

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

September 10, 2018

Ron Hensley, P.E.
GND Engineering
11032 Dreamy Way Dr. NW
Albuquerque, NM 87114

**RE: St Joseph on the Rio Grande Church
5901 St Joseph Dr NW
Grading and Drainage Plan
Engineer's Stamp Date: 8/31/18
Hydrology File: G11D014A**

Dear Mr. Hensley:

PO Box 1293

Based on the submittal received on 9/4/18, the Grading and Drainage Plan is approved for Building Permit.

Albuquerque

Prior to Work Order (For Information):

NM 87103

1. The sidewalk culverts will need to call-out std dwg 2236 and provide the culvert width; the diamond plates will need to be extended 1' past edge of sidewalk to avoid a drop-off. Because this is work in the ROW, no adjustments to the private grading plan are needed, but the work order plans will need to show these corrections.
2. A Bernalillo County Recorded [Agreement and Covenant](#) is required for the stormwater control pond (Atrisco Pond A2). The original notarized form, exhibit A, exhibit B (legible on 8.5x11 paper), and recording fee (\$25, payable to Bernalillo County) must be turned into DRC (4th, Plaza del Sol) for routing. Please contact Charlotte LaBadie (clabadie@cabq.gov, 924-3996) or Madeline Carruthers (mtafoya@cabq.gov, 924-3997) regarding the routing and recording process.
3. A public drainage easement is required for the stormwater control pond (Atrisco Pond A2) as it will be conveying public water.

www.cabq.gov

Prior to Certificate of Occupancy (For Information):

4. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required.
5. The Drainage Covenant must be recorded with Bernalillo County and a copy included with the Engineer's Certification.

CITY OF ALBUQUERQUE

Planning Department
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Mayor Timothy M. Keller

6. City acceptance and close-out of the public Work Order will be required.
 7. Payment of Fee-in-Lieu will be required for any ponding areas not constructed and certified.
- If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,



Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

ST. JOSEPH ON THE

Project Title: RIO GRANDE CHURCH Building Permit #: _____ Hydrology File #: G11D014A

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: TRACT X-1-A1 PLAT OF TRACTS X-1-A1 & X-1-A2 UNIV. OF ALB. URBAN CENTER

City Address: 5901 ST JOSEPH DR NW

Applicant: ST. JOSEPH ON THE RIO GRANDE CHURCH Contact: Del Dixon

Address: 4000 ST JOSEPHS PL NW ALBUQUERQUE NM 87120-1714

Phone#: 505-843-9639 Fax#: _____ E-mail: _____

Other Contact: GND LLC Contact: Ron Hensley

Address: 11032 Dreamy Way Dr. NW Albuquerque, NM 87114

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

TYPE OF DEVELOPMENT: _____ PLAT (# of lots) _____ RESIDENCE _____ DRB SITE ☒ ADMIN SITE

IS THIS A RESUBMITTAL? _____ Yes _____ No

DEPARTMENT _____ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

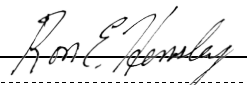
Check all that Apply:

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
- ☐ PAD CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN
- ☒ GRADING PLAN
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE MASTER PLAN
- ☐ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- ☐ ELEVATION CERTIFICATE
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ TRAFFIC IMPACT STUDY (TIS)
- ☐ STREET LIGHT LAYOUT
- ☐ 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: 9/4/2018 By: Ron Hensley - GND LLC 

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

September 4, 2018

Hydrology Development
City of Albuquerque
PO Box 1293
Albuquerque, NM 87103

Re: G11D014A - Church of St. Joseph on the Rio Grande –Grading Plan for Building Permit

We are requesting a review of the Grading plan in support of the Building Permit for Church of St. Joseph on the Rio Grande. The plan covers the construction of the proposed drainage infrastructure of the site improvements.

Conceptual markings have been removed from the plan, and the following are in response to comments received on 8/28/18.

1. *Remove all “Conceptual/Not for construction” markings (sheet 2).*

Conceptual markings have been removed..

2. *Correct the topography around the existing inlet, namely the 5113' contour. Demonstrate that the water surface elevation (WSE) is contained on the property.*

The contours are correctly depicted..

3. *All drainage structures (pipes, inlets spillways, ponds, outfalls, etc...) need to be sized and detailed in a drainage report including:*

- a. *Delineation of on-site and off-site contributing watersheds and/or drainage basins is required and needs to be included in this drainage report.*

The Basin and Drainage Plan is attached

- b. *Hydrology Calculations per DPM 22.2. The accuracy of the AHYMO model cannot be evaluated without the supporting drainage basin map.*

Calculations are included.

- c. *Hydraulic Calculations per DPM 22.3 documenting:*

- i. *.Inlet and pipe capacity, including 2x capacity for inlets in sump condition or a suitably sized overland flow path and profiles and HGL calculations. No inlet capacity calculations are provided.*

Inlet capacity is included, and demonstrates the required capacity and overflow requirements.

- ii. *Channel capacity, channel details, and typical sections for any overland flowpaths/spillways. No information has been provided for the overflow channel; this will need to be designed to accommodate the 100-yr peak inflow. No detail is provided for the overflow weir.*

The weir discharges directly to the pond, but the spillway/channel capacity is shown.

- iii. *.Details of each pond including typical sections, dimensions, and spot elevations. Typical sections are missing..*

The detail necessary for construction are shown, and the pond section is shown.

- iv. *.Pond routing calculations with hydraulic modeling and rating curves must be provided. No credit is given for infiltration into the pond bottom; this needs to be removed from the storage/discharge table and pond routing calculations.*

To provide a realistic model, infiltration analysis as well as a impervious pond scenarios are included. Given that the pond has excess capacity for the assumed conditions, no volume reduction from infiltration was included in the design.

- v. *.Both the first flush WSE and the 100-yr WSE must be shown; include the ponding areas in the parking lots..*

The WSE is shown.

- vi. *Details of all pond outfall structures, including typical sections, dimensions, and spot elevations. No information has been provided for the turned-block outfall for pond B. This will need to be designed to accommodate the 100-yr peak inflow.*

An outflow to accommodate the 100 yr peak inflow disregards all ponding. However, the discharge rating curve, the openings have the capacity to accommodate the 100 yr peak inflow under emergency conditions without flooding.

- 4. The site must demonstrate adequate downstream capacity per § 14-5-2-12(G) of the Albuquerque Code of Ordinances. Provide the Easement or the written and signed permission allowing this site to discharge to the property to the east..

The Drainage Easement as approved with the Coors Pavilion Master Drainage Plan (G11D069 2/22/17) is included.

The additional requirements of Work Order will be addressed in subsequent submittals. Please contact me at 410-1622 or via email if you have any questions or comments.

Sincerely,



Ron E. Hensley P.E.
ron@thegroup.cc

DRAINAGE PLAN

FOR

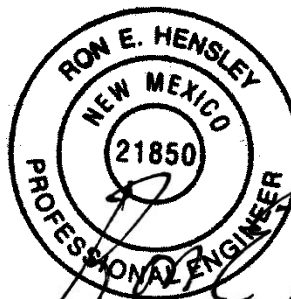
ST. JOSEPH'S ON THE RIO GRANDE

August 31, 2018

PREPARED FOR:

Studio Southwest Architects, Inc.
2101 Mountain Road NW
Albuquerque NM 87104

PREPARED BY:



8/31/18

GND, LLC

CONSULTING ENGINEERS

11032 Dreamy Way Dr. NW.
Albuquerque, New Mexico 87114
Cell: (505) 264-0472

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PURPOSE

The Basin & Drainage Plan and the Grading Plan of the St. Joseph's on the Rio Grande Nazareth Center provides a description and summary of the hydrology and drainage design for the mitigation of runoff from the site. This supplemental information fully details the drainage structures of the site.

DRAINAGE INFORMATION

The drainage from the site is controlled with the construction of a pond with an overflow discharge to the pond on the adjacent property. The summary of the drainage condition is a pond that fills up and overflows as depicted on the Basin & Drainage Plan with the peak discharge of the proposed developed site modeled at 5.14 cfs., with an allowable discharge of 10.90 cfs. to the adjacent property, per the Coors Pavilion Master Drainage Plan (G11D069 2/22/17).

Site flow from the parking lot is directed to two inlets that discharge directly to the pond. The modeled 24 hour storm maximum WSE of the pond is 5112.29. As shown in the model, the maximum WSE would be 5112.28 with infiltration included. In addition, the analysis shows that the pond has a maximum WSE 5112.68 for consecutive storms. The critical elevation for the site WSE is 5113.5 or 1 foot below finish floor. The specified pond area has a capacity of 1.66 ac.ft. or 96% of the design storm at a WSE of 5113.0. Ponding capacity above the existing inlet of 0.09 ac.ft. and above the proposed inlet of 0.16 ac.ft. add an additional 0.25 ac.ft. to the pond for a total storage capacity of 1.92 ac.ft. or 111% of the total 24 hour storm runoff,

The 10 day storm volume is 144% of the 24 hour volume or 2.49 ac.ft. and would generate a WSE of 5113.25 without infiltration, and a maximum retained volume of 1.99 ac.ft. and WSE of 5113.00 with infiltration. Therefore, the site has adequate storage capacity for complete retention.

The existing and proposed inlets have a grate elevation of 5111.9. The existing inlet for the south end of the site drains through a 30' CMP. The proposed inlet will drain via 18" RCP. The inlets and pipes serve only as area drains and do not function as conveyance conduits. However, the hydraulic calculations for the systems are included in the following and in the HGL calculations. As shown below, the grates and inlets have adequate capacity to discharge peak flow to the pond until the WSE reaches 5111.90. However, at the time of peak flow (1.55 hours.), the grate is submerged, and the ponding area reaches the invert of the overflow weirs with a WSE of 5112.00. This occurs prior to the beginning of overflow, and the time of inlets becoming submerged to extend ponding.

Table 1-Single Grate Capacity

Q Total (cfs)	Inlet Depth (in.)	Elevation (ft)
0.26	0.5	5111.94
0.71	1	5112.03
2.02	2	5112.11
3.75	3	5112.19
5.75	4	5112.32
8.01	5	5112.40
10.51	6	5112.53

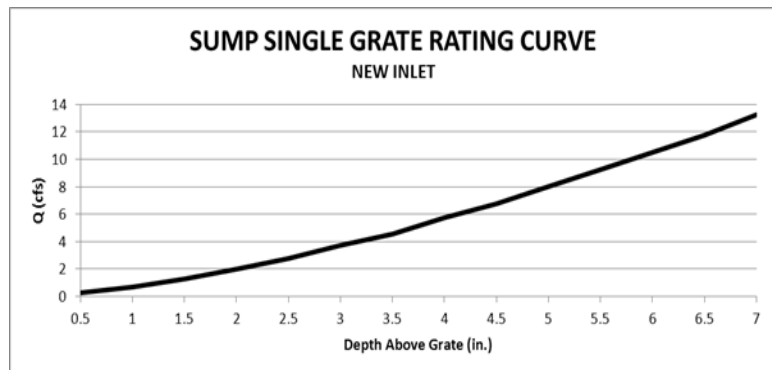


Figure 1-Single Grate Sump Inlet Rating Curve

Table 2-Existing Grate Capacity

Q Total (cfs)	Inlet Depth (in.)	Elevation (ft)
0.43	0.5	5111.94
1.20	1	5112.03
3.26	2	5112.11
6.00	3	5112.19
9.25	4	5112.32
12.98	5	5112.40
17.00	6	5112.53

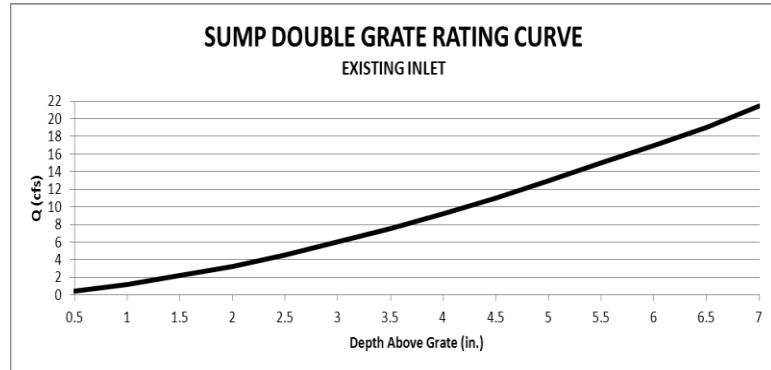


Figure 2-Double Grate Sump Inlet Rating Curve

The inlet capacities are dictated by the controls of several flow regimes. The proposed Type D sump inlet will accommodate the initial flow and has a flow capacity of 14.17 cfs. with an EGL of 5113.0 at the inlet and a pond WSE of 5112.0. At the peak flow of 11.45 cfs, the proposed inlet will accumulate to a depth of 8 inches and an EGL of 5112.7.

Table 3-Inlet Capacities

Pond WSE (ft.)	Hc (ft.)	Pipe Veloc. (ft./s)	Exist. Inlet Q (cfs.)	Prop. Inlet Q (cfs.)
5106	7.0	21.23	48.00	29.01
5108	5.0	17.94	48.00	29.01
5110	3.0	13.90	48.00	29.01
5112.0	1.0	8.02	39.37	14.17
5112.1	0.9	7.61	37.35	13.45
5112.3	0.7	6.71	32.94	11.86
5112.4	0.6	6.22	30.50	10.98
5112.5	0.5	5.67	27.84	10.02
5112.6	0.4	5.08	24.90	8.96
5112.7	0.3	4.40	21.57	7.76
5112.8	0.2	3.59	17.61	6.34
5112.9	0.1	2.54	12.45	4.48
5113.0	0.0	0.00	0.00	0.00

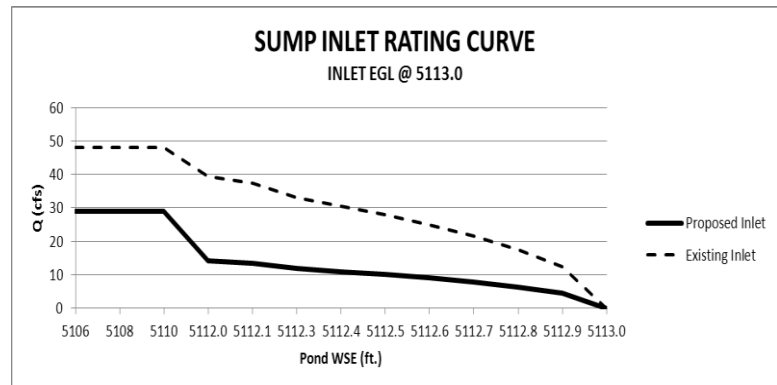


Figure 3-Sump Inlet Rating Curve

Flow in excess of the proposed inlet capacity would overflow through an 11 foot curb opening that has capacity of 20.09 cfs (see below) and discharges directly to the pond. The weir discharges directly to the pond, but the spillway/channel capacity is shown below. However, the volume of the of the area above the inlet and the pond WSE provide adequate storage to ensure that the WSE will not reach the opening.

Table 4-11 Foot Weir Capacity of Curb Opening

C = 3.33 L = 11 ft H = 0.5 ft							
Depth (ft.)	Q (cfs.)	Area (sq.ft.)	Veloc. (ft./s)	Wp (ft.)	Yc (ft.)	Top Width (ft.)	Energy (ft.)
0.5	20.09	5.75	3.49	12.41	0.47	12.0	0.69

Table 5-11 Spillway/Channel Capacity

n = 0.025 W = 11 ft S = 0.005 ft/ft							
Depth (ft.)	Q (cfs.)	Area (sq.ft.)	Veloc. (ft./s)	Wp (ft.)	Yc (ft.)	Top Width (ft.)	Energy (ft.)
0.5	14.46	5.75	2.52	12.41	0.38	12.0	0.60

The pond overflow discharge of 5.14 cfs flows through a wier of 10 turned CMU blocks providing 20 6"x6" wall openings with an opening elevation of 5112.00 through 5112.50. The outlet would function as an orifice opening at higher water surface elevations. As shown by the calculations, the minimum number of CMU's required to provide nominal performance of the pond is five (10 openings or 2.5 sq.ft). As can be inferred from the modeling, the number of openings above ten has little hydraulic effect on the pond performance.

Table 6-CMU Opening Discharge Capacity

Depth (ft.)	Q (cfs.)	Total Q (cfs.)	Area (sq.ft.)	Veloc. (ft./s)	Energy (ft.)
0.1	0.053	1.06	0.05	1.05	0.12
0.2	0.149	2.98	0.10	1.49	0.23
0.3	0.274	5.48	0.15	1.82	0.35
0.4	0.421	8.42	0.20	2.11	0.47
0.5	0.589	11.78	0.25	2.35	0.59
0.75	0.8654	17.31	0.25	3.46	0.94
1.0	1.0598	21.20	0.25	4.24	1.28
1.5	1.3683	27.37	0.25	5.47	1.97

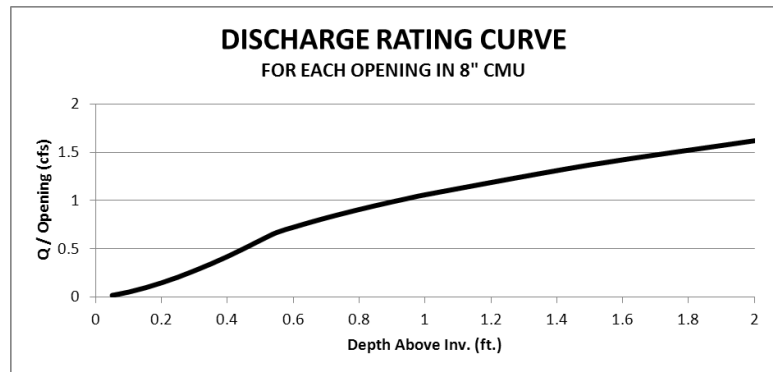


Figure 4-CMU Opening Discharge Curve

At peak inflow, 57 percent of the total storm runoff volume is contained in the pond. To develop energy in the pond, for flow to begin through the discharge, requires an additional 0.01 ac.ft. of volume and 0.30 hours to develop. As discharge begins, inflow to the pond is decreasing from 13.14 cfs., and the pond elevation increases with a corresponding increase discharge. The detention pond stage storage/discharge table and rating curve shown below depict the performance of the pond and discharge.

Table 7- Pond B Storage / Discharge

Elevation	Area (sq.ft.)	Volume (ac.Ft.)	Overflow (cfs)	Infiltration (cfs)
5106.00	1037			
5107.00	1653	0.0305		0.03
5108.00	2369	0.0759		0.05
5109.00	3185	0.1386		0.06
5110.00	4103	0.2209		0.08
5111.00	17492	0.4453		0.34
5112.00	27393	0.9793		0.53
5112.10	29637	1.0431	1.06	0.57
5112.20	31881	1.1078	2.98	0.61
5112.30	32912	1.1735	5.48	0.63
5112.50	38612	1.3077	11.78	0.74
5112.60	44222	1.3764	14.48	0.85
5113.00	49831	1.6619	21.20	0.96
5113.50	71178	2.0319	27.37	1.37

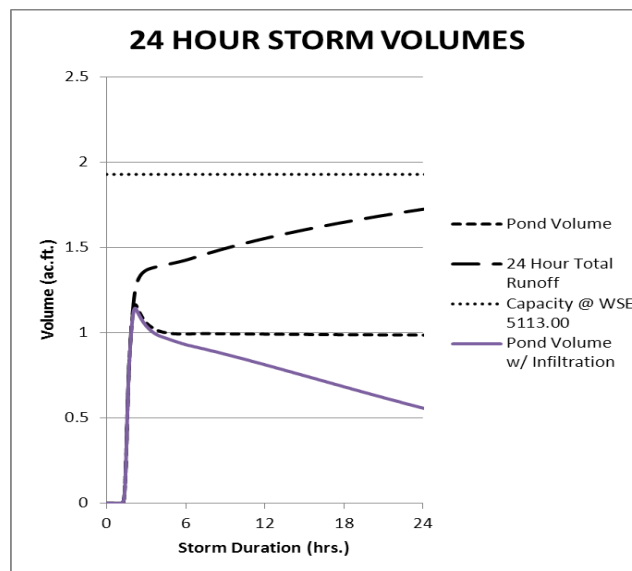


Figure 5-24 Hour Storm Volume Curves

To provide a realistic model, infiltration analysis as well as a impervious pond scenarios are included. Given that the pond has excess capacity for the assumed conditions, no volume reduction from infiltration was included in the design. As shown, the pond has more than adequate capacity to accommodate the runoff from the site without infiltration.

Given that the pond does not evacuate within 24 hours, modeling of consecutive storms is included.

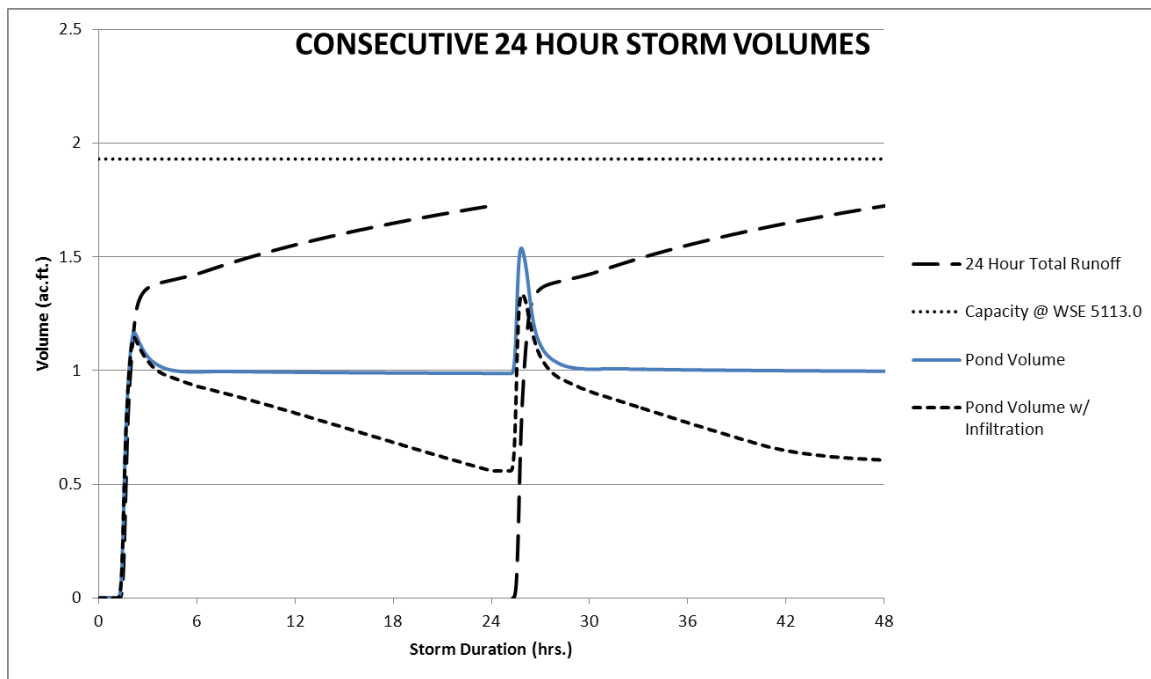


Figure 6-Consecutive 24 Hour Storm Volume Curves

SUMMARY

As shown in the information provided, the site discharge and operation are in compliance with the applicable requirements. The discharge rate is significantly below the historic rate and comparable in volume to historic discharge. The runoff from and within the site are controlled for most probable storm scenarios.

AHYMO

SUMMARY

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
*S ST JOSEPHS ON THE RIO GRANDE										
*S 100 year 24 hour rainfall										
RAINFALL TYPE= 2										
RAIN24= 2.660										
*S										
*S PROPOSED Conditions										
*S										
*S OFFSITE BASINS										
*S COMPUTE HYD BASIN A1										
COMPUTE NM HYD	101.00	-	1	.00233	5.55	.284	2.28382	1.550	3.723	PER IMP= 90.00
*S COMPUTE HYD BASIN A2										
COMPUTE NM HYD	102.00	-	2	.00455	9.61	.480	1.98084	1.550	3.302	PER IMP= 74.78
*S COMPUTE HYD BASIN A3										
COMPUTE NM HYD	103.00	-	3	.00028	.47	.016	1.06478	1.550	2.601	PER IMP= 5.00
*S COMPUTE HYD BASIN A4										
COMPUTE NM HYD	104.00	-	4	.00177	2.88	.100	1.06478	1.550	2.549	PER IMP= 5.00
*S ADD A1 AND A2										
ADD HYD	201.00	1& 2	10	.00688	15.16	.764	2.08333	1.550	3.445	
*S ADD A3 AND A4										
ADD HYD	202.00	3& 4	11	.00205	3.35	.116	1.06082	1.550	2.556	
*S ADD HYD 201 AND 202 TO CITY POND										
ADD HYD	203.00	10&11	12	.00892	18.51	.880	1.84873	1.550	3.241	
*S										
*S ONSITE BASINS										
*S										
*S COMPUTE HYD BASIN B1										
COMPUTE NM HYD	101.00	-	1	.00732	17.09	.864	2.21211	1.550	3.645	PER IMP= 85.00
*S COMPUTE HYD BASIN B2										
COMPUTE NM HYD	102.00	-	2	.00398	9.30	.470	2.21212	1.550	3.648	PER IMP= 85.00
*S COMPUTE HYD BASIN B3										
COMPUTE NM HYD	103.00	-	3	.00076	1.87	.096	2.35553	1.550	3.816	PER IMP= 95.00
*S COMPUTE HYD BASIN B4										
COMPUTE NM HYD	104.00	-	4	.00222	4.31	.186	1.56674	1.550	3.030	PER IMP= 40.00
*S COMPUTE HYD BASIN B5										
COMPUTE NM HYD	105.00	-	5	.00087	2.15	.113	2.42724	1.550	3.866	PER IMP= 100.00
*S ADD B5 AND B2 FLOW TO INLET										
ADD HYD	101.00	5& 2	10	.00485	11.45	.582	2.25054	1.550	3.688	
*S ADD B3 AND B4										
ADD HYD	102.00	3& 4	11	.00299	6.17	.282	1.76837	1.550	3.231	
*S ADD HYD 101 AND 102										
ADD HYD	203.00	10&11	12	.00784	17.62	.864	2.06689	1.550	3.514	
*S ADD HYD 12 AND 1 POND INFLOW										
ADD HYD	104.00	12& 1	13	.01516	34.71	1.728	2.13702	1.550	3.577	
*S										
*S ROUTING OF POND B										

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 = 2 NOTATION
*S WITH NO INFILTRATION AND DISCHARGE										
*S THROUGH 20 6" X 6" OPENINGS										
*S										
ROUTE RESERVOIR	301.00	13	20	.01516	5.14	.752	.92967	2.200	.530	AC-FT= 1.165
*S										
*S ROUTING OF POND B FOR SUBSEQUENT 24 HOUR STORM										
*S WITH NO INFILTRATION OF FIRST STORM AND DISCAHRGE										
*S THROUGH 20 6" X 6" OPENINGS										
*S										
ROUTE RESERVOIR	301.00	13	20	.01516	15.73	1.728	2.13700	1.800	1.621	AC-FT= .550
*S										
*S ROUTING OF POND B										
*S WITH INFILTRATION AND DISCHARGE										
*S THROUGH 20 6" X 6" OPENINGS										
*S										
ROUTE RESERVOIR	301.00	13	20	.01516	5.65	1.336	1.65199	2.150	.582	AC-FT= 1.145
*S										
*S ROUTING OF POND B FOR SUBSEQUENT 24 HOUR STORM										
*S WITH 24 HOUR INFILTRATION OF FIRST STORM AND DISCHARGE										
*S THROUGH 20 6" X 6" OPENINGS										
*S										
ROUTE RESERVOIR	301.00	13	20	.01516	12.55	1.720	2.12728	1.850	1.293	AC-FT= .776
FINISH										

INPUT FILE

```
*S ST JOSEPHS ON THE RIO GRANDE
*S 100 year 24 hour rainfall
RAINFALL          TYPE=2  RAIN QUARTER=0
                  RAIN ONE=1.87 IN  RAIN SIX=2.20 IN
                  RAIN DAY=2.66 IN  DT=0.05 HRS
*****
*S
*S  PROPOSED Conditions
*S
*S  OFFSITE BASINS
*S  COMPUTE HYD BASIN A1
COMPUTE NM HYD      ID=1  HYDNO=101  AREA=0.002328SQ MI
                   PER A=0 PER B=0 PER C=10 PER D=90
                   TP=.1667 HR MASS RAIN=-1
PRINT HYD           ID=1  CODE=5
*****
*S  COMPUTE HYD BASIN A2
COMPUTE NM HYD      ID=2  HYDNO=102  AREA=0.004547SQ MI
                   PER A=15 PER B=0 PER C=14 PER D=86
                   TP=.1667 HR MASS RAIN=-1
PRINT HYD           ID=2  CODE=5
*****
*S  COMPUTE HYD BASIN A3
COMPUTE NM HYD      ID=3  HYDNO=103  AREA=0.000281SQ MI
                   PER A=0 PER B=0 PER C=95 PER D=5
                   TP=.1667 HR MASS RAIN=-1
PRINT HYD           ID=3  CODE=5
*****
*S  COMPUTE HYD BASIN A4
COMPUTE NM HYD      ID=4  HYDNO=104  AREA=0.001766SQ MI
                   PER A=0 PER B=0 PER C=95 PER D=5
                   TP=.1667 HR MASS RAIN=-1
*PRINT HYD          ID=4  CODE=5
*****
*****
*S  ADD A1 AND A2
ADD HYD              ID=10 HYDNO=201
                   ID=1  ID=2
PRINT HYD            ID=10 CODE=5
*****
*****
*S  ADD A3 AND A4
ADD HYD              ID=11 HYDNO=202
                   ID=3  ID=4
PRINT HYD            ID=11 CODE=5
*****
*****
*S  ADD HYD 201 AND 202  TO CITY POND
ADD HYD              ID=12 HYDNO=203
                   ID=10 ID=11
PRINT HYD            ID=12 CODE=5
*****
*****
*S
*S  ONSITE BASINS
*S
*S  COMPUTE HYD BASIN B1
COMPUTE NM HYD      ID=1  HYDNO=101  AREA=0.007323SQ MI
                   PER A=0 PER B=0 PER C=15 PER D=85
                   TP=.1667 HR MASS RAIN=-1
PRINT HYD           ID=1  CODE=5
*****
*****
*S  COMPUTE HYD BASIN B2
COMPUTE NM HYD      ID=2  HYDNO=102  AREA=0.003982SQ MI
                   PER A=0 PER B=0 PER C=15 PER D=85
                   TP=.1667 HR MASS RAIN=-1
PRINT HYD           ID=2  CODE=5
*****
*****
*S  COMPUTE HYD BASIN B3
COMPUTE NM HYD      ID=3  HYDNO=103  AREA=0.000764SQ MI
```

```

PER A=0 PER B=0 PER C=5 PER D=95
TP=.1667 HR MASS RAIN=-1
PRINT HYD          ID=3    CODE=5
*****
*S COMPUTE HYD BASIN B4
COMPUTE NM HYD      ID=4    HYDNO=104 AREA=0.002221SQ MI
PER A=0 PER B=0 PER C=60 PER D=40
TP=.1667 HR MASS RAIN=-1
PRINT HYD          ID=4    CODE=5
*****
*S COMPUTE HYD BASIN B5
COMPUTE NM HYD      ID=5    HYDNO=105 AREA=0.000870SQ MI
PER A=0 PER B=0 PER C=0 PER D=100
TP=.1667 HR MASS RAIN=-1
PRINT HYD          ID=5    CODE=5
*****
*****
*S ADD B5 AND B2 FLOW TO INLET
ADD HYD             ID=10 HYDNO=101
ID=5 ID=2
PRINT HYD          ID=10 CODE=5
*S ADD B3 AND B4
ADD HYD             ID=11 HYDNO=102
ID=3 ID=4
PRINT HYD          ID=11 CODE=5
*****
*****
*S ADD HYD 101 AND 102
ADD HYD             ID=12 HYDNO=203
ID=10 ID=11
PRINT HYD          ID=12 CODE=5

*S ADD HYD 12 AND 1 POND INFLOW
ADD HYD             ID=13 HYDNO=104
ID=12 ID=1
PRINT HYD          ID=13 CODE=5

*****
*S
*S ROUTING OF POND B
*S WITH NO INFILTRATION AND DISCHARGE
*S THROUGH 20 6" X 6" OPENINGS
*S
*****
ROUTE RESERVOIR      ID=20 HYD=301 INFLOW ID=13 CODE=1
OUTFLOW              STORAGE          ELEV
(CFS)                (AC-FT)          (FT)
0.00                  0.0000          5106
0.01                  0.9793          5112.05
1.06                  1.0431          5112.1
2.98                  1.1078          5112.2
5.48                  1.1735          5112.3
11.78                 1.3077          5112.5
14.48                 1.3764          5112.6
21.20                 1.6619          5113.0
27.37                 2.0319          5113.5

PRINT HYD          ID=20 CODE=0
*****
*****
*S
*S ROUTING OF POND B FOR SUBSEQUENT 24 HOUR STORM
*S WITH NO INFILTRATION OF FIRST STORM AND DISCAHRGE
*S THROUGH 20 6" X 6" OPENINGS
*S
*****
ROUTE RESERVOIR      ID=20 HYD=301 INFLOW ID=13 CODE=1
OUTFLOW              STORAGE          ELEV
(CFS)                (AC-FT)          (FT)
0.00                  0.0000          5112.06

```

1.06	0.0749	5112.1
2.98	0.1499	5112.2
5.48	0.2104	5112.3
11.78	0.3746	5112.5
14.48	0.4697	5112.6
21.20	0.9016	5113.0
27.37	1.5961	5113.5

PRINT HYD ID=20 CODE=0

*S

*S ROUTING OF POND B

*S WITH INFILTRATION AND DISCHARGE

*S THROUGH 20 6" X 6" OPENINGS

*S

ROUTE RESERVOIR	ID=20 HYD=301 OUTFLOW (CFS)	INFLOW ID=13 STORAGE (AC-FT)	CODE=1 ELEV (FT)
	0.00	0.0000	5106
	0.03	0.0305	5107
	0.05	0.0759	5108
	0.06	0.1386	5109
	0.08	0.2209	5110
	0.34	0.4453	5111
	0.43	0.6828	5111.5
	0.53	0.9793	5112
	1.63	1.0445	5112.1
	3.59	1.1097	5112.2
	6.11	1.1530	5112.3
	12.52	1.3053	5112.5
	15.33	1.4205	5112.6
	22.15	1.6505	5113.0
	28.73	2.0319	5113.5

PRINT HYD ID=20 CODE=0

*S

*S ROUTING OF POND B FOR SUBSEQUENT 24 HOUR STORM

*S WITH 24 HOUR INFILTRATION OF FIRST STORM AND DISCHARGE

*S THROUGH 20 6" X 6" OPENINGS

*S

ROUTE RESERVOIR	ID=20 HYD=301 OUTFLOW (CFS)	INFLOW ID=13 STORAGE (AC-FT)	CODE=1 ELEV (FT)
	0.00	0.0000	5111.24
	0.43	0.1146	5111.5
	0.61	0.4006	5112
	1.63	0.4755	5112.1
	3.59	0.5505	5112.2
	4.79	0.6111	5112.3
	12.52	0.7753	5112.5
	17.27	0.8703	5112.6
	22.15	1.3022	5113.0
	28.73	1.9967	5113.5

PRINT HYD ID=20 CODE=0

FINISH

OUTPUT

AHYMO PROGRAM (AHYMO_97) - - Version: 1997.02c
RUN DATE (MON/DAY/YR) = 09/02/2018
START TIME (HR:MIN:SEC) = 15:50:51 USER NO.= AHYMO-I-9702c01000Q29-AH
INPUT FILE = F:\Sheldon\SJRG\SJA6D4-1.HMI

*S ST JOSEPHS ON THE RIO GRANDE

*S 100 year 24 hour rainfall

RAINFALL TYPE=2 RAIN QUARTER=0
RAIN ONE=1.87 IN RAIN SIX=2.20 IN
RAIN DAY=2.66 IN DT=0.05 HRS

COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.

DT =	.050000 HOURS	END TIME =	24.000000 HOURS
.0000	.0025	.0050	.0076
.0190	.0222	.0254	.0289
.0443	.0487	.0534	.0584
.0837	.0924	.1176	.1773
.9790	1.2253	1.3366	1.4295
1.7096	1.7648	1.8156	1.8624
1.9631	1.9708	1.9780	1.9848
2.0087	2.0140	2.0191	2.0240
2.0420	2.0462	2.0502	2.0542
2.0689	2.0724	2.0757	2.0791
2.0916	2.0946	2.0976	2.1005
2.1115	2.1142	2.1168	2.1193
2.1293	2.1316	2.1340	2.1363
2.1453	2.1475	2.1497	2.1518
2.1601	2.1621	2.1641	2.1660
2.1737	2.1756	2.1774	2.1793
2.1864	2.1882	2.1899	2.1916
2.1984	2.2000	2.2020	2.2039
2.2117	2.2136	2.2155	2.2174
2.2249	2.2268	2.2287	2.2305
2.2379	2.2398	2.2416	2.2434
2.2506	2.2524	2.2542	2.2559
2.2630	2.2647	2.2665	2.2682
2.2751	2.2768	2.2785	2.2802
2.2870	2.2887	2.2903	2.2920
2.2986	2.3002	2.3019	2.3035
2.3100	2.3116	2.3132	2.3148
2.3212	2.3227	2.3243	2.3259
2.3321	2.3336	2.3352	2.3367
2.3428	2.3444	2.3459	2.3474
2.3534	2.3549	2.3563	2.3578
2.3637	2.3652	2.3666	2.3681
2.3739	2.3753	2.3767	2.3782
2.3839	2.3853	2.3867	2.3881
2.3937	2.3951	2.3965	2.3978
2.4033	2.4047	2.4061	2.4074

2.4128	2.4142	2.4155	2.4168	2.4182	2.4195	2.4208
2.4222	2.4235	2.4248	2.4261	2.4274	2.4287	2.4300
2.4314	2.4327	2.4340	2.4352	2.4365	2.4378	2.4391
2.4404	2.4417	2.4430	2.4442	2.4455	2.4468	2.4480
2.4493	2.4506	2.4518	2.4531	2.4543	2.4556	2.4568
2.4581	2.4593	2.4606	2.4618	2.4630	2.4643	2.4655
2.4667	2.4680	2.4692	2.4704	2.4716	2.4728	2.4740
2.4753	2.4765	2.4777	2.4789	2.4801	2.4813	2.4825
2.4837	2.4849	2.4860	2.4872	2.4884	2.4896	2.4908
2.4919	2.4931	2.4943	2.4955	2.4966	2.4978	2.4990
2.5001	2.5013	2.5024	2.5036	2.5047	2.5059	2.5070
2.5082	2.5093	2.5105	2.5116	2.5127	2.5139	2.5150
2.5161	2.5172	2.5184	2.5195	2.5206	2.5217	2.5229
2.5240	2.5251	2.5262	2.5273	2.5284	2.5295	2.5306
2.5317	2.5328	2.5339	2.5350	2.5361	2.5372	2.5383
2.5394	2.5404	2.5415	2.5426	2.5437	2.5448	2.5458
2.5469	2.5480	2.5490	2.5501	2.5512	2.5522	2.5533
2.5544	2.5554	2.5565	2.5575	2.5586	2.5596	2.5607
2.5617	2.5628	2.5638	2.5649	2.5659	2.5669	2.5680
2.5690	2.5700	2.5711	2.5721	2.5731	2.5741	2.5752
2.5762	2.5772	2.5782	2.5792	2.5803	2.5813	2.5823
2.5833	2.5843	2.5853	2.5863	2.5873	2.5883	2.5893
2.5903	2.5913	2.5923	2.5933	2.5943	2.5953	2.5963
2.5973	2.5982	2.5992	2.6002	2.6012	2.6022	2.6031
2.6041	2.6051	2.6061	2.6070	2.6080	2.6090	2.6099
2.6109	2.6119	2.6128	2.6138	2.6148	2.6157	2.6167
2.6176	2.6186	2.6195	2.6205	2.6214	2.6224	2.6233
2.6243	2.6252	2.6261	2.6271	2.6280	2.6290	2.6299
2.6308	2.6318	2.6327	2.6336	2.6346	2.6355	2.6364
2.6373	2.6383	2.6392	2.6401	2.6410	2.6419	2.6428
2.6438	2.6447	2.6456	2.6465	2.6474	2.6483	2.6492
2.6501	2.6510	2.6519	2.6528	2.6537	2.6546	2.6555
2.6564	2.6573	2.6582	2.6591	2.6600		

*S

*S PROPOSED Conditions

*S

*S OFFSITE BASINS

*S COMPUTE HYD BASIN A1

COMPUTE NM HYD ID=1 HYDNO=101 AREA=0.002328SQ 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 = 6.6146 CFS UNIT VOLUME = .9979 B = 526.28 P60 = 1.8700
 AREA = .002095 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

K = .132393HR TP = .166700HR K/TP RATIO = .794199 SHAPE CONSTANT, N = 4.514851
 UNIT PEAK = .54205 CFS UNIT VOLUME = .9781 B = 388.14 P60 = 1.8700

AREA = .000233 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

PRINT HYD ID=1 CODE=5

PARTIAL HYDROGRAPH 101.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.0	10.000	.0	15.000	.0	20.000	.0
.250	.0	5.250	.0	10.250	.0	15.250	.0	20.250	.0
.500	.0	5.500	.0	10.500	.0	15.500	.0	20.500	.0
.750	.0	5.750	.0	10.750	.0	15.750	.0	20.750	.0
1.000	.0	6.000	.0	11.000	.0	16.000	.0	21.000	.0
1.250	.3	6.250	.1	11.250	.0	16.250	.0	21.250	.0
1.500	5.4	6.500	.1	11.500	.0	16.500	.0	21.500	.0
1.750	2.7	6.750	.1	11.750	.0	16.750	.0	21.750	.0
2.000	1.6	7.000	.1	12.000	.0	17.000	.0	22.000	.0
2.250	.6	7.250	.0	12.250	.0	17.250	.0	22.250	.0
2.500	.3	7.500	.0	12.500	.0	17.500	.0	22.500	.0
2.750	.1	7.750	.0	12.750	.0	17.750	.0	22.750	.0
3.000	.1	8.000	.0	13.000	.0	18.000	.0	23.000	.0
3.250	.1	8.250	.0	13.250	.0	18.250	.0	23.250	.0
3.500	.0	8.500	.0	13.500	.0	18.500	.0	23.500	.0
3.750	.0	8.750	.0	13.750	.0	18.750	.0	23.750	.0
4.000	.0	9.000	.0	14.000	.0	19.000	.0	24.000	.0
4.250	.0	9.250	.0	14.250	.0	19.250	.0	24.250	.0
4.500	.0	9.500	.0	14.500	.0	19.500	.0	24.500	.0
4.750	.0	9.750	.0	14.750	.0	19.750	.0		

RUNOFF VOLUME = 2.28382 INCHES = .2836 ACRE-FEET
 PEAK DISCHARGE RATE = 5.55 CFS AT 1.550 HOURS BASIN AREA = .0023 SQ. MI.

*S COMPUTE HYD BASIN A2

COMPUTE NM HYD ID=2 HYDNO=102 AREA=0.004547SQ MI

PER A=15 PER B=0 PER C=14 PER D=86

TP=.1667 HR MASS RAIN=-1

*****WARNING***** SUM OF TREATMENT TYPES DOES NOT EQUAL 100 PERCENT OR TOTAL AREA

K = .090852HR TP = .166700HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 10.735 CFS UNIT VOLUME = .9986 B = 526.28 P60 = 1.8700
 AREA = .003400 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

K = .169792HR TP = .166700HR K/TP RATIO = 1.018546 SHAPE CONSTANT, N = 3.465635
 UNIT PEAK = 2.1861 CFS UNIT VOLUME = .9944 B = 317.81 P60 = 1.8700
 AREA = .001147 SQ MI IA = .50517 INCHES INF = 1.26448 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

PRINT HYD ID=2 CODE=5

PARTIAL HYDROGRAPH 102.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.1	10.000	.1	15.000	.1	20.000	.0
.250	.0	5.250	.1	10.250	.1	15.250	.1	20.250	.0
.500	.0	5.500	.1	10.500	.1	15.500	.1	20.500	.0
.750	.0	5.750	.1	10.750	.1	15.750	.1	20.750	.0
1.000	.0	6.000	.1	11.000	.1	16.000	.1	21.000	.0
1.250	.5	6.250	.1	11.250	.1	16.250	.1	21.250	.0
1.500	9.4	6.500	.1	11.500	.1	16.500	.1	21.500	.0
1.750	4.7	6.750	.1	11.750	.1	16.750	.0	21.750	.0
2.000	2.7	7.000	.1	12.000	.1	17.000	.0	22.000	.0
2.250	1.0	7.250	.1	12.250	.1	17.250	.0	22.250	.0
2.500	.5	7.500	.1	12.500	.1	17.500	.0	22.500	.0
2.750	.3	7.750	.1	12.750	.1	17.750	.0	22.750	.0
3.000	.2	8.000	.1	13.000	.1	18.000	.0	23.000	.0
3.250	.1	8.250	.1	13.250	.1	18.250	.0	23.250	.0
3.500	.1	8.500	.1	13.500	.1	18.500	.0	23.500	.0
3.750	.1	8.750	.1	13.750	.1	18.750	.0	23.750	.0
4.000	.1	9.000	.1	14.000	.1	19.000	.0	24.000	.0
4.250	.1	9.250	.1	14.250	.1	19.250	.0	24.250	.0
4.500	.1	9.500	.1	14.500	.1	19.500	.0	24.500	.0
4.750	.1	9.750	.1	14.750	.1	19.750	.0	24.750	.0

RUNOFF VOLUME = 1.98084 INCHES = .4804 ACRE-FEET
PEAK DISCHARGE RATE = 9.61 CFS AT 1.550 HOURS BASIN AREA = .0045 SQ. MI.

*S COMPUTE HYD BASIN A3

COMPUTE NM HYD ID=3 HYDNO=103 AREA=0.000281SQ MI
PER A=0 PER B=0 PER C=95 PER D=5
TP=.1667 HR MASS RAIN=-1

K = .090852HR TP = .166700HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .44356E-01CFS UNIT VOLUME = .9020 B = 526.28 P60 = 1.8700
AREA = .000014 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

K = .132393HR TP = .166700HR K/TP RATIO = .794199 SHAPE CONSTANT, N = 4.514851
UNIT PEAK = .62156 CFS UNIT VOLUME = .9808 B = 388.14 P60 = 1.8700
AREA = .000267 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

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
.000	.0	.750	.0	1.500	.4	2.250	.0		
.250	.0	1.000	.0	1.750	.2	2.500	.0		
.500	.0	1.250	.0	2.000	.1	2.750	.0		

RUNOFF VOLUME = 1.06478 INCHES = .0160 ACRE-FEET
 PEAK DISCHARGE RATE = .47 CFS AT 1.550 HOURS BASIN AREA = .0003 SQ. MI.

*S COMPUTE HYD BASIN A4

COMPUTE NM HYD ID=4 HYDNO=104 AREA=0.001766SQ MI
 PER A=0 PER B=0 PER C=95 PER D=5
 TP=.1667 HR MASS RAIN=-1

K = .090852HR TP = .166700HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = .27877 CFS UNIT VOLUME = .9606 B = 526.28 P60 = 1.8700
 AREA = .000088 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

K = .132393HR TP = .166700HR K/TP RATIO = .794199 SHAPE CONSTANT, N = 4.514851
 UNIT PEAK = 3.9063 CFS UNIT VOLUME = .9974 B = 388.14 P60 = 1.8700
 AREA = .001678 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

*PRINT HYD

ID=4 CODE=5

*S ADD A1 AND A2

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
.000	.0	5.000	.1	10.000	.1	15.000	.1	20.000	.1
.250	.0	5.250	.1	10.250	.1	15.250	.1	20.250	.1
.500	.0	5.500	.1	10.500	.1	15.500	.1	20.500	.1
.750	.0	5.750	.1	10.750	.1	15.750	.1	20.750	.1
1.000	.0	6.000	.1	11.000	.1	16.000	.1	21.000	.1
1.250	.9	6.250	.1	11.250	.1	16.250	.1	21.250	.1
1.500	14.8	6.500	.1	11.500	.1	16.500	.1	21.500	.1
1.750	7.4	6.750	.1	11.750	.1	16.750	.1	21.750	.1
2.000	4.3	7.000	.1	12.000	.1	17.000	.1	22.000	.1

2.250	1.5	7.250	.1	12.250	.1	17.250	.1	22.250	.1
2.500	.7	7.500	.1	12.500	.1	17.500	.1	22.500	.1
2.750	.4	7.750	.1	12.750	.1	17.750	.1	22.750	.1
3.000	.2	8.000	.1	13.000	.1	18.000	.1	23.000	.1
3.250	.2	8.250	.1	13.250	.1	18.250	.1	23.250	.1
3.500	.1	8.500	.1	13.500	.1	18.500	.1	23.500	.1
3.750	.1	8.750	.1	13.750	.1	18.750	.1	23.750	.1
4.000	.1	9.000	.1	14.000	.1	19.000	.1	24.000	.1
4.250	.1	9.250	.1	14.250	.1	19.250	.1	24.250	.0
4.500	.1	9.500	.1	14.500	.1	19.500	.1	24.500	.0
4.750	.1	9.750	.1	14.750	.1	19.750	.1	24.750	.0

RUNOFF VOLUME = 2.08333 INCHES = .7639 ACRE-FEET
 PEAK DISCHARGE RATE = 15.16 CFS AT 1.550 HOURS BASIN AREA = .0069 SQ. MI.

*S ADD A3 AND A4

ADD HYD ID=11 HYDNO=202

ID=3 ID=4

PRINT HYD ID=11 CODE=5

PARTIAL HYDROGRAPH 202.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.0	10.000	.0	15.000	.0	20.000	.0
.250	.0	5.250	.0	10.250	.0	15.250	.0	20.250	.0
.500	.0	5.500	.0	10.500	.0	15.500	.0	20.500	.0
.750	.0	5.750	.0	10.750	.0	15.750	.0	20.750	.0
1.000	.0	6.000	.0	11.000	.0	16.000	.0	21.000	.0
1.250	.0	6.250	.0	11.250	.0	16.250	.0	21.250	.0
1.500	3.2	6.500	.0	11.500	.0	16.500	.0	21.500	.0
1.750	1.6	6.750	.0	11.750	.0	16.750	.0	21.750	.0
2.000	.6	7.000	.0	12.000	.0	17.000	.0	22.000	.0
2.250	.2	7.250	.0	12.250	.0	17.250	.0	22.250	.0
2.500	.1	7.500	.0	12.500	.0	17.500	.0	22.500	.0
2.750	.1	7.750	.0	12.750	.0	17.750	.0	22.750	.0
3.000	.0	8.000	.0	13.000	.0	18.000	.0	23.000	.0
3.250	.0	8.250	.0	13.250	.0	18.250	.0	23.250	.0
3.500	.0	8.500	.0	13.500	.0	18.500	.0	23.500	.0
3.750	.0	8.750	.0	13.750	.0	18.750	.0	23.750	.0
4.000	.0	9.000	.0	14.000	.0	19.000	.0	24.000	.0
4.250	.0	9.250	.0	14.250	.0	19.250	.0		
4.500	.0	9.500	.0	14.500	.0	19.500	.0		
4.750	.0	9.750	.0	14.750	.0	19.750	.0		

RUNOFF VOLUME = 1.06082 INCHES = .1158 ACRE-FEET
 PEAK DISCHARGE RATE = 3.35 CFS AT 1.550 HOURS BASIN AREA = .0020 SQ. MI.

*S ADD HYD 201 AND 202 TO CITY POND
 ADD HYD ID=12 HYDNO=203
 ID=10 ID=11
 PRINT HYD ID=12 CODE=5

PARTIAL HYDROGRAPH 203.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.1	10.000	.1	15.000	.1	20.000	.1
.250	.0	5.250	.1	10.250	.1	15.250	.1	20.250	.1
.500	.0	5.500	.1	10.500	.1	15.500	.1	20.500	.1
.750	.0	5.750	.1	10.750	.1	15.750	.1	20.750	.1
1.000	.0	6.000	.1	11.000	.1	16.000	.1	21.000	.1
1.250	.9	6.250	.1	11.250	.1	16.250	.1	21.250	.1
1.500	18.0	6.500	.1	11.500	.1	16.500	.1	21.500	.1
1.750	9.0	6.750	.1	11.750	.1	16.750	.1	21.750	.1
2.000	4.9	7.000	.1	12.000	.1	17.000	.1	22.000	.1
2.250	1.8	7.250	.1	12.250	.1	17.250	.1	22.250	.1
2.500	.8	7.500	.1	12.500	.1	17.500	.1	22.500	.1
2.750	.4	7.750	.1	12.750	.1	17.750	.1	22.750	.1
3.000	.3	8.000	.1	13.000	.1	18.000	.1	23.000	.1
3.250	.2	8.250	.1	13.250	.1	18.250	.1	23.250	.1
3.500	.1	8.500	.1	13.500	.1	18.500	.1	23.500	.1
3.750	.1	8.750	.1	13.750	.1	18.750	.1	23.750	.1
4.000	.1	9.000	.1	14.000	.1	19.000	.1	24.000	.1
4.250	.1	9.250	.1	14.250	.1	19.250	.1	24.250	.0
4.500	.1	9.500	.1	14.500	.1	19.500	.1	24.500	.0
4.750	.1	9.750	.1	14.750	.1	19.750	.1	24.750	.0

RUNOFF VOLUME = 1.84873 INCHES = .8797 ACRE-FEET
 PEAK DISCHARGE RATE = 18.51 CFS AT 1.550 HOURS BASIN AREA = .0089 SQ. MI.

*S
 *S ONSITE BASINs
 *S
 *S COMPUTE HYD BASIN B1
 COMPUTE NM HYD ID=1 HYDNO=101 AREA=0.007323SQ 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 = 19.651 CFS UNIT VOLUME = .9991 B = 526.28 P60 = 1.8700
 AREA = .006225 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

K = .132393HR TP = .166700HR K/TP RATIO = .794199 SHAPE CONSTANT, N = 4.514851
 UNIT PEAK = 2.5576 CFS UNIT VOLUME = .9958 B = 388.14 P60 = 1.8700
 AREA = .001098 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

PRINT HYD

ID=1 CODE=5

PARTIAL HYDROGRAPH 101.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.1	10.000	.1	15.000	.1	20.000	.1
.250	.0	5.250	.1	10.250	.1	15.250	.1	20.250	.1
.500	.0	5.500	.1	10.500	.1	15.500	.1	20.500	.1
.750	.0	5.750	.1	10.750	.1	15.750	.1	20.750	.1
1.000	.0	6.000	.1	11.000	.1	16.000	.1	21.000	.1
1.250	1.0	6.250	.1	11.250	.1	16.250	.1	21.250	.1
1.500	16.7	6.500	.2	11.500	.1	16.500	.1	21.500	.1
1.750	8.3	6.750	.2	11.750	.1	16.750	.1	21.750	.1
2.000	4.9	7.000	.1	12.000	.1	17.000	.1	22.000	.1
2.250	1.7	7.250	.1	12.250	.1	17.250	.1	22.250	.1
2.500	.8	7.500	.1	12.500	.1	17.500	.1	22.500	.1
2.750	.4	7.750	.1	12.750	.1	17.750	.1	22.750	.1
3.000	.3	8.000	.1	13.000	.1	18.000	.1	23.000	.1
3.250	.2	8.250	.1	13.250	.1	18.250	.1	23.250	.1
3.500	.1	8.500	.1	13.500	.1	18.500	.1	23.500	.1
3.750	.1	8.750	.1	13.750	.1	18.750	.1	23.750	.1
4.000	.1	9.000	.1	14.000	.1	19.000	.1	24.000	.1
4.250	.1	9.250	.1	14.250	.1	19.250	.1	24.250	.0
4.500	.1	9.500	.1	14.500	.1	19.500	.1	24.500	.0
4.750	.1	9.750	.1	14.750	.1	19.750	.1	24.750	.0

RUNOFF VOLUME = 2.21211 INCHES = .8640 ACRE-FEET
 PEAK DISCHARGE RATE = 17.09 CFS AT 1.550 HOURS BASIN AREA = .0073 SQ. MI.

*S COMPUTE HYD BASIN B2

COMPUTE NM HYD ID=2 HYDNO=102 AREA=0.003982SQ 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 = 10.686 CFS UNIT VOLUME = .9986 B = 526.28 P60 = 1.8700
 AREA = .003385 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

K = .132393HR TP = .166700HR K/TP RATIO = .794199 SHAPE CONSTANT, N = 4.514851
 UNIT PEAK = 1.3907 CFS UNIT VOLUME = .9914 B = 388.14 P60 = 1.8700
 AREA = .000597 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

PRINT HYD ID=2 CODE=5

PARTIAL HYDROGRAPH 102.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.1	10.000	.1	15.000	.1	20.000	.0
.250	.0	5.250	.1	10.250	.1	15.250	.1	20.250	.0
.500	.0	5.500	.1	10.500	.1	15.500	.1	20.500	.0
.750	.0	5.750	.1	10.750	.1	15.750	.1	20.750	.0
1.000	.0	6.000	.1	11.000	.1	16.000	.1	21.000	.0
1.250	.5	6.250	.1	11.250	.1	16.250	.1	21.250	.0
1.500	9.1	6.500	.1	11.500	.1	16.500	.1	21.500	.0
1.750	4.5	6.750	.1	11.750	.1	16.750	.0	21.750	.0
2.000	2.7	7.000	.1	12.000	.1	17.000	.0	22.000	.0
2.250	.9	7.250	.1	12.250	.1	17.250	.0	22.250	.0
2.500	.4	7.500	.1	12.500	.1	17.500	.0	22.500	.0
2.750	.2	7.750	.1	12.750	.1	17.750	.0	22.750	.0
3.000	.1	8.000	.1	13.000	.1	18.000	.0	23.000	.0
3.250	.1	8.250	.1	13.250	.1	18.250	.0	23.250	.0
3.500	.1	8.500	.1	13.500	.1	18.500	.0	23.500	.0
3.750	.1	8.750	.1	13.750	.1	18.750	.0	23.750	.0
4.000	.1	9.000	.1	14.000	.1	19.000	.0	24.000	.0
4.250	.1	9.250	.1	14.250	.1	19.250	.0	24.250	.0
4.500	.1	9.500	.1	14.500	.1	19.500	.0	24.500	.0
4.750	.1	9.750	.1	14.750	.1	19.750	.0	24.750	.0

RUNOFF VOLUME = 2.21212 INCHES = .4698 ACRE-FEET
PEAK DISCHARGE RATE = 9.30 CFS AT 1.550 HOURS BASIN AREA = .0040 SQ. MI.

*S COMPUTE HYD BASIN B3

COMPUTE NM HYD ID=3 HYDNO=103 AREA=0.000764SQ MI
PER A=0 PER B=0 PER C=5 PER D=95
TP=.1667 HR MASS RAIN=-1

K = .090852HR TP = .166700HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 2.2914 CFS UNIT VOLUME = .9945 B = 526.28 P60 = 1.8700
AREA = .000726 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

K = .132393HR TP = .166700HR K/TP RATIO = .794199 SHAPE CONSTANT, N = 4.514851
UNIT PEAK = .88944E-01CFS UNIT VOLUME = .8844 B = 388.14 P60 = 1.8700
AREA = .000038 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

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
.000	.0	5.000	.0	10.000	.0	15.000	.0	20.000	.0
.250	.0	5.250	.0	10.250	.0	15.250	.0	20.250	.0
.500	.0	5.500	.0	10.500	.0	15.500	.0	20.500	.0
.750	.0	5.750	.0	10.750	.0	15.750	.0	20.750	.0
1.000	.0	6.000	.0	11.000	.0	16.000	.0	21.000	.0
1.250	.1	6.250	.0	11.250	.0	16.250	.0	21.250	.0
1.500	1.8	6.500	.0	11.500	.0	16.500	.0	21.500	.0
1.750	.9	6.750	.0	11.750	.0	16.750	.0	21.750	.0
2.000	.5	7.000	.0	12.000	.0	17.000	.0	22.000	.0
2.250	.2	7.250	.0	12.250	.0	17.250	.0	22.250	.0
2.500	.1	7.500	.0	12.500	.0	17.500	.0	22.500	.0
2.750	.0	7.750	.0	12.750	.0	17.750	.0	22.750	.0
3.000	.0	8.000	.0	13.000	.0	18.000	.0	23.000	.0
3.250	.0	8.250	.0	13.250	.0	18.250	.0	23.250	.0
3.500	.0	8.500	.0	13.500	.0	18.500	.0	23.500	.0
3.750	.0	8.750	.0	13.750	.0	18.750	.0	23.750	.0
4.000	.0	9.000	.0	14.000	.0	19.000	.0	24.000	.0
4.250	.0	9.250	.0	14.250	.0	19.250	.0	24.250	.0
4.500	.0	9.500	.0	14.500	.0	19.500	.0		
4.750	.0	9.750	.0	14.750	.0	19.750	.0		

RUNOFF VOLUME = 2.35553 INCHES = .0960 ACRE-FEET
 PEAK DISCHARGE RATE = 1.87 CFS AT 1.550 HOURS BASIN AREA = .0008 SQ. MI.

*S COMPUTE HYD BASIN B4

COMPUTE NM HYD ID=4 HYDNO=104 AREA=0.002221SQ MI
 PER A=0 PER B=0 PER C=60 PER D=40
 TP=.1667 HR MASS RAIN=-1

K = .090852HR TP = .166700HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 2.8047 CFS UNIT VOLUME = .9953 B = 526.28 P60 = 1.8700
 AREA = .000888 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

K = .132393HR TP = .166700HR K/TP RATIO = .794199 SHAPE CONSTANT, N = 4.514851
 UNIT PEAK = 3.1028 CFS UNIT VOLUME = .9969 B = 388.14 P60 = 1.8700
 AREA = .001333 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

PRINT HYD ID=4 CODE=5

PARTIAL HYDROGRAPH 104.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.0	10.000	.0	15.000	.0	20.000	.0
.250	.0	5.250	.0	10.250	.0	15.250	.0	20.250	.0
.500	.0	5.500	.0	10.500	.0	15.500	.0	20.500	.0
.750	.0	5.750	.0	10.750	.0	15.750	.0	20.750	.0
1.000	.0	6.000	.0	11.000	.0	16.000	.0	21.000	.0
1.250	.1	6.250	.0	11.250	.0	16.250	.0	21.250	.0
1.500	4.1	6.500	.0	11.500	.0	16.500	.0	21.500	.0
1.750	2.1	6.750	.0	11.750	.0	16.750	.0	21.750	.0
2.000	1.0	7.000	.0	12.000	.0	17.000	.0	22.000	.0
2.250	.4	7.250	.0	12.250	.0	17.250	.0	22.250	.0
2.500	.2	7.500	.0	12.500	.0	17.500	.0	22.500	.0
2.750	.1	7.750	.0	12.750	.0	17.750	.0	22.750	.0
3.000	.1	8.000	.0	13.000	.0	18.000	.0	23.000	.0
3.250	.0	8.250	.0	13.250	.0	18.250	.0	23.250	.0
3.500	.0	8.500	.0	13.500	.0	18.500	.0	23.500	.0
3.750	.0	8.750	.0	13.750	.0	18.750	.0	23.750	.0
4.000	.0	9.000	.0	14.000	.0	19.000	.0	24.000	.0
4.250	.0	9.250	.0	14.250	.0	19.250	.0	24.250	.0
4.500	.0	9.500	.0	14.500	.0	19.500	.0		
4.750	.0	9.750	.0	14.750	.0	19.750	.0		

RUNOFF VOLUME = 1.56674 INCHES = .1856 ACRE-FEET
 PEAK DISCHARGE RATE = 4.31 CFS AT 1.550 HOURS BASIN AREA = .0022 SQ. MI.

*S COMPUTE HYD BASIN B5

COMPUTE NM HYD ID=5 HYDNO=105 AREA=0.000870SQ MI
 PER A=0 PER B=0 PER C=0 PER D=100
 TP=.1667 HR MASS RAIN=-1

K = .090852HR TP = .166700HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 2.7466 CFS UNIT VOLUME = .9953 B = 526.28 P60 = 1.8700
 AREA = .000870 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .050000

PRINT HYD ID=5 CODE=5

PARTIAL HYDROGRAPH 105.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.0	10.000	.0	15.000	.0	20.000	.0
.250	.0	5.250	.0	10.250	.0	15.250	.0	20.250	.0
.500	.0	5.500	.0	10.500	.0	15.500	.0	20.500	.0
.750	.0	5.750	.0	10.750	.0	15.750	.0	20.750	.0
1.000	.0	6.000	.0	11.000	.0	16.000	.0	21.000	.0
1.250	.1	6.250	.0	11.250	.0	16.250	.0	21.250	.0
1.500	2.1	6.500	.0	11.500	.0	16.500	.0	21.500	.0

1.750	1.0	6.750	.0	11.750	.0	16.750	.0	21.750	.0
2.000	.6	7.000	.0	12.000	.0	17.000	.0	22.000	.0
2.250	.2	7.250	.0	12.250	.0	17.250	.0	22.250	.0
2.500	.1	7.500	.0	12.500	.0	17.500	.0	22.500	.0
2.750	.1	7.750	.0	12.750	.0	17.750	.0	22.750	.0
3.000	.0	8.000	.0	13.000	.0	18.000	.0	23.000	.0
3.250	.0	8.250	.0	13.250	.0	18.250	.0	23.250	.0
3.500	.0	8.500	.0	13.500	.0	18.500	.0	23.500	.0
3.750	.0	8.750	.0	13.750	.0	18.750	.0	23.750	.0
4.000	.0	9.000	.0	14.000	.0	19.000	.0	24.000	.0
4.250	.0	9.250	.0	14.250	.0	19.250	.0	24.250	.0
4.500	.0	9.500	.0	14.500	.0	19.500	.0		
4.750	.0	9.750	.0	14.750	.0	19.750	.0		

RUNOFF VOLUME = 2.42724 INCHES = .1126 ACRE-FEET
PEAK DISCHARGE RATE = 2.15 CFS AT 1.550 HOURS BASIN AREA = .0009 SQ. MI.

*S ADD B5 AND B2 FLOW TO INLET
ADD HYD ID=10 HYDNO=101
ID=5 ID=2
PRINT HYD ID=10 CODE=5

PARTIAL HYDROGRAPH 101.00

TIME	FLOW	TIME	FLOW	TIME	FLOW	TIME	FLOW	TIME	FLOW
HRS	CFS	HRS	CFS	HRS	CFS	HRS	CFS	HRS	CFS
.000	.0	5.000	.1	10.000	.1	15.000	.1	20.000	.1
.250	.0	5.250	.1	10.250	.1	15.250	.1	20.250	.1
.500	.0	5.500	.1	10.500	.1	15.500	.1	20.500	.1
.750	.0	5.750	.1	10.750	.1	15.750	.1	20.750	.1
1.000	.0	6.000	.1	11.000	.1	16.000	.1	21.000	.1
1.250	.7	6.250	.1	11.250	.1	16.250	.1	21.250	.1
1.500	11.2	6.500	.1	11.500	.1	16.500	.1	21.500	.1
1.750	5.6	6.750	.1	11.750	.1	16.750	.1	21.750	.1
2.000	3.3	7.000	.1	12.000	.1	17.000	.1	22.000	.1
2.250	1.2	7.250	.1	12.250	.1	17.250	.1	22.250	.1
2.500	.5	7.500	.1	12.500	.1	17.500	.1	22.500	.1
2.750	.3	7.750	.1	12.750	.1	17.750	.1	22.750	.1
3.000	.2	8.000	.1	13.000	.1	18.000	.1	23.000	.1
3.250	.1	8.250	.1	13.250	.1	18.250	.1	23.250	.1
3.500	.1	8.500	.1	13.500	.1	18.500	.1	23.500	.0
3.750	.1	8.750	.1	13.750	.1	18.750	.1	23.750	.0
4.000	.1	9.000	.1	14.000	.1	19.000	.1	24.000	.0
4.250	.1	9.250	.1	14.250	.1	19.250	.1	24.250	.0
4.500	.1	9.500	.1	14.500	.1	19.500	.1	24.500	.0
4.750	.1	9.750	.1	14.750	.1	19.750	.1	24.750	.0

RUNOFF VOLUME = 2.25054 INCHES = .5824 ACRE-FEET

PEAK DISCHARGE RATE = 11.45 CFS AT 1.550 HOURS BASIN AREA = .0049 SQ. MI.

*S ADD B3 AND B4

ADD HYD

ID=11 HYDNO=102

ID=3 ID=4

PRINT HYD

ID=11 CODE=5

PARTIAL HYDROGRAPH 102.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.0	10.000	.0	15.000	.0	20.000	.0
.250	.0	5.250	.0	10.250	.0	15.250	.0	20.250	.0
.500	.0	5.500	.0	10.500	.0	15.500	.0	20.500	.0
.750	.0	5.750	.0	10.750	.0	15.750	.0	20.750	.0
1.000	.0	6.000	.0	11.000	.0	16.000	.0	21.000	.0
1.250	.3	6.250	.0	11.250	.0	16.250	.0	21.250	.0
1.500	6.0	6.500	.0	11.500	.0	16.500	.0	21.500	.0
1.750	3.0	6.750	.0	11.750	.0	16.750	.0	21.750	.0
2.000	1.6	7.000	.0	12.000	.0	17.000	.0	22.000	.0
2.250	.6	7.250	.0	12.250	.0	17.250	.0	22.250	.0
2.500	.3	7.500	.0	12.500	.0	17.500	.0	22.500	.0
2.750	.1	7.750	.0	12.750	.0	17.750	.0	22.750	.0
3.000	.1	8.000	.0	13.000	.0	18.000	.0	23.000	.0
3.250	.0	8.250	.0	13.250	.0	18.250	.0	23.250	.0
3.500	.0	8.500	.0	13.500	.0	18.500	.0	23.500	.0
3.750	.0	8.750	.0	13.750	.0	18.750	.0	23.750	.0
4.000	.0	9.000	.0	14.000	.0	19.000	.0	24.000	.0
4.250	.0	9.250	.0	14.250	.0	19.250	.0	24.250	.0
4.500	.0	9.500	.0	14.500	.0	19.500	.0		
4.750	.0	9.750	.0	14.750	.0	19.750	.0		

RUNOFF VOLUME = 1.76837 INCHES = .2815 ACRE-FEET

PEAK DISCHARGE RATE = 6.17 CFS AT 1.550 HOURS BASIN AREA = .0030 SQ. MI.

*S ADD HYD 101 AND 102

ADD HYD

ID=12 HYDNO=203

ID=10 ID=11

PRINT HYD

ID=12 CODE=5

PARTIAL HYDROGRAPH 203.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.1	10.000	.1	15.000	.1	20.000	.1
.250	.0	5.250	.1	10.250	.1	15.250	.1	20.250	.1
.500	.0	5.500	.1	10.500	.1	15.500	.1	20.500	.1

.750	.0	5.750	.1	10.750	.1	15.750	.1	20.750	.1
1.000	.0	6.000	.1	11.000	.1	16.000	.1	21.000	.1
1.250	.9	6.250	.1	11.250	.1	16.250	.1	21.250	.1
1.500	17.2	6.500	.1	11.500	.1	16.500	.1	21.500	.1
1.750	8.6	6.750	.1	11.750	.1	16.750	.1	21.750	.1
2.000	4.9	7.000	.1	12.000	.1	17.000	.1	22.000	.1
2.250	1.7	7.250	.1	12.250	.1	17.250	.1	22.250	.1
2.500	.8	7.500	.1	12.500	.1	17.500	.1	22.500	.1
2.750	.4	7.750	.1	12.750	.1	17.750	.1	22.750	.1
3.000	.2	8.000	.1	13.000	.1	18.000	.1	23.000	.1
3.250	.2	8.250	.1	13.250	.1	18.250	.1	23.250	.1
3.500	.1	8.500	.1	13.500	.1	18.500	.1	23.500	.1
3.750	.1	8.750	.1	13.750	.1	18.750	.1	23.750	.1
4.000	.1	9.000	.1	14.000	.1	19.000	.1	24.000	.1
4.250	.1	9.250	.1	14.250	.1	19.250	.1	24.250	.0
4.500	.1	9.500	.1	14.500	.1	19.500	.1	24.500	.0
4.750	.1	9.750	.1	14.750	.1	19.750	.1	24.750	.0

RUNOFF VOLUME = 2.06689 INCHES = .8639 ACRE-FEET
PEAK DISCHARGE RATE = 17.62 CFS AT 1.550 HOURS BASIN AREA = .0078 SQ. MI.

*S ADD HYD 12 AND 1 POND INFLOW
ADD HYD ID=13 HYDNO=104
ID=12 ID=1
PRINT HYD ID=13 CODE=5

PARTIAL HYDROGRAPH 104.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.2	10.000	.2	15.000	.2	20.000	.2
.250	.0	5.250	.2	10.250	.2	15.250	.2	20.250	.2
.500	.0	5.500	.2	10.500	.2	15.500	.2	20.500	.2
.750	.0	5.750	.2	10.750	.2	15.750	.2	20.750	.2
1.000	.0	6.000	.3	11.000	.2	16.000	.2	21.000	.2
1.250	1.9	6.250	.3	11.250	.2	16.250	.2	21.250	.2
1.500	33.9	6.500	.3	11.500	.2	16.500	.2	21.500	.2
1.750	16.9	6.750	.3	11.750	.2	16.750	.2	21.750	.1
2.000	9.8	7.000	.3	12.000	.2	17.000	.2	22.000	.1
2.250	3.5	7.250	.3	12.250	.2	17.250	.2	22.250	.1
2.500	1.6	7.500	.3	12.500	.2	17.500	.2	22.500	.1
2.750	.9	7.750	.3	12.750	.2	17.750	.2	22.750	.1
3.000	.5	8.000	.3	13.000	.2	18.000	.2	23.000	.1
3.250	.3	8.250	.3	13.250	.2	18.250	.2	23.250	.1
3.500	.3	8.500	.3	13.500	.2	18.500	.2	23.500	.1
3.750	.2	8.750	.3	13.750	.2	18.750	.2	23.750	.1
4.000	.2	9.000	.3	14.000	.2	19.000	.2	24.000	.1
4.250	.2	9.250	.3	14.250	.2	19.250	.2	24.250	.0
4.500	.2	9.500	.3	14.500	.2	19.500	.2	24.500	.0

4.750 .2 9.750 .2 14.750 .2 19.750 .2 24.750 .0

RUNOFF VOLUME = 2.13702 INCHES = 1.7278 ACRE-FEET
 PEAK DISCHARGE RATE = 34.71 CFS AT 1.550 HOURS BASIN AREA = .0152 SQ. MI.

*S

*S ROUTING OF POND B

*S WITH NO INFILTRATION AND DISCHARGE

*S THROUGH 20 6" X 6" OPENINGS

*S

ROUTE RESERVOIR			ID=20 HYD=301 INFLOW ID=13 CODE=1
OUTFLOW	STORAGE	ELEV	
(CFS)	(AC-FT)	(FT)	
0.00	0.0000	5106	
0.01	0.9793	5112.05	
1.06	1.0431	5112.1	
2.98	1.1078	5112.2	
5.48	1.1735	5112.3	
11.78	1.3077	5112.5	
14.48	1.3764	5112.6	
21.20	1.6619	5113.0	
27.37	2.0319	5113.5	

* * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	5106.00	.000	.00
.05	.00	5106.00	.000	.00
.10	.00	5106.00	.000	.00
.15	.00	5106.00	.000	.00
.20	.00	5106.00	.000	.00
.25	.00	5106.00	.000	.00
.30	.00	5106.00	.000	.00
.35	.00	5106.00	.000	.00
.40	.00	5106.00	.000	.00
.45	.00	5106.00	.000	.00
.50	.00	5106.00	.000	.00
.55	.00	5106.00	.000	.00
.60	.00	5106.00	.000	.00
.65	.00	5106.00	.000	.00
.70	.00	5106.00	.000	.00
.75	.00	5106.00	.000	.00
.80	.00	5106.00	.000	.00
.85	.00	5106.00	.000	.00

.90	.00	5106.00	.000	.00
.95	.00	5106.00	.000	.00
1.00	.00	5106.00	.000	.00
1.05	.00	5106.00	.000	.00
1.10	.00	5106.00	.000	.00
1.15	.03	5106.00	.000	.00
1.20	.42	5106.01	.001	.00
1.25	1.90	5106.04	.006	.00
1.30	5.00	5106.12	.020	.00
1.35	10.04	5106.32	.051	.00
1.40	17.34	5106.67	.108	.00
1.45	26.55	5107.23	.198	.00
1.50	33.91	5108.00	.323	.00
1.55	34.71	5108.87	.465	.00
1.60	30.02	5109.70	.599	.01
1.65	24.35	5110.39	.711	.01
1.70	19.95	5110.96	.803	.01
1.75	16.85	5111.43	.879	.01
1.80	14.70	5111.83	.944	.01
1.85	13.14	5112.07	1.000	.36
1.90	11.89	5112.11	1.049	1.23
1.95	10.80	5112.17	1.088	2.40
2.00	9.83	5112.22	1.119	3.40
2.05	8.92	5112.25	1.142	4.27
2.10	7.60	5112.27	1.157	4.85
2.15	5.91	5112.29	1.164	5.13
2.20	4.44	5112.29	1.165	5.14
2.25	3.46	5112.28	1.160	4.97
2.30	2.81	5112.27	1.153	4.70
2.35	2.38	5112.26	1.145	4.39
2.40	2.06	5112.24	1.137	4.08
2.45	1.81	5112.23	1.128	3.76
2.50	1.59	5112.22	1.120	3.46
2.55	1.40	5112.21	1.113	3.18
2.60	1.24	5112.20	1.106	2.92
2.65	1.09	5112.19	1.099	2.72
2.70	.97	5112.18	1.092	2.52
2.75	.86	5112.17	1.086	2.34

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
2.80	.78	5112.16	1.080	2.16
2.85	.70	5112.15	1.075	2.00
2.90	.63	5112.14	1.069	1.84
2.95	.57	5112.13	1.065	1.70
3.00	.52	5112.13	1.060	1.57
3.05	.47	5112.12	1.056	1.44
3.10	.43	5112.11	1.052	1.33
3.15	.39	5112.11	1.049	1.22
3.20	.36	5112.10	1.045	1.12
3.25	.34	5112.10	1.042	1.05

3.30	.31	5112.10	1.039	1.00
3.35	.30	5112.09	1.037	.95
3.40	.28	5112.09	1.034	.91
3.45	.27	5112.09	1.031	.87
3.50	.26	5112.09	1.029	.83
3.55	.25	5112.09	1.027	.79
3.60	.24	5112.09	1.025	.75
3.65	.23	5112.08	1.022	.72
3.70	.23	5112.08	1.021	.69
3.75	.23	5112.08	1.019	.66
3.80	.22	5112.08	1.017	.63
3.85	.21	5112.08	1.015	.60
3.90	.21	5112.08	1.014	.58
3.95	.21	5112.08	1.012	.55
4.00	.21	5112.07	1.011	.53
4.05	.20	5112.07	1.010	.51
4.10	.20	5112.07	1.008	.49
4.15	.20	5112.07	1.007	.47
4.20	.20	5112.07	1.006	.45
4.25	.20	5112.07	1.005	.44
4.30	.20	5112.07	1.004	.42
4.35	.20	5112.07	1.003	.41
4.40	.20	5112.07	1.002	.39
4.45	.20	5112.07	1.002	.38
4.50	.20	5112.07	1.001	.37
4.55	.20	5112.07	1.000	.36
4.60	.20	5112.07	1.000	.35
4.65	.20	5112.07	.999	.34
4.70	.20	5112.06	.999	.33
4.75	.20	5112.06	.998	.32
4.80	.20	5112.06	.998	.31
4.85	.20	5112.06	.997	.30
4.90	.20	5112.06	.997	.30
4.95	.20	5112.06	.996	.29
5.00	.21	5112.06	.996	.29
5.05	.21	5112.06	.996	.28
5.10	.21	5112.06	.995	.28
5.15	.21	5112.06	.995	.27
5.20	.21	5112.06	.995	.27
5.25	.21	5112.06	.995	.26
5.30	.22	5112.06	.995	.26
5.35	.22	5112.06	.994	.26
5.40	.22	5112.06	.994	.25
5.45	.22	5112.06	.994	.25
5.50	.23	5112.06	.994	.25
5.55	.23	5112.06	.994	.25

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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5.60	.23	5112.06	.994	.25
5.65	.23	5112.06	.994	.25

5.70	.23	5112.06	.994	.25
5.75	.24	5112.06	.994	.25
5.80	.24	5112.06	.994	.24
5.85	.24	5112.06	.994	.24
5.90	.24	5112.06	.994	.24
5.95	.25	5112.06	.994	.24
6.00	.25	5112.06	.994	.24
6.05	.25	5112.06	.994	.25
6.10	.26	5112.06	.994	.25
6.15	.27	5112.06	.994	.25
6.20	.28	5112.06	.994	.25
6.25	.29	5112.06	.994	.25
6.30	.29	5112.06	.994	.25
6.35	.29	5112.06	.994	.26
6.40	.30	5112.06	.994	.26
6.45	.30	5112.06	.995	.26
6.50	.30	5112.06	.995	.26
6.55	.29	5112.06	.995	.27
6.60	.29	5112.06	.995	.27
6.65	.29	5112.06	.995	.27
6.70	.29	5112.06	.995	.27
6.75	.29	5112.06	.995	.27
6.80	.29	5112.06	.995	.27
6.85	.29	5112.06	.995	.28
6.90	.29	5112.06	.995	.28
6.95	.29	5112.06	.996	.28
7.00	.29	5112.06	.996	.28
7.05	.29	5112.06	.996	.28
7.10	.29	5112.06	.996	.28
7.15	.29	5112.06	.996	.28
7.20	.29	5112.06	.996	.28
7.25	.29	5112.06	.996	.28
7.30	.28	5112.06	.996	.28
7.35	.28	5112.06	.996	.28
7.40	.28	5112.06	.996	.28
7.45	.28	5112.06	.996	.28
7.50	.28	5112.06	.996	.28
7.55	.28	5112.06	.996	.28
7.60	.28	5112.06	.996	.28
7.65	.28	5112.06	.996	.28
7.70	.28	5112.06	.996	.28
7.75	.28	5112.06	.996	.28
7.80	.28	5112.06	.996	.28
7.85	.27	5112.06	.996	.28
7.90	.27	5112.06	.996	.28
7.95	.27	5112.06	.996	.28
8.00	.27	5112.06	.996	.28
8.05	.27	5112.06	.996	.28
8.10	.27	5112.06	.996	.28
8.15	.27	5112.06	.996	.28
8.20	.27	5112.06	.995	.28
8.25	.27	5112.06	.995	.28

8.30	.27	5112.06	.995	.28
8.35	.27	5112.06	.995	.27
TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
8.40	.27	5112.06	.995	.27
8.45	.27	5112.06	.995	.27
8.50	.27	5112.06	.995	.27
8.55	.26	5112.06	.995	.27
8.60	.26	5112.06	.995	.27
8.65	.26	5112.06	.995	.27
8.70	.26	5112.06	.995	.27
8.75	.26	5112.06	.995	.27
8.80	.26	5112.06	.995	.27
8.85	.26	5112.06	.995	.27
8.90	.26	5112.06	.995	.27
8.95	.26	5112.06	.995	.27
9.00	.26	5112.06	.995	.27
9.05	.26	5112.06	.995	.27
9.10	.26	5112.06	.995	.26
9.15	.25	5112.06	.995	.26
9.20	.25	5112.06	.995	.26
9.25	.25	5112.06	.995	.26
9.30	.25	5112.06	.995	.26
9.35	.25	5112.06	.995	.26
9.40	.25	5112.06	.995	.26
9.45	.25	5112.06	.994	.26
9.50	.25	5112.06	.994	.26
9.55	.25	5112.06	.994	.26
9.60	.25	5112.06	.994	.26
9.65	.25	5112.06	.994	.26
9.70	.25	5112.06	.994	.26
9.75	.24	5112.06	.994	.26
9.80	.24	5112.06	.994	.25
9.85	.24	5112.06	.994	.25
9.90	.24	5112.06	.994	.25
9.95	.24	5112.06	.994	.25
10.00	.24	5112.06	.994	.25
10.05	.24	5112.06	.994	.25
10.10	.24	5112.06	.994	.25
10.15	.24	5112.06	.994	.25
10.20	.24	5112.06	.994	.25
10.25	.24	5112.06	.994	.25
10.30	.24	5112.06	.994	.25
10.35	.24	5112.06	.994	.25
10.40	.24	5112.06	.994	.25
10.45	.24	5112.06	.994	.25
10.50	.24	5112.06	.994	.25
10.55	.24	5112.06	.994	.24
10.60	.23	5112.06	.994	.24
10.65	.23	5112.06	.993	.24

10.70	.23	5112.06	.993	.24
10.75	.23	5112.06	.993	.24
10.80	.23	5112.06	.993	.24
10.85	.23	5112.06	.993	.24
10.90	.23	5112.06	.993	.24
10.95	.23	5112.06	.993	.24
11.00	.23	5112.06	.993	.24
11.05	.23	5112.06	.993	.24
11.10	.23	5112.06	.993	.24
11.15	.23	5112.06	.993	.24

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
11.20	.23	5112.06	.993	.24
11.25	.23	5112.06	.993	.24
11.30	.23	5112.06	.993	.23
11.35	.22	5112.06	.993	.23
11.40	.22	5112.06	.993	.23
11.45	.22	5112.06	.993	.23
11.50	.22	5112.06	.993	.23
11.55	.22	5112.06	.993	.23
11.60	.22	5112.06	.993	.23
11.65	.22	5112.06	.993	.23
11.70	.22	5112.06	.993	.23
11.75	.22	5112.06	.993	.23
11.80	.22	5112.06	.993	.23
11.85	.22	5112.06	.993	.23
11.90	.22	5112.06	.993	.23
11.95	.22	5112.06	.993	.23
12.00	.22	5112.06	.992	.23
12.05	.22	5112.06	.992	.23
12.10	.22	5112.06	.992	.23
12.15	.22	5112.06	.992	.23
12.20	.22	5112.06	.992	.22
12.25	.22	5112.06	.992	.22
12.30	.22	5112.06	.992	.22
12.35	.21	5112.06	.992	.22
12.40	.21	5112.06	.992	.22
12.45	.21	5112.06	.992	.22
12.50	.21	5112.06	.992	.22
12.55	.21	5112.06	.992	.22
12.60	.21	5112.06	.992	.22
12.65	.21	5112.06	.992	.22
12.70	.21	5112.06	.992	.22
12.75	.21	5112.06	.992	.22
12.80	.21	5112.06	.992	.22
12.85	.21	5112.06	.992	.22
12.90	.21	5112.06	.992	.22
12.95	.21	5112.06	.992	.22
13.00	.21	5112.06	.992	.22
13.05	.21	5112.06	.992	.22

13.10	.21	5112.06	.992	.21
13.15	.21	5112.06	.992	.21
13.20	.20	5112.06	.992	.21
13.25	.20	5112.06	.992	.21
13.30	.20	5112.06	.992	.21
13.35	.21	5112.06	.992	.21
13.40	.21	5112.06	.992	.21
13.45	.21	5112.06	.992	.21
13.50	.20	5112.06	.992	.21
13.55	.20	5112.06	.991	.21
13.60	.20	5112.06	.991	.21
13.65	.20	5112.06	.991	.21
13.70	.20	5112.06	.991	.21
13.75	.20	5112.06	.991	.21
13.80	.20	5112.06	.991	.21
13.85	.20	5112.06	.991	.21
13.90	.20	5112.06	.991	.21
13.95	.20	5112.06	.991	.21

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
14.00	.20	5112.06	.991	.21
14.05	.20	5112.06	.991	.21
14.10	.20	5112.06	.991	.20
14.15	.20	5112.06	.991	.20
14.20	.20	5112.06	.991	.20
14.25	.20	5112.06	.991	.20
14.30	.20	5112.06	.991	.20
14.35	.20	5112.06	.991	.20
14.40	.20	5112.06	.991	.20
14.45	.20	5112.06	.991	.20
14.50	.20	5112.06	.991	.20
14.55	.20	5112.06	.991	.20
14.60	.19	5112.06	.991	.20
14.65	.19	5112.06	.991	.20
14.70	.19	5112.06	.991	.20
14.75	.19	5112.06	.991	.20
14.80	.19	5112.06	.991	.20
14.85	.19	5112.06	.991	.20
14.90	.19	5112.06	.991	.20
14.95	.19	5112.06	.991	.20
15.00	.19	5112.06	.991	.20
15.05	.19	5112.06	.991	.20
15.10	.19	5112.06	.991	.20
15.15	.19	5112.06	.991	.20
15.20	.19	5112.06	.991	.20
15.25	.19	5112.06	.991	.20
15.30	.19	5112.06	.991	.19
15.35	.19	5112.06	.990	.19
15.40	.19	5112.06	.990	.19
15.45	.19	5112.06	.990	.19

15.50	.19	5112.06	.990	.19
15.55	.19	5112.06	.990	.19
15.60	.18	5112.06	.990	.19
15.65	.18	5112.06	.990	.19
15.70	.19	5112.06	.990	.19
15.75	.19	5112.06	.990	.19
15.80	.18	5112.06	.990	.19
15.85	.18	5112.06	.990	.19
15.90	.18	5112.06	.990	.19
15.95	.18	5112.06	.990	.19
16.00	.18	5112.06	.990	.19
16.05	.18	5112.06	.990	.19
16.10	.18	5112.06	.990	.19
16.15	.18	5112.06	.990	.19
16.20	.18	5112.06	.990	.19
16.25	.18	5112.06	.990	.19
16.30	.18	5112.06	.990	.19
16.35	.18	5112.06	.990	.19
16.40	.18	5112.06	.990	.19
16.45	.18	5112.06	.990	.19
16.50	.18	5112.06	.990	.19
16.55	.18	5112.06	.990	.18
16.60	.18	5112.06	.990	.18
16.65	.18	5112.06	.990	.18
16.70	.18	5112.06	.990	.18
16.75	.18	5112.06	.990	.18

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
16.80	.18	5112.06	.990	.18
16.85	.18	5112.06	.990	.18
16.90	.18	5112.06	.990	.18
16.95	.18	5112.06	.990	.18
17.00	.18	5112.06	.990	.18
17.05	.18	5112.06	.990	.18
17.10	.17	5112.06	.990	.18
17.15	.18	5112.06	.990	.18
17.20	.18	5112.06	.990	.18
17.25	.18	5112.06	.990	.18
17.30	.17	5112.06	.990	.18
17.35	.17	5112.06	.990	.18
17.40	.17	5112.06	.990	.18
17.45	.17	5112.06	.990	.18
17.50	.17	5112.06	.990	.18
17.55	.17	5112.06	.989	.18
17.60	.17	5112.06	.989	.18
17.65	.17	5112.06	.989	.18
17.70	.17	5112.06	.989	.18
17.75	.17	5112.06	.989	.18
17.80	.17	5112.06	.989	.18
17.85	.17	5112.06	.989	.18

17.90	.17	5112.06	.989	.18
17.95	.17	5112.06	.989	.18
18.00	.17	5112.06	.989	.17
18.05	.17	5112.06	.989	.17
18.10	.17	5112.06	.989	.17
18.15	.17	5112.06	.989	.17
18.20	.17	5112.06	.989	.17
18.25	.17	5112.06	.989	.17
18.30	.17	5112.06	.989	.17
18.35	.17	5112.06	.989	.17
18.40	.17	5112.06	.989	.17
18.45	.17	5112.06	.989	.17
18.50	.17	5112.06	.989	.17
18.55	.17	5112.06	.989	.17
18.60	.17	5112.06	.989	.17
18.65	.17	5112.06	.989	.17
18.70	.17	5112.06	.989	.17
18.75	.16	5112.06	.989	.17
18.80	.16	5112.06	.989	.17
18.85	.16	5112.06	.989	.17
18.90	.16	5112.06	.989	.17
18.95	.16	5112.06	.989	.17
19.00	.16	5112.06	.989	.17
19.05	.16	5112.06	.989	.17
19.10	.16	5112.06	.989	.17
19.15	.16	5112.06	.989	.17
19.20	.16	5112.06	.989	.17
19.25	.16	5112.06	.989	.17
19.30	.16	5112.06	.989	.17
19.35	.16	5112.06	.989	.17
19.40	.16	5112.06	.989	.17
19.45	.16	5112.06	.989	.17
19.50	.16	5112.06	.989	.17
19.55	.16	5112.06	.989	.16

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
19.60	.16	5112.06	.989	.16
19.65	.16	5112.06	.989	.16
19.70	.16	5112.06	.989	.16
19.75	.16	5112.06	.989	.16
19.80	.16	5112.06	.989	.16
19.85	.16	5112.06	.989	.16
19.90	.16	5112.06	.989	.16
19.95	.16	5112.06	.989	.16
20.00	.16	5112.06	.989	.16
20.05	.16	5112.06	.989	.16
20.10	.16	5112.06	.989	.16
20.15	.16	5112.06	.989	.16
20.20	.16	5112.06	.988	.16
20.25	.16	5112.06	.988	.16

20.30	.16	5112.06	.988	.16
20.35	.16	5112.06	.988	.16
20.40	.16	5112.06	.988	.16
20.45	.16	5112.06	.988	.16
20.50	.16	5112.06	.988	.16
20.55	.16	5112.06	.988	.16
20.60	.16	5112.06	.988	.16
20.65	.16	5112.06	.988	.16
20.70	.16	5112.06	.988	.16
20.75	.15	5112.06	.988	.16
20.80	.15	5112.06	.988	.16
20.85	.15	5112.06	.988	.16
20.90	.15	5112.06	.988	.16
20.95	.15	5112.06	.988	.16
21.00	.15	5112.06	.988	.16
21.05	.15	5112.06	.988	.16
21.10	.15	5112.06	.988	.16
21.15	.15	5112.06	.988	.16
21.20	.15	5112.06	.988	.16
21.25	.15	5112.06	.988	.16
21.30	.15	5112.06	.988	.16
21.35	.15	5112.06	.988	.16
21.40	.15	5112.06	.988	.15
21.45	.15	5112.06	.988	.15
21.50	.15	5112.06	.988	.15
21.55	.15	5112.06	.988	.15
21.60	.15	5112.06	.988	.15
21.65	.15	5112.06	.988	.15
21.70	.15	5112.06	.988	.15
21.75	.15	5112.06	.988	.15
21.80	.15	5112.06	.988	.15
21.85	.15	5112.06	.988	.15
21.90	.15	5112.06	.988	.15
21.95	.15	5112.06	.988	.15
22.00	.15	5112.06	.988	.15
22.05	.15	5112.06	.988	.15
22.10	.15	5112.06	.988	.15
22.15	.15	5112.06	.988	.15
22.20	.15	5112.06	.988	.15
22.25	.15	5112.06	.988	.15
22.30	.15	5112.06	.988	.15
22.35	.15	5112.06	.988	.15

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
22.40	.15	5112.06	.988	.15
22.45	.15	5112.06	.988	.15
22.50	.15	5112.06	.988	.15
22.55	.15	5112.06	.988	.15
22.60	.15	5112.06	.988	.15
22.65	.15	5112.06	.988	.15

22.70	.15	5112.06	.988	.15
22.75	.15	5112.06	.988	.15
22.80	.14	5112.06	.988	.15
22.85	.14	5112.06	.988	.15
22.90	.15	5112.06	.988	.15
22.95	.14	5112.06	.988	.15
23.00	.14	5112.06	.988	.15
23.05	.14	5112.06	.988	.15
23.10	.14	5112.06	.988	.15
23.15	.14	5112.06	.988	.15
23.20	.14	5112.06	.988	.15
23.25	.14	5112.06	.988	.15
23.30	.14	5112.06	.988	.15
23.35	.14	5112.06	.988	.15
23.40	.14	5112.06	.988	.15
23.45	.14	5112.06	.988	.15
23.50	.14	5112.06	.987	.14
23.55	.14	5112.06	.987	.14
23.60	.14	5112.06	.987	.14
23.65	.14	5112.06	.987	.14
23.70	.14	5112.06	.987	.14
23.75	.14	5112.06	.987	.14
23.80	.14	5112.06	.987	.14
23.85	.14	5112.06	.987	.14
23.90	.14	5112.06	.987	.14
23.95	.14	5112.06	.987	.14
24.00	.14	5112.06	.987	.14
24.05	.14	5112.06	.987	.14
24.10	.12	5112.06	.987	.14
24.15	.09	5112.06	.987	.14
24.20	.06	5112.06	.987	.13
24.25	.04	5112.06	.987	.13
24.30	.03	5112.06	.986	.12
24.35	.02	5112.05	.986	.12
24.40	.02	5112.05	.985	.11
24.45	.01	5112.05	.985	.10
24.50	.01	5112.05	.985	.10
24.55	.01	5112.05	.984	.09
24.60	.01	5112.05	.984	.09
24.65	.01	5112.05	.984	.08
24.70	.00	5112.05	.983	.08
24.75	.00	5112.05	.983	.07
24.80	.00	5112.05	.983	.07
24.85	.00	5112.05	.982	.06
24.90	.00	5112.05	.982	.06
24.95	.00	5112.05	.982	.05
25.00	.00	5112.05	.982	.05
25.05	.00	5112.05	.982	.05
25.10	.00	5112.05	.981	.04
25.15	.00	5112.05	.981	.04

TIME	INFLOW	ELEV	VOLUME	OUTFLOW
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(HRS)	(CFS)	(FEET)	(AC-FT)	(CFS)
25.20	.00	5112.05	.981	.04
25.25	.00	5112.05	.981	.04
25.30	.00	5112.05	.981	.03
25.35	.00	5112.05	.981	.03
25.40	.00	5112.05	.980	.03
25.45	.00	5112.05	.980	.03
25.50	.00	5112.05	.980	.03
25.55	.00	5112.05	.980	.02
25.60	.00	5112.05	.980	.02
25.65	.00	5112.05	.980	.02
25.70	.00	5112.05	.980	.02
25.75	.00	5112.05	.980	.02
25.80	.00	5112.05	.980	.02
25.85	.00	5112.05	.980	.02
25.90	.00	5112.05	.980	.01
25.95	.00	5112.05	.980	.01
26.00	.00	5112.05	.979	.01
26.05	.00	5112.05	.979	.01
26.10	.00	5112.05	.979	.01
26.15	.00	5112.05	.979	.01
26.20	.00	5112.05	.979	.01
26.25	.00	5112.05	.979	.01
26.30	.00	5112.05	.979	.01
26.35	.00	5112.05	.979	.01
26.40	.00	5112.05	.979	.01
26.45	.00	5112.05	.979	.01
26.50	.00	5112.05	.979	.01
26.55	.00	5112.05	.979	.01
26.60	.00	5112.05	.979	.01
26.65	.00	5112.05	.979	.01
26.70	.00	5112.05	.979	.01
26.75	.00	5112.05	.979	.01
26.80	.00	5112.05	.979	.01
26.85	.00	5112.05	.979	.01
26.90	.00	5112.05	.979	.01
26.95	.00	5112.05	.979	.01
27.00	.00	5112.05	.979	.01
27.05	.00	5112.05	.979	.01
27.10	.00	5112.05	.979	.01
27.15	.00	5112.04	.979	.01
27.20	.00	5112.04	.978	.01
27.25	.00	5112.04	.978	.01
27.30	.00	5112.04	.978	.01
27.35	.00	5112.04	.978	.01
27.40	.00	5112.04	.978	.01
27.45	.00	5112.04	.978	.01
27.50	.00	5112.04	.978	.01
27.55	.00	5112.04	.978	.01
27.60	.00	5112.04	.978	.01
27.65	.00	5112.04	.978	.01

27.70	.00	5112.04	.978	.01
27.75	.00	5112.04	.978	.01
27.80	.00	5112.04	.978	.01
27.85	.00	5112.04	.978	.01
27.90	.00	5112.04	.978	.01
27.95	.00	5112.04	.978	.01

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
28.00	.00	5112.04	.978	.01
28.05	.00	5112.04	.978	.01
28.10	.00	5112.04	.978	.01
28.15	.00	5112.04	.978	.01
28.20	.00	5112.04	.978	.01
28.25	.00	5112.04	.978	.01
28.30	.00	5112.04	.978	.01
28.35	.00	5112.04	.978	.01
28.40	.00	5112.04	.977	.01
28.45	.00	5112.04	.977	.01
28.50	.00	5112.04	.977	.01
28.55	.00	5112.04	.977	.01
28.60	.00	5112.04	.977	.01
28.65	.00	5112.04	.977	.01
28.70	.00	5112.04	.977	.01
28.75	.00	5112.04	.977	.01
28.80	.00	5112.04	.977	.01
28.85	.00	5112.04	.977	.01
28.90	.00	5112.04	.977	.01
28.95	.00	5112.04	.977	.01
29.00	.00	5112.04	.977	.01
29.05	.00	5112.04	.977	.01
29.10	.00	5112.04	.977	.01
29.15	.00	5112.03	.977	.01
29.20	.00	5112.03	.977	.01
29.25	.00	5112.03	.977	.01
29.30	.00	5112.03	.977	.01
29.35	.00	5112.03	.977	.01
29.40	.00	5112.03	.977	.01
29.45	.00	5112.03	.977	.01
29.50	.00	5112.03	.977	.01
29.55	.00	5112.03	.977	.01
29.60	.00	5112.03	.976	.01
29.65	.00	5112.03	.976	.01
29.70	.00	5112.03	.976	.01
29.75	.00	5112.03	.976	.01
29.80	.00	5112.03	.976	.01
29.85	.00	5112.03	.976	.01
29.90	.00	5112.03	.976	.01
29.95	.00	5112.03	.976	.01

PEAK DISCHARGE = 5.139 CFS - PEAK OCCURS AT HOUR 2.20
 MAXIMUM WATER SURFACE ELEVATION = 5112.286

MAXIMUM STORAGE = 1.1645 AC-FT INCREMENTAL TIME= .050000HRS

PRINT HYD ID=20 CODE=0

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	6.000	.2	12.000	.2	18.000	.2	24.000	.1
.050	.0	6.050	.2	12.050	.2	18.050	.2	24.050	.1
.100	.0	6.100	.2	12.100	.2	18.100	.2	24.100	.1
.150	.0	6.150	.2	12.150	.2	18.150	.2	24.150	.1
.200	.0	6.200	.2	12.200	.2	18.200	.2	24.200	.1
.250	.0	6.250	.3	12.250	.2	18.250	.2	24.250	.1
.300	.0	6.300	.3	12.300	.2	18.300	.2	24.300	.1
.350	.0	6.350	.3	12.350	.2	18.350	.2	24.350	.1
.400	.0	6.400	.3	12.400	.2	18.400	.2	24.400	.1
.450	.0	6.450	.3	12.450	.2	18.450	.2	24.450	.1
.500	.0	6.500	.3	12.500	.2	18.500	.2	24.500	.1
.550	.0	6.550	.3	12.550	.2	18.550	.2	24.550	.1
.600	.0	6.600	.3	12.600	.2	18.600	.2	24.600	.1
.650	.0	6.650	.3	12.650	.2	18.650	.2	24.650	.1
.700	.0	6.700	.3	12.700	.2	18.700	.2	24.700	.1
.750	.0	6.750	.3	12.750	.2	18.750	.2	24.750	.1
.800	.0	6.800	.3	12.800	.2	18.800	.2	24.800	.1
.850	.0	6.850	.3	12.850	.2	18.850	.2	24.850	.1
.900	.0	6.900	.3	12.900	.2	18.900	.2	24.900	.1
.950	.0	6.950	.3	12.950	.2	18.950	.2	24.950	.1
1.000	.0	7.000	.3	13.000	.2	19.000	.2	25.000	.1
1.050	.0	7.050	.3	13.050	.2	19.050	.2	25.050	.0
1.100	.0	7.100	.3	13.100	.2	19.100	.2	25.100	.0
1.150	.0	7.150	.3	13.150	.2	19.150	.2	25.150	.0
1.200	.0	7.200	.3	13.200	.2	19.200	.2	25.200	.0
1.250	.0	7.250	.3	13.250	.2	19.250	.2	25.250	.0
1.300	.0	7.300	.3	13.300	.2	19.300	.2	25.300	.0
1.350	.0	7.350	.3	13.350	.2	19.350	.2	25.350	.0
1.400	.0	7.400	.3	13.400	.2	19.400	.2	25.400	.0
1.450	.0	7.450	.3	13.450	.2	19.450	.2	25.450	.0
1.500	.0	7.500	.3	13.500	.2	19.500	.2	25.500	.0
1.550	.0	7.550	.3	13.550	.2	19.550	.2	25.550	.0
1.600	.0	7.600	.3	13.600	.2	19.600	.2	25.600	.0
1.650	.0	7.650	.3	13.650	.2	19.650	.2	25.650	.0
1.700	.0	7.700	.3	13.700	.2	19.700	.2	25.700	.0
1.750	.0	7.750	.3	13.750	.2	19.750	.2	25.750	.0
1.800	.0	7.800	.3	13.800	.2	19.800	.2	25.800	.0
1.850	.4	7.850	.3	13.850	.2	19.850	.2	25.850	.0
1.900	1.2	7.900	.3	13.900	.2	19.900	.2	25.900	.0
1.950	2.4	7.950	.3	13.950	.2	19.950	.2	25.950	.0
2.000	3.4	8.000	.3	14.000	.2	20.000	.2	26.000	.0
2.050	4.3	8.050	.3	14.050	.2	20.050	.2	26.050	.0
2.100	4.9	8.100	.3	14.100	.2	20.100	.2	26.100	.0
2.150	5.1	8.150	.3	14.150	.2	20.150	.2	26.150	.0

2.200	5.1	8.200	.3	14.200	.2	20.200	.2	26.200	.0
2.250	5.0	8.250	.3	14.250	.2	20.250	.2	26.250	.0
2.300	4.7	8.300	.3	14.300	.2	20.300	.2	26.300	.0
2.350	4.4	8.350	.3	14.350	.2	20.350	.2	26.350	.0
2.400	4.1	8.400	.3	14.400	.2	20.400	.2	26.400	.0
2.450	3.8	8.450	.3	14.450	.2	20.450	.2	26.450	.0
2.500	3.5	8.500	.3	14.500	.2	20.500	.2	26.500	.0
2.550	3.2	8.550	.3	14.550	.2	20.550	.2	26.550	.0
2.600	2.9	8.600	.3	14.600	.2	20.600	.2	26.600	.0
2.650	2.7	8.650	.3	14.650	.2	20.650	.2	26.650	.0
2.700	2.5	8.700	.3	14.700	.2	20.700	.2	26.700	.0
2.750	2.3	8.750	.3	14.750	.2	20.750	.2	26.750	.0
2.800	2.2	8.800	.3	14.800	.2	20.800	.2	26.800	.0
2.850	2.0	8.850	.3	14.850	.2	20.850	.2	26.850	.0
2.900	1.8	8.900	.3	14.900	.2	20.900	.2	26.900	.0
2.950	1.7	8.950	.3	14.950	.2	20.950	.2	26.950	.0
3.000	1.6	9.000	.3	15.000	.2	21.000	.2	27.000	.0
3.050	1.4	9.050	.3	15.050	.2	21.050	.2	27.050	.0
3.100	1.3	9.100	.3	15.100	.2	21.100	.2	27.100	.0
3.150	1.2	9.150	.3	15.150	.2	21.150	.2	27.150	.0
3.200	1.1	9.200	.3	15.200	.2	21.200	.2	27.200	.0
3.250	1.0	9.250	.3	15.250	.2	21.250	.2	27.250	.0
3.300	1.0	9.300	.3	15.300	.2	21.300	.2	27.300	.0
3.350	1.0	9.350	.3	15.350	.2	21.350	.2	27.350	.0
3.400	.9	9.400	.3	15.400	.2	21.400	.2	27.400	.0
3.450	.9	9.450	.3	15.450	.2	21.450	.2	27.450	.0
3.500	.8	9.500	.3	15.500	.2	21.500	.2	27.500	.0
3.550	.8	9.550	.3	15.550	.2	21.550	.2	27.550	.0
3.600	.8	9.600	.3	15.600	.2	21.600	.2	27.600	.0
3.650	.7	9.650	.3	15.650	.2	21.650	.2	27.650	.0
3.700	.7	9.700	.3	15.700	.2	21.700	.2	27.700	.0
3.750	.7	9.750	.3	15.750	.2	21.750	.2	27.750	.0
3.800	.6	9.800	.3	15.800	.2	21.800	.2	27.800	.0
3.850	.6	9.850	.3	15.850	.2	21.850	.2	27.850	.0
3.900	.6	9.900	.3	15.900	.2	21.900	.2	27.900	.0
3.950	.6	9.950	.3	15.950	.2	21.950	.2	27.950	.0
4.000	.5	10.000	.3	16.000	.2	22.000	.2	28.000	.0
4.050	.5	10.050	.3	16.050	.2	22.050	.2	28.050	.0
4.100	.5	10.100	.3	16.100	.2	22.100	.2	28.100	.0
4.150	.5	10.150	.3	16.150	.2	22.150	.2	28.150	.0
4.200	.5	10.200	.2	16.200	.2	22.200	.2	28.200	.0
4.250	.4	10.250	.2	16.250	.2	22.250	.2	28.250	.0
4.300	.4	10.300	.2	16.300	.2	22.300	.2	28.300	.0
4.350	.4	10.350	.2	16.350	.2	22.350	.2	28.350	.0
4.400	.4	10.400	.2	16.400	.2	22.400	.2	28.400	.0
4.450	.4	10.450	.2	16.450	.2	22.450	.1	28.450	.0
4.500	.4	10.500	.2	16.500	.2	22.500	.1	28.500	.0
4.550	.4	10.550	.2	16.550	.2	22.550	.1	28.550	.0
4.600	.3	10.600	.2	16.600	.2	22.600	.1	28.600	.0
4.650	.3	10.650	.2	16.650	.2	22.650	.1	28.650	.0
4.700	.3	10.700	.2	16.700	.2	22.700	.1	28.700	.0
4.750	.3	10.750	.2	16.750	.2	22.750	.1	28.750	.0

4.800	.3	10.800	.2	16.800	.2	22.800	.1	28.800	.0
4.850	.3	10.850	.2	16.850	.2	22.850	.1	28.850	.0
4.900	.3	10.900	.2	16.900	.2	22.900	.1	28.900	.0
4.950	.3	10.950	.2	16.950	.2	22.950	.1	28.950	.0
5.000	.3	11.000	.2	17.000	.2	23.000	.1	29.000	.0
5.050	.3	11.050	.2	17.050	.2	23.050	.1	29.050	.0
5.100	.3	11.100	.2	17.100	.2	23.100	.1	29.100	.0
5.150	.3	11.150	.2	17.150	.2	23.150	.1	29.150	.0
5.200	.3	11.200	.2	17.200	.2	23.200	.1	29.200	.0
5.250	.3	11.250	.2	17.250	.2	23.250	.1	29.250	.0
5.300	.3	11.300	.2	17.300	.2	23.300	.1	29.300	.0
5.350	.3	11.350	.2	17.350	.2	23.350	.1	29.350	.0
5.400	.3	11.400	.2	17.400	.2	23.400	.1	29.400	.0
5.450	.3	11.450	.2	17.450	.2	23.450	.1	29.450	.0
5.500	.3	11.500	.2	17.500	.2	23.500	.1	29.500	.0
5.550	.2	11.550	.2	17.550	.2	23.550	.1	29.550	.0
5.600	.2	11.600	.2	17.600	.2	23.600	.1	29.600	.0
5.650	.2	11.650	.2	17.650	.2	23.650	.1	29.650	.0
5.700	.2	11.700	.2	17.700	.2	23.700	.1	29.700	.0
5.750	.2	11.750	.2	17.750	.2	23.750	.1	29.750	.0
5.800	.2	11.800	.2	17.800	.2	23.800	.1	29.800	.0
5.850	.2	11.850	.2	17.850	.2	23.850	.1	29.850	.0
5.900	.2	11.900	.2	17.900	.2	23.900	.1	29.900	.0
5.950	.2	11.950	.2	17.950	.2	23.950	.1	29.950	.0

RUNOFF VOLUME = .92967 INCHES = .7517 ACRE-FEET
PEAK DISCHARGE RATE = 5.14 CFS AT 2.200 HOURS BASIN AREA = .0152 SQ. MI.

*S
*S ROUTING OF POND B FOR SUBSEQUENT 24 HOUR STORM
*S WITH NO INFILTRATION OF FIRST STORM AND DISCAHRGE
*S THROUGH 20 6" X 6" OPENINGS
*S

ROUTE RESERVOIR ID=20 HYD=301 INFLOW ID=13 CODE=1
OUTFLOW STORAGE ELEV
(CFS) (AC-FT) (FT)
0.00 0.0000 5112.06
1.06 0.0749 5112.1
2.98 0.1499 5112.2
5.48 0.2104 5112.3
11.78 0.3746 5112.5
14.48 0.4697 5112.6
21.20 0.9016 5113.0
27.37 1.5961 5113.5

* * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	5112.06	.000	.00
.05	.00	5112.06	.000	.00
.10	.00	5112.06	.000	.00
.15	.00	5112.06	.000	.00
.20	.00	5112.06	.000	.00
.25	.00	5112.06	.000	.00
.30	.00	5112.06	.000	.00
.35	.00	5112.06	.000	.00
.40	.00	5112.06	.000	.00
.45	.00	5112.06	.000	.00
.50	.00	5112.06	.000	.00
.55	.00	5112.06	.000	.00
.60	.00	5112.06	.000	.00
.65	.00	5112.06	.000	.00
.70	.00	5112.06	.000	.00
.75	.00	5112.06	.000	.00
.80	.00	5112.06	.000	.00
.85	.00	5112.06	.000	.00
.90	.00	5112.06	.000	.00
.95	.00	5112.06	.000	.00
1.00	.00	5112.06	.000	.00
1.05	.00	5112.06	.000	.00
1.10	.00	5112.06	.000	.00
1.15	.03	5112.06	.000	.00
1.20	.42	5112.06	.001	.01
1.25	1.90	5112.06	.006	.08
1.30	5.00	5112.07	.019	.27
1.35	10.04	5112.09	.048	.68
1.40	17.34	5112.13	.100	1.70
1.45	26.55	5112.25	.178	4.16
1.50	33.91	5112.38	.278	8.08
1.55	34.71	5112.50	.379	11.89
1.60	30.02	5112.59	.458	14.16
1.65	24.35	5112.64	.510	15.11
1.70	19.95	5112.66	.539	15.55
1.75	16.85	5112.67	.550	15.73
1.80	14.70	5112.67	.550	15.73
1.85	13.14	5112.67	.543	15.62
1.90	11.89	5112.66	.530	15.43
1.95	10.80	5112.64	.514	15.17
2.00	9.83	5112.62	.495	14.87
2.05	8.92	5112.60	.473	14.53
2.10	7.60	5112.58	.448	13.87
2.15	5.91	5112.55	.420	13.08
2.20	4.44	5112.52	.390	12.20
2.25	3.46	5112.48	.358	11.13
2.30	2.81	5112.44	.327	9.96
2.35	2.38	5112.41	.299	8.87

2.40	2.06	5112.38	.273	7.90
2.45	1.81	5112.35	.251	7.02
2.50	1.59	5112.32	.230	6.24
2.55	1.40	5112.30	.212	5.54
2.60	1.24	5112.28	.196	4.88
2.65	1.09	5112.25	.182	4.30
2.70	.97	5112.23	.169	3.78
2.75	.86	5112.21	.158	3.33

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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2.80	.78	5112.20	.149	2.95
2.85	.70	5112.19	.140	2.73
2.90	.63	5112.18	.132	2.52
2.95	.57	5112.17	.124	2.33
3.00	.52	5112.16	.117	2.15
3.05	.47	5112.15	.111	1.98
3.10	.43	5112.14	.105	1.83
3.15	.39	5112.13	.099	1.69
3.20	.36	5112.13	.094	1.56
3.25	.34	5112.12	.090	1.43
3.30	.31	5112.11	.085	1.32
3.35	.30	5112.11	.081	1.22
3.40	.28	5112.10	.078	1.13
3.45	.27	5112.10	.074	1.05
3.50	.26	5112.10	.071	1.01
3.55	.25	5112.10	.068	.96
3.60	.24	5112.09	.065	.92
3.65	.23	5112.09	.062	.88
3.70	.23	5112.09	.060	.85
3.75	.23	5112.09	.057	.81
3.80	.22	5112.09	.055	.78
3.85	.21	5112.09	.053	.75
3.90	.21	5112.09	.051	.72
3.95	.21	5112.09	.049	.69
4.00	.21	5112.08	.047	.66
4.05	.20	5112.08	.045	.63
4.10	.20	5112.08	.043	.61
4.15	.20	5112.08	.041	.59
4.20	.20	5112.08	.040	.56
4.25	.20	5112.08	.038	.54
4.30	.20	5112.08	.037	.52
4.35	.20	5112.08	.036	.51
4.40	.20	5112.08	.034	.49
4.45	.20	5112.08	.033	.47
4.50	.20	5112.08	.032	.46
4.55	.20	5112.08	.031	.44
4.60	.20	5112.08	.030	.43
4.65	.20	5112.08	.029	.41
4.70	.20	5112.08	.028	.40
4.75	.20	5112.07	.028	.39

4.80	.20	5112.07	.027	.38
4.85	.20	5112.07	.026	.37
4.90	.20	5112.07	.025	.36
4.95	.20	5112.07	.025	.35
5.00	.21	5112.07	.024	.34
5.05	.21	5112.07	.024	.34
5.10	.21	5112.07	.023	.33
5.15	.21	5112.07	.023	.32
5.20	.21	5112.07	.022	.32
5.25	.21	5112.07	.022	.31
5.30	.22	5112.07	.021	.30
5.35	.22	5112.07	.021	.30
5.40	.22	5112.07	.021	.29
5.45	.22	5112.07	.021	.29
5.50	.23	5112.07	.020	.29
5.55	.23	5112.07	.020	.28

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
5.60	.23	5112.07	.020	.28
5.65	.23	5112.07	.020	.28
5.70	.23	5112.07	.019	.27
5.75	.24	5112.07	.019	.27
5.80	.24	5112.07	.019	.27
5.85	.24	5112.07	.019	.27
5.90	.24	5112.07	.019	.27
5.95	.25	5112.07	.019	.27
6.00	.25	5112.07	.019	.26
6.05	.25	5112.07	.019	.26
6.10	.26	5112.07	.019	.26
6.15	.27	5112.07	.019	.26
6.20	.28	5112.07	.019	.26
6.25	.29	5112.07	.019	.27
6.30	.29	5112.07	.019	.27
6.35	.29	5112.07	.019	.27
6.40	.30	5112.07	.019	.27
6.45	.30	5112.07	.019	.27
6.50	.30	5112.07	.019	.27
6.55	.29	5112.07	.019	.27
6.60	.29	5112.07	.019	.28
6.65	.29	5112.07	.020	.28
6.70	.29	5112.07	.020	.28
6.75	.29	5112.07	.020	.28
6.80	.29	5112.07	.020	.28
6.85	.29	5112.07	.020	.28
6.90	.29	5112.07	.020	.28
6.95	.29	5112.07	.020	.28
7.00	.29	5112.07	.020	.28
7.05	.29	5112.07	.020	.28
7.10	.29	5112.07	.020	.28
7.15	.29	5112.07	.020	.28

7.20	.29	5112.07	.020	.28
7.25	.29	5112.07	.020	.28
7.30	.28	5112.07	.020	.28
7.35	.28	5112.07	.020	.28
7.40	.28	5112.07	.020	.28
7.45	.28	5112.07	.020	.28
7.50	.28	5112.07	.020	.28
7.55	.28	5112.07	.020	.28
7.60	.28	5112.07	.020	.28
7.65	.28	5112.07	.020	.28
7.70	.28	5112.07	.020	.28
7.75	.28	5112.07	.020	.28
7.80	.28	5112.07	.020	.28
7.85	.27	5112.07	.020	.28
7.90	.27	5112.07	.020	.28
7.95	.27	5112.07	.020	.28
8.00	.27	5112.07	.020	.28
8.05	.27	5112.07	.020	.28
8.10	.27	5112.07	.020	.28
8.15	.27	5112.07	.020	.28
8.20	.27	5112.07	.020	.28
8.25	.27	5112.07	.020	.28
8.30	.27	5112.07	.020	.28
8.35	.27	5112.07	.020	.28

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
8.40	.27	5112.07	.019	.28
8.45	.27	5112.07	.019	.27
8.50	.27	5112.07	.019	.27
8.55	.26	5112.07	.019	.27
8.60	.26	5112.07	.019	.27
8.65	.26	5112.07	.019	.27
8.70	.26	5112.07	.019	.27
8.75	.26	5112.07	.019	.27
8.80	.26	5112.07	.019	.27
8.85	.26	5112.07	.019	.27
8.90	.26	5112.07	.019	.27
8.95	.26	5112.07	.019	.27
9.00	.26	5112.07	.019	.27
9.05	.26	5112.07	.019	.27
9.10	.26	5112.07	.019	.27
9.15	.25	5112.07	.019	.27
9.20	.25	5112.07	.019	.27
9.25	.25	5112.07	.019	.26
9.30	.25	5112.07	.019	.26
9.35	.25	5112.07	.019	.26
9.40	.25	5112.07	.019	.26
9.45	.25	5112.07	.018	.26
9.50	.25	5112.07	.018	.26
9.55	.25	5112.07	.018	.26

9.60	.25	5112.07	.018	.26
9.65	.25	5112.07	.018	.26
9.70	.25	5112.07	.018	.26
9.75	.24	5112.07	.018	.26
9.80	.24	5112.07	.018	.26
9.85	.24	5112.07	.018	.26
9.90	.24	5112.07	.018	.26
9.95	.24	5112.07	.018	.25
10.00	.24	5112.07	.018	.25
10.05	.24	5112.07	.018	.25
10.10	.24	5112.07	.018	.25
10.15	.24	5112.07	.018	.25
10.20	.24	5112.07	.018	.25
10.25	.24	5112.07	.018	.25
10.30	.24	5112.07	.018	.25
10.35	.24	5112.07	.018	.25
10.40	.24	5112.07	.018	.25
10.45	.24	5112.07	.018	.25
10.50	.24	5112.07	.017	.25
10.55	.24	5112.07	.017	.25
10.60	.23	5112.07	.017	.25
10.65	.23	5112.07	.017	.25
10.70	.23	5112.07	.017	.24
10.75	.23	5112.07	.017	.24
10.80	.23	5112.07	.017	.24
10.85	.23	5112.07	.017	.24
10.90	.23	5112.07	.017	.24
10.95	.23	5112.07	.017	.24
11.00	.23	5112.07	.017	.24
11.05	.23	5112.07	.017	.24
11.10	.23	5112.07	.017	.24
11.15	.23	5112.07	.017	.24

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
11.20	.23	5112.07	.017	.24
11.25	.23	5112.07	.017	.24
11.30	.23	5112.07	.017	.24
11.35	.22	5112.07	.017	.24
11.40	.22	5112.07	.017	.24
11.45	.22	5112.07	.017	.23
11.50	.22	5112.07	.017	.23
11.55	.22	5112.07	.016	.23
11.60	.22	5112.07	.016	.23
11.65	.22	5112.07	.016	.23
11.70	.22	5112.07	.016	.23
11.75	.22	5112.07	.016	.23
11.80	.22	5112.07	.016	.23
11.85	.22	5112.07	.016	.23
11.90	.22	5112.07	.016	.23
11.95	.22	5112.07	.016	.23

12.00	.22	5112.07	.016	.23
12.05	.22	5112.07	.016	.23
12.10	.22	5112.07	.016	.23
12.15	.22	5112.07	.016	.23
12.20	.22	5112.07	.016	.23
12.25	.22	5112.07	.016	.23
12.30	.22	5112.07	.016	.22
12.35	.21	5112.07	.016	.22
12.40	.21	5112.07	.016	.22
12.45	.21	5112.07	.016	.22
12.50	.21	5112.07	.016	.22
12.55	.21	5112.07	.016	.22
12.60	.21	5112.07	.016	.22
12.65	.21	5112.07	.016	.22
12.70	.21	5112.07	.016	.22
12.75	.21	5112.07	.016	.22
12.80	.21	5112.07	.015	.22
12.85	.21	5112.07	.015	.22
12.90	.21	5112.07	.015	.22
12.95	.21	5112.07	.015	.22
13.00	.21	5112.07	.015	.22
13.05	.21	5112.07	.015	.22
13.10	.21	5112.07	.015	.22
13.15	.21	5112.07	.015	.22
13.20	.20	5112.07	.015	.22
13.25	.20	5112.07	.015	.21
13.30	.20	5112.07	.015	.21
13.35	.21	5112.07	.015	.21
13.40	.21	5112.07	.015	.21
13.45	.21	5112.07	.015	.21
13.50	.20	5112.07	.015	.21
13.55	.20	5112.07	.015	.21
13.60	.20	5112.07	.015	.21
13.65	.20	5112.07	.015	.21
13.70	.20	5112.07	.015	.21
13.75	.20	5112.07	.015	.21
13.80	.20	5112.07	.015	.21
13.85	.20	5112.07	.015	.21
13.90	.20	5112.07	.015	.21
13.95	.20	5112.07	.015	.21

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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14.00	.20	5112.07	.015	.21
14.05	.20	5112.07	.015	.21
14.10	.20	5112.07	.015	.21
14.15	.20	5112.07	.015	.21
14.20	.20	5112.07	.015	.21
14.25	.20	5112.07	.014	.20
14.30	.20	5112.07	.014	.20
14.35	.20	5112.07	.014	.20

14.40	.20	5112.07	.014	.20
14.45	.20	5112.07	.014	.20
14.50	.20	5112.07	.014	.20
14.55	.20	5112.07	.014	.20
14.60	.19	5112.07	.014	.20
14.65	.19	5112.07	.014	.20
14.70	.19	5112.07	.014	.20
14.75	.19	5112.07	.014	.20
14.80	.19	5112.07	.014	.20
14.85	.19	5112.07	.014	.20
14.90	.19	5112.07	.014	.20
14.95	.19	5112.07	.014	.20
15.00	.19	5112.07	.014	.20
15.05	.19	5112.07	.014	.20
15.10	.19	5112.07	.014	.20
15.15	.19	5112.07	.014	.20
15.20	.19	5112.07	.014	.20
15.25	.19	5112.07	.014	.20
15.30	.19	5112.07	.014	.20
15.35	.19	5112.07	.014	.20
15.40	.19	5112.07	.014	.19
15.45	.19	5112.07	.014	.19
15.50	.19	5112.07	.014	.19
15.55	.19	5112.07	.014	.19
15.60	.18	5112.07	.014	.19
15.65	.18	5112.07	.014	.19
15.70	.19	5112.07	.014	.19
15.75	.19	5112.07	.014	.19
15.80	.18	5112.07	.014	.19
15.85	.18	5112.07	.013	.19
15.90	.18	5112.07	.013	.19
15.95	.18	5112.07	.013	.19
16.00	.18	5112.07	.013	.19
16.05	.18	5112.07	.013	.19
16.10	.18	5112.07	.013	.19
16.15	.18	5112.07	.013	.19
16.20	.18	5112.07	.013	.19
16.25	.18	5112.07	.013	.19
16.30	.18	5112.07	.013	.19
16.35	.18	5112.07	.013	.19
16.40	.18	5112.07	.013	.19
16.45	.18	5112.07	.013	.19
16.50	.18	5112.07	.013	.19
16.55	.18	5112.07	.013	.19
16.60	.18	5112.07	.013	.19
16.65	.18	5112.07	.013	.18
16.70	.18	5112.07	.013	.18
16.75	.18	5112.07	.013	.18

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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16.80	.18	5112.07	.013	.18
16.85	.18	5112.07	.013	.18
16.90	.18	5112.07	.013	.18
16.95	.18	5112.07	.013	.18
17.00	.18	5112.07	.013	.18
17.05	.18	5112.07	.013	.18
17.10	.17	5112.07	.013	.18
17.15	.18	5112.07	.013	.18
17.20	.18	5112.07	.013	.18
17.25	.18	5112.07	.013	.18
17.30	.17	5112.07	.013	.18
17.35	.17	5112.07	.013	.18
17.40	.17	5112.07	.013	.18
17.45	.17	5112.07	.013	.18
17.50	.17	5112.07	.013	.18
17.55	.17	5112.07	.013	.18
17.60	.17	5112.07	.013	.18
17.65	.17	5112.07	.013	.18
17.70	.17	5112.07	.013	.18
17.75	.17	5112.07	.013	.18
17.80	.17	5112.07	.012	.18
17.85	.17	5112.07	.012	.18
17.90	.17	5112.07	.012	.18
17.95	.17	5112.07	.012	.18
18.00	.17	5112.07	.012	.18
18.05	.17	5112.07	.012	.18
18.10	.17	5112.07	.012	.17
18.15	.17	5112.07	.012	.17
18.20	.17	5112.07	.012	.17
18.25	.17	5112.07	.012	.17
18.30	.17	5112.07	.012	.17
18.35	.17	5112.07	.012	.17
18.40	.17	5112.07	.012	.17
18.45	.17	5112.07	.012	.17
18.50	.17	5112.07	.012	.17
18.55	.17	5112.07	.012	.17
18.60	.17	5112.07	.012	.17
18.65	.17	5112.07	.012	.17
18.70	.17	5112.07	.012	.17
18.75	.16	5112.07	.012	.17
18.80	.16	5112.07	.012	.17
18.85	.16	5112.07	.012	.17
18.90	.16	5112.07	.012	.17
18.95	.16	5112.07	.012	.17
19.00	.16	5112.07	.012	.17
19.05	.16	5112.07	.012	.17
19.10	.16	5112.07	.012	.17
19.15	.16	5112.07	.012	.17
19.20	.16	5112.07	.012	.17
19.25	.16	5112.07	.012	.17
19.30	.16	5112.07	.012	.17
19.35	.16	5112.07	.012	.17

19.40	.16	5112.07	.012	.17
19.45	.16	5112.07	.012	.17
19.50	.16	5112.07	.012	.17
19.55	.16	5112.07	.012	.17

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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19.60	.16	5112.07	.012	.17
19.65	.16	5112.07	.012	.17
19.70	.16	5112.07	.012	.16
19.75	.16	5112.07	.012	.16
19.80	.16	5112.07	.012	.16
19.85	.16	5112.07	.012	.16
19.90	.16	5112.07	.012	.16
19.95	.16	5112.07	.012	.16
20.00	.16	5112.07	.012	.16
20.05	.16	5112.07	.012	.16
20.10	.16	5112.07	.011	.16
20.15	.16	5112.07	.011	.16
20.20	.16	5112.07	.011	.16
20.25	.16	5112.07	.011	.16
20.30	.16	5112.07	.011	.16
20.35	.16	5112.07	.011	.16
20.40	.16	5112.07	.011	.16
20.45	.16	5112.07	.011	.16
20.50	.16	5112.07	.011	.16
20.55	.16	5112.07	.011	.16
20.60	.16	5112.07	.011	.16
20.65	.16	5112.07	.011	.16
20.70	.16	5112.07	.011	.16
20.75	.15	5112.07	.011	.16
20.80	.15	5112.07	.011	.16
20.85	.15	5112.07	.011	.16
20.90	.15	5112.07	.011	.16
20.95	.15	5112.07	.011	.16
21.00	.15	5112.07	.011	.16
21.05	.15	5112.07	.011	.16
21.10	.15	5112.07	.011	.16
21.15	.15	5112.07	.011	.16
21.20	.15	5112.07	.011	.16
21.25	.15	5112.07	.011	.16
21.30	.15	5112.07	.011	.16
21.35	.15	5112.07	.011	.16
21.40	.15	5112.07	.011	.16
21.45	.15	5112.07	.011	.16
21.50	.15	5112.07	.011	.16
21.55	.15	5112.07	.011	.15
21.60	.15	5112.07	.011	.15
21.65	.15	5112.07	.011	.15
21.70	.15	5112.07	.011	.15
21.75	.15	5112.07	.011	.15

21.80	.15	5112.07	.011	.15
21.85	.15	5112.07	.011	.15
21.90	.15	5112.07	.011	.15
21.95	.15	5112.07	.011	.15
22.00	.15	5112.07	.011	.15
22.05	.15	5112.07	.011	.15
22.10	.15	5112.07	.011	.15
22.15	.15	5112.07	.011	.15
22.20	.15	5112.07	.011	.15
22.25	.15	5112.07	.011	.15
22.30	.15	5112.07	.011	.15
22.35	.15	5112.07	.011	.15

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
22.40	.15	5112.07	.011	.15
22.45	.15	5112.07	.011	.15
22.50	.15	5112.07	.011	.15
22.55	.15	5112.07	.011	.15
22.60	.15	5112.07	.011	.15
22.65	.15	5112.07	.011	.15
22.70	.15	5112.07	.011	.15
22.75	.15	5112.07	.011	.15
22.80	.14	5112.07	.011	.15
22.85	.14	5112.07	.010	.15
22.90	.15	5112.07	.010	.15
22.95	.14	5112.07	.010	.15
23.00	.14	5112.07	.010	.15
23.05	.14	5112.07	.010	.15
23.10	.14	5112.07	.010	.15
23.15	.14	5112.07	.010	.15
23.20	.14	5112.07	.010	.15
23.25	.14	5112.07	.010	.15
23.30	.14	5112.07	.010	.15
23.35	.14	5112.07	.010	.15
23.40	.14	5112.07	.010	.15
23.45	.14	5112.07	.010	.15
23.50	.14	5112.07	.010	.15
23.55	.14	5112.07	.010	.15
23.60	.14	5112.07	.010	.14
23.65	.14	5112.07	.010	.14
23.70	.14	5112.07	.010	.14
23.75	.14	5112.07	.010	.14
23.80	.14	5112.07	.010	.14
23.85	.14	5112.07	.010	.14
23.90	.14	5112.07	.010	.14
23.95	.14	5112.07	.010	.14
24.00	.14	5112.07	.010	.14
24.05	.14	5112.07	.010	.14
24.10	.12	5112.07	.010	.14
24.15	.09	5112.07	.010	.14

24.20	.06	5112.07	.010	.14
24.25	.04	5112.06	.009	.13
24.30	.03	5112.06	.009	.13
24.35	.02	5112.06	.008	.12
24.40	.02	5112.06	.008	.11
24.45	.01	5112.06	.008	.11
24.50	.01	5112.06	.007	.10
24.55	.01	5112.06	.007	.10
24.60	.01	5112.06	.007	.09
24.65	.01	5112.06	.006	.09
24.70	.00	5112.06	.006	.08
24.75	.00	5112.06	.006	.08
24.80	.00	5112.06	.005	.07
24.85	.00	5112.06	.005	.07
24.90	.00	5112.06	.005	.07
24.95	.00	5112.06	.004	.06
25.00	.00	5112.06	.004	.06
25.05	.00	5112.06	.004	.06
25.10	.00	5112.06	.004	.05
25.15	.00	5112.06	.003	.05

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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25.20	.00	5112.06	.003	.05
25.25	.00	5112.06	.003	.04
25.30	.00	5112.06	.003	.04
25.35	.00	5112.06	.003	.04
25.40	.00	5112.06	.003	.04
25.45	.00	5112.06	.002	.03
25.50	.00	5112.06	.002	.03
25.55	.00	5112.06	.002	.03
25.60	.00	5112.06	.002	.03
25.65	.00	5112.06	.002	.03
25.70	.00	5112.06	.002	.03
25.75	.00	5112.06	.002	.02
25.80	.00	5112.06	.002	.02
25.85	.00	5112.06	.002	.02
25.90	.00	5112.06	.001	.02
25.95	.00	5112.06	.001	.02
26.00	.00	5112.06	.001	.02
26.05	.00	5112.06	.001	.02
26.10	.00	5112.06	.001	.02
26.15	.00	5112.06	.001	.02
26.20	.00	5112.06	.001	.01
26.25	.00	5112.06	.001	.01
26.30	.00	5112.06	.001	.01
26.35	.00	5112.06	.001	.01
26.40	.00	5112.06	.001	.01
26.45	.00	5112.06	.001	.01
26.50	.00	5112.06	.001	.01
26.55	.00	5112.06	.001	.01

26.60	.00	5112.06	.001	.01
26.65	.00	5112.06	.001	.01
26.70	.00	5112.06	.001	.01
26.75	.00	5112.06	.001	.01
26.80	.00	5112.06	.001	.01
26.85	.00	5112.06	.000	.01
26.90	.00	5112.06	.000	.01
26.95	.00	5112.06	.000	.01
27.00	.00	5112.06	.000	.01
27.05	.00	5112.06	.000	.01
27.10	.00	5112.06	.000	.01
27.15	.00	5112.06	.000	.00

PEAK DISCHARGE = 15.731 CFS - PEAK OCCURS AT HOUR 1.80
 MAXIMUM WATER SURFACE ELEVATION = 5112.675
 MAXIMUM STORAGE = .5501 AC-FT INCREMENTAL TIME= .050000HRS

PRINT HYD ID=20 CODE=0

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	5.700	.3	11.400	.2	17.100	.2	22.800	.1
.050	.0	5.750	.3	11.450	.2	17.150	.2	22.850	.1
.100	.0	5.800	.3	11.500	.2	17.200	.2	22.900	.1
.150	.0	5.850	.3	11.550	.2	17.250	.2	22.950	.1
.200	.0	5.900	.3	11.600	.2	17.300	.2	23.000	.1
.250	.0	5.950	.3	11.650	.2	17.350	.2	23.050	.1
.300	.0	6.000	.3	11.700	.2	17.400	.2	23.100	.1
.350	.0	6.050	.3	11.750	.2	17.450	.2	23.150	.1
.400	.0	6.100	.3	11.800	.2	17.500	.2	23.200	.1
.450	.0	6.150	.3	11.850	.2	17.550	.2	23.250	.1
.500	.0	6.200	.3	11.900	.2	17.600	.2	23.300	.1
.550	.0	6.250	.3	11.950	.2	17.650	.2	23.350	.1
.600	.0	6.300	.3	12.000	.2	17.700	.2	23.400	.1
.650	.0	6.350	.3	12.050	.2	17.750	.2	23.450	.1
.700	.0	6.400	.3	12.100	.2	17.800	.2	23.500	.1
.750	.0	6.450	.3	12.150	.2	17.850	.2	23.550	.1
.800	.0	6.500	.3	12.200	.2	17.900	.2	23.600	.1
.850	.0	6.550	.3	12.250	.2	17.950	.2	23.650	.1
.900	.0	6.600	.3	12.300	.2	18.000	.2	23.700	.1
.950	.0	6.650	.3	12.350	.2	18.050	.2	23.750	.1
1.000	.0	6.700	.3	12.400	.2	18.100	.2	23.800	.1
1.050	.0	6.750	.3	12.450	.2	18.150	.2	23.850	.1
1.100	.0	6.800	.3	12.500	.2	18.200	.2	23.900	.1
1.150	.0	6.850	.3	12.550	.2	18.250	.2	23.950	.1
1.200	.0	6.900	.3	12.600	.2	18.300	.2	24.000	.1
1.250	.1	6.950	.3	12.650	.2	18.350	.2	24.050	.1
1.300	.3	7.000	.3	12.700	.2	18.400	.2	24.100	.1
1.350	.7	7.050	.3	12.750	.2	18.450	.2	24.150	.1
1.400	1.7	7.100	.3	12.800	.2	18.500	.2	24.200	.1
1.450	4.2	7.150	.3	12.850	.2	18.550	.2	24.250	.1

1.500	8.1	7.200	.3	12.900	.2	18.600	.2	24.300	.1
1.550	11.9	7.250	.3	12.950	.2	18.650	.2	24.350	.1
1.600	14.2	7.300	.3	13.000	.2	18.700	.2	24.400	.1
1.650	15.1	7.350	.3	13.050	.2	18.750	.2	24.450	.1
1.700	15.6	7.400	.3	13.100	.2	18.800	.2	24.500	.1
1.750	15.7	7.450	.3	13.150	.2	18.850	.2	24.550	.1
1.800	15.7	7.500	.3	13.200	.2	18.900	.2	24.600	.1
1.850	15.6	7.550	.3	13.250	.2	18.950	.2	24.650	.1
1.900	15.4	7.600	.3	13.300	.2	19.000	.2	24.700	.1
1.950	15.2	7.650	.3	13.350	.2	19.050	.2	24.750	.1
2.000	14.9	7.700	.3	13.400	.2	19.100	.2	24.800	.1
2.050	14.5	7.750	.3	13.450	.2	19.150	.2	24.850	.1
2.100	13.9	7.800	.3	13.500	.2	19.200	.2	24.900	.1
2.150	13.1	7.850	.3	13.550	.2	19.250	.2	24.950	.1
2.200	12.2	7.900	.3	13.600	.2	19.300	.2	25.000	.1
2.250	11.1	7.950	.3	13.650	.2	19.350	.2	25.050	.1
2.300	10.0	8.000	.3	13.700	.2	19.400	.2	25.100	.1
2.350	8.9	8.050	.3	13.750	.2	19.450	.2	25.150	.0
2.400	7.9	8.100	.3	13.800	.2	19.500	.2	25.200	.0
2.450	7.0	8.150	.3	13.850	.2	19.550	.2	25.250	.0
2.500	6.2	8.200	.3	13.900	.2	19.600	.2	25.300	.0
2.550	5.5	8.250	.3	13.950	.2	19.650	.2	25.350	.0
2.600	4.9	8.300	.3	14.000	.2	19.700	.2	25.400	.0
2.650	4.3	8.350	.3	14.050	.2	19.750	.2	25.450	.0
2.700	3.8	8.400	.3	14.100	.2	19.800	.2	25.500	.0
2.750	3.3	8.450	.3	14.150	.2	19.850	.2	25.550	.0
2.800	3.0	8.500	.3	14.200	.2	19.900	.2	25.600	.0
2.850	2.7	8.550	.3	14.250	.2	19.950	.2	25.650	.0
2.900	2.5	8.600	.3	14.300	.2	20.000	.2	25.700	.0
2.950	2.3	8.650	.3	14.350	.2	20.050	.2	25.750	.0
3.000	2.2	8.700	.3	14.400	.2	20.100	.2	25.800	.0
3.050	2.0	8.750	.3	14.450	.2	20.150	.2	25.850	.0
3.100	1.8	8.800	.3	14.500	.2	20.200	.2	25.900	.0
3.150	1.7	8.850	.3	14.550	.2	20.250	.2	25.950	.0
3.200	1.6	8.900	.3	14.600	.2	20.300	.2	26.000	.0
3.250	1.4	8.950	.3	14.650	.2	20.350	.2	26.050	.0
3.300	1.3	9.000	.3	14.700	.2	20.400	.2	26.100	.0
3.350	1.2	9.050	.3	14.750	.2	20.450	.2	26.150	.0
3.400	1.1	9.100	.3	14.800	.2	20.500	.2	26.200	.0
3.450	1.0	9.150	.3	14.850	.2	20.550	.2	26.250	.0
3.500	1.0	9.200	.3	14.900	.2	20.600	.2	26.300	.0
3.550	1.0	9.250	.3	14.950	.2	20.650	.2	26.350	.0
3.600	.9	9.300	.3	15.000	.2	20.700	.2	26.400	.0
3.650	.9	9.350	.3	15.050	.2	20.750	.2	26.450	.0
3.700	.8	9.400	.3	15.100	.2	20.800	.2	26.500	.0
3.750	.8	9.450	.3	15.150	.2	20.850	.2	26.550	.0
3.800	.8	9.500	.3	15.200	.2	20.900	.2	26.600	.0
3.850	.7	9.550	.3	15.250	.2	20.950	.2	26.650	.0
3.900	.7	9.600	.3	15.300	.2	21.000	.2	26.700	.0
3.950	.7	9.650	.3	15.350	.2	21.050	.2	26.750	.0
4.000	.7	9.700	.3	15.400	.2	21.100	.2	26.800	.0
4.050	.6	9.750	.3	15.450	.2	21.150	.2	26.850	.0

4.100	.6	9.800	.3	15.500	.2	21.200	.2	26.900	.0
4.150	.6	9.850	.3	15.550	.2	21.250	.2	26.950	.0
4.200	.6	9.900	.3	15.600	.2	21.300	.2	27.000	.0
4.250	.5	9.950	.3	15.650	.2	21.350	.2	27.050	.0
4.300	.5	10.000	.3	15.700	.2	21.400	.2	27.100	.0
4.350	.5	10.050	.3	15.750	.2	21.450	.2	27.150	.0
4.400	.5	10.100	.3	15.800	.2	21.500	.2	27.200	.0
4.450	.5	10.150	.3	15.850	.2	21.550	.2	27.250	.0
4.500	.5	10.200	.3	15.900	.2	21.600	.2	27.300	.0
4.550	.4	10.250	.3	15.950	.2	21.650	.2	27.350	.0
4.600	.4	10.300	.2	16.000	.2	21.700	.2	27.400	.0
4.650	.4	10.350	.2	16.050	.2	21.750	.2	27.450	.0
4.700	.4	10.400	.2	16.100	.2	21.800	.2	27.500	.0
4.750	.4	10.450	.2	16.150	.2	21.850	.2	27.550	.0
4.800	.4	10.500	.2	16.200	.2	21.900	.2	27.600	.0
4.850	.4	10.550	.2	16.250	.2	21.950	.2	27.650	.0
4.900	.4	10.600	.2	16.300	.2	22.000	.2	27.700	.0
4.950	.4	10.650	.2	16.350	.2	22.050	.2	27.750	.0
5.000	.3	10.700	.2	16.400	.2	22.100	.2	27.800	.0
5.050	.3	10.750	.2	16.450	.2	22.150	.2	27.850	.0
5.100	.3	10.800	.2	16.500	.2	22.200	.2	27.900	.0
5.150	.3	10.850	.2	16.550	.2	22.250	.2	27.950	.0
5.200	.3	10.900	.2	16.600	.2	22.300	.2	28.000	.0
5.250	.3	10.950	.2	16.650	.2	22.350	.2	28.050	.0
5.300	.3	11.000	.2	16.700	.2	22.400	.2	28.100	.0
5.350	.3	11.050	.2	16.750	.2	22.450	.2	28.150	.0
5.400	.3	11.100	.2	16.800	.2	22.500	.2	28.200	.0
5.450	.3	11.150	.2	16.850	.2	22.550	.1	28.250	.0
5.500	.3	11.200	.2	16.900	.2	22.600	.1	28.300	.0
5.550	.3	11.250	.2	16.950	.2	22.650	.1	28.350	.0
5.600	.3	11.300	.2	17.000	.2	22.700	.1	28.400	.0
5.650	.3	11.350	.2	17.050	.2	22.750	.1	28.450	.0

RUNOFF VOLUME = 2.13700 INCHES = 1.7278 ACRE-FEET
PEAK DISCHARGE RATE = 15.73 CFS AT 1.800 HOURS BASIN AREA = .0152 SQ. MI.

*S
*S ROUTING OF POND B
*S WITH INFILTRATION AND DISCHARGE
*S THROUGH 20 6" X 6" OPENINGS
*S

ROUTE RESERVOIR	ID=20 HYD=301	INFLOW ID=13	CODE=1
OUTFLOW	STORAGE	ELEV	
(CFS)	(AC-FT)	(FT)	
0.00	0.0000	5106	
0.03	0.0305	5107	
0.05	0.0759	5108	

0.06	0.1386	5109
0.08	0.2209	5110
0.34	0.4453	5111
0.43	0.6828	5111.5
0.53	0.9793	5112
1.63	1.0445	5112.1
3.59	1.1097	5112.2
6.11	1.1530	5112.3
12.52	1.3053	5112.5
15.33	1.4205	5112.6
22.15	1.6505	5113.0
28.73	2.0319	5113.5

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TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	5106.00	.000	.00
.05	.00	5106.00	.000	.00
.10	.00	5106.00	.000	.00
.15	.00	5106.00	.000	.00
.20	.00	5106.00	.000	.00
.25	.00	5106.00	.000	.00
.30	.00	5106.00	.000	.00
.35	.00	5106.00	.000	.00
.40	.00	5106.00	.000	.00
.45	.00	5106.00	.000	.00
.50	.00	5106.00	.000	.00
.55	.00	5106.00	.000	.00
.60	.00	5106.00	.000	.00
.65	.00	5106.00	.000	.00
.70	.00	5106.00	.000	.00
.75	.00	5106.00	.000	.00
.80	.00	5106.00	.000	.00
.85	.00	5106.00	.000	.00
.90	.00	5106.00	.000	.00
.95	.00	5106.00	.000	.00
1.00	.00	5106.00	.000	.00
1.05	.00	5106.00	.000	.00
1.10	.00	5106.00	.000	.00
1.15	.03	5106.00	.000	.00
1.20	.42	5106.03	.001	.00
1.25	1.90	5106.19	.006	.01
1.30	5.00	5106.65	.020	.02
1.35	10.04	5107.45	.051	.04
1.40	17.34	5108.50	.107	.06
1.45	26.55	5109.72	.198	.07
1.50	33.91	5110.45	.322	.20
1.55	34.71	5111.04	.463	.35
1.60	30.02	5111.31	.595	.40

1.65	24.35	5111.54	.706	.44
1.70	19.95	5111.69	.795	.47
1.75	16.85	5111.81	.869	.49
1.80	14.70	5111.92	.932	.51
1.85	13.14	5112.01	.987	.67
1.90	11.89	5112.08	1.035	1.47
1.95	10.80	5112.14	1.073	2.50
2.00	9.83	5112.19	1.104	3.41
2.05	8.92	5112.24	1.126	4.55
2.10	7.60	5112.27	1.140	5.34
2.15	5.91	5112.28	1.145	5.65
2.20	4.44	5112.28	1.143	5.55
2.25	3.46	5112.26	1.137	5.20
2.30	2.81	5112.25	1.130	4.76
2.35	2.38	5112.23	1.122	4.30
2.40	2.06	5112.21	1.114	3.85
2.45	1.81	5112.20	1.107	3.51
2.50	1.59	5112.19	1.100	3.30
2.55	1.40	5112.17	1.093	3.08
2.60	1.24	5112.16	1.086	2.88
2.65	1.09	5112.15	1.079	2.68
2.70	.97	5112.14	1.073	2.49
2.75	.86	5112.13	1.067	2.30

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
2.80	.78	5112.13	1.061	2.13
2.85	.70	5112.12	1.056	1.97
2.90	.63	5112.11	1.051	1.81
2.95	.57	5112.10	1.046	1.67
3.00	.52	5112.10	1.041	1.58
3.05	.47	5112.09	1.037	1.51
3.10	.43	5112.08	1.033	1.43
3.15	.39	5112.08	1.029	1.37
3.20	.36	5112.07	1.025	1.30
3.25	.34	5112.06	1.021	1.23
3.30	.31	5112.06	1.017	1.17
3.35	.30	5112.05	1.014	1.12
3.40	.28	5112.05	1.011	1.06
3.45	.27	5112.04	1.008	1.01
3.50	.26	5112.04	1.005	.96
3.55	.25	5112.03	1.002	.91
3.60	.24	5112.03	.999	.86
3.65	.23	5112.03	.997	.82
3.70	.23	5112.02	.994	.78
3.75	.23	5112.02	.992	.75
3.80	.22	5112.02	.990	.71
3.85	.21	5112.01	.988	.68
3.90	.21	5112.01	.986	.65
3.95	.21	5112.01	.984	.62
4.00	.21	5112.01	.983	.59

4.05	.20	5112.00	.981	.56
4.10	.20	5112.00	.980	.54
4.15	.20	5112.00	.978	.53
4.20	.20	5112.00	.977	.53
4.25	.20	5111.99	.976	.53
4.30	.20	5111.99	.974	.53
4.35	.20	5111.99	.973	.53
4.40	.20	5111.99	.972	.53
4.45	.20	5111.98	.970	.53
4.50	.20	5111.98	.969	.53
4.55	.20	5111.98	.968	.53
4.60	.20	5111.98	.966	.53
4.65	.20	5111.98	.965	.53
4.70	.20	5111.97	.964	.52
4.75	.20	5111.97	.962	.52
4.80	.20	5111.97	.961	.52
4.85	.20	5111.97	.960	.52
4.90	.20	5111.96	.958	.52
4.95	.20	5111.96	.957	.52
5.00	.21	5111.96	.956	.52
5.05	.21	5111.96	.954	.52
5.10	.21	5111.96	.953	.52
5.15	.21	5111.95	.952	.52
5.20	.21	5111.95	.950	.52
5.25	.21	5111.95	.949	.52
5.30	.22	5111.95	.948	.52
5.35	.22	5111.94	.947	.52
5.40	.22	5111.94	.945	.52
5.45	.22	5111.94	.944	.52
5.50	.23	5111.94	.943	.52
5.55	.23	5111.94	.942	.52

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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5.60	.23	5111.93	.941	.52
5.65	.23	5111.93	.939	.52
5.70	.23	5111.93	.938	.52
5.75	.24	5111.93	.937	.52
5.80	.24	5111.93	.936	.52
5.85	.24	5111.92	.935	.51
5.90	.24	5111.92	.934	.51
5.95	.25	5111.92	.932	.51
6.00	.25	5111.92	.931	.51
6.05	.25	5111.92	.930	.51
6.10	.26	5111.92	.929	.51
6.15	.27	5111.91	.928	.51
6.20	.28	5111.91	.927	.51
6.25	.29	5111.91	.926	.51
6.30	.29	5111.91	.925	.51
6.35	.29	5111.91	.925	.51
6.40	.30	5111.91	.924	.51

6.45	.30	5111.90	.923	.51
6.50	.30	5111.90	.922	.51
6.55	.29	5111.90	.921	.51
6.60	.29	5111.90	.920	.51
6.65	.29	5111.90	.919	.51
6.70	.29	5111.90	.918	.51
6.75	.29	5111.90	.917	.51
6.80	.29	5111.89	.917	.51
6.85	.29	5111.89	.916	.51
6.90	.29	5111.89	.915	.51
6.95	.29	5111.89	.914	.51
7.00	.29	5111.89	.913	.51
7.05	.29	5111.89	.912	.51
7.10	.29	5111.89	.911	.51
7.15	.29	5111.88	.910	.51
7.20	.29	5111.88	.909	.51
7.25	.29	5111.88	.908	.51
7.30	.28	5111.88	.907	.51
7.35	.28	5111.88	.907	.51
7.40	.28	5111.88	.906	.51
7.45	.28	5111.87	.905	.50
7.50	.28	5111.87	.904	.50
7.55	.28	5111.87	.903	.50
7.60	.28	5111.87	.902	.50
7.65	.28	5111.87	.901	.50
7.70	.28	5111.87	.900	.50
7.75	.28	5111.86	.899	.50
7.80	.28	5111.86	.898	.50
7.85	.27	5111.86	.897	.50
7.90	.27	5111.86	.896	.50
7.95	.27	5111.86	.895	.50
8.00	.27	5111.86	.894	.50
8.05	.27	5111.86	.893	.50
8.10	.27	5111.85	.893	.50
8.15	.27	5111.85	.892	.50
8.20	.27	5111.85	.891	.50
8.25	.27	5111.85	.890	.50
8.30	.27	5111.85	.889	.50
8.35	.27	5111.85	.888	.50
TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
8.40	.27	5111.84	.887	.50
8.45	.27	5111.84	.886	.50
8.50	.27	5111.84	.885	.50
8.55	.26	5111.84	.884	.50
8.60	.26	5111.84	.883	.50
8.65	.26	5111.84	.882	.50
8.70	.26	5111.83	.881	.50
8.75	.26	5111.83	.880	.50
8.80	.26	5111.83	.879	.50

8.85	.26	5111.83	.878	.50
8.90	.26	5111.83	.877	.50
8.95	.26	5111.83	.876	.50
9.00	.26	5111.82	.875	.49
9.05	.26	5111.82	.874	.49
9.10	.26	5111.82	.873	.49
9.15	.25	5111.82	.872	.49
9.20	.25	5111.82	.871	.49
9.25	.25	5111.82	.870	.49
9.30	.25	5111.81	.869	.49
9.35	.25	5111.81	.868	.49
9.40	.25	5111.81	.867	.49
9.45	.25	5111.81	.866	.49
9.50	.25	5111.81	.865	.49
9.55	.25	5111.81	.864	.49
9.60	.25	5111.80	.863	.49
9.65	.25	5111.80	.862	.49
9.70	.25	5111.80	.861	.49
9.75	.24	5111.80	.860	.49
9.80	.24	5111.80	.859	.49
9.85	.24	5111.80	.858	.49
9.90	.24	5111.79	.857	.49
9.95	.24	5111.79	.856	.49
10.00	.24	5111.79	.855	.49
10.05	.24	5111.79	.854	.49
10.10	.24	5111.79	.853	.49
10.15	.24	5111.79	.852	.49
10.20	.24	5111.78	.851	.49
10.25	.24	5111.78	.850	.49
10.30	.24	5111.78	.849	.49
10.35	.24	5111.78	.848	.49
10.40	.24	5111.78	.847	.49
10.45	.24	5111.77	.846	.48
10.50	.24	5111.77	.845	.48
10.55	.24	5111.77	.844	.48
10.60	.23	5111.77	.843	.48
10.65	.23	5111.77	.842	.48
10.70	.23	5111.77	.841	.48
10.75	.23	5111.76	.840	.48
10.80	.23	5111.76	.839	.48
10.85	.23	5111.76	.838	.48
10.90	.23	5111.76	.837	.48
10.95	.23	5111.76	.835	.48
11.00	.23	5111.76	.834	.48
11.05	.23	5111.75	.833	.48
11.10	.23	5111.75	.832	.48
11.15	.23	5111.75	.831	.48

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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11.20	.23	5111.75	.830	.48
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11.25	.23	5111.75	.829	.48
11.30	.23	5111.75	.828	.48
11.35	.22	5111.74	.827	.48
11.40	.22	5111.74	.826	.48
11.45	.22	5111.74	.825	.48
11.50	.22	5111.74	.824	.48
11.55	.22	5111.74	.823	.48
11.60	.22	5111.73	.822	.48
11.65	.22	5111.73	.821	.48
11.70	.22	5111.73	.820	.48
11.75	.22	5111.73	.819	.48
11.80	.22	5111.73	.818	.48
11.85	.22	5111.73	.817	.48
11.90	.22	5111.72	.816	.47
11.95	.22	5111.72	.815	.47
12.00	.22	5111.72	.813	.47
12.05	.22	5111.72	.812	.47
12.10	.22	5111.72	.811	.47
12.15	.22	5111.71	.810	.47
12.20	.22	5111.71	.809	.47
12.25	.22	5111.71	.808	.47
12.30	.22	5111.71	.807	.47
12.35	.21	5111.71	.806	.47
12.40	.21	5111.71	.805	.47
12.45	.21	5111.70	.804	.47
12.50	.21	5111.70	.803	.47
12.55	.21	5111.70	.802	.47
12.60	.21	5111.70	.801	.47
12.65	.21	5111.70	.800	.47
12.70	.21	5111.70	.799	.47
12.75	.21	5111.69	.798	.47
12.80	.21	5111.69	.796	.47
12.85	.21	5111.69	.795	.47
12.90	.21	5111.69	.794	.47
12.95	.21	5111.69	.793	.47
13.00	.21	5111.68	.792	.47
13.05	.21	5111.68	.791	.47
13.10	.21	5111.68	.790	.47
13.15	.21	5111.68	.789	.47
13.20	.20	5111.68	.788	.47
13.25	.20	5111.68	.787	.47
13.30	.20	5111.67	.786	.46
13.35	.21	5111.67	.785	.46
13.40	.21	5111.67	.784	.46
13.45	.21	5111.67	.783	.46
13.50	.20	5111.67	.781	.46
13.55	.20	5111.66	.780	.46
13.60	.20	5111.66	.779	.46
13.65	.20	5111.66	.778	.46
13.70	.20	5111.66	.777	.46
13.75	.20	5111.66	.776	.46
13.80	.20	5111.66	.775	.46

13.85	.20	5111.65	.774	.46
13.90	.20	5111.65	.773	.46
13.95	.20	5111.65	.772	.46

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
14.00	.20	5111.65	.771	.46
14.05	.20	5111.65	.770	.46
14.10	.20	5111.64	.769	.46
14.15	.20	5111.64	.767	.46
14.20	.20	5111.64	.766	.46
14.25	.20	5111.64	.765	.46
14.30	.20	5111.64	.764	.46
14.35	.20	5111.64	.763	.46
14.40	.20	5111.63	.762	.46
14.45	.20	5111.63	.761	.46
14.50	.20	5111.63	.760	.46
14.55	.20	5111.63	.759	.46
14.60	.19	5111.63	.758	.46
14.65	.19	5111.62	.757	.45
14.70	.19	5111.62	.756	.45
14.75	.19	5111.62	.755	.45
14.80	.19	5111.62	.753	.45
14.85	.19	5111.62	.752	.45
14.90	.19	5111.62	.751	.45
14.95	.19	5111.61	.750	.45
15.00	.19	5111.61	.749	.45
15.05	.19	5111.61	.748	.45
15.10	.19	5111.61	.747	.45
15.15	.19	5111.61	.746	.45
15.20	.19	5111.60	.745	.45
15.25	.19	5111.60	.744	.45
15.30	.19	5111.60	.743	.45
15.35	.19	5111.60	.742	.45
15.40	.19	5111.60	.741	.45
15.45	.19	5111.60	.739	.45
15.50	.19	5111.59	.738	.45
15.55	.19	5111.59	.737	.45
15.60	.18	5111.59	.736	.45
15.65	.18	5111.59	.735	.45
15.70	.19	5111.59	.734	.45
15.75	.19	5111.58	.733	.45
15.80	.18	5111.58	.732	.45
15.85	.18	5111.58	.731	.45
15.90	.18	5111.58	.730	.45
15.95	.18	5111.58	.729	.45
16.00	.18	5111.58	.728	.45
16.05	.18	5111.57	.726	.44
16.10	.18	5111.57	.725	.44
16.15	.18	5111.57	.724	.44
16.20	.18	5111.57	.723	.44

16.25	.18	5111.57	.722	.44
16.30	.18	5111.56	.721	.44
16.35	.18	5111.56	.720	.44
16.40	.18	5111.56	.719	.44
16.45	.18	5111.56	.718	.44
16.50	.18	5111.56	.717	.44
16.55	.18	5111.56	.716	.44
16.60	.18	5111.55	.715	.44
16.65	.18	5111.55	.713	.44
16.70	.18	5111.55	.712	.44
16.75	.18	5111.55	.711	.44

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
16.80	.18	5111.55	.710	.44
16.85	.18	5111.54	.709	.44
16.90	.18	5111.54	.708	.44
16.95	.18	5111.54	.707	.44
17.00	.18	5111.54	.706	.44
17.05	.18	5111.54	.705	.44
17.10	.17	5111.54	.704	.44
17.15	.18	5111.53	.703	.44
17.20	.18	5111.53	.702	.44
17.25	.18	5111.53	.700	.44
17.30	.17	5111.53	.699	.44
17.35	.17	5111.53	.698	.44
17.40	.17	5111.52	.697	.43
17.45	.17	5111.52	.696	.43
17.50	.17	5111.52	.695	.43
17.55	.17	5111.52	.694	.43
17.60	.17	5111.52	.693	.43
17.65	.17	5111.52	.692	.43
17.70	.17	5111.51	.691	.43
17.75	.17	5111.51	.690	.43
17.80	.17	5111.51	.689	.43
17.85	.17	5111.51	.688	.43
17.90	.17	5111.51	.686	.43
17.95	.17	5111.50	.685	.43
18.00	.17	5111.50	.684	.43
18.05	.17	5111.50	.683	.43
18.10	.17	5111.50	.682	.43
18.15	.17	5111.50	.681	.43
18.20	.17	5111.49	.680	.43
18.25	.17	5111.49	.679	.43
18.30	.17	5111.49	.678	.43
18.35	.17	5111.49	.677	.43
18.40	.17	5111.48	.676	.43
18.45	.17	5111.48	.675	.43
18.50	.17	5111.48	.674	.43
18.55	.17	5111.48	.672	.43
18.60	.17	5111.48	.671	.43

18.65	.17	5111.47	.670	.43
18.70	.17	5111.47	.669	.42
18.75	.16	5111.47	.668	.42
18.80	.16	5111.47	.667	.42
18.85	.16	5111.46	.666	.42
18.90	.16	5111.46	.665	.42
18.95	.16	5111.46	.664	.42
19.00	.16	5111.46	.663	.42
19.05	.16	5111.46	.662	.42
19.10	.16	5111.45	.661	.42
19.15	.16	5111.45	.660	.42
19.20	.16	5111.45	.659	.42
19.25	.16	5111.45	.657	.42
19.30	.16	5111.44	.656	.42
19.35	.16	5111.44	.655	.42
19.40	.16	5111.44	.654	.42
19.45	.16	5111.44	.653	.42
19.50	.16	5111.44	.652	.42
19.55	.16	5111.43	.651	.42

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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19.60	.16	5111.43	.650	.42
19.65	.16	5111.43	.649	.42
19.70	.16	5111.43	.648	.42
19.75	.16	5111.42	.647	.42
19.80	.16	5111.42	.646	.42
19.85	.16	5111.42	.645	.42
19.90	.16	5111.42	.644	.42
19.95	.16	5111.42	.643	.41
20.00	.16	5111.41	.642	.41
20.05	.16	5111.41	.640	.41
20.10	.16	5111.41	.639	.41
20.15	.16	5111.41	.638	.41
20.20	.16	5111.40	.637	.41
20.25	.16	5111.40	.636	.41
20.30	.16	5111.40	.635	.41
20.35	.16	5111.40	.634	.41
20.40	.16	5111.40	.633	.41
20.45	.16	5111.39	.632	.41
20.50	.16	5111.39	.631	.41
20.55	.16	5111.39	.630	.41
20.60	.16	5111.39	.629	.41
20.65	.16	5111.38	.628	.41
20.70	.16	5111.38	.627	.41
20.75	.15	5111.38	.626	.41
20.80	.15	5111.38	.625	.41
20.85	.15	5111.38	.624	.41
20.90	.15	5111.37	.623	.41
20.95	.15	5111.37	.622	.41
21.00	.15	5111.37	.620	.41

21.05	.15	5111.37	.619	.41
21.10	.15	5111.36	.618	.41
21.15	.15	5111.36	.617	.41
21.20	.15	5111.36	.616	.40
21.25	.15	5111.36	.615	.40
21.30	.15	5111.36	.614	.40
21.35	.15	5111.35	.613	.40
21.40	.15	5111.35	.612	.40
21.45	.15	5111.35	.611	.40
21.50	.15	5111.35	.610	.40
21.55	.15	5111.34	.609	.40
21.60	.15	5111.34	.608	.40
21.65	.15	5111.34	.607	.40
21.70	.15	5111.34	.606	.40
21.75	.15	5111.34	.605	.40
21.80	.15	5111.33	.604	.40
21.85	.15	5111.33	.603	.40
21.90	.15	5111.33	.602	.40
21.95	.15	5111.33	.601	.40
22.00	.15	5111.33	.600	.40
22.05	.15	5111.32	.599	.40
22.10	.15	5111.32	.598	.40
22.15	.15	5111.32	.597	.40
22.20	.15	5111.32	.596	.40
22.25	.15	5111.31	.595	.40
22.30	.15	5111.31	.594	.40
22.35	.15	5111.31	.592	.40

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
22.40	.15	5111.31	.591	.40
22.45	.15	5111.31	.590	.39
22.50	.15	5111.30	.589	.39
22.55	.15	5111.30	.588	.39
22.60	.15	5111.30	.587	.39
22.65	.15	5111.30	.586	.39
22.70	.15	5111.29	.585	.39
22.75	.15	5111.29	.584	.39
22.80	.14	5111.29	.583	.39
22.85	.14	5111.29	.582	.39
22.90	.15	5111.29	.581	.39
22.95	.14	5111.28	.580	.39
23.00	.14	5111.28	.579	.39
23.05	.14	5111.28	.578	.39
23.10	.14	5111.28	.577	.39
23.15	.14	5111.28	.576	.39
23.20	.14	5111.27	.575	.39
23.25	.14	5111.27	.574	.39
23.30	.14	5111.27	.573	.39
23.35	.14	5111.27	.572	.39
23.40	.14	5111.26	.571	.39

23.45	.14	5111.26	.570	.39
23.50	.14	5111.26	.569	.39
23.55	.14	5111.26	.568	.39
23.60	.14	5111.26	.567	.39
23.65	.14	5111.25	.566	.39
23.70	.14	5111.25	.565	.39
23.75	.14	5111.25	.564	.38
23.80	.14	5111.25	.563	.38
23.85	.14	5111.25	.562	.38
23.90	.14	5111.24	.561	.38
23.95	.14	5111.24	.560	.38
24.00	.14	5111.24	.559	.38
24.05	.14	5111.24	.558	.38
24.10	.12	5111.23	.557	.38
24.15	.09	5111.23	.556	.38
24.20	.06	5111.23	.554	.38
24.25	.04	5111.23	.553	.38
24.30	.03	5111.22	.552	.38
24.35	.02	5111.22	.550	.38
24.40	.02	5111.22	.549	.38
24.45	.01	5111.21	.547	.38
24.50	.01	5111.21	.546	.38
24.55	.01	5111.21	.544	.38
24.60	.01	5111.20	.543	.38
24.65	.01	5111.20	.541	.38
24.70	.00	5111.20	.539	.38
24.75	.00	5111.19	.538	.38
24.80	.00	5111.19	.536	.37
24.85	.00	5111.19	.535	.37
24.90	.00	5111.19	.533	.37
24.95	.00	5111.18	.532	.37
25.00	.00	5111.18	.530	.37
25.05	.00	5111.18	.529	.37
25.10	.00	5111.17	.527	.37
25.15	.00	5111.17	.526	.37

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
25.20	.00	5111.17	.524	.37
25.25	.00	5111.16	.523	.37
25.30	.00	5111.16	.521	.37
25.35	.00	5111.16	.520	.37
25.40	.00	5111.15	.518	.37
25.45	.00	5111.15	.517	.37
25.50	.00	5111.15	.515	.37
25.55	.00	5111.14	.513	.37
25.60	.00	5111.14	.512	.37
25.65	.00	5111.14	.510	.36
25.70	.00	5111.13	.509	.36
25.75	.00	5111.13	.507	.36
25.80	.00	5111.13	.506	.36

25.85	.00	5111.12	.504	.36
25.90	.00	5111.12	.503	.36
25.95	.00	5111.12	.501	.36
26.00	.00	5111.12	.500	.36
26.05	.00	5111.11	.498	.36
26.10	.00	5111.11	.497	.36
26.15	.00	5111.11	.496	.36
26.20	.00	5111.10	.494	.36
26.25	.00	5111.10	.493	.36
26.30	.00	5111.10	.491	.36
26.35	.00	5111.09	.490	.36
26.40	.00	5111.09	.488	.36
26.45	.00	5111.09	.487	.36
26.50	.00	5111.08	.485	.36
26.55	.00	5111.08	.484	.35
26.60	.00	5111.08	.482	.35
26.65	.00	5111.07	.481	.35
26.70	.00	5111.07	.479	.35
26.75	.00	5111.07	.478	.35
26.80	.00	5111.07	.476	.35
26.85	.00	5111.06	.475	.35
26.90	.00	5111.06	.474	.35
26.95	.00	5111.06	.472	.35
27.00	.00	5111.05	.471	.35
27.05	.00	5111.05	.469	.35
27.10	.00	5111.05	.468	.35
27.15	.00	5111.04	.466	.35
27.20	.00	5111.04	.465	.35
27.25	.00	5111.04	.463	.35
27.30	.00	5111.04	.462	.35
27.35	.00	5111.03	.461	.35
27.40	.00	5111.03	.459	.35
27.45	.00	5111.03	.458	.34
27.50	.00	5111.02	.456	.34
27.55	.00	5111.02	.455	.34
27.60	.00	5111.02	.453	.34
27.65	.00	5111.01	.452	.34
27.70	.00	5111.01	.451	.34
27.75	.00	5111.01	.449	.34
27.80	.00	5111.01	.448	.34
27.85	.00	5111.00	.446	.34
27.90	.00	5111.00	.445	.34
27.95	.00	5110.99	.444	.34

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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28.00	.00	5110.99	.442	.34
28.05	.00	5110.98	.441	.33
28.10	.00	5110.97	.439	.33
28.15	.00	5110.97	.438	.33
28.20	.00	5110.96	.437	.33

28.25	.00	5110.96	.435	.33
28.30	.00	5110.95	.434	.33
28.35	.00	5110.94	.433	.33
28.40	.00	5110.94	.431	.32
28.45	.00	5110.93	.430	.32
28.50	.00	5110.93	.429	.32
28.55	.00	5110.92	.427	.32
28.60	.00	5110.91	.426	.32
28.65	.00	5110.91	.425	.32
28.70	.00	5110.90	.423	.31
28.75	.00	5110.90	.422	.31
28.80	.00	5110.89	.421	.31
28.85	.00	5110.89	.419	.31
28.90	.00	5110.88	.418	.31
28.95	.00	5110.87	.417	.31
29.00	.00	5110.87	.416	.31
29.05	.00	5110.86	.414	.30
29.10	.00	5110.86	.413	.30
29.15	.00	5110.85	.412	.30
29.20	.00	5110.85	.411	.30
29.25	.00	5110.84	.409	.30
29.30	.00	5110.83	.408	.30
29.35	.00	5110.83	.407	.30
29.40	.00	5110.82	.406	.29
29.45	.00	5110.82	.405	.29
29.50	.00	5110.81	.403	.29
29.55	.00	5110.81	.402	.29
29.60	.00	5110.80	.401	.29
29.65	.00	5110.80	.400	.29
29.70	.00	5110.79	.399	.29
29.75	.00	5110.79	.397	.28
29.80	.00	5110.78	.396	.28
29.85	.00	5110.78	.395	.28
29.90	.00	5110.77	.394	.28
29.95	.00	5110.77	.393	.28

PEAK DISCHARGE = 5.647 CFS - PEAK OCCURS AT HOUR 2.15
 MAXIMUM WATER SURFACE ELEVATION = 5112.282
 MAXIMUM STORAGE = 1.1451 AC-FT INCREMENTAL TIME= .050000HRS

PRINT HYD ID=20 CODE=0

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	6.000	.5	12.000	.5	18.000	.4	24.000	.4
.050	.0	6.050	.5	12.050	.5	18.050	.4	24.050	.4
.100	.0	6.100	.5	12.100	.5	18.100	.4	24.100	.4
.150	.0	6.150	.5	12.150	.5	18.150	.4	24.150	.4
.200	.0	6.200	.5	12.200	.5	18.200	.4	24.200	.4
.250	.0	6.250	.5	12.250	.5	18.250	.4	24.250	.4
.300	.0	6.300	.5	12.300	.5	18.300	.4	24.300	.4

.350	.0	6.350	.5	12.350	.5	18.350	.4	24.350	.4
.400	.0	6.400	.5	12.400	.5	18.400	.4	24.400	.4
.450	.0	6.450	.5	12.450	.5	18.450	.4	24.450	.4
.500	.0	6.500	.5	12.500	.5	18.500	.4	24.500	.4
.550	.0	6.550	.5	12.550	.5	18.550	.4	24.550	.4
.600	.0	6.600	.5	12.600	.5	18.600	.4	24.600	.4
.650	.0	6.650	.5	12.650	.5	18.650	.4	24.650	.4
.700	.0	6.700	.5	12.700	.5	18.700	.4	24.700	.4
.750	.0	6.750	.5	12.750	.5	18.750	.4	24.750	.4
.800	.0	6.800	.5	12.800	.5	18.800	.4	24.800	.4
.850	.0	6.850	.5	12.850	.5	18.850	.4	24.850	.4
.900	.0	6.900	.5	12.900	.5	18.900	.4	24.900	.4
.950	.0	6.950	.5	12.950	.5	18.950	.4	24.950	.4
1.000	.0	7.000	.5	13.000	.5	19.000	.4	25.000	.4
1.050	.0	7.050	.5	13.050	.5	19.050	.4	25.050	.4
1.100	.0	7.100	.5	13.100	.5	19.100	.4	25.100	.4
1.150	.0	7.150	.5	13.150	.5	19.150	.4	25.150	.4
1.200	.0	7.200	.5	13.200	.5	19.200	.4	25.200	.4
1.250	.0	7.250	.5	13.250	.5	19.250	.4	25.250	.4
1.300	.0	7.300	.5	13.300	.5	19.300	.4	25.300	.4
1.350	.0	7.350	.5	13.350	.5	19.350	.4	25.350	.4
1.400	.1	7.400	.5	13.400	.5	19.400	.4	25.400	.4
1.450	.1	7.450	.5	13.450	.5	19.450	.4	25.450	.4
1.500	.2	7.500	.5	13.500	.5	19.500	.4	25.500	.4
1.550	.3	7.550	.5	13.550	.5	19.550	.4	25.550	.4
1.600	.4	7.600	.5	13.600	.5	19.600	.4	25.600	.4
1.650	.4	7.650	.5	13.650	.5	19.650	.4	25.650	.4
1.700	.5	7.700	.5	13.700	.5	19.700	.4	25.700	.4
1.750	.5	7.750	.5	13.750	.5	19.750	.4	25.750	.4
1.800	.5	7.800	.5	13.800	.5	19.800	.4	25.800	.4
1.850	.7	7.850	.5	13.850	.5	19.850	.4	25.850	.4
1.900	1.5	7.900	.5	13.900	.5	19.900	.4	25.900	.4
1.950	2.5	7.950	.5	13.950	.5	19.950	.4	25.950	.4
2.000	3.4	8.000	.5	14.000	.5	20.000	.4	26.000	.4
2.050	4.5	8.050	.5	14.050	.5	20.050	.4	26.050	.4
2.100	5.3	8.100	.5	14.100	.5	20.100	.4	26.100	.4
2.150	5.6	8.150	.5	14.150	.5	20.150	.4	26.150	.4
2.200	5.5	8.200	.5	14.200	.5	20.200	.4	26.200	.4
2.250	5.2	8.250	.5	14.250	.5	20.250	.4	26.250	.4
2.300	4.8	8.300	.5	14.300	.5	20.300	.4	26.300	.4
2.350	4.3	8.350	.5	14.350	.5	20.350	.4	26.350	.4
2.400	3.8	8.400	.5	14.400	.5	20.400	.4	26.400	.4
2.450	3.5	8.450	.5	14.450	.5	20.450	.4	26.450	.4
2.500	3.3	8.500	.5	14.500	.5	20.500	.4	26.500	.4
2.550	3.1	8.550	.5	14.550	.5	20.550	.4	26.550	.4
2.600	2.9	8.600	.5	14.600	.5	20.600	.4	26.600	.4
2.650	2.7	8.650	.5	14.650	.5	20.650	.4	26.650	.4
2.700	2.5	8.700	.5	14.700	.5	20.700	.4	26.700	.4
2.750	2.3	8.750	.5	14.750	.5	20.750	.4	26.750	.4
2.800	2.1	8.800	.5	14.800	.5	20.800	.4	26.800	.4
2.850	2.0	8.850	.5	14.850	.5	20.850	.4	26.850	.4
2.900	1.8	8.900	.5	14.900	.5	20.900	.4	26.900	.4

2.950	1.7	8.950	.5	14.950	.5	20.950	.4	26.950	.4
3.000	1.6	9.000	.5	15.000	.5	21.000	.4	27.000	.3
3.050	1.5	9.050	.5	15.050	.5	21.050	.4	27.050	.3
3.100	1.4	9.100	.5	15.100	.5	21.100	.4	27.100	.3
3.150	1.4	9.150	.5	15.150	.5	21.150	.4	27.150	.3
3.200	1.3	9.200	.5	15.200	.5	21.200	.4	27.200	.3
3.250	1.2	9.250	.5	15.250	.5	21.250	.4	27.250	.3
3.300	1.2	9.300	.5	15.300	.5	21.300	.4	27.300	.3
3.350	1.1	9.350	.5	15.350	.4	21.350	.4	27.350	.3
3.400	1.1	9.400	.5	15.400	.4	21.400	.4	27.400	.3
3.450	1.0	9.450	.5	15.450	.4	21.450	.4	27.450	.3
3.500	1.0	9.500	.5	15.500	.4	21.500	.4	27.500	.3
3.550	.9	9.550	.5	15.550	.4	21.550	.4	27.550	.3
3.600	.9	9.600	.5	15.600	.4	21.600	.4	27.600	.3
3.650	.8	9.650	.5	15.650	.4	21.650	.4	27.650	.3
3.700	.8	9.700	.5	15.700	.4	21.700	.4	27.700	.3
3.750	.7	9.750	.5	15.750	.4	21.750	.4	27.750	.3
3.800	.7	9.800	.5	15.800	.4	21.800	.4	27.800	.3
3.850	.7	9.850	.5	15.850	.4	21.850	.4	27.850	.3
3.900	.6	9.900	.5	15.900	.4	21.900	.4	27.900	.3
3.950	.6	9.950	.5	15.950	.4	21.950	.4	27.950	.3
4.000	.6	10.000	.5	16.000	.4	22.000	.4	28.000	.3
4.050	.6	10.050	.5	16.050	.4	22.050	.4	28.050	.3
4.100	.5	10.100	.5	16.100	.4	22.100	.4	28.100	.3
4.150	.5	10.150	.5	16.150	.4	22.150	.4	28.150	.3
4.200	.5	10.200	.5	16.200	.4	22.200	.4	28.200	.3
4.250	.5	10.250	.5	16.250	.4	22.250	.4	28.250	.3
4.300	.5	10.300	.5	16.300	.4	22.300	.4	28.300	.3
4.350	.5	10.350	.5	16.350	.4	22.350	.4	28.350	.3
4.400	.5	10.400	.5	16.400	.4	22.400	.4	28.400	.3
4.450	.5	10.450	.5	16.450	.4	22.450	.4	28.450	.3
4.500	.5	10.500	.5	16.500	.4	22.500	.4	28.500	.3
4.550	.5	10.550	.5	16.550	.4	22.550	.4	28.550	.3
4.600	.5	10.600	.5	16.600	.4	22.600	.4	28.600	.3
4.650	.5	10.650	.5	16.650	.4	22.650	.4	28.650	.3
4.700	.5	10.700	.5	16.700	.4	22.700	.4	28.700	.3
4.750	.5	10.750	.5	16.750	.4	22.750	.4	28.750	.3
4.800	.5	10.800	.5	16.800	.4	22.800	.4	28.800	.3
4.850	.5	10.850	.5	16.850	.4	22.850	.4	28.850	.3
4.900	.5	10.900	.5	16.900	.4	22.900	.4	28.900	.3
4.950	.5	10.950	.5	16.950	.4	22.950	.4	28.950	.3
5.000	.5	11.000	.5	17.000	.4	23.000	.4	29.000	.3
5.050	.5	11.050	.5	17.050	.4	23.050	.4	29.050	.3
5.100	.5	11.100	.5	17.100	.4	23.100	.4	29.100	.3
5.150	.5	11.150	.5	17.150	.4	23.150	.4	29.150	.3
5.200	.5	11.200	.5	17.200	.4	23.200	.4	29.200	.3
5.250	.5	11.250	.5	17.250	.4	23.250	.4	29.250	.3
5.300	.5	11.300	.5	17.300	.4	23.300	.4	29.300	.3
5.350	.5	11.350	.5	17.350	.4	23.350	.4	29.350	.3
5.400	.5	11.400	.5	17.400	.4	23.400	.4	29.400	.3
5.450	.5	11.450	.5	17.450	.4	23.450	.4	29.450	.3
5.500	.5	11.500	.5	17.500	.4	23.500	.4	29.500	.3

5.550	.5	11.550	.5	17.550	.4	23.550	.4	29.550	.3
5.600	.5	11.600	.5	17.600	.4	23.600	.4	29.600	.3
5.650	.5	11.650	.5	17.650	.4	23.650	.4	29.650	.3
5.700	.5	11.700	.5	17.700	.4	23.700	.4	29.700	.3
5.750	.5	11.750	.5	17.750	.4	23.750	.4	29.750	.3
5.800	.5	11.800	.5	17.800	.4	23.800	.4	29.800	.3
5.850	.5	11.850	.5	17.850	.4	23.850	.4	29.850	.3
5.900	.5	11.900	.5	17.900	.4	23.900	.4	29.900	.3
5.950	.5	11.950	.5	17.950	.4	23.950	.4	29.950	.3

RUNOFF VOLUME = 1.65199 INCHES = 1.3357 ACRE-FEET
 PEAK DISCHARGE RATE = 5.65 CFS AT 2.150 HOURS BASIN AREA = .0152 SQ. MI.

*S
 *S ROUTING OF POND B FOR SUBSEQUENT 24 HOUR STORM
 *S WITH 24 HOUR INFILTRATION OF FIRST STORM AND DISCHARGE
 *S THROUGH 20 6" X 6" OPENINGS
 *S

ROUTE RESERVOIR	ID=20 HYD=301	INFLOW ID=13	CODE=1
OUTFLOW	STORAGE	ELEV	
(CFS)	(AC-FT)	(FT)	
0.00	0.0000	5111.24	
0.43	0.1146	5111.5	
0.61	0.4006	5112	
1.63	0.4755	5112.1	
3.59	0.5505	5112.2	
4.79	0.6111	5112.3	
12.52	0.7753	5112.5	
17.27	0.8703	5112.6	
22.15	1.3022	5113.0	
28.73	1.9967	5113.5	

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TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	5111.24	.000	.00
.05	.00	5111.24	.000	.00
.10	.00	5111.24	.000	.00
.15	.00	5111.24	.000	.00
.20	.00	5111.24	.000	.00
.25	.00	5111.24	.000	.00
.30	.00	5111.24	.000	.00
.35	.00	5111.24	.000	.00
.40	.00	5111.24	.000	.00

.45	.00	5111.24	.000	.00
.50	.00	5111.24	.000	.00
.55	.00	5111.24	.000	.00
.60	.00	5111.24	.000	.00
.65	.00	5111.24	.000	.00
.70	.00	5111.24	.000	.00
.75	.00	5111.24	.000	.00
.80	.00	5111.24	.000	.00
.85	.00	5111.24	.000	.00
.90	.00	5111.24	.000	.00
.95	.00	5111.24	.000	.00
1.00	.00	5111.24	.000	.00
1.05	.00	5111.24	.000	.00
1.10	.00	5111.24	.000	.00
1.15	.03	5111.24	.000	.00
1.20	.42	5111.24	.001	.00
1.25	1.90	5111.25	.006	.02
1.30	5.00	5111.29	.020	.07
1.35	10.04	5111.35	.050	.19
1.40	17.34	5111.48	.106	.40
1.45	26.55	5111.64	.195	.48
1.50	33.91	5111.85	.317	.56
1.55	34.71	5112.07	.455	1.35
1.60	30.02	5112.24	.578	4.13
1.65	24.35	5112.37	.666	7.38
1.70	19.95	5112.43	.722	10.00
1.75	16.85	5112.47	.753	11.49
1.80	14.70	5112.49	.770	12.25
1.85	13.14	5112.50	.776	12.55
1.90	11.89	5112.50	.776	12.54
1.95	10.80	5112.50	.771	12.33
2.00	9.83	5112.49	.764	11.97
2.05	8.92	5112.47	.754	11.51
2.10	7.60	5112.46	.742	10.93
2.15	5.91	5112.44	.726	10.19
2.20	4.44	5112.42	.707	9.30
2.25	3.46	5112.39	.687	8.36
2.30	2.81	5112.37	.667	7.43
2.35	2.38	5112.35	.649	6.57
2.40	2.06	5112.33	.633	5.80
2.45	1.81	5112.31	.618	5.12
2.50	1.59	5112.29	.605	4.67
2.55	1.40	5112.27	.592	4.42
2.60	1.24	5112.25	.580	4.17
2.65	1.09	5112.23	.568	3.94
2.70	.97	5112.21	.556	3.71
2.75	.86	5112.19	.545	3.46

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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2.80	.78	5112.18	.535	3.19
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2.85	.70	5112.17	.525	2.94
2.90	.63	5112.15	.517	2.70
2.95	.57	5112.14	.508	2.49
3.00	.52	5112.13	.501	2.29
3.05	.47	5112.12	.494	2.11
3.10	.43	5112.12	.487	1.94
3.15	.39	5112.11	.481	1.78
3.20	.36	5112.10	.476	1.64
3.25	.34	5112.09	.471	1.56
3.30	.31	5112.09	.466	1.50
3.35	.30	5112.08	.461	1.43
3.40	.28	5112.07	.456	1.37
3.45	.27	5112.07	.452	1.31
3.50	.26	5112.06	.448	1.25
3.55	.25	5112.06	.444	1.20
3.60	.24	5112.05	.440	1.14
3.65	.23	5112.05	.436	1.09
3.70	.23	5112.04	.433	1.05
3.75	.23	5112.04	.429	1.00
3.80	.22	5112.03	.426	.96
3.85	.21	5112.03	.423	.92
3.90	.21	5112.03	.420	.88
3.95	.21	5112.02	.418	.84
4.00	.21	5112.02	.415	.81
4.05	.20	5112.02	.413	.78
4.10	.20	5112.01	.410	.74
4.15	.20	5112.01	.408	.72
4.20	.20	5112.01	.406	.69
4.25	.20	5112.00	.404	.66
4.30	.20	5112.00	.402	.64
4.35	.20	5112.00	.401	.61
4.40	.20	5112.00	.399	.61
4.45	.20	5111.99	.397	.61
4.50	.20	5111.99	.396	.61
4.55	.20	5111.99	.394	.61
4.60	.20	5111.99	.392	.60
4.65	.20	5111.98	.391	.60
4.70	.20	5111.98	.389	.60
4.75	.20	5111.98	.387	.60
4.80	.20	5111.97	.386	.60
4.85	.20	5111.97	.384	.60
4.90	.20	5111.97	.382	.60
4.95	.20	5111.97	.381	.60
5.00	.21	5111.96	.379	.60
5.05	.21	5111.96	.377	.60
5.10	.21	5111.96	.376	.59
5.15	.21	5111.95	.374	.59
5.20	.21	5111.95	.373	.59
5.25	.21	5111.95	.371	.59
5.30	.22	5111.95	.370	.59
5.35	.22	5111.94	.368	.59
5.40	.22	5111.94	.366	.59

5.45	.22	5111.94	.365	.59
5.50	.23	5111.94	.363	.59
5.55	.23	5111.93	.362	.59

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
5.60	.23	5111.93	.360	.58
5.65	.23	5111.93	.359	.58
5.70	.23	5111.92	.358	.58
5.75	.24	5111.92	.356	.58
5.80	.24	5111.92	.355	.58
5.85	.24	5111.92	.353	.58
5.90	.24	5111.92	.352	.58
5.95	.25	5111.91	.351	.58
6.00	.25	5111.91	.349	.58
6.05	.25	5111.91	.348	.58
6.10	.26	5111.91	.347	.58
6.15	.27	5111.90	.345	.58
6.20	.28	5111.90	.344	.57
6.25	.29	5111.90	.343	.57
6.30	.29	5111.90	.342	.57
6.35	.29	5111.90	.340	.57
6.40	.30	5111.89	.339	.57
6.45	.30	5111.89	.338	.57
6.50	.30	5111.89	.337	.57
6.55	.29	5111.89	.336	.57
6.60	.29	5111.88	.335	.57
6.65	.29	5111.88	.334	.57
6.70	.29	5111.88	.333	.57
6.75	.29	5111.88	.331	.57
6.80	.29	5111.88	.330	.57
6.85	.29	5111.88	.329	.57
6.90	.29	5111.87	.328	.56
6.95	.29	5111.87	.327	.56
7.00	.29	5111.87	.326	.56
7.05	.29	5111.87	.325	.56
7.10	.29	5111.87	.324	.56
7.15	.29	5111.86	.322	.56
7.20	.29	5111.86	.321	.56
7.25	.29	5111.86	.320	.56
7.30	.28	5111.86	.319	.56
7.35	.28	5111.86	.318	.56
7.40	.28	5111.85	.317	.56
7.45	.28	5111.85	.316	.56
7.50	.28	5111.85	.314	.56
7.55	.28	5111.85	.313	.56
7.60	.28	5111.85	.312	.55
7.65	.28	5111.84	.311	.55
7.70	.28	5111.84	.310	.55
7.75	.28	5111.84	.309	.55
7.80	.28	5111.84	.308	.55

7.85	.27	5111.84	.306	.55
7.90	.27	5111.83	.305	.55
7.95	.27	5111.83	.304	.55
8.00	.27	5111.83	.303	.55
8.05	.27	5111.83	.302	.55
8.10	.27	5111.83	.301	.55
8.15	.27	5111.82	.300	.55
8.20	.27	5111.82	.298	.55
8.25	.27	5111.82	.297	.55
8.30	.27	5111.82	.296	.54
8.35	.27	5111.82	.295	.54

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
8.40	.27	5111.81	.294	.54
8.45	.27	5111.81	.293	.54
8.50	.27	5111.81	.292	.54
8.55	.26	5111.81	.290	.54
8.60	.26	5111.81	.289	.54
8.65	.26	5111.80	.288	.54
8.70	.26	5111.80	.287	.54
8.75	.26	5111.80	.286	.54
8.80	.26	5111.80	.285	.54
8.85	.26	5111.80	.284	.54
8.90	.26	5111.79	.282	.54
8.95	.26	5111.79	.281	.53
9.00	.26	5111.79	.280	.53
9.05	.26	5111.79	.279	.53
9.10	.26	5111.79	.278	.53
9.15	.25	5111.78	.277	.53
9.20	.25	5111.78	.276	.53
9.25	.25	5111.78	.274	.53
9.30	.25	5111.78	.273	.53
9.35	.25	5111.78	.272	.53
9.40	.25	5111.77	.271	.53
9.45	.25	5111.77	.270	.53
9.50	.25	5111.77	.269	.53
9.55	.25	5111.77	.267	.53
9.60	.25	5111.77	.266	.53
9.65	.25	5111.76	.265	.52
9.70	.25	5111.76	.264	.52
9.75	.24	5111.76	.263	.52
9.80	.24	5111.76	.262	.52
9.85	.24	5111.76	.261	.52
9.90	.24	5111.75	.259	.52
9.95	.24	5111.75	.258	.52
10.00	.24	5111.75	.257	.52
10.05	.24	5111.75	.256	.52
10.10	.24	5111.75	.255	.52
10.15	.24	5111.74	.254	.52
10.20	.24	5111.74	.253	.52

10.25	.24	5111.74	.251	.52
10.30	.24	5111.74	.250	.52
10.35	.24	5111.74	.249	.51
10.40	.24	5111.73	.248	.51
10.45	.24	5111.73	.247	.51
10.50	.24	5111.73	.246	.51
10.55	.24	5111.73	.245	.51
10.60	.23	5111.73	.243	.51
10.65	.23	5111.72	.242	.51
10.70	.23	5111.72	.241	.51
10.75	.23	5111.72	.240	.51
10.80	.23	5111.72	.239	.51
10.85	.23	5111.72	.238	.51
10.90	.23	5111.71	.237	.51
10.95	.23	5111.71	.235	.51
11.00	.23	5111.71	.234	.51
11.05	.23	5111.71	.233	.50
11.10	.23	5111.71	.232	.50
11.15	.23	5111.70	.231	.50

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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11.20	.23	5111.70	.230	.50
11.25	.23	5111.70	.229	.50
11.30	.23	5111.70	.227	.50
11.35	.22	5111.70	.226	.50
11.40	.22	5111.69	.225	.50
11.45	.22	5111.69	.224	.50
11.50	.22	5111.69	.223	.50
11.55	.22	5111.69	.222	.50
11.60	.22	5111.69	.221	.50
11.65	.22	5111.68	.219	.50
11.70	.22	5111.68	.218	.50
11.75	.22	5111.68	.217	.49
11.80	.22	5111.68	.216	.49
11.85	.22	5111.68	.215	.49
11.90	.22	5111.67	.214	.49
11.95	.22	5111.67	.213	.49
12.00	.22	5111.67	.212	.49
12.05	.22	5111.67	.210	.49
12.10	.22	5111.67	.209	.49
12.15	.22	5111.66	.208	.49
12.20	.22	5111.66	.207	.49
12.25	.22	5111.66	.206	.49
12.30	.22	5111.66	.205	.49
12.35	.21	5111.66	.204	.49
12.40	.21	5111.65	.203	.49
12.45	.21	5111.65	.201	.48
12.50	.21	5111.65	.200	.48
12.55	.21	5111.65	.199	.48
12.60	.21	5111.65	.198	.48

12.65	.21	5111.64	.197	.48
12.70	.21	5111.64	.196	.48
12.75	.21	5111.64	.195	.48
12.80	.21	5111.64	.194	.48
12.85	.21	5111.64	.193	.48
12.90	.21	5111.63	.191	.48
12.95	.21	5111.63	.190	.48
13.00	.21	5111.63	.189	.48
13.05	.21	5111.63	.188	.48
13.10	.21	5111.63	.187	.48
13.15	.21	5111.62	.186	.47
13.20	.20	5111.62	.185	.47
13.25	.20	5111.62	.184	.47
13.30	.20	5111.62	.183	.47
13.35	.21	5111.62	.181	.47
13.40	.21	5111.61	.180	.47
13.45	.21	5111.61	.179	.47
13.50	.20	5111.61	.178	.47
13.55	.20	5111.61	.177	.47
13.60	.20	5111.61	.176	.47
13.65	.20	5111.61	.175	.47
13.70	.20	5111.60	.174	.47
13.75	.20	5111.60	.173	.47
13.80	.20	5111.60	.172	.47
13.85	.20	5111.60	.170	.47
13.90	.20	5111.60	.169	.46
13.95	.20	5111.59	.168	.46

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
14.00	.20	5111.59	.167	.46
14.05	.20	5111.59	.166	.46
14.10	.20	5111.59	.165	.46
14.15	.20	5111.59	.164	.46
14.20	.20	5111.58	.163	.46
14.25	.20	5111.58	.162	.46
14.30	.20	5111.58	.161	.46
14.35	.20	5111.58	.160	.46
14.40	.20	5111.58	.158	.46
14.45	.20	5111.57	.157	.46
14.50	.20	5111.57	.156	.46
14.55	.20	5111.57	.155	.46
14.60	.19	5111.57	.154	.45
14.65	.19	5111.57	.153	.45
14.70	.19	5111.57	.152	.45
14.75	.19	5111.56	.151	.45
14.80	.19	5111.56	.150	.45
14.85	.19	5111.56	.149	.45
14.90	.19	5111.56	.148	.45
14.95	.19	5111.56	.147	.45
15.00	.19	5111.55	.146	.45

15.05	.19	5111.55	.144	.45
15.10	.19	5111.55	.143	.45
15.15	.19	5111.55	.142	.45
15.20	.19	5111.55	.141	.45
15.25	.19	5111.54	.140	.45
15.30	.19	5111.54	.139	.45
15.35	.19	5111.54	.138	.44
15.40	.19	5111.54	.137	.44
15.45	.19	5111.54	.136	.44
15.50	.19	5111.54	.135	.44
15.55	.19	5111.53	.134	.44
15.60	.18	5111.53	.133	.44
15.65	.18	5111.53	.132	.44
15.70	.19	5111.53	.131	.44
15.75	.19	5111.53	.130	.44
15.80	.18	5111.52	.129	.44
15.85	.18	5111.52	.128	.44
15.90	.18	5111.52	.127	.44
15.95	.18	5111.52	.125	.44
16.00	.18	5111.52	.124	.44
16.05	.18	5111.52	.123	.44
16.10	.18	5111.51	.122	.43
16.15	.18	5111.51	.121	.43
16.20	.18	5111.51	.120	.43
16.25	.18	5111.51	.119	.43
16.30	.18	5111.51	.118	.43
16.35	.18	5111.50	.117	.43
16.40	.18	5111.50	.116	.43
16.45	.18	5111.50	.115	.43
16.50	.18	5111.50	.114	.43
16.55	.18	5111.50	.113	.42
16.60	.18	5111.49	.112	.42
16.65	.18	5111.49	.111	.42
16.70	.18	5111.49	.110	.41
16.75	.18	5111.49	.109	.41

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
16.80	.18	5111.49	.108	.41
16.85	.18	5111.48	.107	.40
16.90	.18	5111.48	.106	.40
16.95	.18	5111.48	.105	.40
17.00	.18	5111.48	.104	.39
17.05	.18	5111.48	.104	.39
17.10	.17	5111.47	.103	.39
17.15	.18	5111.47	.102	.38
17.20	.18	5111.47	.101	.38
17.25	.18	5111.47	.100	.38
17.30	.17	5111.47	.099	.37
17.35	.17	5111.46	.099	.37
17.40	.17	5111.46	.098	.37

17.45	.17	5111.46	.097	.36
17.50	.17	5111.46	.096	.36
17.55	.17	5111.46	.095	.36
17.60	.17	5111.45	.095	.35
17.65	.17	5111.45	.094	.35
17.70	.17	5111.45	.093	.35
17.75	.17	5111.45	.092	.35
17.80	.17	5111.45	.092	.34
17.85	.17	5111.45	.091	.34
17.90	.17	5111.44	.090	.34
17.95	.17	5111.44	.090	.34
18.00	.17	5111.44	.089	.33
18.05	.17	5111.44	.088	.33
18.10	.17	5111.44	.088	.33
18.15	.17	5111.44	.087	.33
18.20	.17	5111.44	.086	.32
18.25	.17	5111.43	.086	.32
18.30	.17	5111.43	.085	.32
18.35	.17	5111.43	.084	.32
18.40	.17	5111.43	.084	.31
18.45	.17	5111.43	.083	.31
18.50	.17	5111.43	.083	.31
18.55	.17	5111.43	.082	.31
18.60	.17	5111.42	.081	.31
18.65	.17	5111.42	.081	.30
18.70	.17	5111.42	.080	.30
18.75	.16	5111.42	.080	.30
18.80	.16	5111.42	.079	.30
18.85	.16	5111.42	.079	.29
18.90	.16	5111.42	.078	.29
18.95	.16	5111.42	.078	.29
19.00	.16	5111.42	.077	.29
19.05	.16	5111.41	.077	.29
19.10	.16	5111.41	.076	.29
19.15	.16	5111.41	.076	.28
19.20	.16	5111.41	.075	.28
19.25	.16	5111.41	.075	.28
19.30	.16	5111.41	.074	.28
19.35	.16	5111.41	.074	.28
19.40	.16	5111.41	.073	.27
19.45	.16	5111.40	.073	.27
19.50	.16	5111.40	.072	.27
19.55	.16	5111.40	.072	.27

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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19.60	.16	5111.40	.071	.27
19.65	.16	5111.40	.071	.27
19.70	.16	5111.40	.070	.26
19.75	.16	5111.40	.070	.26
19.80	.16	5111.40	.070	.26

19.85	.16	5111.40	.069	.26
19.90	.16	5111.40	.069	.26
19.95	.16	5111.40	.068	.26
20.00	.16	5111.39	.068	.25
20.05	.16	5111.39	.068	.25
20.10	.16	5111.39	.067	.25
20.15	.16	5111.39	.067	.25
20.20	.16	5111.39	.066	.25
20.25	.16	5111.39	.066	.25
20.30	.16	5111.39	.066	.25
20.35	.16	5111.39	.065	.24
20.40	.16	5111.39	.065	.24
20.45	.16	5111.39	.065	.24
20.50	.16	5111.39	.064	.24
20.55	.16	5111.38	.064	.24
20.60	.16	5111.38	.063	.24
20.65	.16	5111.38	.063	.24
20.70	.16	5111.38	.063	.24
20.75	.15	5111.38	.062	.23
20.80	.15	5111.38	.062	.23
20.85	.15	5111.38	.062	.23
20.90	.15	5111.38	.061	.23
20.95	.15	5111.38	.061	.23
21.00	.15	5111.38	.061	.23
21.05	.15	5111.38	.061	.23
21.10	.15	5111.38	.060	.23
21.15	.15	5111.38	.060	.22
21.20	.15	5111.38	.060	.22
21.25	.15	5111.38	.059	.22
21.30	.15	5111.37	.059	.22
21.35	.15	5111.37	.059	.22
21.40	.15	5111.37	.058	.22
21.45	.15	5111.37	.058	.22
21.50	.15	5111.37	.058	.22
21.55	.15	5111.37	.058	.22
21.60	.15	5111.37	.057	.22
21.65	.15	5111.37	.057	.21
21.70	.15	5111.37	.057	.21
21.75	.15	5111.37	.057	.21
21.80	.15	5111.37	.056	.21
21.85	.15	5111.37	.056	.21
21.90	.15	5111.37	.056	.21
21.95	.15	5111.37	.056	.21
22.00	.15	5111.37	.055	.21
22.05	.15	5111.37	.055	.21
22.10	.15	5111.36	.055	.21
22.15	.15	5111.36	.055	.20
22.20	.15	5111.36	.054	.20
22.25	.15	5111.36	.054	.20
22.30	.15	5111.36	.054	.20
22.35	.15	5111.36	.054	.20

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
22.40	.15	5111.36	.053	.20
22.45	.15	5111.36	.053	.20
22.50	.15	5111.36	.053	.20
22.55	.15	5111.36	.053	.20
22.60	.15	5111.36	.053	.20
22.65	.15	5111.36	.052	.20
22.70	.15	5111.36	.052	.20
22.75	.15	5111.36	.052	.20
22.80	.14	5111.36	.052	.19
22.85	.14	5111.36	.052	.19
22.90	.15	5111.36	.051	.19
22.95	.14	5111.36	.051	.19
23.00	.14	5111.36	.051	.19
23.05	.14	5111.36	.051	.19
23.10	.14	5111.35	.051	.19
23.15	.14	5111.35	.050	.19
23.20	.14	5111.35	.050	.19
23.25	.14	5111.35	.050	.19
23.30	.14	5111.35	.050	.19
23.35	.14	5111.35	.050	.19
23.40	.14	5111.35	.049	.19
23.45	.14	5111.35	.049	.18
23.50	.14	5111.35	.049	.18
23.55	.14	5111.35	.049	.18
23.60	.14	5111.35	.049	.18
23.65	.14	5111.35	.049	.18
23.70	.14	5111.35	.048	.18
23.75	.14	5111.35	.048	.18
23.80	.14	5111.35	.048	.18
23.85	.14	5111.35	.048	.18
23.90	.14	5111.35	.048	.18
23.95	.14	5111.35	.048	.18
24.00	.14	5111.35	.047	.18
24.05	.14	5111.35	.047	.18
24.10	.12	5111.35	.047	.18
24.15	.09	5111.35	.047	.18
24.20	.06	5111.35	.046	.17
24.25	.04	5111.34	.046	.17
24.30	.03	5111.34	.045	.17
24.35	.02	5111.34	.045	.17
24.40	.02	5111.34	.044	.17
24.45	.01	5111.34	.043	.16
24.50	.01	5111.34	.043	.16
24.55	.01	5111.34	.042	.16
24.60	.01	5111.33	.042	.16
24.65	.01	5111.33	.041	.15
24.70	.00	5111.33	.040	.15
24.75	.00	5111.33	.040	.15
24.80	.00	5111.33	.039	.15

24.85	.00	5111.33	.039	.14
24.90	.00	5111.33	.038	.14
24.95	.00	5111.32	.037	.14
25.00	.00	5111.32	.037	.14
25.05	.00	5111.32	.036	.14
25.10	.00	5111.32	.036	.13
25.15	.00	5111.32	.035	.13

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
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25.20	.00	5111.32	.035	.13
25.25	.00	5111.32	.034	.13
25.30	.00	5111.32	.034	.13
25.35	.00	5111.31	.033	.12
25.40	.00	5111.31	.033	.12
25.45	.00	5111.31	.032	.12
25.50	.00	5111.31	.032	.12
25.55	.00	5111.31	.031	.12
25.60	.00	5111.31	.031	.11
25.65	.00	5111.31	.030	.11
25.70	.00	5111.31	.030	.11
25.75	.00	5111.31	.029	.11
25.80	.00	5111.31	.029	.11
25.85	.00	5111.30	.028	.11
25.90	.00	5111.30	.028	.10
25.95	.00	5111.30	.027	.10
26.00	.00	5111.30	.027	.10
26.05	.00	5111.30	.027	.10
26.10	.00	5111.30	.026	.10
26.15	.00	5111.30	.026	.10
26.20	.00	5111.30	.025	.10
26.25	.00	5111.30	.025	.09
26.30	.00	5111.30	.025	.09
26.35	.00	5111.29	.024	.09
26.40	.00	5111.29	.024	.09
26.45	.00	5111.29	.023	.09
26.50	.00	5111.29	.023	.09
26.55	.00	5111.29	.023	.09
26.60	.00	5111.29	.022	.08
26.65	.00	5111.29	.022	.08
26.70	.00	5111.29	.022	.08
26.75	.00	5111.29	.021	.08
26.80	.00	5111.29	.021	.08
26.85	.00	5111.29	.021	.08
26.90	.00	5111.29	.020	.08
26.95	.00	5111.29	.020	.08
27.00	.00	5111.29	.020	.07
27.05	.00	5111.28	.019	.07
27.10	.00	5111.28	.019	.07
27.15	.00	5111.28	.019	.07
27.20	.00	5111.28	.019	.07

27.25	.00	5111.28	.018	.07
27.30	.00	5111.28	.018	.07
27.35	.00	5111.28	.018	.07
27.40	.00	5111.28	.017	.07
27.45	.00	5111.28	.017	.06
27.50	.00	5111.28	.017	.06
27.55	.00	5111.28	.017	.06
27.60	.00	5111.28	.016	.06
27.65	.00	5111.28	.016	.06
27.70	.00	5111.28	.016	.06
27.75	.00	5111.28	.016	.06
27.80	.00	5111.28	.015	.06
27.85	.00	5111.27	.015	.06
27.90	.00	5111.27	.015	.06
27.95	.00	5111.27	.015	.06

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
28.00	.00	5111.27	.015	.05
28.05	.00	5111.27	.014	.05
28.10	.00	5111.27	.014	.05
28.15	.00	5111.27	.014	.05
28.20	.00	5111.27	.014	.05
28.25	.00	5111.27	.013	.05
28.30	.00	5111.27	.013	.05
28.35	.00	5111.27	.013	.05
28.40	.00	5111.27	.013	.05
28.45	.00	5111.27	.013	.05
28.50	.00	5111.27	.012	.05
28.55	.00	5111.27	.012	.05
28.60	.00	5111.27	.012	.05
28.65	.00	5111.27	.012	.04
28.70	.00	5111.27	.012	.04
28.75	.00	5111.27	.012	.04
28.80	.00	5111.27	.011	.04
28.85	.00	5111.27	.011	.04
28.90	.00	5111.27	.011	.04
28.95	.00	5111.26	.011	.04
29.00	.00	5111.26	.011	.04
29.05	.00	5111.26	.010	.04
29.10	.00	5111.26	.010	.04
29.15	.00	5111.26	.010	.04
29.20	.00	5111.26	.010	.04
29.25	.00	5111.26	.010	.04
29.30	.00	5111.26	.010	.04
29.35	.00	5111.26	.010	.04
29.40	.00	5111.26	.009	.04
29.45	.00	5111.26	.009	.03
29.50	.00	5111.26	.009	.03
29.55	.00	5111.26	.009	.03
29.60	.00	5111.26	.009	.03

29.65	.00	5111.26	.009	.03
29.70	.00	5111.26	.009	.03
29.75	.00	5111.26	.008	.03
29.80	.00	5111.26	.008	.03
29.85	.00	5111.26	.008	.03
29.90	.00	5111.26	.008	.03
29.95	.00	5111.26	.008	.03

PEAK DISCHARGE = 12.547 CFS - PEAK OCCURS AT HOUR 1.85
 MAXIMUM WATER SURFACE ELEVATION = 5112.500
 MAXIMUM STORAGE = .7758 AC-FT INCREMENTAL TIME= .050000HRS

PRINT HYD ID=20 CODE=0

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	6.000	.6	12.000	.5	18.000	.3	24.000	.2
.050	.0	6.050	.6	12.050	.5	18.050	.3	24.050	.2
.100	.0	6.100	.6	12.100	.5	18.100	.3	24.100	.2
.150	.0	6.150	.6	12.150	.5	18.150	.3	24.150	.2
.200	.0	6.200	.6	12.200	.5	18.200	.3	24.200	.2
.250	.0	6.250	.6	12.250	.5	18.250	.3	24.250	.2
.300	.0	6.300	.6	12.300	.5	18.300	.3	24.300	.2
.350	.0	6.350	.6	12.350	.5	18.350	.3	24.350	.2
.400	.0	6.400	.6	12.400	.5	18.400	.3	24.400	.2
.450	.0	6.450	.6	12.450	.5	18.450	.3	24.450	.2
.500	.0	6.500	.6	12.500	.5	18.500	.3	24.500	.2
.550	.0	6.550	.6	12.550	.5	18.550	.3	24.550	.2
.600	.0	6.600	.6	12.600	.5	18.600	.3	24.600	.2
.650	.0	6.650	.6	12.650	.5	18.650	.3	24.650	.2
.700	.0	6.700	.6	12.700	.5	18.700	.3	24.700	.2
.750	.0	6.750	.6	12.750	.5	18.750	.3	24.750	.1
.800	.0	6.800	.6	12.800	.5	18.800	.3	24.800	.1
.850	.0	6.850	.6	12.850	.5	18.850	.3	24.850	.1
.900	.0	6.900	.6	12.900	.5	18.900	.3	24.900	.1
.950	.0	6.950	.6	12.950	.5	18.950	.3	24.950	.1
1.000	.0	7.000	.6	13.000	.5	19.000	.3	25.000	.1
1.050	.0	7.050	.6	13.050	.5	19.050	.3	25.050	.1
1.100	.0	7.100	.6	13.100	.5	19.100	.3	25.100	.1
1.150	.0	7.150	.6	13.150	.5	19.150	.3	25.150	.1
1.200	.0	7.200	.6	13.200	.5	19.200	.3	25.200	.1
1.250	.0	7.250	.6	13.250	.5	19.250	.3	25.250	.1
1.300	.1	7.300	.6	13.300	.5	19.300	.3	25.300	.1
1.350	.2	7.350	.6	13.350	.5	19.350	.3	25.350	.1
1.400	.4	7.400	.6	13.400	.5	19.400	.3	25.400	.1
1.450	.5	7.450	.6	13.450	.5	19.450	.3	25.450	.1
1.500	.6	7.500	.6	13.500	.5	19.500	.3	25.500	.1
1.550	1.4	7.550	.6	13.550	.5	19.550	.3	25.550	.1
1.600	4.1	7.600	.6	13.600	.5	19.600	.3	25.600	.1
1.650	7.4	7.650	.6	13.650	.5	19.650	.3	25.650	.1
1.700	10.0	7.700	.6	13.700	.5	19.700	.3	25.700	.1

1.750	11.5	7.750	.6	13.750	.5	19.750	.3	25.750	.1
1.800	12.2	7.800	.6	13.800	.5	19.800	.3	25.800	.1
1.850	12.5	7.850	.6	13.850	.5	19.850	.3	25.850	.1
1.900	12.5	7.900	.6	13.900	.5	19.900	.3	25.900	.1
1.950	12.3	7.950	.5	13.950	.5	19.950	.3	25.950	.1
2.000	12.0	8.000	.5	14.000	.5	20.000	.3	26.000	.1
2.050	11.5	8.050	.5	14.050	.5	20.050	.3	26.050	.1
2.100	10.9	8.100	.5	14.100	.5	20.100	.3	26.100	.1
2.150	10.2	8.150	.5	14.150	.5	20.150	.3	26.150	.1
2.200	9.3	8.200	.5	14.200	.5	20.200	.2	26.200	.1
2.250	8.4	8.250	.5	14.250	.5	20.250	.2	26.250	.1
2.300	7.4	8.300	.5	14.300	.5	20.300	.2	26.300	.1
2.350	6.6	8.350	.5	14.350	.5	20.350	.2	26.350	.1
2.400	5.8	8.400	.5	14.400	.5	20.400	.2	26.400	.1
2.450	5.1	8.450	.5	14.450	.5	20.450	.2	26.450	.1
2.500	4.7	8.500	.5	14.500	.5	20.500	.2	26.500	.1
2.550	4.4	8.550	.5	14.550	.5	20.550	.2	26.550	.1
2.600	4.2	8.600	.5	14.600	.5	20.600	.2	26.600	.1
2.650	3.9	8.650	.5	14.650	.5	20.650	.2	26.650	.1
2.700	3.7	8.700	.5	14.700	.5	20.700	.2	26.700	.1
2.750	3.5	8.750	.5	14.750	.5	20.750	.2	26.750	.1
2.800	3.2	8.800	.5	14.800	.5	20.800	.2	26.800	.1
2.850	2.9	8.850	.5	14.850	.5	20.850	.2	26.850	.1
2.900	2.7	8.900	.5	14.900	.5	20.900	.2	26.900	.1
2.950	2.5	8.950	.5	14.950	.5	20.950	.2	26.950	.1
3.000	2.3	9.000	.5	15.000	.4	21.000	.2	27.000	.1
3.050	2.1	9.050	.5	15.050	.4	21.050	.2	27.050	.1
3.100	1.9	9.100	.5	15.100	.4	21.100	.2	27.100	.1
3.150	1.8	9.150	.5	15.150	.4	21.150	.2	27.150	.1
3.200	1.6	9.200	.5	15.200	.4	21.200	.2	27.200	.1
3.250	1.6	9.250	.5	15.250	.4	21.250	.2	27.250	.1
3.300	1.5	9.300	.5	15.300	.4	21.300	.2	27.300	.1
3.350	1.4	9.350	.5	15.350	.4	21.350	.2	27.350	.1
3.400	1.4	9.400	.5	15.400	.4	21.400	.2	27.400	.1
3.450	1.3	9.450	.5	15.450	.4	21.450	.2	27.450	.1
3.500	1.3	9.500	.5	15.500	.4	21.500	.2	27.500	.1
3.550	1.2	9.550	.5	15.550	.4	21.550	.2	27.550	.1
3.600	1.1	9.600	.5	15.600	.4	21.600	.2	27.600	.1
3.650	1.1	9.650	.5	15.650	.4	21.650	.2	27.650	.1
3.700	1.0	9.700	.5	15.700	.4	21.700	.2	27.700	.1
3.750	1.0	9.750	.5	15.750	.4	21.750	.2	27.750	.1
3.800	1.0	9.800	.5	15.800	.4	21.800	.2	27.800	.1
3.850	.9	9.850	.5	15.850	.4	21.850	.2	27.850	.1
3.900	.9	9.900	.5	15.900	.4	21.900	.2	27.900	.1
3.950	.8	9.950	.5	15.950	.4	21.950	.2	27.950	.1
4.000	.8	10.000	.5	16.000	.4	22.000	.2	28.000	.1
4.050	.8	10.050	.5	16.050	.4	22.050	.2	28.050	.1
4.100	.7	10.100	.5	16.100	.4	22.100	.2	28.100	.1
4.150	.7	10.150	.5	16.150	.4	22.150	.2	28.150	.1
4.200	.7	10.200	.5	16.200	.4	22.200	.2	28.200	.1
4.250	.7	10.250	.5	16.250	.4	22.250	.2	28.250	.1
4.300	.6	10.300	.5	16.300	.4	22.300	.2	28.300	.0

4.350	.6	10.350	.5	16.350	.4	22.350	.2	28.350	.0
4.400	.6	10.400	.5	16.400	.4	22.400	.2	28.400	.0
4.450	.6	10.450	.5	16.450	.4	22.450	.2	28.450	.0
4.500	.6	10.500	.5	16.500	.4	22.500	.2	28.500	.0
4.550	.6	10.550	.5	16.550	.4	22.550	.2	28.550	.0
4.600	.6	10.600	.5	16.600	.4	22.600	.2	28.600	.0
4.650	.6	10.650	.5	16.650	.4	22.650	.2	28.650	.0
4.700	.6	10.700	.5	16.700	.4	22.700	.2	28.700	.0
4.750	.6	10.750	.5	16.750	.4	22.750	.2	28.750	.0
4.800	.6	10.800	.5	16.800	.4	22.800	.2	28.800	.0
4.850	.6	10.850	.5	16.850	.4	22.850	.2	28.850	.0
4.900	.6	10.900	.5	16.900	.4	22.900	.2	28.900	.0
4.950	.6	10.950	.5	16.950	.4	22.950	.2	28.950	.0
5.000	.6	11.000	.5	17.000	.4	23.000	.2	29.000	.0
5.050	.6	11.050	.5	17.050	.4	23.050	.2	29.050	.0
5.100	.6	11.100	.5	17.100	.4	23.100	.2	29.100	.0
5.150	.6	11.150	.5	17.150	.4	23.150	.2	29.150	.0
5.200	.6	11.200	.5	17.200	.4	23.200	.2	29.200	.0
5.250	.6	11.250	.5	17.250	.4	23.250	.2	29.250	.0
5.300	.6	11.300	.5	17.300	.4	23.300	.2	29.300	.0
5.350	.6	11.350	.5	17.350	.4	23.350	.2	29.350	.0
5.400	.6	11.400	.5	17.400	.4	23.400	.2	29.400	.0
5.450	.6	11.450	.5	17.450	.4	23.450	.2	29.450	.0
5.500	.6	11.500	.5	17.500	.4	23.500	.2	29.500	.0
5.550	.6	11.550	.5	17.550	.4	23.550	.2	29.550	.0
5.600	.6	11.600	.5	17.600	.4	23.600	.2	29.600	.0
5.650	.6	11.650	.5	17.650	.4	23.650	.2	29.650	.0
5.700	.6	11.700	.5	17.700	.3	23.700	.2	29.700	.0
5.750	.6	11.750	.5	17.750	.3	23.750	.2	29.750	.0
5.800	.6	11.800	.5	17.800	.3	23.800	.2	29.800	.0
5.850	.6	11.850	.5	17.850	.3	23.850	.2	29.850	.0
5.900	.6	11.900	.5	17.900	.3	23.900	.2	29.900	.0
5.950	.6	11.950	.5	17.950	.3	23.950	.2	29.950	.0

RUNOFF VOLUME = 2.12728 INCHES = 1.7200 ACRE-FEET
 PEAK DISCHARGE RATE = 12.55 CFS AT 1.850 HOURS BASIN AREA = .0152 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 15:50:51

HGL CALCULATIONS

PipeSize	Q	Inv ElevDn	HGLDn	DepthDn	AreaDn	VelocDn	Vel HdDn	EGLDn	SfDn	LineLength	Inv ElevUp	HGLUp	DepthUp	AreaUp	VelocUp	Vel HdUp	EGLUp	SfUp	SfAve	EnergyLoss	JLCCoeff	MinorLoss	Line ID
(in)	(cfs)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(%)	(ft)	(K)	(ft)	
30	17.09	5106	5111.04	2.5	4.91	3.48	0.19	5111.23	0.148	66.98	5108.11	5111.14	2.5	4.91	3.48	0.19	5111.33	0.148	0.148	0.099	0.56	0.11	30 TO POND
30	17.09	5108.11	5111.25	2.5	4.91	3.48	0.19	5111.43	0.231	600	5109.4	5112.63	2.5	4.91	3.48	0.19	5112.82	0.231	0.231	1.387	1	0.19	30 FROM INLET
18	10.7	5108.5	5111.04	1.5	1.77	6.06	0.57	5111.61	0.885	11.33	5108.56	5111.14	1.5	1.77	6.05	0.57	5111.71	0.885	0.885	0.1	0.44	0.25	18 TO POND
18	10.7	5108.56	5111.39	1.5	1.77	6.06	0.57	5111.96	0.885	213.85	5109.62	5113.28	1.5	1.77	6.05	0.57	5113.85	0.885	0.885	1.892	1	0.57	18 FROM INLET

EXISTING CONDITIONS

THIS SITE FALLS UNDER THE APPROVED MASTER DRAINAGE PLANS FOR "OXBOW TOWN CENTER" (OCT 2, 2007) IN THE OXBOW DMP AND "COORS PAVILION" (FEB 22,2017), THESE PRESCRIBE A DISCHARGE 10.90 CFS (100YR-24HR) ALLOWED BY EASEMENT TO FLOW TO THE DETENTION POND ON LOT 9 OF COORS PAVILION CONSTRUCTED UNDER COA PROJ. #622382. RUNOFF GENERATED WITHIN THE ST. JOSEPHS AND ATRISCO RIGHT-OF-WAYS DISCHARGE TO AN EXIST SUMP IN ST. JOSEPHS. ANALYSIS OF THESE FLOWS AND A PORTION OF THE SITE (BASINS 3 AND 4) WERE INCLUDED IN THE REPORT "LADERA DRIVE IMPROVEMENTS - GAVIN ROAD TO COORS BLVD." (AUG. 10, 2015), AND THE IMPROVEMENTS INDICATED IN THE REPORT WERE INCLUDED UNDER COA PROJ. #658892.

THE MAJORITY OF THE EXISTING 10 ACRE SITE (~60%) IS DEVELOPED AS PART OF THE EXISTING CHURCH. THE REMAINING PORTION OF THE SITE IS UNDEVELOPED AND PREDOMINATELY SILTY SANDS, MODERATELY VEGETATED WITH VARIOUS GRASSES AND SHRUBS. THE MAJORITY OF THE DEVELOPED PORTION OF THE SITE DRAINS INTO A SINGLE SUMP INLET LOCATED ON THE EASTERN PROPERTY LINE NEAR THE ST. JOSEPH'S ENTRANCE. THIS EXISTING STORM DRAIN CONVEYS FLOWS TO THE EXISTING TEMPORARY RETENTION POND AT THE NE CORNER OF THE SITE (POND B). A SMALL PORTION (12%) OF THE SITE DEDICATED TO PARKING NORTH OF THE EXISTING CHURCH DRAINS EAST INTO A SWALE CONVEYING FLOWS INTO THE EXISTING POND B. ANOTHER SMALL PORTION (10%) OF THE SITE SHEET FLOWS INTO A SMALL RETENTION POND ADJACENT TO ST. JOSEPHS DRIVE (POND A).

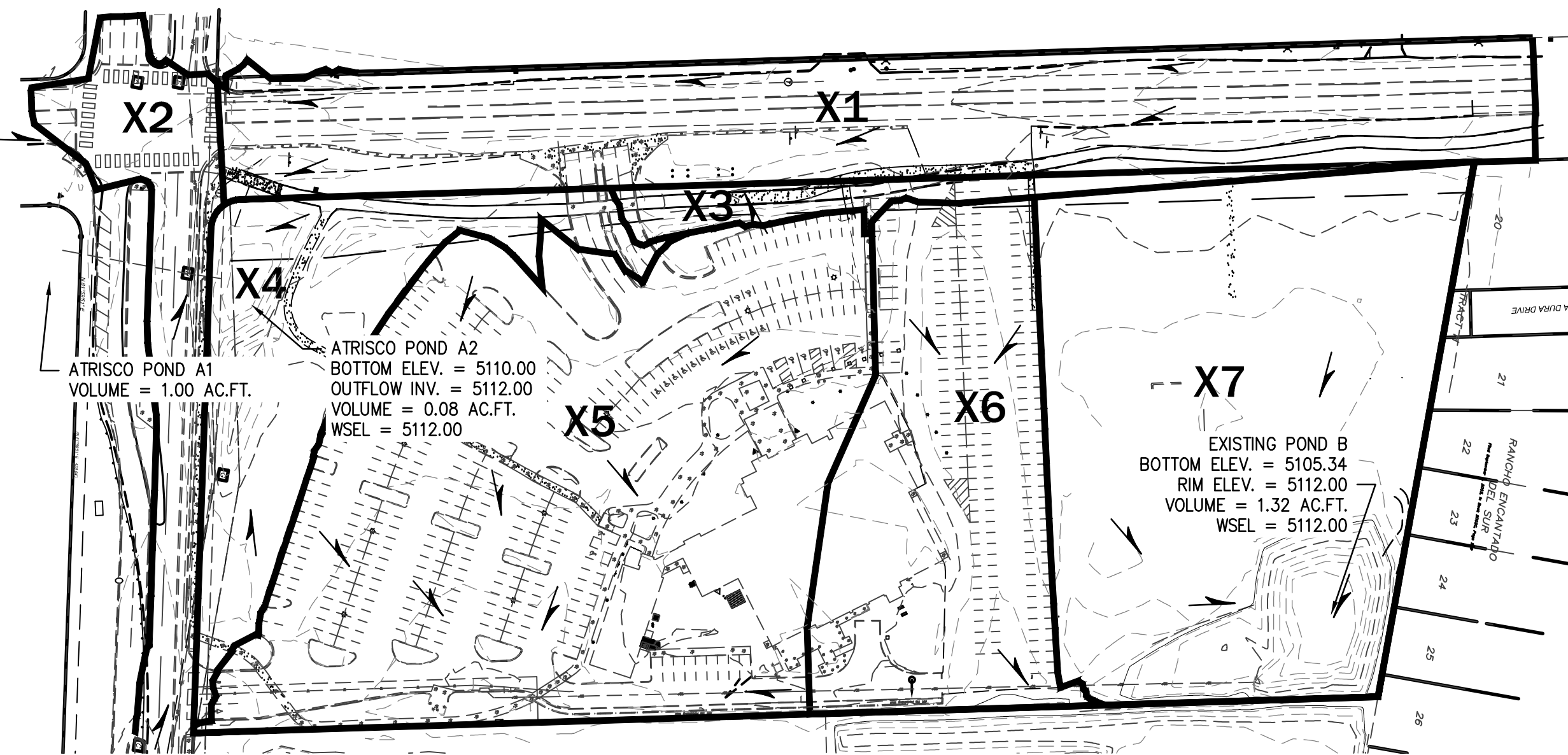
HYDROLOGIC DATA - EXISTING

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁴ (acft)
		A	B	C	D			
X1*	1.49	0	0	10	90	4.22	6.29	0.28
X2*	2.91	0	0	14	86	4.15	12.04	0.53
X3*	0.49	0	0	72	28	3.29	1.61	0.05
X4*	1.47	0	0	90	20	3.17	4.65	0.14
POND A**	6.36						24.59	1.00

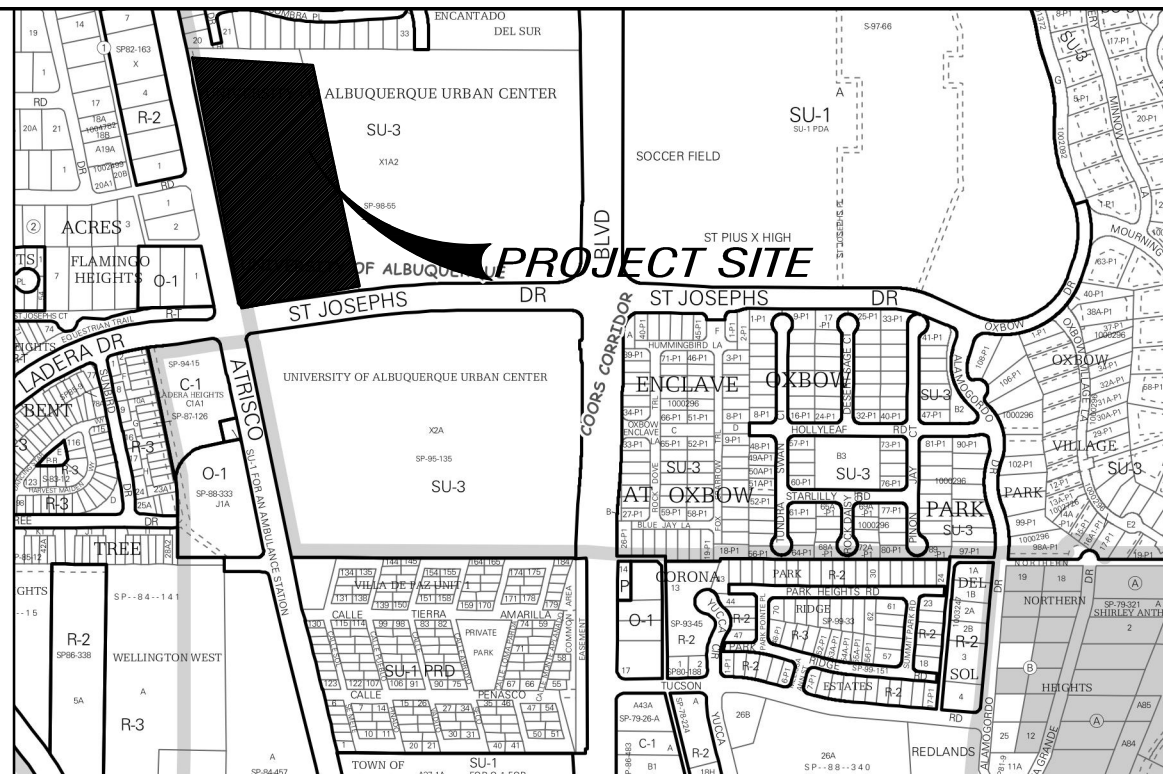
* PER LADERA DRIVE REPORT
** PARTIAL FLOW TO POND IS FROM THE BASINS INDICATED. ADDITIONAL BASINS ARE INCLUDED IN THE DESIGN FLOW TO THE POND. THE TOTAL FLOW INTERCEPTED BY THE ATRISCO PONDS PER THE LADERA DRIVE REPORT IS Q¹⁰⁰=27.91 CFS V¹⁰⁰=1.15 AC.FT.

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁴ (acft)
		A	B	C	D			
X5	3.94	0	0	10	90	3.82	11.12	0.54
X6	1.65	0	0	90	10	2.39	3.93	0.14
X7	3.10	0	0	100	0	2.49	7.70	0.26
POND B	8.68						22.75	0.94

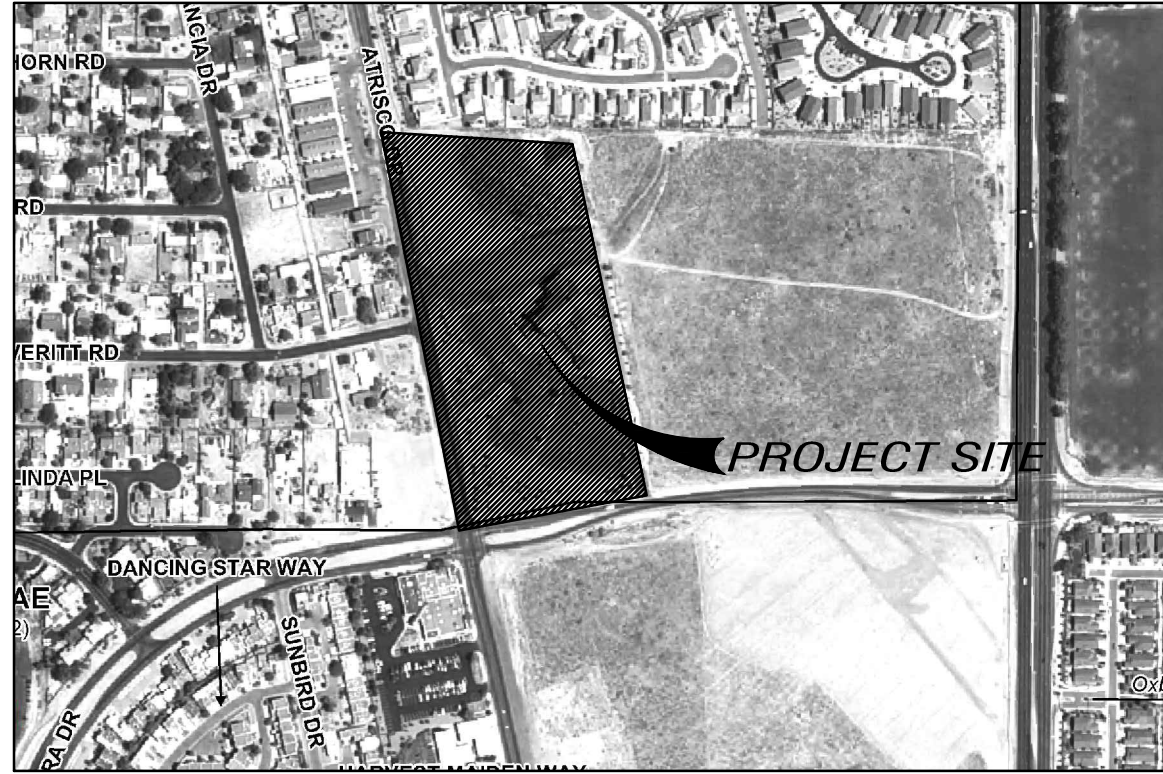
PRECIPITATION ZONE 1 WAS USED IN THE HYDROLOGIC ANALYSIS



EXISTING BASIN MAP

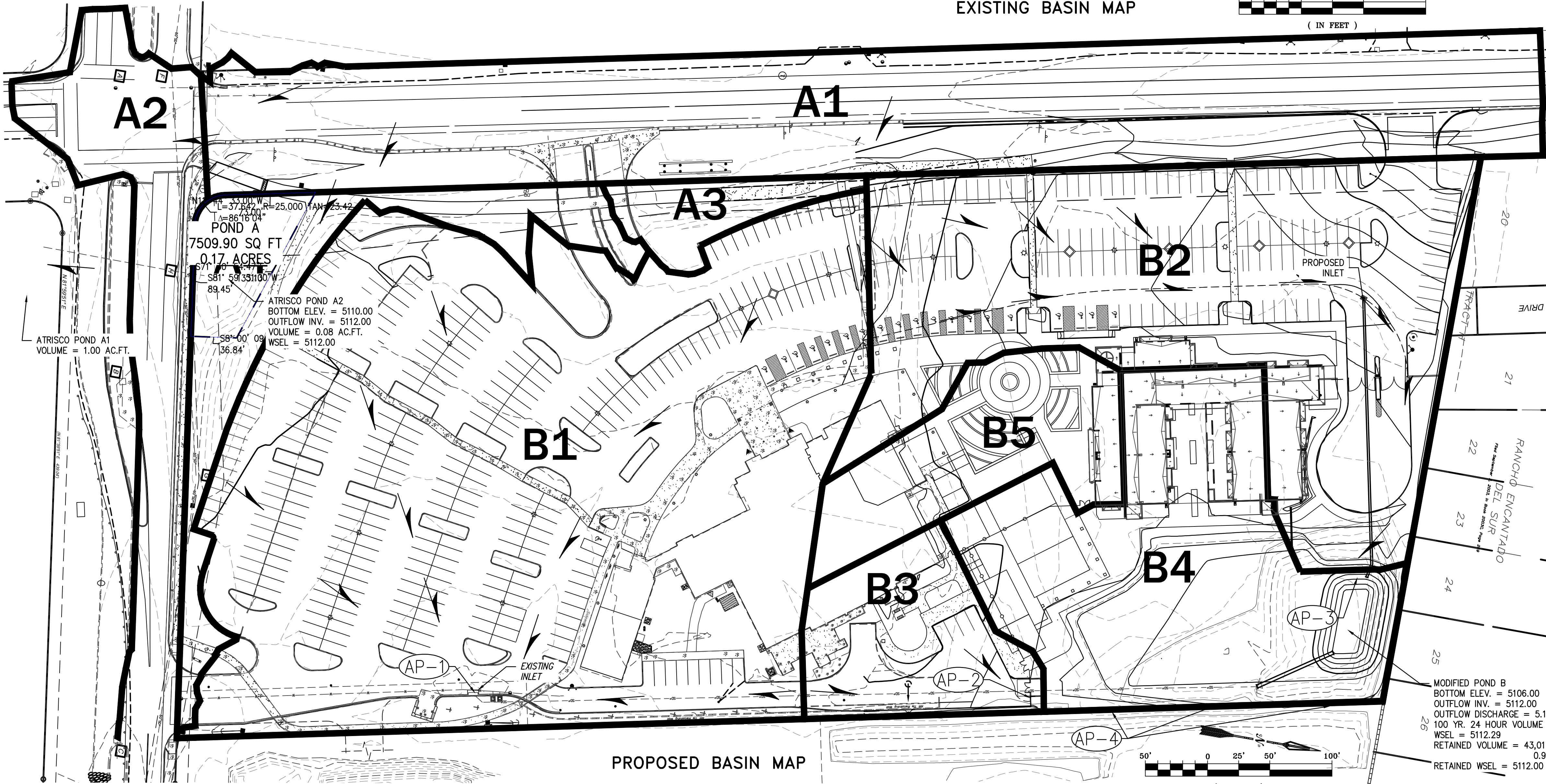


VICINITY MAP G-11-Z



FIRM MAP 35001C0114H

LEGAL DESCRIPTION TRACT X-1-A1
UNIVERSITY OF ALBUQUERQUE
URBAN CENTER
PROJECTED SECTION 2, T10N, R2E



PROPOSED BASIN MAP

- LEGEND
- FLOW ARROW
 - A1 BASIN LINE AND DESIGNATION
 - AP-1 HYDRAULIC ANALYSIS POINT
 - RIP RAP
 - STORM DRAIN INLET
 - EXISTING CONTOURS
 - PROPOSED CONTOURS

GND, LLC
CONSULTING ENGINEERS

11032 Dreamy Way Dr. NW
Albuquerque, NM 87114
Phone: (505) 264-0472

PROPOSED CONDITIONS

THE PROPOSED SITE IMPROVEMENTS WILL INCLUDE THE CONSTRUCTION OF ADDITIONAL BUILDINGS AND PARKING. THE CONDITIONS DEPICTED OF THE BUILDING CONSTRUCTION WILL BE PHASED. HOWEVER, THE DRAINAGE ANALYSIS ANTICIPATES FULL CONSTRUCTION

RUNOFF FROM THE PROPOSED EXPANSION WILL BE CONVEYED TO THE PROPOSED POND, CONVERTED FROM THE EXISTING RETENTION POND, VIA SHEET FLOW, SWALES, AND STORM DRAIN. RUNOFF FROM THE PROPOSED BUILDINGS WILL DISCHARGE TO THE EAST AND ULTIMATELY INTO THE POND. THE FUTURE BUILDING SITE WILL DISCHARGE TO THE EAST AND INTO THE POND. THE POND FILLS TO AN ELEVATION OF 5112.00 THEN OVERFLOWS TO THE POND ON THE ADJACENT LOT.

THE DISCHARGE FROM THE SITE IS WITHIN THE FLOW ALLOWABLE 10.90 CFS PER THE DRAINAGE PLAN FOR COORS PAVILION AND WILL HAVE NO ADVERSE IMPACT TO DRAINAGE CONDITIONS.

HYDROLOGIC DATA - DEVELOPED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁴ (acft)
		A	B	C	D			
A1*	1.49	0	0	10	90	4.22	6.29	0.28
A2*	2.91	0	0	14	86	4.15	12.04	0.53
A3	0.18	0	0	95	5	2.63	0.47	0.02
A4	1.13	0	0	95	5	2.57	2.91	0.10
POND A1	5.71						21.71	0.93

* PER LADERA DRIVE REPORT
** PARTIAL FLOW TO POND IS FROM THE BASINS INDICATED. ADDITIONAL BASINS ARE INCLUDED IN THE DESIGN FLOW TO POND A1.

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁴ (acft)
		A	B	C	D			
B1	4.68	0	0	15	85	3.74	17.09	0.86
B2	2.55	0	0	15	85	3.74	9.30	0.47
B3	0.49	0	0	5	95	3.92	1.87	0.10
B4	1.42	0	0	40	60	3.09	4.31	0.19
B5	0.56	0	0	0	100	3.98	2.15	0.11
POND B	9.70						34.71	1.73

PRECIPITATION ZONE 1 WAS USED IN THE HYDROLOGIC ANALYSIS

HYDRAULIC SUMMARY

AP	DESCRIPTION	Q ¹⁰⁰ (cfs)
AP-1	INLET	17.09
AP-2	CURB OPENING	1.87
AP-3	POND IN	11.45
AP-4	POND OUT	5.14

REQUIRED FIRST FLUSH VOLUME

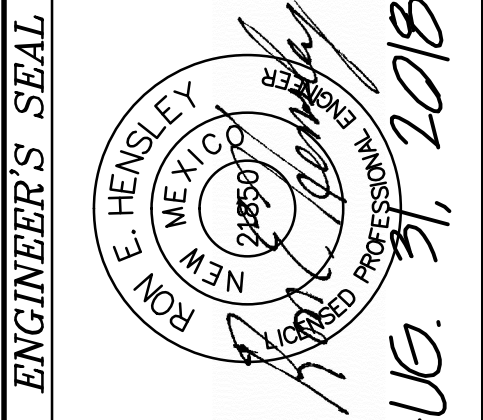
OWNER SHALL BE RESPONSIBLE FOR MAINTAINING FIRST FLUSH RUNOFF RETENTION INDICATED. THE TOTAL VOLUME SHALL BE EQUAL TO:
IMPERVIOUS AREA * (0.44-0.10)/12 IN CUBIC FEET.

REQUIRED VOLUME = 350,7107 * (0.44-0.10)/12 = 9,937 CU.FT.
VOLUME PROVIDED = 9,937 CU.FT.
FLUSH WSEL = 5110.01

AS BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR'S	DATE
PERFORMANCE BY	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

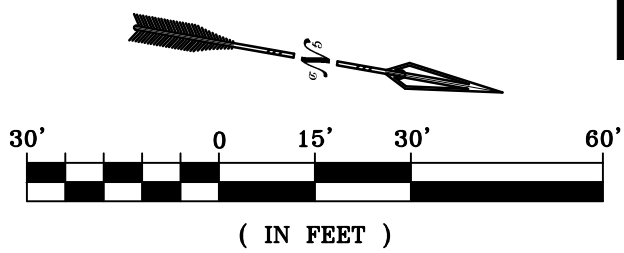
BENCH MARKS	
NO.	DATE

SURVEY INFORMATION	
FIELD NOTES	BY
NO.	DATE



NO.	DATE	REMARKS REVISIONS	BY	DESIGNED BY	DATE
				REH	DEC. 2017
				DRAWN BY	DATE
				REH	DEC. 2017
				CHECKED BY	DATE
				REH	DEC. 2017

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
ST. JOSEPH'S ON THE RIO GRANDE NAZARETH CENTER			
SITE GRADING & DRAINAGE			
BASIN AND DRAINAGE PLAN			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
LAST DESIGN UPDATE			
CITY PROJECT No.		ZONE MAP No.	SHEET OF
G-11-Z			1 1



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 FOR LIABILITY THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR 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 ALL CITY, STATE, AND FEDERAL REGULATIONS PERTAINING TO THE LOCATION OF THESE UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY 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.

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF GND ENGINEERING, LLC IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

1. ALL WORK IN CITY RIGHT OF WAY WILL REUIRE CITY WORK ORDER SUBMITTAL.

2. 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.
3. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED BY THE OWNER. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.

4. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
5. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEED OR LANDSCAPED

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

7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.

2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

I.D.#	DESCRIPTION
1	NEW ASPHALT PAVING EDGE. CONTRACTOR TO SAW CUT EXISTING WITH EDGE TREATMENT FOR SMOOTH TRANSITION
2	INSTALL SPILL TYPE CURB AND GUTTER
3	REMOVE ASPHALT AND SIDEWALK CULVERT. INSTALL CONCRETE SWALE

12.11 TOP OF CURB ELEVATION
11.61 BOTTOM OF CURB ELEVATION

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DRB No.	CITY PROJECT No.	ZONE MAP NO. G-11-Z	SHEET 1	OF 2
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A *Bicycle Path, Open Space Trail Link And Landscape Easement granted by plat filed March 12, 1998, in Plat Book 98C, Page 68.*

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

3. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.

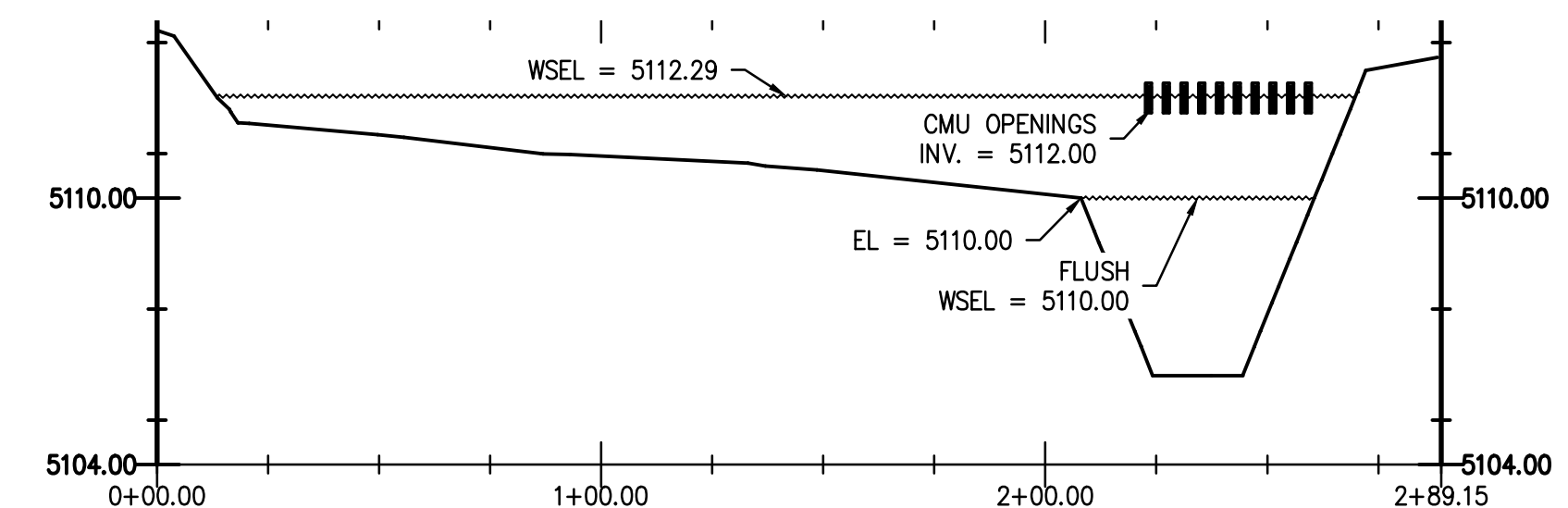
4. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.

5. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEED OR LANDSCAPED

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

7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

I.D.#	DESCRIPTION
①	NEW ASPHALT PAVING EDGE. CONTRACTOR TO SAW CUT EXISTING WITH EDGE TREATMENT FOR SMOOTH TRANSITION
②	ASPHALT REMOVAL AND UNSUITABLE FILL MATERIALS SHALL BE WASTED ON SITE IN NONSTRUCTURAL AREAS
③	INSTALL STANDARD CURB AND GUTTER PER DETAIL
④	INSTALL SPILL TYPE CURB AND GUTTER
⑤	INSTALL MOUNTABLE CURB AND GUTTER
⑥	INSTALL 10" – TURNED BLOCK WALL OPENINGS @ 48" O.C. OPENING INVERT ELEVATION = 5112.00
⑦	INSTALL VALLEY CURE AND CURB RETURNS PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS
⑧	INSTALL STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS
⑨	INSTALL TYPE D INLET PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS
⑩	11" CURB OPENING – INLET OVERFLOW SPILLWAY



1 POND B SECTION
Scale: 1:40

OWNER SHALL BE RESPONSIBLE FOR MAINTAINING FIRST FLUSH RUNOFF
RETENTION INDICATED. THE TOTAL VOLUME SHALL BE EQUAL TO:
IMPERVIOUS AREA * (0.44-0.10)/12 IN CUBIC FEET.

REQUIRED VOLUME = $350,710 * (0.44-0.10)/12 = 9,937$ CU.FT.
WSEL OF REQUIRED VOLUME ≈ 5110
RETENTION VOLUME PROVIDED = 43,891 CU.FT.

Legend:

- TOP OF CURB ELEVATION
- BOTTOM OF CURB ELEVATION
- PROPOSED ELEVATION
- EXISTING ELEVATION
- GRADE BREAK
- EXISTING CONTOUR
- EXISTING CONTOUR
- PROPOSED EASEMENT
- PROPOSED GRADE
- EXISTING WALL
- PROPOSED WALL

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CONSULTING ENGINEERS

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ST. JOSEPH'S ON THE RIO GRANDE NAZARETH CENTER

SITE GRADING & DRAINAGE GRADING PLAN

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

DATE	Mo./DAY/YR.	Mo./DAY/YR.
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DESIGN		

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CITY PROJECT N

	ZONE MAP
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CITY PROJECT No.

ZONE MAP
C-11

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