CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director

Mayor Timothy M. Keller

April 14, 2023

Ron Hensley, P.E.
THE Group
300 Branding Iron Rd. SE
Rio Rancho, NM 87124

RE: Sage Park Subdivision Grading Plan and Drainage Report
Tract 401, Unit 3, Atrisco Grant
Engineer's Stamp Date: 3/28/2023
Hydrology File: L10D030

Dear Mr. Hensley:

Based upon the information provided in your submittal received 3/31/2023, the revised Drainage Report and the Grading & Drainage Plan is approved for Grading Permit and Preliminary Plat approval.

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

PRIOR TO FINAL PLAT:

On the Final Plat, provide a drainage easement over the pond and annotate using the Plat Drainage Easement Note. This note replaces the need for a separate drainage covenant.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3695 or tchen@cabq.gov.

Sincerely,

Tiequan Chen, P.E.
Principal Engineer, Hydrology
Planning Department, Development Review Services

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: SAGE PARK SUBDIVISION Building Permit #: _____ Hydrology File #: L10D030

DRB#: 2019-003169 EPC#: _____ Work Order#: _____

Legal Description: TRACT 401, UNIT 3, ATRISCO GRANT

City Address: SAGE SW

Applicant: THE Group Contact: Ron Hensley

Address: 300 Branding Iron Rd. SE, Rio Rancho, NM 87124

Phone#: 505-410-1622 Fax#: _____ E-mail: ron@thegroup.cc

Owner: CLEARBROOK LLC Contact: Scott Henry

Address: 8801 Jefferson NE Bldg. A, ALBUQUERQUE, NM 87113

Phone#: 505-858-1800 Fax#: _____ E-mail: scotth@stillbrooke.com

TYPE OF SUBMITTAL: ✓ PLAT (76 # OF LOTS) ____ RESIDENCE ____ DRB SITE ____ ADMIN SITE

IS THIS A RESUBMITTAL?: ✓ Yes _____ No

DEPARTMENT: ____ TRAFFIC/ TRANSPORTATION ✓ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- ____ ENGINEER/ARCHITECT CERTIFICATION
- ____ PAD CERTIFICATION
- ____ CONCEPTUAL G & D PLAN
- ✓ GRADING PLAN
- ____ DRAINAGE MASTER PLAN
- ✓ DRAINAGE REPORT
- ____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- ____ ELEVATION CERTIFICATE
- ____ CLOMR/LOMR
- ____ TRAFFIC CIRCULATION LAYOUT (TCL)
- ____ TRAFFIC IMPACT STUDY (TIS)
- ____ OTHER (SPECIFY) _____
- ____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

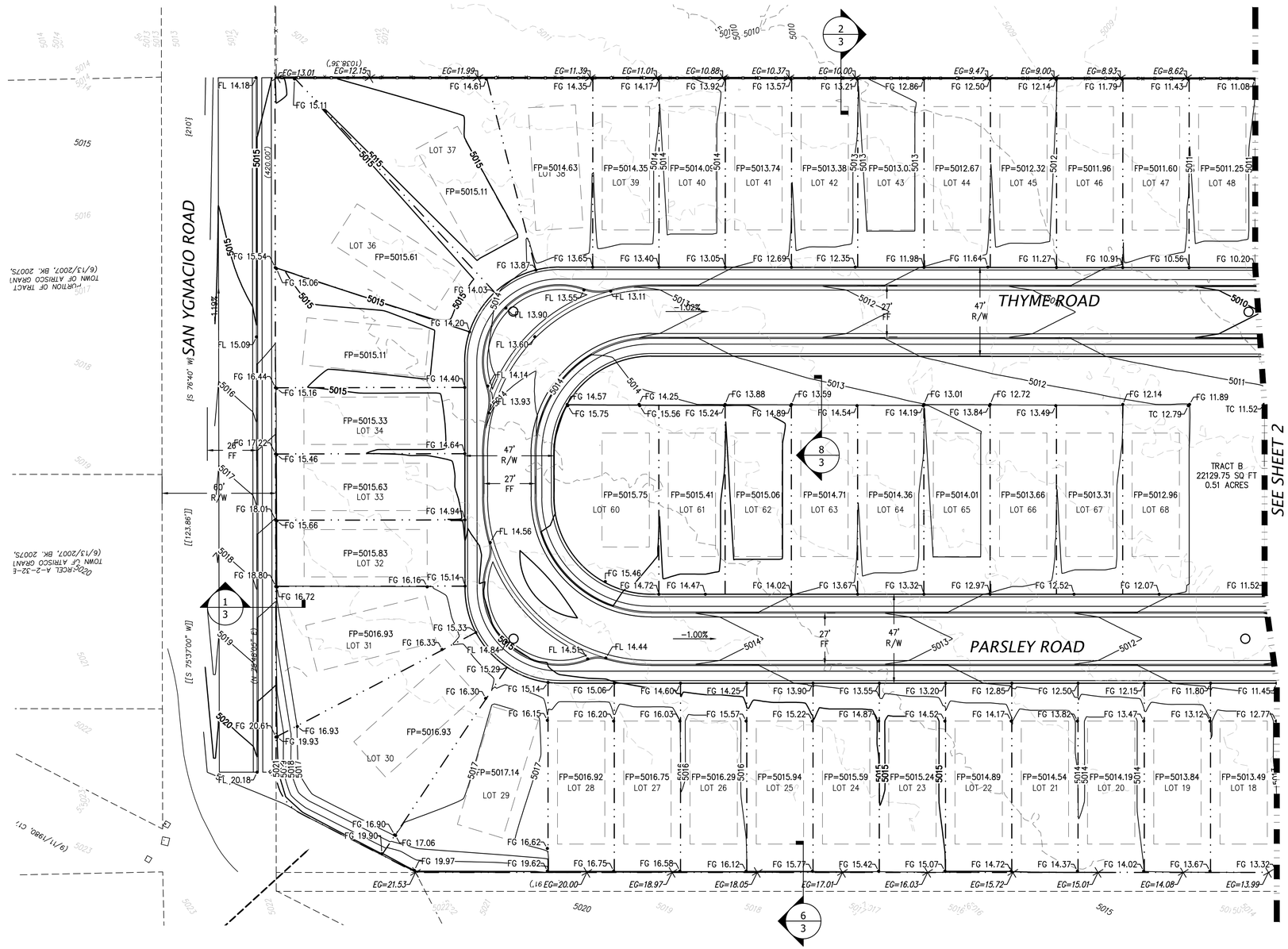
- ____ BUILDING PERMIT APPROVAL
- ____ CERTIFICATE OF OCCUPANCY
- ✓ PRELIMINARY PLAT APPROVAL
- ____ SITE PLAN FOR SUB'D APPROVAL
- ____ SITE PLAN FOR BLDG. PERMIT APPROVAL
- ____ FINAL PLAT APPROVAL
- ____ SIA/ RELEASE OF FINANCIAL GUARANTEE
- ____ FOUNDATION PERMIT APPROVAL
- ✓ GRADING PERMIT APPROVAL
- ____ SO-19 APPROVAL
- ____ PAVING PERMIT APPROVAL
- ____ GRADING/ PAD CERTIFICATION
- ____ WORK ORDER APPROVAL
- ____ CLOMR/LOMR
- ____ FLOODPLAIN DEVELOPMENT PERMIT
- ____ OTHER (SPECIFY) _____

DATE SUBMITTED: 3/31/23 By: THE Group / Ron Hensley

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 4/14/2023
BY: Vicente Archuleta
HydroTrans # L10D030
THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY FROM REQUIRING THE CORRECTION OF ERRORS OR OMISSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION



VICINITY MAP L-10-Z

NOTES

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

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GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO 8.

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5. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.

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LEGEND

- FLOW ARROW
- 4.00% SLOPE ARROW
- EL=11.28 PROPOSED ELEVATION
- 66.33 EXISTING ELEVATION
- GRADE BREAK
- 9999 EXISTING CONTOUR
- 9999 EXISTING CONTOUR
- PROPOSED EASEMENT
- EXISTING WALL
- PROPOSED WALL

THE group
THE HENSLEY ENGINEERING GROUP
300 BRANDING IRON RD. SE
RIO RANCHO, NEW MEXICO 87124
Phone:(505) 410-1622

AS BUILT INFORMATION

CONTRACTOR ____ DATE
WORK STARTED ON ____
ACCEPTANCE BY ____ DATE
VERIFICATION BY ____ DATE
DRAWINGS CORRECTED BY ____ DATE

MICRO-FILM INFORMATION

RECORDED BY ____ DATE
NO. ____

BENCH MARKS

"ACS BM 12-L11" ON COORS BOULEVARD SW, NORTH OF THE APPROXIMATE CENTERLINE OF SAN YGNACIO ROAD.
X=1547745.03
Y=1547745.68 (NAD 83)
ELEV=5010.76 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

RON E. HENSLEY
NEW MEXICO
21850
REGISTERED PROFESSIONAL ENGINEER
MAR. 28, 2023

NO.	REMARKS	DATE	BY
	REVISIONS		
	DESIGN	DATE DEC. 2019	DESIGNED BY REH
		DATE JAN. 2020	DRAWN BY REH
		DATE JAN. 2020	CHECKED BY REH

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SAGE PARK SUBDIVISION
GRADING PLAN
GRADING PLAN 1 OF 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

30' 0 15' 30' 60'
(IN FEET)

DRB No.	CITY PROJECT No.	ZONE MAP NO.	SHEET	OF
2019-003169		L-10-Z	1	3

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 4/14/2023
BY: Hiepan Cho
HydroTrans # L10D030
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REQUIRED WATER QUALITY VOLUME

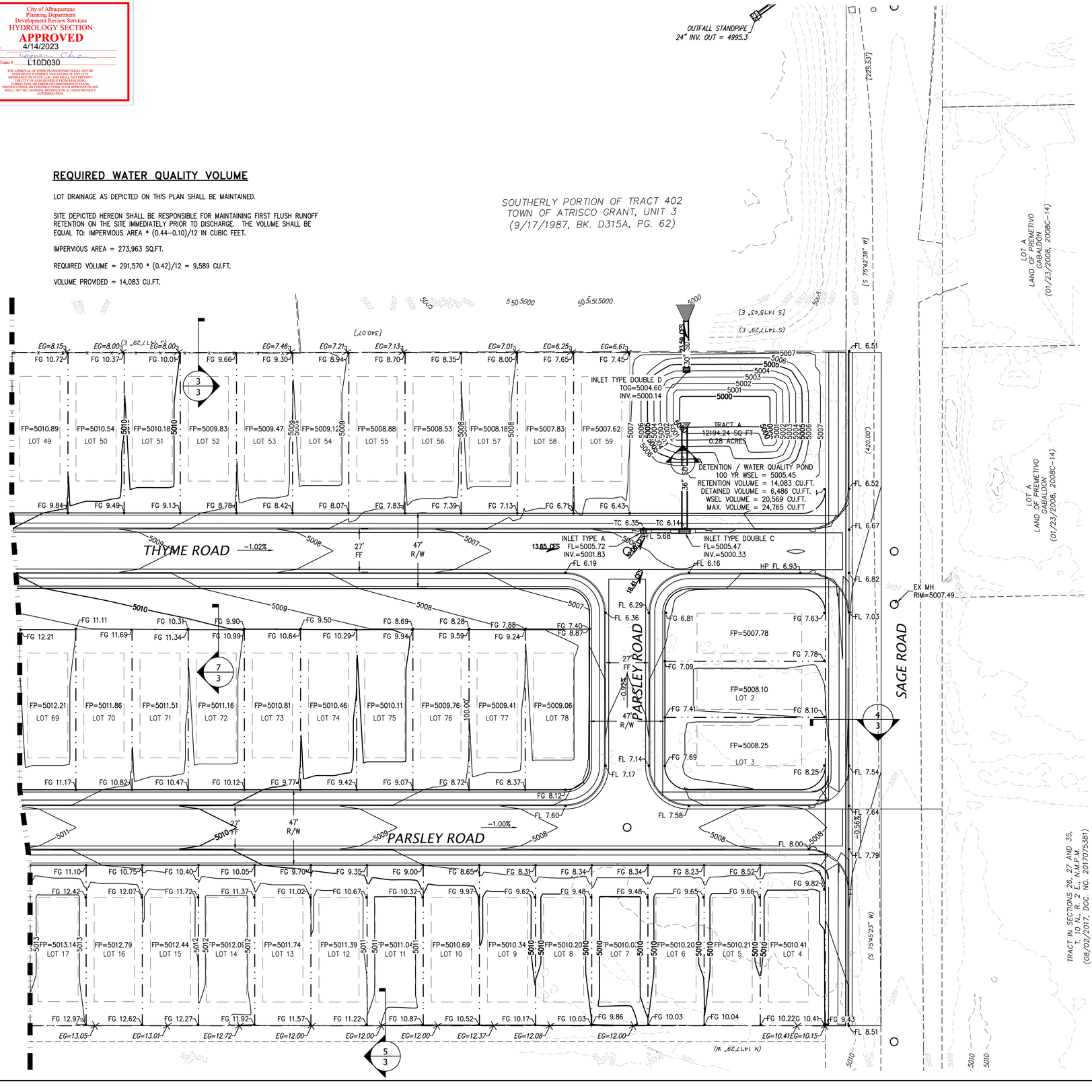
LOT DRAINAGE AS DEPICTED ON THIS PLAN SHALL BE MAINTAINED.

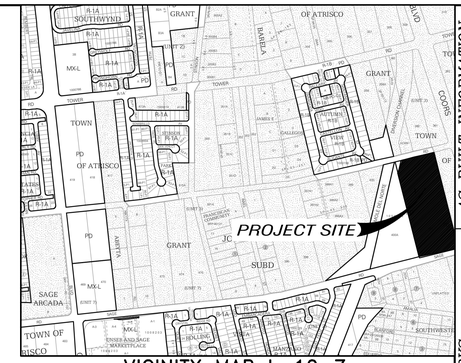
SITE DEPICTED HEREON SHALL BE RESPONSIBLE FOR MAINTAINING FIRST FLUSH RUNOFF RETENTION ON THE SITE IMMEDIATELY PRIOR TO DISCHARGE. THE VOLUME SHALL BE EQUAL TO: IMPERVIOUS AREA * (0.44-0.10)/12 IN CUBIC FEET.

IMPERVIOUS AREA = 273,963 SQ.FT.

REQUIRED VOLUME = 291,570 * (0.42)/12 = 9,589 CU.FT.

VOLUME PROVIDED = 14,083 CU.FT.





VICINITY MAP L-10-Z

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- GRADE BREAK
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- 9999 EXISTING CONTOUR
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- EXISTING WALL
- PROPOSED WALL

THE group
THE HENSLEY ENGINEERING GROUP
300 BRANDING IRON RD. SE
RIO RANCHO, NEW MEXICO 87124
Phone:(505) 410-1622

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STARTED — DATE
WORKS COMPLETED — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
"ACS BM 12-L11" ON COORS BOULEVARD SW, NORTH OF THE
APPROXIMATE CENTERLINE OF SAN YGNACIO ROAD.
X=1547745.03
Y=1547745.68 (NAD 83)
ELEV=5010.76 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
REGISTERED PROFESSIONAL ENGINEER
MAR. 28, 2023

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
	BY	
DESIGNED BY	REH	DATE DEC. 2019
DRAWN BY	REH	DATE JAN. 2020
CHECKED BY	REH	DATE JAN. 2020

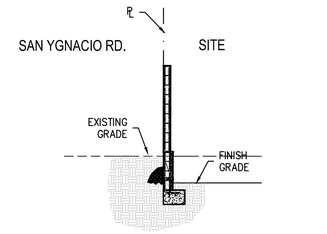
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SAGE PARK SUBDIVISION
GRADING PLAN
GRADING PLAN 2 OF 2

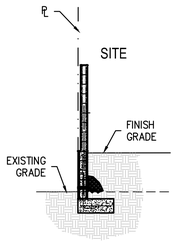
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

30' 0 15' 30' 60'
(IN FEET)

DRB No.	CITY PROJECT No.	ZONE MAP NO.	SHEET	OF
2019-003169		L-10-Z	2	3



1 SECTION AT PROPERTY LINE
Scale: 1"=5'



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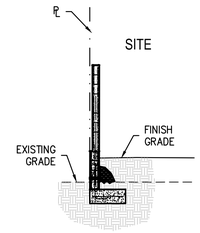
Scale: 1"=5'



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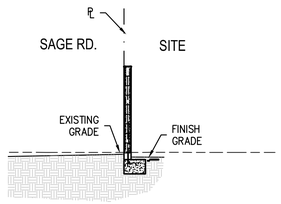
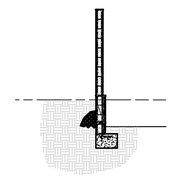
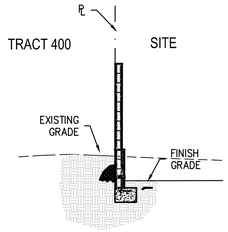
Scale: 1"=5'



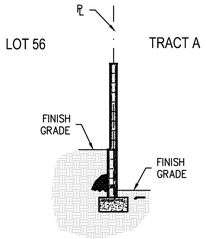
4 SECTION AT PROPERTY LINE
Scale: 1"=5'



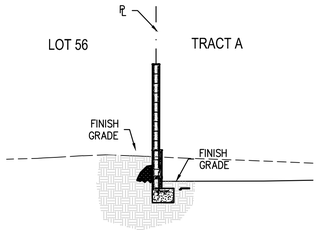
5 SECTION AT PROPERTY LINE
Scale: 1"=5'



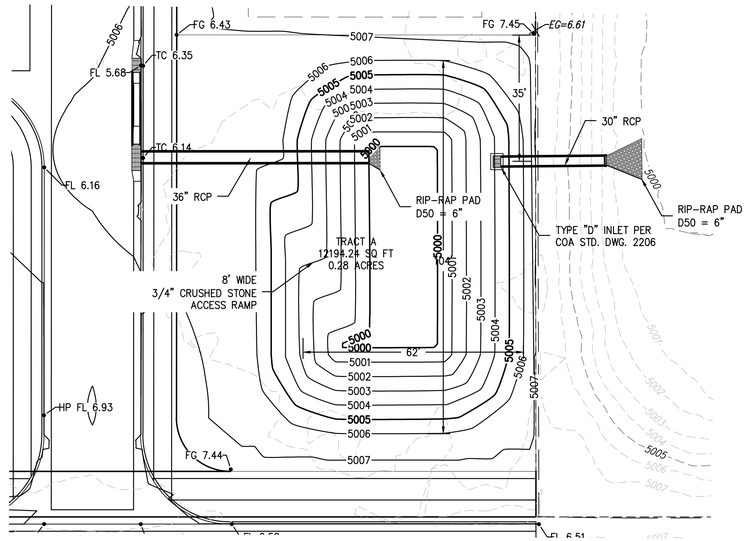
6 SECTION AT PROPERTY LINE
Scale: 1"=5'



7 SECTION AT PROPERTY LINE
Scale: 1"=5'



8 SECTION AT PROPERTY LINE
Scale: 1"=5'



9 POND PLAN
Scale: 1"=20'

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY / DATE
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ACCEPTANCE BY / DATE
FIELD VERIFICATION BY / DATE
DRAWINGS CORRECTED BY / DATE

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FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RON E. HENSLEY NEW MEXICO 21850 REGISTERED PROFESSIONAL ENGINEER
MAR. 25, 2020

NO.	BY	REMARKS	DATE
		REVISIONS	
		DESIGN	DATE DEC. 2019
		DESIGNED BY	REH
		DRAWN BY	REH
		CHECKED BY	REH

DATE JAN. 2020
DATE JAN. 2020

THE group
THE HENSLEY ENGINEERING GROUP
300 BRANDING IRON RD, SE
RIO RANCHO, NEW MEXICO 87124
Phone:(505) 410-1622

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SAGE PARK SUBDIVISION

GRADING PLAN

GRADING SECTIONS AND DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

DRB No. 2019-003169
CITY PROJECT No.
ZONE MAP NO. L-10-Z
SHEET 3 OF 3

L10D030
PDWN 2020-0056
DRAINAGE REPORT
FOR
SAGE PARK SUBDIVISION
ALBUQUERQUE, NM
March 2023

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 4/14/2023
BY:
HydroTrans # L10D030

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RON E. HENSLEY
NEW MEXICO
21850
PROFESSIONAL ENGINEER
3/28/2023

Prepared By

The HENSLEY ENGINEERING GROUP
Ron E. Hensley P.E.
300 Branding Iron Road S.E.
Rio Rancho, NM 87124

Contents

ATTACHMENTS

SAGE PARK GRADING PLAN

SAGE PARK DRAINAGE PLAN

I. PURPOSE

This report is submitted in support for the Grading and Drainage Plan of Sage Park Subdivision. The subdivision consists of 78 residential lots with two park areas on 9.76 acres. The report provides a description and summary of the hydrology and hydraulic conditions of the drainage design of the subdivision improvements

II. INTRODUCTION

The proposed subdivision is in the basin of and adjacent to Sage Pond, shown below, that is located at the intersection of Sage Road and Coors Blvd. The pond was constructed in association with the extension and widening of Coors Blvd. The intent of the pond, as designed and constructed circa 1988 under City project North / South Coors Connection #189389, is to capture all developed flows within the area east of the Amole channel to Coors Blvd encompassing approximately 50 acres from Tower to Sage as enumerated in Tables 1 &2. Runoff from the basin surface flows to the southwest with the area north of San Ygnacio Road combining with Coors runoff to be captured by the storm drain with outflow to Sage Pond. The pond and downstream system are currently maintained by the City.

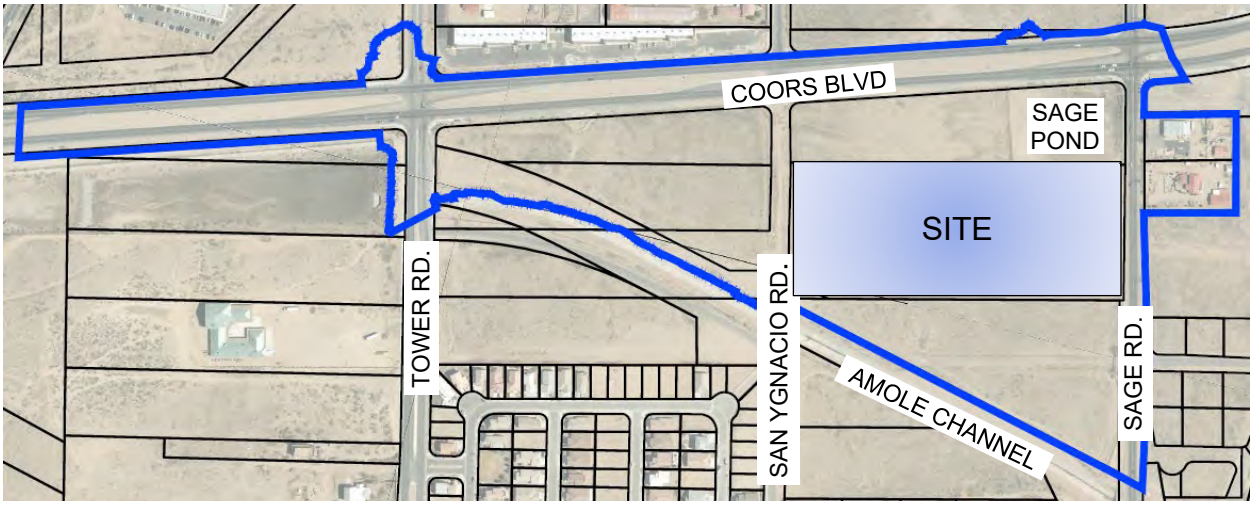


Figure 1 - Sage Pond Basin

An analysis of the drainage conditions of the Sage Pond basin, Drainage Supplement Sage Park Subdivision for SAGE / COORS Pond Capacity & Discharge Analysis, demonstrates the downstream capacity of the City maintained system. The analysis demonstrates that runoff from the fully developed basin can be accommodated by the pond and downstream facilities. The acceptable discharge from the area of the basin is enumerated at rate of 3.74 cfs/ac. In accordance with the analysis, the discharge from the site should not exceed 36.51 cfs and a volume of 1.74 ac.ft. The proposed discharge will be 23.59 cfs and a volume of 0.82 ac.ft

III. HYDROLOGY

This report provides the existing and proposed runoff conditions for the Sage Pond Basin. The table below summarizes the runoff from the existing conditions as depicted on the attached Sage Park Drainage Plan.

BASIN	AREA (ACRES)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (CFS/AC)	Q^{100} (CFS)	$V^{100\text{-}24}$ (AC.FT.)
1	14.88	0	0	10	90	3.82	56.76	2.74
2	2.61	0	0	10	90	3.82	9.97	0.48
3	8.49	0	100	0	0	1.72	14.61	1.52
4	6.36	0	100	0	0	1.72	10.95	1.52
5	9.76	0	100	0	0	1.72	16.79	1.14
6	3.82	0	100	0	0	1.72	6.58	0.36
7	1.99	0	100	0	0	3.75	7.46	2.42
8	1.63	0	0	100	85	1.72	2.02	0.29
TOTAL	49.55					2.53	125.43	5.25

Table 1 - Sage Park / Sage Pond Existing Runoff Summary

The proposed development of the site is 78 residential lots with 2 HOA Tracts. The impervious land use percentage is calculated at approximately 70 percent

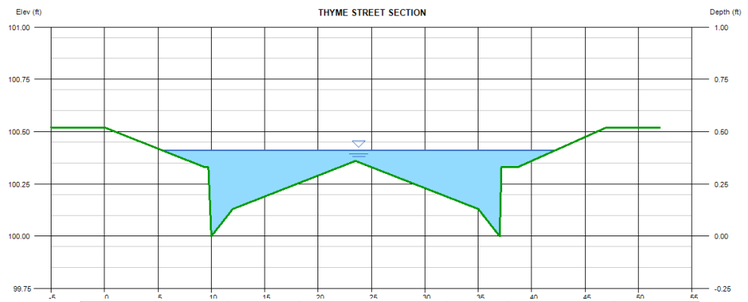
The remainder of the basin is analyzed estimating full development of the remaining tracts with the basin. The table below summarizes the runoff from the proposed conditions as depicted on the attached Sage Park Drainage Plan.

BASIN	AREA (ACRES)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (CFS/AC)	Q^{100} (CFS)	$V^{100\text{-}24}$ (AC.FT.)
1	14.88	0	0	10	90	3.82	56.76	2.74
2	2.61	0	0	10	90	3.82	9.97	0.48
3	8.49	0	0	15	85	3.74	31.78	1.52
4	6.36	0	0	15	85	3.74	23.82	1.52
P1	3.76	0	15	15	70	3.40	12.78	0.61
P2	0.51	0	100	0	0	1.73	0.93	0.03
P3	5.41	0	15	15	70	3.59	18.37	0.88
P4	0.28	0	100	0	0	2.51	0.88	0.02
6	3.82	0	0	15	85	3.74	14.32	0.36
7	1.99	0	0	15	85	3.74	7.46	2.42
8	1.63	0	0	15	85	3.74	6.13	0.29
TOTAL	49.55					2.52	157.61	8.72

Table 2 - Sage Park / Sage Pond Proposed Runoff Summary

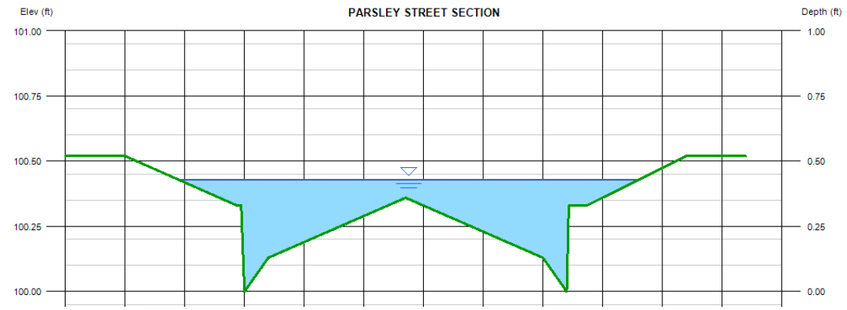
IV. HYDRAULICS

Per the requirements of the DPM, street flows and conjugate depth do not exceed 0.2 feet above curb height and are contained within the street right-of-way. All flows are subcritical and in compliance with this requirement as demonstrated in Figures 2 and 3 on the following page. Figure 4 depicts the flow conditions at the intersections with the adjacent streets to demonstrate water block requirements. The capture of the flow by the inlets and storm drain direct flows to the subdivision pond is demonstrated in the storm drain calculations.



Depth (ft)	Q (cfs)	Area *(sqft)*	Veloc. *(ft/s)*	Wp *(ft)*	Yc *(ft)*	TopWidth *(ft)*	Energy *(ft)*
0.41	13.65	5.732	2.38	37.12	0.42	36.75	0.50

Figure 2 East Street Section at Inlets

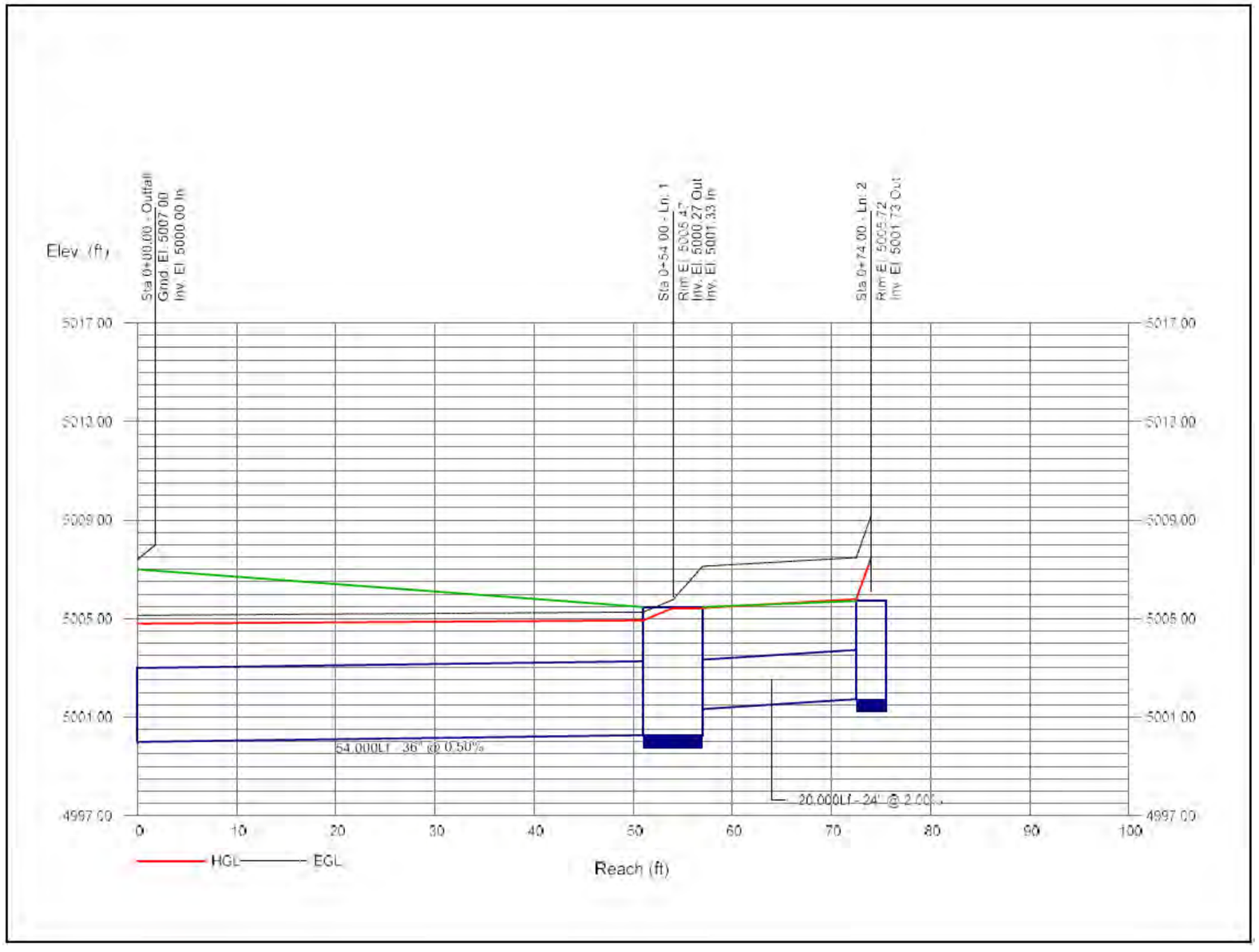


Depth (ft)	Q (cfs)	Area *(sqft)*	Veloc. *(ft/s)*	Wp *(ft)*	Yc *(ft)*	TopWidth *(ft)*	Energy *(ft)*
0.44	18.41	6.876	2.68	39.92	0.46	39.55	0.55

Figure 3 Crossing Street Section

Depth (ft)	Q (cfs)	Area *(sqft)*	Veloc. *(ft/s)*	Wp *(ft)*	Yc *(ft)*	TopWidth *(ft)*	Energy *(ft)*
0.48	27.15	12.11	2.24	66.70	0.47	66.37	0.56

Figure 4 Crossing Sage Street Section



LineNo.	Line ID	FlowRate (cfs)	Line Size(Rise x Span) (in)	LineType	LineLength (ft)	Invert Elev.Down (ft)	Invert Elev.Up (ft)	LineSlope (%)	HGLDown (ft)	HGLUp (ft)	MinorLoss (ft)	HGLJunct (ft)	Dn StrLine No.
1	POND IN	32.76	36	Cir	54	5000	5000.27	0.5	5004.8	5004.93*	0.5	5005.43	Outfall
2	CONNECTOR	32.76	24	Cir	20	5001.33	5001.73	2	5005.43	5005.79*	1.69	5007.48	1

V. SUMMARY AND CONCLUSION

Runoff from the proposed Sage Park Subdivision is contained within the proposed improvements, and adequate downstream capacity of City maintained improvements has been demonstrated.

VI. APPENDIX

Existing Runoff Calculations / AHYMO

```
*  Project SAGE PARK
*  EXISTING CONDITIONS
*  100 YEAR 24 HOUR RAINFALL TABLE
RAINFALL              TYPE=2  RAIN QUARTER=0
                      RAIN ONE=1.87 IN  RAIN SIX=2.20 IN
                      RAIN DAY=2.66 IN  DT=0.03333 HRS
************************************************************

*S  COMPUTE HYD BASIN COORS STORM DRAIN
COMPUTE NM HYD        ID=1  HYDNO=101  AREA=0.023247 SQ MI
                      PER A=0 PER B=0 PER C=10 PER D=90
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=1   CODE=1
*
*S  COMPUTE HYD BASIN SAGE ROAD
COMPUTE NM HYD        ID=2  HYDNO=102  AREA=0.004078 SQ MI
                      PER A=0 PER B=0 PER C=10 PER D=90
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=2   CODE=1
*
*S  COMPUTE HYD BASIN TRACT 359 TO 361
COMPUTE NM HYD        ID=3  HYDNO=103  AREA=0.013268 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=3   CODE=1
*
*S  COMPUTE HYD BASIN TRACT 400A
COMPUTE NM HYD        ID=4  HYDNO=104  AREA=0.009943 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=4   CODE=1
*
*S  COMPUTE HYD BASIN SAGE PARK TRACT 401
COMPUTE NM HYD        ID=5  HYDNO=105  AREA=0.015250 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=5   CODE=1

*S  COMPUTE HYD BASIN TRACT 402A
COMPUTE NM HYD        ID=6  HYDNO=105  AREA=0.005974 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=6   CODE=1
*
*S  COMPUTE HYD BASIN DEVELOPED LOTS
COMPUTE NM HYD        ID=7  HYDNO=107  AREA=0.003108 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=7   CODE=1
*
*S  COMPUTE HYD BASIN POND TRACT 402B
```

```
COMPUTE NM HYD        ID=8  HYDNO=107  AREA=0.002554 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=8   CODE=1
*

ADD HYD               ID=10 HYDNO=201
                      ID=1 ID=2
PRINT HYD             ID=10 CODE=5
*
ADD HYD               ID=11 HYDNO=201
                      ID=10 ID=3
PRINT HYD             ID=11 CODE=5
*
ADD HYD               ID=12 HYDNO=301
                      ID=11 ID=4
PRINT HYD             ID=12 CODE=5
*
ADD HYD               ID=13 HYDNO=301
                      ID=12 ID=5
PRINT HYD             ID=13 CODE=5
*
ADD HYD               ID=14 HYDNO=301
                      ID=13 ID=6
PRINT HYD             ID=14 CODE=5
*
ADD HYD               ID=15 HYDNO=301
                      ID=14 ID=7
PRINT HYD             ID=15 CODE=5
*
ADD HYD               ID=16 HYDNO=301
                      ID=15 ID=8
PRINT HYD             ID=16 CODE=5
*
************************************************************
ROUTE RESERVOIR       ID=20 HYD=301 INFLOW ID=16 CODE=5
                 OUTFLOW      STORAGE        ELEV
                  (CFS)       (AC-FT)        (FT)
                  0.00        0.0000         4998
                  0.85        0.0153         4999
                  1.27        0.1487         5000
                  1.57        0.9548         5001
                  1.81        1.9868         5002
                  2.03        3.1062         5003
                  2.23        4.2974         5004
                  2.41        5.5558         5005
                  2.50        6.2122         5005.5
                  2.66        7.6172         5006.5
                  3.17        7.7668         5006.6
                  8.28        8.3754         5007
                       PRINT HYD             ID=20 CODE=5
************************************************************
*
FINISH
```

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) - - VERSION: 1997.02c RUN DATE (MON/DAY/YR) =03/24/2020
INPUT FILE = C:\DOCUME~1\Ron\Desktop\AHYMOR~1\SAGEPA~1.HMI USER NO.= AHYMO-I-9702c01000Q29-AH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1 NOTATION
RAINFALL TYPE= 2										RAIN24= 2.660
*S COMPUTE HYD BASIN COORS STORM DRAIN										
COMPUTE NM HYD	101.00	-	1	.02325	56.76	2.739	2.20911	1.533	3.815	PER IMP= 90.00
*S COMPUTE HYD BASIN SAGE ROAD										
COMPUTE NM HYD	102.00	-	2	.00408	9.97	.480	2.20913	1.533	3.821	PER IMP= 90.00
*S COMPUTE HYD BASIN TRACT 359 TO 361										
COMPUTE NM HYD	103.00	-	3	.01327	14.61	.472	.66738	1.567	1.720	PER IMP= .00
*S COMPUTE HYD BASIN TRACT 400A										
COMPUTE NM HYD	104.00	-	4	.00994	10.95	.354	.66738	1.567	1.720	PER IMP= .00
*S COMPUTE HYD BASIN SAGE PARK TRACT 401										
COMPUTE NM HYD	105.00	-	5	.01525	16.79	.543	.66738	1.567	1.720	PER IMP= .00
*S COMPUTE HYD BASIN TRACT 402A										
COMPUTE NM HYD	105.00	-	6	.00597	6.58	.213	.66738	1.567	1.721	PER IMP= .00
*S COMPUTE HYD BASIN DEVELOPED LOTS										
COMPUTE NM HYD	107.00	-	7	.00311	7.46	.355	2.14166	1.533	3.749	PER IMP= 85.00
*S COMPUTE HYD BASIN POND TRACT 402B										
COMPUTE NM HYD	107.00	-	8	.00255	2.82	.091	.66738	1.567	1.724	PER IMP= .00
ADD HYD	201.00	1& 2	10	.02733	66.73	3.219	2.20911	1.533	3.816	
ADD HYD	201.00	10& 3	11	.04059	81.20	3.692	1.70518	1.533	3.126	
ADD HYD	301.00	11& 4	12	.05054	92.04	4.046	1.50099	1.533	2.846	
ADD HYD	301.00	12& 5	13	.06579	108.67	4.588	1.30775	1.533	2.581	
ADD HYD	301.00	13& 6	14	.07176	115.18	4.801	1.25444	1.533	2.508	
ADD HYD	301.00	14& 7	15	.07487	122.64	5.156	1.29127	1.533	2.560	
ADD HYD	301.00	15& 8	16	.07742	125.43	5.247	1.27069	1.533	2.531	
ROUTE RESERVOIR	301.00	16	20	.07742	2.22	3.141	.76079	2.933	.045	AC-FT= 4.240
FINISH										

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    AHYMO PROGRAM (AHYMO_97) -                          - Version:  1997.02c
         RUN DATE (MON/DAY/YR) = 03/24/2020
         START TIME (HR:MIN:SEC) = 21:02:39     USER NO.= AHYMO-I-9702c01000Q29-AH
         INPUT FILE = C:\DOCUME~1\Ron\Desktop\AHYMOR~1\SAGEPA~1.HMI

*  Project SAGE PARK
*  EXISTING CONDITIONS
*  100 YEAR 24 HOUR RAINFALL TABLE
RAINFALL             TYPE=2  RAIN QUARTER=0
                     RAIN ONE=1.87 IN  RAIN SIX=2.20 IN
                     RAIN DAY=2.66 IN  DT=0.03333 HRS

               COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
               DT =    .033330 HOURS       END TIME =    19.964670 HOURS
                  .0000   .0016   .0033   .0050   .0067   .0085   .0103
                  .0122   .0141   .0160   .0180   .0201   .0222   .0243
                  .0266   .0289   .0312   .0337   .0362   .0388   .0415
                  .0443   .0472   .0502   .0534   .0567   .0601   .0637
                  .0675   .0715   .0758   .0809   .0865   .0924   .1050
                  .1334   .1771   .2398   .3254   .4379   .5814   .7600
                  .9780  1.1804  1.2649  1.3363  1.3997  1.4575  1.5106
                 1.5600  1.6061  1.6493  1.6900  1.7284  1.7646  1.7989
                 1.8314  1.8623  1.8915  1.9193  1.9456  1.9518  1.9576
                 1.9630  1.9682  1.9732  1.9780  1.9825  1.9869  1.9912
                 1.9953  1.9993  2.0031  2.0068  2.0104  2.0140  2.0174
                 2.0207  2.0240  2.0272  2.0303  2.0333  2.0363  2.0392
                 2.0420  2.0448  2.0475  2.0502  2.0528  2.0554  2.0580
                 2.0605  2.0629  2.0653  2.0677  2.0700  2.0723  2.0746
                 2.0768  2.0790  2.0812  2.0833  2.0855  2.0875  2.0896
                 2.0916  2.0936  2.0956  2.0976  2.0995  2.1014  2.1033
                 2.1051  2.1070  2.1088  2.1106  2.1124  2.1141  2.1159
                 2.1176  2.1193  2.1210  2.1227  2.1244  2.1260  2.1276
                 2.1292  2.1308  2.1324  2.1340  2.1355  2.1371  2.1386
                 2.1401  2.1416  2.1431  2.1446  2.1460  2.1475  2.1489
                 2.1504  2.1518  2.1532  2.1546  2.1560  2.1573  2.1587
                 2.1600  2.1614  2.1627  2.1640  2.1654  2.1667  2.1680
                 2.1692  2.1705  2.1718  2.1731  2.1743  2.1756  2.1768
                 2.1780  2.1792  2.1804  2.1817  2.1829  2.1840  2.1852
                 2.1864  2.1876  2.1887  2.1899  2.1910  2.1922  2.1933
                 2.1944  2.1956  2.1967  2.1978  2.1989  2.2000  2.2013
                 2.2026  2.2039  2.2052  2.2065  2.2078  2.2091  2.2103
                 2.2116  2.2129  2.2142  2.2155  2.2167  2.2180  2.2193
```

2.2205	2.2218	2.2230	2.2243	2.2255	2.2268	2.2280
2.2293	2.2305	2.2318	2.2330	2.2342	2.2354	2.2367
2.2379	2.2391	2.2403	2.2415	2.2428	2.2440	2.2452
2.2464	2.2476	2.2488	2.2500	2.2512	2.2524	2.2536
2.2547	2.2559	2.2571	2.2583	2.2595	2.2606	2.2618
2.2630	2.2641	2.2653	2.2665	2.2676	2.2688	2.2699
2.2711	2.2722	2.2734	2.2745	2.2757	2.2768	2.2779
2.2791	2.2802	2.2813	2.2825	2.2836	2.2847	2.2858
2.2870	2.2881	2.2892	2.2903	2.2914	2.2925	2.2936
2.2947	2.2958	2.2969	2.2980	2.2991	2.3002	2.3013
2.3024	2.3035	2.3046	2.3057	2.3067	2.3078	2.3089
2.3100	2.3110	2.3121	2.3132	2.3142	2.3153	2.3164
2.3174	2.3185	2.3195	2.3206	2.3216	2.3227	2.3237
2.3248	2.3258	2.3269	2.3279	2.3290	2.3300	2.3310
2.3321	2.3331	2.3341	2.3352	2.3362	2.3372	2.3382
2.3392	2.3403	2.3413	2.3423	2.3433	2.3443	2.3453
2.3463	2.3473	2.3483	2.3493	2.3503	2.3513	2.3523
2.3533	2.3543	2.3553	2.3563	2.3573	2.3583	2.3593
2.3603	2.3612	2.3622	2.3632	2.3642	2.3651	2.3661
2.3671	2.3681	2.3690	2.3700	2.3710	2.3719	2.3729
2.3738	2.3748	2.3758	2.3767	2.3777	2.3786	2.3796
2.3805	2.3815	2.3824	2.3834	2.3843	2.3852	2.3862
2.3871	2.3881	2.3890	2.3899	2.3909	2.3918	2.3927
2.3936	2.3946	2.3955	2.3964	2.3973	2.3983	2.3992
2.4001	2.4010	2.4019	2.4028	2.4038	2.4047	2.4056
2.4065	2.4074	2.4083	2.4092	2.4101	2.4110	2.4119
2.4128	2.4137	2.4146	2.4155	2.4164	2.4173	2.4181
2.4190	2.4199	2.4208	2.4217	2.4226	2.4234	2.4243
2.4252	2.4261	2.4270	2.4278	2.4287	2.4296	2.4304
2.4313	2.4322	2.4331	2.4339	2.4348	2.4356	2.4365
2.4374	2.4382	2.4391	2.4399	2.4408	2.4416	2.4425
2.4434	2.4442	2.4450	2.4459	2.4467	2.4476	2.4484
2.4493	2.4501	2.4510	2.4518	2.4526	2.4535	2.4543
2.4551	2.4560	2.4568	2.4576	2.4585	2.4593	2.4601
2.4609	2.4618	2.4626	2.4634	2.4642	2.4651	2.4659
2.4667	2.4675	2.4683	2.4691	2.4700	2.4708	2.4716
2.4724	2.4732	2.4740	2.4748	2.4756	2.4764	2.4772
2.4780	2.4788	2.4796	2.4804	2.4812	2.4820	2.4828
2.4836	2.4844	2.4852	2.4860	2.4868	2.4876	2.4884
2.4892	2.4899	2.4907	2.4915	2.4923	2.4931	2.4939
2.4946	2.4954	2.4962	2.4970	2.4978	2.4985	2.4993
2.5001	2.5008	2.5016	2.5024	2.5032	2.5039	2.5047
2.5055	2.5062	2.5070	2.5078	2.5085	2.5093	2.5100

```
                2.5108  2.5116  2.5123  2.5131  2.5138  2.5146  2.5153
                2.5161  2.5168  2.5176  2.5183  2.5191  2.5198  2.5206
                2.5213  2.5221  2.5228  2.5236  2.5243  2.5250  2.5258
                2.5265  2.5273  2.5280  2.5287  2.5295  2.5302  2.5309
                2.5317  2.5324  2.5331  2.5339  2.5346  2.5353  2.5361
                2.5368  2.5375  2.5382  2.5390  2.5397  2.5404  2.5411
                2.5418  2.5426  2.5433  2.5440  2.5447  2.5454  2.5462
                2.5469  2.5476  2.5483  2.5490  2.5497  2.5504  2.5511
                2.5518  2.5526  2.5533  2.5540  2.5547  2.5554  2.5561
                2.5568  2.5575  2.5582  2.5589  2.5596  2.5603  2.5610
                2.5617  2.5624  2.5631  2.5638  2.5645  2.5652  2.5659
                2.5665  2.5672  2.5679  2.5686  2.5693  2.5700  2.5707
                2.5714  2.5721  2.5727  2.5734  2.5741  2.5748  2.5755
                2.5761  2.5768  2.5775  2.5782  2.5789  2.5795  2.5802
                2.5809  2.5816  2.5822  2.5829  2.5836

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

*S  COMPUTE HYD BASIN COORS STORM DRAIN
COMPUTE NM HYD        ID=1  HYDNO=101  AREA=0.023247 SQ MI
                      PER A=0 PER B=0 PER C=10 PER D=90
                      TP=.1667 HR MASS RAIN=-1

     K =   .090852HR    TP =   .166700HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   66.052    CFS   UNIT VOLUME =    1.000       B =   526.28      P60 = 1.8700
     AREA =      .020922 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


     K =   .132393HR    TP =   .166700HR    K/TP RATIO =   .794199     SHAPE CONSTANT, N =  4.514851
     UNIT PEAK =   5.4128    CFS   UNIT VOLUME =    .9977       B =   388.14      P60 = 1.8700
     AREA =      .002325 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD             ID=1   CODE=1

                                  PARTIAL HYDROGRAPH   101.00


    RUNOFF VOLUME =     2.20911 INCHES     =       2.7389 ACRE-FEET
    PEAK DISCHARGE RATE =      56.76 CFS  AT   1.533 HOURS   BASIN AREA =   .0232 SQ. MI.
```

```
*
*S  COMPUTE HYD BASIN SAGE ROAD
COMPUTE NM HYD        ID=2  HYDNO=102  AREA=0.004078 SQ MI
                      PER A=0 PER B=0 PER C=10 PER D=90
                      TP=.1667 HR MASS RAIN=-1

     K =   .090852HR    TP =   .166700HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   11.587    CFS   UNIT VOLUME =    .9992       B =   526.28      P60 = 1.8700
     AREA =      .003670 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


     K =   .132393HR    TP =   .166700HR    K/TP RATIO =   .794199     SHAPE CONSTANT, N =  4.514851
     UNIT PEAK =   .94952    CFS   UNIT VOLUME =    .9861       B =   388.14      P60 = 1.8700
     AREA =      .000408 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD             ID=2   CODE=1

                                  PARTIAL HYDROGRAPH   102.00


    RUNOFF VOLUME =     2.20913 INCHES     =        .4805 ACRE-FEET
    PEAK DISCHARGE RATE =       9.97 CFS  AT   1.533 HOURS   BASIN AREA =   .0041 SQ. MI.



*
*S  COMPUTE HYD BASIN TRACT 359 TO 361
COMPUTE NM HYD        ID=3  HYDNO=103  AREA=0.013268 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1

     K =   .163814HR    TP =   .166700HR    K/TP RATIO =   .982685     SHAPE CONSTANT, N =  3.593454
     UNIT PEAK =   26.034    CFS   UNIT VOLUME =    .9996       B =   327.09      P60 = 1.8700
     AREA =      .013268 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD             ID=3   CODE=1

                                  PARTIAL HYDROGRAPH   103.00
```

```
    RUNOFF VOLUME =      .66738 INCHES     =        .4723 ACRE-FEET
    PEAK DISCHARGE RATE =      14.61 CFS  AT   1.567 HOURS   BASIN AREA =   .0133 SQ. MI.



*
*S  COMPUTE HYD BASIN TRACT 400A
COMPUTE NM HYD        ID=4  HYDNO=104  AREA=0.009943 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1

     K =   .163814HR    TP =   .166700HR    K/TP RATIO =   .982685     SHAPE CONSTANT, N =  3.593454
     UNIT PEAK =   19.509    CFS   UNIT VOLUME =    .9994       B =   327.09      P60 = 1.8700
     AREA =      .009943 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD             ID=4   CODE=1

                                  PARTIAL HYDROGRAPH   104.00


    RUNOFF VOLUME =      .66738 INCHES     =        .3539 ACRE-FEET
    PEAK DISCHARGE RATE =      10.95 CFS  AT   1.567 HOURS   BASIN AREA =   .0099 SQ. MI.



*
*S  COMPUTE HYD BASIN SAGE PARK TRACT 401
COMPUTE NM HYD        ID=5  HYDNO=105  AREA=0.015250 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1

     K =   .163814HR    TP =   .166700HR    K/TP RATIO =   .982685     SHAPE CONSTANT, N =  3.593454
     UNIT PEAK =   29.923    CFS   UNIT VOLUME =    .9997       B =   327.09      P60 = 1.8700
     AREA =      .015250 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD             ID=5   CODE=1

                                  PARTIAL HYDROGRAPH   105.00
```

```
    RUNOFF VOLUME =      .66738 INCHES     =        .5428 ACRE-FEET
    PEAK DISCHARGE RATE =      16.79 CFS  AT   1.567 HOURS   BASIN AREA =   .0153 SQ. MI.



*S  COMPUTE HYD BASIN TRACT 402A
COMPUTE NM HYD        ID=6  HYDNO=105  AREA=0.005974 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1

     K =   .163814HR    TP =   .166700HR    K/TP RATIO =   .982685     SHAPE CONSTANT, N =  3.593454
     UNIT PEAK =   11.722    CFS   UNIT VOLUME =    .9989       B =   327.09      P60 = 1.8700
     AREA =      .005974 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD             ID=6   CODE=1

                                 PARTIAL HYDROGRAPH   105.00


    RUNOFF VOLUME =      .66738 INCHES     =        .2126 ACRE-FEET
    PEAK DISCHARGE RATE =       6.58 CFS  AT   1.567 HOURS   BASIN AREA =   .0060 SQ. MI.



*
*S  COMPUTE HYD BASIN DEVELOPED LOTS
COMPUTE NM HYD        ID=7  HYDNO=107  AREA=0.003108 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1

     K =   .090852HR    TP =   .166700HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   8.3402    CFS   UNIT VOLUME =    .9988       B =   526.28      P60 = 1.8700
     AREA =      .002642 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


     K =   .132393HR    TP =   .166700HR    K/TP RATIO =   .794199     SHAPE CONSTANT, N =  4.514851
     UNIT PEAK =   1.0855    CFS   UNIT VOLUME =    .9883       B =   388.14      P60 = 1.8700
     AREA =      .000466 SQ MI    IA =    .35000 INCHES    INF =    .83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330
```

```
PRINT HYD             ID=7   CODE=1

                                  PARTIAL HYDROGRAPH   107.00


    RUNOFF VOLUME =     2.14166 INCHES     =        .3550 ACRE-FEET
    PEAK DISCHARGE RATE =       7.46 CFS  AT   1.533 HOURS   BASIN AREA =   .0031 SQ. MI.



*
*S  COMPUTE HYD BASIN POND TRACT 402B
COMPUTE NM HYD        ID=8  HYDNO=107  AREA=0.002554 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1

     K =   .163814HR    TP =   .166700HR    K/TP RATIO =   .982685     SHAPE CONSTANT, N =  3.593454
     UNIT PEAK =   5.0113    CFS   UNIT VOLUME =    .9973       B =   327.09      P60 = 1.8700
     AREA =      .002554 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD             ID=8   CODE=1

                                  PARTIAL HYDROGRAPH   107.00


    RUNOFF VOLUME =      .66738 INCHES     =        .0909 ACRE-FEET
    PEAK DISCHARGE RATE =       2.82 CFS  AT   1.567 HOURS   BASIN AREA =   .0026 SQ. MI.



*

ADD HYD               ID=10 HYDNO=201
                      ID=1 ID=2
PRINT HYD             ID=10 CODE=5

                                  PARTIAL HYDROGRAPH   201.00

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
      .000        .0          4.000        .4         7.999        .6         11.999        .4         15.998        .4
      .167        .0          4.166        .4         8.166        .5         12.165        .4         16.165        .4
```

.333	.0	4.333	.4	8.332	.5	12.332	.4	16.332	.4
.500	.0	4.500	.4	8.499	.5	12.499	.4	16.498	.4
.667	.0	4.666	.4	8.666	.5	12.665	.4	16.665	.4
.833	.0	4.833	.4	8.832	.5	12.832	.4	16.832	.4
1.000	.0	4.999	.4	8.999	.5	12.999	.4	16.998	.4
1.167	.1	5.166	.4	9.166	.5	13.165	.4	17.165	.4
1.333	14.4	5.333	.4	9.332	.5	13.332	.4	17.332	.4
1.500	62.8	5.499	.4	9.499	.5	13.499	.4	17.498	.4
1.667	43.5	5.666	.5	9.666	.5	13.665	.4	17.665	.3
1.833	26.2	5.833	.5	9.832	.5	13.832	.4	17.832	.3
2.000	19.3	5.999	.5	9.999	.5	13.999	.4	17.998	.3
2.166	11.0	6.166	.6	10.166	.5	14.165	.4	18.165	.3
2.333	4.9	6.333	.6	10.332	.5	14.332	.4	18.331	.3
2.500	3.1	6.499	.6	10.499	.5	14.499	.4	18.498	.3
2.666	2.1	6.666	.6	10.666	.5	14.665	.4	18.665	.3
2.833	1.5	6.833	.6	10.832	.5	14.832	.4	18.831	.3
3.000	1.0	6.999	.6	10.999	.5	14.998	.4	18.998	.3
3.166	.8	7.166	.6	11.166	.5	15.165	.4	19.165	.3
3.333	.6	7.333	.6	11.332	.5	15.332	.4	19.331	.3
3.500	.5	7.499	.6	11.499	.5	15.498	.4	19.498	.3
3.666	.5	7.666	.6	11.665	.5	15.665	.4	19.665	.3
3.833	.4	7.833	.6	11.832	.4	15.832	.4	19.831	.3

RUNOFF VOLUME = 2.20911 INCHES = 3.2194 ACRE-FEET
PEAK DISCHARGE RATE = 66.73 CFS AT 1.533 HOURS BASIN AREA = .0273 SQ. MI.

```
*
ADD HYD              ID=11 HYDNO=201
                     ID=10 ID=3
PRINT HYD            ID=11 CODE=5
```

PARTIAL HYDROGRAPH 201.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	4.000	.4	7.999	.6	11.999	.4	15.998	.4
.167	.0	4.166	.4	8.166	.5	12.165	.4	16.165	.4
.333	.0	4.333	.4	8.332	.5	12.332	.4	16.332	.4
.500	.0	4.500	.4	8.499	.5	12.499	.4	16.498	.4
.667	.0	4.666	.4	8.666	.5	12.665	.4	16.665	.4
.833	.0	4.833	.4	8.832	.5	12.832	.4	16.832	.4

1.000	.0	4.999	.4	8.999	.5	12.999	.4	16.998	.4
1.167	.1	5.166	.4	9.166	.5	13.165	.4	17.165	.4
1.333	14.6	5.333	.4	9.332	.5	13.332	.4	17.332	.4
1.500	75.8	5.499	.4	9.499	.5	13.499	.4	17.498	.4
1.667	54.4	5.666	.5	9.666	.5	13.665	.4	17.665	.3
1.833	30.8	5.833	.5	9.832	.5	13.832	.4	17.832	.3
2.000	21.1	5.999	.5	9.999	.5	13.999	.4	17.998	.3
2.166	12.1	6.166	.6	10.166	.5	14.165	.4	18.165	.3
2.333	5.8	6.333	.6	10.332	.5	14.332	.4	18.331	.3
2.500	3.7	6.499	.6	10.499	.5	14.499	.4	18.498	.3
2.666	2.5	6.666	.6	10.666	.5	14.665	.4	18.665	.3
2.833	1.7	6.833	.6	10.832	.5	14.832	.4	18.831	.3
3.000	1.3	6.999	.6	10.999	.5	14.998	.4	18.998	.3
3.166	.9	7.166	.6	11.166	.5	15.165	.4	19.165	.3
3.333	.7	7.333	.6	11.332	.5	15.332	.4	19.331	.3
3.500	.6	7.499	.6	11.499	.5	15.498	.4	19.498	.3
3.666	.5	7.666	.6	11.665	.5	15.665	.4	19.665	.3
3.833	.5	7.833	.6	11.832	.4	15.832	.4	19.831	.3

RUNOFF VOLUME = 1.70518 INCHES = 3.6916 ACRE-FEET
PEAK DISCHARGE RATE = 81.20 CFS AT 1.533 HOURS BASIN AREA = .0406 SQ. MI.

```
*
ADD HYD              ID=12 HYDNO=301
                     ID=11 ID=4
PRINT HYD            ID=12 CODE=5
```

HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	4.000	.5	7.999	.6	11.999	.4	15.998	.4
.167	.0	4.166	.4	8.166	.5	12.165	.4	16.165	.4
.333	.0	4.333	.4	8.332	.5	12.332	.4	16.332	.4
.500	.0	4.500	.4	8.499	.5	12.499	.4	16.498	.4
.667	.0	4.666	.4	8.666	.5	12.665	.4	16.665	.4
.833	.0	4.833	.4	8.832	.5	12.832	.4	16.832	.4
1.000	.0	4.999	.4	8.999	.5	12.999	.4	16.998	.4
1.167	.1	5.166	.4	9.166	.5	13.165	.4	17.165	.4
1.333	14.7	5.333	.4	9.332	.5	13.332	.4	17.332	.4
1.500	85.6	5.499	.4	9.499	.5	13.499	.4	17.498	.4

1.667	62.6	5.666	.5	9.666	.5	13.665	.4	17.665	.3
1.833	34.2	5.833	.5	9.832	.5	13.832	.4	17.832	.3
2.000	22.5	5.999	.5	9.999	.5	13.999	.4	17.998	.3
2.166	13.0	6.166	.6	10.166	.5	14.165	.4	18.165	.3
2.333	6.4	6.333	.6	10.332	.5	14.332	.4	18.331	.3
2.500	4.1	6.499	.6	10.499	.5	14.499	.4	18.498	.3
2.666	2.8	6.666	.6	10.666	.5	14.665	.4	18.665	.3
2.833	2.0	6.833	.6	10.832	.5	14.832	.4	18.831	.3
3.000	1.4	6.999	.6	10.999	.5	14.998	.4	18.998	.3
3.166	1.1	7.166	.6	11.166	.5	15.165	.4	19.165	.3
3.333	.8	7.333	.6	11.332	.5	15.332	.4	19.331	.3
3.500	.7	7.499	.6	11.499	.5	15.498	.4	19.498	.3
3.666	.6	7.666	.6	11.665	.5	15.665	.4	19.665	.3
3.833	.5	7.833	.6	11.832	.4	15.832	.4	19.831	.3

RUNOFF VOLUME = 1.50099 INCHES = 4.0455 ACRE-FEET
PEAK DISCHARGE RATE = 92.04 CFS AT 1.533 HOURS BASIN AREA = .0505 SQ. MI.

```
*
ADD HYD              ID=13 HYDNO=301
                     ID=12 ID=5
PRINT HYD            ID=13 CODE=5
```

HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	4.000	.5	7.999	.6	11.999	.4	15.998	.4
.167	.0	4.166	.5	8.166	.5	12.165	.4	16.165	.4
.333	.0	4.333	.4	8.332	.5	12.332	.4	16.332	.4
.500	.0	4.500	.4	8.499	.5	12.499	.4	16.498	.4
.667	.0	4.666	.4	8.666	.5	12.665	.4	16.665	.4
.833	.0	4.833	.4	8.832	.5	12.832	.4	16.832	.4
1.000	.0	4.999	.4	8.999	.5	12.999	.4	16.998	.4
1.167	.1	5.166	.4	9.166	.5	13.165	.4	17.165	.4
1.333	14.9	5.333	.4	9.332	.5	13.332	.4	17.332	.4
1.500	100.6	5.499	.4	9.499	.5	13.499	.4	17.498	.4
1.667	75.2	5.666	.5	9.666	.5	13.665	.4	17.665	.3
1.833	39.5	5.833	.5	9.832	.5	13.832	.4	17.832	.3
2.000	24.6	5.999	.5	9.999	.5	13.999	.4	17.998	.3
2.166	14.3	6.166	.6	10.166	.5	14.165	.4	18.165	.3

2.333	7.3	6.333	.6	10.332	.5	14.332	.4	18.331	.3
2.500	4.8	6.499	.6	10.499	.5	14.499	.4	18.498	.3
2.666	3.3	6.666	.6	10.666	.5	14.665	.4	18.665	.3
2.833	2.3	6.833	.6	10.832	.5	14.832	.4	18.831	.3
3.000	1.7	6.999	.6	10.999	.5	14.998	.4	18.998	.3
3.166	1.2	7.166	.6	11.166	.5	15.165	.4	19.165	.3
3.333	1.0	7.333	.6	11.332	.5	15.332	.4	19.331	.3
3.500	.8	7.499	.6	11.499	.5	15.498	.4	19.498	.3
3.666	.6	7.666	.6	11.665	.5	15.665	.4	19.665	.3
3.833	.5	7.833	.6	11.832	.4	15.832	.4	19.831	.3

RUNOFF VOLUME = 1.30775 INCHES = 4.5883 ACRE-FEET
PEAK DISCHARGE RATE = 108.67 CFS AT 1.533 HOURS BASIN AREA = .0658 SQ. MI.

```
*
ADD HYD              ID=14 HYDNO=301
                     ID=13 ID=6
PRINT HYD            ID=14 CODE=5
```

HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	4.000	.5	7.999	.6	11.999	.4	15.998	.4
.167	.0	4.166	.5	8.166	.5	12.165	.4	16.165	.4
.333	.0	4.333	.4	8.332	.5	12.332	.4	16.332	.4
.500	.0	4.500	.4	8.499	.5	12.499	.4	16.498	.4
.667	.0	4.666	.4	8.666	.5	12.665	.4	16.665	.4
.833	.0	4.833	.4	8.832	.5	12.832	.4	16.832	.4
1.000	.0	4.999	.4	8.999	.5	12.999	.4	16.998	.4
1.167	.1	5.166	.4	9.166	.5	13.165	.4	17.165	.4
1.333	15.0	5.333	.4	9.332	.5	13.332	.4	17.332	.4
1.500	106.5	5.499	.4	9.499	.5	13.499	.4	17.498	.4
1.667	80.1	5.666	.5	9.666	.5	13.665	.4	17.665	.3
1.833	41.5	5.833	.5	9.832	.5	13.832	.4	17.832	.3
2.000	25.5	5.999	.5	9.999	.5	13.999	.4	17.998	.3
2.166	14.9	6.166	.6	10.166	.5	14.165	.4	18.165	.3
2.333	7.7	6.333	.6	10.332	.5	14.332	.4	18.331	.3
2.500	5.1	6.499	.6	10.499	.5	14.499	.4	18.498	.3
2.666	3.5	6.666	.6	10.666	.5	14.665	.4	18.665	.3
2.833	2.4	6.833	.6	10.832	.5	14.832	.4	18.831	.3

3.000	1.8	6.999	.6	10.999	.5	14.998	.4	18.998	.3
3.166	1.3	7.166	.6	11.166	.5	15.165	.4	19.165	.3
3.333	1.0	7.333	.6	11.332	.5	15.332	.4	19.331	.3
3.500	.8	7.499	.6	11.499	.5	15.498	.4	19.498	.3
3.666	.7	7.666	.6	11.665	.5	15.665	.4	19.665	.3
3.833	.6	7.833	.6	11.832	.4	15.832	.4	19.831	.3

RUNOFF VOLUME = 1.25444 INCHES = 4.8010 ACRE-FEET
PEAK DISCHARGE RATE = 115.18 CFS AT 1.533 HOURS BASIN AREA = .0718 SQ. MI.

```
*
ADD HYD              ID=15 HYDNO=301
                     ID=14 ID=7
PRINT HYD            ID=15 CODE=5
```

HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	4.000	.5	7.999	.6	11.999	.5	15.998	.4
.167	.0	4.166	.5	8.166	.6	12.165	.5	16.165	.4
.333	.0	4.333	.5	8.332	.6	12.332	.5	16.332	.4
.500	.0	4.500	.5	8.499	.6	12.499	.5	16.498	.4
.667	.0	4.666	.4	8.666	.6	12.665	.5	16.665	.4
.833	.0	4.833	.4	8.832	.6	12.832	.5	16.832	.4
1.000	.0	4.999	.4	8.999	.6	12.999	.5	16.998	.4
1.167	.1	5.166	.5	9.166	.6	13.165	.5	17.165	.4
1.333	16.6	5.333	.5	9.332	.6	13.332	.5	17.332	.4
1.500	113.5	5.499	.5	9.499	.6	13.499	.5	17.498	.4
1.667	85.0	5.666	.5	9.666	.6	13.665	.5	17.665	.4
1.833	44.5	5.833	.5	9.832	.6	13.832	.5	17.832	.4
2.000	27.6	5.999	.6	9.999	.5	13.999	.4	17.998	.4
2.166	16.1	6.166	.6	10.166	.5	14.165	.4	18.165	.4
2.333	8.2	6.333	.7	10.332	.5	14.332	.4	18.331	.4
2.500	5.4	6.499	.7	10.499	.5	14.499	.4	18.498	.4
2.666	3.7	6.666	.7	10.666	.5	14.665	.4	18.665	.4
2.833	2.6	6.833	.7	10.832	.5	14.832	.4	18.831	.4
3.000	1.9	6.999	.7	10.999	.5	14.998	.4	18.998	.4
3.166	1.4	7.166	.6	11.166	.5	15.165	.4	19.165	.4
3.333	1.1	7.333	.6	11.332	.5	15.332	.4	19.331	.4
3.500	.9	7.499	.6	11.499	.5	15.498	.4	19.498	.4

3.666	.7	7.666	.6	11.665	.5	15.665	.4	19.665	.4
3.833	.6	7.833	.6	11.832	.5	15.832	.4	19.831	.4

RUNOFF VOLUME = 1.29127 INCHES = 5.1560 ACRE-FEET
PEAK DISCHARGE RATE = 122.64 CFS AT 1.533 HOURS BASIN AREA = .0749 SQ. MI.

```
*
ADD HYD              ID=16 HYDNO=301
                     ID=15 ID=8
PRINT HYD            ID=16 CODE=5
```

HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	4.000	.5	7.999	.6	11.999	.5	15.998	.4
.167	.0	4.166	.5	8.166	.6	12.165	.5	16.165	.4
.333	.0	4.333	.5	8.332	.6	12.332	.5	16.332	.4
.500	.0	4.500	.5	8.499	.6	12.499	.5	16.498	.4
.667	.0	4.666	.4	8.666	.6	12.665	.5	16.665	.4
.833	.0	4.833	.4	8.832	.6	12.832	.5	16.832	.4
1.000	.0	4.999	.4	8.999	.6	12.999	.5	16.998	.4
1.167	.1	5.166	.5	9.166	.6	13.165	.5	17.165	.4
1.333	16.6	5.333	.5	9.332	.6	13.332	.5	17.332	.4
1.500	116.0	5.499	.5	9.499	.6	13.499	.5	17.498	.4
1.667	87.1	5.666	.5	9.666	.6	13.665	.5	17.665	.4
1.833	45.3	5.833	.5	9.832	.6	13.832	.5	17.832	.4
2.000	27.9	5.999	.6	9.999	.5	13.999	.4	17.998	.4
2.166	16.3	6.166	.6	10.166	.5	14.165	.4	18.165	.4
2.333	8.4	6.333	.7	10.332	.5	14.332	.4	18.331	.4
2.500	5.5	6.499	.7	10.499	.5	14.499	.4	18.498	.4
2.666	3.8	6.666	.7	10.666	.5	14.665	.4	18.665	.4
2.833	2.7	6.833	.7	10.832	.5	14.832	.4	18.831	.4
3.000	1.9	6.999	.7	10.999	.5	14.998	.4	18.998	.4
3.166	1.4	7.166	.6	11.166	.5	15.165	.4	19.165	.4
3.333	1.1	7.333	.6	11.332	.5	15.332	.4	19.331	.4
3.500	.9	7.499	.6	11.499	.5	15.498	.4	19.498	.4
3.666	.7	7.666	.6	11.665	.5	15.665	.4	19.665	.4
3.833	.6	7.833	.6	11.832	.5	15.832	.4	19.831	.4

RUNOFF VOLUME = 1.27069 INCHES = 5.2469 ACRE-FEET

```
     PEAK DISCHARGE RATE =     125.43 CFS  AT   1.533 HOURS   BASIN AREA =   .0774 SQ. MI.


*
************************************************************
ROUTE RESERVOIR       ID=20 HYD=301 INFLOW ID=16 CODE=5
                      OUTFLOW           STORAGE        ELEV
                       (CFS)            (AC-FT)        (FT
                            0.00         0.0000         4998
                            0.85         0.0153         4999
                            1.27         0.1487         5000
                            1.57         0.9548         5001
                            1.81         1.9868         5002
                            2.03         3.1062         5003
                            2.23         4.2974         5004
                            2.41         5.5558         5005
                            2.50         6.2122         5005.5
                            2.66         7.6172         5006.5
                            3.17         7.7668         5006.6
                            8.28         8.3754         5007
                      PRINT HYD             ID=20 CODE=5

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

    TIME      INFLOW    ELEV      VOLUME    OUTFLOW
    (HRS)     (CFS)     (FEET)    (AC-FT)   (CFS)

      .00        .00   4998.00       .000       .00
      .17        .00   4998.00       .000       .00
      .33        .00   4998.00       .000       .00
      .50        .00   4998.00       .000       .00
      .67        .00   4998.00       .000       .00
      .83        .00   4998.00       .000       .00
     1.00        .00   4998.00       .000       .00
     1.17        .07   4998.01       .000       .01
     1.33      16.59   4999.37       .064      1.00
     1.50     116.04   5000.91       .886      1.54
     1.67      87.08   5002.38      2.414      1.89
     1.83      45.35   5003.13      3.259      2.06
     2.00      27.93   5003.51      3.717      2.13
     2.17      16.29   5003.75      3.999      2.18
     2.33       8.39   5003.86      4.128      2.20
```

2.50	5.52	5003.91	4.192	2.21
2.67	3.79	5003.94	4.225	2.22
2.83	2.66	5003.95	4.238	2.22
3.00	1.90	5003.95	4.238	2.22
3.17	1.40	5003.94	4.230	2.22
3.33	1.08	5003.93	4.217	2.22
3.50	.87	5003.92	4.200	2.21
3.67	.72	5003.90	4.180	2.21
3.83	.62	5003.88	4.159	2.21
4.00	.55	5003.86	4.136	2.20
4.17	.51	5003.85	4.113	2.20
4.33	.48	5003.83	4.090	2.20
4.50	.46	5003.81	4.066	2.19
4.67	.45	5003.79	4.042	2.19
4.83	.44	5003.77	4.018	2.18
5.00	.45	5003.75	3.994	2.18
5.17	.46	5003.73	3.971	2.18
5.33	.48	5003.71	3.947	2.17
5.50	.49	5003.69	3.924	2.17
5.67	.51	5003.67	3.901	2.16
5.83	.53	5003.65	3.878	2.16
6.00	.55	5003.63	3.856	2.16
6.17	.61	5003.61	3.834	2.15
6.33	.66	5003.59	3.814	2.15
6.50	.67	5003.58	3.793	2.15
6.67	.66	5003.56	3.773	2.14
6.83	.66	5003.54	3.752	2.14
7.00	.65	5003.53	3.732	2.14
7.17	.64	5003.51	3.711	2.13
7.33	.64	5003.49	3.691	2.13
7.50	.63	5003.47	3.670	2.12
7.67	.63	5003.46	3.650	2.12
7.83	.62	5003.44	3.629	2.12
8.00	.61	5003.42	3.609	2.11
8.17	.61	5003.40	3.588	2.11
8.33	.60	5003.39	3.567	2.11
8.50	.60	5003.37	3.546	2.10
8.67	.59	5003.35	3.526	2.10
8.83	.58	5003.33	3.505	2.10
9.00	.58	5003.32	3.484	2.09
9.17	.57	5003.30	3.463	2.09

TIME	INFLOW	ELEV	VOLUME	OUTFLOW

(HRS)	(CFS)	(FEET)	(AC-FT)	(CFS)
9.33	.57	5003.28	3.442	2.09
9.50	.56	5003.26	3.421	2.08
9.67	.56	5003.25	3.400	2.08
9.83	.55	5003.23	3.379	2.08
10.00	.55	5003.21	3.358	2.07
10.17	.54	5003.19	3.337	2.07
10.33	.53	5003.18	3.316	2.07
10.50	.53	5003.16	3.295	2.06
10.67	.53	5003.14	3.274	2.06
10.83	.52	5003.12	3.253	2.05
11.00	.52	5003.10	3.232	2.05
11.17	.51	5003.09	3.210	2.05
11.33	.51	5003.07	3.189	2.04
11.50	.50	5003.05	3.168	2.04
11.67	.50	5003.03	3.147	2.04
11.83	.50	5003.02	3.126	2.03
12.00	.49	5003.00	3.105	2.03
12.17	.49	5002.98	3.083	2.03
12.33	.48	5002.96	3.062	2.02
12.50	.48	5002.94	3.041	2.02
12.67	.48	5002.92	3.020	2.01
12.83	.47	5002.90	2.999	2.01
13.00	.47	5002.89	2.978	2.00
13.17	.47	5002.87	2.956	2.00
13.33	.46	5002.85	2.935	2.00
13.50	.46	5002.83	2.914	1.99
13.67	.46	5002.81	2.893	1.99
13.83	.45	5002.79	2.872	1.98
14.00	.45	5002.77	2.851	1.98
14.17	.45	5002.75	2.830	1.98
14.33	.44	5002.73	2.809	1.97
14.50	.44	5002.72	2.788	1.97
14.67	.44	5002.70	2.767	1.96
14.83	.43	5002.68	2.745	1.96
15.00	.43	5002.66	2.724	1.95
15.17	.42	5002.64	2.703	1.95
15.33	.42	5002.62	2.682	1.95
15.50	.42	5002.60	2.661	1.94
15.67	.42	5002.58	2.641	1.94
15.83	.41	5002.57	2.620	1.93
16.00	.41	5002.55	2.599	1.93

```
    16.17        .41   5002.53      2.578      1.93
    16.33        .41   5002.51      2.557      1.92
    16.50        .41   5002.49      2.536      1.92
    16.67        .40   5002.47      2.515      1.91
    16.83        .40   5002.45      2.494      1.91
    17.00        .40   5002.44      2.474      1.91
    17.16        .40   5002.42      2.453      1.90
    17.33        .39   5002.40      2.432      1.90
    17.50        .39   5002.38      2.411      1.89
    17.66        .39   5002.36      2.391      1.89
    17.83        .39   5002.34      2.370      1.89
    18.00        .38   5002.32      2.349      1.88
    18.16        .38   5002.31      2.329      1.88
    18.33        .38   5002.29      2.308      1.87
    18.50        .37   5002.27      2.288      1.87

    TIME      INFLOW    ELEV      VOLUME    OUTFLOW
    (HRS)     (CFS)     (FEET)    (AC-FT)   (CFS)

    18.66        .38   5002.25      2.267      1.87
    18.83        .37   5002.23      2.246      1.86
    19.00        .37   5002.21      2.226      1.86
    19.16        .37   5002.20      2.205      1.85
    19.33        .36   5002.18      2.185      1.85
    19.50        .36   5002.16      2.165      1.84
    19.66        .36   5002.14      2.144      1.84
    19.83        .36   5002.12      2.124      1.84
 PEAK DISCHARGE =        2.220 CFS - PEAK OCCURS AT HOUR    2.93
 MAXIMUM WATER SURFACE ELEVATION =     5003.952
 MAXIMUM STORAGE =        4.2395 AC-FT      INCREMENTAL TIME=     .033330HRS

**********************************************************
*
FINISH

    NORMAL PROGRAM FINISH          END TIME (HR:MIN:SEC) = 21:02:40
```

Proposed Runoff Calculations / AHYMO

```
*  Project SAGE PARK
*  PROPOSED Conditions
*  100 YEAR 24 HOUR RAINFALL TABLE
RAINFALL              TYPE=2  RAIN QUARTER=0
                      RAIN ONE=1.87 IN  RAIN SIX=2.20 IN
                      RAIN DAY=2.66 IN  DT=0.03333 HRS
**********************************************************

*S  COMPUTE HYD BASIN COORS STORM DRAIN
COMPUTE NM HYD        ID=1  HYDNO=101  AREA=0.023247 SQ MI
                      PER A=0 PER B=0 PER C=10 PER D=90
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=1   CODE=1
*
*S  COMPUTE HYD BASIN SAGE ROAD
COMPUTE NM HYD        ID=2  HYDNO=102  AREA=0.004078 SQ MI
                      PER A=0 PER B=0 PER C=10 PER D=90
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=2   CODE=1
*
*S  COMPUTE HYD BASIN TRACT 359 TO 361
COMPUTE NM HYD        ID=3  HYDNO=103  AREA=0.013268 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=3   CODE=1
*
*S  COMPUTE HYD BASIN TRACT 400A
COMPUTE NM HYD        ID=4  HYDNO=104  AREA=0.009943 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=4   CODE=1
*
*S  COMPUTE HYD BASIN P1
COMPUTE NM HYD        ID=51  HYDNO=201  AREA=0.005871 SQ MI
                      PER A=0 PER B=15 PER C=15 PER D=70
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=51   CODE=5
```

```
*S  COMPUTE HYD BASIN P2
COMPUTE NM HYD        ID=52  HYDNO=202  AREA=0.000794 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=52   CODE=5

*S  COMPUTE HYD BASIN P3
COMPUTE NM HYD        ID=53  HYDNO=203  AREA=0.008460 SQ MI
                      PER A=0 PER B=15 PER C=15 PER D=70
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=3   CODE=5

*S  COMPUTE HYD BASIN P4
COMPUTE NM HYD        ID=54  HYDNO=204  AREA=0.000437 SQ MI
                      PER A=0 PER B=0 PER C=100 PER D=0
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=54   CODE=5
*************************************************************
ADD HYD               ID=61 HYDNO=301
                      ID=51 ID=52
PRINT HYD             ID=61 CODE=5

ADD HYD               ID=62 HYDNO=302
                      ID=61 ID=53
PRINT HYD             ID=62 CODE=5

ADD HYD               ID=63 HYDNO=303
                      ID=62 ID=54
PRINT HYD             ID=63 CODE=5
*************************************************************
ROUTE RESERVOIR       ID=99 HYD=305 INFLOW ID=63 CODE=5
                      OUTFLOW           STORAGE        ELEV
                       (CFS)            (AC-FT)        (FT)
                 0.00            0.0           5000
                 0.01         0.3233         5004.6
                 0.85         0.3788         5004.9
                 6.74         0.3932         5005
                 44.13        0.5685         5006
```

```
                        PRINT HYD             ID=99 CODE=5
************************************************************
*
*S  COMPUTE HYD BASIN SAGE PARK TRACT 402A
COMPUTE NM HYD        ID=6  HYDNO=105  AREA=0.005974 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=6   CODE=1
*
*S  COMPUTE HYD BASIN DEVELOPED LOTS
COMPUTE NM HYD        ID=7  HYDNO=107  AREA=0.003108 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=7   CODE=1
*
*S  COMPUTE HYD BASIN POND TRACT 402B
COMPUTE NM HYD        ID=8  HYDNO=107  AREA=0.002554 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1
PRINT HYD             ID=8   CODE=1

ADD HYD               ID=10 HYDNO=201
                      ID=1 ID=2
PRINT HYD             ID=10 CODE=5
*
ADD HYD               ID=11 HYDNO=201
                      ID=10 ID=3
PRINT HYD             ID=11 CODE=5
*
ADD HYD               ID=12 HYDNO=301
                      ID=11 ID=4
PRINT HYD             ID=12 CODE=5
*
ADD HYD               ID=13 HYDNO=301
                      ID=12 ID=99
PRINT HYD             ID=13 CODE=5
*
ADD HYD               ID=14 HYDNO=301
                      ID=13 ID=6
```

```
PRINT HYD             ID=14 CODE=5
*
ADD HYD               ID=15 HYDNO=301
                      ID=14 ID=7
PRINT HYD             ID=15 CODE=5
*
ADD HYD               ID=16 HYDNO=301
                      ID=15 ID=8
PRINT HYD             ID=16 CODE=5
*
************************************************************
ROUTE RESERVOIR       ID=20 HYD=301 INFLOW ID=16 CODE=5
                      OUTFLOW           STORAGE        ELEV
                       (CFS)            (AC-FT)        (FT
                 0.00        0.0000         4998
                 0.85        0.0153         4999
                 1.27        0.1487         5000
                 1.57        0.9548         5001
                 1.81        1.9868         5002
                 2.03        3.1062         5003
                 2.23        4.2974         5004
                 2.41        5.5558         5005
                 2.50        6.2122         5005.5
                 2.66        7.6172         5006.5
                 3.17        7.7668         5006.6
                 8.28        8.3754         5007
                     PRINT HYD             ID=20 CODE=5
************************************************************
*
FINISH
```

```
                                FROM  TO                  PEAK        RUNOFF              TIME TO    CFS      PAGE =   1
                  HYDROGRAPH     ID   ID        AREA     DISCHARGE    VOLUME     RUNOFF     PEAK      PER
COMMAND       IDENTIFICATION     NO.  NO.     (SQ MI)     (CFS)      (AC-FT)   (INCHES)   (HOURS)   ACRE     NOTATION
LOCATION                        AHYMO_97
RAINFALL  TYPE= 2 NOAA 2                                                                              RAIN24=   2.660
*S  COMPUTE HYD BASIN UNSER STORM DRAIN
COMPUTE NM HYD        101.00   -     1       0.02325      56.76      2.829     2.28189    1.533    3.815 PER IMP=  90.00
*S  COMPUTE HYD BASIN SAGE ROAD
COMPUTE NM HYD        102.00   -     2       0.00408       9.97      0.496     2.28189    1.533    3.821 PER IMP=  90.00
*S  COMPUTE HYD BASIN TRACT 359 TO 361
COMPUTE NM HYD        103.00   -     3       0.01327      31.78      1.564     2.21036    1.533    3.742 PER IMP=  85.00
*S  COMPUTE HYD BASIN TRACT 400A
COMPUTE NM HYD        104.00   -     4       0.00994      23.82      1.172     2.21036    1.533    3.743 PER IMP=  85.00
*S  COMPUTE HYD BASIN P1
COMPUTE NM HYD        201.00   -    51       0.00587      12.78      0.608     1.94216    1.533    3.401 PER IMP=  70.00
*S  COMPUTE HYD BASIN P2
COMPUTE NM HYD        202.00   -    52       0.00079       0.88      0.028     0.66738    1.567    1.735 PER IMP=   0.00
*S  COMPUTE HYD BASIN P3
COMPUTE NM HYD        203.00   -    53       0.00846      18.41      0.876     1.94216    1.533    3.400 PER IMP=  70.00
*S  COMPUTE HYD BASIN P4
COMPUTE NM HYD        204.00   -    54       0.00044       0.70      0.023     0.99441    1.533    2.517 PER IMP=   0.00
ADD HYD               301.00 51&52  61       0.00669      13.66      0.636     1.78263    1.533    3.190
ADD HYD               302.00 61&53  62       0.01469      32.04      1.534     1.95712    1.533    3.407
ADD HYD               303.00 62&54  63       0.01524      32.92      1.563     1.92231    1.533    3.375
ROUTE RESERVOIR       305.00   63   99       0.01524      29.57      1.400     1.72228    1.600    3.031 AC-FT=    0.330
*S  COMPUTE HYD BASIN SAGE PARK TRACT 402A
COMPUTE NM HYD        105.00   -     6       0.00597      14.32      0.704     2.21036    1.533    3.745 PER IMP=  85.00
*S  COMPUTE HYD BASIN DEVELOPED LOTS
COMPUTE NM HYD        107.00   -     7       0.00311       7.46      0.366     2.21036    1.533    3.749 PER IMP=  85.00
*S  COMPUTE HYD BASIN POND TRACT 402B
COMPUTE NM HYD        107.00   -     8       0.00255       6.13      0.301     2.21036    1.533    3.751 PER IMP=  85.00
ADD HYD               201.00  1& 2  10       0.02733      66.73      3.325     2.28186    1.533    3.816
ADD HYD               201.00 10& 3  11       0.04059      98.51      4.890     2.25849    1.533    3.792
ADD HYD               301.00 11& 4  12       0.05054     122.33      6.062     2.24901    1.533    3.782
ADD HYD               301.00 12&99  13       0.06578     146.21      7.462     2.12695    1.567    3.473
ADD HYD               301.00 13& 6  14       0.07175     160.01      8.166     2.13389    1.567    3.485
ADD HYD               301.00 14& 7  15       0.07486     167.21      8.532     2.13706    1.567    3.490
ADD HYD               301.00 15& 8  16       0.07742     173.12      8.833     2.13947    1.567    3.494
ROUTE RESERVOIR       301.00   16   20       0.07742       2.53      8.833     2.13944    3.100    0.051 AC-FT=    6.504
FINISH
```

```
    AHYMO PROGRAM (AHYMO-S4)                    - Version: S4.02a - Rel: 02a
         RUN DATE (MON/DAY/YR) = 03/17/2023
         START TIME (HR:MIN:SEC) = 15:35:14     USER NO.= AHYMO-S4TempUser05901704
         INPUT FILE = F:\stillbrooke\Sage\DRAINAGE 3\SAGE PARK.HMI

*  Project SAGE PARK
*  PROPOSED Conditions
*  100 YEAR 24 HOUR RAINFALL TABLE
LOCATION             AHYMO97
     Rainfall TYPE=1 and 2 will use distribution from AHYMO_97 program.
     Soil infiltration values will use default values.
     Land Treatment     Initial Abstr.(in)    Unif. Infilt.(in/hour)
          A             0.65                  1.67
          B             0.50                  1.25
          C             0.35                  0.83
          D             0.10                  0.04

RAINFALL             TYPE=2  RAIN QUARTER=0
                     RAIN ONE=1.87 IN  RAIN SIX=2.20 IN
                     RAIN DAY=2.66 IN  DT=0.03333 HRS

               COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
               DT =   0.033330 HOURS       END TIME =    23.997601 HOURS
                 0.0000  0.0016  0.0033  0.0050  0.0067  0.0085  0.0103
                 0.0122  0.0141  0.0160  0.0180  0.0201  0.0222  0.0243
                 0.0266  0.0289  0.0312  0.0337  0.0362  0.0388  0.0415
                 0.0443  0.0472  0.0502  0.0534  0.0567  0.0601  0.0637
                 0.0675  0.0715  0.0758  0.0809  0.0865  0.0924  0.1050
                 0.1334  0.1771  0.2398  0.3254  0.4379  0.5814  0.7600
                 0.9780  1.1804  1.2649  1.3363  1.3997  1.4575  1.5106
                 1.5600  1.6061  1.6493  1.6900  1.7284  1.7646  1.7989
                 1.8314  1.8623  1.8915  1.9193  1.9456  1.9518  1.9576
                 1.9630  1.9682  1.9732  1.9780  1.9825  1.9869  1.9912
                 1.9953  1.9993  2.0031  2.0068  2.0104  2.0140  2.0174
                 2.0207  2.0240  2.0272  2.0303  2.0333  2.0363  2.0392
                 2.0420  2.0448  2.0475  2.0502  2.0528  2.0554  2.0580
                 2.0605  2.0629  2.0653  2.0677  2.0700  2.0723  2.0746
                 2.0768  2.0790  2.0812  2.0833  2.0855  2.0875  2.0896
                 2.0916  2.0936  2.0956  2.0976  2.0995  2.1014  2.1033
                 2.1051  2.1070  2.1088  2.1106  2.1124  2.1141  2.1159
                 2.1176  2.1193  2.1210  2.1227  2.1244  2.1260  2.1276
```

2.1292	2.1308	2.1324	2.1340	2.1355	2.1371	2.1386
2.1401	2.1416	2.1431	2.1446	2.1460	2.1475	2.1489
2.1504	2.1518	2.1532	2.1546	2.1560	2.1573	2.1587
2.1600	2.1614	2.1627	2.1640	2.1654	2.1667	2.1680
2.1692	2.1705	2.1718	2.1731	2.1743	2.1756	2.1768
2.1780	2.1792	2.1804	2.1817	2.1829	2.1840	2.1852
2.1864	2.1876	2.1887	2.1899	2.1910	2.1922	2.1933
2.1944	2.1956	2.1967	2.1978	2.1989	2.2000	2.2013
2.2026	2.2039	2.2052	2.2065	2.2078	2.2091	2.2103
2.2116	2.2129	2.2142	2.2155	2.2167	2.2180	2.2193
2.2205	2.2218	2.2230	2.2243	2.2255	2.2268	2.2280
2.2293	2.2305	2.2318	2.2330	2.2342	2.2354	2.2367
2.2379	2.2391	2.2403	2.2415	2.2428	2.2440	2.2452
2.2464	2.2476	2.2488	2.2500	2.2512	2.2524	2.2536
2.2547	2.2559	2.2571	2.2583	2.2595	2.2606	2.2618
2.2630	2.2641	2.2653	2.2665	2.2676	2.2688	2.2699
2.2711	2.2722	2.2734	2.2745	2.2757	2.2768	2.2779
2.2791	2.2802	2.2813	2.2825	2.2836	2.2847	2.2858
2.2870	2.2881	2.2892	2.2903	2.2914	2.2925	2.2936
2.2947	2.2958	2.2969	2.2980	2.2991	2.3002	2.3013
2.3024	2.3035	2.3046	2.3057	2.3067	2.3078	2.3089
2.3100	2.3110	2.3121	2.3132	2.3142	2.3153	2.3164
2.3174	2.3185	2.3195	2.3206	2.3216	2.3227	2.3237
2.3248	2.3258	2.3269	2.3279	2.3290	2.3300	2.3310
2.3321	2.3331	2.3341	2.3352	2.3362	2.3372	2.3382
2.3392	2.3403	2.3413	2.3423	2.3433	2.3443	2.3453
2.3463	2.3473	2.3483	2.3493	2.3503	2.3513	2.3523
2.3533	2.3543	2.3553	2.3563	2.3573	2.3583	2.3593
2.3603	2.3612	2.3622	2.3632	2.3642	2.3651	2.3661
2.3671	2.3681	2.3690	2.3700	2.3710	2.3719	2.3729
2.3738	2.3748	2.3758	2.3767	2.3777	2.3786	2.3796
2.3805	2.3815	2.3824	2.3834	2.3843	2.3852	2.3862
2.3871	2.3881	2.3890	2.3899	2.3909	2.3918	2.3927
2.3936	2.3946	2.3955	2.3964	2.3973	2.3983	2.3992
2.4001	2.4010	2.4019	2.4028	2.4038	2.4047	2.4056
2.4065	2.4074	2.4083	2.4092	2.4101	2.4110	2.4119
2.4128	2.4137	2.4146	2.4155	2.4164	2.4173	2.4181
2.4190	2.4199	2.4208	2.4217	2.4226	2.4234	2.4243
2.4252	2.4261	2.4270	2.4278	2.4287	2.4296	2.4304
2.4313	2.4322	2.4331	2.4339	2.4348	2.4356	2.4365
2.4374	2.4382	2.4391	2.4399	2.4408	2.4416	2.4425
2.4434	2.4442	2.4451	2.4459	2.4467	2.4476	2.4484
2.4493	2.4501	2.4510	2.4518	2.4526	2.4535	2.4543

2.4551	2.4560	2.4568	2.4576	2.4585	2.4593	2.4601
2.4609	2.4618	2.4626	2.4634	2.4642	2.4651	2.4659
2.4667	2.4675	2.4683	2.4691	2.4700	2.4708	2.4716
2.4724	2.4732	2.4740	2.4748	2.4756	2.4764	2.4772
2.4780	2.4788	2.4796	2.4804	2.4812	2.4820	2.4828
2.4836	2.4844	2.4852	2.4860	2.4868	2.4876	2.4884
2.4892	2.4899	2.4907	2.4915	2.4923	2.4931	2.4939
2.4946	2.4954	2.4962	2.4970	2.4978	2.4985	2.4993
2.5001	2.5008	2.5016	2.5024	2.5032	2.5039	2.5047
2.5055	2.5062	2.5070	2.5078	2.5085	2.5093	2.5100
2.5108	2.5116	2.5123	2.5131	2.5138	2.5146	2.5153
2.5161	2.5168	2.5176	2.5183	2.5191	2.5198	2.5206
2.5213	2.5221	2.5228	2.5236	2.5243	2.5250	2.5258
2.5265	2.5273	2.5280	2.5287	2.5295	2.5302	2.5309
2.5317	2.5324	2.5331	2.5339	2.5346	2.5353	2.5361
2.5368	2.5375	2.5382	2.5390	2.5397	2.5404	2.5411
2.5418	2.5426	2.5433	2.5440	2.5447	2.5454	2.5462
2.5469	2.5476	2.5483	2.5490	2.5497	2.5504	2.5511
2.5518	2.5526	2.5533	2.5540	2.5547	2.5554	2.5561
2.5568	2.5575	2.5582	2.5589	2.5596	2.5603	2.5610
2.5617	2.5624	2.5631	2.5638	2.5645	2.5652	2.5659
2.5665	2.5672	2.5679	2.5686	2.5693	2.5700	2.5707
2.5714	2.5721	2.5727	2.5734	2.5741	2.5748	2.5755
2.5761	2.5768	2.5775	2.5782	2.5789	2.5795	2.5802
2.5809	2.5816	2.5822	2.5829	2.5836	2.5843	2.5849
2.5856	2.5863	2.5869	2.5876	2.5883	2.5889	2.5896
2.5903	2.5909	2.5916	2.5923	2.5929	2.5936	2.5943
2.5949	2.5956	2.5962	2.5969	2.5975	2.5982	2.5989
2.5995	2.6002	2.6008	2.6015	2.6021	2.6028	2.6034
2.6041	2.6047	2.6054	2.6060	2.6067	2.6073	2.6080
2.6086	2.6093	2.6099	2.6105	2.6112	2.6118	2.6125
2.6131	2.6138	2.6144	2.6150	2.6157	2.6163	2.6169
2.6176	2.6182	2.6189	2.6195	2.6201	2.6208	2.6214
2.6220	2.6226	2.6233	2.6239	2.6245	2.6252	2.6258
2.6264	2.6270	2.6277	2.6283	2.6289	2.6295	2.6302
2.6308	2.6314	2.6320	2.6327	2.6333	2.6339	2.6345
2.6351	2.6357	2.6364	2.6370	2.6376	2.6382	2.6388
2.6394	2.6401	2.6407	2.6413	2.6419	2.6425	2.6431
2.6437	2.6443	2.6449	2.6455	2.6462	2.6468	2.6474
2.6480	2.6486	2.6492	2.6498	2.6504	2.6510	2.6516
2.6522	2.6528	2.6534	2.6540	2.6546	2.6552	2.6558
2.6564	2.6570	2.6576	2.6582	2.6588	2.6594	2.6600

```
**********************************************************

*S  COMPUTE HYD BASIN UNSER STORM DRAIN
COMPUTE NM HYD        ID=1  HYDNO=101  AREA=0.023247 SQ MI
                      PER A=0 PER B=0 PER C=10 PER D=90
                      TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   66.052    CFS   UNIT VOLUME =    1.000       B =   526.28      P60 = 1.8700
     AREA =     0.020922 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330


     K =  0.132393HR    TP =  0.166700HR    K/TP RATIO =  0.794199     SHAPE CONSTANT, N =  4.514592
     UNIT PEAK =   5.4127    CFS   UNIT VOLUME =   0.9977       B =   388.14      P60 = 1.8700
     AREA =     0.002325 SQ MI    IA =   0.35000 INCHES    INF =   0.83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD             ID=1   CODE=1

                                  PARTIAL HYDROGRAPH   101.00


    RUNOFF VOLUME =     2.28189 INCHES     =       2.8292 ACRE-FEET
    PEAK DISCHARGE RATE =      56.76 CFS  AT   1.533 HOURS   BASIN AREA =  0.0232 SQ. MI.



*
*S  COMPUTE HYD BASIN SAGE ROAD
COMPUTE NM HYD        ID=2  HYDNO=102  AREA=0.004078 SQ MI
                      PER A=0 PER B=0 PER C=10 PER D=90
                      TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   11.587    CFS   UNIT VOLUME =   0.9992       B =   526.28      P60 = 1.8700
     AREA =     0.003670 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330


     K =  0.132393HR    TP =  0.166700HR    K/TP RATIO =  0.794199     SHAPE CONSTANT, N =  4.514592
     UNIT PEAK =  0.94950    CFS   UNIT VOLUME =   0.9861       B =   388.14      P60 = 1.8700
     AREA =     0.000408 SQ MI    IA =   0.35000 INCHES    INF =   0.83000 INCHES PER HOUR
```

```
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD             ID=2   CODE=1

                                    PARTIAL HYDROGRAPH   102.00


    RUNOFF VOLUME =     2.28189 INCHES     =       0.4963 ACRE-FEET
    PEAK DISCHARGE RATE =       9.97 CFS  AT   1.533 HOURS   BASIN AREA =  0.0041 SQ. MI.



*
*S  COMPUTE HYD BASIN TRACT 359 TO 361
COMPUTE NM HYD        ID=3  HYDNO=103  AREA=0.013268 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   35.604    CFS   UNIT VOLUME =   0.9999       B =   526.28      P60 = 1.8700
     AREA =     0.011278 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330


     K =  0.132393HR    TP =  0.166700HR    K/TP RATIO =  0.794199     SHAPE CONSTANT, N =  4.514592
     UNIT PEAK =   4.6339    CFS   UNIT VOLUME =   0.9973       B =   388.14      P60 = 1.8700
     AREA =     0.001990 SQ MI    IA =   0.35000 INCHES    INF =   0.83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD             ID=3   CODE=1

                                    PARTIAL HYDROGRAPH   103.00


    RUNOFF VOLUME =     2.21036 INCHES     =       1.5641 ACRE-FEET
    PEAK DISCHARGE RATE =      31.78 CFS  AT   1.533 HOURS   BASIN AREA =  0.0133 SQ. MI.



*
*S  COMPUTE HYD BASIN TRACT 400A
COMPUTE NM HYD        ID=4  HYDNO=104  AREA=0.009943 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
```

```
                    TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   26.682    CFS   UNIT VOLUME =   0.9998       B =   526.28      P60 = 1.8700
     AREA =     0.008452 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330


     K =  0.132393HR    TP =  0.166700HR    K/TP RATIO =  0.794199     SHAPE CONSTANT, N =  4.514592
     UNIT PEAK =   3.4726    CFS   UNIT VOLUME =   0.9965       B =   388.14      P60 = 1.8700
     AREA =     0.001491 SQ MI    IA =   0.35000 INCHES    INF =   0.83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD            ID=4   CODE=1

                                  PARTIAL HYDROGRAPH   104.00


    RUNOFF VOLUME =     2.21036 INCHES     =       1.1721 ACRE-FEET
    PEAK DISCHARGE RATE =      23.82 CFS  AT   1.533 HOURS   BASIN AREA =  0.0099 SQ. MI.



*
*S  COMPUTE HYD BASIN P1
COMPUTE NM HYD       ID=51  HYDNO=201  AREA=0.005871 SQ MI
                     PER A=0 PER B=15 PER C=15 PER D=70
                     TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   12.974    CFS   UNIT VOLUME =   0.9994       B =   526.28      P60 = 1.8700
     AREA =     0.004110 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330


     K =  0.148103HR    TP =  0.166700HR    K/TP RATIO =  0.888442     SHAPE CONSTANT, N =  3.992344
     UNIT PEAK =   3.7473    CFS   UNIT VOLUME =   0.9966       B =   354.66      P60 = 1.8700
     AREA =     0.001761 SQ MI    IA =   0.42500 INCHES    INF =   1.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD            ID=51   CODE=5

                                  PARTIAL HYDROGRAPH   201.00
```

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	4.999	0.1	9.999	0.1	14.998	0.1	19.998	0.1
0.167	0.0	5.166	0.1	10.166	0.1	15.165	0.1	20.165	0.1
0.333	0.0	5.333	0.1	10.332	0.1	15.332	0.1	20.331	0.1
0.500	0.0	5.499	0.1	10.499	0.1	15.498	0.1	20.498	0.1
0.667	0.0	5.666	0.1	10.666	0.1	15.665	0.1	20.665	0.1
0.833	0.0	5.833	0.1	10.832	0.1	15.832	0.1	20.831	0.1
1.000	0.0	5.999	0.1	10.999	0.1	15.998	0.1	20.998	0.1
1.167	0.0	6.166	0.1	11.166	0.1	16.165	0.1	21.165	0.1
1.333	2.4	6.333	0.1	11.332	0.1	16.332	0.1	21.331	0.1
1.500	12.0	6.499	0.1	11.499	0.1	16.498	0.1	21.498	0.1
1.667	8.5	6.666	0.1	11.665	0.1	16.665	0.1	21.665	0.1
1.833	4.9	6.833	0.1	11.832	0.1	16.832	0.1	21.831	0.1
2.000	3.4	6.999	0.1	11.999	0.1	16.998	0.1	21.998	0.1
2.166	2.0	7.166	0.1	12.165	0.1	17.165	0.1	22.164	0.1
2.333	0.9	7.333	0.1	12.332	0.1	17.332	0.1	22.331	0.0
2.500	0.6	7.499	0.1	12.499	0.1	17.498	0.1	22.498	0.0
2.666	0.4	7.666	0.1	12.665	0.1	17.665	0.1	22.664	0.0
2.833	0.3	7.833	0.1	12.832	0.1	17.832	0.1	22.831	0.0
3.000	0.2	7.999	0.1	12.999	0.1	17.998	0.1	22.998	0.0
3.166	0.1	8.166	0.1	13.165	0.1	18.165	0.1	23.164	0.0
3.333	0.1	8.332	0.1	13.332	0.1	18.331	0.1	23.331	0.0
3.500	0.1	8.499	0.1	13.499	0.1	18.498	0.1	23.498	0.0
3.666	0.1	8.666	0.1	13.665	0.1	18.665	0.1	23.664	0.0
3.833	0.1	8.832	0.1	13.832	0.1	18.831	0.1	23.831	0.0
4.000	0.1	8.999	0.1	13.999	0.1	18.998	0.1	23.998	0.0
4.166	0.1	9.166	0.1	14.165	0.1	19.165	0.1	24.164	0.0
4.333	0.1	9.332	0.1	14.332	0.1	19.331	0.1	24.331	0.0
4.500	0.1	9.499	0.1	14.499	0.1	19.498	0.1	24.498	0.0
4.666	0.1	9.666	0.1	14.665	0.1	19.665	0.1	24.664	0.0
4.833	0.1	9.832	0.1	14.832	0.1	19.831	0.1	24.831	0.0

RUNOFF VOLUME = 1.94216 INCHES = 0.6081 ACRE-FEET
PEAK DISCHARGE RATE = 12.78 CFS AT 1.533 HOURS BASIN AREA = 0.0059 SQ. MI.

```
*S  COMPUTE HYD BASIN P2
COMPUTE NM HYD        ID=52  HYDNO=202  AREA=0.000794 SQ MI
                      PER A=0 PER B=100 PER C=0 PER D=0
```

```
                    TP=.1667 HR MASS RAIN=-1

     K =  0.163814HR    TP =  0.166700HR    K/TP RATIO =  0.982685     SHAPE CONSTANT, N =  3.593298
     UNIT PEAK =   1.5579    CFS   UNIT VOLUME =   0.9911       B =   327.08      P60 = 1.8700
     AREA =     0.000794 SQ MI    IA =   0.50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD            ID=52   CODE=5

                                  PARTIAL HYDROGRAPH   202.00

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
     0.000       0.0         0.833       0.0         1.667       0.7         2.500       0.0         3.333       0.0
     0.167       0.0         1.000       0.0         1.833       0.3         2.666       0.0
     0.333       0.0         1.167       0.0         2.000       0.1         2.833       0.0
     0.500       0.0         1.333       0.0         2.166       0.1         3.000       0.0
     0.667       0.0         1.500       0.8         2.333       0.0         3.166       0.0

    RUNOFF VOLUME =     0.66738 INCHES     =       0.0283 ACRE-FEET
    PEAK DISCHARGE RATE =       0.88 CFS  AT   1.567 HOURS   BASIN AREA =  0.0008 SQ. MI.



*S  COMPUTE HYD BASIN P3
COMPUTE NM HYD       ID=53  HYDNO=203  AREA=0.008460 SQ MI
                     PER A=0 PER B=15 PER C=15 PER D=70
                     TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   18.696    CFS   UNIT VOLUME =   0.9996       B =   526.28      P60 = 1.8700
     AREA =     0.005922 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330


     K =  0.148103HR    TP =  0.166700HR    K/TP RATIO =  0.888442     SHAPE CONSTANT, N =  3.992344
     UNIT PEAK =   5.3997    CFS   UNIT VOLUME =   0.9977       B =   354.66      P60 = 1.8700
     AREA =     0.002538 SQ MI    IA =   0.42500 INCHES    INF =   1.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD            ID=3   CODE=5
```

PARTIAL HYDROGRAPH 103.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	5.166	0.2	10.332	0.2	15.498	0.2	20.665	0.1
0.167	0.0	5.333	0.2	10.499	0.2	15.665	0.2	20.831	0.1
0.333	0.0	5.499	0.2	10.666	0.2	15.832	0.2	20.998	0.1
0.500	0.0	5.666	0.2	10.832	0.2	15.998	0.2	21.165	0.1
0.667	0.0	5.833	0.2	10.999	0.2	16.165	0.2	21.331	0.1
0.833	0.0	5.999	0.2	11.166	0.2	16.332	0.2	21.498	0.1
1.000	0.0	6.166	0.3	11.332	0.2	16.498	0.2	21.665	0.1
1.167	0.0	6.333	0.3	11.499	0.2	16.665	0.2	21.831	0.1
1.333	6.6	6.499	0.3	11.665	0.2	16.832	0.2	21.998	0.1
1.500	29.9	6.666	0.3	11.832	0.2	16.998	0.2	22.164	0.1
1.667	20.8	6.833	0.3	11.999	0.2	17.165	0.2	22.331	0.1
1.833	12.4	6.999	0.3	12.165	0.2	17.332	0.2	22.498	0.1
2.000	9.1	7.166	0.3	12.332	0.2	17.498	0.2	22.664	0.1
2.166	5.1	7.333	0.3	12.499	0.2	17.665	0.2	22.831	0.1
2.333	2.3	7.499	0.3	12.665	0.2	17.832	0.2	22.998	0.1
2.500	1.5	7.666	0.3	12.832	0.2	17.998	0.2	23.164	0.1
2.666	1.0	7.833	0.3	12.999	0.2	18.165	0.2	23.331	0.1
2.833	0.7	7.999	0.3	13.165	0.2	18.331	0.2	23.498	0.1
3.000	0.5	8.166	0.3	13.332	0.2	18.498	0.2	23.664	0.1
3.166	0.4	8.332	0.2	13.499	0.2	18.665	0.2	23.831	0.1
3.333	0.3	8.499	0.2	13.665	0.2	18.831	0.2	23.998	0.1
3.500	0.2	8.666	0.2	13.832	0.2	18.998	0.2	24.164	0.1
3.666	0.2	8.832	0.2	13.999	0.2	19.165	0.2	24.331	0.0
3.833	0.2	8.999	0.2	14.165	0.2	19.331	0.2	24.498	0.0
4.000	0.2	9.166	0.2	14.332	0.2	19.498	0.2	24.664	0.0
4.166	0.2	9.332	0.2	14.499	0.2	19.665	0.1	24.831	0.0
4.333	0.2	9.499	0.2	14.665	0.2	19.831	0.1	24.998	0.0
4.500	0.2	9.666	0.2	14.832	0.2	19.998	0.1		
4.666	0.2	9.832	0.2	14.998	0.2	20.165	0.1		
4.833	0.2	9.999	0.2	15.165	0.2	20.331	0.1		
4.999	0.2	10.166	0.2	15.332	0.2	20.498	0.1		

RUNOFF VOLUME = 2.21036 INCHES = 1.5641 ACRE-FEET
PEAK DISCHARGE RATE = 31.78 CFS AT 1.533 HOURS BASIN AREA = 0.0133 SQ. MI.

*S COMPUTE HYD BASIN P4

```
COMPUTE NM HYD        ID=54  HYDNO=204  AREA=0.000437 SQ MI
                      PER A=0 PER B=0 PER C=100 PER D=0
                      TP=.1667 HR MASS RAIN=-1

     K =  0.132393HR    TP =  0.166700HR    K/TP RATIO =  0.794199     SHAPE CONSTANT, N =  4.514592
     UNIT PEAK =   1.0175    CFS   UNIT VOLUME =   0.9872       B =   388.14      P60 = 1.8700
     AREA =     0.000437 SQ MI    IA =   0.35000 INCHES    INF =   0.83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD             ID=54   CODE=5

                                   PARTIAL HYDROGRAPH   204.00

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
     0.000       0.0         0.667       0.0         1.333       0.0         2.000       0.1         2.666       0.0
     0.167       0.0         0.833       0.0         1.500       0.6         2.166       0.1         2.833       0.0
     0.333       0.0         1.000       0.0         1.667       0.5         2.333       0.0         3.000       0.0
     0.500       0.0         1.167       0.0         1.833       0.2         2.500       0.0

    RUNOFF VOLUME =     0.99441 INCHES     =       0.0232 ACRE-FEET
    PEAK DISCHARGE RATE =       0.70 CFS  AT   1.533 HOURS   BASIN AREA =  0.0004 SQ. MI.


**********************************************************
ADD HYD               ID=61 HYDNO=301
                      ID=51 ID=52
PRINT HYD             ID=61 CODE=5

                                   HYDROGRAPH FROM AREA   301.00

     TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW          TIME      FLOW
      HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS           HRS       CFS
     0.000       0.0         4.999       0.1         9.999       0.1        14.998       0.1        19.998       0.1
     0.167       0.0         5.166       0.1        10.166       0.1        15.165       0.1        20.165       0.1
     0.333       0.0         5.333       0.1        10.332       0.1        15.332       0.1        20.331       0.1
     0.500       0.0         5.499       0.1        10.499       0.1        15.498       0.1        20.498       0.1
     0.667       0.0         5.666       0.1        10.666       0.1        15.665       0.1        20.665       0.1
     0.833       0.0         5.833       0.1        10.832       0.1        15.832       0.1        20.831       0.1
     1.000       0.0         5.999       0.1        10.999       0.1        15.998       0.1        20.998       0.1
     1.167       0.0         6.166       0.1        11.166       0.1        16.165       0.1        21.165       0.1
     1.333       2.4         6.333       0.1        11.332       0.1        16.332       0.1        21.331       0.1
```

1.500	12.8	6.499	0.1	11.499	0.1	16.498	0.1	21.498	0.1
1.667	9.1	6.666	0.1	11.665	0.1	16.665	0.1	21.665	0.1
1.833	5.2	6.833	0.1	11.832	0.1	16.832	0.1	21.831	0.1
2.000	3.5	6.999	0.1	11.999	0.1	16.998	0.1	21.998	0.1
2.166	2.0	7.166	0.1	12.165	0.1	17.165	0.1	22.164	0.1
2.333	1.0	7.333	0.1	12.332	0.1	17.332	0.1	22.331	0.0
2.500	0.6	7.499	0.1	12.499	0.1	17.498	0.1	22.498	0.0
2.666	0.4	7.666	0.1	12.665	0.1	17.665	0.1	22.664	0.0
2.833	0.3	7.833	0.1	12.832	0.1	17.832	0.1	22.831	0.0
3.000	0.2	7.999	0.1	12.999	0.1	17.998	0.1	22.998	0.0
3.166	0.2	8.166	0.1	13.165	0.1	18.165	0.1	23.164	0.0
3.333	0.1	8.332	0.1	13.332	0.1	18.331	0.1	23.331	0.0
3.500	0.1	8.499	0.1	13.499	0.1	18.498	0.1	23.498	0.0
3.666	0.1	8.666	0.1	13.665	0.1	18.665	0.1	23.664	0.0
3.833	0.1	8.832	0.1	13.832	0.1	18.831	0.1	23.831	0.0
4.000	0.1	8.999	0.1	13.999	0.1	18.998	0.1	23.998	0.0
4.166	0.1	9.166	0.1	14.165	0.1	19.165	0.1	24.164	0.0
4.333	0.1	9.332	0.1	14.332	0.1	19.331	0.1	24.331	0.0
4.500	0.1	9.499	0.1	14.499	0.1	19.498	0.1	24.498	0.0
4.666	0.1	9.666	0.1	14.665	0.1	19.665	0.1	24.664	0.0
4.833	0.1	9.832	0.1	14.832	0.1	19.831	0.1	24.831	0.0

RUNOFF VOLUME = 1.79023 INCHES = 0.6364 ACRE-FEET
PEAK DISCHARGE RATE = 13.65 CFS AT 1.533 HOURS BASIN AREA = 0.0067 SQ. MI.

```
ADD HYD              ID=62 HYDNO=302
                     ID=61 ID=53
PRINT HYD            ID=62 CODE=5
```

HYDROGRAPH FROM AREA 302.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	4.999	0.2	9.999	0.2	14.998	0.2	19.998	0.1
0.167	0.0	5.166	0.2	10.166	0.2	15.165	0.2	20.165	0.1
0.333	0.0	5.333	0.2	10.332	0.2	15.332	0.2	20.331	0.1
0.500	0.0	5.499	0.2	10.499	0.2	15.498	0.2	20.498	0.1
0.667	0.0	5.666	0.2	10.666	0.2	15.665	0.2	20.665	0.1
0.833	0.0	5.833	0.2	10.832	0.2	15.832	0.2	20.831	0.1
1.000	0.0	5.999	0.2	10.999	0.2	15.998	0.2	20.998	0.1

1.167	0.0	6.166	0.2	11.166	0.2	16.165	0.2	21.165	0.1
1.333	5.9	6.333	0.2	11.332	0.2	16.332	0.2	21.331	0.1
1.500	30.0	6.499	0.2	11.499	0.2	16.498	0.1	21.498	0.1
1.667	21.4	6.666	0.2	11.665	0.2	16.665	0.1	21.665	0.1
1.833	12.3	6.833	0.2	11.832	0.2	16.832	0.1	21.831	0.1
2.000	8.5	6.999	0.2	11.999	0.2	16.998	0.1	21.998	0.1
2.166	4.9	7.166	0.2	12.165	0.2	17.165	0.1	22.164	0.1
2.333	2.3	7.333	0.2	12.332	0.2	17.332	0.1	22.331	0.1
2.500	1.5	7.499	0.2	12.499	0.2	17.498	0.1	22.498	0.1
2.666	1.0	7.666	0.2	12.665	0.2	17.665	0.1	22.664	0.1
2.833	0.7	7.833	0.2	12.832	0.2	17.832	0.1	22.831	0.1
3.000	0.5	7.999	0.2	12.999	0.2	17.998	0.1	22.998	0.1
3.166	0.4	8.166	0.2	13.165	0.2	18.165	0.1	23.164	0.1
3.333	0.3	8.332	0.2	13.332	0.2	18.331	0.1	23.331	0.1
3.500	0.2	8.499	0.2	13.499	0.2	18.498	0.1	23.498	0.1
3.666	0.2	8.666	0.2	13.665	0.2	18.665	0.1	23.664	0.1
3.833	0.2	8.832	0.2	13.832	0.2	18.831	0.1	23.831	0.1
4.000	0.2	8.999	0.2	13.999	0.2	18.998	0.1	23.998	0.1
4.166	0.2	9.166	0.2	14.165	0.2	19.165	0.1	24.164	0.1
4.333	0.2	9.332	0.2	14.332	0.2	19.331	0.1	24.331	0.0
4.500	0.2	9.499	0.2	14.499	0.2	19.498	0.1	24.498	0.0
4.666	0.2	9.666	0.2	14.665	0.2	19.665	0.1	24.664	0.0
4.833	0.2	9.832	0.2	14.832	0.2	19.831	0.1	24.831	0.0

RUNOFF VOLUME = 1.87519 INCHES = 1.5126 ACRE-FEET
PEAK DISCHARGE RATE = 32.06 CFS AT 1.533 HOURS BASIN AREA = 0.0151 SQ. MI.

```
ADD HYD              ID=63 HYDNO=303
                     ID=62 ID=54
PRINT HYD            ID=63 CODE=5
```

HYDROGRAPH FROM AREA 303.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	4.999	0.2	9.999	0.2	14.998	0.2	19.998	0.1
0.167	0.0	5.166	0.2	10.166	0.2	15.165	0.2	20.165	0.1
0.333	0.0	5.333	0.2	10.332	0.2	15.332	0.2	20.331	0.1
0.500	0.0	5.499	0.2	10.499	0.2	15.498	0.2	20.498	0.1
0.667	0.0	5.666	0.2	10.666	0.2	15.665	0.2	20.665	0.1

0.833	0.0	5.833	0.2	10.832	0.2	15.832	0.2	20.831	0.1
1.000	0.0	5.999	0.2	10.999	0.2	15.998	0.2	20.998	0.1
1.167	0.0	6.166	0.2	11.166	0.2	16.165	0.2	21.165	0.1
1.333	6.0	6.333	0.2	11.332	0.2	16.332	0.2	21.331	0.1
1.500	30.6	6.499	0.2	11.499	0.2	16.498	0.1	21.498	0.1
1.667	21.9	6.666	0.2	11.665	0.2	16.665	0.1	21.665	0.1
1.833	12.5	6.833	0.2	11.832	0.2	16.832	0.1	21.831	0.1
2.000	8.6	6.999	0.2	11.999	0.2	16.998	0.1	21.998	0.1
2.166	4.9	7.166	0.2	12.165	0.2	17.165	0.1	22.164	0.1
2.333	2.3	7.333	0.2	12.332	0.2	17.332	0.1	22.331	0.1
2.500	1.5	7.499	0.2	12.499	0.2	17.498	0.1	22.498	0.1
2.666	1.0	7.666	0.2	12.665	0.2	17.665	0.1	22.664	0.1
2.833	0.7	7.833	0.2	12.832	0.2	17.832	0.1	22.831	0.1
3.000	0.5	7.999	0.2	12.999	0.2	17.998	0.1	22.998	0.1
3.166	0.4	8.166	0.2	13.165	0.2	18.165	0.1	23.164	0.1
3.333	0.3	8.332	0.2	13.332	0.2	18.331	0.1	23.331	0.1
3.500	0.2	8.499	0.2	13.499	0.2	18.498	0.1	23.498	0.1
3.666	0.2	8.666	0.2	13.665	0.2	18.665	0.1	23.664	0.1
3.833	0.2	8.832	0.2	13.832	0.2	18.831	0.1	23.831	0.1
4.000	0.2	8.999	0.2	13.999	0.2	18.998	0.1	23.998	0.1
4.166	0.2	9.166	0.2	14.165	0.2	19.165	0.1	24.164	0.1
4.333	0.2	9.332	0.2	14.332	0.2	19.331	0.1	24.331	0.0
4.500	0.2	9.499	0.2	14.499	0.2	19.498	0.1	24.498	0.0
4.666	0.2	9.666	0.2	14.665	0.2	19.665	0.1	24.664	0.0
4.833	0.2	9.832	0.2	14.832	0.2	19.831	0.1	24.831	0.0

RUNOFF VOLUME = 1.85044 INCHES = 1.5358 ACRE-FEET
PEAK DISCHARGE RATE = 32.76 CFS AT 1.533 HOURS BASIN AREA = 0.0156 SQ. MI.

****

ROUTE RESERVOIR ID=99 HYD=305 INFLOW ID=63 CODE=5

OUTFLOW (CFS)	STORAGE (AC-FT)	ELEV (FT)
0.00	0.0	5000
0.01	0.3233	5004.6
0.85	0.3788	5004.9
6.74	0.3932	5005
44.13	0.5685	5006

PRINT HYD ID=99 CODE=5

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

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
0.00	0.00	5000.00	0.000	0.00
0.17	0.00	5000.00	0.000	0.00
0.33	0.00	5000.00	0.000	0.00
0.50	0.00	5000.00	0.000	0.00
0.67	0.00	5000.00	0.000	0.00
0.83	0.00	5000.00	0.000	0.00
1.00	0.00	5000.00	0.000	0.00
1.17	0.03	5000.00	0.000	0.00
1.33	5.96	5000.37	0.026	0.00
1.50	30.64	5003.76	0.264	0.01
1.67	21.88	5005.45	0.472	23.57
1.83	12.50	5005.22	0.432	14.98
2.00	8.60	5005.08	0.408	9.81
2.17	4.91	5004.99	0.392	6.13
2.33	2.32	5004.93	0.383	2.60
2.50	1.48	5004.91	0.381	1.60
2.67	1.00	5004.90	0.379	1.07
2.83	0.69	5004.90	0.378	0.84
3.00	0.49	5004.88	0.375	0.79
3.17	0.36	5004.85	0.370	0.72
3.33	0.28	5004.83	0.365	0.65
3.50	0.23	5004.80	0.361	0.57
3.67	0.20	5004.78	0.356	0.51
3.83	0.18	5004.76	0.352	0.45
4.00	0.17	5004.74	0.349	0.39
4.17	0.16	5004.72	0.346	0.35
4.33	0.16	5004.71	0.343	0.31
4.50	0.16	5004.70	0.342	0.29
4.67	0.16	5004.69	0.340	0.26
4.83	0.16	5004.68	0.339	0.24
5.00	0.16	5004.68	0.338	0.23
5.17	0.17	5004.67	0.337	0.22
5.33	0.18	5004.67	0.336	0.21
5.50	0.18	5004.67	0.336	0.20
5.67	0.19	5004.67	0.336	0.20
5.83	0.19	5004.67	0.336	0.20
6.00	0.20	5004.67	0.336	0.20
6.17	0.23	5004.67	0.336	0.20
6.33	0.24	5004.67	0.336	0.21

6.50	0.25	5004.67	0.337	0.21
6.67	0.24	5004.67	0.337	0.22
6.83	0.24	5004.68	0.337	0.22
7.00	0.24	5004.68	0.338	0.23
7.17	0.24	5004.68	0.338	0.23
7.33	0.24	5004.68	0.338	0.23
7.50	0.23	5004.68	0.338	0.23
7.67	0.23	5004.68	0.338	0.23
7.83	0.23	5004.68	0.338	0.23
8.00	0.23	5004.68	0.338	0.23
8.17	0.22	5004.68	0.338	0.23
8.33	0.22	5004.68	0.338	0.23
8.50	0.22	5004.68	0.338	0.23
8.67	0.22	5004.68	0.337	0.22
8.83	0.21	5004.68	0.337	0.22
9.00	0.21	5004.68	0.337	0.22
9.17	0.21	5004.67	0.337	0.22

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
9.33	0.21	5004.67	0.337	0.22
9.50	0.21	5004.67	0.337	0.22
9.67	0.20	5004.67	0.337	0.21
9.83	0.20	5004.67	0.337	0.21
10.00	0.20	5004.67	0.337	0.21
10.17	0.20	5004.67	0.336	0.21
10.33	0.20	5004.67	0.336	0.21
10.50	0.19	5004.67	0.336	0.20
10.67	0.19	5004.67	0.336	0.20
10.83	0.19	5004.67	0.336	0.20
11.00	0.19	5004.67	0.336	0.20
11.17	0.19	5004.67	0.336	0.20
11.33	0.19	5004.67	0.336	0.20
11.50	0.19	5004.67	0.335	0.19
11.67	0.18	5004.67	0.335	0.19
11.83	0.18	5004.66	0.335	0.19
12.00	0.18	5004.66	0.335	0.19
12.17	0.18	5004.66	0.335	0.19
12.33	0.18	5004.66	0.335	0.19
12.50	0.18	5004.66	0.335	0.18
12.67	0.18	5004.66	0.335	0.18
12.83	0.17	5004.66	0.335	0.18

13.00	0.17	5004.66	0.335	0.18
13.17	0.17	5004.66	0.334	0.18
13.33	0.17	5004.66	0.334	0.18
13.50	0.17	5004.66	0.334	0.18
13.67	0.17	5004.66	0.334	0.17
13.83	0.17	5004.66	0.334	0.17
14.00	0.16	5004.66	0.334	0.17
14.17	0.16	5004.66	0.334	0.17
14.33	0.16	5004.66	0.334	0.17
14.50	0.16	5004.66	0.334	0.17
14.67	0.16	5004.66	0.334	0.17
14.83	0.16	5004.66	0.334	0.17
15.00	0.16	5004.66	0.333	0.16
15.17	0.16	5004.65	0.333	0.16
15.33	0.16	5004.65	0.333	0.16
15.50	0.16	5004.65	0.333	0.16
15.67	0.16	5004.65	0.333	0.16
15.83	0.15	5004.65	0.333	0.16
16.00	0.15	5004.65	0.333	0.16
16.17	0.15	5004.65	0.333	0.16
16.33	0.15	5004.65	0.333	0.16
16.50	0.15	5004.65	0.333	0.15
16.67	0.15	5004.65	0.333	0.15
16.83	0.15	5004.65	0.333	0.15
17.00	0.15	5004.65	0.333	0.15
17.16	0.15	5004.65	0.333	0.15
17.33	0.14	5004.65	0.332	0.15
17.50	0.14	5004.65	0.332	0.15
17.66	0.14	5004.65	0.332	0.15
17.83	0.14	5004.65	0.332	0.15
18.00	0.14	5004.65	0.332	0.15
18.16	0.14	5004.65	0.332	0.14
18.33	0.14	5004.65	0.332	0.14
18.50	0.14	5004.65	0.332	0.14

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
18.66	0.14	5004.65	0.332	0.14
18.83	0.14	5004.65	0.332	0.14
19.00	0.14	5004.65	0.332	0.14
19.16	0.14	5004.65	0.332	0.14
19.33	0.13	5004.65	0.332	0.14

19.50	0.13	5004.65	0.332	0.14
19.66	0.13	5004.65	0.332	0.14
19.83	0.13	5004.65	0.332	0.14
20.00	0.13	5004.64	0.332	0.13
20.16	0.13	5004.64	0.332	0.13
20.33	0.13	5004.64	0.331	0.13
20.50	0.13	5004.64	0.331	0.13
20.66	0.13	5004.64	0.331	0.13
20.83	0.13	5004.64	0.331	0.13
21.00	0.13	5004.64	0.331	0.13
21.16	0.13	5004.64	0.331	0.13
21.33	0.13	5004.64	0.331	0.13
21.50	0.12	5004.64	0.331	0.13
21.66	0.12	5004.64	0.331	0.13
21.83	0.12	5004.64	0.331	0.13
22.00	0.12	5004.64	0.331	0.13
22.16	0.12	5004.64	0.331	0.13
22.33	0.12	5004.64	0.331	0.12
22.50	0.12	5004.64	0.331	0.12
22.66	0.12	5004.64	0.331	0.12
22.83	0.12	5004.64	0.331	0.12
23.00	0.12	5004.64	0.331	0.12
23.16	0.12	5004.64	0.331	0.12
23.33	0.12	5004.64	0.331	0.12
23.50	0.12	5004.64	0.331	0.12
23.66	0.12	5004.64	0.331	0.12
23.83	0.12	5004.64	0.331	0.12
24.00	0.12	5004.64	0.330	0.12
24.16	0.07	5004.64	0.330	0.12
24.33	0.02	5004.63	0.329	0.10
24.50	0.01	5004.63	0.328	0.08
24.66	0.01	5004.62	0.327	0.07
24.83	0.00	5004.62	0.326	0.06
25.00	0.00	5004.61	0.326	0.05
25.16	0.00	5004.61	0.325	0.04
25.33	0.00	5004.61	0.325	0.03
25.50	0.00	5004.61	0.324	0.03
25.66	0.00	5004.60	0.324	0.02
25.83	0.00	5004.60	0.324	0.02
26.00	0.00	5004.60	0.324	0.01
26.16	0.00	5004.60	0.323	0.01
26.33	0.00	5004.60	0.323	0.01
26.50	0.00	5004.60	0.323	0.01

26.66	0.00	5004.60	0.323	0.01
26.83	0.00	5004.59	0.323	0.01
27.00	0.00	5004.59	0.323	0.01
27.16	0.00	5004.59	0.323	0.01
27.33	0.00	5004.59	0.322	0.01
27.50	0.00	5004.59	0.322	0.01
27.66	0.00	5004.58	0.322	0.01
27.83	0.00	5004.58	0.322	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
28.00	0.00	5004.58	0.322	0.01
28.16	0.00	5004.58	0.322	0.01
28.33	0.00	5004.58	0.322	0.01
28.50	0.00	5004.57	0.321	0.01
28.66	0.00	5004.57	0.321	0.01
28.83	0.00	5004.57	0.321	0.01
29.00	0.00	5004.57	0.321	0.01
29.16	0.00	5004.57	0.321	0.01
29.33	0.00	5004.56	0.321	0.01
29.50	0.00	5004.56	0.321	0.01
29.66	0.00	5004.56	0.320	0.01
29.83	0.00	5004.56	0.320	0.01
30.00	0.00	5004.56	0.320	0.01
30.16	0.00	5004.55	0.320	0.01
30.33	0.00	5004.55	0.320	0.01
30.50	0.00	5004.55	0.320	0.01
30.66	0.00	5004.55	0.320	0.01
30.83	0.00	5004.55	0.320	0.01
31.00	0.00	5004.54	0.319	0.01
31.16	0.00	5004.54	0.319	0.01
31.33	0.00	5004.54	0.319	0.01
31.50	0.00	5004.54	0.319	0.01
31.66	0.00	5004.54	0.319	0.01
31.83	0.00	5004.53	0.319	0.01
32.00	0.00	5004.53	0.319	0.01
32.16	0.00	5004.53	0.318	0.01
32.33	0.00	5004.53	0.318	0.01
32.50	0.00	5004.53	0.318	0.01
32.66	0.00	5004.52	0.318	0.01
32.83	0.00	5004.52	0.318	0.01
33.00	0.00	5004.52	0.318	0.01

33.16	0.00	5004.52	0.318	0.01
33.33	0.00	5004.52	0.317	0.01
33.50	0.00	5004.52	0.317	0.01
33.66	0.00	5004.51	0.317	0.01
33.83	0.00	5004.51	0.317	0.01
34.00	0.00	5004.51	0.317	0.01
34.16	0.00	5004.51	0.317	0.01
34.33	0.00	5004.51	0.317	0.01
34.50	0.00	5004.50	0.317	0.01
34.66	0.00	5004.50	0.316	0.01
34.83	0.00	5004.50	0.316	0.01
35.00	0.00	5004.50	0.316	0.01
35.16	0.00	5004.50	0.316	0.01
35.33	0.00	5004.49	0.316	0.01
35.50	0.00	5004.49	0.316	0.01
35.66	0.00	5004.49	0.316	0.01
35.83	0.00	5004.49	0.315	0.01
36.00	0.00	5004.49	0.315	0.01
36.16	0.00	5004.48	0.315	0.01
36.33	0.00	5004.48	0.315	0.01
36.50	0.00	5004.48	0.315	0.01
36.66	0.00	5004.48	0.315	0.01
36.83	0.00	5004.48	0.315	0.01
37.00	0.00	5004.48	0.315	0.01
37.16	0.00	5004.47	0.314	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
37.33	0.00	5004.47	0.314	0.01
37.50	0.00	5004.47	0.314	0.01
37.66	0.00	5004.47	0.314	0.01
37.83	0.00	5004.47	0.314	0.01
38.00	0.00	5004.46	0.314	0.01
38.16	0.00	5004.46	0.314	0.01
38.33	0.00	5004.46	0.313	0.01
38.50	0.00	5004.46	0.313	0.01
38.66	0.00	5004.46	0.313	0.01
38.83	0.00	5004.45	0.313	0.01
39.00	0.00	5004.45	0.313	0.01
39.16	0.00	5004.45	0.313	0.01
39.33	0.00	5004.45	0.313	0.01
39.50	0.00	5004.45	0.313	0.01

39.66	0.00	5004.44	0.312	0.01
39.83	0.00	5004.44	0.312	0.01
40.00	0.00	5004.44	0.312	0.01
40.16	0.00	5004.44	0.312	0.01
40.33	0.00	5004.44	0.312	0.01
40.50	0.00	5004.44	0.312	0.01
40.66	0.00	5004.43	0.312	0.01
40.83	0.00	5004.43	0.311	0.01
41.00	0.00	5004.43	0.311	0.01
41.16	0.00	5004.43	0.311	0.01
41.33	0.00	5004.43	0.311	0.01
41.50	0.00	5004.42	0.311	0.01
41.66	0.00	5004.42	0.311	0.01
41.83	0.00	5004.42	0.311	0.01
42.00	0.00	5004.42	0.311	0.01
42.16	0.00	5004.42	0.310	0.01
42.33	0.00	5004.41	0.310	0.01
42.50	0.00	5004.41	0.310	0.01
42.66	0.00	5004.41	0.310	0.01
42.83	0.00	5004.41	0.310	0.01
43.00	0.00	5004.41	0.310	0.01
43.16	0.00	5004.41	0.310	0.01
43.33	0.00	5004.40	0.309	0.01
43.50	0.00	5004.40	0.309	0.01
43.66	0.00	5004.40	0.309	0.01
43.83	0.00	5004.40	0.309	0.01
44.00	0.00	5004.40	0.309	0.01
44.16	0.00	5004.39	0.309	0.01
44.33	0.00	5004.39	0.309	0.01
44.50	0.00	5004.39	0.309	0.01
44.66	0.00	5004.39	0.308	0.01
44.83	0.00	5004.39	0.308	0.01
45.00	0.00	5004.38	0.308	0.01
45.16	0.00	5004.38	0.308	0.01
45.33	0.00	5004.38	0.308	0.01
45.50	0.00	5004.38	0.308	0.01
45.66	0.00	5004.38	0.308	0.01
45.83	0.00	5004.38	0.308	0.01
46.00	0.00	5004.37	0.307	0.01
46.16	0.00	5004.37	0.307	0.01
46.33	0.00	5004.37	0.307	0.01
46.50	0.00	5004.37	0.307	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
46.66	0.00	5004.37	0.307	0.01
46.83	0.00	5004.36	0.307	0.01
47.00	0.00	5004.36	0.307	0.01
47.16	0.00	5004.36	0.306	0.01
47.33	0.00	5004.36	0.306	0.01
47.50	0.00	5004.36	0.306	0.01
47.66	0.00	5004.35	0.306	0.01
47.83	0.00	5004.35	0.306	0.01
48.00	0.00	5004.35	0.306	0.01
48.16	0.00	5004.35	0.306	0.01
48.33	0.00	5004.35	0.306	0.01
48.50	0.00	5004.35	0.305	0.01
48.66	0.00	5004.34	0.305	0.01
48.83	0.00	5004.34	0.305	0.01
49.00	0.00	5004.34	0.305	0.01
49.16	0.00	5004.34	0.305	0.01
49.33	0.00	5004.34	0.305	0.01
49.50	0.00	5004.33	0.305	0.01
49.66	0.00	5004.33	0.305	0.01
49.83	0.00	5004.33	0.304	0.01
50.00	0.00	5004.33	0.304	0.01
50.16	0.00	5004.33	0.304	0.01
50.33	0.00	5004.33	0.304	0.01
50.49	0.00	5004.32	0.304	0.01
50.66	0.00	5004.32	0.304	0.01
50.83	0.00	5004.32	0.304	0.01
50.99	0.00	5004.32	0.303	0.01
51.16	0.00	5004.32	0.303	0.01
51.33	0.00	5004.31	0.303	0.01
51.49	0.00	5004.31	0.303	0.01
51.66	0.00	5004.31	0.303	0.01
51.83	0.00	5004.31	0.303	0.01
51.99	0.00	5004.31	0.303	0.01
52.16	0.00	5004.31	0.303	0.01
52.33	0.00	5004.30	0.302	0.01
52.49	0.00	5004.30	0.302	0.01
52.66	0.00	5004.30	0.302	0.01
52.83	0.00	5004.30	0.302	0.01
52.99	0.00	5004.30	0.302	0.01
53.16	0.00	5004.29	0.302	0.01

53.33	0.00	5004.29	0.302	0.01
53.49	0.00	5004.29	0.302	0.01
53.66	0.00	5004.29	0.301	0.01
53.83	0.00	5004.29	0.301	0.01
53.99	0.00	5004.29	0.301	0.01
54.16	0.00	5004.28	0.301	0.01
54.33	0.00	5004.28	0.301	0.01
54.49	0.00	5004.28	0.301	0.01
54.66	0.00	5004.28	0.301	0.01
54.83	0.00	5004.28	0.301	0.01
54.99	0.00	5004.27	0.300	0.01
55.16	0.00	5004.27	0.300	0.01
55.33	0.00	5004.27	0.300	0.01
55.49	0.00	5004.27	0.300	0.01
55.66	0.00	5004.27	0.300	0.01
55.83	0.00	5004.27	0.300	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
55.99	0.00	5004.26	0.300	0.01
56.16	0.00	5004.26	0.299	0.01
56.33	0.00	5004.26	0.299	0.01
56.49	0.00	5004.26	0.299	0.01
56.66	0.00	5004.26	0.299	0.01
56.83	0.00	5004.25	0.299	0.01
56.99	0.00	5004.25	0.299	0.01
57.16	0.00	5004.25	0.299	0.01
57.33	0.00	5004.25	0.299	0.01
57.49	0.00	5004.25	0.298	0.01
57.66	0.00	5004.25	0.298	0.01
57.83	0.00	5004.24	0.298	0.01
57.99	0.00	5004.24	0.298	0.01
58.16	0.00	5004.24	0.298	0.01
58.33	0.00	5004.24	0.298	0.01
58.49	0.00	5004.24	0.298	0.01
58.66	0.00	5004.23	0.298	0.01
58.83	0.00	5004.23	0.297	0.01
58.99	0.00	5004.23	0.297	0.01
59.16	0.00	5004.23	0.297	0.01
59.33	0.00	5004.23	0.297	0.01
59.49	0.00	5004.23	0.297	0.01
59.66	0.00	5004.22	0.297	0.01

59.83	0.00	5004.22	0.297	0.01
59.99	0.00	5004.22	0.297	0.01
60.16	0.00	5004.22	0.296	0.01
60.33	0.00	5004.22	0.296	0.01
60.49	0.00	5004.21	0.296	0.01
60.66	0.00	5004.21	0.296	0.01
60.83	0.00	5004.21	0.296	0.01
60.99	0.00	5004.21	0.296	0.01
61.16	0.00	5004.21	0.296	0.01
61.33	0.00	5004.21	0.296	0.01
61.49	0.00	5004.20	0.295	0.01
61.66	0.00	5004.20	0.295	0.01
61.83	0.00	5004.20	0.295	0.01
61.99	0.00	5004.20	0.295	0.01
62.16	0.00	5004.20	0.295	0.01
62.33	0.00	5004.19	0.295	0.01
62.49	0.00	5004.19	0.295	0.01
62.66	0.00	5004.19	0.295	0.01
62.83	0.00	5004.19	0.294	0.01
62.99	0.00	5004.19	0.294	0.01
63.16	0.00	5004.19	0.294	0.01
63.33	0.00	5004.18	0.294	0.01
63.49	0.00	5004.18	0.294	0.01
63.66	0.00	5004.18	0.294	0.01
63.83	0.00	5004.18	0.294	0.01
63.99	0.00	5004.18	0.294	0.01
64.16	0.00	5004.17	0.293	0.01
64.33	0.00	5004.17	0.293	0.01
64.49	0.00	5004.17	0.293	0.01
64.66	0.00	5004.17	0.293	0.01
64.83	0.00	5004.17	0.293	0.01
64.99	0.00	5004.17	0.293	0.01
65.16	0.00	5004.16	0.293	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
65.33	0.00	5004.16	0.293	0.01
65.49	0.00	5004.16	0.292	0.01
65.66	0.00	5004.16	0.292	0.01
65.83	0.00	5004.16	0.292	0.01
65.99	0.00	5004.16	0.292	0.01
66.16	0.00	5004.15	0.292	0.01

66.33	0.00	5004.15	0.292	0.01
66.49	0.00	5004.15	0.292	0.01
66.66	0.00	5004.15	0.292	0.01
66.83	0.00	5004.15	0.291	0.01
66.99	0.00	5004.15	0.291	0.01
67.16	0.00	5004.14	0.291	0.01
67.33	0.00	5004.14	0.291	0.01
67.49	0.00	5004.14	0.291	0.01
67.66	0.00	5004.14	0.291	0.01
67.83	0.00	5004.14	0.291	0.01
67.99	0.00	5004.13	0.291	0.01
68.16	0.00	5004.13	0.290	0.01
68.33	0.00	5004.13	0.290	0.01
68.49	0.00	5004.13	0.290	0.01
68.66	0.00	5004.13	0.290	0.01
68.83	0.00	5004.13	0.290	0.01
68.99	0.00	5004.12	0.290	0.01
69.16	0.00	5004.12	0.290	0.01
69.33	0.00	5004.12	0.290	0.01
69.49	0.00	5004.12	0.289	0.01
69.66	0.00	5004.12	0.289	0.01
69.83	0.00	5004.11	0.289	0.01
69.99	0.00	5004.11	0.289	0.01
70.16	0.00	5004.11	0.289	0.01
70.33	0.00	5004.11	0.289	0.01
70.49	0.00	5004.11	0.289	0.01
70.66	0.00	5004.11	0.289	0.01
70.83	0.00	5004.10	0.288	0.01
70.99	0.00	5004.10	0.288	0.01
71.16	0.00	5004.10	0.288	0.01
71.33	0.00	5004.10	0.288	0.01
71.49	0.00	5004.10	0.288	0.01
71.66	0.00	5004.10	0.288	0.01
71.83	0.00	5004.09	0.288	0.01
71.99	0.00	5004.09	0.288	0.01
72.16	0.00	5004.09	0.287	0.01
72.33	0.00	5004.09	0.287	0.01
72.49	0.00	5004.09	0.287	0.01
72.66	0.00	5004.09	0.287	0.01
72.83	0.00	5004.08	0.287	0.01
72.99	0.00	5004.08	0.287	0.01
73.16	0.00	5004.08	0.287	0.01
73.33	0.00	5004.08	0.287	0.01

73.49	0.00	5004.08	0.287	0.01
73.66	0.00	5004.07	0.286	0.01
73.83	0.00	5004.07	0.286	0.01
73.99	0.00	5004.07	0.286	0.01
74.16	0.00	5004.07	0.286	0.01
74.33	0.00	5004.07	0.286	0.01
74.49	0.00	5004.07	0.286	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
74.66	0.00	5004.06	0.286	0.01
74.83	0.00	5004.06	0.286	0.01
74.99	0.00	5004.06	0.285	0.01
75.16	0.00	5004.06	0.285	0.01
75.33	0.00	5004.06	0.285	0.01
75.49	0.00	5004.06	0.285	0.01
75.66	0.00	5004.05	0.285	0.01
75.83	0.00	5004.05	0.285	0.01
75.99	0.00	5004.05	0.285	0.01
76.16	0.00	5004.05	0.285	0.01
76.33	0.00	5004.05	0.284	0.01
76.49	0.00	5004.05	0.284	0.01
76.66	0.00	5004.04	0.284	0.01
76.83	0.00	5004.04	0.284	0.01
76.99	0.00	5004.04	0.284	0.01
77.16	0.00	5004.04	0.284	0.01
77.33	0.00	5004.04	0.284	0.01
77.49	0.00	5004.04	0.284	0.01
77.66	0.00	5004.03	0.283	0.01
77.83	0.00	5004.03	0.283	0.01
77.99	0.00	5004.03	0.283	0.01
78.16	0.00	5004.03	0.283	0.01
78.33	0.00	5004.03	0.283	0.01
78.49	0.00	5004.02	0.283	0.01
78.66	0.00	5004.02	0.283	0.01
78.83	0.00	5004.02	0.283	0.01
78.99	0.00	5004.02	0.283	0.01
79.16	0.00	5004.02	0.282	0.01
79.33	0.00	5004.02	0.282	0.01
79.49	0.00	5004.01	0.282	0.01
79.66	0.00	5004.01	0.282	0.01
79.83	0.00	5004.01	0.282	0.01

79.99	0.00	5004.01	0.282	0.01
80.16	0.00	5004.01	0.282	0.01
80.33	0.00	5004.01	0.282	0.01
80.49	0.00	5004.00	0.281	0.01
80.66	0.00	5004.00	0.281	0.01
80.83	0.00	5004.00	0.281	0.01
80.99	0.00	5004.00	0.281	0.01
81.16	0.00	5004.00	0.281	0.01
81.33	0.00	5004.00	0.281	0.01
81.49	0.00	5003.99	0.281	0.01
81.66	0.00	5003.99	0.281	0.01
81.83	0.00	5003.99	0.280	0.01
81.99	0.00	5003.99	0.280	0.01
82.16	0.00	5003.99	0.280	0.01
82.33	0.00	5003.99	0.280	0.01
82.49	0.00	5003.98	0.280	0.01
82.66	0.00	5003.98	0.280	0.01
82.83	0.00	5003.98	0.280	0.01
82.99	0.00	5003.98	0.280	0.01
83.16	0.00	5003.98	0.280	0.01
83.33	0.00	5003.98	0.279	0.01
83.49	0.00	5003.97	0.279	0.01
83.66	0.00	5003.97	0.279	0.01
83.82	0.00	5003.97	0.279	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
83.99	0.00	5003.97	0.279	0.01
84.16	0.00	5003.97	0.279	0.01
84.32	0.00	5003.97	0.279	0.01
84.49	0.00	5003.96	0.279	0.01
84.66	0.00	5003.96	0.278	0.01
84.82	0.00	5003.96	0.278	0.01
84.99	0.00	5003.96	0.278	0.01
85.16	0.00	5003.96	0.278	0.01
85.32	0.00	5003.96	0.278	0.01
85.49	0.00	5003.95	0.278	0.01
85.66	0.00	5003.95	0.278	0.01
85.82	0.00	5003.95	0.278	0.01
85.99	0.00	5003.95	0.277	0.01
86.16	0.00	5003.95	0.277	0.01
86.32	0.00	5003.94	0.277	0.01

86.49	0.00	5003.94	0.277	0.01
86.66	0.00	5003.94	0.277	0.01
86.82	0.00	5003.94	0.277	0.01
86.99	0.00	5003.94	0.277	0.01
87.16	0.00	5003.94	0.277	0.01
87.32	0.00	5003.94	0.277	0.01
87.49	0.00	5003.93	0.276	0.01
87.66	0.00	5003.93	0.276	0.01
87.82	0.00	5003.93	0.276	0.01
87.99	0.00	5003.93	0.276	0.01
88.16	0.00	5003.93	0.276	0.01
88.32	0.00	5003.92	0.276	0.01
88.49	0.00	5003.92	0.276	0.01
88.66	0.00	5003.92	0.276	0.01
88.82	0.00	5003.92	0.275	0.01
88.99	0.00	5003.92	0.275	0.01
89.16	0.00	5003.92	0.275	0.01
89.32	0.00	5003.92	0.275	0.01
89.49	0.00	5003.91	0.275	0.01
89.66	0.00	5003.91	0.275	0.01
89.82	0.00	5003.91	0.275	0.01
89.99	0.00	5003.91	0.275	0.01
90.16	0.00	5003.91	0.275	0.01
90.32	0.00	5003.90	0.274	0.01
90.49	0.00	5003.90	0.274	0.01
90.66	0.00	5003.90	0.274	0.01
90.82	0.00	5003.90	0.274	0.01
90.99	0.00	5003.90	0.274	0.01
91.16	0.00	5003.90	0.274	0.01
91.32	0.00	5003.90	0.274	0.01
91.49	0.00	5003.89	0.274	0.01
91.66	0.00	5003.89	0.274	0.01
91.82	0.00	5003.89	0.273	0.01
91.99	0.00	5003.89	0.273	0.01
92.16	0.00	5003.89	0.273	0.01
92.32	0.00	5003.88	0.273	0.01
92.49	0.00	5003.88	0.273	0.01
92.66	0.00	5003.88	0.273	0.01
92.82	0.00	5003.88	0.273	0.01
92.99	0.00	5003.88	0.273	0.01
93.16	0.00	5003.88	0.272	0.01

TIME	INFLOW	ELEV	VOLUME	OUTFLOW

(HRS)	(CFS)	(FEET)	(AC-FT)	(CFS)
93.32	0.00	5003.88	0.272	0.01
93.49	0.00	5003.87	0.272	0.01
93.66	0.00	5003.87	0.272	0.01
93.82	0.00	5003.87	0.272	0.01
93.99	0.00	5003.87	0.272	0.01
94.16	0.00	5003.87	0.272	0.01
94.32	0.00	5003.87	0.272	0.01
94.49	0.00	5003.86	0.272	0.01
94.66	0.00	5003.86	0.271	0.01
94.82	0.00	5003.86	0.271	0.01
94.99	0.00	5003.86	0.271	0.01
95.16	0.00	5003.86	0.271	0.01
95.32	0.00	5003.86	0.271	0.01
95.49	0.00	5003.85	0.271	0.01
95.66	0.00	5003.85	0.271	0.01
95.82	0.00	5003.85	0.271	0.01
95.99	0.00	5003.85	0.270	0.01
96.16	0.00	5003.85	0.270	0.01
96.32	0.00	5003.85	0.270	0.01
96.49	0.00	5003.84	0.270	0.01
96.66	0.00	5003.84	0.270	0.01
96.82	0.00	5003.84	0.270	0.01
96.99	0.00	5003.84	0.270	0.01
97.16	0.00	5003.84	0.270	0.01
97.32	0.00	5003.84	0.270	0.01
97.49	0.00	5003.83	0.269	0.01
97.66	0.00	5003.83	0.269	0.01
97.82	0.00	5003.83	0.269	0.01
97.99	0.00	5003.83	0.269	0.01
98.16	0.00	5003.83	0.269	0.01
98.32	0.00	5003.83	0.269	0.01
98.49	0.00	5003.82	0.269	0.01
98.66	0.00	5003.82	0.269	0.01
98.82	0.00	5003.82	0.269	0.01
98.99	0.00	5003.82	0.268	0.01
99.16	0.00	5003.82	0.268	0.01
99.32	0.00	5003.82	0.268	0.01
99.49	0.00	5003.81	0.268	0.01
99.66	0.00	5003.81	0.268	0.01
99.82	0.00	5003.81	0.268	0.01
99.99	0.00	5003.81	0.268	0.01

100.16	0.00	5003.81	0.268	0.01
100.32	0.00	5003.81	0.268	0.01
100.49	0.00	5003.80	0.267	0.01
100.66	0.00	5003.80	0.267	0.01
100.82	0.00	5003.80	0.267	0.01
100.99	0.00	5003.80	0.267	0.01
101.16	0.00	5003.80	0.267	0.01
101.32	0.00	5003.80	0.267	0.01
101.49	0.00	5003.79	0.267	0.01
101.66	0.00	5003.79	0.267	0.01
101.82	0.00	5003.79	0.266	0.01
101.99	0.00	5003.79	0.266	0.01
102.16	0.00	5003.79	0.266	0.01
102.32	0.00	5003.79	0.266	0.01
102.49	0.00	5003.79	0.266	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
102.66	0.00	5003.78	0.266	0.01
102.82	0.00	5003.78	0.266	0.01
102.99	0.00	5003.78	0.266	0.01
103.16	0.00	5003.78	0.266	0.01
103.32	0.00	5003.78	0.265	0.01
103.49	0.00	5003.78	0.265	0.01
103.66	0.00	5003.77	0.265	0.01
103.82	0.00	5003.77	0.265	0.01
103.99	0.00	5003.77	0.265	0.01
104.16	0.00	5003.77	0.265	0.01
104.32	0.00	5003.77	0.265	0.01
104.49	0.00	5003.77	0.265	0.01
104.66	0.00	5003.76	0.265	0.01
104.82	0.00	5003.76	0.264	0.01
104.99	0.00	5003.76	0.264	0.01
105.16	0.00	5003.76	0.264	0.01
105.32	0.00	5003.76	0.264	0.01
105.49	0.00	5003.76	0.264	0.01
105.66	0.00	5003.75	0.264	0.01
105.82	0.00	5003.75	0.264	0.01
105.99	0.00	5003.75	0.264	0.01
106.16	0.00	5003.75	0.264	0.01
106.32	0.00	5003.75	0.263	0.01
106.49	0.00	5003.75	0.263	0.01

106.66	0.00	5003.75	0.263	0.01
106.82	0.00	5003.74	0.263	0.01
106.99	0.00	5003.74	0.263	0.01
107.16	0.00	5003.74	0.263	0.01
107.32	0.00	5003.74	0.263	0.01
107.49	0.00	5003.74	0.263	0.01
107.66	0.00	5003.74	0.263	0.01
107.82	0.00	5003.73	0.262	0.01
107.99	0.00	5003.73	0.262	0.01
108.16	0.00	5003.73	0.262	0.01
108.32	0.00	5003.73	0.262	0.01
108.49	0.00	5003.73	0.262	0.01
108.66	0.00	5003.73	0.262	0.01
108.82	0.00	5003.72	0.262	0.01
108.99	0.00	5003.72	0.262	0.01
109.16	0.00	5003.72	0.262	0.01
109.32	0.00	5003.72	0.261	0.01
109.49	0.00	5003.72	0.261	0.01
109.66	0.00	5003.72	0.261	0.01
109.82	0.00	5003.71	0.261	0.01
109.99	0.00	5003.71	0.261	0.01
110.16	0.00	5003.71	0.261	0.01
110.32	0.00	5003.71	0.261	0.01
110.49	0.00	5003.71	0.261	0.01
110.66	0.00	5003.71	0.261	0.01
110.82	0.00	5003.71	0.260	0.01
110.99	0.00	5003.70	0.260	0.01
111.16	0.00	5003.70	0.260	0.01
111.32	0.00	5003.70	0.260	0.01
111.49	0.00	5003.70	0.260	0.01
111.66	0.00	5003.70	0.260	0.01
111.82	0.00	5003.70	0.260	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
111.99	0.00	5003.69	0.260	0.01
112.16	0.00	5003.69	0.260	0.01
112.32	0.00	5003.69	0.259	0.01
112.49	0.00	5003.69	0.259	0.01
112.66	0.00	5003.69	0.259	0.01
112.82	0.00	5003.69	0.259	0.01
112.99	0.00	5003.69	0.259	0.01

113.16	0.00	5003.68	0.259	0.01
113.32	0.00	5003.68	0.259	0.01
113.49	0.00	5003.68	0.259	0.01
113.66	0.00	5003.68	0.259	0.01
113.82	0.00	5003.68	0.258	0.01
113.99	0.00	5003.68	0.258	0.01
114.16	0.00	5003.67	0.258	0.01
114.32	0.00	5003.67	0.258	0.01
114.49	0.00	5003.67	0.258	0.01
114.66	0.00	5003.67	0.258	0.01
114.82	0.00	5003.67	0.258	0.01
114.99	0.00	5003.67	0.258	0.01
115.16	0.00	5003.66	0.258	0.01
115.32	0.00	5003.66	0.257	0.01
115.49	0.00	5003.66	0.257	0.01
115.66	0.00	5003.66	0.257	0.01
115.82	0.00	5003.66	0.257	0.01
115.99	0.00	5003.66	0.257	0.01
116.16	0.00	5003.66	0.257	0.01
116.32	0.00	5003.65	0.257	0.01
116.49	0.00	5003.65	0.257	0.01
116.66	0.00	5003.65	0.257	0.01
116.82	0.00	5003.65	0.256	0.01
116.99	0.00	5003.65	0.256	0.01
117.15	0.00	5003.65	0.256	0.01
117.32	0.00	5003.64	0.256	0.01
117.49	0.00	5003.64	0.256	0.01
117.65	0.00	5003.64	0.256	0.01
117.82	0.00	5003.64	0.256	0.01
117.99	0.00	5003.64	0.256	0.01
118.15	0.00	5003.64	0.256	0.01
118.32	0.00	5003.64	0.255	0.01
118.49	0.00	5003.63	0.255	0.01
118.65	0.00	5003.63	0.255	0.01
118.82	0.00	5003.63	0.255	0.01
118.99	0.00	5003.63	0.255	0.01
119.15	0.00	5003.63	0.255	0.01
119.32	0.00	5003.63	0.255	0.01
119.49	0.00	5003.62	0.255	0.01
119.65	0.00	5003.62	0.255	0.01
119.82	0.00	5003.62	0.255	0.01
119.99	0.00	5003.62	0.254	0.01
120.15	0.00	5003.62	0.254	0.01

120.32	0.00	5003.62	0.254	0.01
120.49	0.00	5003.62	0.254	0.01
120.65	0.00	5003.61	0.254	0.01
120.82	0.00	5003.61	0.254	0.01
120.99	0.00	5003.61	0.254	0.01
121.15	0.00	5003.61	0.254	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
121.32	0.00	5003.61	0.254	0.01
121.49	0.00	5003.61	0.253	0.01
121.65	0.00	5003.60	0.253	0.01
121.82	0.00	5003.60	0.253	0.01
121.99	0.00	5003.60	0.253	0.01
122.15	0.00	5003.60	0.253	0.01
122.32	0.00	5003.60	0.253	0.01
122.49	0.00	5003.60	0.253	0.01
122.65	0.00	5003.60	0.253	0.01
122.82	0.00	5003.59	0.253	0.01
122.99	0.00	5003.59	0.252	0.01
123.15	0.00	5003.59	0.252	0.01
123.32	0.00	5003.59	0.252	0.01
123.49	0.00	5003.59	0.252	0.01
123.65	0.00	5003.59	0.252	0.01
123.82	0.00	5003.58	0.252	0.01
123.99	0.00	5003.58	0.252	0.01
124.15	0.00	5003.58	0.252	0.01
124.32	0.00	5003.58	0.252	0.01
124.49	0.00	5003.58	0.251	0.01
124.65	0.00	5003.58	0.251	0.01
124.82	0.00	5003.58	0.251	0.01
124.99	0.00	5003.57	0.251	0.01
125.15	0.00	5003.57	0.251	0.01
125.32	0.00	5003.57	0.251	0.01
125.49	0.00	5003.57	0.251	0.01
125.65	0.00	5003.57	0.251	0.01
125.82	0.00	5003.57	0.251	0.01
125.99	0.00	5003.56	0.251	0.01
126.15	0.00	5003.56	0.250	0.01
126.32	0.00	5003.56	0.250	0.01
126.49	0.00	5003.56	0.250	0.01
126.65	0.00	5003.56	0.250	0.01

126.82	0.00	5003.56	0.250	0.01
126.99	0.00	5003.56	0.250	0.01
127.15	0.00	5003.55	0.250	0.01
127.32	0.00	5003.55	0.250	0.01
127.49	0.00	5003.55	0.250	0.01
127.65	0.00	5003.55	0.249	0.01
127.82	0.00	5003.55	0.249	0.01
127.99	0.00	5003.55	0.249	0.01
128.15	0.00	5003.54	0.249	0.01
128.32	0.00	5003.54	0.249	0.01
128.49	0.00	5003.54	0.249	0.01
128.65	0.00	5003.54	0.249	0.01
128.82	0.00	5003.54	0.249	0.01
128.99	0.00	5003.54	0.249	0.01
129.15	0.00	5003.54	0.249	0.01
129.32	0.00	5003.53	0.248	0.01
129.49	0.00	5003.53	0.248	0.01
129.65	0.00	5003.53	0.248	0.01
129.82	0.00	5003.53	0.248	0.01
129.99	0.00	5003.53	0.248	0.01
130.15	0.00	5003.53	0.248	0.01
130.32	0.00	5003.53	0.248	0.01
130.49	0.00	5003.52	0.248	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
130.65	0.00	5003.52	0.248	0.01
130.82	0.00	5003.52	0.247	0.01
130.99	0.00	5003.52	0.247	0.01
131.15	0.00	5003.52	0.247	0.01
131.32	0.00	5003.52	0.247	0.01
131.49	0.00	5003.52	0.247	0.01
131.65	0.00	5003.51	0.247	0.01
131.82	0.00	5003.51	0.247	0.01
131.99	0.00	5003.51	0.247	0.01
132.15	0.00	5003.51	0.247	0.01
132.32	0.00	5003.51	0.247	0.01
132.49	0.00	5003.51	0.246	0.01
132.65	0.00	5003.50	0.246	0.01
132.82	0.00	5003.50	0.246	0.01
132.99	0.00	5003.50	0.246	0.01
133.15	0.00	5003.50	0.246	0.01

```
 PEAK DISCHARGE =       23.591 CFS - PEAK OCCURS AT HOUR    1.63
 MAXIMUM WATER SURFACE ELEVATION =     5005.451
 MAXIMUM STORAGE =        0.4722 AC-FT      INCREMENTAL TIME=    0.033330HRS

**********************************************************
*
*S  COMPUTE HYD BASIN SAGE PARK TRACT 402A
COMPUTE NM HYD        ID=6  HYDNO=105  AREA=0.005974 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   16.031    CFS   UNIT VOLUME =   0.9996       B =   526.28      P60 = 1.8700
     AREA =     0.005078 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330


     K =  0.132393HR    TP =  0.166700HR    K/TP RATIO =  0.794199     SHAPE CONSTANT, N =  4.514592
     UNIT PEAK =   2.0864    CFS   UNIT VOLUME =   0.9935       B =   388.14      P60 = 1.8700
     AREA =     0.000896 SQ MI    IA =   0.35000 INCHES    INF =   0.83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD             ID=6   CODE=1

                                  PARTIAL HYDROGRAPH   105.00


    RUNOFF VOLUME =     2.21036 INCHES     =       0.7042 ACRE-FEET
    PEAK DISCHARGE RATE =      14.32 CFS  AT   1.533 HOURS   BASIN AREA =  0.0060 SQ. MI.



*
*S  COMPUTE HYD BASIN DEVELOPED LOTS
COMPUTE NM HYD        ID=7  HYDNO=107  AREA=0.003108 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   8.3402    CFS   UNIT VOLUME =   0.9988       B =   526.28      P60 = 1.8700
     AREA =     0.002642 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330
```

```
     K =  0.132393HR    TP =  0.166700HR    K/TP RATIO =  0.794199     SHAPE CONSTANT, N =  4.514592
     UNIT PEAK =   1.0855    CFS   UNIT VOLUME =   0.9883       B =   388.14      P60 = 1.8700
     AREA =     0.000466 SQ MI    IA =   0.35000 INCHES    INF =   0.83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD             ID=7   CODE=1

                                    PARTIAL HYDROGRAPH   107.00


    RUNOFF VOLUME =     2.21036 INCHES     =       0.3664 ACRE-FEET
    PEAK DISCHARGE RATE =       7.46 CFS  AT   1.533 HOURS   BASIN AREA =  0.0031 SQ. MI.



*
*S  COMPUTE HYD BASIN POND TRACT 402B
COMPUTE NM HYD        ID=8  HYDNO=107  AREA=0.002554 SQ MI
                      PER A=0 PER B=0 PER C=15 PER D=85
                      TP=.1667 HR MASS RAIN=-1

     K =  0.090852HR    TP =  0.166700HR    K/TP RATIO =  0.545000     SHAPE CONSTANT, N =  7.106428
     UNIT PEAK =   6.8536    CFS   UNIT VOLUME =   0.9986       B =   526.28      P60 = 1.8700
     AREA =     0.002171 SQ MI    IA =   0.10000 INCHES    INF =   0.04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330


     K =  0.132393HR    TP =  0.166700HR    K/TP RATIO =  0.794199     SHAPE CONSTANT, N =  4.514592
     UNIT PEAK =  0.89199    CFS   UNIT VOLUME =   0.9849       B =   388.14      P60 = 1.8700
     AREA =     0.000383 SQ MI    IA =   0.35000 INCHES    INF =   0.83000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =  0.033330

PRINT HYD             ID=8   CODE=1

                                    PARTIAL HYDROGRAPH   107.00


    RUNOFF VOLUME =     2.21036 INCHES     =       0.3011 ACRE-FEET
    PEAK DISCHARGE RATE =       6.13 CFS  AT   1.533 HOURS   BASIN AREA =  0.0026 SQ. MI.
```

```
ADD HYD              ID=10 HYDNO=201
                     ID=1 ID=2
PRINT HYD            ID=10 CODE=5
```

PARTIAL HYDROGRAPH 201.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	5.166	0.4	10.332	0.5	15.498	0.4	20.665	0.3
0.167	0.0	5.333	0.4	10.499	0.5	15.665	0.4	20.831	0.3
0.333	0.0	5.499	0.4	10.666	0.5	15.832	0.4	20.998	0.3
0.500	0.0	5.666	0.5	10.832	0.5	15.998	0.4	21.165	0.3
0.667	0.0	5.833	0.5	10.999	0.5	16.165	0.4	21.331	0.3
0.833	0.0	5.999	0.5	11.166	0.5	16.332	0.4	21.498	0.3
1.000	0.0	6.166	0.6	11.332	0.5	16.498	0.4	21.665	0.3
1.167	0.1	6.333	0.6	11.499	0.5	16.665	0.4	21.831	0.3
1.333	14.4	6.499	0.6	11.665	0.5	16.832	0.4	21.998	0.3
1.500	62.8	6.666	0.6	11.832	0.4	16.998	0.4	22.164	0.3
1.667	43.5	6.833	0.6	11.999	0.4	17.165	0.4	22.331	0.3
1.833	26.2	6.999	0.6	12.165	0.4	17.332	0.4	22.498	0.3
2.000	19.3	7.166	0.6	12.332	0.4	17.498	0.4	22.664	0.3
2.166	11.0	7.333	0.6	12.499	0.4	17.665	0.3	22.831	0.3
2.333	4.9	7.499	0.6	12.665	0.4	17.832	0.3	22.998	0.3
2.500	3.1	7.666	0.6	12.832	0.4	17.998	0.3	23.164	0.3
2.666	2.1	7.833	0.6	12.999	0.4	18.165	0.3	23.331	0.3
2.833	1.5	7.999	0.6	13.165	0.4	18.331	0.3	23.498	0.3
3.000	1.0	8.166	0.5	13.332	0.4	18.498	0.3	23.664	0.3
3.166	0.8	8.332	0.5	13.499	0.4	18.665	0.3	23.831	0.3
3.333	0.6	8.499	0.5	13.665	0.4	18.831	0.3	23.998	0.3
3.500	0.5	8.666	0.5	13.832	0.4	18.998	0.3	24.164	0.2
3.666	0.5	8.832	0.5	13.999	0.4	19.165	0.3	24.331	0.0
3.833	0.4	8.999	0.5	14.165	0.4	19.331	0.3	24.498	0.0
4.000	0.4	9.166	0.5	14.332	0.4	19.498	0.3	24.664	0.0
4.166	0.4	9.332	0.5	14.499	0.4	19.665	0.3	24.831	0.0
4.333	0.4	9.499	0.5	14.665	0.4	19.831	0.3	24.998	0.0
4.500	0.4	9.666	0.5	14.832	0.4	19.998	0.3	25.164	0.0
4.666	0.4	9.832	0.5	14.998	0.4	20.165	0.3		
4.833	0.4	9.999	0.5	15.165	0.4	20.331	0.3		
4.999	0.4	10.166	0.5	15.332	0.4	20.498	0.3		

RUNOFF VOLUME = 2.28186 INCHES = 3.3254 ACRE-FEET
PEAK DISCHARGE RATE = 66.73 CFS AT 1.533 HOURS BASIN AREA = 0.0273 SQ. MI.

```
*
ADD HYD              ID=11 HYDNO=201
                     ID=10 ID=3
PRINT HYD            ID=11 CODE=5
```

PARTIAL HYDROGRAPH 201.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	5.166	0.6	10.332	0.7	15.498	0.6	20.665	0.5
0.167	0.0	5.333	0.6	10.499	0.7	15.665	0.6	20.831	0.5
0.333	0.0	5.499	0.6	10.666	0.7	15.832	0.5	20.998	0.5
0.500	0.0	5.666	0.7	10.832	0.7	15.998	0.5	21.165	0.5
0.667	0.0	5.833	0.7	10.999	0.7	16.165	0.5	21.331	0.5
0.833	0.0	5.999	0.7	11.166	0.7	16.332	0.5	21.498	0.4
1.000	0.0	6.166	0.8	11.332	0.7	16.498	0.5	21.665	0.4
1.167	0.1	6.333	0.9	11.499	0.7	16.665	0.5	21.831	0.4
1.333	21.0	6.499	0.9	11.665	0.7	16.832	0.5	21.998	0.4
1.500	92.7	6.666	0.9	11.832	0.7	16.998	0.5	22.164	0.4
1.667	64.3	6.833	0.9	11.999	0.6	17.165	0.5	22.331	0.4
1.833	38.6	6.999	0.9	12.165	0.6	17.332	0.5	22.498	0.4
2.000	28.4	7.166	0.8	12.332	0.6	17.498	0.5	22.664	0.4
2.166	16.1	7.333	0.8	12.499	0.6	17.665	0.5	22.831	0.4
2.333	7.3	7.499	0.8	12.665	0.6	17.832	0.5	22.998	0.4
2.500	4.6	7.666	0.8	12.832	0.6	17.998	0.5	23.164	0.4
2.666	3.1	7.833	0.8	12.999	0.6	18.165	0.5	23.331	0.4
2.833	2.1	7.999	0.8	13.165	0.6	18.331	0.5	23.498	0.4
3.000	1.5	8.166	0.8	13.332	0.6	18.498	0.5	23.664	0.4
3.166	1.2	8.332	0.8	13.499	0.6	18.665	0.5	23.831	0.4
3.333	0.9	8.499	0.8	13.665	0.6	18.831	0.5	23.998	0.4
3.500	0.8	8.666	0.8	13.832	0.6	18.998	0.5	24.164	0.2
3.666	0.7	8.832	0.8	13.999	0.6	19.165	0.5	24.331	0.1
3.833	0.6	8.999	0.8	14.165	0.6	19.331	0.5	24.498	0.0
4.000	0.6	9.166	0.8	14.332	0.6	19.498	0.5	24.664	0.0
4.166	0.6	9.332	0.7	14.499	0.6	19.665	0.5	24.831	0.0
4.333	0.6	9.499	0.7	14.665	0.6	19.831	0.5	24.998	0.0
4.500	0.6	9.666	0.7	14.832	0.6	19.998	0.5	25.164	0.0
4.666	0.6	9.832	0.7	14.998	0.6	20.165	0.5		
4.833	0.6	9.999	0.7	15.165	0.6	20.331	0.5		
4.999	0.6	10.166	0.7	15.332	0.6	20.498	0.5		

```
    RUNOFF VOLUME =     2.25849 INCHES     =       4.8895 ACRE-FEET
    PEAK DISCHARGE RATE =      98.51 CFS  AT   1.533 HOURS   BASIN AREA =  0.0406 SQ. MI.


*
ADD HYD               ID=12 HYDNO=301
                      ID=11 ID=4
PRINT HYD             ID=12 CODE=5
```

HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	5.166	0.8	10.332	0.9	15.498	0.7	20.665	0.6
0.167	0.0	5.333	0.8	10.499	0.9	15.665	0.7	20.831	0.6
0.333	0.0	5.499	0.8	10.666	0.9	15.832	0.7	20.998	0.6
0.500	0.0	5.666	0.8	10.832	0.9	15.998	0.7	21.165	0.6
0.667	0.0	5.833	0.9	10.999	0.8	16.165	0.7	21.331	0.6
0.833	0.0	5.999	0.9	11.166	0.8	16.332	0.7	21.498	0.6
1.000	0.0	6.166	1.0	11.332	0.8	16.498	0.7	21.665	0.5
1.167	0.1	6.333	1.1	11.499	0.8	16.665	0.7	21.831	0.5
1.333	26.0	6.499	1.1	11.665	0.8	16.832	0.6	21.998	0.5
1.500	115.1	6.666	1.1	11.832	0.8	16.998	0.6	22.164	0.5
1.667	79.9	6.833	1.1	11.999	0.8	17.165	0.6	22.331	0.5
1.833	48.0	6.999	1.1	12.165	0.8	17.332	0.6	22.498	0.5
2.000	35.2	7.166	1.0	12.332	0.8	17.498	0.6	22.664	0.5
2.166	20.0	7.333	1.0	12.499	0.8	17.665	0.6	22.831	0.5
2.333	9.0	7.499	1.0	12.665	0.8	17.832	0.6	22.998	0.5
2.500	5.7	7.666	1.0	12.832	0.8	17.998	0.6	23.164	0.5
2.666	3.8	7.833	1.0	12.999	0.8	18.165	0.6	23.331	0.5
2.833	2.6	7.999	1.0	13.165	0.8	18.331	0.6	23.498	0.5
3.000	1.9	8.166	1.0	13.332	0.7	18.498	0.6	23.664	0.5
3.166	1.5	8.332	1.0	13.499	0.7	18.665	0.6	23.831	0.5
3.333	1.2	8.499	1.0	13.665	0.7	18.831	0.6	23.998	0.5
3.500	1.0	8.666	1.0	13.832	0.7	18.998	0.6	24.164	0.3
3.666	0.9	8.832	0.9	13.999	0.7	19.165	0.6	24.331	0.1
3.833	0.8	8.999	0.9	14.165	0.7	19.331	0.6	24.498	0.0
4.000	0.7	9.166	0.9	14.332	0.7	19.498	0.6	24.664	0.0
4.166	0.7	9.332	0.9	14.499	0.7	19.665	0.6	24.831	0.0
4.333	0.7	9.499	0.9	14.665	0.7	19.831	0.6	24.998	0.0
4.500	0.7	9.666	0.9	14.832	0.7	19.998	0.6	25.164	0.0

4.666	0.7	9.832	0.9	14.998	0.7	20.165	0.6
4.833	0.7	9.999	0.9	15.165	0.7	20.331	0.6
4.999	0.7	10.166	0.9	15.332	0.7	20.498	0.6

RUNOFF VOLUME = 2.24901 INCHES = 6.0616 ACRE-FEET
PEAK DISCHARGE RATE = 122.33 CFS AT 1.533 HOURS BASIN AREA = 0.0505 SQ. MI.

```
*
ADD HYD              ID=13 HYDNO=301
                     ID=12 ID=99
PRINT HYD            ID=13 CODE=5
```

HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	26.664	0.0	53.328	0.0	79.992	0.0	106.656	0.0
0.167	0.0	26.831	0.0	53.495	0.0	80.158	0.0	106.822	0.0
0.333	0.0	26.997	0.0	53.661	0.0	80.325	0.0	106.989	0.0
0.500	0.0	27.164	0.0	53.828	0.0	80.492	0.0	107.156	0.0
0.667	0.0	27.331	0.0	53.995	0.0	80.658	0.0	107.322	0.0
0.833	0.0	27.497	0.0	54.161	0.0	80.825	0.0	107.489	0.0
1.000	0.0	27.664	0.0	54.328	0.0	80.992	0.0	107.655	0.0
1.167	0.1	27.831	0.0	54.494	0.0	81.158	0.0	107.822	0.0
1.333	26.0	27.997	0.0	54.661	0.0	81.325	0.0	107.989	0.0
1.500	115.1	28.164	0.0	54.828	0.0	81.492	0.0	108.155	0.0
1.667	103.4	28.331	0.0	54.994	0.0	81.658	0.0	108.322	0.0
1.833	62.9	28.497	0.0	55.161	0.0	81.825	0.0	108.489	0.0
2.000	45.0	28.664	0.0	55.328	0.0	81.992	0.0	108.655	0.0
2.166	26.1	28.830	0.0	55.494	0.0	82.158	0.0	108.822	0.0
2.333	11.6	28.997	0.0	55.661	0.0	82.325	0.0	108.989	0.0
2.500	7.3	29.164	0.0	55.828	0.0	82.491	0.0	109.155	0.0
2.666	4.9	29.330	0.0	55.994	0.0	82.658	0.0	109.322	0.0
2.833	3.5	29.497	0.0	56.161	0.0	82.825	0.0	109.489	0.0
3.000	2.7	29.664	0.0	56.328	0.0	82.991	0.0	109.655	0.0
3.166	2.2	29.830	0.0	56.494	0.0	83.158	0.0	109.822	0.0
3.333	1.8	29.997	0.0	56.661	0.0	83.325	0.0	109.989	0.0
3.500	1.5	30.164	0.0	56.828	0.0	83.491	0.0	110.155	0.0
3.666	1.4	30.330	0.0	56.994	0.0	83.658	0.0	110.322	0.0
3.833	1.2	30.497	0.0	57.161	0.0	83.825	0.0	110.488	0.0
4.000	1.1	30.664	0.0	57.327	0.0	83.991	0.0	110.655	0.0

4.166	1.1	30.830	0.0	57.494	0.0	84.158	0.0	110.822	0.0
4.333	1.0	30.997	0.0	57.661	0.0	84.325	0.0	110.988	0.0
4.500	1.0	31.164	0.0	57.827	0.0	84.491	0.0	111.155	0.0
4.666	1.0	31.330	0.0	57.994	0.0	84.658	0.0	111.322	0.0
4.833	1.0	31.497	0.0	58.161	0.0	84.825	0.0	111.488	0.0
4.999	1.0	31.664	0.0	58.327	0.0	84.991	0.0	111.655	0.0
5.166	1.0	31.830	0.0	58.494	0.0	85.158	0.0	111.822	0.0
5.333	1.0	31.997	0.0	58.661	0.0	85.325	0.0	111.988	0.0
5.499	1.0	32.164	0.0	58.827	0.0	85.491	0.0	112.155	0.0
5.666	1.0	32.330	0.0	58.994	0.0	85.658	0.0	112.322	0.0
5.833	1.1	32.497	0.0	59.161	0.0	85.824	0.0	112.488	0.0
5.999	1.1	32.663	0.0	59.327	0.0	85.991	0.0	112.655	0.0
6.166	1.2	32.830	0.0	59.494	0.0	86.158	0.0	112.822	0.0
6.333	1.3	32.997	0.0	59.661	0.0	86.324	0.0	112.988	0.0
6.499	1.3	33.163	0.0	59.827	0.0	86.491	0.0	113.155	0.0
6.666	1.3	33.330	0.0	59.994	0.0	86.658	0.0	113.322	0.0
6.833	1.3	33.497	0.0	60.161	0.0	86.824	0.0	113.488	0.0
6.999	1.3	33.663	0.0	60.327	0.0	86.991	0.0	113.655	0.0
7.166	1.3	33.830	0.0	60.494	0.0	87.158	0.0	113.821	0.0
7.333	1.3	33.997	0.0	60.660	0.0	87.324	0.0	113.988	0.0
7.499	1.3	34.163	0.0	60.827	0.0	87.491	0.0	114.155	0.0
7.666	1.3	34.330	0.0	60.994	0.0	87.658	0.0	114.321	0.0
7.833	1.2	34.497	0.0	61.160	0.0	87.824	0.0	114.488	0.0
7.999	1.2	34.663	0.0	61.327	0.0	87.991	0.0	114.655	0.0
8.166	1.2	34.830	0.0	61.494	0.0	88.158	0.0	114.821	0.0
8.332	1.2	34.997	0.0	61.660	0.0	88.324	0.0	114.988	0.0
8.499	1.2	35.163	0.0	61.827	0.0	88.491	0.0	115.155	0.0
8.666	1.2	35.330	0.0	61.994	0.0	88.657	0.0	115.321	0.0
8.832	1.2	35.496	0.0	62.160	0.0	88.824	0.0	115.488	0.0
8.999	1.2	35.663	0.0	62.327	0.0	88.991	0.0	115.655	0.0
9.166	1.1	35.830	0.0	62.494	0.0	89.157	0.0	115.821	0.0
9.332	1.1	35.996	0.0	62.660	0.0	89.324	0.0	115.988	0.0
9.499	1.1	36.163	0.0	62.827	0.0	89.491	0.0	116.155	0.0
9.666	1.1	36.330	0.0	62.994	0.0	89.657	0.0	116.321	0.0
9.832	1.1	36.496	0.0	63.160	0.0	89.824	0.0	116.488	0.0
9.999	1.1	36.663	0.0	63.327	0.0	89.991	0.0	116.654	0.0
10.166	1.1	36.830	0.0	63.493	0.0	90.157	0.0	116.821	0.0
10.332	1.1	36.996	0.0	63.660	0.0	90.324	0.0	116.988	0.0
10.499	1.1	37.163	0.0	63.827	0.0	90.491	0.0	117.154	0.0
10.666	1.1	37.330	0.0	63.993	0.0	90.657	0.0	117.321	0.0
10.832	1.1	37.496	0.0	64.160	0.0	90.824	0.0	117.488	0.0
10.999	1.0	37.663	0.0	64.327	0.0	90.991	0.0	117.654	0.0
11.166	1.0	37.830	0.0	64.493	0.0	91.157	0.0	117.821	0.0

11.332	1.0	37.996	0.0	64.660	0.0	91.324	0.0	117.988	0.0
11.499	1.0	38.163	0.0	64.827	0.0	91.491	0.0	118.154	0.0
11.665	1.0	38.330	0.0	64.993	0.0	91.657	0.0	118.321	0.0
11.832	1.0	38.496	0.0	65.160	0.0	91.824	0.0	118.488	0.0
11.999	1.0	38.663	0.0	65.327	0.0	91.990	0.0	118.654	0.0
12.165	1.0	38.829	0.0	65.493	0.0	92.157	0.0	118.821	0.0
12.332	1.0	38.996	0.0	65.660	0.0	92.324	0.0	118.988	0.0
12.499	1.0	39.163	0.0	65.827	0.0	92.490	0.0	119.154	0.0
12.665	1.0	39.329	0.0	65.993	0.0	92.657	0.0	119.321	0.0
12.832	1.0	39.496	0.0	66.160	0.0	92.824	0.0	119.488	0.0
12.999	0.9	39.663	0.0	66.327	0.0	92.990	0.0	119.654	0.0
13.165	0.9	39.829	0.0	66.493	0.0	93.157	0.0	119.821	0.0
13.332	0.9	39.996	0.0	66.660	0.0	93.324	0.0	119.987	0.0
13.499	0.9	40.163	0.0	66.826	0.0	93.490	0.0	120.154	0.0
13.665	0.9	40.329	0.0	66.993	0.0	93.657	0.0	120.321	0.0
13.832	0.9	40.496	0.0	67.160	0.0	93.824	0.0	120.487	0.0
13.999	0.9	40.663	0.0	67.326	0.0	93.990	0.0	120.654	0.0
14.165	0.9	40.829	0.0	67.493	0.0	94.157	0.0	120.821	0.0
14.332	0.9	40.996	0.0	67.660	0.0	94.324	0.0	120.987	0.0
14.499	0.9	41.163	0.0	67.826	0.0	94.490	0.0	121.154	0.0
14.665	0.9	41.329	0.0	67.993	0.0	94.657	0.0	121.321	0.0
14.832	0.9	41.496	0.0	68.160	0.0	94.823	0.0	121.487	0.0
14.998	0.9	41.662	0.0	68.326	0.0	94.990	0.0	121.654	0.0
15.165	0.9	41.829	0.0	68.493	0.0	95.157	0.0	121.821	0.0
15.332	0.8	41.996	0.0	68.660	0.0	95.323	0.0	121.987	0.0
15.498	0.8	42.162	0.0	68.826	0.0	95.490	0.0	122.154	0.0
15.665	0.8	42.329	0.0	68.993	0.0	95.657	0.0	122.321	0.0
15.832	0.8	42.496	0.0	69.160	0.0	95.823	0.0	122.487	0.0
15.998	0.8	42.662	0.0	69.326	0.0	95.990	0.0	122.654	0.0
16.165	0.8	42.829	0.0	69.493	0.0	96.157	0.0	122.820	0.0
16.332	0.8	42.996	0.0	69.660	0.0	96.323	0.0	122.987	0.0
16.498	0.8	43.162	0.0	69.826	0.0	96.490	0.0	123.154	0.0
16.665	0.8	43.329	0.0	69.993	0.0	96.657	0.0	123.320	0.0
16.832	0.8	43.496	0.0	70.159	0.0	96.823	0.0	123.487	0.0
16.998	0.8	43.662	0.0	70.326	0.0	96.990	0.0	123.654	0.0
17.165	0.8	43.829	0.0	70.493	0.0	97.157	0.0	123.820	0.0
17.332	0.8	43.996	0.0	70.659	0.0	97.323	0.0	123.987	0.0
17.498	0.8	44.162	0.0	70.826	0.0	97.490	0.0	124.154	0.0
17.665	0.8	44.329	0.0	70.993	0.0	97.657	0.0	124.320	0.0
17.832	0.8	44.496	0.0	71.159	0.0	97.823	0.0	124.487	0.0
17.998	0.8	44.662	0.0	71.326	0.0	97.990	0.0	124.654	0.0
18.165	0.8	44.829	0.0	71.493	0.0	98.156	0.0	124.820	0.0
18.331	0.8	44.995	0.0	71.659	0.0	98.323	0.0	124.987	0.0

18.498	0.7	45.162	0.0	71.826	0.0	98.490	0.0	125.154	0.0
18.665	0.8	45.329	0.0	71.993	0.0	98.656	0.0	125.320	0.0
18.831	0.7	45.495	0.0	72.159	0.0	98.823	0.0	125.487	0.0
18.998	0.7	45.662	0.0	72.326	0.0	98.990	0.0	125.654	0.0
19.165	0.7	45.829	0.0	72.493	0.0	99.156	0.0	125.820	0.0
19.331	0.7	45.995	0.0	72.659	0.0	99.323	0.0	125.987	0.0
19.498	0.7	46.162	0.0	72.826	0.0	99.490	0.0	126.153	0.0
19.665	0.7	46.329	0.0	72.992	0.0	99.656	0.0	126.320	0.0
19.831	0.7	46.495	0.0	73.159	0.0	99.823	0.0	126.487	0.0
19.998	0.7	46.662	0.0	73.326	0.0	99.990	0.0	126.653	0.0
20.165	0.7	46.829	0.0	73.492	0.0	100.156	0.0	126.820	0.0
20.331	0.7	46.995	0.0	73.659	0.0	100.323	0.0	126.987	0.0
20.498	0.7	47.162	0.0	73.826	0.0	100.490	0.0	127.153	0.0
20.665	0.7	47.329	0.0	73.992	0.0	100.656	0.0	127.320	0.0
20.831	0.7	47.495	0.0	74.159	0.0	100.823	0.0	127.487	0.0
20.998	0.7	47.662	0.0	74.326	0.0	100.989	0.0	127.653	0.0
21.165	0.7	47.829	0.0	74.492	0.0	101.156	0.0	127.820	0.0
21.331	0.7	47.995	0.0	74.659	0.0	101.323	0.0	127.987	0.0
21.498	0.7	48.162	0.0	74.826	0.0	101.489	0.0	128.153	0.0
21.665	0.7	48.328	0.0	74.992	0.0	101.656	0.0	128.320	0.0
21.831	0.7	48.495	0.0	75.159	0.0	101.823	0.0	128.487	0.0
21.998	0.7	48.662	0.0	75.326	0.0	101.989	0.0	128.653	0.0
22.164	0.7	48.828	0.0	75.492	0.0	102.156	0.0	128.820	0.0
22.331	0.7	48.995	0.0	75.659	0.0	102.323	0.0	128.987	0.0
22.498	0.7	49.162	0.0	75.826	0.0	102.489	0.0	129.153	0.0
22.664	0.7	49.328	0.0	75.992	0.0	102.656	0.0	129.320	0.0
22.831	0.7	49.495	0.0	76.159	0.0	102.823	0.0	129.487	0.0
22.998	0.7	49.662	0.0	76.325	0.0	102.989	0.0	129.653	0.0
23.164	0.6	49.828	0.0	76.492	0.0	103.156	0.0	129.820	0.0
23.331	0.6	49.995	0.0	76.659	0.0	103.323	0.0	129.986	0.0
23.498	0.6	50.162	0.0	76.825	0.0	103.489	0.0	130.153	0.0
23.664	0.6	50.328	0.0	76.992	0.0	103.656	0.0	130.320	0.0
23.831	0.6	50.495	0.0	77.159	0.0	103.823	0.0	130.486	0.0
23.998	0.6	50.662	0.0	77.325	0.0	103.989	0.0	130.653	0.0
24.164	0.4	50.828	0.0	77.492	0.0	104.156	0.0	130.820	0.0
24.331	0.2	50.995	0.0	77.659	0.0	104.322	0.0	130.986	0.0
24.498	0.1	51.161	0.0	77.825	0.0	104.489	0.0	131.153	0.0
24.664	0.1	51.328	0.0	77.992	0.0	104.656	0.0	131.320	0.0
24.831	0.1	51.495	0.0	78.159	0.0	104.822	0.0	131.486	0.0
24.998	0.1	51.661	0.0	78.325	0.0	104.989	0.0	131.653	0.0
25.164	0.0	51.828	0.0	78.492	0.0	105.156	0.0	131.820	0.0
25.331	0.0	51.995	0.0	78.659	0.0	105.322	0.0	131.986	0.0
25.497	0.0	52.161	0.0	78.825	0.0	105.489	0.0	132.153	0.0

25.664	0.0	52.328	0.0	78.992	0.0	105.656	0.0	132.320	0.0
25.831	0.0	52.495	0.0	79.158	0.0	105.822	0.0	132.486	0.0
25.997	0.0	52.661	0.0	79.325	0.0	105.989	0.0	132.653	0.0
26.164	0.0	52.828	0.0	79.492	0.0	106.156	0.0	132.820	0.0
26.331	0.0	52.995	0.0	79.658	0.0	106.322	0.0	132.986	0.0
26.497	0.0	53.161	0.0	79.825	0.0	106.489	0.0	133.153	0.0

RUNOFF VOLUME = 2.08542 INCHES = 7.3515 ACRE-FEET
PEAK DISCHARGE RATE = 130.70 CFS AT 1.567 HOURS BASIN AREA = 0.0661 SQ. MI.

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*
ADD HYD              ID=14 HYDNO=301
                     ID=13 ID=6
PRINT HYD            ID=14 CODE=5
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HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	26.664	0.0	53.328	0.0	79.992	0.0	106.656	0.0
0.167	0.0	26.831	0.0	53.495	0.0	80.158	0.0	106.822	0.0
0.333	0.0	26.997	0.0	53.661	0.0	80.325	0.0	106.989	0.0
0.500	0.0	27.164	0.0	53.828	0.0	80.492	0.0	107.156	0.0
0.667	0.0	27.331	0.0	53.995	0.0	80.658	0.0	107.322	0.0
0.833	0.0	27.497	0.0	54.161	0.0	80.825	0.0	107.489	0.0
1.000	0.0	27.664	0.0	54.328	0.0	80.992	0.0	107.655	0.0
1.167	0.1	27.831	0.0	54.494	0.0	81.158	0.0	107.822	0.0
1.333	29.0	27.997	0.0	54.661	0.0	81.325	0.0	107.989	0.0
1.500	128.5	28.164	0.0	54.828	0.0	81.492	0.0	108.155	0.0
1.667	112.8	28.331	0.0	54.994	0.0	81.658	0.0	108.322	0.0
1.833	68.5	28.497	0.0	55.161	0.0	81.825	0.0	108.489	0.0
2.000	49.1	28.664	0.0	55.328	0.0	81.992	0.0	108.655	0.0
2.166	28.4	28.830	0.0	55.494	0.0	82.158	0.0	108.822	0.0
2.333	12.7	28.997	0.0	55.661	0.0	82.325	0.0	108.989	0.0
2.500	7.9	29.164	0.0	55.828	0.0	82.491	0.0	109.155	0.0
2.666	5.3	29.330	0.0	55.994	0.0	82.658	0.0	109.322	0.0
2.833	3.8	29.497	0.0	56.161	0.0	82.825	0.0	109.489	0.0
3.000	2.9	29.664	0.0	56.328	0.0	82.991	0.0	109.655	0.0
3.166	2.3	29.830	0.0	56.494	0.0	83.158	0.0	109.822	0.0
3.333	1.9	29.997	0.0	56.661	0.0	83.325	0.0	109.989	0.0
3.500	1.7	30.164	0.0	56.828	0.0	83.491	0.0	110.155	0.0

3.666	1.5	30.330	0.0	56.994	0.0	83.658	0.0	110.322	0.0
3.833	1.3	30.497	0.0	57.161	0.0	83.825	0.0	110.488	0.0
4.000	1.2	30.664	0.0	57.327	0.0	83.991	0.0	110.655	0.0
4.166	1.2	30.830	0.0	57.494	0.0	84.158	0.0	110.822	0.0
4.333	1.1	30.997	0.0	57.661	0.0	84.325	0.0	110.988	0.0
4.500	1.1	31.164	0.0	57.827	0.0	84.491	0.0	111.155	0.0
4.666	1.0	31.330	0.0	57.994	0.0	84.658	0.0	111.322	0.0
4.833	1.0	31.497	0.0	58.161	0.0	84.825	0.0	111.488	0.0
4.999	1.0	31.664	0.0	58.327	0.0	84.991	0.0	111.655	0.0
5.166	1.1	31.830	0.0	58.494	0.0	85.158	0.0	111.822	0.0
5.333	1.1	31.997	0.0	58.661	0.0	85.325	0.0	111.988	0.0
5.499	1.1	32.164	0.0	58.827	0.0	85.491	0.0	112.155	0.0
5.666	1.1	32.330	0.0	58.994	0.0	85.658	0.0	112.322	0.0
5.833	1.2	32.497	0.0	59.161	0.0	85.824	0.0	112.488	0.0
5.999	1.2	32.663	0.0	59.327	0.0	85.991	0.0	112.655	0.0
6.166	1.3	32.830	0.0	59.494	0.0	86.158	0.0	112.822	0.0
6.333	1.4	32.997	0.0	59.661	0.0	86.324	0.0	112.988	0.0
6.499	1.4	33.163	0.0	59.827	0.0	86.491	0.0	113.155	0.0
6.666	1.4	33.330	0.0	59.994	0.0	86.658	0.0	113.322	0.0
6.833	1.4	33.497	0.0	60.161	0.0	86.824	0.0	113.488	0.0
6.999	1.4	33.663	0.0	60.327	0.0	86.991	0.0	113.655	0.0
7.166	1.4	33.830	0.0	60.494	0.0	87.158	0.0	113.821	0.0
7.333	1.4	33.997	0.0	60.660	0.0	87.324	0.0	113.988	0.0
7.499	1.4	34.163	0.0	60.827	0.0	87.491	0.0	114.155	0.0
7.666	1.4	34.330	0.0	60.994	0.0	87.658	0.0	114.321	0.0
7.833	1.4	34.497	0.0	61.160	0.0	87.824	0.0	114.488	0.0
7.999	1.3	34.663	0.0	61.327	0.0	87.991	0.0	114.655	0.0
8.166	1.3	34.830	0.0	61.494	0.0	88.158	0.0	114.821	0.0
8.332	1.3	34.997	0.0	61.660	0.0	88.324	0.0	114.988	0.0
8.499	1.3	35.163	0.0	61.827	0.0	88.491	0.0	115.155	0.0
8.666	1.3	35.330	0.0	61.994	0.0	88.657	0.0	115.321	0.0
8.832	1.3	35.496	0.0	62.160	0.0	88.824	0.0	115.488	0.0
8.999	1.3	35.663	0.0	62.327	0.0	88.991	0.0	115.655	0.0
9.166	1.3	35.830	0.0	62.494	0.0	89.157	0.0	115.821	0.0
9.332	1.2	35.996	0.0	62.660	0.0	89.324	0.0	115.988	0.0
9.499	1.2	36.163	0.0	62.827	0.0	89.491	0.0	116.155	0.0
9.666	1.2	36.330	0.0	62.994	0.0	89.657	0.0	116.321	0.0
9.832	1.2	36.496	0.0	63.160	0.0	89.824	0.0	116.488	0.0
9.999	1.2	36.663	0.0	63.327	0.0	89.991	0.0	116.654	0.0
10.166	1.2	36.830	0.0	63.493	0.0	90.157	0.0	116.821	0.0
10.332	1.2	36.996	0.0	63.660	0.0	90.324	0.0	116.988	0.0
10.499	1.2	37.163	0.0	63.827	0.0	90.491	0.0	117.154	0.0
10.666	1.2	37.330	0.0	63.993	0.0	90.657	0.0	117.321	0.0

10.832	1.1	37.496	0.0	64.160	0.0	90.824	0.0	117.488	0.0
10.999	1.1	37.663	0.0	64.327	0.0	90.991	0.0	117.654	0.0
11.166	1.1	37.830	0.0	64.493	0.0	91.157	0.0	117.821	0.0
11.332	1.1	37.996	0.0	64.660	0.0	91.324	0.0	117.988	0.0
11.499	1.1	38.163	0.0	64.827	0.0	91.491	0.0	118.154	0.0
11.665	1.1	38.330	0.0	64.993	0.0	91.657	0.0	118.321	0.0
11.832	1.1	38.496	0.0	65.160	0.0	91.824	0.0	118.488	0.0
11.999	1.1	38.663	0.0	65.327	0.0	91.990	0.0	118.654	0.0
12.165	1.1	38.829	0.0	65.493	0.0	92.157	0.0	118.821	0.0
12.332	1.1	38.996	0.0	65.660	0.0	92.324	0.0	118.988	0.0
12.499	1.1	39.163	0.0	65.827	0.0	92.490	0.0	119.154	0.0
12.665	1.0	39.329	0.0	65.993	0.0	92.657	0.0	119.321	0.0
12.832	1.0	39.496	0.0	66.160	0.0	92.824	0.0	119.488	0.0
12.999	1.0	39.663	0.0	66.327	0.0	92.990	0.0	119.654	0.0
13.165	1.0	39.829	0.0	66.493	0.0	93.157	0.0	119.821	0.0
13.332	1.0	39.996	0.0	66.660	0.0	93.324	0.0	119.987	0.0
13.499	1.0	40.163	0.0	66.826	0.0	93.490	0.0	120.154	0.0
13.665	1.0	40.329	0.0	66.993	0.0	93.657	0.0	120.321	0.0
13.832	1.0	40.496	0.0	67.160	0.0	93.824	0.0	120.487	0.0
13.999	1.0	40.663	0.0	67.326	0.0	93.990	0.0	120.654	0.0
14.165	1.0	40.829	0.0	67.493	0.0	94.157	0.0	120.821	0.0
14.332	1.0	40.996	0.0	67.660	0.0	94.324	0.0	120.987	0.0
14.499	1.0	41.163	0.0	67.826	0.0	94.490	0.0	121.154	0.0
14.665	1.0	41.329	0.0	67.993	0.0	94.657	0.0	121.321	0.0
14.832	0.9	41.496	0.0	68.160	0.0	94.823	0.0	121.487	0.0
14.998	0.9	41.662	0.0	68.326	0.0	94.990	0.0	121.654	0.0
15.165	0.9	41.829	0.0	68.493	0.0	95.157	0.0	121.821	0.0
15.332	0.9	41.996	0.0	68.660	0.0	95.323	0.0	121.987	0.0
15.498	0.9	42.162	0.0	68.826	0.0	95.490	0.0	122.154	0.0
15.665	0.9	42.329	0.0	68.993	0.0	95.657	0.0	122.321	0.0
15.832	0.9	42.496	0.0	69.160	0.0	95.823	0.0	122.487	0.0
15.998	0.9	42.662	0.0	69.326	0.0	95.990	0.0	122.654	0.0
16.165	0.9	42.829	0.0	69.493	0.0	96.157	0.0	122.820	0.0
16.332	0.9	42.996	0.0	69.660	0.0	96.323	0.0	122.987	0.0
16.498	0.9	43.162	0.0	69.826	0.0	96.490	0.0	123.154	0.0
16.665	0.9	43.329	0.0	69.993	0.0	96.657	0.0	123.320	0.0
16.832	0.9	43.496	0.0	70.159	0.0	96.823	0.0	123.487	0.0
16.998	0.9	43.662	0.0	70.326	0.0	96.990	0.0	123.654	0.0
17.165	0.9	43.829	0.0	70.493	0.0	97.157	0.0	123.820	0.0
17.332	0.9	43.996	0.0	70.659	0.0	97.323	0.0	123.987	0.0
17.498	0.9	44.162	0.0	70.826	0.0	97.490	0.0	124.154	0.0
17.665	0.8	44.329	0.0	70.993	0.0	97.657	0.0	124.320	0.0
17.832	0.8	44.496	0.0	71.159	0.0	97.823	0.0	124.487	0.0

17.998	0.8	44.662	0.0	71.326	0.0	97.990	0.0	124.654	0.0
18.165	0.8	44.829	0.0	71.493	0.0	98.156	0.0	124.820	0.0
18.331	0.8	44.995	0.0	71.659	0.0	98.323	0.0	124.987	0.0
18.498	0.8	45.162	0.0	71.826	0.0	98.490	0.0	125.154	0.0
18.665	0.8	45.329	0.0	71.993	0.0	98.656	0.0	125.320	0.0
18.831	0.8	45.495	0.0	72.159	0.0	98.823	0.0	125.487	0.0
18.998	0.8	45.662	0.0	72.326	0.0	98.990	0.0	125.654	0.0
19.165	0.8	45.829	0.0	72.493	0.0	99.156	0.0	125.820	0.0
19.331	0.8	45.995	0.0	72.659	0.0	99.323	0.0	125.987	0.0
19.498	0.8	46.162	0.0	72.826	0.0	99.490	0.0	126.153	0.0
19.665	0.8	46.329	0.0	72.992	0.0	99.656	0.0	126.320	0.0
19.831	0.8	46.495	0.0	73.159	0.0	99.823	0.0	126.487	0.0
19.998	0.8	46.662	0.0	73.326	0.0	99.990	0.0	126.653	0.0
20.165	0.8	46.829	0.0	73.492	0.0	100.156	0.0	126.820	0.0
20.331	0.8	46.995	0.0	73.659	0.0	100.323	0.0	126.987	0.0
20.498	0.8	47.162	0.0	73.826	0.0	100.490	0.0	127.153	0.0
20.665	0.8	47.329	0.0	73.992	0.0	100.656	0.0	127.320	0.0
20.831	0.8	47.495	0.0	74.159	0.0	100.823	0.0	127.487	0.0
20.998	0.8	47.662	0.0	74.326	0.0	100.989	0.0	127.653	0.0
21.165	0.8	47.829	0.0	74.492	0.0	101.156	0.0	127.820	0.0
21.331	0.8	47.995	0.0	74.659	0.0	101.323	0.0	127.987	0.0
21.498	0.7	48.162	0.0	74.826	0.0	101.489	0.0	128.153	0.0
21.665	0.7	48.328	0.0	74.992	0.0	101.656	0.0	128.320	0.0
21.831	0.7	48.495	0.0	75.159	0.0	101.823	0.0	128.487	0.0
21.998	0.7	48.662	0.0	75.326	0.0	101.989	0.0	128.653	0.0
22.164	0.7	48.828	0.0	75.492	0.0	102.156	0.0	128.820	0.0
22.331	0.7	48.995	0.0	75.659	0.0	102.323	0.0	128.987	0.0
22.498	0.7	49.162	0.0	75.826	0.0	102.489	0.0	129.153	0.0
22.664	0.7	49.328	0.0	75.992	0.0	102.656	0.0	129.320	0.0
22.831	0.7	49.495	0.0	76.159	0.0	102.823	0.0	129.487	0.0
22.998	0.7	49.662	0.0	76.325	0.0	102.989	0.0	129.653	0.0
23.164	0.7	49.828	0.0	76.492	0.0	103.156	0.0	129.820	0.0
23.331	0.7	49.995	0.0	76.659	0.0	103.323	0.0	129.986	0.0
23.498	0.7	50.162	0.0	76.825	0.0	103.489	0.0	130.153	0.0
23.664	0.7	50.328	0.0	76.992	0.0	103.656	0.0	130.320	0.0
23.831	0.7	50.495	0.0	77.159	0.0	103.823	0.0	130.486	0.0
23.998	0.7	50.662	0.0	77.325	0.0	103.989	0.0	130.653	0.0
24.164	0.5	50.828	0.0	77.492	0.0	104.156	0.0	130.820	0.0
24.331	0.2	50.995	0.0	77.659	0.0	104.322	0.0	130.986	0.0
24.498	0.1	51.161	0.0	77.825	0.0	104.489	0.0	131.153	0.0
24.664	0.1	51.328	0.0	77.992	0.0	104.656	0.0	131.320	0.0
24.831	0.1	51.495	0.0	78.159	0.0	104.822	0.0	131.486	0.0
24.998	0.1	51.661	0.0	78.325	0.0	104.989	0.0	131.653	0.0

25.164	0.0	51.828	0.0	78.492	0.0	105.156	0.0	131.820	0.0
25.331	0.0	51.995	0.0	78.659	0.0	105.322	0.0	131.986	0.0
25.497	0.0	52.161	0.0	78.825	0.0	105.489	0.0	132.153	0.0
25.664	0.0	52.328	0.0	78.992	0.0	105.656	0.0	132.320	0.0
25.831	0.0	52.495	0.0	79.158	0.0	105.822	0.0	132.486	0.0
25.997	0.0	52.661	0.0	79.325	0.0	105.989	0.0	132.653	0.0
26.164	0.0	52.828	0.0	79.492	0.0	106.156	0.0	132.820	0.0
26.331	0.0	52.995	0.0	79.658	0.0	106.322	0.0	132.986	0.0
26.497	0.0	53.161	0.0	79.825	0.0	106.489	0.0	133.153	0.0

RUNOFF VOLUME = 2.09577 INCHES = 8.0558 ACRE-FEET
PEAK DISCHARGE RATE = 144.51 CFS AT 1.567 HOURS BASIN AREA = 0.0721 SQ. MI.

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*
ADD HYD              ID=15 HYDNO=301
                     ID=14 ID=7
PRINT HYD            ID=15 CODE=5
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HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	26.664	0.0	53.328	0.0	79.992	0.0	106.656	0.0
0.167	0.0	26.831	0.0	53.495	0.0	80.158	0.0	106.822	0.0
0.333	0.0	26.997	0.0	53.661	0.0	80.325	0.0	106.989	0.0
0.500	0.0	27.164	0.0	53.828	0.0	80.492	0.0	107.156	0.0
0.667	0.0	27.331	0.0	53.995	0.0	80.658	0.0	107.322	0.0
0.833	0.0	27.497	0.0	54.161	0.0	80.825	0.0	107.489	0.0
1.000	0.0	27.664	0.0	54.328	0.0	80.992	0.0	107.655	0.0
1.167	0.1	27.831	0.0	54.494	0.0	81.158	0.0	107.822	0.0
1.333	30.6	27.997	0.0	54.661	0.0	81.325	0.0	107.989	0.0
1.500	135.5	28.164	0.0	54.828	0.0	81.492	0.0	108.155	0.0
1.667	117.7	28.331	0.0	54.994	0.0	81.658	0.0	108.322	0.0
1.833	71.4	28.497	0.0	55.161	0.0	81.825	0.0	108.489	0.0
2.000	51.2	28.664	0.0	55.328	0.0	81.992	0.0	108.655	0.0
2.166	29.6	28.830	0.0	55.494	0.0	82.158	0.0	108.822	0.0
2.333	13.2	28.997	0.0	55.661	0.0	82.325	0.0	108.989	0.0
2.500	8.3	29.164	0.0	55.828	0.0	82.491	0.0	109.155	0.0
2.666	5.5	29.330	0.0	55.994	0.0	82.658	0.0	109.322	0.0
2.833	4.0	29.497	0.0	56.161	0.0	82.825	0.0	109.489	0.0
3.000	3.0	29.664	0.0	56.328	0.0	82.991	0.0	109.655	0.0

3.166	2.4	29.830	0.0	56.494	0.0	83.158	0.0	109.822	0.0
3.333	2.0	29.997	0.0	56.661	0.0	83.325	0.0	109.989	0.0
3.500	1.7	30.164	0.0	56.828	0.0	83.491	0.0	110.155	0.0
3.666	1.5	30.330	0.0	56.994	0.0	83.658	0.0	110.322	0.0
3.833	1.4	30.497	0.0	57.161	0.0	83.825	0.0	110.488	0.0
4.000	1.3	30.664	0.0	57.327	0.0	83.991	0.0	110.655	0.0
4.166	1.2	30.830	0.0	57.494	0.0	84.158	0.0	110.822	0.0
4.333	1.1	30.997	0.0	57.661	0.0	84.325	0.0	110.988	0.0
4.500	1.1	31.164	0.0	57.827	0.0	84.491	0.0	111.155	0.0
4.666	1.1	31.330	0.0	57.994	0.0	84.658	0.0	111.322	0.0
4.833	1.1	31.497	0.0	58.161	0.0	84.825	0.0	111.488	0.0
4.999	1.1	31.664	0.0	58.327	0.0	84.991	0.0	111.655	0.0
5.166	1.1	31.830	0.0	58.494	0.0	85.158	0.0	111.822	0.0
5.333	1.1	31.997	0.0	58.661	0.0	85.325	0.0	111.988	0.0
5.499	1.1	32.164	0.0	58.827	0.0	85.491	0.0	112.155	0.0
5.666	1.2	32.330	0.0	58.994	0.0	85.658	0.0	112.322	0.0
5.833	1.2	32.497	0.0	59.161	0.0	85.824	0.0	112.488	0.0
5.999	1.3	32.663	0.0	59.327	0.0	85.991	0.0	112.655	0.0
6.166	1.4	32.830	0.0	59.494	0.0	86.158	0.0	112.822	0.0
6.333	1.5	32.997	0.0	59.661	0.0	86.324	0.0	112.988	0.0
6.499	1.5	33.163	0.0	59.827	0.0	86.491	0.0	113.155	0.0
6.666	1.5	33.330	0.0	59.994	0.0	86.658	0.0	113.322	0.0
6.833	1.5	33.497	0.0	60.161	0.0	86.824	0.0	113.488	0.0
6.999	1.5	33.663	0.0	60.327	0.0	86.991	0.0	113.655	0.0
7.166	1.5	33.830	0.0	60.494	0.0	87.158	0.0	113.821	0.0
7.333	1.5	33.997	0.0	60.660	0.0	87.324	0.0	113.988	0.0
7.499	1.4	34.163	0.0	60.827	0.0	87.491	0.0	114.155	0.0
7.666	1.4	34.330	0.0	60.994	0.0	87.658	0.0	114.321	0.0
7.833	1.4	34.497	0.0	61.160	0.0	87.824	0.0	114.488	0.0
7.999	1.4	34.663	0.0	61.327	0.0	87.991	0.0	114.655	0.0
8.166	1.4	34.830	0.0	61.494	0.0	88.158	0.0	114.821	0.0
8.332	1.4	34.997	0.0	61.660	0.0	88.324	0.0	114.988	0.0
8.499	1.4	35.163	0.0	61.827	0.0	88.491	0.0	115.155	0.0
8.666	1.3	35.330	0.0	61.994	0.0	88.657	0.0	115.321	0.0
8.832	1.3	35.496	0.0	62.160	0.0	88.824	0.0	115.488	0.0
8.999	1.3	35.663	0.0	62.327	0.0	88.991	0.0	115.655	0.0
9.166	1.3	35.830	0.0	62.494	0.0	89.157	0.0	115.821	0.0
9.332	1.3	35.996	0.0	62.660	0.0	89.324	0.0	115.988	0.0
9.499	1.3	36.163	0.0	62.827	0.0	89.491	0.0	116.155	0.0
9.666	1.3	36.330	0.0	62.994	0.0	89.657	0.0	116.321	0.0
9.832	1.3	36.496	0.0	63.160	0.0	89.824	0.0	116.488	0.0
9.999	1.3	36.663	0.0	63.327	0.0	89.991	0.0	116.654	0.0
10.166	1.2	36.830	0.0	63.493	0.0	90.157	0.0	116.821	0.0

10.332	1.2	36.996	0.0	63.660	0.0	90.324	0.0	116.988	0.0
10.499	1.2	37.163	0.0	63.827	0.0	90.491	0.0	117.154	0.0
10.666	1.2	37.330	0.0	63.993	0.0	90.657	0.0	117.321	0.0
10.832	1.2	37.496	0.0	64.160	0.0	90.824	0.0	117.488	0.0
10.999	1.2	37.663	0.0	64.327	0.0	90.991	0.0	117.654	0.0
11.166	1.2	37.830	0.0	64.493	0.0	91.157	0.0	117.821	0.0
11.332	1.2	37.996	0.0	64.660	0.0	91.324	0.0	117.988	0.0
11.499	1.2	38.163	0.0	64.827	0.0	91.491	0.0	118.154	0.0
11.665	1.1	38.330	0.0	64.993	0.0	91.657	0.0	118.321	0.0
11.832	1.1	38.496	0.0	65.160	0.0	91.824	0.0	118.488	0.0
11.999	1.1	38.663	0.0	65.327	0.0	91.990	0.0	118.654	0.0
12.165	1.1	38.829	0.0	65.493	0.0	92.157	0.0	118.821	0.0
12.332	1.1	38.996	0.0	65.660	0.0	92.324	0.0	118.988	0.0
12.499	1.1	39.163	0.0	65.827	0.0	92.490	0.0	119.154	0.0
12.665	1.1	39.329	0.0	65.993	0.0	92.657	0.0	119.321	0.0
12.832	1.1	39.496	0.0	66.160	0.0	92.824	0.0	119.488	0.0
12.999	1.1	39.663	0.0	66.327	0.0	92.990	0.0	119.654	0.0
13.165	1.1	39.829	0.0	66.493	0.0	93.157	0.0	119.821	0.0
13.332	1.1	39.996	0.0	66.660	0.0	93.324	0.0	119.987	0.0
13.499	1.1	40.163	0.0	66.826	0.0	93.490	0.0	120.154	0.0
13.665	1.0	40.329	0.0	66.993	0.0	93.657	0.0	120.321	0.0
13.832	1.0	40.496	0.0	67.160	0.0	93.824	0.0	120.487	0.0
13.999	1.0	40.663	0.0	67.326	0.0	93.990	0.0	120.654	0.0
14.165	1.0	40.829	0.0	67.493	0.0	94.157	0.0	120.821	0.0
14.332	1.0	40.996	0.0	67.660	0.0	94.324	0.0	120.987	0.0
14.499	1.0	41.163	0.0	67.826	0.0	94.490	0.0	121.154	0.0
14.665	1.0	41.329	0.0	67.993	0.0	94.657	0.0	121.321	0.0
14.832	1.0	41.496	0.0	68.160	0.0	94.823	0.0	121.487	0.0
14.998	1.0	41.662	0.0	68.326	0.0	94.990	0.0	121.654	0.0
15.165	1.0	41.829	0.0	68.493	0.0	95.157	0.0	121.821	0.0
15.332	1.0	41.996	0.0	68.660	0.0	95.323	0.0	121.987	0.0
15.498	1.0	42.162	0.0	68.826	0.0	95.490	0.0	122.154	0.0
15.665	1.0	42.329	0.0	68.993	0.0	95.657	0.0	122.321	0.0
15.832	0.9	42.496	0.0	69.160	0.0	95.823	0.0	122.487	0.0
15.998	0.9	42.662	0.0	69.326	0.0	95.990	0.0	122.654	0.0
16.165	0.9	42.829	0.0	69.493	0.0	96.157	0.0	122.820	0.0
16.332	0.9	42.996	0.0	69.660	0.0	96.323	0.0	122.987	0.0
16.498	0.9	43.162	0.0	69.826	0.0	96.490	0.0	123.154	0.0
16.665	0.9	43.329	0.0	69.993	0.0	96.657	0.0	123.320	0.0
16.832	0.9	43.496	0.0	70.159	0.0	96.823	0.0	123.487	0.0
16.998	0.9	43.662	0.0	70.326	0.0	96.990	0.0	123.654	0.0
17.165	0.9	43.829	0.0	70.493	0.0	97.157	0.0	123.820	0.0
17.332	0.9	43.996	0.0	70.659	0.0	97.323	0.0	123.987	0.0

17.498	0.9	44.162	0.0	70.826	0.0	97.490	0.0	124.154	0.0
17.665	0.9	44.329	0.0	70.993	0.0	97.657	0.0	124.320	0.0
17.832	0.9	44.496	0.0	71.159	0.0	97.823	0.0	124.487	0.0
17.998	0.9	44.662	0.0	71.326	0.0	97.990	0.0	124.654	0.0
18.165	0.9	44.829	0.0	71.493	0.0	98.156	0.0	124.820	0.0
18.331	0.9	44.995	0.0	71.659	0.0	98.323	0.0	124.987	0.0
18.498	0.9	45.162	0.0	71.826	0.0	98.490	0.0	125.154	0.0
18.665	0.9	45.329	0.0	71.993	0.0	98.656	0.0	125.320	0.0
18.831	0.8	45.495	0.0	72.159	0.0	98.823	0.0	125.487	0.0
18.998	0.8	45.662	0.0	72.326	0.0	98.990	0.0	125.654	0.0
19.165	0.8	45.829	0.0	72.493	0.0	99.156	0.0	125.820	0.0
19.331	0.8	45.995	0.0	72.659	0.0	99.323	0.0	125.987	0.0
19.498	0.8	46.162	0.0	72.826	0.0	99.490	0.0	126.153	0.0
19.665	0.8	46.329	0.0	72.992	0.0	99.656	0.0	126.320	0.0
19.831	0.8	46.495	0.0	73.159	0.0	99.823	0.0	126.487	0.0
19.998	0.8	46.662	0.0	73.326	0.0	99.990	0.0	126.653	0.0
20.165	0.8	46.829	0.0	73.492	0.0	100.156	0.0	126.820	0.0
20.331	0.8	46.995	0.0	73.659	0.0	100.323	0.0	126.987	0.0
20.498	0.8	47.162	0.0	73.826	0.0	100.490	0.0	127.153	0.0
20.665	0.8	47.329	0.0	73.992	0.0	100.656	0.0	127.320	0.0
20.831	0.8	47.495	0.0	74.159	0.0	100.823	0.0	127.487	0.0
20.998	0.8	47.662	0.0	74.326	0.0	100.989	0.0	127.653	0.0
21.165	0.8	47.829	0.0	74.492	0.0	101.156	0.0	127.820	0.0
21.331	0.8	47.995	0.0	74.659	0.0	101.323	0.0	127.987	0.0
21.498	0.8	48.162	0.0	74.826	0.0	101.489	0.0	128.153	0.0
21.665	0.8	48.328	0.0	74.992	0.0	101.656	0.0	128.320	0.0
21.831	0.8	48.495	0.0	75.159	0.0	101.823	0.0	128.487	0.0
21.998	0.8	48.662	0.0	75.326	0.0	101.989	0.0	128.653	0.0
22.164	0.8	48.828	0.0	75.492	0.0	102.156	0.0	128.820	0.0
22.331	0.8	48.995	0.0	75.659	0.0	102.323	0.0	128.987	0.0
22.498	0.8	49.162	0.0	75.826	0.0	102.489	0.0	129.153	0.0
22.664	0.7	49.328	0.0	75.992	0.0	102.656	0.0	129.320	0.0
22.831	0.7	49.495	0.0	76.159	0.0	102.823	0.0	129.487	0.0
22.998	0.7	49.662	0.0	76.325	0.0	102.989	0.0	129.653	0.0
23.164	0.7	49.828	0.0	76.492	0.0	103.156	0.0	129.820	0.0
23.331	0.7	49.995	0.0	76.659	0.0	103.323	0.0	129.986	0.0
23.498	0.7	50.162	0.0	76.825	0.0	103.489	0.0	130.153	0.0
23.664	0.7	50.328	0.0	76.992	0.0	103.656	0.0	130.320	0.0
23.831	0.7	50.495	0.0	77.159	0.0	103.823	0.0	130.486	0.0
23.998	0.7	50.662	0.0	77.325	0.0	103.989	0.0	130.653	0.0
24.164	0.5	50.828	0.0	77.492	0.0	104.156	0.0	130.820	0.0
24.331	0.2	50.995	0.0	77.659	0.0	104.322	0.0	130.986	0.0
24.498	0.1	51.161	0.0	77.825	0.0	104.489	0.0	131.153	0.0

24.664	0.1	51.328	0.0	77.992	0.0	104.656	0.0	131.320	0.0
24.831	0.1	51.495	0.0	78.159	0.0	104.822	0.0	131.486	0.0
24.998	0.1	51.661	0.0	78.325	0.0	104.989	0.0	131.653	0.0
25.164	0.0	51.828	0.0	78.492	0.0	105.156	0.0	131.820	0.0
25.331	0.0	51.995	0.0	78.659	0.0	105.322	0.0	131.986	0.0
25.497	0.0	52.161	0.0	78.825	0.0	105.489	0.0	132.153	0.0
25.664	0.0	52.328	0.0	78.992	0.0	105.656	0.0	132.320	0.0
25.831	0.0	52.495	0.0	79.158	0.0	105.822	0.0	132.486	0.0
25.997	0.0	52.661	0.0	79.325	0.0	105.989	0.0	132.653	0.0
26.164	0.0	52.828	0.0	79.492	0.0	106.156	0.0	132.820	0.0
26.331	0.0	52.995	0.0	79.658	0.0	106.322	0.0	132.986	0.0
26.497	0.0	53.161	0.0	79.825	0.0	106.489	0.0	133.153	0.0

RUNOFF VOLUME = 2.10050 INCHES = 8.4221 ACRE-FEET
PEAK DISCHARGE RATE = 151.70 CFS AT 1.567 HOURS BASIN AREA = 0.0752 SQ. MI.

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*
ADD HYD              ID=16 HYDNO=301
                     ID=15 ID=8
PRINT HYD            ID=16 CODE=5
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HYDROGRAPH FROM AREA 301.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
0.000	0.0	26.664	0.0	53.328	0.0	79.992	0.0	106.656	0.0
0.167	0.0	26.831	0.0	53.495	0.0	80.158	0.0	106.822	0.0
0.333	0.0	26.997	0.0	53.661	0.0	80.325	0.0	106.989	0.0
0.500	0.0	27.164	0.0	53.828	0.0	80.492	0.0	107.156	0.0
0.667	0.0	27.331	0.0	53.995	0.0	80.658	0.0	107.322	0.0
0.833	0.0	27.497	0.0	54.161	0.0	80.825	0.0	107.489	0.0
1.000	0.0	27.664	0.0	54.328	0.0	80.992	0.0	107.655	0.0
1.167	0.1	27.831	0.0	54.494	0.0	81.158	0.0	107.822	0.0
1.333	31.8	27.997	0.0	54.661	0.0	81.325	0.0	107.989	0.0
1.500	141.3	28.164	0.0	54.828	0.0	81.492	0.0	108.155	0.0
1.667	121.7	28.331	0.0	54.994	0.0	81.658	0.0	108.322	0.0
1.833	73.8	28.497	0.0	55.161	0.0	81.825	0.0	108.489	0.0
2.000	52.9	28.664	0.0	55.328	0.0	81.992	0.0	108.655	0.0
2.166	30.6	28.830	0.0	55.494	0.0	82.158	0.0	108.822	0.0
2.333	13.7	28.997	0.0	55.661	0.0	82.325	0.0	108.989	0.0
2.500	8.6	29.164	0.0	55.828	0.0	82.491	0.0	109.155	0.0

2.666	5.7	29.330	0.0	55.994	0.0	82.658	0.0	109.322	0.0
2.833	4.1	29.497	0.0	56.161	0.0	82.825	0.0	109.489	0.0
3.000	3.1	29.664	0.0	56.328	0.0	82.991	0.0	109.655	0.0
3.166	2.5	29.830	0.0	56.494	0.0	83.158	0.0	109.822	0.0
3.333	2.0	29.997	0.0	56.661	0.0	83.325	0.0	109.989	0.0
3.500	1.8	30.164	0.0	56.828	0.0	83.491	0.0	110.155	0.0
3.666	1.5	30.330	0.0	56.994	0.0	83.658	0.0	110.322	0.0
3.833	1.4	30.497	0.0	57.161	0.0	83.825	0.0	110.488	0.0
4.000	1.3	30.664	0.0	57.327	0.0	83.991	0.0	110.655	0.0
4.166	1.2	30.830	0.0	57.494	0.0	84.158	0.0	110.822	0.0
4.333	1.2	30.997	0.0	57.661	0.0	84.325	0.0	110.988	0.0
4.500	1.1	31.164	0.0	57.827	0.0	84.491	0.0	111.155	0.0
4.666	1.1	31.330	0.0	57.994	0.0	84.658	0.0	111.322	0.0
4.833	1.1	31.497	0.0	58.161	0.0	84.825	0.0	111.488	0.0
4.999	1.1	31.664	0.0	58.327	0.0	84.991	0.0	111.655	0.0
5.166	1.1	31.830	0.0	58.494	0.0	85.158	0.0	111.822	0.0
5.333	1.2	31.997	0.0	58.661	0.0	85.325	0.0	111.988	0.0
5.499	1.2	32.164	0.0	58.827	0.0	85.491	0.0	112.155	0.0
5.666	1.2	32.330	0.0	58.994	0.0	85.658	0.0	112.322	0.0
5.833	1.2	32.497	0.0	59.161	0.0	85.824	0.0	112.488	0.0
5.999	1.3	32.663	0.0	59.327	0.0	85.991	0.0	112.655	0.0
6.166	1.4	32.830	0.0	59.494	0.0	86.158	0.0	112.822	0.0
6.333	1.5	32.997	0.0	59.661	0.0	86.324	0.0	112.988	0.0
6.499	1.5	33.163	0.0	59.827	0.0	86.491	0.0	113.155	0.0
6.666	1.5	33.330	0.0	59.994	0.0	86.658	0.0	113.322	0.0
6.833	1.5	33.497	0.0	60.161	0.0	86.824	0.0	113.488	0.0
6.999	1.5	33.663	0.0	60.327	0.0	86.991	0.0	113.655	0.0
7.166	1.5	33.830	0.0	60.494	0.0	87.158	0.0	113.821	0.0
7.333	1.5	33.997	0.0	60.660	0.0	87.324	0.0	113.988	0.0
7.499	1.5	34.163	0.0	60.827	0.0	87.491	0.0	114.155	0.0
7.666	1.5	34.330	0.0	60.994	0.0	87.658	0.0	114.321	0.0
7.833	1.5	34.497	0.0	61.160	0.0	87.824	0.0	114.488	0.0
7.999	1.4	34.663	0.0	61.327	0.0	87.991	0.0	114.655	0.0
8.166	1.4	34.830	0.0	61.494	0.0	88.158	0.0	114.821	0.0
8.332	1.4	34.997	0.0	61.660	0.0	88.324	0.0	114.988	0.0
8.499	1.4	35.163	0.0	61.827	0.0	88.491	0.0	115.155	0.0
8.666	1.4	35.330	0.0	61.994	0.0	88.657	0.0	115.321	0.0
8.832	1.4	35.496	0.0	62.160	0.0	88.824	0.0	115.488	0.0
8.999	1.4	35.663	0.0	62.327	0.0	88.991	0.0	115.655	0.0
9.166	1.4	35.830	0.0	62.494	0.0	89.157	0.0	115.821	0.0
9.332	1.3	35.996	0.0	62.660	0.0	89.324	0.0	115.988	0.0
9.499	1.3	36.163	0.0	62.827	0.0	89.491	0.0	116.155	0.0
9.666	1.3	36.330	0.0	62.994	0.0	89.657	0.0	116.321	0.0

9.832	1.3	36.496	0.0	63.160	0.0	89.824	0.0	116.488	0.0
9.999	1.3	36.663	0.0	63.327	0.0	89.991	0.0	116.654	0.0
10.166	1.3	36.830	0.0	63.493	0.0	90.157	0.0	116.821	0.0
10.332	1.3	36.996	0.0	63.660	0.0	90.324	0.0	116.988	0.0
10.499	1.3	37.163	0.0	63.827	0.0	90.491	0.0	117.154	0.0
10.666	1.3	37.330	0.0	63.993	0.0	90.657	0.0	117.321	0.0
10.832	1.2	37.496	0.0	64.160	0.0	90.824	0.0	117.488	0.0
10.999	1.2	37.663	0.0	64.327	0.0	90.991	0.0	117.654	0.0
11.166	1.2	37.830	0.0	64.493	0.0	91.157	0.0	117.821	0.0
11.332	1.2	37.996	0.0	64.660	0.0	91.324	0.0	117.988	0.0
11.499	1.2	38.163	0.0	64.827	0.0	91.491	0.0	118.154	0.0
11.665	1.2	38.330	0.0	64.993	0.0	91.657	0.0	118.321	0.0
11.832	1.2	38.496	0.0	65.160	0.0	91.824	0.0	118.488	0.0
11.999	1.2	38.663	0.0	65.327	0.0	91.990	0.0	118.654	0.0
12.165	1.2	38.829	0.0	65.493	0.0	92.157	0.0	118.821	0.0
12.332	1.1	38.996	0.0	65.660	0.0	92.324	0.0	118.988	0.0
12.499	1.1	39.163	0.0	65.827	0.0	92.490	0.0	119.154	0.0
12.665	1.1	39.329	0.0	65.993	0.0	92.657	0.0	119.321	0.0
12.832	1.1	39.496	0.0	66.160	0.0	92.824	0.0	119.488	0.0
12.999	1.1	39.663	0.0	66.327	0.0	92.990	0.0	119.654	0.0
13.165	1.1	39.829	0.0	66.493	0.0	93.157	0.0	119.821	0.0
13.332	1.1	39.996	0.0	66.660	0.0	93.324	0.0	119.987	0.0
13.499	1.1	40.163	0.0	66.826	0.0	93.490	0.0	120.154	0.0
13.665	1.1	40.329	0.0	66.993	0.0	93.657	0.0	120.321	0.0
13.832	1.1	40.496	0.0	67.160	0.0	93.824	0.0	120.487	0.0
13.999	1.1	40.663	0.0	67.326	0.0	93.990	0.0	120.654	0.0
14.165	1.1	40.829	0.0	67.493	0.0	94.157	0.0	120.821	0.0
14.332	1.0	40.996	0.0	67.660	0.0	94.324	0.0	120.987	0.0
14.499	1.0	41.163	0.0	67.826	0.0	94.490	0.0	121.154	0.0
14.665	1.0	41.329	0.0	67.993	0.0	94.657	0.0	121.321	0.0
14.832	1.0	41.496	0.0	68.160	0.0	94.823	0.0	121.487	0.0
14.998	1.0	41.662	0.0	68.326	0.0	94.990	0.0	121.654	0.0
15.165	1.0	41.829	0.0	68.493	0.0	95.157	0.0	121.821	0.0
15.332	1.0	41.996	0.0	68.660	0.0	95.323	0.0	121.987	0.0
15.498	1.0	42.162	0.0	68.826	0.0	95.490	0.0	122.154	0.0
15.665	1.0	42.329	0.0	68.993	0.0	95.657	0.0	122.321	0.0
15.832	1.0	42.496	0.0	69.160	0.0	95.823	0.0	122.487	0.0
15.998	1.0	42.662	0.0	69.326	0.0	95.990	0.0	122.654	0.0
16.165	1.0	42.829	0.0	69.493	0.0	96.157	0.0	122.820	0.0
16.332	1.0	42.996	0.0	69.660	0.0	96.323	0.0	122.987	0.0
16.498	1.0	43.162	0.0	69.826	0.0	96.490	0.0	123.154	0.0
16.665	1.0	43.329	0.0	69.993	0.0	96.657	0.0	123.320	0.0
16.832	0.9	43.496	0.0	70.159	0.0	96.823	0.0	123.487	0.0

16.998	0.9	43.662	0.0	70.326	0.0	96.990	0.0	123.654	0.0
17.165	0.9	43.829	0.0	70.493	0.0	97.157	0.0	123.820	0.0
17.332	0.9	43.996	0.0	70.659	0.0	97.323	0.0	123.987	0.0
17.498	0.9	44.162	0.0	70.826	0.0	97.490	0.0	124.154	0.0
17.665	0.9	44.329	0.0	70.993	0.0	97.657	0.0	124.320	0.0
17.832	0.9	44.496	0.0	71.159	0.0	97.823	0.0	124.487	0.0
17.998	0.9	44.662	0.0	71.326	0.0	97.990	0.0	124.654	0.0
18.165	0.9	44.829	0.0	71.493	0.0	98.156	0.0	124.820	0.0
18.331	0.9	44.995	0.0	71.659	0.0	98.323	0.0	124.987	0.0
18.498	0.9	45.162	0.0	71.826	0.0	98.490	0.0	125.154	0.0
18.665	0.9	45.329	0.0	71.993	0.0	98.656	0.0	125.320	0.0
18.831	0.9	45.495	0.0	72.159	0.0	98.823	0.0	125.487	0.0
18.998	0.9	45.662	0.0	72.326	0.0	98.990	0.0	125.654	0.0
19.165	0.9	45.829	0.0	72.493	0.0	99.156	0.0	125.820	0.0
19.331	0.9	45.995	0.0	72.659	0.0	99.323	0.0	125.987	0.0
19.498	0.9	46.162	0.0	72.826	0.0	99.490	0.0	126.153	0.0
19.665	0.9	46.329	0.0	72.992	0.0	99.656	0.0	126.320	0.0
19.831	0.9	46.495	0.0	73.159	0.0	99.823	0.0	126.487	0.0
19.998	0.8	46.662	0.0	73.326	0.0	99.990	0.0	126.653	0.0
20.165	0.8	46.829	0.0	73.492	0.0	100.156	0.0	126.820	0.0
20.331	0.8	46.995	0.0	73.659	0.0	100.323	0.0	126.987	0.0
20.498	0.8	47.162	0.0	73.826	0.0	100.490	0.0	127.153	0.0
20.665	0.8	47.329	0.0	73.992	0.0	100.656	0.0	127.320	0.0
20.831	0.8	47.495	0.0	74.159	0.0	100.823	0.0	127.487	0.0
20.998	0.8	47.662	0.0	74.326	0.0	100.989	0.0	127.653	0.0
21.165	0.8	47.829	0.0	74.492	0.0	101.156	0.0	127.820	0.0
21.331	0.8	47.995	0.0	74.659	0.0	101.323	0.0	127.987	0.0
21.498	0.8	48.162	0.0	74.826	0.0	101.489	0.0	128.153	0.0
21.665	0.8	48.328	0.0	74.992	0.0	101.656	0.0	128.320	0.0
21.831	0.8	48.495	0.0	75.159	0.0	101.823	0.0	128.487	0.0
21.998	0.8	48.662	0.0	75.326	0.0	101.989	0.0	128.653	0.0
22.164	0.8	48.828	0.0	75.492	0.0	102.156	0.0	128.820	0.0
22.331	0.8	48.995	0.0	75.659	0.0	102.323	0.0	128.987	0.0
22.498	0.8	49.162	0.0	75.826	0.0	102.489	0.0	129.153	0.0
22.664	0.8	49.328	0.0	75.992	0.0	102.656	0.0	129.320	0.0
22.831	0.8	49.495	0.0	76.159	0.0	102.823	0.0	129.487	0.0
22.998	0.8	49.662	0.0	76.325	0.0	102.989	0.0	129.653	0.0
23.164	0.8	49.828	0.0	76.492	0.0	103.156	0.0	129.820	0.0
23.331	0.8	49.995	0.0	76.659	0.0	103.323	0.0	129.986	0.0
23.498	0.8	50.162	0.0	76.825	0.0	103.489	0.0	130.153	0.0
23.664	0.8	50.328	0.0	76.992	0.0	103.656	0.0	130.320	0.0
23.831	0.7	50.495	0.0	77.159	0.0	103.823	0.0	130.486	0.0
23.998	0.7	50.662	0.0	77.325	0.0	103.989	0.0	130.653	0.0

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    24.164       0.5         50.828       0.0         77.492       0.0         104.156       0.0         130.820       0.0
    24.331       0.2         50.995       0.0         77.659       0.0         104.322       0.0         130.986       0.0
    24.498       0.1         51.161       0.0         77.825       0.0         104.489       0.0         131.153       0.0
    24.664       0.1         51.328       0.0         77.992       0.0         104.656       0.0         131.320       0.0
    24.831       0.1         51.495       0.0         78.159       0.0         104.822       0.0         131.486       0.0
    24.998       0.1         51.661       0.0         78.325       0.0         104.989       0.0         131.653       0.0
    25.164       0.0         51.828       0.0         78.492       0.0         105.156       0.0         131.820       0.0
    25.331       0.0         51.995       0.0         78.659       0.0         105.322       0.0         131.986       0.0
    25.497       0.0         52.161       0.0         78.825       0.0         105.489       0.0         132.153       0.0
    25.664       0.0         52.328       0.0         78.992       0.0         105.656       0.0         132.320       0.0
    25.831       0.0         52.495       0.0         79.158       0.0         105.822       0.0         132.486       0.0
    25.997       0.0         52.661       0.0         79.325       0.0         105.989       0.0         132.653       0.0
    26.164       0.0         52.828       0.0         79.492       0.0         106.156       0.0         132.820       0.0
    26.331       0.0         52.995       0.0         79.658       0.0         106.322       0.0         132.986       0.0
    26.497       0.0         53.161       0.0         79.825       0.0         106.489       0.0         133.153       0.0

    RUNOFF VOLUME =     2.10411 INCHES     =       8.7232 ACRE-FEET
    PEAK DISCHARGE RATE =     157.61 CFS  AT   1.567 HOURS   BASIN AREA =  0.0777 SQ. MI.


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************************************************************
ROUTE RESERVOIR       ID=20 HYD=301 INFLOW ID=16 CODE=5
                      OUTFLOW          STORAGE        ELEV
                       (CFS)           (AC-FT)        (FT
                             0.00         0.0000          4998
                             0.85         0.0153          4999
                             1.27         0.1487          5000
                             1.57         0.9548          5001
                             1.81         1.9868          5002
                             2.03         3.1062          5003
                             2.23         4.2974          5004
                             2.41         5.5558          5005
                             2.50         6.2122          5005.5
                             2.66         7.6172          5006.5
                             3.17         7.7668          5006.6
                             8.28         8.3754          5007
                      PRINT HYD             ID=20 CODE=5


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TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
0.00	0.00	4998.00	0.000	0.00
0.17	0.00	4998.00	0.000	0.00
0.33	0.00	4998.00	0.000	0.00
0.50	0.00	4998.00	0.000	0.00
0.67	0.00	4998.00	0.000	0.00
0.83	0.00	4998.00	0.000	0.00
1.00	0.00	4998.00	0.000	0.00
1.17	0.14	4998.01	0.000	0.01
1.33	31.84	4999.87	0.131	1.21
1.50	141.30	5001.29	1.256	1.64
1.67	121.71	5003.11	3.235	2.05
1.83	73.84	5004.16	4.500	2.26
2.00	52.93	5004.82	5.329	2.38
2.17	30.61	5005.26	5.892	2.46
2.33	13.67	5005.44	6.138	2.49
2.50	8.57	5005.53	6.252	2.50
2.67	5.73	5005.57	6.315	2.51
2.83	4.08	5005.60	6.346	2.52
3.00	3.12	5005.61	6.361	2.52
3.17	2.48	5005.61	6.364	2.52
3.33	2.04	5005.61	6.361	2.52
3.50	1.75	5005.60	6.352	2.52
3.67	1.55	5005.59	6.340	2.51
3.83	1.40	5005.58	6.326	2.51
4.00	1.30	5005.57	6.310	2.51
4.17	1.23	5005.56	6.292	2.51
4.33	1.17	5005.54	6.274	2.51
4.50	1.15	5005.53	6.256	2.50
4.67	1.13	5005.52	6.237	2.50
4.83	1.12	5005.50	6.218	2.50
5.00	1.12	5005.49	6.199	2.50
5.17	1.14	5005.48	6.180	2.50
5.33	1.16	5005.46	6.162	2.49
5.50	1.17	5005.45	6.143	2.49
5.67	1.21	5005.43	6.125	2.49
5.83	1.25	5005.42	6.108	2.49
6.00	1.30	5005.41	6.091	2.48
6.17	1.42	5005.40	6.076	2.48
6.33	1.52	5005.39	6.062	2.48

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
6.50	1.54	5005.38	6.049	2.48
6.67	1.54	5005.37	6.036	2.48
6.83	1.53	5005.36	6.023	2.47
7.00	1.52	5005.35	6.010	2.47
7.17	1.51	5005.34	5.997	2.47
7.33	1.51	5005.33	5.984	2.47
7.50	1.49	5005.32	5.970	2.47
7.67	1.48	5005.31	5.957	2.46
7.83	1.46	5005.29	5.943	2.46
8.00	1.45	5005.28	5.929	2.46
8.17	1.44	5005.27	5.915	2.46
8.33	1.42	5005.26	5.901	2.46
8.50	1.41	5005.25	5.887	2.46
8.67	1.39	5005.24	5.872	2.45
8.83	1.38	5005.23	5.858	2.45
9.00	1.38	5005.22	5.843	2.45
9.17	1.36	5005.21	5.828	2.45
9.33	1.34	5005.20	5.813	2.45
9.50	1.33	5005.18	5.798	2.44
9.67	1.32	5005.17	5.782	2.44
9.83	1.31	5005.16	5.767	2.44
10.00	1.30	5005.15	5.751	2.44
10.17	1.28	5005.14	5.735	2.43
10.33	1.27	5005.12	5.719	2.43
10.50	1.26	5005.11	5.703	2.43
10.67	1.25	5005.10	5.687	2.43
10.83	1.24	5005.09	5.671	2.43
11.00	1.23	5005.08	5.654	2.42
11.17	1.22	5005.06	5.638	2.42
11.33	1.21	5005.05	5.621	2.42
11.50	1.20	5005.04	5.604	2.42
11.67	1.18	5005.02	5.588	2.41
11.83	1.18	5005.01	5.571	2.41
12.00	1.16	5005.00	5.554	2.41
12.17	1.16	5004.98	5.536	2.41
12.33	1.15	5004.97	5.519	2.40
12.50	1.14	5004.96	5.502	2.40
12.67	1.13	5004.94	5.484	2.40
12.83	1.12	5004.93	5.467	2.40
13.00	1.11	5004.92	5.449	2.39

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
13.17	1.10	5004.90	5.432	2.39
13.33	1.09	5004.89	5.414	2.39
13.50	1.09	5004.87	5.396	2.39
13.67	1.08	5004.86	5.378	2.38
13.83	1.07	5004.84	5.360	2.38
14.00	1.06	5004.83	5.342	2.38
14.17	1.06	5004.82	5.324	2.38
14.33	1.05	5004.80	5.305	2.37
14.50	1.04	5004.79	5.287	2.37
14.67	1.03	5004.77	5.269	2.37
14.83	1.02	5004.76	5.250	2.37
15.00	1.02	5004.74	5.232	2.36
15.17	1.01	5004.73	5.213	2.36
15.33	1.00	5004.71	5.195	2.36
15.50	1.00	5004.70	5.176	2.36
15.67	1.00	5004.68	5.157	2.35
15.83	0.98	5004.67	5.139	2.35
16.00	0.98	5004.65	5.120	2.35
16.17	0.97	5004.64	5.101	2.34
16.33	0.97	5004.62	5.082	2.34
16.50	0.96	5004.61	5.063	2.34
16.67	0.95	5004.59	5.044	2.34
16.83	0.94	5004.58	5.025	2.33
17.00	0.94	5004.56	5.006	2.33
17.16	0.94	5004.55	4.986	2.33
17.33	0.93	5004.53	4.967	2.33
17.50	0.92	5004.52	4.948	2.32
17.66	0.92	5004.50	4.929	2.32
17.83	0.91	5004.49	4.909	2.32
18.00	0.90	5004.47	4.890	2.31
18.16	0.90	5004.46	4.871	2.31
18.33	0.90	5004.44	4.851	2.31
18.50	0.88	5004.42	4.832	2.31
18.66	0.89	5004.41	4.812	2.30
18.83	0.88	5004.39	4.793	2.30
19.00	0.88	5004.38	4.773	2.30
19.16	0.87	5004.36	4.753	2.30
19.33	0.86	5004.35	4.734	2.29
19.50	0.86	5004.33	4.714	2.29
19.66	0.85	5004.32	4.694	2.29

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
19.83	0.85	5004.30	4.674	2.28
20.00	0.84	5004.28	4.655	2.28
20.16	0.84	5004.27	4.635	2.28
20.33	0.83	5004.25	4.615	2.28
20.50	0.83	5004.24	4.595	2.27
20.66	0.83	5004.22	4.575	2.27
20.83	0.82	5004.21	4.555	2.27
21.00	0.82	5004.19	4.536	2.26
21.16	0.81	5004.17	4.516	2.26
21.33	0.81	5004.16	4.496	2.26
21.50	0.80	5004.14	4.476	2.26
21.66	0.80	5004.13	4.456	2.25
21.83	0.80	5004.11	4.436	2.25
22.00	0.79	5004.09	4.416	2.25
22.16	0.79	5004.08	4.396	2.24
22.33	0.78	5004.06	4.376	2.24
22.50	0.78	5004.05	4.355	2.24
22.66	0.78	5004.03	4.335	2.24
22.83	0.77	5004.01	4.315	2.23
23.00	0.77	5004.00	4.295	2.23
23.16	0.76	5003.98	4.275	2.23
23.33	0.77	5003.96	4.255	2.22
23.50	0.76	5003.95	4.235	2.22
23.66	0.75	5003.93	4.215	2.22
23.83	0.75	5003.91	4.194	2.21
24.00	0.75	5003.90	4.174	2.21
24.16	0.49	5003.88	4.153	2.21
24.33	0.20	5003.86	4.127	2.20
24.50	0.14	5003.83	4.099	2.20
24.66	0.10	5003.81	4.070	2.19
24.83	0.07	5003.79	4.041	2.19
25.00	0.05	5003.76	4.012	2.18
25.16	0.04	5003.74	3.983	2.18
25.33	0.03	5003.71	3.953	2.17
25.50	0.03	5003.69	3.924	2.17
25.66	0.02	5003.66	3.894	2.16
25.83	0.02	5003.64	3.865	2.16
26.00	0.01	5003.61	3.835	2.15
26.16	0.01	5003.59	3.806	2.15
26.33	0.01	5003.56	3.776	2.14

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
26.50	0.01	5003.54	3.747	2.14
26.66	0.01	5003.51	3.718	2.13
26.83	0.01	5003.49	3.689	2.13
27.00	0.01	5003.46	3.660	2.12
27.16	0.01	5003.44	3.630	2.12
27.33	0.01	5003.42	3.601	2.11
27.50	0.01	5003.39	3.573	2.11
27.66	0.01	5003.37	3.544	2.10
27.83	0.01	5003.34	3.515	2.10
28.00	0.01	5003.32	3.486	2.09
28.16	0.01	5003.29	3.457	2.09
28.33	0.01	5003.27	3.429	2.08
28.50	0.01	5003.25	3.400	2.08
28.66	0.01	5003.22	3.372	2.07
28.83	0.01	5003.20	3.343	2.07
29.00	0.01	5003.18	3.315	2.07
29.16	0.01	5003.15	3.287	2.06
29.33	0.01	5003.13	3.259	2.06
29.50	0.01	5003.10	3.230	2.05
29.66	0.01	5003.08	3.202	2.05
29.83	0.01	5003.06	3.174	2.04
30.00	0.01	5003.03	3.146	2.04
30.16	0.01	5003.01	3.119	2.03
30.33	0.01	5002.99	3.091	2.03
30.50	0.01	5002.96	3.063	2.02
30.66	0.01	5002.94	3.035	2.02
30.83	0.01	5002.91	3.008	2.01
31.00	0.01	5002.89	2.980	2.01
31.16	0.01	5002.86	2.953	2.00
31.33	0.01	5002.84	2.925	1.99
31.50	0.01	5002.81	2.898	1.99
31.66	0.01	5002.79	2.871	1.98
31.83	0.01	5002.77	2.844	1.98
32.00	0.01	5002.74	2.817	1.97
32.16	0.01	5002.72	2.790	1.97
32.33	0.01	5002.69	2.763	1.96
32.50	0.01	5002.67	2.736	1.96
32.66	0.01	5002.65	2.709	1.95
32.83	0.01	5002.62	2.682	1.95
33.00	0.01	5002.60	2.656	1.94

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
33.16	0.01	5002.57	2.629	1.94
33.33	0.01	5002.55	2.603	1.93
33.50	0.01	5002.53	2.576	1.93
33.66	0.01	5002.50	2.550	1.92
33.83	0.01	5002.48	2.524	1.92
34.00	0.01	5002.46	2.497	1.91
34.16	0.01	5002.43	2.471	1.91
34.33	0.01	5002.41	2.445	1.90
34.50	0.01	5002.39	2.419	1.89
34.66	0.01	5002.36	2.393	1.89
34.83	0.01	5002.34	2.367	1.88
35.00	0.01	5002.32	2.342	1.88
35.16	0.01	5002.29	2.316	1.87
35.33	0.01	5002.27	2.290	1.87
35.50	0.01	5002.25	2.265	1.86
35.66	0.01	5002.23	2.239	1.86
35.83	0.01	5002.20	2.214	1.85
36.00	0.01	5002.18	2.188	1.85
36.16	0.01	5002.16	2.163	1.84
36.33	0.01	5002.13	2.138	1.84
36.50	0.01	5002.11	2.113	1.83
36.66	0.01	5002.09	2.088	1.83
36.83	0.01	5002.07	2.063	1.82
37.00	0.01	5002.05	2.038	1.82
37.16	0.01	5002.02	2.013	1.82
37.33	0.01	5002.00	1.988	1.81
37.50	0.01	5001.98	1.963	1.80
37.66	0.01	5001.95	1.938	1.80
37.83	0.01	5001.93	1.914	1.79
38.00	0.01	5001.91	1.889	1.79
38.16	0.01	5001.88	1.865	1.78
38.33	0.01	5001.86	1.840	1.78
38.50	0.01	5001.83	1.816	1.77
38.66	0.01	5001.81	1.792	1.76
38.83	0.01	5001.79	1.768	1.76
39.00	0.01	5001.76	1.744	1.75
39.16	0.01	5001.74	1.720	1.75
39.33	0.01	5001.72	1.696	1.74
39.50	0.01	5001.69	1.672	1.74
39.66	0.01	5001.67	1.648	1.73

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
39.83	0.01	5001.65	1.625	1.73
40.00	0.01	5001.63	1.601	1.72
40.16	0.01	5001.60	1.578	1.71
40.33	0.01	5001.58	1.554	1.71
40.50	0.01	5001.56	1.531	1.70
40.66	0.01	5001.54	1.507	1.70
40.83	0.01	5001.51	1.484	1.69
41.00	0.01	5001.49	1.461	1.69
41.16	0.01	5001.47	1.438	1.68
41.33	0.01	5001.45	1.415	1.68
41.50	0.01	5001.42	1.392	1.67
41.66	0.01	5001.40	1.369	1.67
41.83	0.01	5001.38	1.346	1.66
42.00	0.01	5001.36	1.324	1.66
42.16	0.01	5001.34	1.301	1.65
42.33	0.01	5001.31	1.278	1.65
42.50	0.01	5001.29	1.256	1.64
42.66	0.01	5001.27	1.234	1.63
42.83	0.01	5001.25	1.211	1.63
43.00	0.01	5001.23	1.189	1.62
43.16	0.01	5001.21	1.167	1.62
43.33	0.01	5001.18	1.145	1.61
43.50	0.01	5001.16	1.123	1.61
43.66	0.01	5001.14	1.101	1.60
43.83	0.01	5001.12	1.079	1.60
44.00	0.01	5001.10	1.057	1.59
44.16	0.01	5001.08	1.035	1.59
44.33	0.01	5001.06	1.013	1.58
44.50	0.01	5001.04	0.992	1.58
44.66	0.01	5001.01	0.970	1.57
44.83	0.01	5000.99	0.949	1.57
45.00	0.01	5000.97	0.927	1.56
45.16	0.01	5000.94	0.906	1.55
45.33	0.01	5000.91	0.885	1.54
45.50	0.01	5000.89	0.864	1.54
45.66	0.01	5000.86	0.843	1.53
45.83	0.01	5000.83	0.822	1.52
46.00	0.01	5000.81	0.801	1.51
46.16	0.01	5000.78	0.780	1.51
46.33	0.01	5000.76	0.760	1.50

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
46.50	0.01	5000.73	0.739	1.49
46.66	0.01	5000.71	0.719	1.48
46.83	0.01	5000.68	0.699	1.47
47.00	0.01	5000.66	0.679	1.47
47.16	0.01	5000.63	0.659	1.46
47.33	0.01	5000.61	0.639	1.45
47.50	0.01	5000.58	0.619	1.44
47.66	0.01	5000.56	0.599	1.44
47.83	0.01	5000.53	0.580	1.43
48.00	0.01	5000.51	0.560	1.42
48.16	0.01	5000.49	0.541	1.42
48.33	0.01	5000.46	0.521	1.41
48.50	0.01	5000.44	0.502	1.40
48.66	0.01	5000.41	0.483	1.39
48.83	0.01	5000.39	0.464	1.39
49.00	0.01	5000.37	0.445	1.38
49.16	0.01	5000.34	0.426	1.37
49.33	0.01	5000.32	0.407	1.37
49.50	0.01	5000.30	0.389	1.36
49.66	0.01	5000.27	0.370	1.35
49.83	0.01	5000.25	0.352	1.35
50.00	0.01	5000.23	0.333	1.34
50.16	0.01	5000.21	0.315	1.33
50.33	0.01	5000.18	0.297	1.33
50.49	0.01	5000.16	0.279	1.32
50.66	0.01	5000.14	0.261	1.31
50.83	0.01	5000.12	0.243	1.31
50.99	0.01	5000.09	0.225	1.30
51.16	0.01	5000.07	0.208	1.29
51.33	0.01	5000.05	0.190	1.29
51.49	0.01	5000.03	0.172	1.28
51.66	0.01	5000.01	0.155	1.27
51.83	0.01	4999.92	0.138	1.24
51.99	0.01	4999.79	0.121	1.18
52.16	0.01	4999.68	0.105	1.13
52.33	0.01	4999.56	0.090	1.09
52.49	0.01	4999.45	0.076	1.04
52.66	0.01	4999.35	0.062	1.00
52.83	0.01	4999.25	0.049	0.95
52.99	0.01	4999.15	0.036	0.91

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
53.16	0.01	4999.06	0.024	0.88
53.33	0.01	4998.80	0.012	0.68
53.49	0.01	4998.38	0.006	0.32
53.66	0.01	4998.18	0.003	0.15
53.83	0.01	4998.09	0.001	0.08
53.99	0.01	4998.05	0.001	0.04
54.16	0.01	4998.03	0.000	0.02
54.33	0.01	4998.02	0.000	0.02
54.49	0.01	4998.01	0.000	0.01
54.66	0.01	4998.01	0.000	0.01
54.83	0.01	4998.01	0.000	0.01
54.99	0.01	4998.01	0.000	0.01
55.16	0.01	4998.01	0.000	0.01
55.33	0.01	4998.01	0.000	0.01
55.49	0.01	4998.01	0.000	0.01
55.66	0.01	4998.01	0.000	0.01
55.83	0.01	4998.01	0.000	0.01
55.99	0.01	4998.01	0.000	0.01
56.16	0.01	4998.01	0.000	0.01
56.33	0.01	4998.01	0.000	0.01
56.49	0.01	4998.01	0.000	0.01
56.66	0.01	4998.01	0.000	0.01
56.83	0.01	4998.01	0.000	0.01
56.99	0.01	4998.01	0.000	0.01
57.16	0.01	4998.01	0.000	0.01
57.33	0.01	4998.01	0.000	0.01
57.49	0.01	4998.01	0.000	0.01
57.66	0.01	4998.01	0.000	0.01
57.83	0.01	4998.01	0.000	0.01
57.99	0.01	4998.01	0.000	0.01
58.16	0.01	4998.01	0.000	0.01
58.33	0.01	4998.01	0.000	0.01
58.49	0.01	4998.01	0.000	0.01
58.66	0.01	4998.01	0.000	0.01
58.83	0.01	4998.01	0.000	0.01
58.99	0.01	4998.01	0.000	0.01
59.16	0.01	4998.01	0.000	0.01
59.33	0.01	4998.01	0.000	0.01
59.49	0.01	4998.01	0.000	0.01
59.66	0.01	4998.01	0.000	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
59.83	0.01	4998.01	0.000	0.01
59.99	0.01	4998.01	0.000	0.01
60.16	0.01	4998.01	0.000	0.01
60.33	0.01	4998.01	0.000	0.01
60.49	0.01	4998.01	0.000	0.01
60.66	0.01	4998.01	0.000	0.01
60.83	0.01	4998.01	0.000	0.01
60.99	0.01	4998.01	0.000	0.01
61.16	0.01	4998.01	0.000	0.01
61.33	0.01	4998.01	0.000	0.01
61.49	0.01	4998.01	0.000	0.01
61.66	0.01	4998.01	0.000	0.01
61.83	0.01	4998.01	0.000	0.01
61.99	0.01	4998.01	0.000	0.01
62.16	0.01	4998.01	0.000	0.01
62.33	0.01	4998.01	0.000	0.01
62.49	0.01	4998.01	0.000	0.01
62.66	0.01	4998.01	0.000	0.01
62.83	0.01	4998.01	0.000	0.01
62.99	0.01	4998.01	0.000	0.01
63.16	0.01	4998.01	0.000	0.01
63.33	0.01	4998.01	0.000	0.01
63.49	0.01	4998.01	0.000	0.01
63.66	0.01	4998.01	0.000	0.01
63.83	0.01	4998.01	0.000	0.01
63.99	0.01	4998.01	0.000	0.01
64.16	0.01	4998.01	0.000	0.01
64.33	0.01	4998.01	0.000	0.01
64.49	0.01	4998.01	0.000	0.01
64.66	0.01	4998.01	0.000	0.01
64.83	0.01	4998.01	0.000	0.01
64.99	0.01	4998.01	0.000	0.01
65.16	0.01	4998.01	0.000	0.01
65.33	0.01	4998.01	0.000	0.01
65.49	0.01	4998.01	0.000	0.01
65.66	0.01	4998.01	0.000	0.01
65.83	0.01	4998.01	0.000	0.01
65.99	0.01	4998.01	0.000	0.01
66.16	0.01	4998.01	0.000	0.01
66.33	0.01	4998.01	0.000	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
73.66	0.01	4998.01	0.000	0.01
73.83	0.01	4998.01	0.000	0.01
73.99	0.01	4998.01	0.000	0.01
74.16	0.01	4998.01	0.000	0.01
74.33	0.01	4998.01	0.000	0.01
74.49	0.01	4998.01	0.000	0.01
74.66	0.01	4998.01	0.000	0.01
74.83	0.01	4998.01	0.000	0.01
74.99	0.01	4998.01	0.000	0.01
75.16	0.01	4998.01	0.000	0.01
75.33	0.01	4998.01	0.000	0.01
75.49	0.01	4998.01	0.000	0.01
75.66	0.01	4998.01	0.000	0.01
75.83	0.01	4998.01	0.000	0.01
75.99	0.01	4998.01	0.000	0.01
76.16	0.01	4998.01	0.000	0.01
76.33	0.01	4998.01	0.000	0.01
76.49	0.01	4998.01	0.000	0.01
76.66	0.01	4998.01	0.000	0.01
76.83	0.01	4998.01	0.000	0.01
76.99	0.01	4998.01	0.000	0.01
77.16	0.01	4998.01	0.000	0.01
77.33	0.01	4998.01	0.000	0.01
77.49	0.01	4998.01	0.000	0.01
77.66	0.01	4998.01	0.000	0.01
77.83	0.01	4998.01	0.000	0.01
77.99	0.01	4998.01	0.000	0.01
78.16	0.01	4998.01	0.000	0.01
78.33	0.01	4998.01	0.000	0.01
78.49	0.01	4998.01	0.000	0.01
78.66	0.01	4998.01	0.000	0.01
78.83	0.01	4998.01	0.000	0.01
78.99	0.01	4998.01	0.000	0.01
79.16	0.01	4998.01	0.000	0.01
79.33	0.01	4998.01	0.000	0.01
79.49	0.01	4998.01	0.000	0.01
79.66	0.01	4998.01	0.000	0.01
79.83	0.01	4998.01	0.000	0.01
79.99	0.01	4998.01	0.000	0.01
80.16	0.01	4998.01	0.000	0.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
130.65	0.01	4998.01	0.000	0.01
130.82	0.01	4998.01	0.000	0.01
130.99	0.01	4998.01	0.000	0.01
131.15	0.01	4998.01	0.000	0.01
131.32	0.01	4998.01	0.000	0.01
131.49	0.01	4998.01	0.000	0.01
131.65	0.01	4998.01	0.000	0.01
131.82	0.01	4998.01	0.000	0.01
131.99	0.01	4998.01	0.000	0.01
132.15	0.01	4998.01	0.000	0.01
132.32	0.01	4998.01	0.000	0.01
132.49	0.01	4998.01	0.000	0.01
132.65	0.01	4998.01	0.000	0.01
132.82	0.01	4998.01	0.000	0.01
132.99	0.01	4998.01	0.000	0.01
133.15	0.01	4998.01	0.000	0.01

```
 PEAK DISCHARGE =        2.517 CFS - PEAK OCCURS AT HOUR    3.17
 MAXIMUM WATER SURFACE ELEVATION =     5005.608
 MAXIMUM STORAGE =        6.3644 AC-FT      INCREMENTAL TIME=    0.033330HRS

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*
FINISH

    NORMAL PROGRAM FINISH          END TIME (HR:MIN:SEC) = 15:35:14
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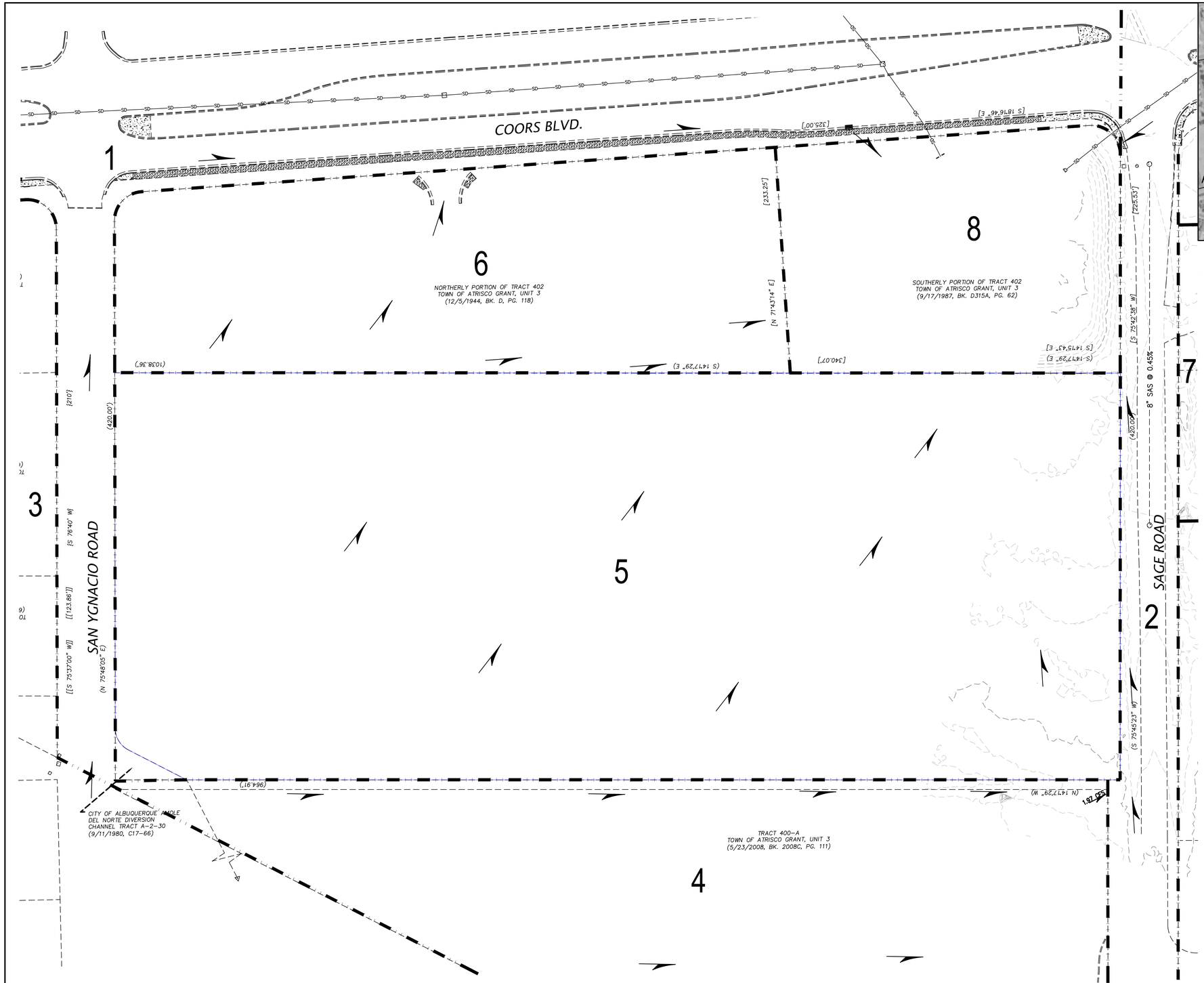
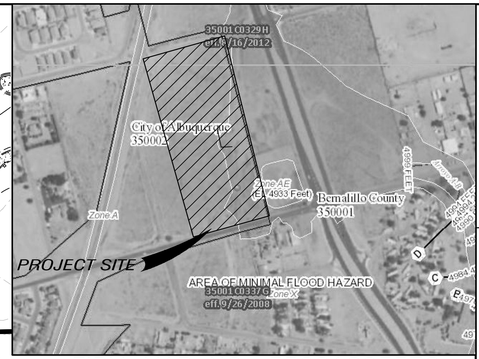




FIRM MAP NO. 35001C0337G

DRAINAGE INFORMATION

LOCATION & DESCRIPTION

THE PROPOSED SITE IS A TRACT ENCOMPASSING APPROXIMATELY 10 ACRES LOCATED ON THE NORTH SIDE OF SAGE ROAD WEST OF COORS BLVD. ADJACENT TO THE CITY LIMITS AS SEEN ON THE VICINITY MAP. THE SITE IS UNDEVELOPED. THE ADJACENT PROPERTIES ARE UNDEVELOPED.

FLOODPLAIN STATUS

THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0337G, DATED 9/26/2008 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN. AN EXHIBIT WITH THE SITE SHOWN ON THE FIRM PANEL IS INCLUDED ON THIS SHEET.

METHODOLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING AHYMO SOFTWARE.

PRECIPITATION

THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 1 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

EXISTING DRAINAGE

THE SITE CURRENTLY DISCHARGES RUNOFF TO THE EXISTING POND ADJACENT TO THE SOUTHEAST CORNER OF THE SITE. THE POND IS A REGIONAL FACILITY CONSTRUCTED WITH THE COORS STORM DRAIN TO CAPTURE EXCESS FLOWS FROM COORS BLVD. AND LAND BOUNDED TO THE WEST BY THE AMOLE DIVERSION CHANNEL.

HYDROLOGIC DATA – EXISTING

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q^{100} (cfs)	V^{100-24} (acft)
		A	B	C	D			
1	14.88	0	0	10	90	3.82	56.76	2.74
2	2.61	0	0	10	90	3.82	9.97	0.48
3	8.49	0	100	0	0	1.72	14.61	0.47
4	6.36	0	100	0	0	1.72	10.95	0.35
5	9.76	0	100	0	0	1.72	16.79	0.54
6	3.82	0	100	0	0	1.72	6.58	0.21
7	1.99	0	0	15	85	3.75	7.46	0.36
8	1.63	0	0	100	0	1.72	2.82	0.09
POND OUT	49.54						2.53	4.97

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STARTED — DATE
ACCEPTANCE BY — DATE
CERTIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
BY — DATE
NO.

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
REGISTERED PROFESSIONAL ENGINEER
DATE: MAR. 26, 2020

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE DEC. 2019
			DATE JAN. 2020
			DATE JAN. 2020

DESIGNED BY REH
DRAWN BY REH
CHECKED BY REH

THE group
THE HENSLEY ENGINEERING GROUP
300 BRANDING IRON RD. SE
RIO RANCHO, NEW MEXICO 87124
Phone:(505) 410-1622

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

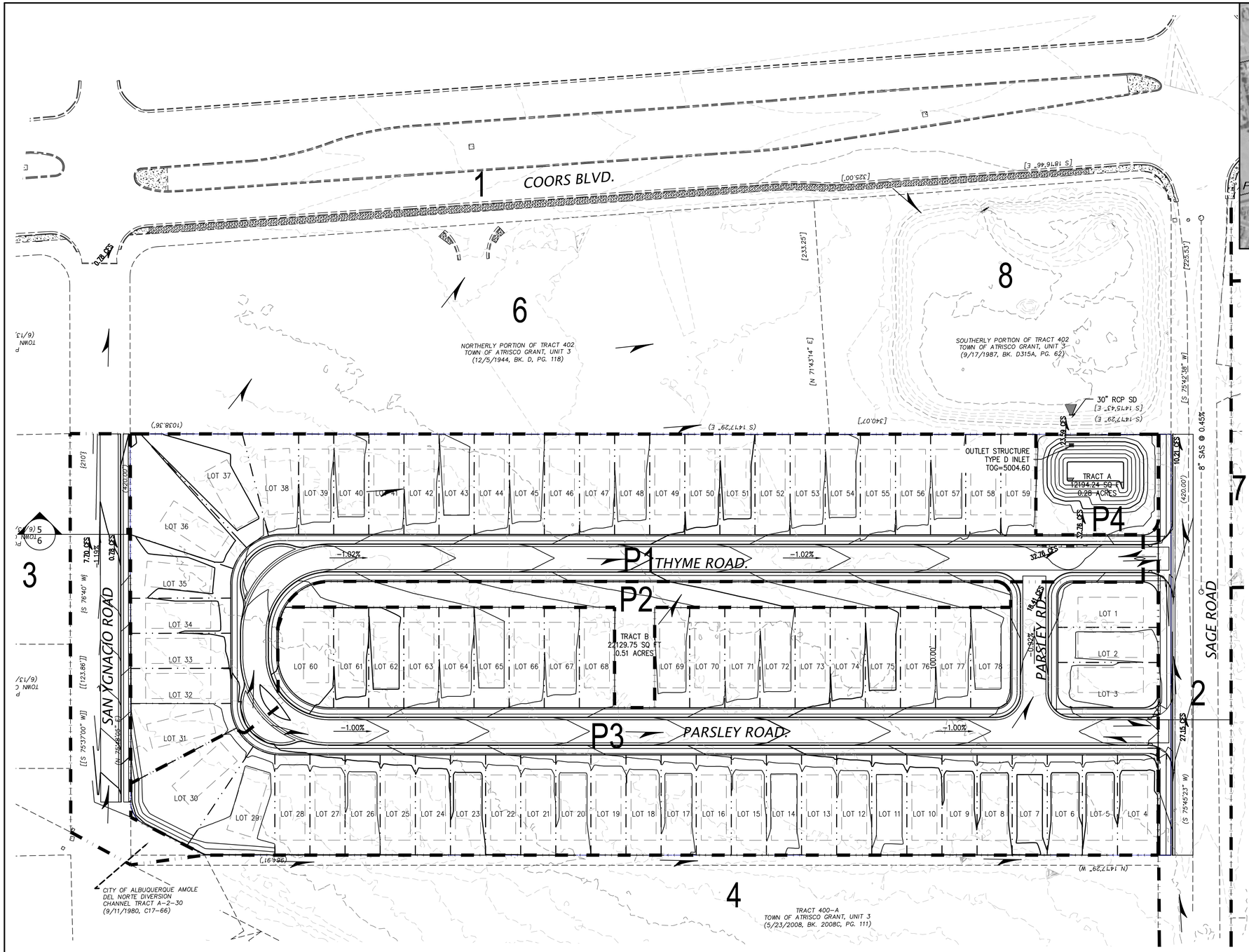
SAGE PARK SUBDIVISION

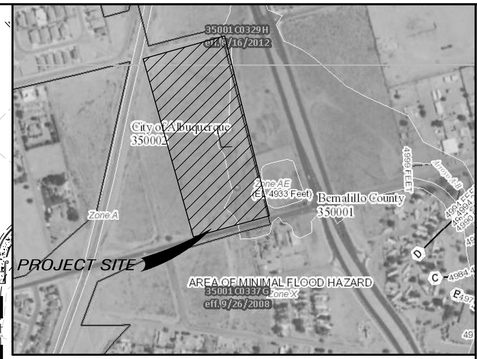
DRAINAGE PLAN

EXISTING DRAINAGE / BASIN MAP

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

DRB No. 2019-003169
CITY PROJECT No.
ZONE MAP NO. L-10-Z
SHEET 1 OF 2





FIRM MAP NO. 35001C0337G

DRAINAGE INFORMATION

LOCATION & DESCRIPTION

THE PROPOSED SITE IS A TRACT ENCOMPASSING APPROXIMATELY 10 ACRES LOCATED ON THE NORTH SIDE OF SAGE ROAD WEST OF COORS BLVD. ADJACENT TO THE CITY LIMITS AS SEEN ON THE VICINITY MAP. THE SITE IS UNDEVELOPED. THE ADJACENT PROPERTIES ARE UNDEVELOPED.

FLOODPLAIN STATUS

THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0337G, DATED 9/26/2008 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN. AN EXHIBIT WITH THE SITE SHOWN ON THE FIRM PANEL IS INCLUDED ON THIS SHEET.

METHODOLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING AHYMO SOFTWARE.

PRECIPITATION

THE 100-YR 6-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 1 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

EXISTING DRAINAGE

THE SITE CURRENTLY DISCHARGES RUNOFF TO THE EXISTING POND ADJACENT TO THE SOUTHEAST CORNER OF THE SITE. THE POND IS A REGIONAL FACILITY CONSTRUCTED WITH THE COORS STORM DRAIN TO CAPTURE EXCESS FLOWS FROM COORS BLVD. AND LAND BOUNDED TO THE WEST BY THE AMOLE DIVERSION CHANNEL.

DEVELOPED CONDITION

THE PROPOSED SITE IMPROVEMENTS WILL INCLUDE THE CONSTRUCTION OF 62 RESIDENTIAL LOTS AND ASSOCIATED STREETS AND DRAINAGE IMPROVEMENTS, AND IT WILL MAINTAIN THE RUNOFF CONDITIONS SHOWN HEREON. RUNOFF FROM THE PROPOSED DEVELOPMENT WILL BE CONVEYED VIA SURFACE FLOW TO THE PROPOSED DETENTION POND VIA A DROP INLET IN THE ROADWAY ADJACENT TO THE POND.

HYDROLOGIC DATA – DEVELOPED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q100 (cfs)	V 100-24 (acft)
		A	B	C	D			
1	14.88	0	0	10	90	3.82	56.76	2.74
2	2.61	0	0	10	90	3.82	9.97	0.48
3	8.49	0	0	15	85	3.74	31.78	1.52
4	6.36	0	0	15	85	3.74	23.82	1.14
P1	3.76	0	15	15	70	3.40	12.78	0.61
P2	0.51	0	100	0	0	1.73	0.88	0.03
P3	5.41	0	15	15	70	3.59	18.41	0.88
P4	0.28	0	0	100	0	2.51	0.70	0.02
6	0.79	0	0	15	85	3.75	14.32	0.11
7	1.98	0	0	15	85	3.75	7.46	0.08
8	1.63	0	0	15	85	2.51	6.13	0.03
POND OUT	49.54						2.52	6.36

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STARTED ON — DATE
ACCEPTANCE BY — DATE
EXPIRATION — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

ENGINEER'S SEAL
RON E. HENSLEY
NEW MEXICO
21850
REGISTERED PROFESSIONAL ENGINEER
MAR. 06, 2023

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
DESIGNED BY	REH	DATE DEC. 2019
DRAWN BY	REH	DATE JAN. 2020
CHECKED BY	REH	DATE JAN. 2020

50' 0 25' 50' 100'
(IN FEET)

THE group
THE HENSLEY ENGINEERING GROUP
300 BRANDING IRON RD. SE
RIO RANCHO, NEW MEXICO 87124
Phone:(505) 410-1622

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SAGE PARK SUBDIVISION

DRAINAGE PLAN

PROPOSED DRAINAGE / BASIN MAP

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.

DRB No. 2019-003169
CITY PROJECT No.
ZONE MAP NO. L-10-Z
SHEET 2 OF 2