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.

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 *
****

*   *
*   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

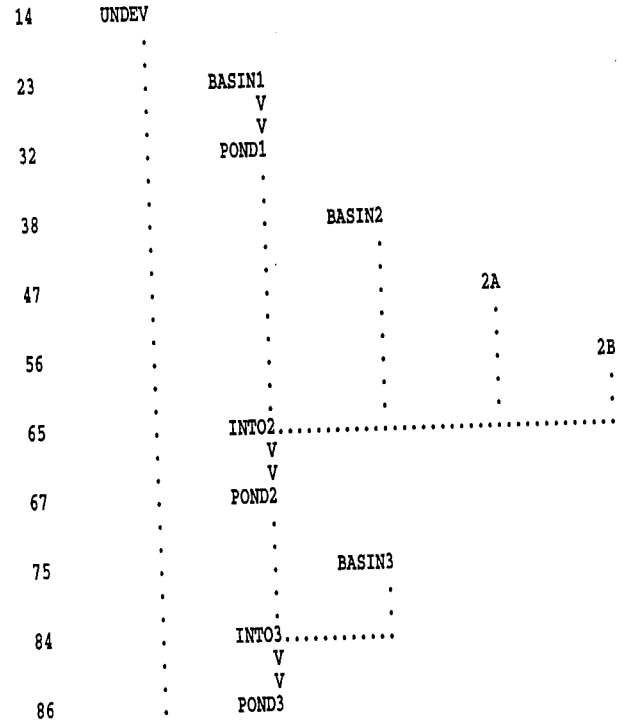
  86      KK   POND3
  87      RS       1    ELEV   184.0
  88      SA     0.5     0.8
  89      SE     184     187
  90      SQ       0      40      60      80      90     100     110     120     130     140
  91      SQ     150     160     170     180     190     200
  92      SE     184  184.95  185.18  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
```

SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT LINE NO.

(V) ROUTING (---->) DIVERSION OR PUMP FLOW

(.) CONNECTOR (<----) 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   *
*****************************************
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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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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
```

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 (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

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

HYDROGRAPH AT STATION UNDEV
FOR PLAN 1, RATIO = 0.59

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

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 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 (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 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
         *            *
         **************
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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

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

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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 (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 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 (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 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 (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 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.

```
                    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


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

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           *            *
  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

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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 (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 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 (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 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 (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 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 (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

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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


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

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

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

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

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

  PEAK STAGE    TIME                              MAXIMUM AVERAGE STAGE
    (FEET)      (HR)                     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


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


             **************
             *            *
   75 KK     *   BASIN3   *          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

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

  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     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


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

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

 85 HC        HYDROGRAPH COMBINATION
                   ICOMP           2  NUMBER OF HYDROGRAPHS TO COMBINE

                                                                ***

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

                       HYDROGRAPH AT STATION    INTO3
                         FOR PLAN 1, RATIO = 0.59

PEAK FLOW     TIME                           MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                  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     TIME                           MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                  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     TIME                           MAXIMUM AVERAGE FLOW
  (CFS)       (HR)                  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
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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

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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
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***

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)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
108.	6.20	(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)	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
185.55	6.20	184.60	184.20	184.16	184.16

CUMULATIVE AREA = 0.08 SQ MI

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

HYDROGRAPH AT STATION POND3
FOR PLAN 1, RATIO = 0.81

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
133.	6.20	(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)	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
185.68	6.20	184.68	184.23	184.18	184.18

CUMULATIVE AREA = 0.08 SQ MI

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

HYDROGRAPH AT STATION POND3
FOR PLAN 1, RATIO = 1.00

PEAK FLOW (CFS)	TIME (HR)		MAXIMUM AVERAGE FLOW 6-HR	24-HR	72-HR	29.90-HR
175.	6.20	(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)	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
185.91	6.20	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

					RATIOS APPLIED TO PRECIPITATION			
OPERATION	STATION	AREA	PLAN		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 ***