.90-HR
184.60	184.20	184.16	184.16

CUMULATIVE AREA = 0.08 SQ MI

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HYDROGRAPH AT STATION POND3
FOR PLAN 1, RATIO = 0.81

PEAK FLOW (CFS)	TIME (HR)
133.	6.20

MAXIMUM AVERAGE FLOW				
	6-HR	24-HR	72-HR	29.90-HR
(CFS)	37.	12.	9.	9.
(INCHES)	4.327	5.449	5.449	5.449
(AC-FT)	18.	23.	23.	23.

PEAK STORAGE (AC-FT)	TIME (HR)
1.	6.20

MAXIMUM AVERAGE STORAGE			
6-HR	24-HR	72-HR	29.90-HR
0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)
185.68	6.20

MAXIMUM AVERAGE STAGE			
6-HR	24-HR	72-HR	29.90-HR
184.68	184.23	184.18	184.18

CUMULATIVE AREA = 0.08 SQ MI

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HYDROGRAPH AT STATION POND3
FOR PLAN 1, RATIO = 1.00

PEAK FLOW (CFS)	TIME (HR)
175.	6.20

MAXIMUM AVERAGE FLOW				
	6-HR	24-HR	72-HR	29.90-HR
(CFS)	46.	15.	12.	12.
(INCHES)	5.459	6.894	6.895	6.895
(AC-FT)	23.	29.	29.	29.

PEAK STORAGE (AC-FT)	TIME (HR)
1.	6.20

MAXIMUM AVERAGE STORAGE			
6-HR	24-HR	72-HR	29.90-HR
0.	0.	0.	0.

PEAK STAGE (FEET)	TIME (HR)
185.91	6.20

MAXIMUM AVERAGE STAGE			
6-HR	24-HR	72-HR	29.90-HR
184.79	184.27	184.22	184.22

CUMULATIVE AREA = 0.08 SQ MI

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
TIME TO PEAK IN HOURS

OPERATION	STATION	AREA	PLAN		RATIOS APPLIED TO PRECIPITATION RATIO 1	RATIO 2	RATIO 3	RATIO 4
					0.59	0.69	0.81	1.00
HYDROGRAPH AT	UNDEV	0.06	1	FLOW	75.	97.	125.	170.
				TIME	6.10	6.10	6.10	6.10
HYDROGRAPH AT	BASIN1	0.06	1	FLOW	134.	159.	192.	241.
				TIME	6.00	6.00	6.00	6.00
ROUTED TO	POND1	0.06	1	FLOW	69.	83.	101.	140.
				TIME	6.20	6.20	6.20	6.20
			** PEAK STAGES IN FEET **					
			1	STAGE	200.91	201.07	201.29	201.57
				TIME	6.20	6.20	6.20	6.20
HYDROGRAPH AT	BASIN2	0.00	1	FLOW	9.	10.	12.	15.
				TIME	6.00	6.00	6.00	6.00
HYDROGRAPH AT	2A	0.01	1	FLOW	15.	18.	21.	26.
				TIME	6.00	6.00	6.00	6.00
HYDROGRAPH AT	2B	0.00	1	FLOW	2.	3.	3.	4.
				TIME	6.00	6.00	6.00	6.00
4 COMBINED AT	INTO2	0.07	1	FLOW	87.	104.	126.	167.
				TIME	6.10	6.10	6.10	6.10
ROUTED TO	POND2	0.07	1	FLOW	85.	101.	123.	166.
				TIME	6.20	6.20	6.20	6.20
			** PEAK STAGES IN FEET **					
			1	STAGE	193.38	193.51	193.63	193.87
				TIME	6.20	6.20	6.20	6.20
HYDROGRAPH AT	BASIN3	0.00	1	FLOW	10.	12.	14.	18.
				TIME	6.00	6.00	6.00	6.00
2 COMBINED AT	INTO3	0.08	1	FLOW	90.	108.	134.	176.
				TIME	6.20	6.20	6.10	6.20
ROUTED TO	POND3	0.08	1	FLOW	87.	108.	133.	175.
				TIME	6.20	6.20	6.20	6.20
			** PEAK STAGES IN FEET **					
			1	STAGE	185.40	185.55	185.68	185.91
				TIME	6.20	6.20	6.20	6.20

*** NORMAL END OF HEC-1 ***